

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Avenue  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 1  
Administration Building  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53424  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Administration Building, Building 1, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



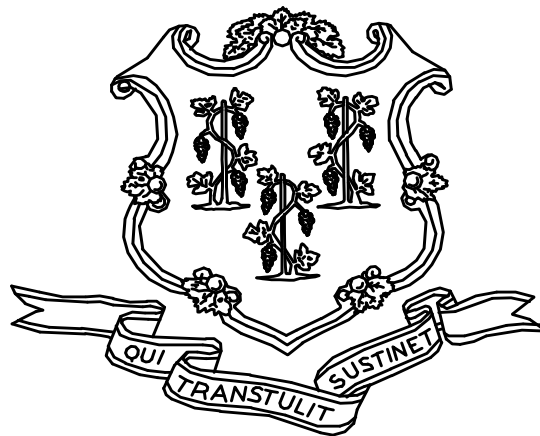
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For ATC Group Services LLC  
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Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**ADMINISTRATION BUILDING  
BUILDING 1  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53424  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Administration Building, Building 1 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 10, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: floor tile and associated mastic, plaster ceiling, plaster wall, carpet adhesive, cove base and associated adhesive, textured ceiling coating, ceiling tiles gypsum board and joint compound.

### 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### 3.0 ASBESTOS-CONTAINING MATERIALS

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Plaster Ceiling Skim Coat
- Plaster Ceiling Base Coat
- 9"x9" White Floor Tile and Associated Black Mastic
- 9"x9" Dark Brown Floor Tile and Associated Black Mastic
- Black Border Tile for 9"x9" Dark Brown Floor Tile and Associated Black Mastic

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall Skim Coat
- Plaster Wall Base Coat
- Gypsum Board and Associated Joint Compound
- 2' x 4' Suspended Ceiling Tile (Type I)
- 2' x 2' Suspended Ceiling Tile (Type II)
- 2' x 2' Textured Suspended Ceiling Tile (Type III)
- 4" Dark Brown Cove Base and Associated Adhesive
- 4" Gray Cove Base and Associated Adhesive

- 6" Brown Cove Base and Associated Adhesive
- 6" Black Cove Base and Associated Adhesive
- Carpet Adhesive
- Gray Floor Levelastic
- 12"x12" Beige With Green Floor Tile and Associated Mastic
- 12"x12" Beige Mottled Floor Tile and Associated Mastic

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope. Also, access was not granted into rooms B01, B02, B14, and 110A.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 1 – ADMINISTRATION BUILDING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021417-B01-1A	Hall BH1	Carpet Adhesive for Carpet Square	ND	
021417-B01-1B	Hall BH1	Carpet Adhesive for Carpet Square	ND	
021417-B01-2A	Room B10	Carpet Adhesive for Blue Mottled Carpet	ND	
021417-B01-2B	Room B05	Carpet Adhesive for Blue Mottled Carpet	ND	
<b>021417-B01-3A</b>	<b>Room B10</b>	<b>9"x9" Dark Brown Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
<b>021417-B01-3B</b>	<b>Room B05</b>	<b>9"x9" Dark Brown Floor Tile</b>	<b>7</b>	<b>Chrysotile</b>
021417-B01-4A	Room B10	Black Mastic for 9"x9" Dark Brown Floor Tile	ND	
021417-B01-4B	Room B05	Black Mastic for 9"x9" Dark Brown Floor Tile	ND	
021417-B01-5A	Room B10	4" Dark Brown Cove Base	ND	
021417-B01-5B	Room 2F3	4" Dark Brown Cove Base	ND	
021417-B01-6A	Room B10	Yellow Adhesive for 4" Dark Brown Cove Base	ND	
021417-B01-6B	Room 2F3	Yellow Adhesive for 4" Dark Brown Cove Base	ND	
021417-B01-7A	Room B10	Gypsum Wall Board	ND	
021417-B01-7B	Room 106	Gypsum Wall Board	ND	
021417-B01-8A	Room B10	Joint Compound	ND	
021417-B01-8B	Room 106	Joint Compound	ND	
021417-B01-9A	Room B10	2'x4' Suspended Ceiling Tile (Type I)	ND	



**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 1 – ADMINISTRATION BUILDING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021417-B01-9B	Room B09	2'x4' Suspended Ceiling Tile (Type I)	ND	
021417-B01-10A	Room B09	Plaster Wall - Skim Coat	ND	
021417-B01-10B	Central Stair Basement	Plaster Wall - Skim Coat	ND	
021417-B01-10C	Room B05	Plaster Wall - Skim Coat	ND	
021417-B01-10D	Room 204	Plaster Wall - Skim Coat	ND	
021417-B01-10E	Room 2F1	Plaster Wall - Skim Coat	ND	
021417-B01-10F	1st Floor Stair	Plaster Wall - Skim Coat	ND	
021417-B01-10G	Hall 1 H1	Plaster Wall - Skim Coat	ND	
021417-B01-11A	Room B09	Plaster Wall - Base Coat	ND	
021417-B01-11B	Central Stair Basement	Plaster Wall - Base Coat	ND	
021417-B01-11C	Room B05	Plaster Wall - Base Coat	ND	
021417-B01-11D	Room 204	Plaster Wall - Base Coat	ND	
021417-B01-11E	Room 2F1	Plaster Wall - Base Coat	ND	
021417-B01-11F	1st Floor Stair	Plaster Wall - Base Coat	ND	
021417-B01-11G	Hall 1 H1	Plaster Wall - Base Coat	ND	
<b>021417-B01-12A</b>	<b>Room 204A</b>	<b>Plaster Ceiling - Skim Coat (White)</b>	<b>6</b>	<b>Chrysotile</b>
<b>021417-B01-12B</b>	<b>Room 2F2</b>	<b>Plaster Ceiling - Skim Coat (White)</b>	<b>7</b>	<b>Chrysotile</b>
<b>021417-B01-12C</b>	<b>Room 109</b>	<b>Plaster Ceiling - Skim Coat (White)</b>	<b>6</b>	<b>Chrysotile</b>
<b>021417-B01-12D</b>	<b>Hall 1H1</b>	<b>Plaster Ceiling - Skim Coat (White)</b>	<b>8</b>	<b>Chrysotile</b>
<b>021417-B01-12E</b>	<b>Basement Stair</b>	<b>Plaster Ceiling - Skim Coat (White)</b>	<b>6</b>	<b>Chrysotile</b>

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 1 – ADMINISTRATION BUILDING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021417-B01-12F	Hall BH1 - West	Plaster Ceiling - Skim Coat (White)	7	Chrysotile
021417-B01-12G	Hall BH1 - South	Plaster Ceiling - Skim Coat (White)	8	Chrysotile
021417-B01-13A	Room 204A	Plaster Ceiling - Base Coat (Brown)	ND	
021417-B01-13B	Room 2F2	Plaster Ceiling - Base Coat (Brown)	2	Chrysotile
021417-B01-13C	Room 109	Plaster Ceiling - Base Coat (Brown)	Not Analyzed	
021417-B01-13D	Hall 1H1	Plaster Ceiling - Base Coat (Brown)	ND	
021417-B01-13E	Basement Stair	Plaster Ceiling - Base Coat (Brown)	Not Analyzed	
021417-B01-13F	Hall BH1 - West	Plaster Ceiling - Base Coat (Brown)	<1	Chrysotile
021417-B01-13G	Hall BH1 - South	Plaster Ceiling - Base Coat (Brown)	ND	
021417-B01-14A	Room B12	Black Flooring Material	7	Chrysotile
021417-B01-14B	Room B05	Black Flooring Material	8	Chrysotile
021417-B01-15A	Room B12	Black Mastic For Black Flooring Material	8	Chrysotile
021417-B01-15B	Room B05	Black Mastic For Black Flooring Material	3	Chrysotile
021417-B01-16A	Room B17	Gray Levelastic	ND	
021417-B01-16B	Room B17	Gray Levelastic	ND	
021417-B01-17A	Room B12	6" Brown Cove Base	ND	
021417-B01-17B	Room B09	6" Brown Cove Base	ND	
021417-B01-18A	Room B12	Adhesive for 6" Brown Cove Base	ND	
021417-B01-18B	Room B09	Adhesive for 6" Brown Cove Base	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 1 – ADMINISTRATION BUILDING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021417-B01-19A	Room B08	2'x2' Suspended Ceiling Tile (Type II)	ND	
021417-B01-19B	Room B08	2'x2' Suspended Ceiling Tile (Type II)	ND	
021417-B01-20A	Room B09	12"x12" Beige With Green Mottled Floor Tile	ND	
021417-B01-20B	Room B09	12"x12" Beige With Green Mottled Floor Tile	ND	
021417-B01-21A	Room B09	Adhesive For 12"x12" Beige With Green Mottled Floor Tile	ND	
021417-B01-21B	Room B09	Adhesive For 12"x12" Beige With Green Mottled Floor Tile	ND	
021417-B01-22A	Room B015	4" Gray Cove Base	ND	
021417-B01-22B	Ground Floor Elevator Lobby	4" Gray Cove Base	ND	
021417-B01-23A	Room B05	Adhesive for 4" Gray Cove Base	ND	
021417-B01-23B	Ground Floor Elevator Lobby	Adhesive for 4" Gray Cove Base	ND	
<b>021417-B01-24A</b>	<b>Room B04</b>	<b>9"x9" White Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
<b>021417-B01-24B</b>	<b>Room B03</b>	<b>9"x9" White Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>021417-B01-25A</b>	<b>Room B04</b>	<b>Black Mastic for 9"x9" White Floor Tile</b>	<b>7</b>	<b>Chrysotile</b>
<b>021417-B01-25B</b>	<b>Room B03</b>	<b>Black Mastic for 9"x9" White Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
021417-B01-26A	Room 204	Yellow Carpet Adhesive for Brown Carpet	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 1 – ADMINISTRATION BUILDING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021417-B01-26B	Room 2F2	Yellow Carpet Adhesive for Brown Carpet	ND	
021417-B01-27A	1st Floor Stair	Carpet Adhesive for Purple Mottled Carpet	ND	
021417-B01-27B	Room 109	Carpet Adhesive for Purple Mottled Carpet	ND	
021417-B01-28A	1st Floor Stair	6" Black Cove Base	ND	
021417-B01-28B	Hall 1H1	6" Black Cove Base	ND	
021417-B01-29A	1st Floor Stair	Adhesive for 6" Black Cove Base	ND	
021417-B01-29B	Hall 1H1	Adhesive for 6" Black Cove Base	ND	
021417-B01-30A	Room 103	2'x2' Textured Suspended Ceiling Tile (Type III)	ND	
021417-B01-30B	Room 103	2'x2' Textured Suspended Ceiling Tile (Type III)	ND	
021417-B01-31A	Ground Floor Elevator Lobby	12"x12" Beige Mottled Floor Tile	ND	
021417-B01-31B	Ground Floor Elevator Lobby	12"x12" Beige Mottled Floor Tile	ND	
021417-B01-32A	Ground Floor Elevator Lobby	Black Mastic for 12"x12" Beige Mottled Floor Tile	ND	
021417-B01-32B	Ground Floor Elevator Lobby	Black Mastic for 12"x12" Beige Mottled Floor Tile	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031703975
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 02/15/2017 10:33 AM <b>Analysis Date:</b> 02/16/2017 <b>Collected Date:</b> 02/14/2017
<b>Project:</b> 2257316087/ CTDCS/ BLDG 1/ VETERANS HOME, ROCKY HILL CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021417-B01-1A 031703975-0001	HALL BH1 - CARPET ADHESIVE FOR CARPET SQUARE	Yellow Non-Fibrous Homogeneous	2% Cellulose 4% Synthetic	94% Non-fibrous (Other)	None Detected
021417-B01-1B 031703975-0002	HALL BH1 - CARPET ADHESIVE FOR CARPET SQUARE	Tan Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
021417-B01-2A 031703975-0003	ROOM B10 - CARPET ADHESIVE FOR BLUE MOTTLED CARPET	Brown/Yellow Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
021417-B01-2B 031703975-0004	ROOM B05 - CARPET ADHESIVE FOR BLUE MOTTLED CARPET	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
021417-B01-3A 031703975-0005	ROOM B10 - 9"X9" DARK BROWN FLOOR TILE	Brown Non-Fibrous Homogeneous		5% Quartz 10% Ca Carbonate 81% Non-fibrous (Other)	4% Chrysotile
021417-B01-3B 031703975-0006	ROOM B05 - 9"X9" DARK BROWN FLOOR TILE	Brown Non-Fibrous Homogeneous		12% Ca Carbonate 81% Non-fibrous (Other)	7% Chrysotile
021417-B01-4A 031703975-0007	ROOM B10 - BLACK MASTIC FOR 9"X9" DARK BROWN FLOOR TILE	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
021417-B01-4B 031703975-0008	ROOM B05 - BLACK MASTIC FOR 9"X9" DARK BROWN FLOOR TILE	Tan Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
021417-B01-5A 031703975-0009	ROOM B10 - 4" DARK BROWN COVEBASE	Brown/Blue Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected

Inseparable paint / coating layer included in analysis

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/17/2017 05:35:55



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031703975
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/15/2017 10:33 AM  
**Analysis Date:** 02/16/2017  
**Collected Date:** 02/14/2017

**Project:** 2257316087/ CTDCS/ BLDG 1/ VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021417-B01-5B 031703975-0010	ROOM ZF3 - 4" DARK BROWN COVEBASE	Brown Non-Fibrous Homogeneous		12% Ca Carbonate 88% Non-fibrous (Other)	None Detected
021417-B01-6A 031703975-0011	ROOM B10 - YELLOW ADHESIVE FOR 4" DARK BROWN COVE BASE	Tan Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
021417-B01-6B 031703975-0012	ROOM ZF3 - YELLOW ADHESIVE FOR 4" DARK BROWN COVE BASE	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
021417-B01-7A 031703975-0013	ROOM B10 - GYPSUM WALL BOARD	Gray Non-Fibrous Homogeneous	5% Cellulose 2% Glass	60% Gypsum 33% Non-fibrous (Other)	None Detected
021417-B01-7B 031703975-0014	ROOM 106 - GYPSUM WALL BOARD	Gray Non-Fibrous Homogeneous	6% Cellulose	70% Gypsum 24% Non-fibrous (Other)	None Detected
021417-B01-8A 031703975-0015	ROOM B10 - JOINT COMPOUND	White Non-Fibrous Homogeneous		55% Ca Carbonate 4% Mica 41% Non-fibrous (Other)	None Detected
021417-B01-8B 031703975-0016	ROOM 106 - JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
021417-B01-9A 031703975-0017	ROOM B10 - 2'X4' SUSPENDED CEILING TILE (TYPE 1)	Brown/White Fibrous Homogeneous	45% Cellulose 19% MinWool	15% Perlite 21% Non-fibrous (Other)	None Detected
021417-B01-9B 031703975-0018	ROOM B09 - 2'X4' SUSPENDED CEILING TILE (TYPE 1)	Brown Fibrous Homogeneous	65% Cellulose	10% Perlite 25% Non-fibrous (Other)	None Detected

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**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826

**Received Date:** 02/15/2017 10:33 AM  
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**Project:** 2257316087/ CTDCS/ BLDG 1/ VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021417-B01-10A 031703975-0019	ROOM B09 - PLASTER WALL - SKIM COAT	White/Blue Non-Fibrous Heterogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021417-B01-10B 031703975-0020	CENTRAL STAIR BASEMENT - PLASTER WALL - SKIM COAT	Tan/White Non-Fibrous Heterogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021417-B01-10C 031703975-0021	ROOM B05 - PLASTER WALL - SKIM COAT	White/Blue Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021417-B01-10D 031703975-0022	ROOM 204 - PLASTER WALL - SKIM COAT	Tan/White Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021417-B01-10E 031703975-0023	ROOM 2F1 - PLASTER WALL - SKIM COAT	Tan/White Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021417-B01-10F 031703975-0024	1ST FLOOR STAIR - PLASTER WALL - SKIM COAT	White Non-Fibrous Heterogeneous		65% Ca Carbonate 35% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021417-B01-10G 031703975-0025	HALL 1 H1 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (Other)	None Detected
021417-B01-11A 031703975-0026	ROOM B09 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous	2% Cellulose	48% Quartz 50% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021417-B01-11B 031703975-0027	CENTRAL STAIR BASEMENT - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous	5% Cellulose 3% Hair	47% Quartz 45% Non-fibrous (Other)	None Detected
021417-B01-11C 031703975-0028	ROOM B05 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous	2% Cellulose	45% Quartz 53% Non-fibrous (Other)	None Detected
021417-B01-11D 031703975-0029	ROOM 204 - PLASTER WALL - BASE COAT	Tan Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
021417-B01-11E 031703975-0030	ROOM 2F1 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous	4% Cellulose	45% Quartz 51% Non-fibrous (Other)	None Detected
021417-B01-11F 031703975-0031	1ST FLOOR STAIR - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 2% Mica 53% Non-fibrous (Other)	None Detected
021417-B01-11G 031703975-0032	HALL 1 H1 - PLASTER WALL - BASE COAT	Brown/Gray Non-Fibrous Homogeneous		60% Quartz 40% Non-fibrous (Other)	None Detected
021417-B01-12A 031703975-0033	ROOM 204A - PLASTER CEILING - SKIM COAT (WHITE)	Tan/White Non-Fibrous Homogeneous	10% Cellulose	40% Ca Carbonate 20% Perlite 24% Non-fibrous (Other)	6% Chrysotile
021417-B01-12B 031703975-0034	ROOM 2F2 - PLASTER CEILING - SKIM COAT (WHITE)	Tan/White Fibrous Homogeneous	10% Cellulose	40% Ca Carbonate 15% Perlite 28% Non-fibrous (Other)	7% Chrysotile
021417-B01-12C 031703975-0035	ROOM 109 - PLASTER CEILING - SKIM COAT (WHITE)	Tan/White Non-Fibrous Heterogeneous	15% Cellulose	35% Ca Carbonate 20% Perlite 24% Non-fibrous (Other)	6% Chrysotile

Inseparable paint / coating layer included in analysis

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021417-B01-12D 031703975-0036	HALL 1H1 - PLASTER CEILING - SKIM COAT (WHITE)	Tan/White Fibrous Heterogeneous	10% Cellulose	40% Ca Carbonate 15% Perlite 27% Non-fibrous (Other)	8% Chrysotile
Inseparable paint / coating layer included in analysis					
021417-B01-12E 031703975-0037	BASEMENT STAIR - PLASTER CEILING - SKIM COAT (WHITE)	Tan/White Fibrous Heterogeneous	10% Cellulose	20% Ca Carbonate 25% Perlite 39% Non-fibrous (Other)	6% Chrysotile
Inseparable paint / coating layer included in analysis					
021417-B01-12F 031703975-0038	HALL BH1 - WEST - PLASTER CEILING - SKIM COAT (WHITE)	Tan/White Fibrous Heterogeneous	12% Cellulose	25% Ca Carbonate 25% Perlite 31% Non-fibrous (Other)	7% Chrysotile
Inseparable paint / coating layer included in analysis					
021417-B01-12G 031703975-0039	HALL BH1 - SOUTH - PLASTER CEILING - SKIM COAT (WHITE)	Tan Non-Fibrous Homogeneous		35% Quartz 20% Ca Carbonate 10% Perlite 27% Non-fibrous (Other)	8% Chrysotile
021417-B01-13A 031703975-0040	ROOM 204A - PLASTER CEILING - BASE COAT (BROWN)	Brown Non-Fibrous Homogeneous	2% Cellulose	55% Quartz 43% Non-fibrous (Other)	None Detected
021417-B01-13B 031703975-0041	ROOM 2F2 - PLASTER CEILING - BASE COAT (BROWN)	Gray Non-Fibrous Homogeneous		40% Quartz 10% Ca Carbonate 48% Non-fibrous (Other)	2% Chrysotile
Inseparable surface contamination					
021417-B01-13C 031703975-0042	ROOM 109 - PLASTER CEILING - BASE COAT (BROWN)				Insufficient Material
021417-B01-13D 031703975-0043	HALL 1H1 - PLASTER CEILING - BASE COAT (BROWN)	Brown Non-Fibrous Homogeneous	3% Cellulose	45% Quartz 52% Non-fibrous (Other)	None Detected
021417-B01-13E 031703975-0044	BASEMENT STAIR - PLASTER CEILING - BASE COAT (BROWN)				Insufficient Material

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021417-B01-13F 031703975-0045	HALL BH1 - WEST - PLASTER CEILING - BASE COAT (BROWN)	Brown Non-Fibrous Homogeneous	3% Cellulose	50% Quartz 47% Non-fibrous (Other)	<1% Chrysotile
Possible inseparable surface contamination.					
021417-B01-13G 031703975-0046	HALL BH1 - SOUTH - PLASTER CEILING - BASE COAT (BROWN)	Brown Non-Fibrous Homogeneous		60% Quartz 25% Ca Carbonate 15% Non-fibrous (Other)	None Detected
021417-B01-14A 031703975-0047	ROOM B12 - BLACK FLOORIN MATERIAL	Black Non-Fibrous Homogeneous		10% Quartz 83% Non-fibrous (Other)	7% Chrysotile
021417-B01-14B 031703975-0048	ROOM B05 - BLACK FLOORIN MATERIAL	Black Non-Fibrous Homogeneous	15% Cellulose	77% Non-fibrous (Other)	8% Chrysotile
021417-B01-15A 031703975-0049	ROOM B12 - BLACK MASTIC FOR BLACK FLOORING MATERIAL	Black Non-Fibrous Homogeneous	3% Cellulose	89% Non-fibrous (Other)	8% Chrysotile
021417-B01-15B 031703975-0050	ROOM B05 - BLACK MASTIC FOR BLACK FLOORING MATERIAL	Yellow Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
021417-B01-16A 031703975-0051	ROOM B17 - GRAY LEVELASTIC	Brown/Gray Non-Fibrous Heterogeneous	5% Cellulose	25% Ca Carbonate 70% Non-fibrous (Other)	None Detected
021417-B01-16B 031703975-0052	ROOM B17 - GRAY LEVELASTIC	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
021417-B01-17A 031703975-0053	ROOM B12 - 6" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
021417-B01-17B 031703975-0054	ROOM B09 - 6" BROWN COVE BASE	Brown Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021417-B01-18A 031703975-0055	ROOM B12 - ADHESIVE FOR 6" BROWN COVE BASE	Yellow Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
021417-B01-18B 031703975-0056	ROOM B09 - ADHESIVE FOR 6" BROWN COVE BASE	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
021417-B01-19A 031703975-0057	ROOM B08 - 2'X2' SUSPENDED CEILING TILE (TYPE 2)	Tan/White Fibrous Homogeneous	50% Cellulose 12% MinWool	20% Perlite 18% Non-fibrous (Other)	None Detected
021417-B01-19B 031703975-0058	ROOM B08 - 2'X2' SUSPENDED CEILING TILE (TYPE 2)	Tan Fibrous Homogeneous	25% Cellulose	25% Perlite 50% Non-fibrous (Other)	None Detected
021417-B01-20A 031703975-0059	ROOM B09 - 12"X12" BEIGE WITH GREEN MOTTLED FLOOR TILE	Gray/White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
021417-B01-20B 031703975-0060	ROOM B09 - 12"X12" BEIGE WITH GREEN MOTTLED FLOOR TILE	Gray Non-Fibrous Homogeneous		12% Ca Carbonate 88% Non-fibrous (Other)	None Detected
021417-B01-21A 031703975-0061	ROOM B09 - ADHESIVE FOR 12"X12" BEIGE WITH GREEN MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (Other)	None Detected
021417-B01-21B 031703975-0062	ROOM B09 - ADHESIVE FOR 12"X12" BEIGE WITH GREEN MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
021417-B01-22A 031703975-0063	ROOM B015 - 4" GRAY COVE BASE	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021417-B01-22B 031703975-0064	GROUND FLOOR ELEVATOR LOBBY - 4" GRAY COVE BASE	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
021417-B01-23A 031703975-0065	ROOM B05 - ADHESIVE FOR 4" GRAY COVE BASE	Tan Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
021417-B01-23B 031703975-0066	GROUND FLOOR ELEVATOR LOBBY - ADHESIVE FOR 4" GRAY COVE BASE	Gray/Tan Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
021417-B01-24A 031703975-0067	ROOM B04 - 9"X9" WHITE FLOOR TILE	Tan/White Non-Fibrous Homogeneous		15% Ca Carbonate 80% Non-fibrous (Other)	5% Chrysotile
021417-B01-24B 031703975-0068	ROOM B03 - 9"X9" WHITE FLOOR TILE	Tan Non-Fibrous Homogeneous		12% Ca Carbonate 86% Non-fibrous (Other)	2% Chrysotile
021417-B01-25A 031703975-0069	ROOM B04 - BLACK MASTIC FOR 9"X9" WHITE FLOOR TILE	Black Non-Fibrous Homogeneous	5% Cellulose	88% Non-fibrous (Other)	7% Chrysotile
021417-B01-25B 031703975-0070	ROOM B03 - BLACK MASTIC FOR 9"X9" WHITE FLOOR TILE	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
021417-B01-26A 031703975-0071	ROOM 204 - YELLOW CARPET ADHESIVE FOR BROWN CARPET	Tan/Yellow Non-Fibrous Homogeneous	7% Cellulose 5% Synthetic	88% Non-fibrous (Other)	None Detected
021417-B01-26B 031703975-0072	ROOM 2F2 - YELLOW CARPET ADHESIVE FOR BROWN CARPET	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
021417-B01-27A 031703975-0073	1ST FLOOR STAIR - CARPET ADHESIVE FOR PURPLE MOTTLED CARPET	Tan/Yellow Non-Fibrous Homogeneous	3% Cellulose 3% Synthetic	5% Quartz 89% Non-fibrous (Other)	None Detected

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# EMSL Analytical, Inc.

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Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031703975
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/15/2017 10:33 AM  
**Analysis Date:** 02/16/2017  
**Collected Date:** 02/14/2017

**Project:** 2257316087/ CTDCS/ BLDG 1/ VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021417-B01-27B 031703975-0074	ROOM 109 - CARPET ADHESIVE FOR PURPLE MOTTLED CARPET	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
021417-B01-28A 031703975-0075	1ST FLOOR STAIR - 6" BLACK COVE BASE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
021417-B01-28B 031703975-0076	HALL 1H1 - 6" BLACK COVE BASE	Gray Non-Fibrous Homogeneous		12% Ca Carbonate 88% Non-fibrous (Other)	None Detected
021417-B01-29A 031703975-0077	1ST FLOOR STAIR - ADHESIVE FOR 6" BLACK COVE BASE	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
021417-B01-29B 031703975-0078	HALL 1H1 - ADHESIVE FOR 6" BLACK COVE BASE	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
021417-B01-30A 031703975-0079	ROOM 103 - 2'X2' TEXTURED SUSPENDED CEILING TILE	White Fibrous Homogeneous	2% Cellulose 75% MinWool	23% Non-fibrous (Other)	None Detected
021417-B01-30B 031703975-0080	ROOM 103 - 2'X2' TEXTURED SUSPENDED CEILING TILE	White Non-Fibrous Homogeneous		68% Ca Carbonate 32% Non-fibrous (Other)	None Detected
021417-B01-31A 031703975-0081	GROUND FLOOR ELEVATOR LOBBY - 12"X12" BEIGE MOTTLED FLOOR TILE	Tan/White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
021417-B01-31B 031703975-0082	GROUND FLOOR ELEVATOR LOBBY - 12"X12" BEIGE MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/17/2017 05:35:55



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<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 02/15/2017 10:33 AM <b>Analysis Date:</b> 02/16/2017 <b>Collected Date:</b> 02/14/2017
<b>Project:</b> 2257316087/ CTDCS/ BLDG 1/ VETERANS HOME, ROCKY HILL CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021417-B01-32A 031703975-0083	GROUND FLOOR ELEVATOR LOBBY - BLACK MASTIC FOR 12"X12" BEIGE MOTTLED FLOOR TILE	White/Black Non-Fibrous Heterogeneous	3% Cellulose 3% MinWool	10% Ca Carbonate 84% Non-fibrous (Other)	None Detected
021417-B01-32B 031703975-0084	GROUND FLOOR ELEVATOR LOBBY - BLACK MASTIC FOR 12"X12" BEIGE MOTTLED FLOOR TILE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/17/2017 05:35:55



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<b>EMSL Order:</b> 031703975
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826
<b>Project:</b> 2257316087/ CTDCS/ BLDG 1/ VETERANS HOME, ROCKY HILL CT	<b>Received Date:</b> 02/15/2017 10:33 AM <b>Analysis Date:</b> 02/16/2017 <b>Collected Date:</b> 02/14/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	02/15/2017	Sample Receipt Time:	10:33 AM
Analysis Completed Date:	02/16/2017	Analysis Completed Time:	2:01 PM

### **Analyst(s):**

Daena Charles PLM (32)

Jon Williams PLM (50)

### **Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/17/2017 05:35:55



031703975



# BULK SAMPLE LOG

Page 1 of 6  
290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <u>Alisa Weist</u>		Client Name: <u>CTDCS</u>						
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>						
Survey Date: <u>2-14-17</u>		Project Manager: <u>E. Fennell</u>						
Signature: <u>Alisa Weist</u>		Requested Completion Date: <u>2/14/17</u>						
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY						
Building: <u>Bld 1</u>		Address: <u>Veterans Home, Rocky Hill CT</u>						
Location	Material Description	Type S	TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Hall B11	carpet adhesive For						1	021417-B01-1A
Hall B11	carpet SQUAT		MISC				2	1B
Room B10	carpet adhesive For						1	2A
Room B05	Blue mottled carpet						2	2B
Room B10	9"X9" dark brown Floor						1	3A
Room B05	tile						2	3B
Room B10	Black mastic For 9"X9"						1	4A
Room B05	dark brown Floor tile						2	4B
Room B10	4" Dark Brown cover base						1	5A
Room 2F3							2	5B
Room B10	Yellow adhesive For 4"						1	6A
Room 2F3	Dark Brown cover base						2	6B
Room B10	gypsum wall board						1	7A
Room 106							2	7B
Room B10	Joint compound						1	8A
Room 106							2	8B

Comments: PLM 2/16/17 2P 2/16/17 6:30pm

Notes  
 Damage Factors: Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft- 1-6ft- >6ft)  
Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)  
Deterioration (heavy-moderate-light-none)  
Accessibility (within reach-barely reachable-not reachable)  
Barriers (perm airtight-enclosed-encapsulated)  
Texture (rough-pitted-moderate-smooth)  
Facility (yes-no: hard-mod-soft surface)  
Air conduits (air plenum - air shaft - elevator shaft - duct)  
Ventilation (yes/no; if yes, type)

Relinquished By/Date: Alisa Weist  
 Relinquished By/Date: for 2/15/17 11:33AM

Received By/Date: 5  
 Received By/Date: AN 10: 33

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# BULK SAMPLE LOG

Page 2 of 6  
290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Weist Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-14-17 Project Manager: E. Fennell  
 Signature: Alisa Weist Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected \_\_\_\_\_  
 Building: Bld 1 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Room B10	2'x4' suspended ceiling tile (Type 1)	MISC				1 2	021417-Bel-9A
Room B09	Plaster wall - skim coat	S				2 7	913
central stair Basement	"					3 4	104
Room B05	"					5 6	10B
Room 204	"					7	10C
Room 2F11	"					1 2	10D
1st Floor Stair	"					3 4	WA 10E
Hall 1H1	"					5 6	10F
Room B09	Plaster wall - Base coat					7	109
central stair Basement	"					1 2	11A
Room B05	"					3 4	11B
Room 204	"					5 6	11C
Room 2F1	"					7	11D
1st Floor Stair	"					1 2	11E
Hall 1H1	"					3 4	11F
Comments: <u>see 2/16/17 @ 3:30pm</u>							

Notes: \_\_\_\_\_  
 Damage Factors: \_\_\_\_\_  
 Disturbance Factors: \_\_\_\_\_  
 Relinquished By/Date: Alisa Weist 2-14-17  
 Relinquished By/Date: \_\_\_\_\_

Water (extensive-moderate-slight none) \_\_\_\_\_  
 Accessibility (within reach-barely reachable-not reachable) \_\_\_\_\_  
 Air conduits (air plenum - air shaft - elevator shaft - duct) \_\_\_\_\_  
 Physical (sig dmg-dmg-no dmg) \_\_\_\_\_  
 Proximity (<1ft-1-6ft->6ft) \_\_\_\_\_  
 Ventilation (yes-no; if yes, type) \_\_\_\_\_

Deterioration (heavy-moderate-light-none) \_\_\_\_\_  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) \_\_\_\_\_  
 Air movement (high-moderate-low) \_\_\_\_\_

Reliability (yes-no; hard-mod-soft surface) \_\_\_\_\_  
 Barriers (perm airtight-enclosed-encapsulated) \_\_\_\_\_  
 Texture (rough-pitted-moderate-smooth) \_\_\_\_\_

Received By/Date: see 2/15/17 10:23am  
 Received By/Date: \_\_\_\_\_

Comments: PLM

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*J 2/16/17 ac*



# BULK SAMPLE LOG

Page 3 of 6  
 290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Weist Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-14-17 Project Manager: E. Fennell  
 Signature: [Signature] Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected \_\_\_\_\_  
 Building: Bld 1 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_(homogeneous material)	Field Number
Room 204A	Plaster ceiling - skim	S				1	021417-801-12A
Room 2F2	coat (white)					2	12B
Room 109	"					3	12C
Hall 1H1	"					4	12D
Basement stair	"					5	12E
Hall B H1 - west	"					6	12F
Hall B H1 - south	"					7	12G
Room 204A	Plaster ceiling - Base					1	13A
Room 2F2	coat (Brown)					2	13B
Room 109	"					3	13C
Hall 1H1	"					4	13D
Basement stair	"					5	13E
Hall B H1 - west	"					6	13F
Hall B H1 - south	"					7	13G

Comments: PLM  
 Date: 2/16/17 6:30pm  
 Relinquished By/Date: [Signature] 2-14-17  
 Relinquished By/Date: [Signature] 2-14-17  
 Received By/Date: [Signature] 2-14-17  
 Received By/Date: [Signature] 2-14-17

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type)  
 Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)  
 Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

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2/16/17  
 [Signature]

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# BULK SAMPLE LOG

Page 4 of 6  
290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno	ATC Inspector:	Alisa Wetst	Client Name:	CTDCS			
Accreditation No.:	736	Project No./Task No.:	2257316087				
Survey Date:	2-14-17	Project Manager:	E. Fennell				
Signature:	[Signature]	Requested Completion Date:					
Lab Name:	EMSL	Requested turnaround time (circle)	3 HR 6 HR 24 HR 48 HR 3 DY 5 DY	No. Samples Collected			
Building:	Bldg 10	Address:	Veterans Home, Rocky Hill CT				
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
Room B12	Black Flooring material	Misc				1	021417-B01-14A
Room B05						2	14B
Room B12	Black mastic for black flooring material					1	15A
Room B05						2	15B
Room B17	gray levelastic					1	16A
						2	16B
Room B12	6" Brown cove base					1	17A
Room B09						2	17B
Room B12	adhesive for 6" Brown cove base					1	18A
Room B09						2	18B
Room B04	2'x2' AM suspended ceiling tile (Type 3)					1	19A
						2	19B
Room B09	12" x 12" Beige with green mottled floor tile					1	20A
						2	20B
Room B09	adhesive for 12" x 12" Beige with green mottled floor tile					1	21A
						2	21B

Comments: PLM

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type) Relinquished By/Date: [Signature]

Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Relinquished By/Date: [Signature]

Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low) Received By/Date: [Signature]

Reliability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth) Received By/Date: [Signature]

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# BULK SAMPLE LOG

Page 5 of 6  
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 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Weist Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-14-17 Project Manager: E. Fennell  
 Signature: Alm Weist Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected \_\_\_\_\_  
 Building: Bldg 1 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
<del>Room B05</del>	4" gray cove base	Misc				1	021417-B01-22A
Ground Floor elevator lobby						2	22B
Room B05	Adhesive "					1	23A
Ground Floor elevator lobby						2	23B
Room B04	9" x 9" white floor tile					1	24A
Room B03						2	24B
Room B04	Black mastic					1	25A
Room B03						2	25B
Room 204	Yellow carpet adhesive for Brown carpet					1	26A
Room 2FZ	carpet adhesive for purple mottled carpet					2	26B
1st Floor stair	6" Black cove base					1	27A
Room 109						2	27B
1st Floor stair						1	28A
Hall 1H1						2	28B
1st Floor stair	adhesive "					1	29A
Hall 1H1	For					2	29B

Comments: PLAN

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight none) Deterioration (heavy-moderate-light-none)  
 Proximity (<1ft- 1-6ft- >6ft) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum- air shaft - elevator shaft- duct) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Friability (yes-no; hard-mod-soft surface)  
 Disturbance Factors: Ventilation (yes-no; if yes, type) Air movement (high-moderate-low) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)  
 Relinquished By/Date: Alm Weist 2-14-17 Received By/Date: [Signature] 2/15/17 10:22hr  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

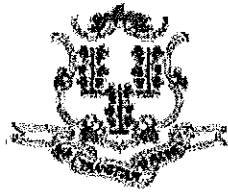
EMSL MAINTENANCE LAB RECEIVED  
 17 FEB 2017 AM 10:34  
 J. 2/16/17 [Signature]

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**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

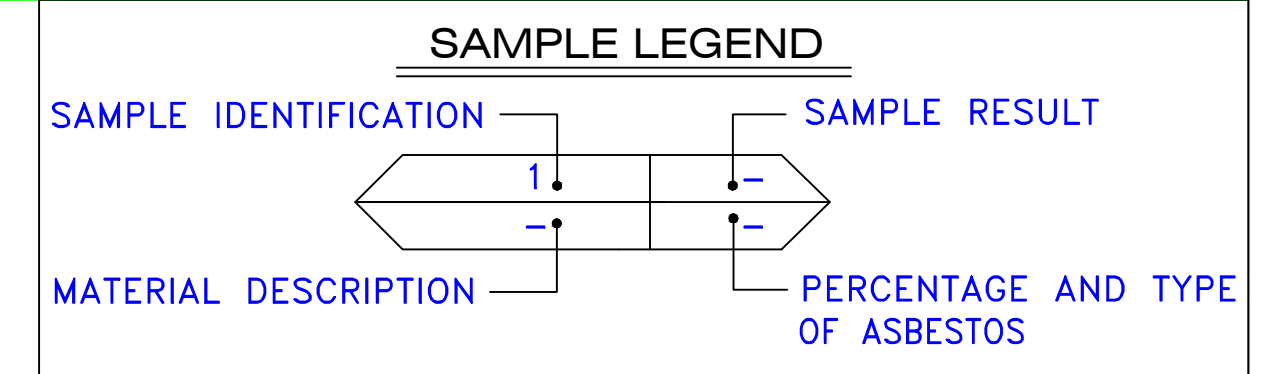
Certificate Number

October 13, 2016

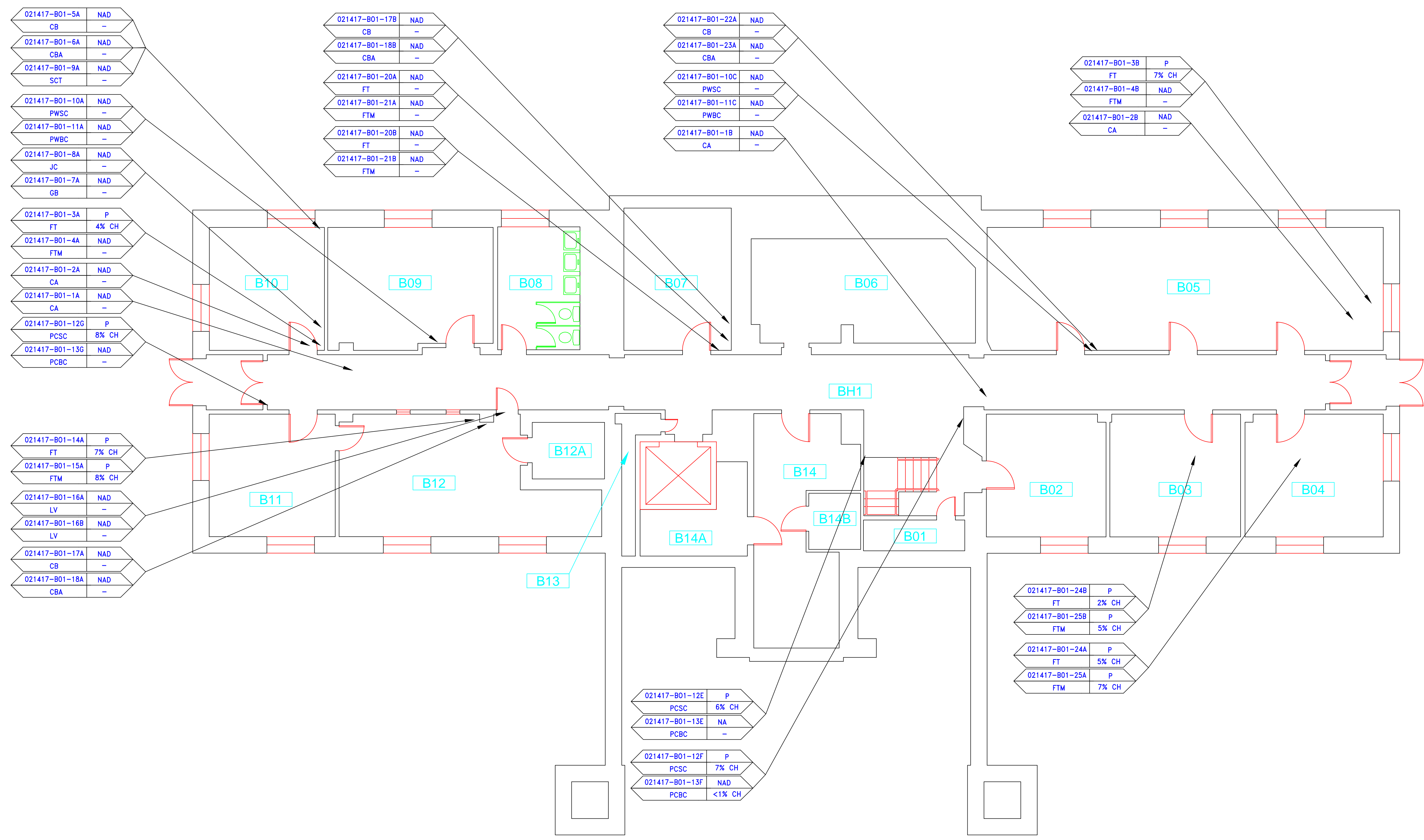
Examination Date

**APPENDIX B**  
**DRAWINGS**





AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPNUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



021417-B01-5A	NAD
CB	-
021417-B01-6A	NAD
CBA	-
021417-B01-9A	NAD
SCT	-
021417-B01-10A	NAD
PWSC	-
021417-B01-11A	NAD
PWBC	-
021417-B01-8A	NAD
JC	-
021417-B01-7A	NAD
GB	-
021417-B01-3A	P
FT	4% CH
021417-B01-4A	NAD
FTM	-
021417-B01-2A	NAD
CA	-
021417-B01-1A	NAD
CA	-
021417-B01-12G	P
PCSC	8% CH
021417-B01-13G	NAD
PCBC	-

021417-B01-17B	NAD
CB	-
021417-B01-18B	NAD
CBA	-
021417-B01-20A	NAD
FT	-
021417-B01-21A	NAD
FTM	-
021417-B01-20B	NAD
FT	-
021417-B01-21B	NAD
FTM	-

021417-B01-22A	NAD
CB	-
021417-B01-23A	NAD
CBA	-
021417-B01-10C	NAD
PWSC	-
021417-B01-11C	NAD
PWBC	-
021417-B01-1B	NAD
CA	-

021417-B01-3B	P
FT	7% CH
021417-B01-4B	NAD
FTM	-
021417-B01-2B	NAD
CA	-

021417-B01-14A	P
FT	7% CH
021417-B01-15A	P
FTM	8% CH
021417-B01-16A	NAD
LV	-
021417-B01-16B	NAD
LV	-
021417-B01-17A	NAD
CB	-
021417-B01-18A	NAD
CBA	-

021417-B01-12E	P
PCSC	6% CH
021417-B01-13E	NA
PCBC	-
021417-B01-12F	P
PCSC	7% CH
021417-B01-13F	NAD
PCBC	<1% CH

021417-B01-24B	P
FT	2% CH
021417-B01-25B	P
FTM	5% CH
021417-B01-24A	P
FT	5% CH
021417-B01-25A	P
FTM	7% CH

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION ADMINISTRATION BUILDING 1 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW
approved by		EF	drawing no. ASB-BA
CAD no.	project no.	2257316087	

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CTG	= CERAMIC FLOOR TILE GROUT
CTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EFJ	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

021417-801-12C	P
PCSC	6% CH
021417-801-13C	NA
PCBC	-
021417-801-27B	NAD
CA	-

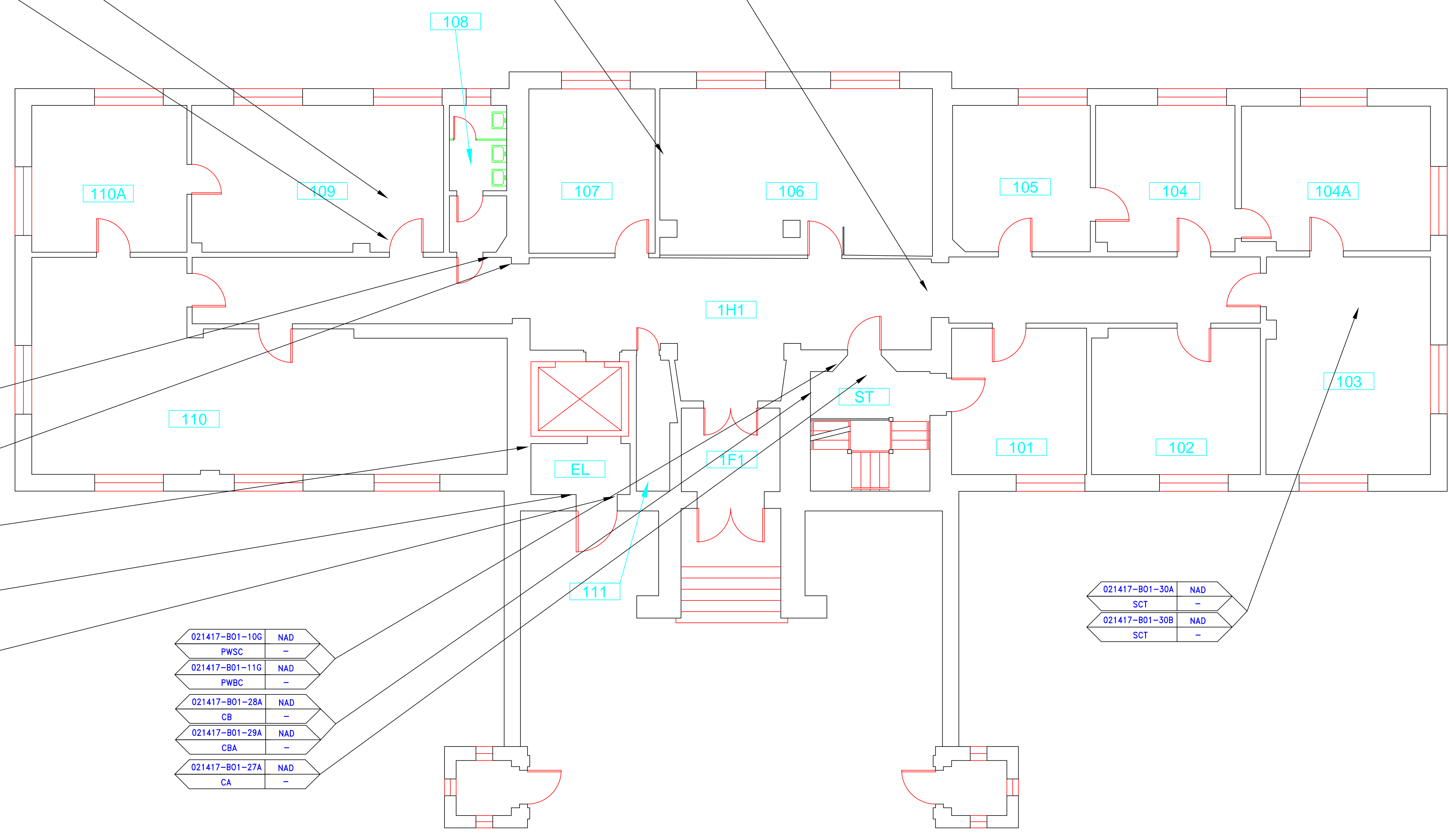
021417-801-7B	NAD
GB	-
021417-801-8B	NAD
JC	-

021417-801-12C	P
PCSC	6% CH
021417-801-13C	NA
PCBC	-

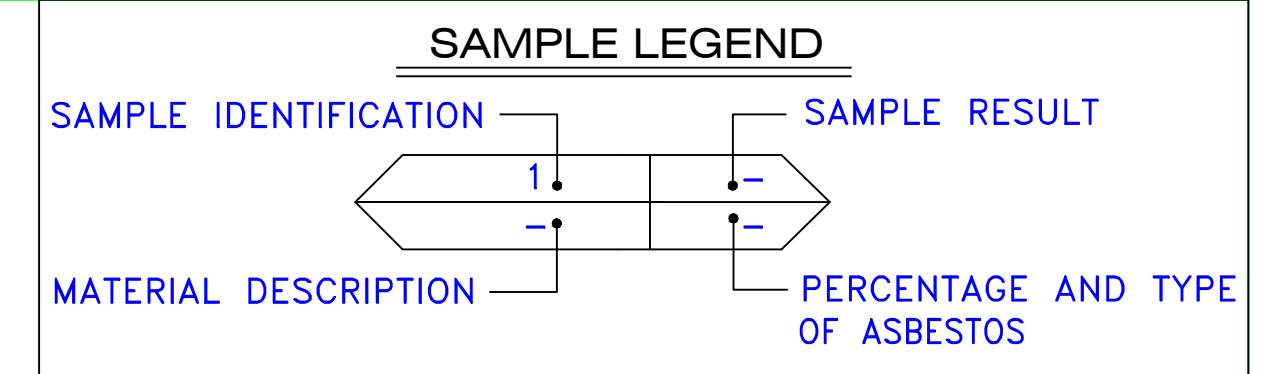
021417-801-10F	NAD
PWSC	-
021417-801-11F	NAD
PWBC	-
021417-801-28B	NAD
CB	-
021417-801-29B	NAD
CBA	-
021417-801-22B	NAD
CB	-
021417-801-23B	NAD
CBA	-
021417-801-31A	NAD
FT	-
021417-801-32A	NAD
FTM	-
021417-801-31B	NAD
FT	-
021417-801-32B	NAD
FTM	-

021417-801-10G	NAD
PWSC	-
021417-801-11G	NAD
PWBC	-
021417-801-28A	NAD
CB	-
021417-801-29A	NAD
CBA	-
021417-801-27A	NAD
CA	-

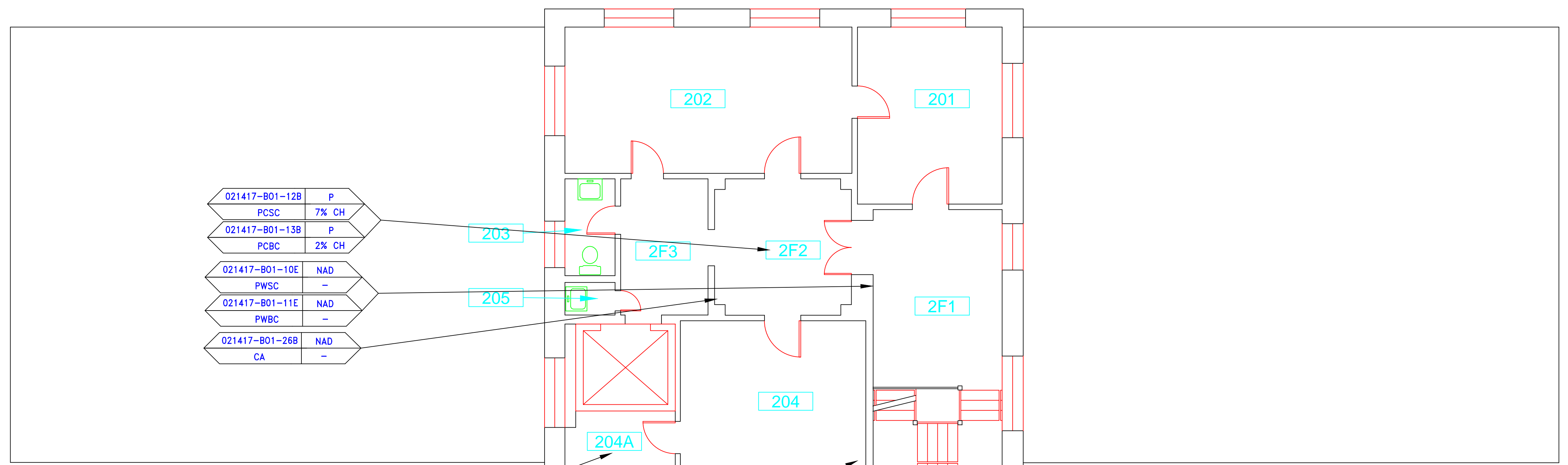
021417-801-30A	NAD
SCT	-
021417-801-30B	NAD
SCT	-



drawing title	SAMPLE LOCATION FIRST FLOOR PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES
mark	date	description	date
REVISIONS			3/17/17
			3/18" = 1'
project: BUILDING INSPECTION ADMINISTRATION BUILDING 1 STATE VETERANS HOME ROCKY HILL, CONNECTICUT			drawn by: AMW
approved by: EF			drawing no.: ASB-1A
CAD no.	project no. 2257316087		



AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CTFG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSON BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



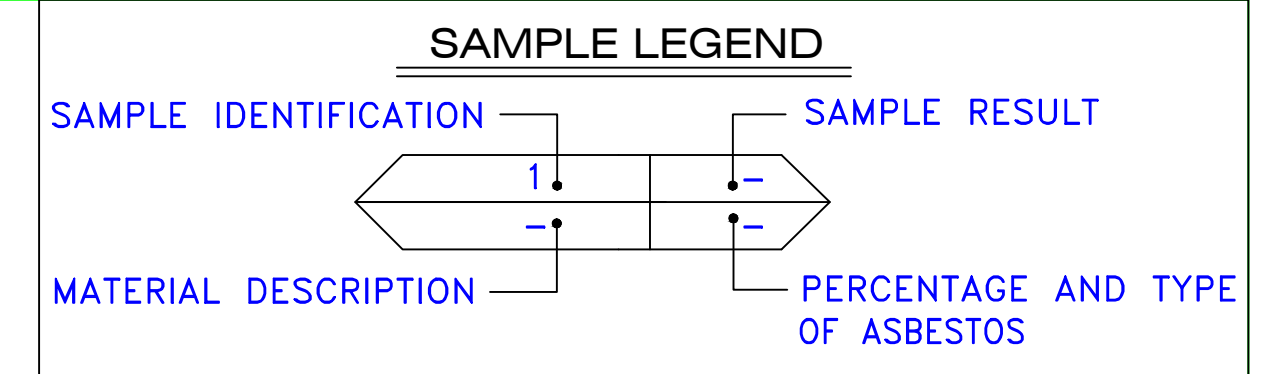
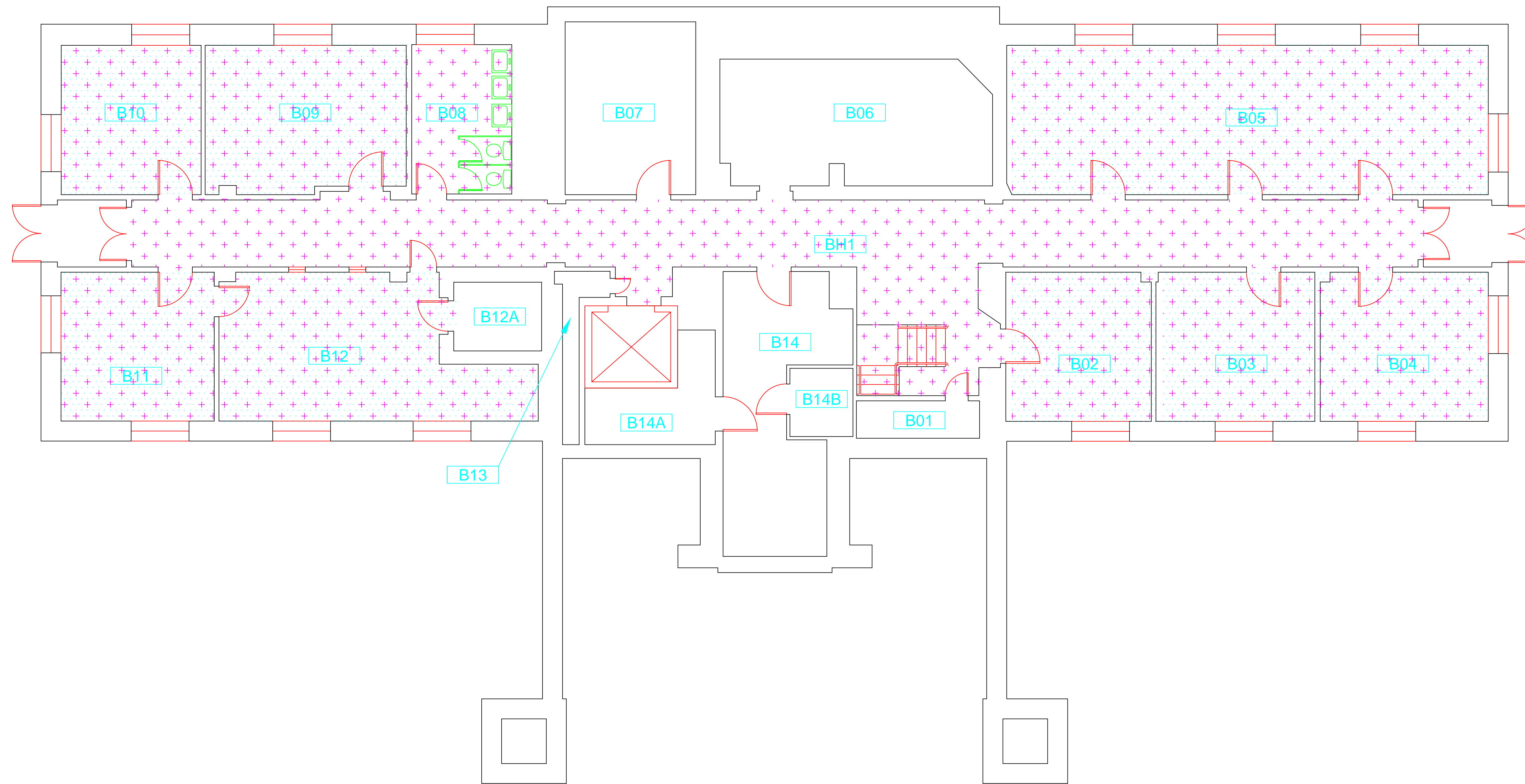
021417-B01-12B	P
PCSC	7% CH
021417-B01-13B	P
PCBC	2% CH
021417-B01-10E	NAD
PWSC	-
021417-B01-11E	NAD
PWBC	-
021417-B01-26B	NAD
CA	-

021417-B01-12A	P
PCSC	6% CH
021417-B01-13A	NAD
PCBC	-
021417-B01-10D	NAD
PWSC	-
021417-B01-11D	NAD
PWBC	-
021417-B01-26A	NAD
CA	-

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION SECOND FLOOR PLAN		ATC	
REVISIONS		200 Roberts Street - Suite 301 East Windsor, CT 06026 Phone: 860-255-3200	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION ADMINISTRATION BUILDING 1 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW approved by EF
CAD no.	project no.	2257316087	drawing no. ASB-2A



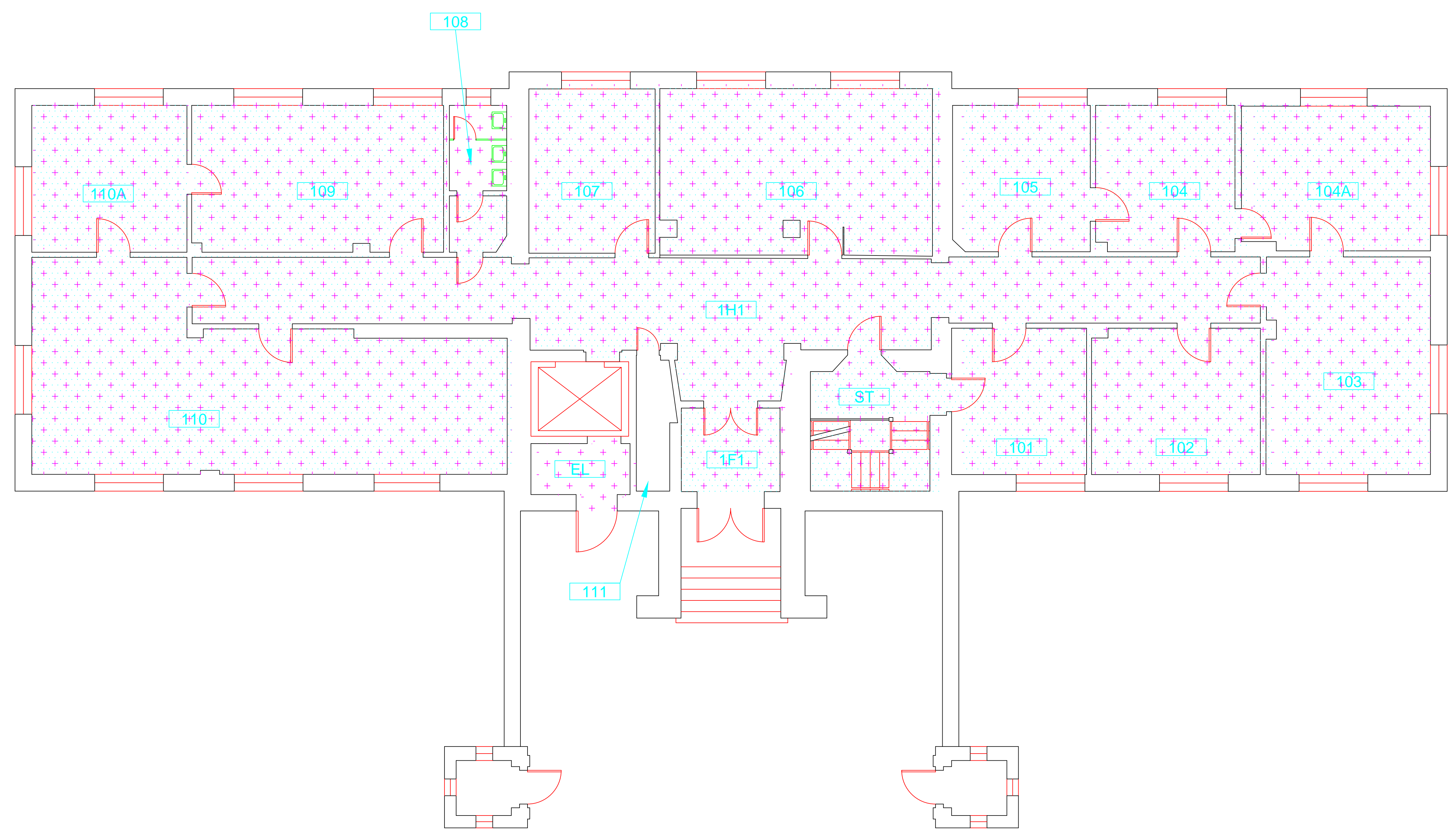
- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CTFG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE FITTING INSULATION
- PIA = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
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SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS


drawing title <b>ACM LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
project		 <small>200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Tel: 860-261-1234</small>	SCALE: 3/16" = 1'
project		BUILDING INSPECTION ADMINISTRATION BUILDING 1 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW approved by EF
CAD no.	project no.	2257316087	drawing no. ASB-BB



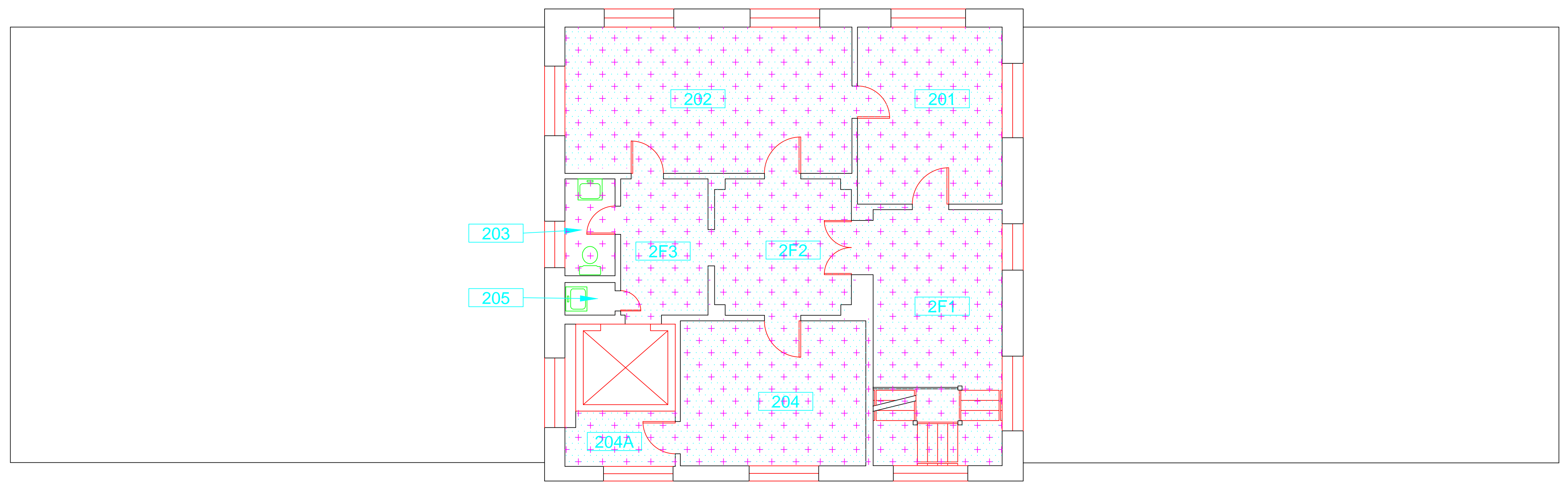
SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
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DC	= DOOR CAULKING
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DIW	= DUCT INSULATION WRAP
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ECS	= END CAP SEALANT
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EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>ACM LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
project		 ENVIRONMENTAL - GEOTECHNICAL ENGINEERING - MATERIALS TESTING BUILDING INSPECTION ADMINISTRATION BUILDING 1 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-237-0000 Fax: 860-237-0001 www.atc-engineers.com
drawing no.		project no.	scale
ASB-1B		2257316087	3/16" = 1'
drawing no.		project no.	drawn by
ASB-1B		2257316087	AMW
drawing no.		project no.	approved by
ASB-1B		2257316087	EF

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CTFG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE



SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>ACM LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 East Windsor, CT 06026 Environmental - Technical Building Inspection Building 1 State Veterans Home Rocky Hill, Connecticut	
mark	date	description	date
			3/17/17
			3/18"= 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-2B
CAD no.	project no.		
	2257316087		





ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SCIENCES • MATERIALS TESTING

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
Telephone 860-282-9924  
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www.atcgroupservices.com

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Avenue  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 2  
Commissary  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53440  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Commissary, Building 2, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**

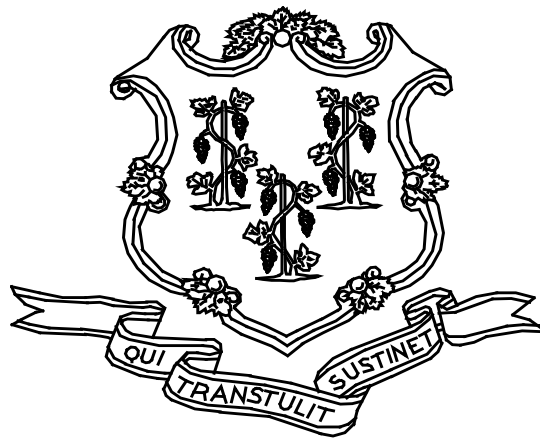
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**COMMISSARY  
BUILDING 2  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53440  
PROJECT C16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Commissary, Building 2 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 14, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: floor tile and associated mastic, carpet adhesive, sheet flooring, ceramic wall tile setting compound and grout, red concrete poured floor, pipe insulation and pipe fitting insulation, cove base and associated adhesive, plaster walls and plaster ceilings, gypsum board and joint compound.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).

(b) *Thermal system insulation.*

- (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
- (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.
- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
- (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.

(c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 12"x12" Dark Brown Floor Tile and Associated Black Mastic
- 12"x12" Beige/Green Mottled Floor
- Black Mastic for 12"x12" Brown Streak Floor Tile
- Dark Brown Flooring
- Red Cement Poured Floor
- Plaster Ceiling Skim Coat
- Plaster Wall Skim Coat (Mess Hall Exterior Walls)
- Plaster Wall Base Coat (Mess Hall Exterior Walls)

- Air Cell Pipe Insulation
- Pipe Elbow Insulation

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall Skim Coat
- Plaster Wall Base Coat
- Plaster Ceiling Skim Coat (3rd Floor only)
- Plaster Ceiling Base Coat (3rd Floor only)
- Gypsum Wall Board
- Joint Compound
- 2'x4' Suspended Ceiling Tile (Type I Pinhole Fissured)
- 2'x4' Suspended Ceiling Tile (Type II Pinhole)
- 4" Beige Ceramic Wall Tile Grout and Setting Compound
- 6" Black Cove Base and Associated Adhesive
- 6" Black Asphalt Cove Base
- 4" Black Cove Base and Associated Adhesive
- 12"x12" Gray Mottled Floor Tile and Associated Adhesive
- 12"x12" Brown Streak Floor Tile
- Black Mastic for 12"x12" Beige/Green Mottled Floor Tile
- Yellow Carpet Adhesive
- Yellow/Green Carpet Square Adhesive
- Faux Stick on Wood Floor and Associated Adhesive
- Rubber Matt Under Faux Wood Floor
- Lighter Faux Wood Stick on Tile
- Faux Wood Sheet Floor and Associated Adhesive
- Black Border Sheet Floor and Associated Adhesive

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The

State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

## **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**



**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 2 – COMMISSARY**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
<b>020717-B02-1A</b>	<b>Basement Hall East</b>	<b>12"x12" Dark Brown Floor Tile</b>	<b>7</b>	<b>Chrysotile</b>
<b>020717-B02-1B</b>	<b>Basement Canteen</b>	<b>12"x12" Dark Brown Floor Tile</b>	<b>8</b>	<b>Chrysotile</b>
<b>020717-B02-2A</b>	<b>Basement Hall East</b>	<b>Black Mastic For 12"x12" Dark Brown Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
<b>020717-B02-2B</b>	<b>Basement Canteen</b>	<b>Black Mastic For 12"x12" Dark Brown Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
<b>020717-B02-3A</b>	<b>Basement Hall East</b>	<b>12"x12" Beige/Green Mottled Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>020717-B02-3B</b>	<b>Basement Canteen</b>	<b>12"x12" Beige/Green Mottled Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
020717-B02-4A	Basement Hall East	Black Mastic for 12"x12" Beige/Green Mottled Floor Tile	ND	
020717-B02-4B	Basement Canteen	Black Mastic for 12"x12" Beige/Green Mottled Floor Tile	ND	
020717-B02-5A	Basement Hall West	4" Beige Ceramic Wall Tile Grout	ND	
020717-B02-5B	1st Floor Kitchen	4" Beige Ceramic Wall Tile Grout	ND	
020717-B02-6A	Basement Hall West	4" Beige Ceramic Wall Tile Setting Compound	ND	
020717-B02-6B	1st Floor Kitchen	4" Beige Ceramic Wall Tile Setting Compound	ND	
020717-B02-7A	Basement Canteen	12"x12" Brown Streak Floor Tile	ND	
020717-B02-7B	Basement Canteen	12"x12" Brown Streak Floor Tile	ND	
020717-B02-8A	Basement Canteen	Black Mastic for 12"x12" Brown Streak Floor Tile	<1	Chrysotile
<b>020717-B02-8B</b>	<b>Basement Canteen</b>	<b>Black Mastic for 12"x12" Brown Streak Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
020717-B02-9A	Basement Library	2'x4' Suspended Ceiling Tile (Type I Pinhole Fissured)	ND	
020717-B02-9B	1st Floor Women's Room	2'x4' Suspended Ceiling Tile (Type I Pinhole Fissured)	ND	
020717-B02-10A	Basement Library	Gypsum Wall Board	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 2 – COMMISSARY**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
020717-B02-10B	Basement Library	Gypsum Wall Board	ND	
020717-B02-11A	Basement Library	Joint Compound	ND	
020717-B02-11B	Basement Library	Joint Compound	ND	
020717-B02-12A	Basement Library	6" Black Cove Base	ND	
020717-B02-12B	Basement Library	6" Black Cove Base	ND	
020717-B02-13A	Basement Library	Adhesive for 6" Black Cove Base	ND	
020717-B02-13B	Basement Library	Adhesive for 6" Black Cove Base	ND	
020717-B02-14A	Basement Library	Yellow Carpet Adhesive	ND	
020717-B02-14B	2nd Floor Classroom	Yellow Carpet Adhesive	ND	
020717-B02-15A	Basement Game Room	2'x4' Suspended Ceiling Tile (Type II Pinhole)	ND	
020717-B02-15B	Basement Game Room	2'x4' Suspended Ceiling Tile (Type II Pinhole)	ND	
020717-B02-16A	1st Floor Lobby Area	Yellow/Green Carpet Square Adhesive	ND	
020717-B02-16B	1st Floor Admin Office	Yellow/Green Carpet Square Adhesive	ND	
020717-B02-17A	Basement Library	Plaster Wall Skim Coat	ND	
020717-B02-17B	Basement Hall	Plaster Wall Skim Coat	ND	
020717-B02-17C	1st Floor Lobby Area	Plaster Wall Skim Coat	ND	
020717-B02-17D	1st Floor Lobby Area	Plaster Wall Skim Coat	ND	
020717-B02-17E	2nd Floor Lobby	Plaster Wall Skim Coat	ND	
020717-B02-17F	2nd Floor Spiral Stair	Plaster Wall Skim Coat	ND	
020717-B02-17G	3rd Floor Hall	Plaster Wall Skim Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 2 – COMMISSARY**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
020717-B02-17H	3rd Floor Hall	Plaster Wall Skim Coat	ND	
020717-B02-18A	Room 322	Plaster Wall Skim Coat	ND	
020717-B02-18B	Basement Library	Plaster Wall Base Coat	ND	
020717-B02-18C	Basement Hall	Plaster Wall Base Coat	ND	
020717-B02-18D	1st Floor Lobby Area	Plaster Wall Base Coat	ND	
020717-B02-18E	1st Floor Lobby Area	Plaster Wall Base Coat	ND	
020717-B02-18F	2nd Floor Lobby	Plaster Wall Base Coat	ND	
020717-B02-18G	2nd Floor Spiral Stair	Plaster Wall Base Coat	ND	
020717-B02-18H	3rd Floor Hall	Plaster Wall Base Coat	ND	
<b>020717-B02-19A</b>	<b>Basement Library</b>	<b>Plaster Ceiling Skim Coat</b>	<b>5</b>	<b>Chrysotile</b>
<b>020717-B02-19B</b>	<b>1st Floor Lobby Area</b>	<b>Plaster Ceiling Skim Coat</b>	<b>4</b>	<b>Chrysotile</b>
<b>020717-B02-19C</b>	<b>Mess Hall Attic</b>	<b>Plaster Ceiling Skim Coat</b>	<b>4</b>	<b>Chrysotile</b>
<b>020717-B02-19D</b>	<b>Mess Hall Attic</b>	<b>Plaster Ceiling Skim Coat</b>	<b>4</b>	<b>Chrysotile</b>
<b>020717-B02-19E</b>	<b>Mess Hall Attic</b>	<b>Plaster Ceiling Skim Coat</b>	<b>8</b>	<b>Chrysotile</b>
020717-B02-20A	Basement Library	Plaster Ceiling Base Coat	ND	
020717-B02-20B	1st Floor Lobby Area	Plaster Ceiling Base Coat	ND	
020717-B02-20C	Mess Hall Attic	Plaster Ceiling Base Coat	ND	
020717-B02-20D	Mess Hall Attic	Plaster Ceiling Base Coat	ND	
020717-B02-20E	Mess Hall Attic	Plaster Ceiling Base Coat	ND	
020717-B02-21A	1st Floor Mess Hall	6" Black Asphalt Cove Base	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 2 – COMMISSARY**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
020717-B02-21B	1st Floor Mess Hall	6" Black Asphalt Cove Base	ND	
<b>020717-B02-22A</b>	<b>1st Floor Women's Room</b>	<b>Plaster Wall Skim Coat</b>	<b>5</b>	<b>Chrysotile</b>
<b>020717-B02-22B</b>	<b>Mess Hall West</b>	<b>Plaster Wall Skim Coat</b>	<b>3</b>	<b>Chrysotile</b>
<b>020717-B02-22C</b>	<b>Mess Hall East</b>	<b>Plaster Wall Skim Coat</b>	<b>3</b>	<b>Chrysotile</b>
020717-B02-23A	1st Floor Women's Room	Plaster Wall Base Coat	ND	
<b>020717-B02-23B</b>	<b>Mess Hall West</b>	<b>Plaster Wall Base Coat</b>	<b>2</b>	<b>Chrysotile</b>
<b>020717-B02-23C</b>	<b>Mess Hall East</b>	<b>Plaster Wall Base Coat</b>	<b>2</b>	<b>Chrysotile</b>
<b>020717-B02-24A</b>	<b>Kitchen Area</b>	<b>Red Cement Poured Floor</b>	<b>3</b>	<b>Chrysotile</b>
<b>020717-B02-24B</b>	<b>Kitchen Area</b>	<b>Red Cement Poured Floor</b>	<b>3</b>	<b>Chrysotile</b>
<b>020717-B02-24C</b>	<b>1st Floor Hall by Loading Dock</b>	<b>Red Cement Poured Floor</b>	<b>2</b>	<b>Chrysotile</b>
<b>020717-B02-25A</b>	<b>Mess Hall Attic</b>	<b>Air Cell Pipe Insulation</b>	<b>40</b>	<b>Chrysotile</b>
<b>020717-B02-25B</b>	<b>Mess Hall Attic</b>	<b>Air Cell Pipe Insulation</b>	<b>50</b>	<b>Chrysotile</b>
<b>020717-B02-25C</b>	<b>Mess Hall Attic</b>	<b>Air Cell Pipe Insulation</b>	<b>40</b>	<b>Chrysotile</b>
<b>020717-B02-26A</b>	<b>Mess Hall Attic</b>	<b>Pipe Elbow Insulation</b>	<b>38</b>	<b>Chrysotile</b>
<b>020717-B02-26B</b>	<b>Mess Hall Attic</b>	<b>Pipe Elbow Insulation</b>	<b>40</b>	<b>Chrysotile</b>
020717-B02-27A	Basement Bar	12"x12" Gray Mottled Floor Tile	ND	
020717-B02-27B	Basement Bar	12"x12" Gray Mottled Floor Tile	ND	
020717-B02-28A	Basement Bar	Adhesive for 12"x12" Gray Mottled Floor Tile	ND	
020717-B02-28B	Basement Bar	Adhesive for 12"x12" Gray Mottled Floor Tile	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 2 – COMMISSARY**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
020717-B02-29A	2nd Floor Lobby	4" Black Cove Base	ND	
020717-B02-29B	2nd Floor Class Room	4" Black Cove Base	ND	
020717-B02-30A	2nd Floor Lobby	Adhesive for 4" Black Cove Base	ND	
020717-B02-30B	2nd Floor Class Room	Adhesive for 4" Black Cove Base	ND	
020717-B02-31A	2nd Floor Lobby	Faux Stick on Wood Floor	ND	
020717-B02-31B	2nd Floor Class Room	Faux Stick on Wood Floor	ND	
020717-B02-32A	2nd Floor Lobby	Adhesive for Faux Stick on Wood Floor	ND	
020717-B02-32B	2nd Floor Class Room	Adhesive for Faux Stick on Wood Floor	ND	
020717-B02-33A	2nd Floor Lobby	Rubber Matt Under Faux Wood Floor	ND	
020717-B02-33B	2nd Floor Class Room	Rubber Matt Under Faux Wood Floor	ND	
020717-B02-34A	2nd Floor Men's Room	Lighter Faux Wood Stick on Tile	ND	
020717-B02-34B	2nd Floor Men's Room	Lighter Faux Wood Stick on Tile	ND	
<b>020717-B02-35A</b>	<b>2nd Floor Men's Room</b>	<b>Dark Brown Flooring</b>	<b>3</b>	<b>Chrysotile</b>
<b>020717-B02-35B</b>	<b>2nd Floor Men's Room</b>	<b>Dark Brown Flooring</b>	<b>2</b>	<b>Chrysotile</b>
020717-B02-36A	Room 310	Faux Wood Sheet Floor	ND	
020717-B02-36B	2nd Floor Hall	Faux Wood Sheet Floor	ND	
020717-B02-37A	Room 310	Adhesive for Faux Wood Sheet Floor	ND	
020717-B02-37B	3rd Floor Hall	Adhesive for Faux Wood Sheet Floor	ND	
020717-B02-38A	3rd Floor Hall	Black Border Sheet Floor	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 2 – COMMISSARY**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
020717-B02-38B	Room 309	Black Border Sheet Floor	ND	
020717-B02-39A	3rd Floor Hall	Adhesive for Black Border Sheet Floor	ND	
020717-B02-39B	Room 309	Adhesive for Black Border Sheet Floor	ND	
020717-B02-40A	3rd Floor Room 322	Plaster Ceiling Skim Coat	ND	
020717-B02-40B	3rd Floor Room 302	Plaster Ceiling Skim Coat	ND	
020717-B02-40C	3rd Floor Room 308	Plaster Ceiling Skim Coat	ND	
020717-B02-41A	3rd Floor Room 322	Plaster Ceiling Base Coat	ND	
020717-B02-41B	3rd Floor Room 302	Plaster Ceiling Base Coat	ND	
020717-B02-41C	3rd Floor Room 308	Plaster Ceiling Base Coat	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



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**Project ID:**

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**Project:** 2257316087/ CTDCS/ VETERANS HOME/ ROCKY HILL CT/ BUILDING 2

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-1A 031703755-0001	BASEMENT HALL EAST - 12"X12" DARK BROWN FLOOR TILE	Black Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
020717-B02-1B 031703755-0002	BASEMENT CANTEEN - 12"X12" DARK BROWN FLOOR TILE	Brown Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
020717-B02-2A 031703755-0003	BASEMENT HALL EAST - BLACK MASTIC FOR 12"X12" DARK BROWN FLOOR TILE	Black Non-Fibrous Homogeneous	1% Cellulose	3% Quartz 92% Non-fibrous (Other)	4% Chrysotile
020717-B02-2B 031703755-0004	BASEMENT CANTEEN - BLACK MASTIC FOR 12"X12" DARK BROWN FLOOR TILE	Tan/Black Non-Fibrous Heterogeneous	3% Cellulose	15% Ca Carbonate 77% Non-fibrous (Other)	5% Chrysotile
020717-B02-3A 031703755-0005	BASEMENT HALL EAST - 12"X12" BEIGE/GREEN MOTTLED FLOOR TILE	Gray/Green Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
020717-B02-3B 031703755-0006	BASEMENT CANTEEN - 12"X12" BEIGE/GREEN MOTTLED FLOOR TILE	White/Green Non-Fibrous Heterogeneous	5% Fibrous_Other	15% Ca Carbonate 77% Non-fibrous (Other)	3% Chrysotile
020717-B02-4A 031703755-0007	BASEMENT HALL EAST - BLACK MASTIC FOR BEIGE/ GREEN MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
020717-B02-4B 031703755-0008	BASEMENT CANTEEN - BLACK MASTIC FOR BEIGE/ GREEN MOTTLED FLOOR TILE	Brown/Black Non-Fibrous Homogeneous	10% Cellulose 5% Synthetic	5% Ca Carbonate 80% Non-fibrous (Other)	None Detected
020717-B02-5A 031703755-0009	BASEMENT HALL WEST - 4" BEIGE CERAMIC WALL TILE GROUT	Tan Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected

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Initial report from: 02/16/2017 05:13:28





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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-5B 031703755-0010	1ST FLOOR KITCHEN - 4" BEIGE CERAMIC WALL TILE GROUT	Tan Non-Fibrous Homogeneous		25% Quartz 40% Ca Carbonate 35% Non-fibrous (Other)	None Detected
020717-B02-6A 031703755-0011	BASEMENT HALL WEST - 4" BEIGE CERAMIC WALL TILE SETTING COMPOUND	Brown Non-Fibrous Homogeneous		68% Quartz 15% Ca Carbonate 17% Non-fibrous (Other)	None Detected
020717-B02-6B 031703755-0012	1ST FLOOR KITCHEN - 4" BEIGE CERAMIC WALL TILE SETTING COMPOUND	Brown Non-Fibrous Homogeneous		10% Quartz 45% Ca Carbonate 45% Non-fibrous (Other)	None Detected
020717-B02-7A 031703755-0013	BASEMENT CANTEEN - 12"X12" BROWN STREAK FLOOR TILE	Brown/Gray Non-Fibrous Homogeneous	13% Cellulose	40% Ca Carbonate 47% Non-fibrous (Other)	None Detected
020717-B02-7B 031703755-0014	BASEMENT CANTEEN - 12"X12" BROWN STREAK FLOOR TILE	Brown/Tan Non-Fibrous Homogeneous	5% Cellulose	20% Ca Carbonate 75% Non-fibrous (Other)	None Detected
020717-B02-8A 031703755-0015	BASEMENT CANTEEN - BLACK MASTIC FOR 12"X12" BROWN STREAK	Black Non-Fibrous Homogeneous	4% Cellulose	10% Ca Carbonate 86% Non-fibrous (Other)	<1% Chrysotile
020717-B02-8B 031703755-0016	BASEMENT CANTEEN - BLACK MASTIC FOR 12"X12" BROWN STREAK	Black Non-Fibrous Homogeneous	5% Cellulose	93% Non-fibrous (Other)	2% Chrysotile
The sample group is not homogeneous					
020717-B02-9A 031703755-0017	BASEMENT LIBRARY - 2'X4' SUSPENDED CEILING TILE (TYPE I PINHOLE FISSURED)	Tan Non-Fibrous Homogeneous	50% Cellulose 36% MinWool	14% Non-fibrous (Other)	None Detected
020717-B02-9B 031703755-0018	1ST FLOOR WOMENS ROOM - 2'X4' SUSPENDED CEILING TILE (TYPE I PINHOLE FISSURED)	Tan/White Fibrous Homogeneous	45% Cellulose 12% MinWool	20% Perlite 23% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-10A 031703755-0019	BASEMENT LIBRARY - GYPSUM WALL BOARD	Gray Non-Fibrous Homogeneous	3% Cellulose 5% Glass	70% Gypsum 22% Non-fibrous (Other)	None Detected
020717-B02-10B 031703755-0020	BASEMENT LIBRARY - GYPSUM WALL BOARD	Brown/Tan Non-Fibrous Homogeneous	15% Cellulose 3% Glass	55% Gypsum 27% Non-fibrous (Other)	None Detected
020717-B02-11A 031703755-0021	BASEMENT LIBRARY - JOINT COMPOIND	White Non-Fibrous Homogeneous		64% Ca Carbonate 36% Non-fibrous (Other)	None Detected
020717-B02-11B 031703755-0022	BASEMENT LIBRARY - JOINT COMPOIND	White Non-Fibrous Homogeneous		55% Ca Carbonate 4% Mica 41% Non-fibrous (Other)	None Detected
020717-B02-12A 031703755-0023	BASEMENT LIBRARY - 6" BLACK COVE BASE	Black Non-Fibrous Homogeneous		13% Ca Carbonate 87% Non-fibrous (Other)	None Detected
020717-B02-12B 031703755-0024	BASEMENT LIBRARY - 6" BLACK COVE BASE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
020717-B02-13A 031703755-0025	BASEMENT LIBRARY - ADHESIVE FOR 6" BLACK COVE BASE	Beige Non-Fibrous Homogeneous	2% Cellulose	5% Ca Carbonate 93% Non-fibrous (Other)	None Detected
020717-B02-13B 031703755-0026	BASEMENT LIBRARY - ADHESIVE FOR 6" BLACK COVE BASE	White/Yellow Non-Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
020717-B02-14A 031703755-0027	BASEMENT LIBRARY - YELLOW CARPET ADHESIVE	Yellow Non-Fibrous Homogeneous	<1% Synthetic	100% Non-fibrous (Other)	None Detected
020717-B02-14B 031703755-0028	2ND FLOOR CLASS ROOM - YELLOW CARPET ADHESIVE	Yellow Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-15A 031703755-0029	BASEMENT GAMEROOM - 2'X4' SUSPENDED CEILING TILE (TYPE II PINHOLE)	Gray/Tan Non-Fibrous Homogeneous	57% Cellulose 30% MinWool	13% Non-fibrous (Other)	None Detected
020717-B02-15B 031703755-0030	BASEMENT GAMEROOM - 2'X4' SUSPENDED CEILING TILE (TYPE II PINHOLE)	Tan Fibrous Homogeneous	48% Cellulose 20% MinWool	15% Perlite 17% Non-fibrous (Other)	None Detected
020717-B02-16A 031703755-0031	1ST FLOOR LOBBY AREA - YELLOW/ GREEN CARPET SQUARE ADHESIVE	Yellow/Green Non-Fibrous Homogeneous	4% Cellulose	13% Ca Carbonate 83% Non-fibrous (Other)	None Detected
020717-B02-16B 031703755-0032	1ST FLOOR ADMIN OFFICE - YELLOW/ GREEN CARPET SQUARE ADHESIVE	Yellow/Green Non-Fibrous Heterogeneous	3% Cellulose 4% Synthetic	93% Non-fibrous (Other)	None Detected
020717-B02-17A 031703755-0033	BASEMENT LIBRARY - PLASTER WALL SKIM COAT	White Non-Fibrous Homogeneous		53% Ca Carbonate 47% Non-fibrous (Other)	None Detected
020717-B02-17B 031703755-0034	BASEMENT HALL - PLASTER WALL SKIM COAT	White Non-Fibrous Homogeneous		56% Ca Carbonate 44% Non-fibrous (Other)	None Detected
020717-B02-17C 031703755-0035	1ST FLOOR LOBBY AREA - PLASTER WALL SKIM COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
020717-B02-17D 031703755-0036	1ST FLOOR LOBBY AREA - PLASTER WALL SKIM COAT	White Non-Fibrous Homogeneous		53% Ca Carbonate 47% Non-fibrous (Other)	None Detected
020717-B02-17E 031703755-0037	2ND FLOOR LOBBY - PLASTER WALL SKIM COAT	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis Result includes a small amount of inseparable attached material					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-17F 031703755-0038	2ND FLOOR SPIRAL STAIR - PLASTER WALL SKIM COAT	White Non-Fibrous Homogeneous		58% Ca Carbonate 42% Non-fibrous (Other)	None Detected
020717-B02-17G 031703755-0039	3RD FLOOR HALL - PLASTER WALL SKIM COAT	White Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
020717-B02-17H 031703755-0039A	3RD FLOOR HALL - PLASTER WALL SKIM COAT	White/Blue Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
020717-B02-18A 031703755-0040	ROOM 322 - PLASTER WALL SKIM COAT	Brown Non-Fibrous Homogeneous		67% Quartz 16% Gypsum 17% Non-fibrous (Other)	None Detected
020717-B02-18B 031703755-0041	BASEMENT LIBRARY - PLASTER WALL BASE COAT	Brown Non-Fibrous Homogeneous		57% Quartz 40% Gypsum 3% Non-fibrous (Other)	None Detected
020717-B02-18C 031703755-0042	BASEMENT HALL - PLASTER WALL BASE COAT	Brown Non-Fibrous Homogeneous	2% Cellulose	50% Quartz 40% Gypsum 8% Non-fibrous (Other)	None Detected
020717-B02-18D 031703755-0043	1ST FLOOR LOBBY AREA - PLASTER WALL BASE COAT	Brown Non-Fibrous Homogeneous		53% Quartz 40% Gypsum 7% Non-fibrous (Other)	None Detected
020717-B02-18E 031703755-0044	1ST FLOOR LOBBY AREA - PLASTER WALL BASE COAT	Brown Non-Fibrous Homogeneous	4% Cellulose	50% Quartz 40% Gypsum 6% Non-fibrous (Other)	None Detected
020717-B02-18F 031703755-0045	2ND FLOOR LOBBY - PLASTER WALL BASE COAT	Brown Non-Fibrous Homogeneous		58% Quartz 35% Gypsum 7% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-18G 031703755-0046	2ND FLOOR SPIRAL STAIR - PLASTER WALL BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 2% Mica 53% Non-fibrous (Other)	None Detected
020717-B02-18H 031703755-0047	3RD FLOOR HALL - PLASTER WALL BASE COAT	Brown Non-Fibrous Homogeneous		55% Quartz 4% Mica 41% Non-fibrous (Other)	None Detected
020717-B02-19A 031703755-0049	BASEMENT LIBRARY - PLASTER CEILING - SKIM COAT	Tan Fibrous Homogeneous	4% Cellulose	25% Ca Carbonate 30% Perlite 36% Non-fibrous (Other)	5% Chrysotile
020717-B02-19B 031703755-0050	1ST FLOOR LOBBY AREA - PLASTER CEILING - SKIM COAT	Tan Fibrous Homogeneous		25% Ca Carbonate 30% Perlite 41% Non-fibrous (Other)	4% Chrysotile
020717-B02-19C 031703755-0051	MESS HALL ATTIC - PLASTER CEILING - SKIM COAT	Tan Fibrous Homogeneous	3% Cellulose	20% Ca Carbonate 30% Perlite 43% Non-fibrous (Other)	4% Chrysotile
020717-B02-19D 031703755-0052	MESS HALL ATTIC - PLASTER CEILING - SKIM COAT	Gray Fibrous Homogeneous	2% Cellulose	25% Ca Carbonate 30% Perlite 39% Non-fibrous (Other)	4% Chrysotile
020717-B02-19E 031703755-0053	MESS HALL ATTIC - PLASTER CEILING - SKIM COAT	Tan Non-Fibrous Homogeneous	3% Cellulose	40% Perlite 49% Non-fibrous (Other)	8% Chrysotile
020717-B02-20A 031703755-0054	BASEMENT LIBRARY - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		40% Quartz 20% Gypsum 40% Non-fibrous (Other)	None Detected
020717-B02-20B 031703755-0055	1ST FLOOR LOBBY AREA - PLASTER CEILING - BASE COAT	Tan Non-Fibrous Homogeneous	4% Cellulose	30% Quartz 35% Gypsum 31% Non-fibrous (Other)	None Detected
020717-B02-20C 031703755-0056	MESS HALL ATTIC - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous	3% Cellulose	40% Quartz 20% Gypsum 37% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/16/2017 05:13:28



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<b>EMSL Order:</b> 031703755
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<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
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**Received Date:** 02/13/2017 10:06 AM  
**Analysis Date:** 02/14/2017 - 02/16/2017  
**Collected Date:** 02/07/2017

**Project:** 2257316087/ CTDCS/ VETERANS HOME/ ROCKY HILL CT/ BUILDING 2

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-20D 031703755-0057	MESS HALL ATTIC - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous	3% Cellulose	40% Quartz 25% Gypsum 32% Non-fibrous (Other)	None Detected
020717-B02-20E 031703755-0058	MESS HALL ATTIC - PLASTER CEILING - BASE COAT	Gray Non-Fibrous Homogeneous		55% Quartz 45% Non-fibrous (Other)	None Detected
020717-B02-21A 031703755-0059	1ST FLOOR MESS HALL - 6" BLACK ASPHALT COVE BASE	Black Non-Fibrous Homogeneous		34% Quartz 66% Non-fibrous (Other)	None Detected
020717-B02-21B 031703755-0060	1ST FLOOR MESS HALL - 6" BLACK ASPHALT COVE BASE	Gray Non-Fibrous Homogeneous		25% Quartz 20% Ca Carbonate 55% Non-fibrous (Other)	None Detected
020717-B02-22A 031703755-0061	1ST FLOOR WOMENS ROOM - PLASTER WALL - SKIM COAT	Tan/White Fibrous Heterogeneous		20% Ca Carbonate 30% Perlite 45% Non-fibrous (Other)	5% Chrysotile
Inseparable paint / coating layer included in analysis					
020717-B02-22B 031703755-0062	MESS HALL WEST - PLASTER WALL - SKIM COAT	Tan/White/Blue Fibrous Heterogeneous		25% Ca Carbonate 35% Perlite 37% Non-fibrous (Other)	3% Chrysotile
Inseparable paint / coating layer included in analysis					
020717-B02-22C 031703755-0063	MESS HALL EAST - PLASTER WALL - SKIM COAT	Gray Non-Fibrous Homogeneous		25% Quartz 20% Ca Carbonate 52% Non-fibrous (Other)	3% Chrysotile
020717-B02-23A 031703755-0064	1ST FLOOR WOMENS ROOM - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous	2% Cellulose	45% Quartz 53% Non-fibrous (Other)	None Detected
020717-B02-23B 031703755-0065	MESS HALL WEST - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 43% Non-fibrous (Other)	2% Chrysotile
Possible inseparable contamination from skim coat.					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-23C 031703755-0066	MESS HALL EAST - PLASTER WALL - BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 58% Non-fibrous (Other)	2% Chrysotile
020717-B02-24A 031703755-0067	KITCHEN AREA - RED CEMENT FLOOR	Red Fibrous Homogeneous	18% Cellulose	25% Ca Carbonate 54% Non-fibrous (Other)	3% Chrysotile
020717-B02-24B 031703755-0068	KITCHEN AREA - RED CEMENT FLOOR	Red Fibrous Homogeneous	20% Cellulose	20% Ca Carbonate 57% Non-fibrous (Other)	3% Chrysotile
020717-B02-24C 031703755-0069	1ST FLOOR HALL BY LOADING DOCK - RED CEMENT FLOOR	Red Non-Fibrous Homogeneous	10% Cellulose	88% Non-fibrous (Other)	2% Chrysotile
020717-B02-25A 031703755-0070	MESS HALL ATTIC - AIR CELL PIPE INSULATION	Brown/Tan Fibrous Homogeneous	45% Cellulose	15% Non-fibrous (Other)	40% Chrysotile
020717-B02-25B 031703755-0071	MESS HALL ATTIC - AIR CELL PIPE INSULATION	Tan/White Fibrous Homogeneous	40% Cellulose	10% Non-fibrous (Other)	50% Chrysotile
020717-B02-25C 031703755-0072	MESS HALL ATTIC - AIR CELL PIPE INSULATION	Tan Fibrous Homogeneous	20% Cellulose	40% Non-fibrous (Other)	40% Chrysotile
020717-B02-26A 031703755-0073	MESS HALL ATTIC - PIPE ELBOW INSULATION	Gray/Tan Fibrous Homogeneous	10% Cellulose	25% Ca Carbonate 27% Non-fibrous (Other)	38% Chrysotile
020717-B02-26B 031703755-0074	MESS HALL ATTIC - PIPE ELBOW INSULATION	Gray Fibrous Homogeneous	20% Cellulose	40% Non-fibrous (Other)	40% Chrysotile
020717-B02-27A 031703755-0075	BASEMENT BAR - 12"X12" GRAY MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-27B 031703755-0076	BASEMENT BAR - 12"X12" GRAY MOTTLED FLOOR TILE	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
020717-B02-28A 031703755-0077	BASEMENT BAR - ADHESIVE FOR 12"X12" GRAY MOTTLED FLOOR TILE	Yellow Non-Fibrous Homogeneous	3% Cellulose	4% Ca Carbonate 93% Non-fibrous (Other)	None Detected
020717-B02-28B 031703755-0078	BASEMENT BAR - ADHESIVE FOR 12"X12" GRAY MOTTLED FLOOR TILE	Yellow Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
020717-B02-29A 031703755-0079	2ND FLOOR LOBBY - 4" BLACK COVE BASE	Black Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
020717-B02-29B 031703755-0080	2ND FLOOR CLASS ROOM - 4" BLACK COVE BASE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
020717-B02-30A 031703755-0081	2ND FLOOR LOBBY - ADHESIVE FOR 4" BLACK COVE BASE	Tan/White Non-Fibrous Homogeneous	4% Cellulose	15% Ca Carbonate 81% Non-fibrous (Other)	None Detected
020717-B02-30B 031703755-0082	2ND FLOOR CLASS ROOM - ADHESIVE FOR 4" BLACK COVE BASE	White Non-Fibrous Homogeneous	4% Cellulose	10% Ca Carbonate 86% Non-fibrous (Other)	None Detected
020717-B02-31A 031703755-0083	2ND FLOOR LOBBY - PHO STICK ON WOOD FLOOR	Gray/Red Non-Fibrous Homogeneous	5% Glass	10% Ca Carbonate 85% Non-fibrous (Other)	None Detected
020717-B02-31B 031703755-0084	2ND FLOOR CLASS ROOM - PHO STICK ON WOOD FLOOR	Red Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
020717-B02-32A 031703755-0085	2ND FLOOR LOBBY - ADHESIVE FOR PHO STICK ON WOOD FLOOR	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected

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**Project:** 2257316087/ CTDCS/ VETERANS HOME/ ROCKY HILL CT/ BUILDING 2

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-32B 031703755-0086	2ND FLOOR CLASS ROOM - ADHESIVE FOR PHO STICK ON WOOD FLOOR	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
020717-B02-33A 031703755-0087	2ND FLOOR LOBBY - RUBBER MATT UNDER PHO WOOD FLOOR	Gray/Black Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
020717-B02-33B 031703755-0088	2ND FLOOR CLASS ROOM - RUBBER MATT UNDER PHO WOOD FLOOR	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
020717-B02-34A 031703755-0089	2ND FLOOR MENS ROOM - LIGHTER PHO WOOD STICK ON TILE	Brown/Tan/White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
020717-B02-34B 031703755-0090	2ND FLOOR MENS ROOM - LIGHTER PHO WOOD STICK ON TILE	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
020717-B02-35A 031703755-0091	2ND FLOOR MENS ROOM - DARK BROWN CEMENT FLOOR	Brown Non-Fibrous Homogeneous		15% Quartz 82% Non-fibrous (Other)	3% Chrysotile
020717-B02-35B 031703755-0092	2ND FLOOR MENS ROOM - DARK BROWN CEMENT FLOOR	Brown Non-Fibrous Homogeneous		10% Quartz 88% Non-fibrous (Other)	2% Chrysotile
020717-B02-36A 031703755-0093	ROOM 310 - PHO WOOD SHEET FLOOR	Brown/Gray/Tan Fibrous Heterogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
020717-B02-36B 031703755-0094	2ND FLOOR HALL - PHO WOOD SHEET FLOOR	Brown Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-37A 031703755-0095	ROOM 310 - ADHESIVE FOR PHO WOOD SHEET FLOOR	Brown Non-Fibrous Homogeneous	15% Cellulose	5% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
020717-B02-37B 031703755-0096	3RD FLOOR HALL - ADHESIVE FOR PHO WOOD SHEET FLOOR	Brown Non-Fibrous Homogeneous	15% Cellulose	10% Ca Carbonate 75% Non-fibrous (Other)	None Detected
020717-B02-38A 031703755-0097	3RD FLOOR HALL - BLACK BOARDER SHEET FLOOR	Brown/Black Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
020717-B02-38B 031703755-0098	ROOM 309 - BLACK BOARDER SHEET FLOOR	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
020717-B02-39A 031703755-0099	3RD FLOOR HALL - ADHESIVE FOR BLACK BORDER SHEET FLOOR	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
020717-B02-39B 031703755-0100	ROOM 309 - ADHESIVE FOR BLACK BORDER SHEET FLOOR	Yellow Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
020717-B02-40A 031703755-0101	3RD FLOOR RM 322 - PLASTER CEILING SKIM COAT	White Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
020717-B02-40B 031703755-0102	3RD FLOOR RM 302 - PLASTER CEILING SKIM COAT	Gray/White Non-Fibrous Heterogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
020717-B02-40C 031703755-0103	3RD FLOOR RM 308 - PLASTER CEILING SKIM COAT	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
020717-B02-41A 031703755-0104	3RD FLOOR RM 322 - PLASTER CEILING BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
020717-B02-41B 031703755-0105	3RD FLOOR RM 302 - PLASTER CEILING BASE COAT	Brown Non-Fibrous Homogeneous	3% Cellulose	40% Quartz 20% Gypsum 37% Non-fibrous (Other)	None Detected
020717-B02-41C 031703755-0106	3RD FLOOR RM 308 - PLASTER CEILING BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected

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The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.


### Report Comments:

Sample Receipt Date:	02/13/2017	Sample Receipt Time:	10:06 AM
Analysis Completed Date:	02/16/2017	Analysis Completed Time:	1:59 AM


### Analyst(s):

  
 \_\_\_\_\_  
 Emmanuel Moise PLM (26)

  
 \_\_\_\_\_  
 Ghaly Hemaya PLM (23)

  
 \_\_\_\_\_  
 Jon Williams PLM (57)

### Samples Reviewed and approved by:

  
 \_\_\_\_\_  
 James Hall, Laboratory Manager  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/16/2017 05:13:28



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031703755

Cardno ATC Inspector: Alisa Weist Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 2-7-17 Project Manager: E. Fennell

Signature: [Signature] Requested Completion Date: \_\_\_\_\_

Lab Name: EMSL Requested turnaround time (circle): 3 HR - 6 HR - 24 HR - 48 HR - 3 DY - 5 DY No. Samples Collected: 10

Building: Building 2 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Finish Number
Basement Hall East	12" X 12" Dark Brown Floor tile	Misc				1	020717-602-1A
"canteen	Black Mastic For 12" X 12"					2	1B
Basement Hall East	Dark Brown Floor tile					2	2A
"canteen	12" X 12" Beige/green mottled Floor tile					2	2B
Basement Hall East	Black Mastic For beige/green mottled Floor tile					2	3A
"canteen	4" Beige ceramic wall tile					2	3B
Basement Hall East	Green mottled Floor tile					2	4A
"canteen	4" Beige ceramic wall tile					2	4B
Basement Hall West	grout					2	5A
1st Floor Kitchen	4" Beige ceramic wall tile					2	5B
Basement Hall West	setting compound					2	6A
1st Floor Kitchen	12" X 12" brown streak Floor tile					2	6B
Basement canteen	Black Mastic For 12" X 12" brown streak					2	7A
"						2	8A
Basement canteen						2	8B

Comments: PLM

Notes: Damage Factors: \_\_\_\_\_ Physical (sig dmg-no dmg) \_\_\_\_\_ Water (extensive-moderate-slight-none) \_\_\_\_\_ Deterioration (heavy-moderate-light-none) \_\_\_\_\_ Friability (yes-no, hard-mod-soft surface) \_\_\_\_\_

Disturbance Factors: \_\_\_\_\_ Proximity (<1ft-1-6ft->6ft) \_\_\_\_\_ Accessibility (within reach-barely reachable-not reachable) \_\_\_\_\_ Vibration (syn-muscle rm-auditorium-mechanical rm-elevator-other) \_\_\_\_\_ Barriers (perm airtight-enclosed-encapsulated) \_\_\_\_\_

Ventilation (yes-no; if yes, type) \_\_\_\_\_ Air conduits (air plenum - air shaft - elevator shaft - duct) \_\_\_\_\_ Air movement (high-moderate-low) \_\_\_\_\_ Texture (pitted-moderate-smooth) \_\_\_\_\_

Relinquished By/Date: Alisa Weist 2-10-17 Received By/Date: [Signature] 2/13/17

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

[Signature] 2/15/17  
2301

F/x 810998902276

2-16-17

**BULK SAMPLE LOG**

Page 2 of 8  
290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031703755

Cardio ATC Inspector:	Alisa Weist	Client Name:	CTDCS
Accreditation No.:	736	Project No./Task No.:	2257316087
Survey Date:	2-7-17	Project Manager:	E. Fennell
Signature:	<i>Alisa Weist</i>	Requested Completion Date:	
Lab Name:	ENSL	Requested turnaround time (circle)	3 HR 6 HR 24 HR 48 HR 3 DY 5 DY
Building:	Building 2	Address:	Veterans Home, Rocky Hill CT
Location	Material Description	Type	Sample of (homogeneous material)
Basement Library	2'x4' suspended ceiling	S	
1st Floor Womens Room	tile (Type I pinhole fissured)	MISC	
Basement Library	gypsum wall board		020717-602-9A
"			9B
"			10A
Basement Library	Joint compound		10B
"			11A
Basement Library	6" black cove base		11B
"			12A
Basement Library	adhesive for 6" black cove base		12B
"			13A
Basement Library	yellow carpet adhesive		13B
2nd Floor classroom			14A
Basement Game Room	2'x4' suspended ceiling		14B
"	tile (Type II pinhole)		15A
1st Floor Lobby area	yellow/green carpet		15B
1st Floor Admin Office	SQUARE adhesive		16A
			16B

Comments: PLM

Notes: Damage Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - duct) for shaft - duct

Disturbance Factors: Physical (sig dmg-no dmg) Proximity (<1ft-1-6ft->8ft) Ventilation (yes-no; If yes, type)

Relinquished By/Date: *Alisa Weist* 2-10-17

Relinquished By/Date: *J* 2/15/17

Received By/Date: *Denny Barton* 2/13/17

Received By/Date: *EW:06A*

Elimination (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)

Etchability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031703755

Cardno ATC Inspector: Alisa Weist Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 2-7-17 Project Manager: E. Fennell

Signature: Alisa Weist Requested Completion Date: \_\_\_\_\_

Lab Name: EMSL Requested turnaround time (circle) - 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected: 5/0/0

Building: Building 2 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S	TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
Basement Library	Plaster wall - skim coat	S					1	020717-602-17A
Basement Wall	"	"					2	17B
1st Floor Lobby area	"	"					3	17C
"	"	"					4	17D
2nd Floor Lobby	"	"					5	17E
2nd Floor spiral stairs	"	"					6	17F
3rd Floor Hall	"	"					7	17G
Room 322	"	"					8	17H
Basement Library	Plaster Wall - Base coat						1	18A
Basement Wall	"	"					2	18B
1st Floor Lobby area	"	"					3	18C
"	"	"					4	18D
2nd Floor Lobby	"	"					5	18E
2nd Floor spiral stairs	"	"					6	18F
3rd Floor Hall	"	"					7	18G
Room 322	"	"					8	18H

Comments: PLM

Notes: \_\_\_\_\_

Damage Factors: \_\_\_\_\_

Disturbance Factors: \_\_\_\_\_

Physical (sig dmg-dmg-no dmg) \_\_\_\_\_

Water (extensive-moderate-slight-none) \_\_\_\_\_

Accessibility (within reach-barely reachable-not reachable) \_\_\_\_\_

Vibration (sym-music mm-auditorium-mechanical mm-elevator-other) \_\_\_\_\_

Ventilation (yes-no; if yes, type) \_\_\_\_\_

Air movement (air plenum - air shaft - elevator shaft - duct) \_\_\_\_\_

Relinquished By/Date: Alisa Weist 2-10-17

Received By/Date: Demoy Sattson 2/13/17

Relinquished By/Date: \_\_\_\_\_

Received By/Date: \_\_\_\_\_

*f. 2/18/17*



# BULK SAMPLE LOG

Page 4 of 8

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924

Fax: (860) 282-9826

031703755

Cardno ATC Inspector: Alisa Weist  
 Accreditation No.: 736  
 Survey Date: 2-7-17  
 Signature: AM Weist  
 Lab Name: ENSL  
 Building: Bld 2

Client Name: CTDCS  
 Project No./Task No.: 2257316087  
 Project Manager: E. Fennell  
 Requested Completion Date: \_\_\_\_\_  
 Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY

No. Samples Collected: 06

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
Basement Library	Plaster ceiling - skim coat	S				1	20217-602-19A
1st Floor Lobby area	"					2	19B
Mess Hall Attic	"					3	19C
"	"					4	19D
"	"					5	19E
"	"					6	19F
Basement Library	Plaster ceiling - Base coat					7	20A
1st Floor Lobby area	"					8	20B
Mess Hall Attic	"					9	20C
"	"					10	20D
"	"					11	20E
"	"					12	20F
"	"					13	20G

Comments: PLM

Notes  
 Damage Factors: \_\_\_\_\_  
 Disturbance Factors: \_\_\_\_\_

Water (extensive-moderate-slight-none)  
 Accessibility (within reach-barely-reachable-not-reachable)  
 Air conduits (air plenum - air shaft - plenum - duct)

Deterioration (heavy-moderate-light-none)  
 Vibration (sym-music rm-auditorium-mechanical rm-elevator-other)  
 Air movement (high-moderate-low)

Friability (yes-no; hard-mod-soft surface)  
 Barriers (perm airtight-enclosed-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: AM Weist 2-10-17  
 Relinquished By/Date: \_\_\_\_\_

Received By/Date: Serena Watson 2/13/17-00:06:12  
 Received By/Date: \_\_\_\_\_

10:06A

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**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031703755

Cardno ATC Inspector: <u>Alison Weist</u>	Client Name: <u>CTDCS</u>	No. Samples Collected: <u>907</u>					
Accreditation No.: <u>736</u>	Project No./Task No.: <u>2257316087</u>						
Survey Date: <u>2-7-17</u>	Project Manager: <u>E. Fennell</u>						
Signature: <u>Alison Weist</u>	Requested Completion Date:						
Lab Name: <u>EMSL</u>	Requested turnaround time (circle): <u>3 HR - 6 HR - 24 HR - 48 HR - 3 DY - 5 DY</u>						
Building: <u>DE Blvd</u>	Address: <u>Veterans Home, Rocky Hill CT</u>						
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
1st Floor Mess Hall	6" Black asphalt	Misc				2	200717-802-21A
"	Cove base					2	21B
1st Floor Womens RM	Plaster wall - skim coat	S				3	22A
Mess Hall West	"					2	22B
Mess Hall East	"					3	22C
1st Floor Womens RM	Plaster wall - Base coat					2	23A
Mess Hall West	"					3	23B
Mess Hall East	"					3	23C
Kitchen area	Red cement Floor	Misc				1	24A
"	"					2	24B
1st Floor Hall by Loading Dock	"					3	24C
Mess Hall attic	Air cell pipe insulation					1	25A
"	"					2	25B
"	"					3	25C

PLM

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Friability (yes-no; hard-mod-soft surface)

Disturbance Factors: Proximity (<1ft- >6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (sym-music rm-auditorium-mechanical rm-elevator-other) Battering (perm airtight-enclosed-encapsulated)

Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low) ~~Textured~~ (rough-pitted-moderate-smooth)

Relinquished By/Date: Alison Weist 2-10-17 Received By/Date: Scary Benson

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

2/13/17 @ 10:00

f. 2/15/17



# BULK SAMPLE LOG

Page 6 of

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924

Order ID: 031703755

031703755

Cardno ATC Inspector: Alisa Weist  
 Accreditation No.: 736  
 Survey Date: 2-7-17  
 Signature: AM Weist  
 Lab Name: EMSL  
 Building: Bldg 2  
 Client Name: CTDCS  
 Project No./Task No.: 2257316087  
 Project Manager: E. Fennell  
 Requested Completion Date: 3-DY  
 Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 5-DY

Location	Material Description	Type S	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Mess Hall Artic	Pipe elbow insulation	MISC				1	26717-1502-26A
"	"	"				2	26B
Basement Bar	12" x 12" gray mottled floor tile					1	274
"	adhesive for 12" x 12" gray mottled floor tile					2	27B
"	"					1	28A
"	"					2	28B
2nd Floor Lobby	4" Black Cove base					1	29A
2nd Floor class room	Adhesive for 4" Black Cove base					2	29B
2nd Floor lobby	Pho stick on wood floor					1	30A
2nd Floor class room	adhesive for pho stick on wood floor					2	30B
2nd Floor lobby	Rubber matt under pho					1	31A
2nd Floor class room	Floors					2	31B
2nd Floor lobby	"					1	32A
2nd Floor class room	"					2	32B
2nd Floor lobby	"					1	33A
2nd Floor class room	"					2	33B

Address: Veteran's Home, Rocky Hill CT

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - supply/return - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music m-auditorium-mechanical m-elevator-other) Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-oncepsulated) Texture (rough-polished-moderate-smooth)

Comments: PLM

Relinquished By/Date: AM Weist 2-10-17 Received By/Date: Senay Batten

Relinquished By/Date: AM Weist 2-10-17 Received By/Date: Senay Batten

2/13/17 10:00 AM

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# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924  
Fax: (860) 282-9826

031703755

Cardio ATC Inspector: Alisa Weist Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 2-7-17 Project Manager: E. Fennell

Signature: Alm Weist Requested Completion Date: \_\_\_\_\_

Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected: 107

Building: Bldg 2 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_homogeneous material)	Field Number
1st and 2nd Floor Mens RM	Lighter Pho Wood	MISC				1	02D717- <del>344</del> 344
"	STICK on tile					2	344
"	DARK brown cement					1	35A
"	FLOOR					2	35B
Room 310	Pho Wood sheet Floor					1	36A
2nd Floor Hall	adhesive For Pho wood					2	36B
Room 310	Sheet FLOOR					1	37A
3rd Floor Hall	Black boarder sheet					2	37B
3rd and 4th Floor Hall	FLOOR					1	38A
Room 309	adhesive For Black					2	38B
2nd Floor Hall	boarder Sheet FLOOR					1	39A
Room 309	Plaster ceiling- SKIM					2	39B
3rd and 4th Floor Rm 322	coat					1	40A
RM 302	"					2	40B
Room 308	"					3	40C

Comments: PLM

Notes  
 Damage Factors: \_\_\_\_\_  
 Disturbance Factors: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_

Physical (sig dmg-dmg-no dmg) \_\_\_\_\_  
 Water (extensive-moderate-slight none) \_\_\_\_\_  
 Accessibility (within reach-barely reachable-not reachable) \_\_\_\_\_  
 Proximity (<1ft- 1-6ft->6ft) \_\_\_\_\_  
 Ventilation (yes-no; If yes, type) \_\_\_\_\_  
 All conduits (air plenum - air shaft - elevator shaft - duct) \_\_\_\_\_

Date/condition (heavy-moderate-light-none) \_\_\_\_\_  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) \_\_\_\_\_  
 All movement (high-moderate-low) \_\_\_\_\_

Reliability (yes-no; hard-mold-soft surface) \_\_\_\_\_  
 Barriers (perm airtight-enclosed-encapsulated) \_\_\_\_\_  
 Textures (rough-pitted-moderate-smooth) \_\_\_\_\_

Received By/Date: Alm Weist 2-10-17  
 Received By/Date: \_\_\_\_\_

Signature: Alm Weist  
 Date: 2/15/17



**BULK SAMPLE LOG**

Page 8 of 8

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924  
Fax: (860) 282-9826

031703755

Cardno ATC Inspector: Alisa Wert  
 Accreditation No.: 736  
 Survey Date: 2-7-17  
 Signature: AM Wert  
 Lab Name: EMSL  
 Building: Bldg 2

Client Name: CTDCS  
 Project No./Task No.: 2257316087  
 Project Manager: E. Fennell  
 Requested Completion Date: \_\_\_\_\_

Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY  
 No. Samples Collected: 107

Address: Veteran's Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
3rd Floor RM 322	Plaster ceiling - Base coat	S				2	020717-802-41A
Room 307	"	U				3	41B
Room 308							41C

Comments: PLM

Notes  
 Damage Factors: \_\_\_\_\_  
 Disturbance Factors: \_\_\_\_\_

Water (extensive-moderate-slight-none) \_\_\_\_\_  
 Deterioration (heavy-moderate-light-none) \_\_\_\_\_

Accessibility (within reach-barely reachable-not reachable) \_\_\_\_\_  
 Vibration (gym-music m-auditorium-mechanical m-elevator-other) \_\_\_\_\_

Proximity (<1ft-1-5ft- >6ft) \_\_\_\_\_  
 Air movement (high-moderate-low) \_\_\_\_\_

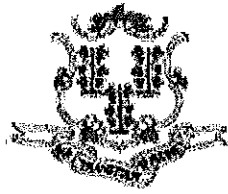
Ventilation (yes-no; if yes, type) \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

**Name**

<b>Name</b>
ALISA M WERST

**License Information**

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**



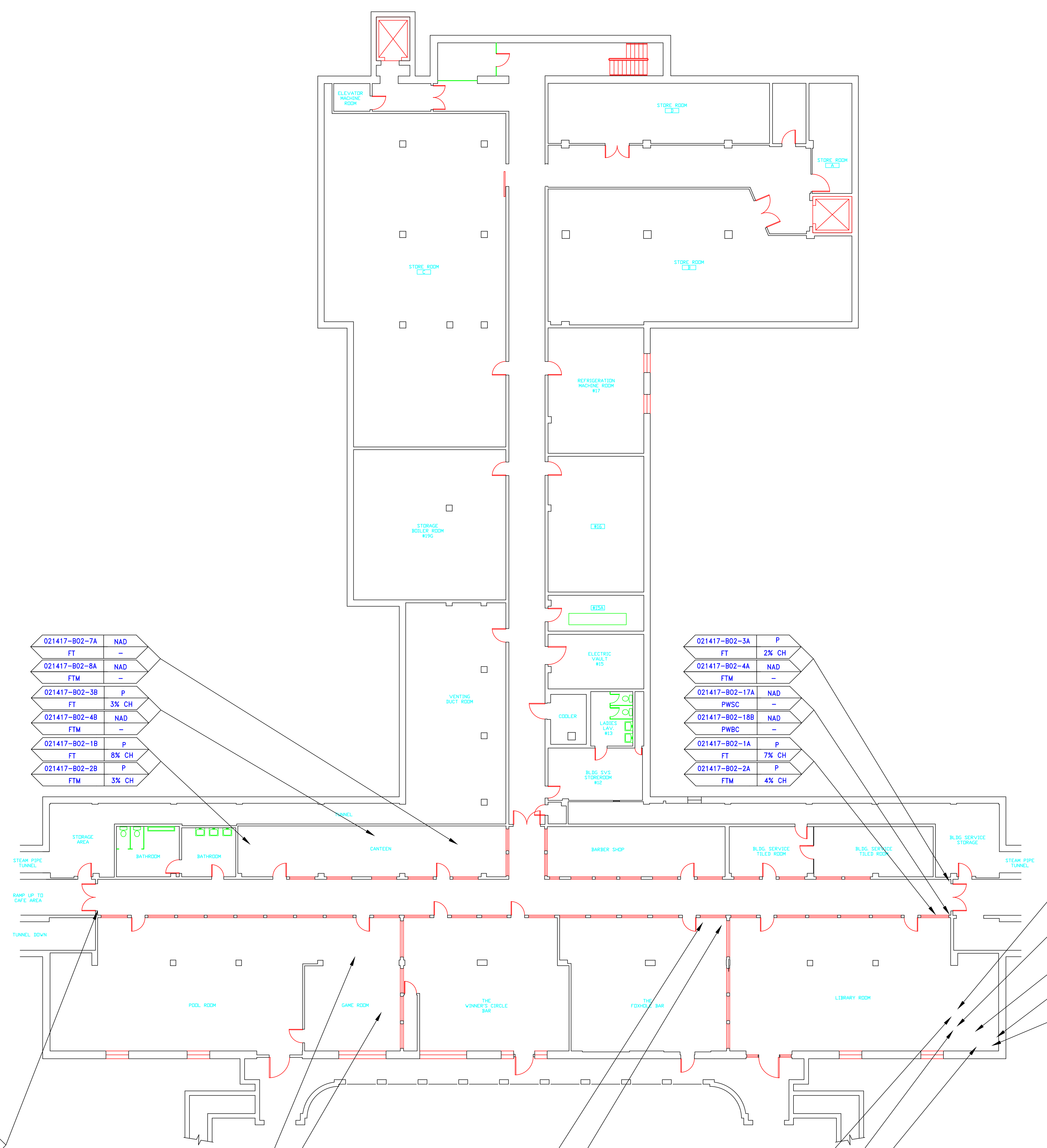


SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BRECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LJ	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM BLACK WATERPROOFING EXTERIOR WALL
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING



021417-B02-7A	NAD
FT	-
021417-B02-8A	NAD
FTM	-
021417-B02-3B	P
FT	3% CH
021417-B02-4B	NAD
FTM	-
021417-B02-1B	P
FT	8% CH
021417-B02-2B	P
FTM	3% CH

021417-B02-3A	P
FT	2% CH
021417-B02-4A	NAD
FTM	-
021417-B02-17A	NAD
PWSC	-
021417-B02-18B	NAD
PWBC	-
021417-B02-1A	P
FT	7% CH
021417-B02-2A	P
FTM	4% CH

021417-B02-12A	NAD
CB	-
021417-B02-13A	NAD
CBA	-
021417-B02-12B	NAD
CB	-
021417-B02-13B	NAD
CBA	-
021417-B02-14A	NAD
CA	-
021417-B02-17A	NAD
PWSC	-
021417-B02-18A	NAD
PWBC	-
021417-B02-19A	P
PCSC	5% CH
021417-B02-20A	NAD
PCBC	-

021417-B02-5A	NAD
CWTG	-
021417-B02-6A	NAD
CWTSC	-

021417-B02-6A	NAD
SCT	-
021417-B02-6A	NAD
SCT	-

021417-B02-27A	NAD
FT	-
021417-B02-28A	NAD
FTM	-
021417-B02-27B	NAD
FT	-
021417-B02-28B	NAD
FTM	-

021417-B02-10A	NAD
GB	-
021417-B02-11A	NAD
JC	-
021417-B02-10B	NAD
GB	-
021417-B02-11B	NAD
JC	-
021417-B02-9A	NAD
SCT	-

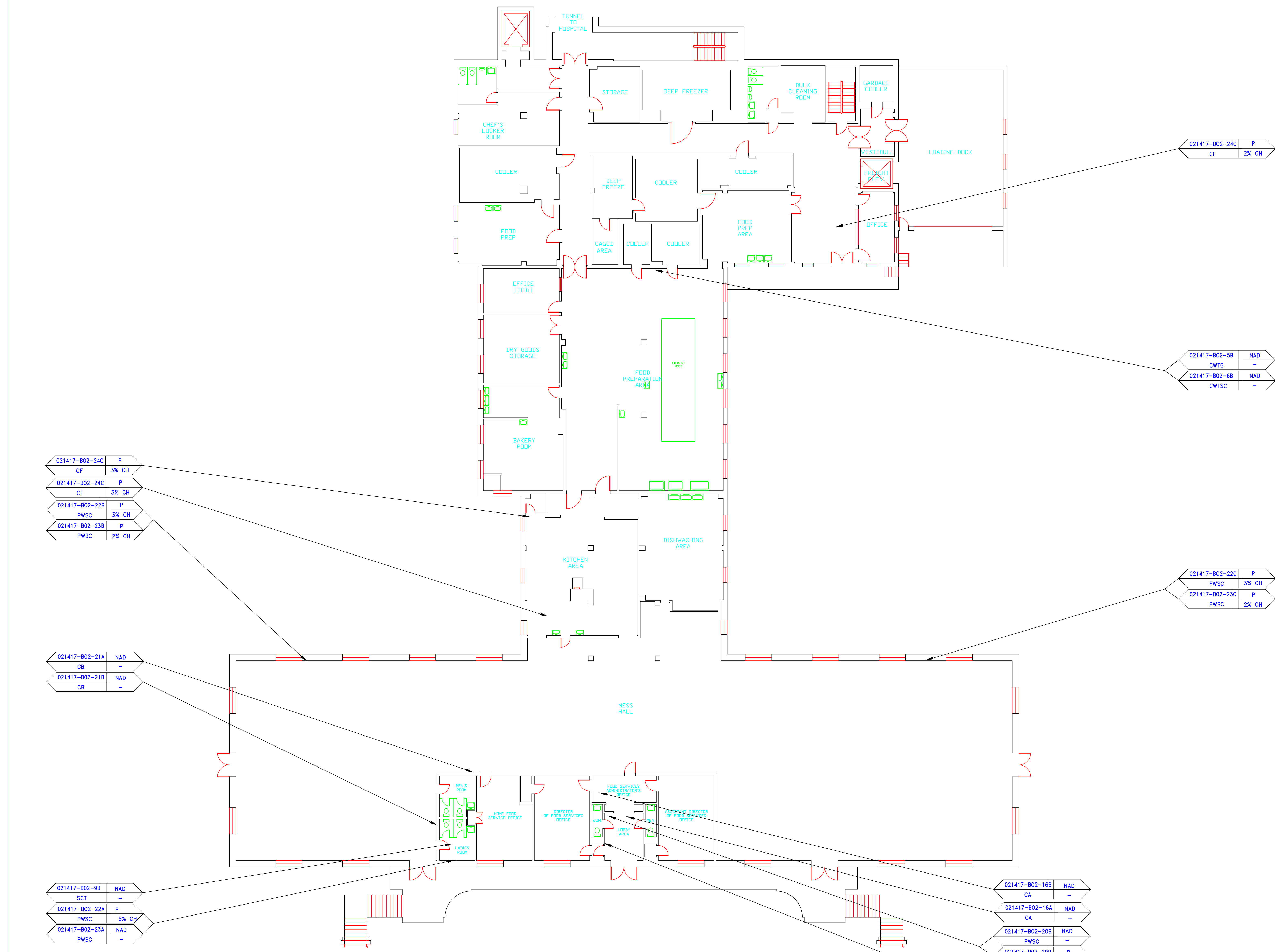
drawing title <b>SAMPLE LOCATION BASEMENT PLAN</b>	STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES
REVISIONS	ATC ENVIRONMENTAL & GEOTECHNICAL ENGINEERING & MATERIALS TESTING
mark date description	3/17/17 SCALE: 3/32" = 1' drawn by: AMW approved by: EF drawing no.: ASB-BA
CAD no.	project no. 2257316087

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	=	AMOSITE
BI	=	BRECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPNUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF1	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WINDOW FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM BLACK WATERPROOFING EXTERIOR WALL
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT  
 BEHIND WALLS AND CEILINGS



021417-802-24C	P
CF	3% CH
021417-802-24C	P
CF	3% CH
021417-802-22B	P
PWSC	3% CH
021417-802-23B	P
PWBC	2% CH

021417-802-21A	NAD
CB	-
021417-802-21B	NAD
CB	-

021417-802-9B	NAD
SCT	-
021417-802-22A	P
PWSC	5% CH
021417-802-23A	NAD
PWBC	-

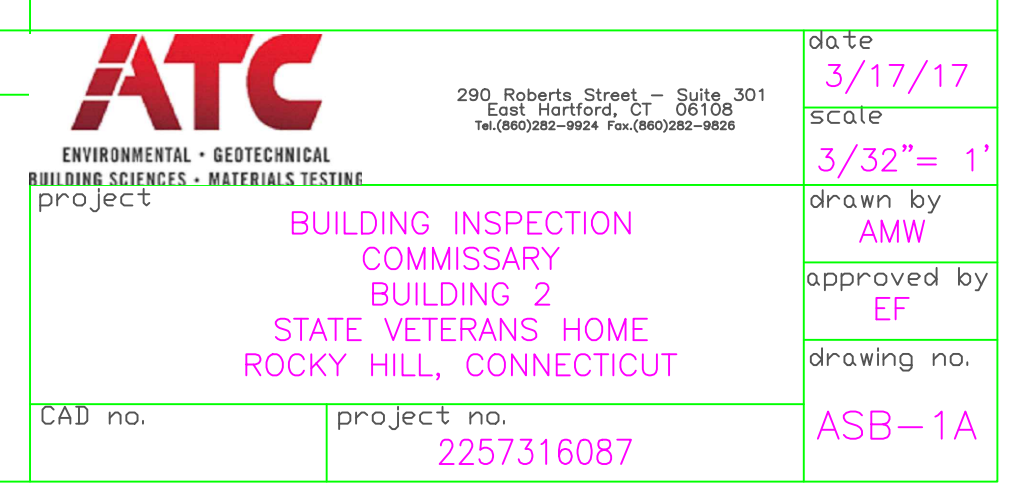
021417-802-24C	P
CF	2% CH

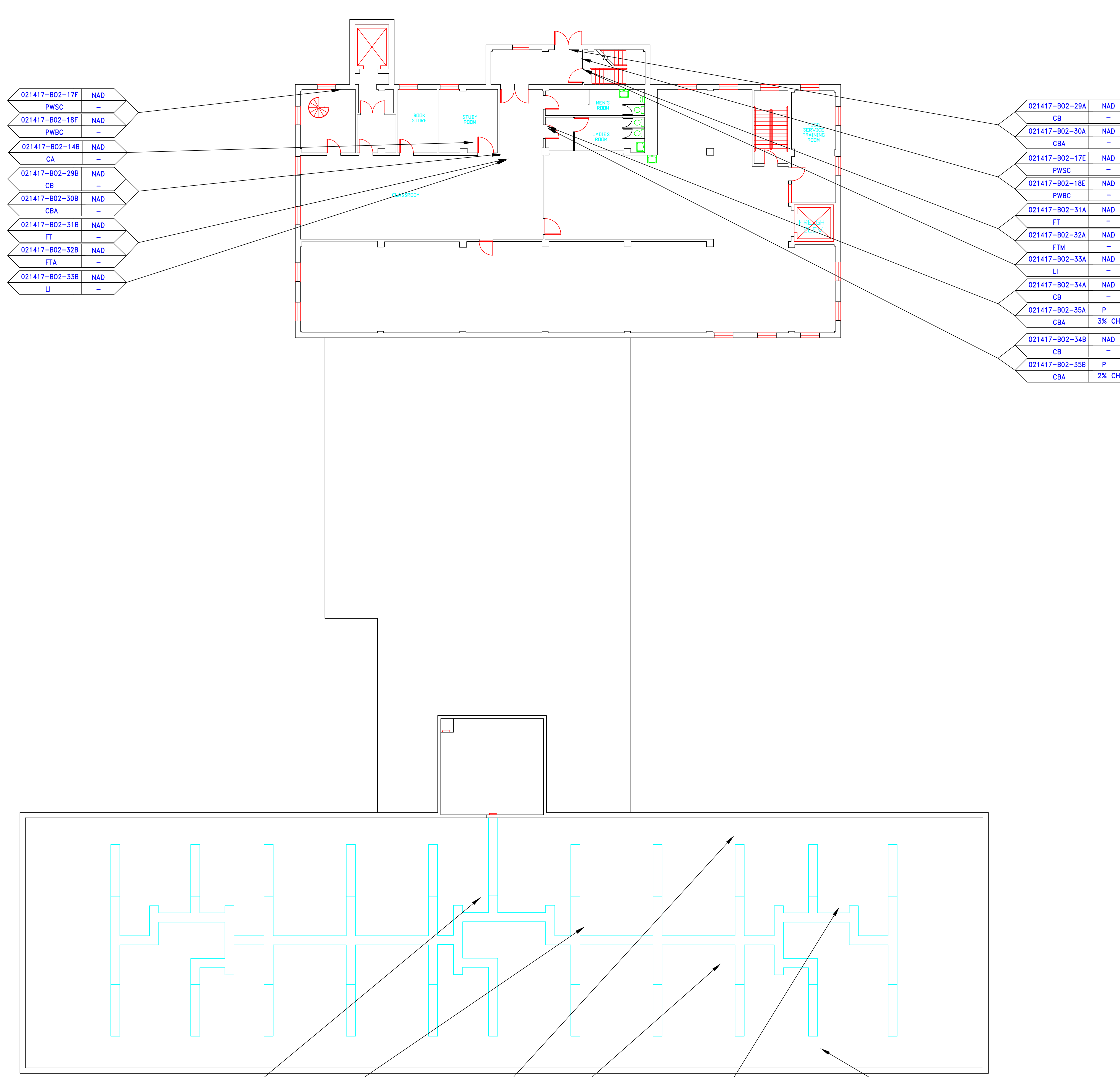
021417-802-5B	NAD
CWTG	-
021417-802-6B	NAD
CWTSC	-

021417-802-22C	P
PWSC	3% CH
021417-802-23C	P
PWBC	2% CH

021417-802-16B	NAD
CA	-
021417-802-16A	NAD
CA	-
021417-802-20B	NAD
PWSC	-
021417-802-19B	P
PWBC	4% CH
021417-802-17C	NAD
PWSC	-
021417-802-18C	NAD
PWBC	-

drawing title <b>SAMPLE LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		date 3/17/17	
mark	date	description	scale 3/32" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-1A
CAD no.	project no.	2257316087	





021417-802-17F	NAD	-
PWSC	-	-
021417-802-18F	NAD	-
PWSC	-	-
021417-802-14B	NAD	-
CA	-	-
021417-802-29B	NAD	-
CB	-	-
021417-802-30B	NAD	-
CBA	-	-
021417-802-31B	NAD	-
FT	-	-
021417-802-32B	NAD	-
FTA	-	-
021417-802-33B	NAD	-
LI	-	-

021417-802-29A	NAD	-
CB	-	-
021417-802-30A	NAD	-
CBA	-	-
021417-802-17E	NAD	-
PWSC	-	-
021417-802-18E	NAD	-
PWSC	-	-
021417-802-31A	NAD	-
FT	-	-
021417-802-32A	NAD	-
FTM	-	-
021417-802-33A	NAD	-
LI	-	-
021417-802-34A	NAD	-
CB	-	-
021417-802-35A	P	3% CH
CBA	-	-
021417-802-34B	NAD	-
CB	-	-
021417-802-35B	P	2% CH
CBA	-	-

021417-802-25A	P	40% CH
PI	-	-
021417-802-26A	P	38% CH
PF	-	-
021417-802-19C	P	4% CH
PCSC	-	-
021417-802-20C	NAD	-
PCBC	-	-

021417-802-25B	P	50% CH
PI	-	-
021417-802-26B	P	40% CH
PF	-	-
021417-802-19D	P	4% CH
PCSC	-	-
021417-802-20D	NAD	-
PCBC	-	-

021417-802-19E	P	8% CH
PCSC	-	-
021417-802-20E	NAD	-
PCBC	-	-

021417-802-25C	P	40% CH
P	-	-

### SAMPLE LEGEND

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF1	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM BLACK WATERPROOFING EXTERIOR WALL
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

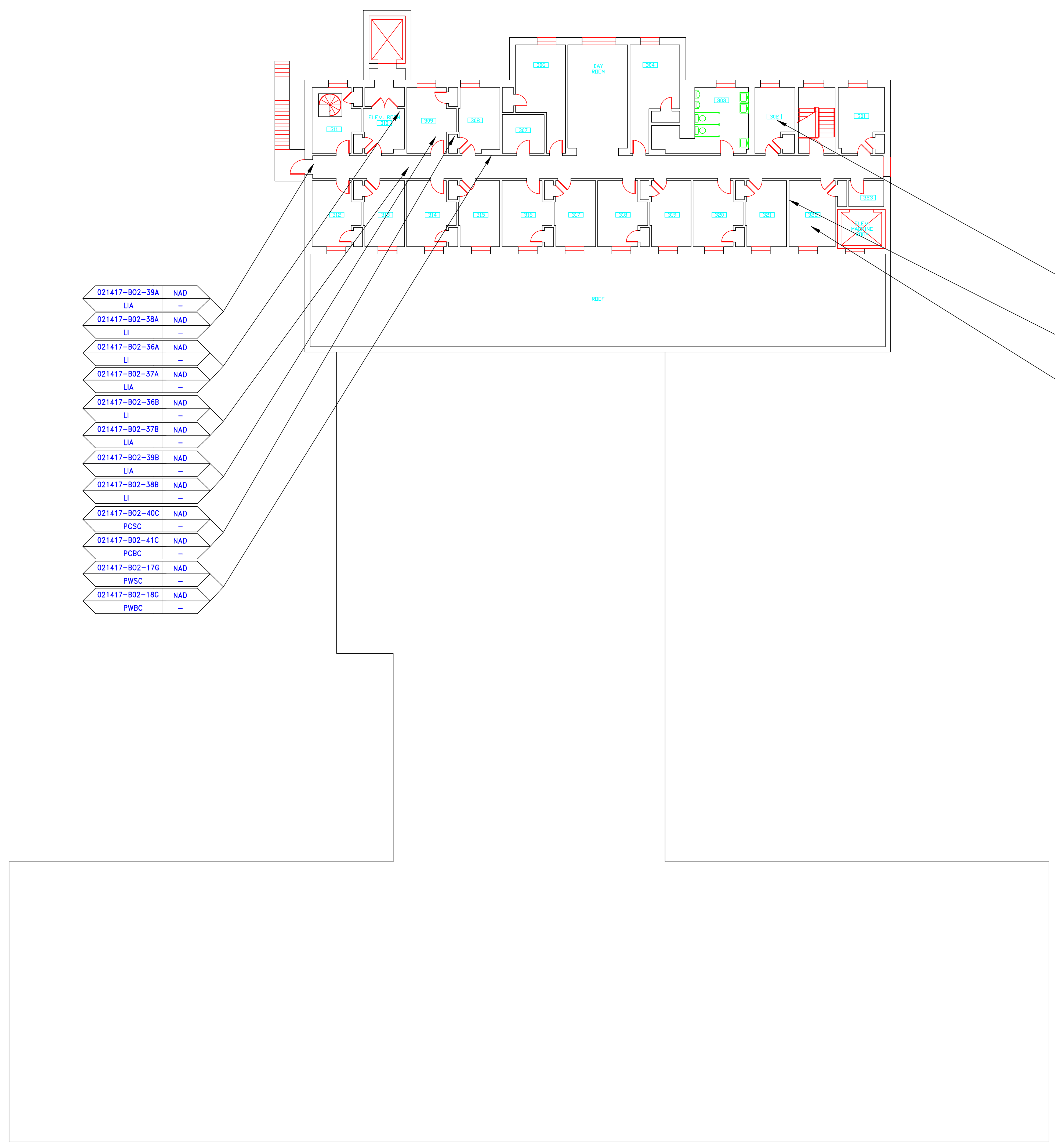
**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title	SAMPLE LOCATION SECOND FLOOR PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES
mark	date	description	date
			3/17/17
project	BUILDING INSPECTION COMMISSARY BUILDING 2 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	project no.	2257316087
scale	3/32" = 1'	drawn by	AMW
approved by	EF	drawing no.	ASB-2A

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BRECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED CEILING COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

021417-802-39A	NAD
LIA	-
021417-802-38A	NAD
LI	-
021417-802-36A	NAD
LI	-
021417-802-37A	NAD
LIA	-
021417-802-36B	NAD
LI	-
021417-802-37B	NAD
LIA	-
021417-802-39B	NAD
LIA	-
021417-802-38B	NAD
LI	-
021417-802-40C	NAD
PCSC	-
021417-802-41C	NAD
PCBC	-
021417-802-17G	NAD
PWSC	-
021417-802-18G	NAD
PWBC	-

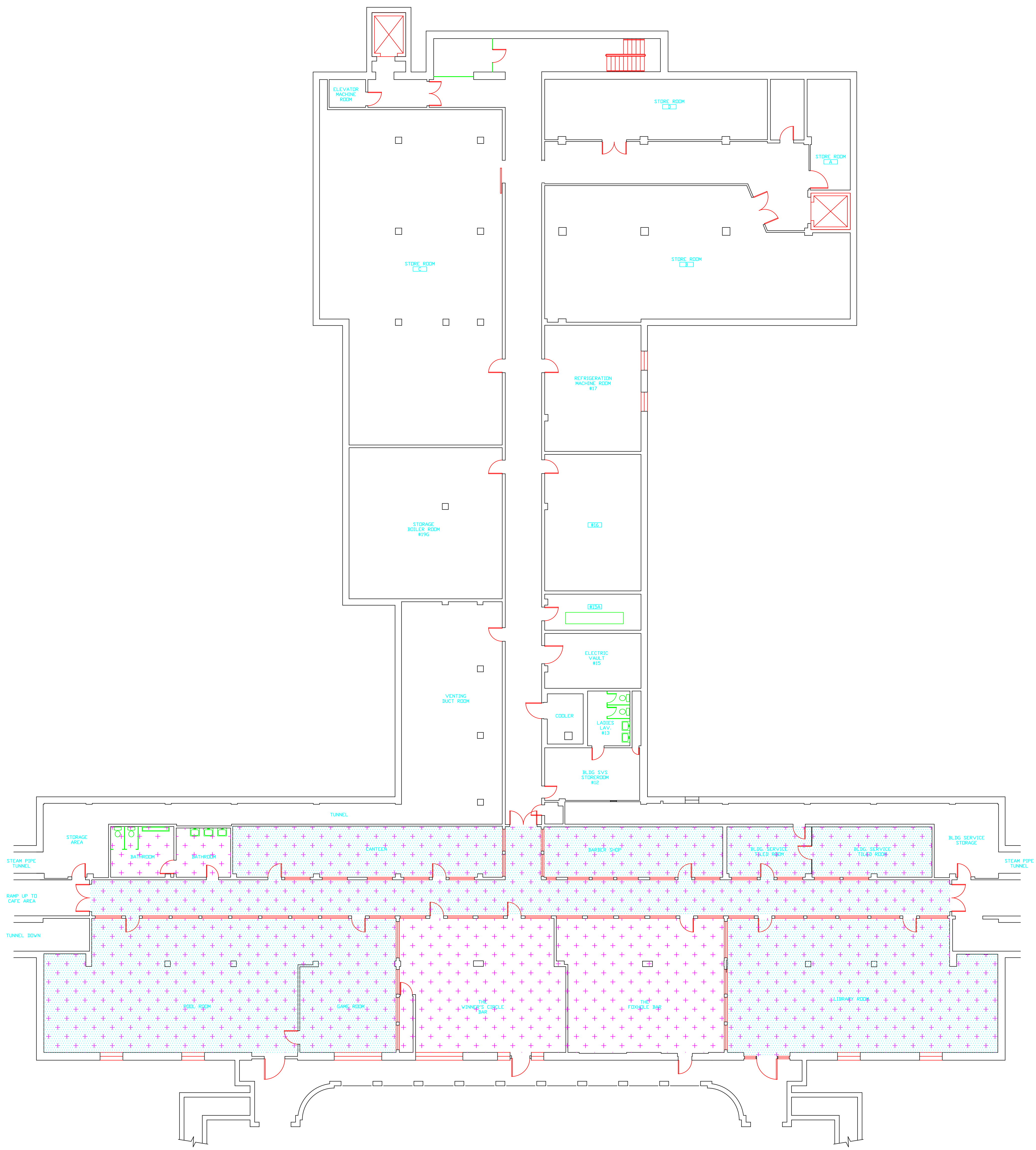
021417-802-40B	NAD
PCSC	-
021417-802-41B	NAD
PCBC	-
021417-802-17H	NAD
PWSC	-
021417-802-18H	NAD
PWBC	-
021417-802-40A	NAD
PCSC	-
021417-802-41A	NAD
PCBC	-



SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM BLACK WATERPROOFING EXTERIOR WALL
[Pattern]	ACM GLUE DAUBS
(DC)	ACM DOOR GLAZE
(DL)	ACM DOOR CAULK
(PI)	ACM PIPE INSULATION
(PFI)	ACM PIPE FITTING INSULATION
(DS)	ACM DUCT SEALANT
(WC)	ACM WINDOW CAULK
(MC)	ACM MISCELLANEOUS CAULK
(WG)	ACM WINDOW GLAZING
(SF)	ACM SHEET FLOORING
(M)	ACM MASTIC ONLY
(JC)	ACM JOINT COMPOUND
(DL)	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION THIRD FLOOR PLAN		ATC 200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-255-3200 Fax: 860-255-3201	
REVISIONS		date	
mark	date	description	date
			3/17/17
project		scale	
BUILDING INSPECTION COMMISSARY BUILDING 2 STATE VETERANS HOME ROCKY HILL, CONNECTICUT		3/32" = 1'	
CAD no.		project no.	
		2257316087	
		drawn by AMW	
		approved by EF	
		drawing no. ASB-3A	



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
	PERCENTAGE AND TYPE OF ASBESTOS
MATERIAL DESCRIPTION	

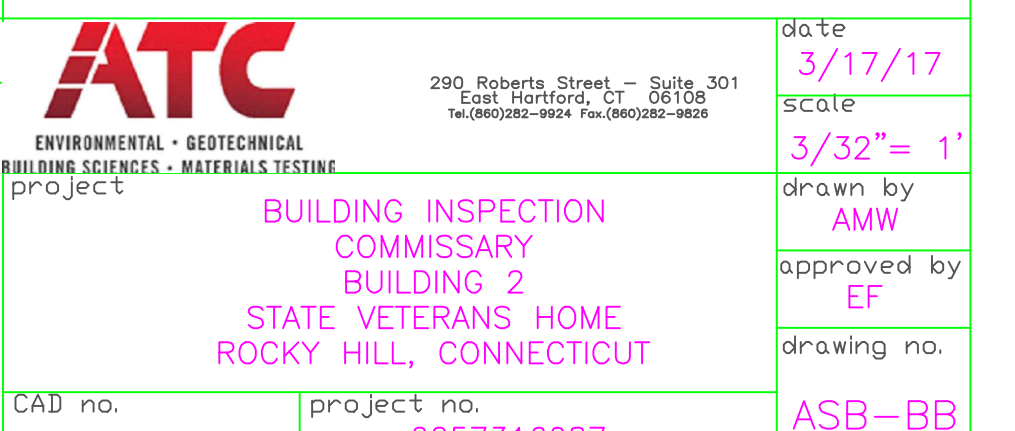
  

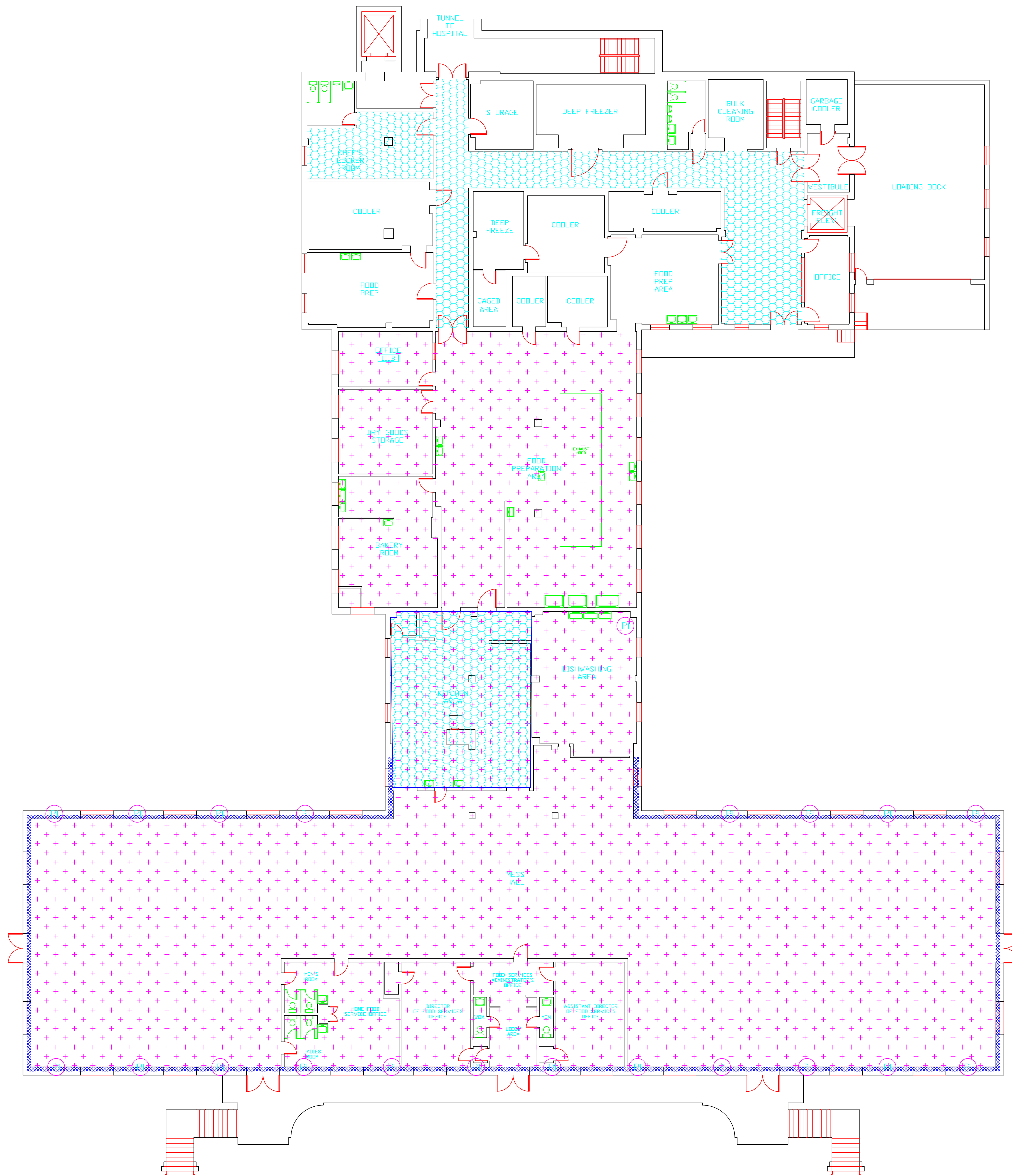
AM	= AMOSITE
BI	= BREACHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LJ	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM Poured FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM BLACK WATERPROOFING EXTERIOR WALL
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>ACM LOCATION BASEMENT PLAN</b>			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS				
mark	date	description		date
				3/17/17
			SCALE	3/32" = 1'
			drawn by	AMW
			approved by	EF
			drawing no.	ASB-BB
CAD no.		project no. 2257316087		





**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPUOND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECF = END CAP PACKING
- ECOS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

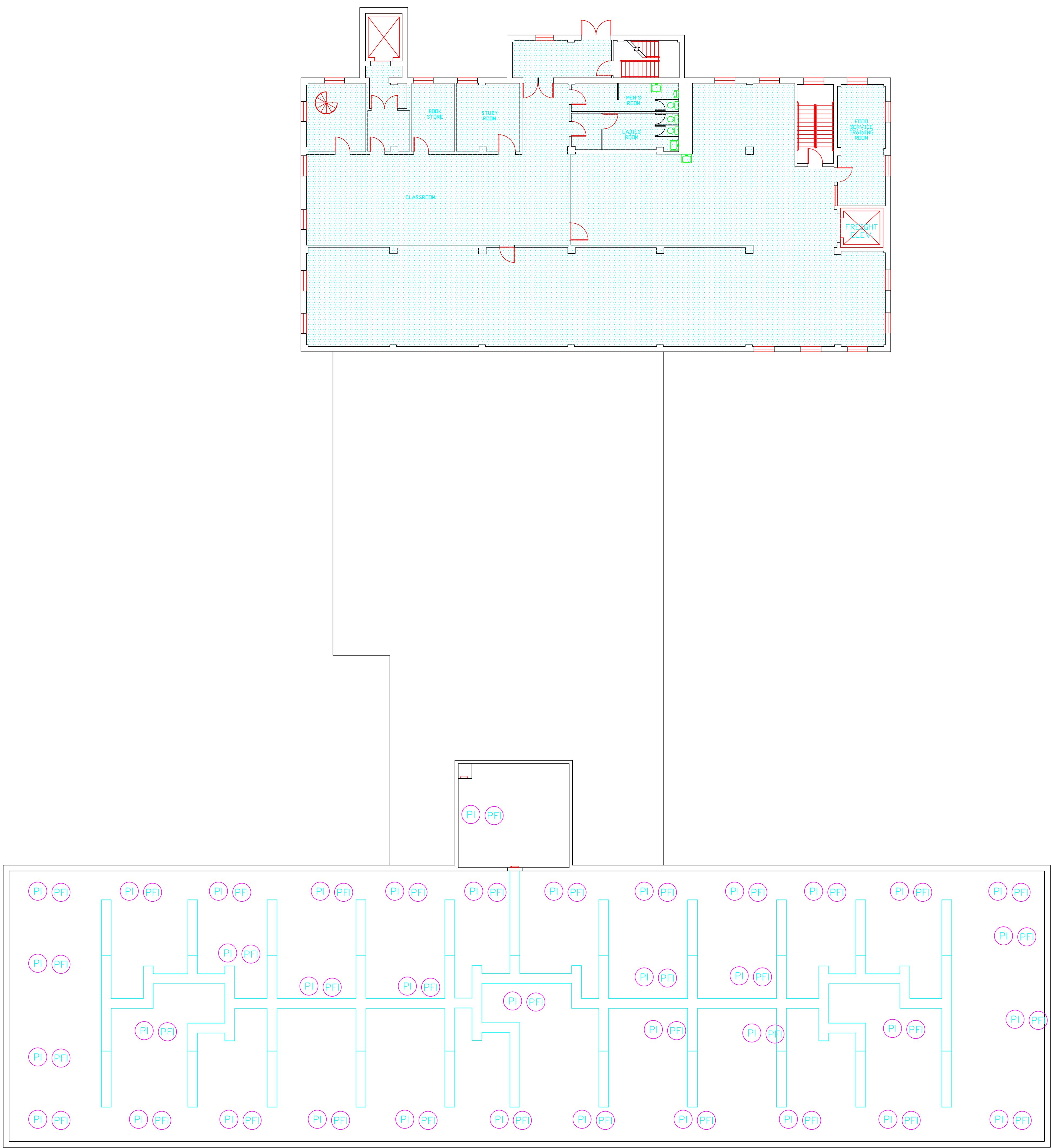
- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATION FIRST FLOOR PLAN		DATE: 3/17/17	
REVISIONS		SCALE: 3/32" = 1'	
mark	date	description	drawn by
			AMW
			approved by
			EF
			drawing no.
			ASB-1B
CAD no.	project no.	2257316087	

290 Roberts Street, Suite 201  
Rocky Hill, CT 06067-2001  
Tel: 860-261-1000 Fax: 860-261-1001

**ATC**  
ENVIRONMENTAL - GEOTECHNICAL  
BUILDING SERVICES - MATERIALS TESTING, INC.

**BUILDING INSPECTION COMMISSARY**  
BUILDING 2  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT

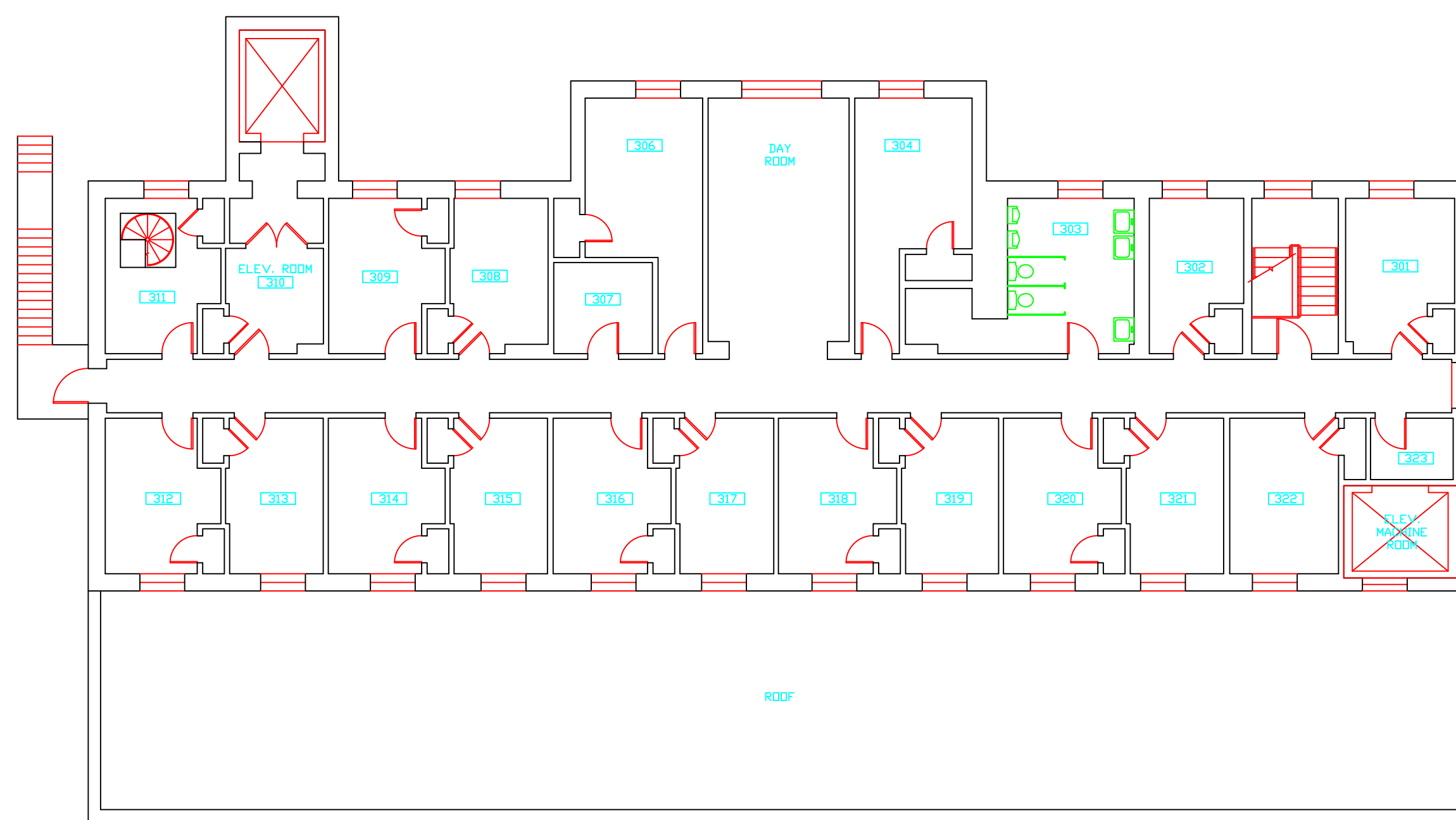


SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BRECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWFA	= CERAMIC WALL TILE ADHESIVE
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CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
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TR	= TRACE
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SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
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[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM BLACK WATERPROOFING EXTERIOR WALL
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATION SECOND FLOOR PLAN		ATC	
REVISIONS		200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-405-2000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION COMMISSARY BUILDING 2 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 3/32"= 1' drawn by AMW
CAD no.	project no.	2257316087	approved by EF drawing no. ASB-2B



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
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GB	= GYPSUM BOARD
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JC	= JOINT COMPOUND
LJ	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
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**NOTES**  
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drawing title <b>ACM LOCATION THIRD FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES		
REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Telephone: 860-405-2000</small>		
mark	date			description
				3/17/17
project		BUILDING INSPECTION COMMISSARY BUILDING 2 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	scale: 3/32"= 1'	drawn by: AMW
CAD no.		project no.	approved by: EF	drawing no. ASB-3B
		2257316087		





ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SCIENCES • MATERIALS TESTING

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
Telephone 860-282-9924  
Fax 860-282-9826  
[www.atcgroupservices.com](http://www.atcgroupservices.com)

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Avenue  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 3  
West Domicile  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53120  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the West Domicile, Building 3, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**

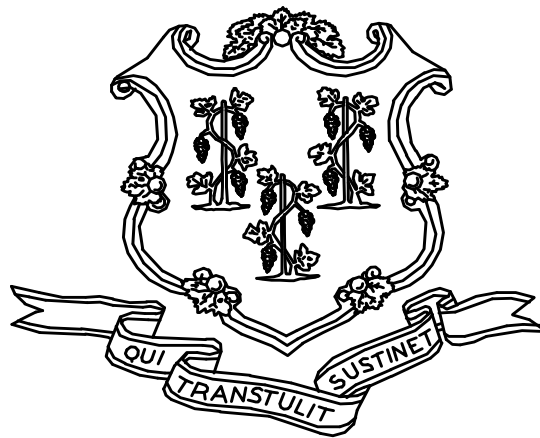
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**WEST DOMICILE  
BUILDING 3  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53120  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the West Domicile, Building 3 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 16, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: floor tile and associated mastic, plaster ceiling, plaster wall, carpet adhesive, cove base and associated adhesive, textured ceiling coating, gypsum board and joint compound.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 12"x12" Off White Mottled Floor Tile and Associated Mastic
- Black Adhesive Remnants on 12"x12" Beige Mottled Floor

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall - Skim Coat
- Plaster Wall - Base Coat
- Plaster Ceiling - Brown
- 12"x12" Cream Mottled Floor Tile and Associated Mastic
- 12"x12" Tan Mottled Floor Tile and Associated Mastic
- 12"x12" Beige Mottled Floor Tile and Associated Mastic
- Gypsum Wall Board
- Joint Compound
- Carpet Adhesive for Brown Carpet Square
- 2'x4' Pinhole Fissured Suspended Ceiling Tile (Type I)
- 4" Black Cove Base and Associated Adhesive

- 6" Black Cove Base and Associated Adhesive
- White Textured Ceiling Paint

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 3 – WEST DOMICILE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021617-B03-1A	Murry Office	Plaster Wall - Skim Coat	ND	
021617-B03-1B	Room 126	Plaster Wall - Skim Coat	ND	
021617-B03-1C	Room 228	Plaster Wall - Skim Coat	ND	
021617-B03-1D	Room 207	Plaster Wall - Skim Coat	ND	
021617-B03-1E	Room 213	Plaster Wall - Skim Coat	ND	
021617-B03-1F	Room 113	Plaster Wall - Skim Coat	ND	
021617-B03-1G	Room 108	Plaster Wall - Skim Coat	ND	
021617-B03-2A	Murry Office	Plaster Wall - Base Coat	ND	
021617-B03-2B	Room 126	Plaster Wall - Base Coat	ND	
021617-B03-2C	Room 228	Plaster Wall - Base Coat	ND	
021617-B03-2D	Room 207	Plaster Wall - Base Coat	ND	
021617-B03-2E	Room 213	Plaster Wall - Base Coat	ND	
021617-B03-2F	Room 113	Plaster Wall - Base Coat	ND	
021617-B03-2G	Room 108	Plaster Wall - Base Coat	ND	
021617-B03-3A	Murry Office	Gypsum Wall Board	ND	
021617-B03-3B	Room 127	Gypsum Wall Board	ND	
021617-B03-4A	Murry Office	Joint Compound	ND	
021617-B03-4B	Room 127	Joint Compound	ND	
021617-B03-5A	Murry Office	Carpet Adhesive For Brown Carpet Square	ND	
021617-B03-5B	Room 127	Carpet Adhesive For Brown Carpet Square	ND	



**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 3 – WEST DOMICILE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021617-B03-6A	Murry Office	2'x4' Pinhole Fissured Suspended Ceiling Tile (Type I)	ND	
021617-B03-6B	Room 128	2'x4' Pinhole Fissured Suspended Ceiling Tile (Type I)	ND	
021617-B03-7A	Murry Office	4" Black Cove Base	ND	
021617-B03-7B	Room 127	4" Black Cove Base	ND	
021617-B03-8A	Murry Office	Adhesive for 4" Black Cove Base	ND	
021617-B03-8B	Room 127	Adhesive for 4" Black Cove Base	ND	
021617-B03-9A	Room 130	12"X12" Cream Mottled Floor Tile	ND	
021617-B03-9B	2nd Floor B2	12"X12" Cream Mottled Floor Tile	ND	
021617-B03-10A	Room 130	Adhesive for 12"x12" Cream Mottled Floor Tile	ND	
021617-B03-10B	2nd Floor B2	Adhesive for 12"x12" Cream Mottled Floor Tile	ND	
021617-B03-11A	Hall 102	6" Black Cove Base	ND	
021617-B03-11B	Hall 102	6" Black Cove Base	ND	
021617-B03-12A	Hall 102	Adhesive For 6" Black Cove Base	ND	
021617-B03-12B	Hall 102	Adhesive for 6" Black Cove Base	ND	
<b>021617-B03-13A</b>	<b>Room 127</b>	<b>12"x12" Off White Mottled Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>021617-B03-13B</b>	<b>Room 129</b>	<b>12"x12" Off White Mottled Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>021617-B03-14A</b>	<b>Room 127</b>	<b>Black Mastic for 12"x12" Off White Mottled Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 3 – WEST DOMICILE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
<b>021617-B03-14B</b>	<b>Room 129</b>	<b>Black Mastic for 12"x12" Off White Mottled Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
021617-B03-15A	Room 133	12"x12" Tan Mottled Floor Tile	ND	
021617-B03-15B	Room 133	12"x12" Tan Mottled Floor Tile	ND	
021617-B03-16A	Room 133	Adhesive For 12"x12" Tan Mottled Floor Tile	Not Analyzed	
021617-B03-16B	Room 133	Adhesive For 12"x12" Tan Mottled Floor Tile	ND	
021617-B03-17A	Room 203	12"x12" Beige Mottled Floor Tile	ND	
021617-B03-17B	Room 204	12"x12" Beige Mottled Floor Tile	ND	
021617-B03-18A	Room 203	Yellow Adhesive For 12"x12" Beige Mottled Floor Tile	ND	
021617-B03-18B	Room 204	Yellow Adhesive For 12"x12" Beige Mottled Floor Tile	ND	
<b>021617-B03-19A</b>	<b>Room 203</b>	<b>Black Adhesive Remnants On 12"x12" Beige Mottled Floor</b>	<b>3</b>	<b>Chrysotile</b>
<b>021617-B03-19B</b>	<b>Room 204</b>	<b>Black Adhesive Remnants On 12"x12" Beige Mottled Floor</b>	<b>3</b>	<b>Chrysotile</b>
021617-B03-20A	Room 207	Plaster Ceiling - Brown	ND	
021617-B03-20B	Room 213	Plaster Ceiling - Brown	ND	
021617-B03-20C	Room 215	Plaster Ceiling - Brown	ND	
021617-B03-20D	Room 229	Plaster Ceiling - Brown	ND	
021617-B03-20E	Room 233	Plaster Ceiling - Brown	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 3 – WEST DOMICILE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021617-B03-21A	Room 207	White Textured Ceiling Paint	ND	
021617-B03-21B	Room 213	White Textured Ceiling Paint	ND	
021617-B03-21C	Room 215	White Textured Ceiling Paint	ND	
021617-B03-21D	Room 229	White Textured Ceiling Paint	Not Analyzed	
021617-B03-21E	Room 233	White Textured Ceiling Paint	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



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<b>EMSL Order:</b> 031705761
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** ATC Group Services LLC  
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**Collected Date:** 03/03/2017

**Project:** 2257316087/ CTDCS/ BLDG 3/ VETERANS HOME/ ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021617-B03-1A 031705761-0001	MURRY OFFICE - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021617-B03-1B 031705761-0002	ROOM 126 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021617-B03-1C 031705761-0003	ROOM 228 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
021617-B03-1D 031705761-0004	ROOM 207 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021617-B03-1E 031705761-0005	ROOM 213 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021617-B03-1F 031705761-0006	ROOM 113 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
021617-B03-1G 031705761-0007	ROOM 108 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
021617-B03-2A 031705761-0008	MURRY OFFICE - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 20% Gypsum 35% Non-fibrous (Other)	None Detected
021617-B03-2B 031705761-0009	ROOM 126 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 25% Gypsum 30% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021617-B03-2C 031705761-0010	ROOM 228 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		40% Quartz 25% Gypsum 35% Non-fibrous (Other)	None Detected
021617-B03-2D 031705761-0011	ROOM 207 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		50% Quartz 30% Gypsum 20% Non-fibrous (Other)	None Detected
021617-B03-2E 031705761-0012	ROOM 213 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		50% Quartz 25% Gypsum 25% Non-fibrous (Other)	None Detected
021617-B03-2F 031705761-0013	ROOM 113 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 20% Gypsum 35% Non-fibrous (Other)	None Detected
021617-B03-2G 031705761-0014	ROOM 108 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		25% Quartz 12% Ca Carbonate 44% Gypsum 19% Non-fibrous (Other)	None Detected
021617-B03-3A 031705761-0015	MURRY OFFICE - GYPSUM WALL BOARD	Gray Non-Fibrous Homogeneous	8% Cellulose	65% Gypsum 27% Non-fibrous (Other)	None Detected
021617-B03-3B 031705761-0016	ROOM 127 - GYPSUM WALL BOARD	Gray Non-Fibrous Homogeneous	6% Cellulose	75% Gypsum 19% Non-fibrous (Other)	None Detected
021617-B03-4A 031705761-0017	MURRY OFFICE - JOINT COMPOUND	White Non-Fibrous Homogeneous		70% Ca Carbonate 3% Mica 27% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021617-B03-4B 031705761-0018	ROOM 127 - JOINT COMPOUND	White Non-Fibrous Homogeneous		63% Ca Carbonate 37% Non-fibrous (Other)	None Detected
021617-B03-5A 031705761-0019	MURRY OFFICE - CARPET ADHESIVE FOR BROWN CARPET SQUARE	Green Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021617-B03-5B 031705761-0020	ROOM 127 - CARPET ADHESIVE FOR BROWN CARPET SQUARE	Green Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
021617-B03-6A 031705761-0021	MURRY OFFICE - 2'X4' PINHOLE FISSURED SUSPENDED CEILING TILE (TYPE I)	Tan Fibrous Homogeneous	60% Cellulose 3% MinWool	25% Perlite 12% Non-fibrous (Other)	None Detected
021617-B03-6B 031705761-0022	ROOM 128 - 2'X4' PINHOLE FISSURED SUSPENDED CEILING TILE (TYPE I)	Brown Non-Fibrous Homogeneous	37% Cellulose 30% MinWool	16% Perlite 17% Non-fibrous (Other)	None Detected
021617-B03-7A 031705761-0023	MURRY OFFICE - 4" BLACK COVE BASE	Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
021617-B03-7B 031705761-0024	ROOM 127 - 4" BLACK COVE BASE	Black Non-Fibrous Homogeneous		12% Ca Carbonate 88% Non-fibrous (Other)	None Detected
021617-B03-8A 031705761-0025	MURRY OFFICE - ADHESIVE FOR 4" BLACK COVE BASE	Tan Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
021617-B03-8B 031705761-0026	ROOM 127 - ADHESIVE FOR 4" BLACK COVE BASE	Beige Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
021617-B03-9A 031705761-0027	ROOM 130 - 12"X12" CREAM MOTTLED FLOOR TILE	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
021617-B03-9B 031705761-0028	2ND FL B2 - 12"X12" CREAM MOTTLED FLOOR TILE	White Non-Fibrous Homogeneous		14% Quartz 86% Non-fibrous (Other)	None Detected
021617-B03-10A 031705761-0029	ROOM 130 - ADHESIVE FOR 12"X12" CREAM MOTTLED FLOOR TILE	Yellow Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021617-B03-10B 031705761-0030	2ND FL B2 - ADHESIVE FOR 12"X12" CREAM MOTTLED FLOOR TILE	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
021617-B03-11A 031705761-0031	HALL 102 - 6" BLACK COVE BASE	Black Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
021617-B03-11B 031705761-0032	HALL 102 - 6" BLACK COVE BASE	Black Non-Fibrous Homogeneous		33% Ca Carbonate 67% Non-fibrous (Other)	None Detected
021617-B03-12A 031705761-0033	HALL 102 - ADHESIVE FOR 6" BLACK COVE BASE	Clear Non-Fibrous Homogeneous	10% Cellulose 5% Synthetic	85% Non-fibrous (Other)	None Detected
021617-B03-12B 031705761-0034	HALL 102 - ADHESIVE FOR 6" BLACK COVE BASE	Clear Non-Fibrous Homogeneous	3% Cellulose 2% Hair	95% Non-fibrous (Other)	None Detected
021617-B03-13A 031705761-0035	RM 127 - 12"X12" OFF WHITE MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous		15% Quartz 83% Non-fibrous (Other)	2% Chrysotile
021617-B03-13B 031705761-0036	RM 129 - 12"X12" OFF WHITE MOTTLED FLOOR TILE	White Non-Fibrous Homogeneous		10% Quartz 88% Non-fibrous (Other)	2% Chrysotile
021617-B03-14A 031705761-0037	RM 127 - BLACK MASTIC FOR 12"X12" OFF WHITE MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous	4% Cellulose	93% Non-fibrous (Other)	3% Chrysotile
021617-B03-14B 031705761-0038	RM 129 - BLACK MASTIC FOR 12"X12" OFF WHITE MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous	5% Cellulose	92% Non-fibrous (Other)	3% Chrysotile
021617-B03-15A 031705761-0039	RM 133 - 12"X12" TAN MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021617-B03-15B 031705761-0040	RM 133 - 12"X12" TAN MOTTLED FLOOR TILE	White Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
021617-B03-16A 031705761-0041	RM 133 - ADHESIVE FOR 12"X12" TAN MOTTLED FLOOR TILE				Not Submitted
021617-B03-16B 031705761-0042	RM 133 - ADHESIVE FOR 12"X12" TAN MOTTLED FLOOR TILE	Yellow Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
021617-B03-17A 031705761-0043	RM 203 - 12"X12" BEIGE MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
021617-B03-17B 031705761-0044	RM 204 - 12"X12" BEIGE MOTTLED FLOOR TILE	Beige Non-Fibrous Homogeneous		13% Quartz 87% Non-fibrous (Other)	None Detected
021617-B03-18A 031705761-0045	RM 203 - YELLOW ADHESIVE FOR 12"X12" BEIGE MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
021617-B03-18B 031705761-0046	RM 204 - YELLOW ADHESIVE FOR 12"X12" BEIGE MOTTLED FLOOR TILE	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
021617-B03-19A 031705761-0047	RM 203 - BLACK ADHESIVE REMNANTS ON 12"X12" BEIGE MOTTLED FLOOR	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
021617-B03-19B 031705761-0048	RM 204 - BLACK ADHESIVE REMNANTS ON 12"X12" BEIGE MOTTLED FLOOR	Black Non-Fibrous Homogeneous	4% Cellulose	93% Non-fibrous (Other)	3% Chrysotile
021617-B03-20A 031705761-0049	RM 207 - PLASTER CEILING - BROWN	White Non-Fibrous Homogeneous		50% Quartz 20% Gypsum 30% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021617-B03-20B 031705761-0050	RM 213 - PLASTER CEILING - BROWN	White Non-Fibrous Homogeneous		55% Quartz 15% Gypsum 30% Non-fibrous (Other)	None Detected
021617-B03-20C 031705761-0051	RM 215 - PLASTER CEILING - BROWN	Brown Non-Fibrous Homogeneous		50% Quartz 30% Gypsum 20% Non-fibrous (Other)	None Detected
021617-B03-20D 031705761-0052	RM 229 - PLASTER CEILING - BROWN	Brown Non-Fibrous Homogeneous		40% Quartz 35% Gypsum 25% Non-fibrous (Other)	None Detected
021617-B03-20E 031705761-0053	RM 233 - PLASTER CEILING - BROWN	White Non-Fibrous Homogeneous		47% Ca Carbonate 15% Gypsum 38% Non-fibrous (Other)	None Detected
021617-B03-21A 031705761-0054	RM 207 - WHITE TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
021617-B03-21B 031705761-0055	RM 213 - WHITE TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
021617-B03-21C 031705761-0056	RM 215 - WHITE TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous	<1% Fibrous_Other	20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
021617-B03-21D 031705761-0057	RM 229 - WHITE TEXTURED CEILING PAINT				Insufficient Material
021617-B03-21E 031705761-0058	RM 233 - WHITE TEXTURED CEILING PAINT	Brown Non-Fibrous Homogeneous		35% Quartz 14% Ca Carbonate 26% Gypsum 25% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Initial report from: 03/07/2017 10:22:10



**EMSL Analytical, Inc.**

307 West 38th Street New York, NY 10018  
Tel/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705761  
**Customer ID:** ATCE54  
**Customer PO:** 17-10133-0001  
**Project ID:**

**Attention:** ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/04/2017 11:00 AM  
**Analysis Date:** 03/06/2017 - 03/07/2017  
**Collected Date:** 03/03/2017  
**Project:** 2257316087/ CTDCS/ BLDG 3/ VETERANS HOME/ ROCKY HILL CT

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 03/04/2017      Sample Receipt Time: 11:00 AM  
Analysis Completed Date: 03/07/2017      Analysis Completed Time: 5:46 AM

**Analyst(s):**

Deen Liang PLM (23)

Yolanda Chow PLM (33)

**Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Initial report from: 03/07/2017 10:22:10

031705761

# BULK SAMPLE LOG

EMSL MANHATTAN LAB  
RECEIVED

Client Name: Alisa Weist  
 Project No./Task No.: 736  
 Project Manager: E. Fennell  
 Requested Completion Date: \_\_\_\_\_  
 Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 5 DY 5 DY  
 No. Samples Collected: 508

Building: Bldg 3 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
MURRY OFFICE	Plaster wall - skim coat	S				2	021617-803-1A
Room 126	"					3	1B
Room 228	"					4	1C
Room 207	"					5	1D
Room 213	"					6	1E
Room 113	"					7	1F
Room 109	"						1G
MURRY OFFICE	Plaster wall - Base coat					2	2A
Room 126	"					3	2B
Room 278	"					4	2C
Room 207	"					5	2D
Room 213	"					6	2E
Room 113	"					7	2F
Room 108	"						2G

Comments: PLM

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight) Deterioration (heavy-moderate-light-none)  
 Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music rm-auditorium-mechanical-rm-elevator-other) Friability (yes-no; hard-mod-soft surface)  
 Ventilation (yes-no-if yes, type) Air conduits (air plenum - air shaft - other) Air movement (high-moderate-low) Barriers (perm airtight-enclosed-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Jan Weist 3-2-17 Received By/Date: Nicoles 3/3/17 11 AM  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

FX 8109 aryo 2232 YC 3/6/17 3:34 PM  
 02 3/7/17  
 547A



**BULK SAMPLE LOG**

EMSL MANHATTAN LAB  
RECEIVED

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Page 2 of 4

031705761

Cardio ATC Inspector: <u>Alicia Weist</u>		Client Name: <u>CTD &amp; MAR - 3 AM 11:01</u>					
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>					
Survey Date: <u>2-16-17</u>		Project Manager: <u>E. Fennell</u>					
Signature: <u>Alan Weist</u>		Requested Completion Date: <u>3 DY 48 HR</u>					
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) <u>3 HR</u> 6 HR 24 HR 48 HR 5 DY					
Building: <u>Bldg 3</u>		Address: <u>Veterans Home, Rocky Hill CT</u>					
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Murray Office Room 127	gypsum wall board	Misc				1	021617-1203-3A
Murray Office Room 127	Joint compound					2	3B
Murray Office Room 1207	carpet adhesive for brown carpet square					1	4A
Murray Office Room 126	2x4 pinhole fissured suspended ceiling tile (Type F)					2	4B
Murray Office Room 127	4" black cover bars					1	5A
Murray Office Room 127	adhesive for 4" black cover bars					2	5B
Murray Office Room 130	12" x 12" cream matted floor tile					1	6A
Murray Office Room 130	adhesive for 12" x 12" cream matted floor tile					2	6B
Murray Office Room 130						1	7A
Murray Office Room 130						2	7B
Murray Office Room 130						1	8A
Murray Office Room 130						2	8B
Murray Office Room 130						1	9A
Murray Office Room 130						2	9B
Murray Office Room 130						1	10A
Murray Office Room 130						2	10B

Comments: PLAN

Notes:

Damage Factors: Physical (sig ding-ding-no dmg) Proximity (<4ft-4.6ft->6ft) Ventilation (yes-no; if yes, type)

Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within-reach-barely-reachable-not-reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)

Stability (yes-no; hard-mod-soft surfaces) Barriers (perm. airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alan Weist 3-2-17

Relinquished By/Date: Nicole S 3/3/17 11 AM

Received By/Date: Alan Weist 3/16/17 3:34 PM



**BULK SAMPLE LOG**  
 EMSL MANHATTAN LAB  
 RECEIVED

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Werst  
 Accreditation No.: 736  
 Survey Date: 2-16-17  
 Signature: Alisa Werst  
 Lab Name: EMSL  
 Building: Bldg 3

Client Name: CT Dept of Health - 3 AMH: 01  
 Project No./Task No.: 2257316087  
 Project Manager: E. Fennell  
 Requested Completion Date: 5 DY

Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 5 DY

Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Hall 102	6" black core base	Misc				1	021617-Bo3 11A
Room 102	adhesive for "	"				2	11B
Hall 102	"	"				1	12A
Room 127	12" x 12" off white mottled floor tile	"				2	12B
Room 129	"	"				1	13A
Room 127	Black mastic for "	"				2	13B
Room 129	"	"				1	14A
Room 133	12" x 12" tan mottled floor tile	"				2	14B
Room 133	adhesive for "	"				1	15A
Room 133	"	"				2	15B
Room 133	yellow adhesive for "	"				1	16A
Room 203	"	"				2	16B
Room 204	"	"				1	17A
Room 203	"	"				2	17B
Room 204	"	"				1	18A
Room 204	"	"				2	18B

Comments: PLM

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft.-1.6ft.->6ft) Ventilation (yes-no; If yes, type) Relinquished By/Date: Alisa Werst 3-2-17

Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Relinquished By/Date: Nicole S 11:30 AM 3/3/17

Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) All movement (high-moderate-low) Received By/Date: OC 3/7/17 5:07 PM

Fraility (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)



# BULK SAMPLE LOG

EMSL MANHATTAN LAB  
RECEIVED

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Werst  
 Accreditation No.: 736  
 Survey Date: 2-16-17  
 Signature: AMM WERST  
 Lab Name: EMSL  
 Building: Bldg 3  
 Client Name: CIT DRG Sg AM 11:01  
 Project No./Task No.: 2257316087  
 Project Manager: E. Fennell  
 Requested Completion Date: \_\_\_\_\_  
 Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 5 DY 5 DY  
 No. Samples Collected: 28  
 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Room 203	Black adhesive Remnants	Misc				1 2	021617-19A
Room 204	12" x 12" Beige Matted Floor	Misc				2 5	19B
Room 207	Plaster ceiling - Brown	S				2 5	20A
215	"	"				3 4	20B
229	"	"				5	20C
233	"	"				5	20D
207	White textured ceiling					1 5	21A
213	paint					3 4	21B
215	"					5	21C
229	"					5	22D
233	"					5	22E

PCM

Comments:

Notes: \_\_\_\_\_  
 Damage Factors: \_\_\_\_\_  
 Disruptance Factors: \_\_\_\_\_  
 Physical (sig dmg-dmg-no dmg) \_\_\_\_\_  
 Water (extensive-moderate-slight) \_\_\_\_\_  
 Accessibility (within-reach-barely) \_\_\_\_\_  
 Proximity (<4ft-4.6ft->6ft) \_\_\_\_\_  
 Ventilation (yes-no; if yes, type) \_\_\_\_\_  
 Air shaft - elevator shaft - duct \_\_\_\_\_  
 Deterioration (heavy-moderate-light-none) \_\_\_\_\_  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) \_\_\_\_\_  
 Air movement (high-moderate-low) \_\_\_\_\_  
 Friability (yes-no; hard-mod-soft surface) \_\_\_\_\_  
 Barrier (perm airtight-enclosed-encapsulated) \_\_\_\_\_  
 Texture (rough-pitted-moderate-smooth) \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_

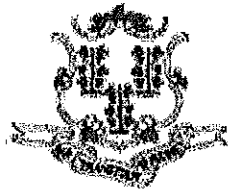
Received By/Date: AMM WERST  
 Received By/Date: 3-2-17

AC 2/27/17  
 347 AM  
 YC 3/6/17  
 3:39 PM

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---





State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

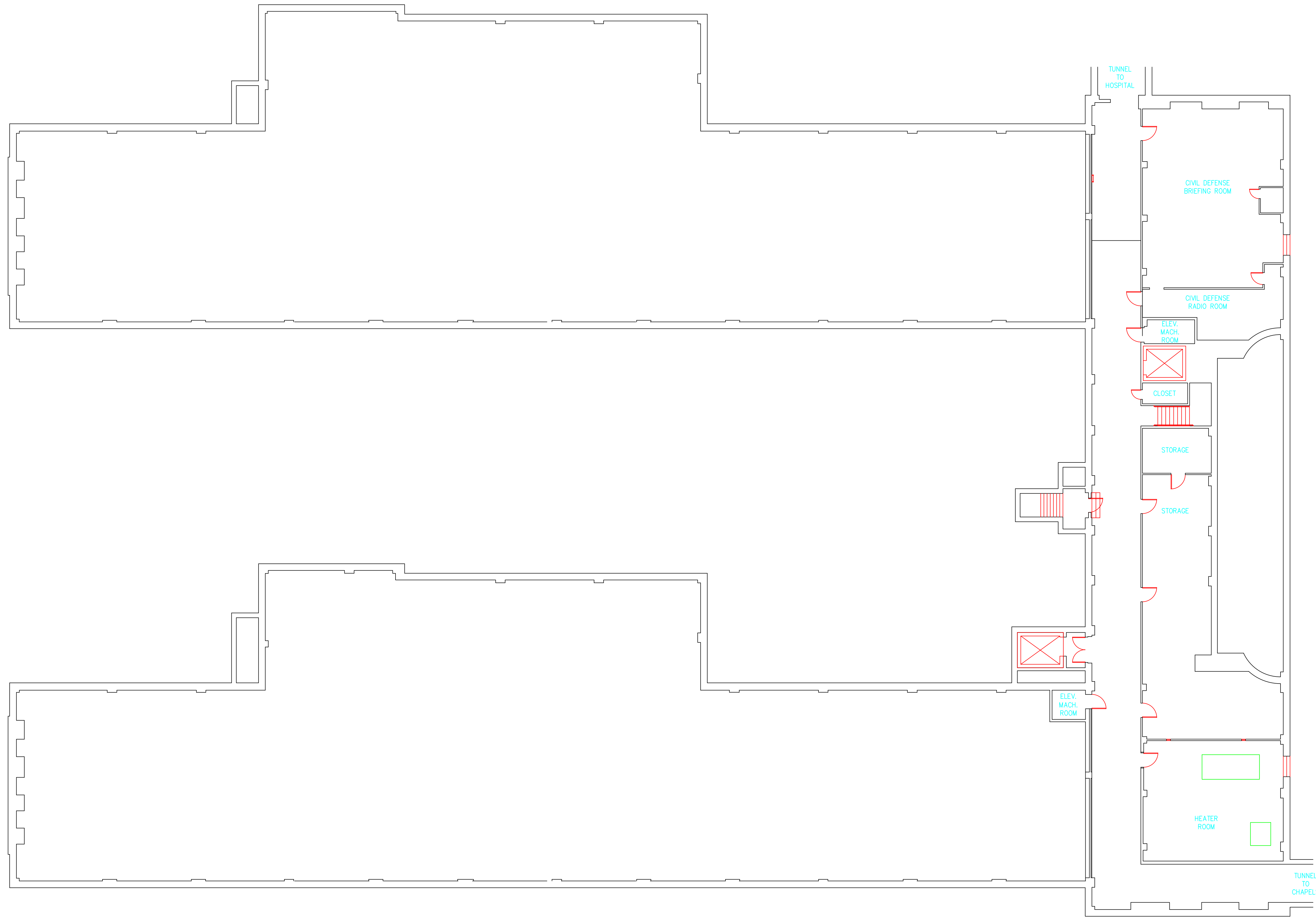
Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**



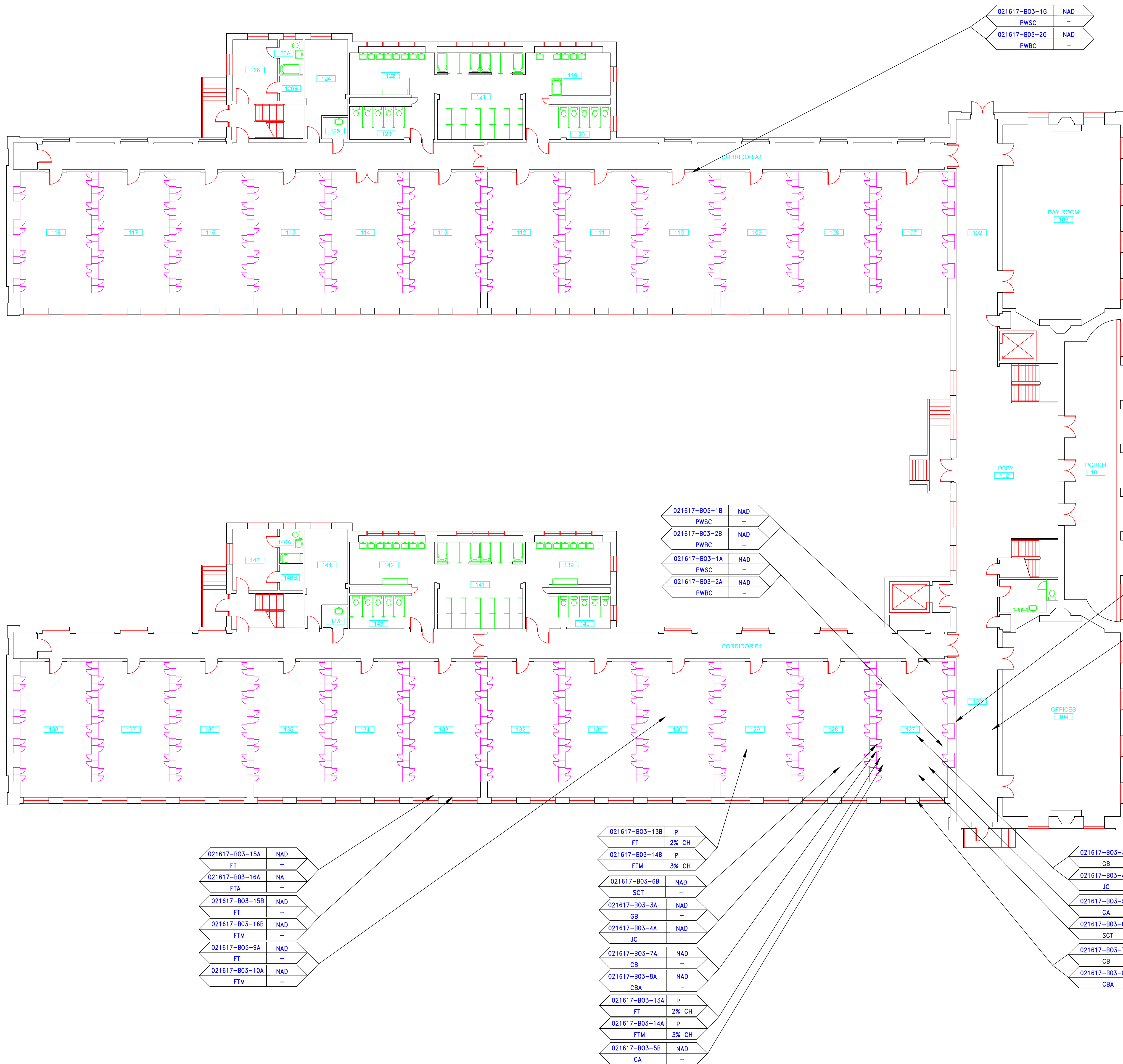


SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EFJ	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>SAMPLE LOCATION BASEMENT PLAN</b>		<b>ATC</b>	
REVISIONS		200 Roberts Street - Suite 301 West Hartford, CT 06106 Tel: 860-234-3000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION WEST DOMICILE BUILDING 3 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	scale: 3/32" = 1'
CAD no.		project no.	drawn by AMW
		2257316087	approved by EF
			drawing no. ASB-BA



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
←	←
→	→

**MATERIAL DESCRIPTION**      **PERCENTAGE AND TYPE OF ASBESTOS**

AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CTG	=	CERAMIC FLOOR TILE GROUT
CTFG	=	CERAMIC FLOOR TILE GROUT
CTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
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CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
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FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPNUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
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WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
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[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
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[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
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[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

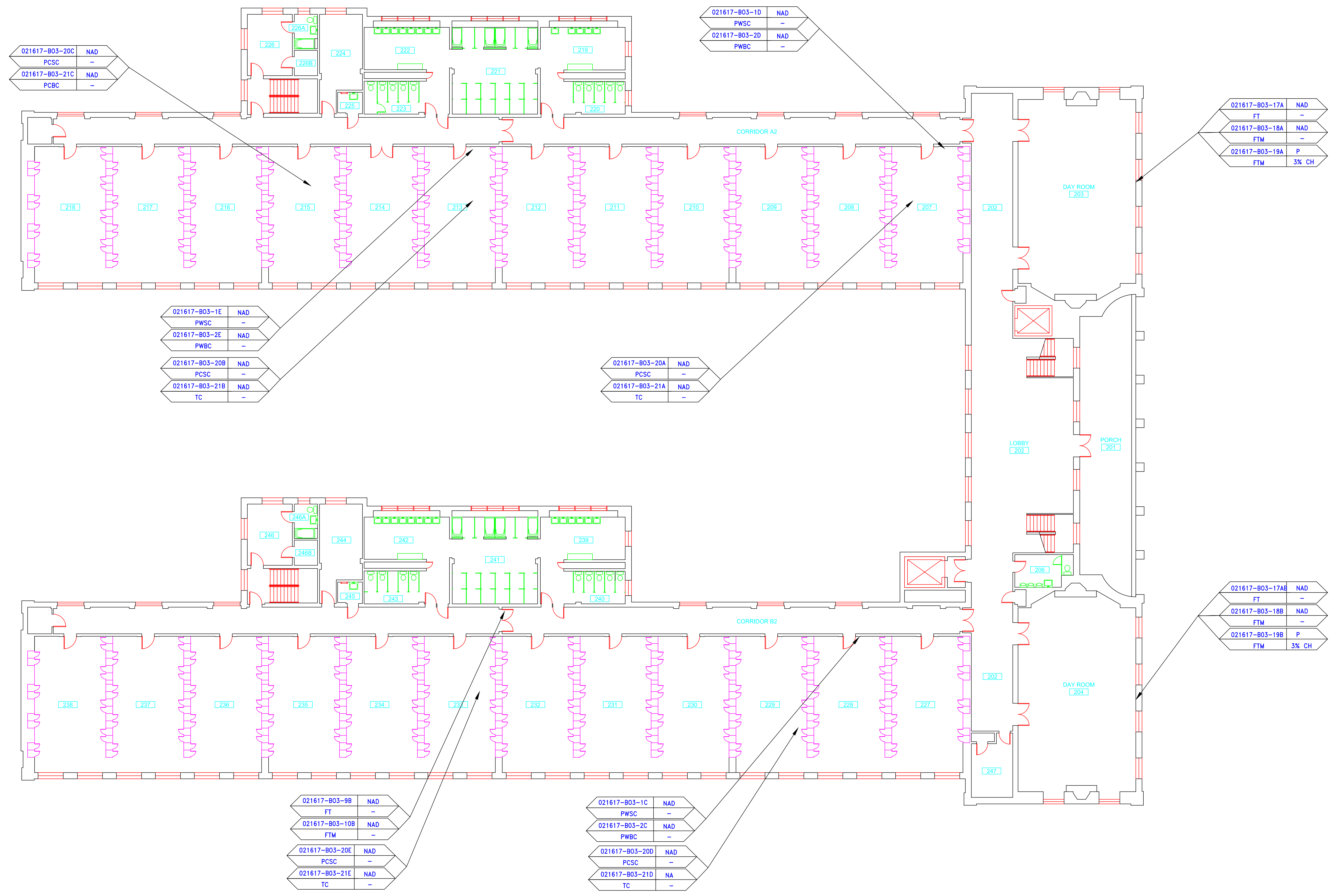
**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

021617-803-15A	NAD
FT	-
021617-803-16A	NA
FTA	-
021617-803-15B	NAD
FT	-
021617-803-16B	NAD
FTM	-
021617-803-9A	NAD
FT	-
021617-803-10A	NAD
FTM	-

021617-803-13B	P
FT	2% CH
021617-803-14B	P
FTM	3% CH
021617-803-6B	NAD
SCT	-
021617-803-3A	NAD
GB	-
021617-803-4A	NAD
JC	-
021617-803-7A	NAD
CB	-
021617-803-8A	NAD
CBA	-
021617-803-13A	P
FT	2% CH
021617-803-14A	P
FTM	3% CH
021617-803-5B	NAD
CA	-

021617-803-3A	NAD
GB	-
021617-803-4A	NAD
JC	-
021617-803-5A	NAD
CA	-
021617-803-6A	NAD
SCT	-
021617-803-7A	NAD
CB	-
021617-803-8A	NAD
CBA	-

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION FIRST FLOOR PLAN		ATC 200 Roberts Street • Suite 301 East Windsor, CT 06026 Environmental - Geotechnical Engineering - Material Science	
REVISIONS		date	
mark	date	description	date
			3/17/17
project		scale	
BUILDING INSPECTION WEST DOMICILE BUILDING 3 STATE VETERANS HOME ROCKY HILL, CONNECTICUT		3/32" = 1'	
drawing no.		approved by	
ASB-1A		EF	
project no.		drawing no.	
2257316087		ASB-1A	

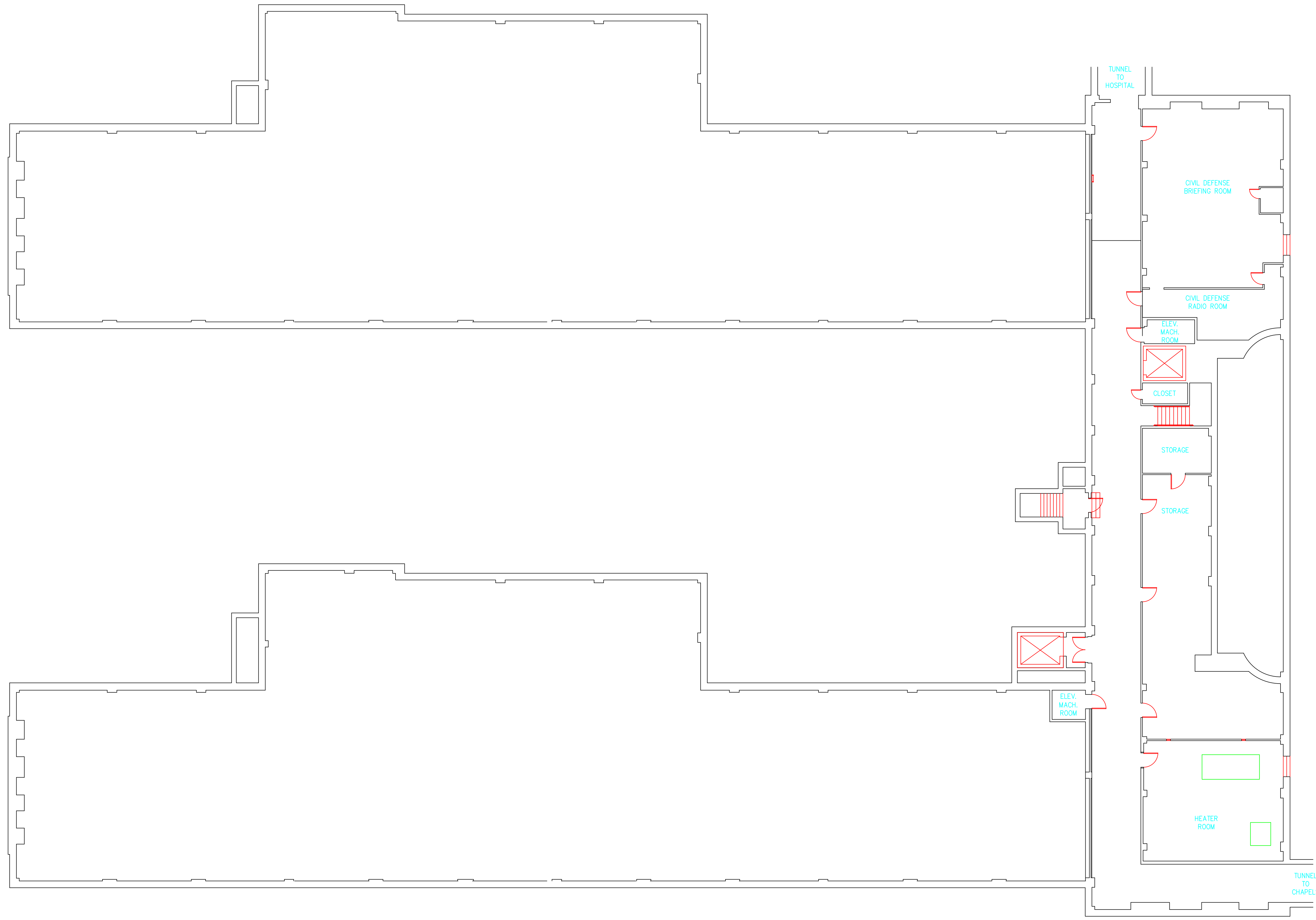


SAMPLE IDENTIFICATION		SAMPLE RESULT	
MATERIAL DESCRIPTION		PERCENTAGE AND TYPE OF ASBESTOS	
AM	=	AMOSITE	
BI	=	BREECING INSULATION	
CA	=	CARPET ADHESIVE	
CB	=	COVE BASE	
CBA	=	COVE BASE ADHESIVE	
CC	=	CEMENTITIOUS CEILING	
CFTA	=	CERAMIC FLOOR TILE ADHESIVE	
CTG	=	CERAMIC FLOOR TILE GROUT	
CTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND	
CH	=	CHRYSOTILE	
CO	=	COUNTERTOP	
CT	=	CEILING TILE	
CWTA	=	CERAMIC WALL TILE ADHESIVE	
CWTG	=	CERAMIC WALL TILE GROUT	
CWTC	=	CERAMIC WALL TILE SETTING COMPOUND	
DC	=	DOOR CAULKING	
DG	=	DOOR GLAZING	
DI	=	DUCT INSULATION	
DIA	=	DUCT INSULATION ADHESIVE	
DIW	=	DUCT INSULATION WRAP	
DS	=	DUCT SEALANT	
ECP	=	END CAP PACKING	
ECS	=	END CAP SEALANT	
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM	
EJF	=	EXPANSION JOINT FILLER	
FC	=	FLEX CONNECTOR	
FP	=	SPRAY-ON FIREPROOFING	
FT	=	FLOOR TILE	
FTM	=	FLOOR TILE MASTIC	
GB	=	GYPSON BOARD	
GD	=	GLUE DAUB	
JC	=	JOINT COMPOUND	
LI	=	LINOLEUM	
LIA	=	LINOLEUM ADHESIVE	
LV	=	LEVELING COMPOUND	
MA	=	MISCELLANEOUS ADHESIVE	
MC	=	MISCELLANEOUS CAULKING	
MM	=	MISCELLANEOUS MATERIAL	
MS	=	MISCELLANEOUS SEALANT	
N	=	NEGATIVE	
NA	=	NOT ANALYZED	
NAD	=	NO ASBESTOS DETECTED	
NAPS	=	NOT ANALYZED POSITIVE STOP	
P	=	POSITIVE	
PF	=	POURED FLOORING	
PI	=	PIPE FITTING INSULATION	
PII	=	PIPE INSULATION	
PIA	=	PIPE INSULATION ADHESIVE	
PLCB	=	PLASTER CEILING BASE COAT	
PLCS	=	PLASTER CEILING SKIM COAT	
PLWB	=	PLASTER WALL BASE COAT	
PLWS	=	PLASTER WALL SKIM COAT	
PM	=	PIPE MASTIC	
PS	=	PENETRATION SEALANT	
PSI	=	PERIMETER SLAB INSULATION	
PW	=	PIPE WRAP	
SCT	=	SUSPENDED CEILING TILE	
SU	=	SINK UNDERCOAT	
T	=	TRANSITE	
TC	=	TEXTURED COATING	
TR	=	TRACE	
VB	=	VAPOR BARRIER	
WC	=	WINDOW CAULKING	
WF	=	WALL FLASHING	
WG	=	WINDOW GLAZING	
WP	=	WATERPROOFING	
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[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
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 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 201 East Windsor, CT 06026 Tel: 860-405-2000 Fax: 860-405-2001	
mark	date	description	date
			3/17/17
		project	scale 3/32" = 1'
		project	drawn by AMW
		project	approved by EF
		project	drawing no. ASB-2A
		CAD no.	project no. 2257316087

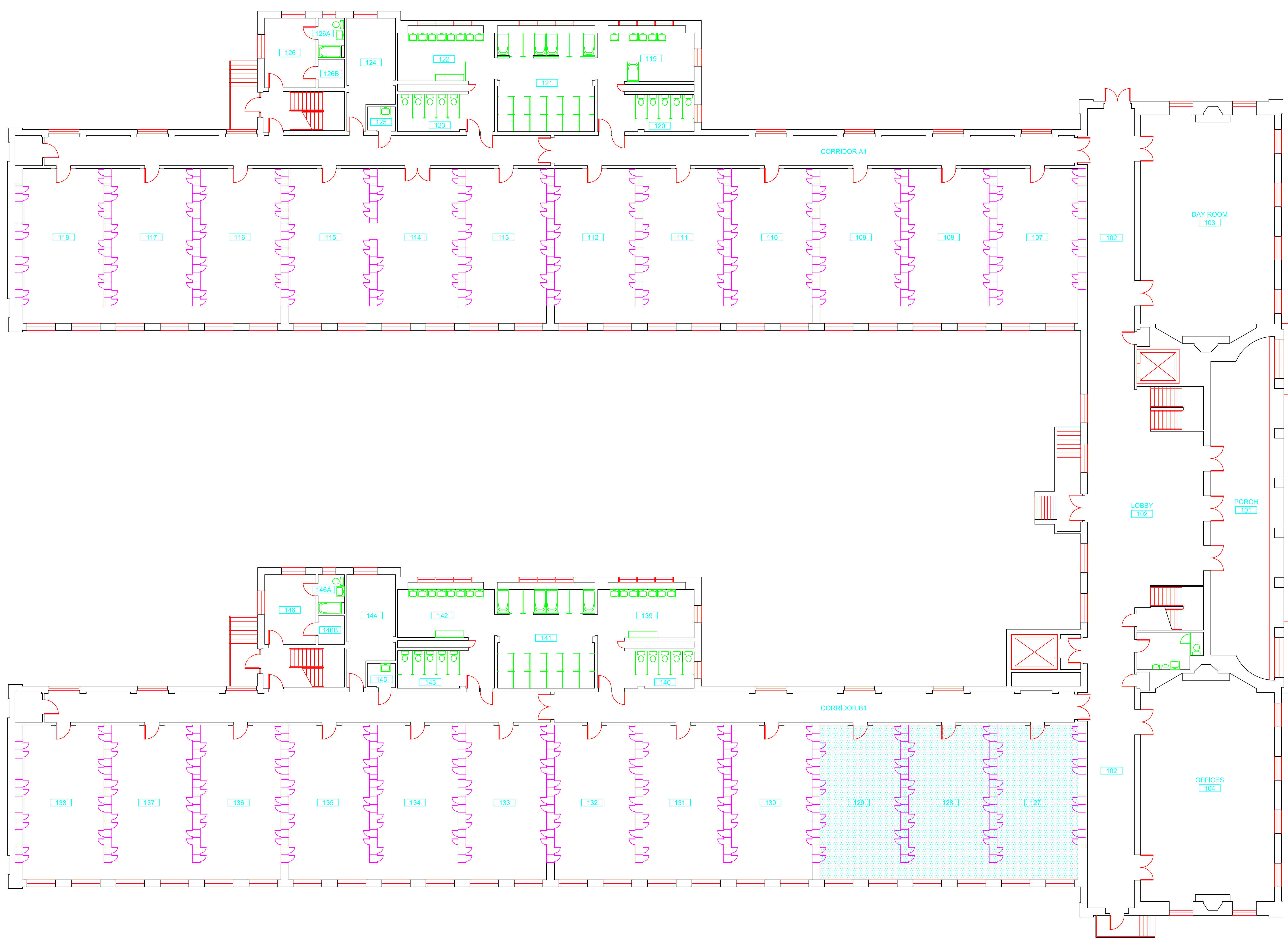


SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
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EFJ	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
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drawing title <b>ACM LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION WEST DOMICILE BUILDING 3 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 3/32" = 1' drawn by AMW approved by EF drawing no. ASB-BB
CAD no.	project no.	2257316087	



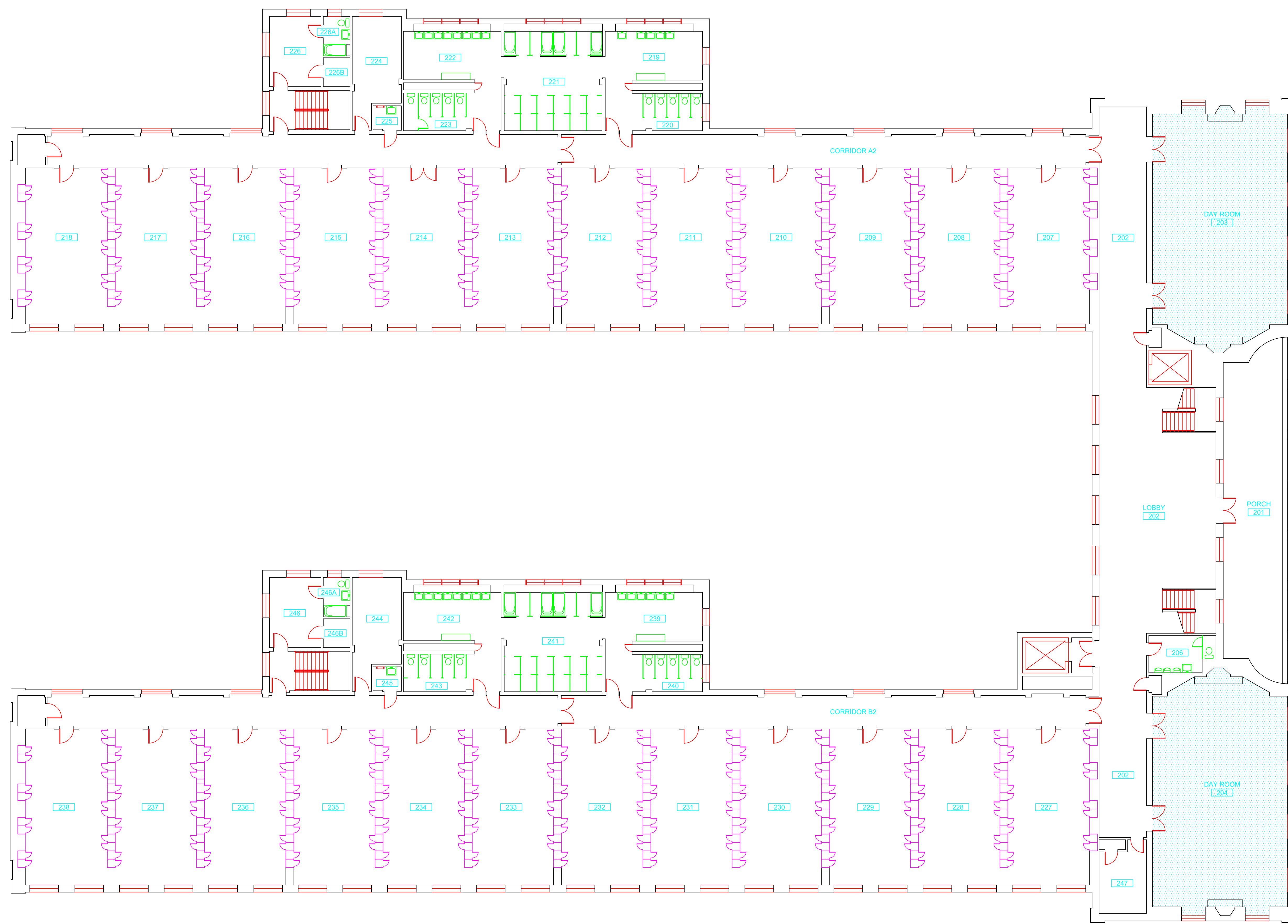
SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
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FT	= FLOOR TILE
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MA	= MISCELLANEOUS ADHESIVE
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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATION FIRST FLOOR PLAN		ATC 200 Roberts Street - Suite 301 West Hartford, CT 06106 Environmental - Geotechnical Building Services - MATERIALS TESTING	
REVISIONS		project	
mark	date	description	date
			3/17/17
		scale: 3/32" = 1'	
		drawn by: AMW	
		approved by: EF	
		drawing no. ASB-1B	
CAD no.		project no. 2257316087	






SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
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AM	= AMOSITE
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drawing title <b>ACM LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 201 East Windsor, CT 06026 Phone: 860-406-1000</small>	
mark	date	description	date
			3/17/17
		project	scale: 3/32" = 1'
		project	drawn by: AMW
		project	approved by: EF
		project	drawing no.:
		project no.	ASB-2B
		project no.	2257316087



March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Avenue  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 4  
East Domicile  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53040  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the East Domicile, Building 4, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



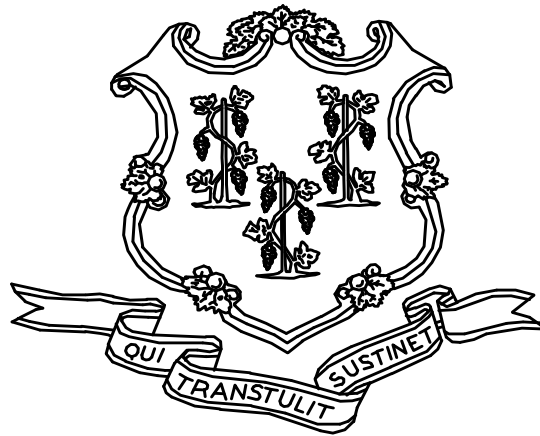
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**EAST DOMICILE  
BUILDING 4  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53040  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the East Domicile, Building 4 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 14, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: floor tile and associated mastic, plaster ceilings, plaster walls, and ceiling tiles.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 12" x 12" Beige With Green Streak Floor Tile and Associated Adhesive
- 12" x 12" Beige Mottled Floor Tile and Associated Black Mastic
- Glue Daubs for 1'x1' Ceiling Tile

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall-Skim Coat
- Plaster Wall -Base Coat
- Plaster Ceiling-Skim Coat
- Plaster Ceiling-Base Coat
- 12"x12" White Mottled Floor Tile and Associated Adhesive
- 2'x4' Suspended Ceiling Tile (Type 1)
- 1'x1' Ceiling Tile

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.



## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 4 – EAST DOMICILE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021017-B04-1A	Room 146	Plaster Wall-Skim Coat	ND	
021017-B04-1B	Room 137	Plaster Wall-Skim Coat	ND	
021017-B04-1C	2nd Floor Hall	Plaster Wall-Skim Coat	ND	
021017-B04-1D	Room 228	Plaster Wall-Skim Coat	ND	
021017-B04-1E	Room 107	Plaster Wall-Skim Coat	ND	
021017-B04-1F	C Wing Hall	Plaster Wall-Skim Coat	ND	
021017-B04-1G	Room 212	Plaster Wall-Skim Coat	ND	
021017-B04-2A	Room 146	Plaster Wall -Base Coat	ND	
021017-B04-2B	Room 137	Plaster wall -Base Coat	ND	
021017-B04-2C	2nd Floor Hall	Plaster Wall -Base Coat	ND	
021017-B04-2D	Room 228	Plaster Wall -Base Coat	ND	
021017-B04-2E	Room 107	Plaster Wall -Base Coat	ND	
021017-B04-2F	C Wing Hall	Plaster Wall -Base Coat	ND	
021017-B04-2G	Room 212	Plaster Wall -Base Coat	ND	
<b>021017-B04-3A</b>	<b>Room 146</b>	<b>12"x 12" Beige Mottled Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>021017-B04-3B</b>	<b>Room 133</b>	<b>12"x12" Beige Mottled Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>021017-B04-4A</b>	<b>Room 146</b>	<b>Black Mastic for 12"x12" Beige Mottled Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
<b>021017-B04-4B</b>	<b>Room 133</b>	<b>Black Mastic for 12"x12" Beige Mottled Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
021017-B04-5A	Stair Hall Outside Room 146	12"x12" White Mottled Floor Tile	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 4 – EAST DOMICILE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021017-B04-5B	2nd Floor Hall	12"x12" White Mottled Floor Tile	ND	
021017-B04-6A	Stair Hall Outside Room 146	Adhesive for 12"x12" White Mottled Floor Tile	ND	
021017-B04-6B	2nd Floor Hall	Adhesive for 12"x12" White Mottled Floor Tile	ND	
<b>021017-B04-7A</b>	<b>Stair Tread Outside Room 146</b>	<b>12"x12" Beige With Green Streak Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
<b>021017-B04-7B</b>	<b>1st Floor Hall</b>	<b>12"x12" Beige With Green Streak Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
021017-B04-8A	Stair Tread Outside Room 146	Adhesive for 12"x12" Beige With Green Streak Floor Tile	ND	
<b>021017-B04-8B</b>	<b>1st Floor Hall</b>	<b>Adhesive for 12"x12" Beige With Green Streak Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
021017-B04-9A	Room 113	2'x4' Suspended Ceiling Tile (Type I)	ND	
021017-B04-9B	Room 114	2'x4' Suspended Ceiling Tile (Type I)	ND	
021017-B04-10A	C Wing Jan Closet	1'x1' Ceiling Tile	ND	
021017-B04-10B	C Wing Jan Closet	1'x1' Ceiling Tile	ND	
<b>021017-B04-11A</b>	<b>C Wing Jan Closet</b>	<b>Glue Daub for 1'x1' Ceiling Tile</b>	<b>2</b>	<b>Anthophyllite</b>
<b>021017-B04-11B</b>	<b>C Wing Jan Closet</b>	<b>Glue Daub for 1'x1' Ceiling Tile</b>	<b>2</b>	<b>Anthophyllite</b>
021017-B04-12A	2nd Floor Hall South	Plaster Ceiling-Skim Coat	ND	
021017-B04-12B	2nd Floor Hall South	Plaster Ceiling-Skim Coat	ND	
021017-B04-12C	2nd Floor Hall North	Plaster Ceiling-Skim Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 4 – EAST DOMICILE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
021017-B04-12D	2nd Floor Hall North	Plaster Ceiling-Skim Coat	ND	
021017-B04-12E	2nd Floor Hall North	Plaster Ceiling-Skim Coat	ND	
021017-B04-13A	2nd Floor Hall South	Plaster Ceiling-Base Coat	ND	
021017-B04-13B	2nd Floor Hall South	Plaster Ceiling-Base Coat	ND	
021017-B04-13C	2nd Floor Hall North	Plaster Ceiling-Base Coat	ND	
021017-B04-13D	2nd Floor Hall North	Plaster Ceiling-Base Coat	ND	
021017-B04-13E	2nd Floor Hall North	Plaster Ceiling-Base Coat	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



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**EMSL Order:** 031703948

**Customer ID:** ATCE54

**Customer PO:** 7-10133-0001

**Project ID:**

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**Fax:** (860) 282-9826

**Received Date:** 02/15/2017 10:32 AM

**Analysis Date:** 02/17/2017

**Collected Date:** 02/10/2017

**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT, BLDG4

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021017-B04-1A 031703948-0001	ROOM 146 - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
021017-B04-1B 031703948-0002	ROOM 137 - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
021017-B04-1C 031703948-0003	2ND FLOOR HALL - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
021017-B04-1D 031703948-0004	ROOM 228 - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
021017-B04-1E 031703948-0005	ROOM 107 - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
021017-B04-1F 031703948-0006	C WING HAL - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
021017-B04-1G 031703948-0007	ROOM 212 - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
021017-B04-2A 031703948-0008	ROOM 146 - PLASTER WLL -BASE COAT	Brown Non-Fibrous Homogeneous		60% Quartz 40% Non-fibrous (Other)	None Detected
021017-B04-2B 031703948-0009	R ROOM 137 - PLASTER WLL -BASE COAT	Brown Non-Fibrous Homogeneous		55% Quartz 20% Ca Carbonate 25% Non-fibrous (Other)	None Detected
021017-B04-2C 031703948-0010	2ND FLOOR HALL - PLASTER WLL -BASE COAT	Brown Non-Fibrous Homogeneous		55% Quartz 45% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/17/2017 05:50:11



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**Received Date:** 02/15/2017 10:32 AM

**Analysis Date:** 02/17/2017

**Collected Date:** 02/10/2017

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021017-B04-2D 031703948-0011	ROOM 228 - PLASTER WLL -BASE COAT	Brown Non-Fibrous Homogeneous		50% Quartz 50% Non-fibrous (Other)	None Detected
021017-B04-2E 031703948-0012	ROOM 107 - PLASTER WLL -BASE COAT	Brown Non-Fibrous Homogeneous		25% Quartz 40% Gypsum 35% Non-fibrous (Other)	None Detected
021017-B04-2F 031703948-0013	C WING HALL - PLASTER WLL -BASE COAT	Brown Non-Fibrous Homogeneous		40% Quartz 22% Gypsum 38% Non-fibrous (Other)	None Detected
021017-B04-2G 031703948-0014	ROOM 212 - PLASTER WLL -BASE COAT	Brown Non-Fibrous Homogeneous		40% Quartz 28% Gypsum 32% Non-fibrous (Other)	None Detected
021017-B04-3A 031703948-0015	ROOM 146 - 12" X 12" BEIGE MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous		25% Ca Carbonate 73% Non-fibrous (Other)	2% Chrysotile
021017-B04-3B 031703948-0016	ROOM 133 - 12" X 12" BEIGE MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous		30% Ca Carbonate 68% Non-fibrous (Other)	2% Chrysotile
021017-B04-4A 031703948-0017	ROOM 146 - BLACK MASTIC FOR 12" X 12" BEIGE MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous		10% Ca Carbonate 85% Non-fibrous (Other)	5% Chrysotile
021017-B04-4B 031703948-0018	ROOM 133 - BLACK MASTIC FOR 12" X 12" BEIGE MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
021017-B04-5A 031703948-0019	STAIR HALL O/S RM 146 - 12" X 12" WHIT MOTTLED FLOOR TILE	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
021017-B04-5B 031703948-0020	2ND FLOOR HALL - 12" X 12" WHIT MOTTLED FLOOR TILE	White Non-Fibrous Homogeneous	3% Cellulose	37% Ca Carbonate 60% Non-fibrous (Other)	None Detected

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**Analysis Date:** 02/17/2017

**Collected Date:** 02/10/2017

**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT, BLDG4

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021017-B04-6A 031703948-0021	STAIR HALL O/S RM 146 - FOR 12" X 12" WHIT MOTTLED FLOOR TILE	Brown Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
021017-B04-6B 031703948-0022	2ND FL HALL - FOR 12" X 12" WHIT MOTTLED FLOOR TILE	Brown Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
021017-B04-7A 031703948-0023	STAIR TREAD O/S RM146 - 12" X 12" BEIGE WITH GREEN STREAK FLOOR TILE	Tan Non-Fibrous Homogeneous		25% Ca Carbonate 71% Non-fibrous (Other)	4% Chrysotile
021017-B04-7B 031703948-0024	1ST FLOOR HALL - 12" X 12" BEIGE WITH GREEN STREAK FLOOR TILE	Tan Non-Fibrous Homogeneous		28% Ca Carbonate 69% Non-fibrous (Other)	3% Chrysotile
021017-B04-8A 031703948-0025	STRIR TREAD O/S RM 146 - ADHESIVE FOR 12" X 12" BEIGE WITH GREEN STREAK FLOOR TILE	Brown Non-Fibrous Homogeneous	18% Cellulose	82% Non-fibrous (Other)	None Detected
021017-B04-8B 031703948-0026	1ST FLOOR HALL - ADHESIVE FOR 12" X 12" BEIGE WITH GREEN STREAK FLOOR TILE	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
021017-B04-9A 031703948-0027	ROOM 113 - 2 X 4 SUSPENDED CEILING TILE 1 TYPE 17	Gray Fibrous Homogeneous	45% Cellulose 25% Glass	30% Non-fibrous (Other)	None Detected
021017-B04-9B 031703948-0028	ROOM - 2 X 4 SUSPENDED CEILING TILE 1 TYPE 17	Gray Fibrous Homogeneous	40% Cellulose 20% Glass	15% Perlite 25% Non-fibrous (Other)	None Detected
021017-B04-10A 031703948-0029	C WING JAN CLOSET - 1 X 1 CEILING TILE	Gray Fibrous Homogeneous	3% Cellulose 75% MinWool	22% Non-fibrous (Other)	None Detected

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**Received Date:** 02/15/2017 10:32 AM

**Analysis Date:** 02/17/2017

**Collected Date:** 02/10/2017

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021017-B04-10B 031703948-0030	C WING JAN CLOSET - 1 X 1 CEILING TILE	Gray Fibrous Homogeneous	4% Cellulose 70% MinWool	26% Non-fibrous (Other)	None Detected
021017-B04-11A 031703948-0031	C WING JAN CLOSET - GLUE DAUB FOR 1 X 1 CEILING TILE	Brown Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Anthophyllite
021017-B04-11B 031703948-0032	C WING JAN CLOSET - GLUE DAUB FOR 1 X 1 CEILING TILE	Brown Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Anthophyllite
021017-B04-12A 031703948-0033	2ND FLOOR HALL SOUTH - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous	2% Cellulose	15% Quartz 83% Non-fibrous (Other)	None Detected
021017-B04-12B 031703948-0034	2ND FLOOR HALL SOUTH - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
021017-B04-12C 031703948-0035	2ND FLOOR HAL NORTH - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
021017-B04-12D 031703948-0036	2ND FLOOR HAL NORTH - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous	3% Cellulose	15% Ca Carbonate 82% Non-fibrous (Other)	None Detected
021017-B04-12E 031703948-0037	2ND FLOOR HAL NORTH - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
021017-B04-13A 031703948-0038	2ND FLOOR HALL SOUTH - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 25% Ca Carbonate 30% Non-fibrous (Other)	None Detected
021017-B04-13B 031703948-0039	2ND FLOOR HALL SOUTH - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous		50% Quartz 25% Ca Carbonate 25% Non-fibrous (Other)	None Detected

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<b>Project:</b> 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT, BLDG4	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
021017-B04-13C 031703948-0040	2ND FLOOR HALL NORTH - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 20% Ca Carbonate 35% Non-fibrous (Other)	None Detected
021017-B04-13D 031703948-0041	2ND FLOOR HALL NORTH - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous		50% Quartz 25% Ca Carbonate 25% Non-fibrous (Other)	None Detected
021017-B04-13E 031703948-0042	2ND FLOOR HALL NORTH - PLASTER CEILING-BASE COAT	Tan Non-Fibrous Homogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (Other)	None Detected

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Initial report from: 02/17/2017 05:50:11



**EMSL Analytical, Inc.**

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031703948  
**Customer ID:** ATCE54  
**Customer PO:** 7-10133-0001  
**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT, BLDG4


**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/15/2017 10:32 AM  
**Analysis Date:** 02/17/2017  
**Collected Date:** 02/10/2017


The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**


Sample Receipt Date: 02/15/2017                      Sample Receipt Time: 10:32 AM  
Analysis Completed Date: 02/17/2017                      Analysis Completed Time: 12:35 AM

**Analyst(s):**

  
\_\_\_\_\_  
Ghaly Hemaya PLM (27)

  
\_\_\_\_\_  
Tiquasha Thompson PLM (15)

**Samples Reviewed and approved by:**

  
\_\_\_\_\_  
James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/17/2017 05:50:11

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14  
30

Page 1 of 3

031702948



**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <u>Alisa Werst</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>					
Survey Date: <u>2-10-17</u>		Project Manager: <u>F. Fennell</u>					
Signature: <u>Alisa Werst</u>		Requested Completion Date:					
Lab Name: <u>EMSL</u>	Requested turnaround time (circle) <u>3 HR</u> 6 HR 24 HR 48 HR 3 DY 5 DY	No. Samples Collected	<u>42</u>				
Building: <u>Bldg 4</u> Address: <u>Veterans Home, Rocky Hill CT</u>							
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_homogeneous material	Field Number
Room 146	Plaster Wall - SKIM coat	S				2	021017-Box-1A
Room 137	"					3	1B
2nd Floor Hall	"					4	1C
Room 228	"					5	1D
Room 107	"					6	1E
C wing Hall	"					7	1F
Room 212	"						1G
Room 146	Plaster Wall - Base coat					1	2A
Room 137	"					2	2B
2nd Floor Hall	"					3	2C
Room 228	"					4	2D
Room 107	"					5	2E
C wing Hall	"					6	2F
Room 212	"					7	2G

Comments: PCM

Notes  
Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type) Alisa Werst 2-14-17

Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) 2-14-17

Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)

Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Received By/Date: Alisa Werst 2/15/17 10:32AM

Received By/Date: Alisa Werst 2/15/17 10:32AM

8109 9890 2265

EMSL MANHATTAN LAB RECEIVED

17 FEB 15 AM 10:32

Alisa Werst  
2/15/17 5:47pm

027005948

Page 1 of 3

# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Werst Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-10-17 Project Manager: F. Fennell  
 Signature: AM WERST Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected: \_\_\_\_\_  
 Building: Bldg 4 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Room 146	12" X 12" beige mottled	Misc				2	021017-BoH-3A
Room 133	Floor tile					2	3B
Room 146	Black mastic for					2	4A
Room 133	12" X 12" beige mottled floor tile					2	4B
Stair Halls RM 146	12" X 12" white mottled					2	5A
2nd Floor Hall	Floor tile					2	5B
Stair Halls RM 146	For 12" X 12" white					1	6A
2nd Floor Hall	mottled floor tile					2	6B
Stair Treadals RM 146	12" X 12" beige with green					2	7A
1st Floor Hall	streak floor tile					2	7B
Stair Treadals RM 146	adhesive for 12" X 12" beige					2	8A
1st Floor Hall	w/ green STREAK floor tile					2	8B
Room 113	2x4 suspended ceiling					1	9A
Room	tile (type 17)					2	9B
Ceiling Jan closet	1x1 ceiling tile					2	10A
"	"					2	10B

Comments: PCM

Notes  
 Damage Factors: \_\_\_\_\_ Friability (yes-no; hard-mod-soft surface)  
 Disturbance Factors: \_\_\_\_\_ Barriers (perm airtight-moderate-encapsulated)  
 Physical (sig dmg-dmg-no dmg) Proximity (<1ft- 1-6ft- >6ft) \_\_\_\_\_  
 Water (extensive-moderate-slight-none) Accessability (within reach-barely-reachable-not-reachable) \_\_\_\_\_  
 Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) \_\_\_\_\_  
 Air movement (high-moderate-low) Air conduits (air plenum- air shaft-elevator shaft- duct) \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_ Received By/Date: [Signature]  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: [Signature]

2/17/17 5:47 AM

EMSL HARTFORD LAB  
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 17 FEB 15 AM 10:32

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**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

021705948  
 Page 3 of 3

Cardno ATC Inspector: Alisa Werst Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-10-17 Project Manager: E. Fennell  
 Signature: Alm Werst Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected: \_\_\_\_\_  
 Building: Bldg 4 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Cwing Jan closet	glue daub for 1'x1'	MISC				2	021017-804-11A
"	ceiling tile					2	11B
2nd Floor Hall south	Plaster ceiling-skim	S				5	12A
2nd Floor Hall north	ceiling-skim coat					3	12B
2nd Floor Hall north	"					4	12C
"	"					5	12D
"	"					5	12E
2nd Floor Hall south	Plaster ceiling-Base coat					1	13A
↓ south						2	13B
North						3	13C
North						4	13D
North						5	13E

EMSL HARTFORD LAB  
 RECEIVED  
 17 FEB 15 2017

PLM

Comments:

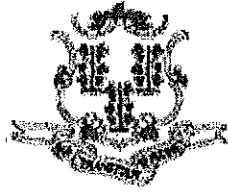
Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type) Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not-reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low) Friability (yes-no, hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alm Werst 2-14-17 Received By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

Alm Werst 2-17-17  
Alm Werst 2/17/17 5:47 AM

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

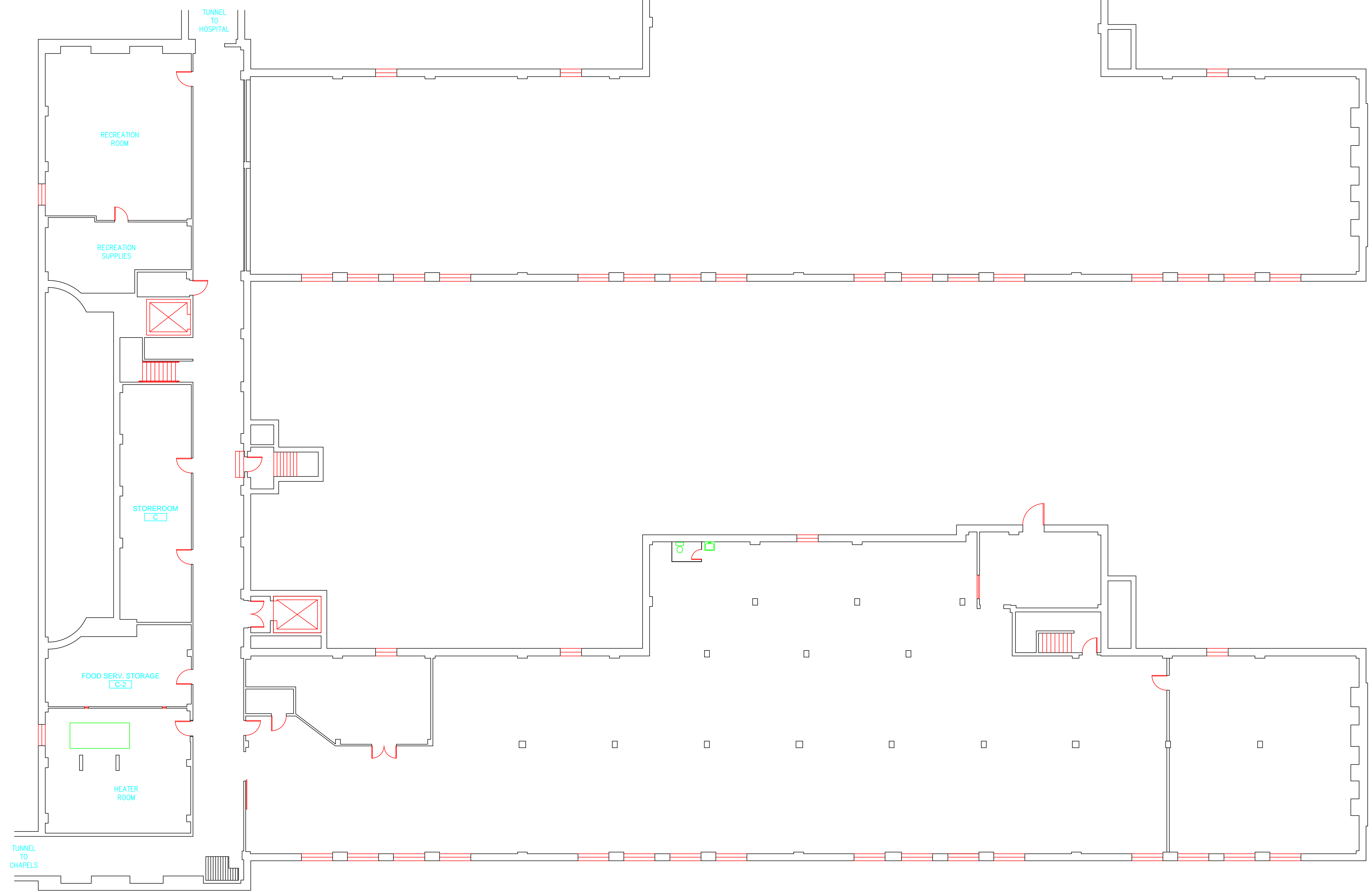
Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**






SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE FITTING INSULATION
PII	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>SAMPLE LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Phone: 860-405-2000</small>	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION EAST DOMICILE BUILDING 4 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 3/32" = 1' DRAWN BY: AMW
CAD no.		project no.	approved by: EF drawing no. ASB-BA
		2257316087	

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CTG	= CERAMIC FLOOR TILE GROUT
CTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
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CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
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JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
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[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
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[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

021017-B04-1F	NAD
PWSC	-
021017-B04-2F	NAD
PWBC	-

021017-B04-9A	NAD
SCT	-
021017-B04-9B	NAD
SCT	-

021017-B04-1F	NAD
PWSC	-
021017-B04-2F	NAD
PWBC	-

021017-B04-1F	NAD
PWSC	-
021017-B04-2F	NAD
PWSC	-

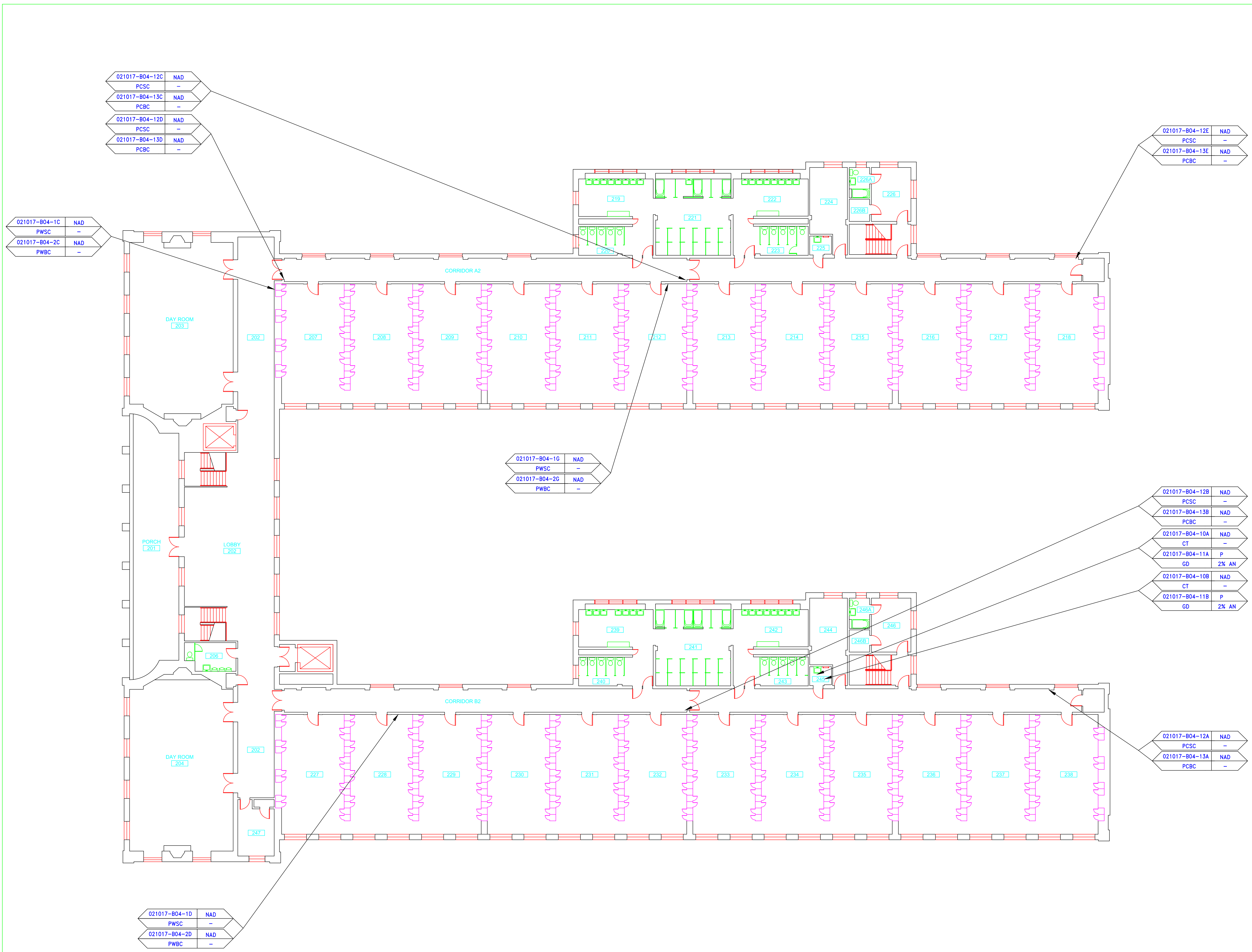
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FT	4% CH
021017-B04-8A	NAD
FTM	-

021017-B04-5A	NAD
FT	-
021017-B04-6A	NAD
FTM	-

021017-B04-1B	NAD
PWSC	-
021017-B04-2B	NAD
PWBC	-

021017-B04-7B	P
FT	4% CH
021017-B04-8B	P
FTM	3% CH

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>SAMPLE LOCATION FIRST FLOOR PLAN</b>		<b>ATC</b>	
REVISIONS		200 Roberts Street • Suite 301 East Windsor, CT 06026 Phone: 860-405-2000	
mark	date	description	date
			3/17/17
		scale	3/32" = 1'
		drawn by	AMW
		approved by	EF
		drawing no.	ASB-1A
CAD no.	project no.	2257316087	



SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
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CB	= COVE BASE
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PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

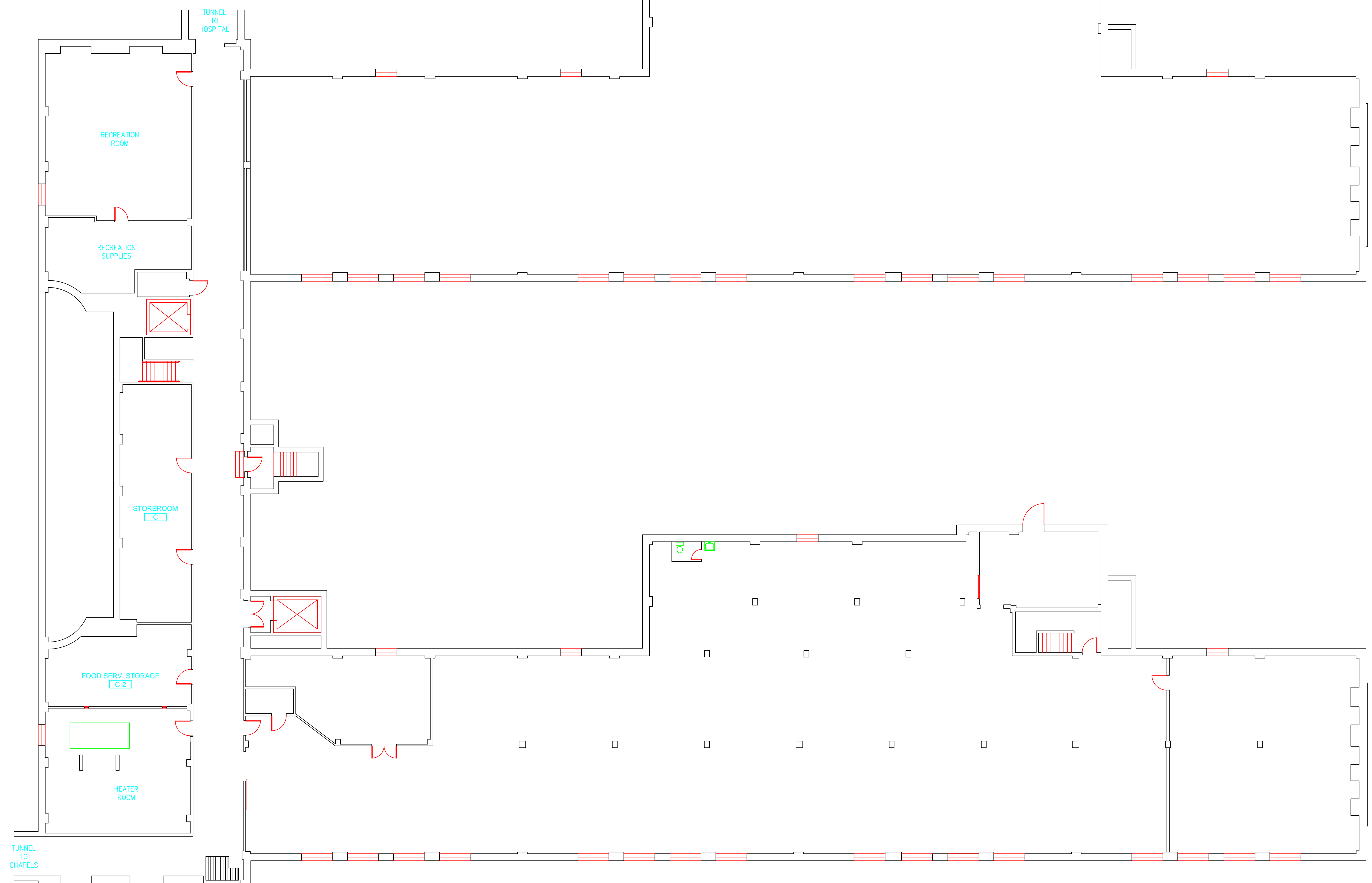
  

SYMBOL	MATERIAL DESCRIPTION
[Hatched Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Hatched Pattern]	ACM RESILIENT FLOORING ONLY
[Hatched Pattern]	ACM POURED FLOORING
[Hatched Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Hatched Pattern]	ACM PLASTER CEILING SKIM COAT
[Hatched Pattern]	ACM TEXTURED CEILING COATING
[Hatched Pattern]	ACM WALL PLASTER
[Hatched Pattern]	ACM GLUE DAUBS
[Circle with DC]	ACM DOOR GLAZE
[Circle with DC]	ACM DOOR CAULK
[Circle with PI]	ACM PIPE INSULATION
[Circle with PF]	ACM PIPE FITTING INSULATION
[Circle with DS]	ACM DUCT SEALANT
[Circle with WC]	ACM WINDOW CAULK
[Circle with MC]	ACM MISCELLANEOUS CAULK
[Circle with WC]	ACM WINDOW GLAZING
[Circle with SF]	ACM SHEET FLOORING
[Circle with M]	ACM MASTIC ONLY
[Circle with JC]	ACM JOINT COMPOUND
[Circle with DL]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DATE	
mark	date	description	date
			3/17/17
project		SCALE 3/32" = 1'	
project		DRAWN BY AMW	
project		APPROVED BY EF	
project no. 2257316087		DRAWING NO. ASB-2A	

**ATC**  
 ENVIRONMENTAL - GEOTECHNICAL  
 ENGINEERING - MATERIALS TESTING  
 200 Roberts Street - Suite 201  
 East Windsor, CT 06026  
 (860) 255-1100  
 www.atc-engineers.com



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT																																																																																																																																								
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[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
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drawing title <b>ACM LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
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		SCALE: 3/32" = 1'	
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		APPROVED BY: EF	
		DRAWING NO.: ASB-BB	
CAD no.		project no. 2257316087	

200 Roberts Street - Suite 301  
East Windsor, CT 06026  
Phone: 860-255-1234


project:  
BUILDING INSPECTION  
EAST DOMICILE  
BUILDING 4  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT

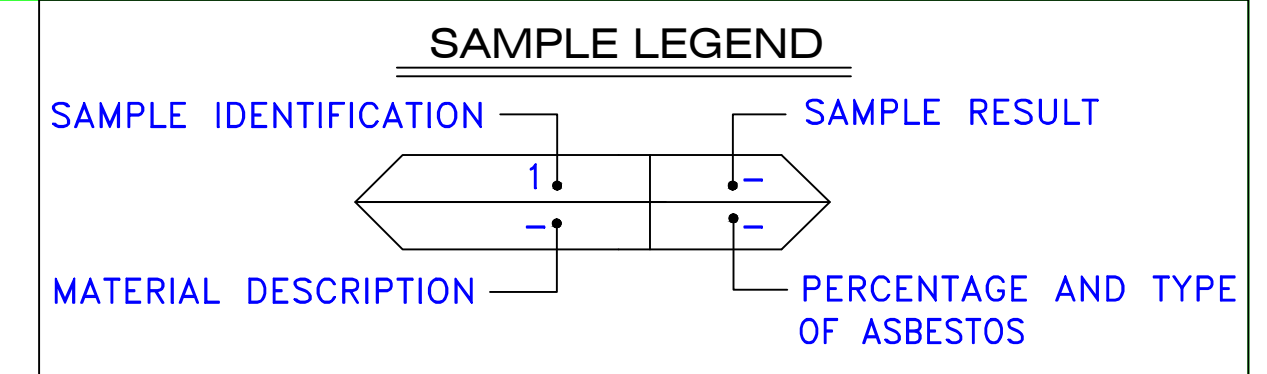
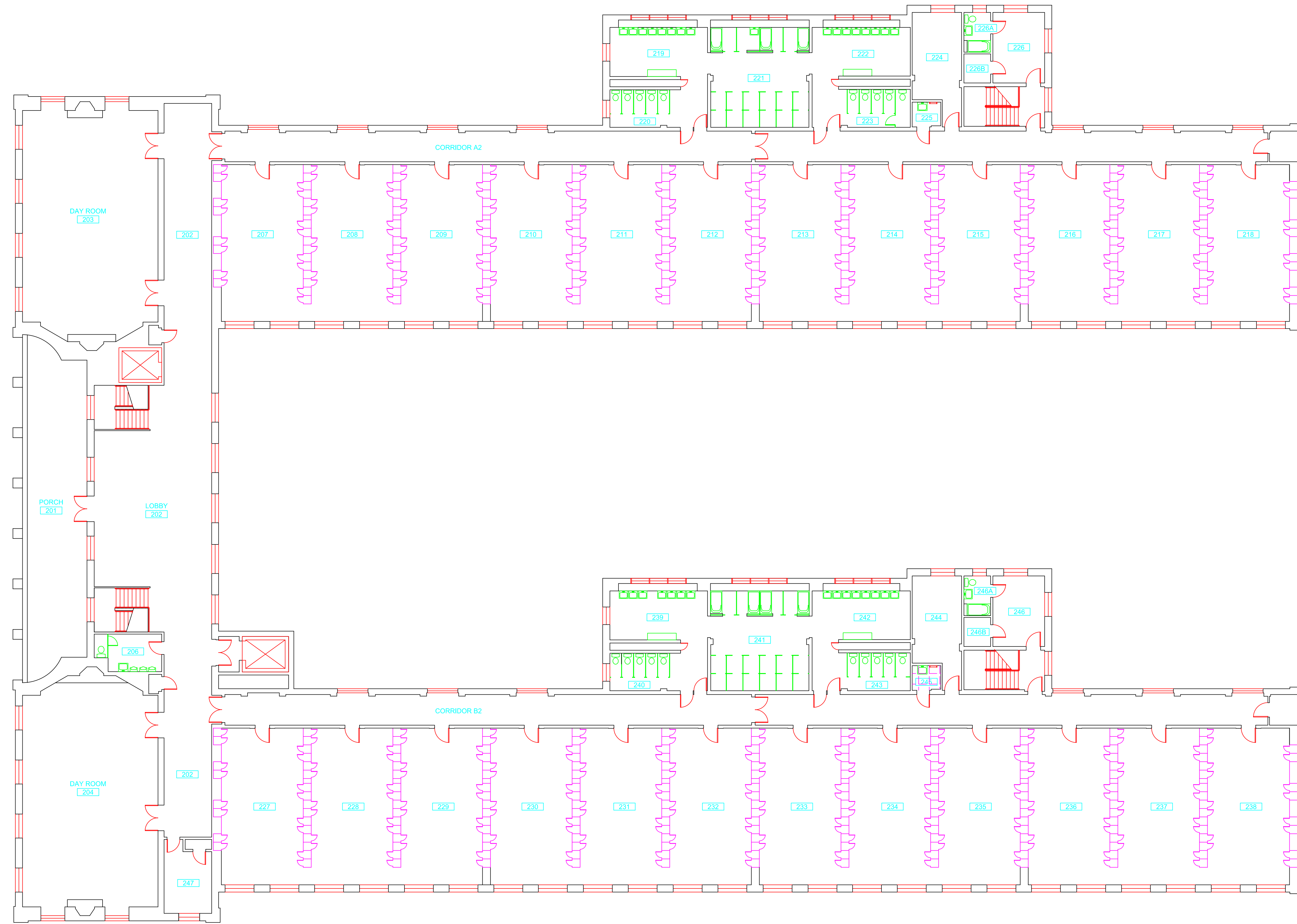


SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
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DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
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P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
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REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Phone: 860-405-2000</small>	
mark	date	description	date
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		project	scale 3/32" = 1'
		project	drawn by AMW
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		project	drawing no. ASB-1B
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REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Tel: 860-255-3200</small>	
mark	date description		
project		BUILDING INSPECTION EAST DOMICILE BUILDING 4 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	date 3/17/17 scale 3/32" = 1' drawn by AMW approved by EF drawing no. ASB-2B
CAD no.		project no. 2257316087	





ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SCIENCES • MATERIALS TESTING

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
Telephone 860-282-9924  
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March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 5  
Old Hospital  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53280  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Old Hospital, Building 5, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**

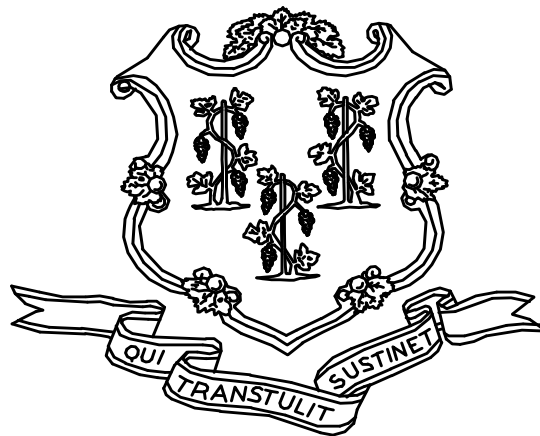
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**OLD HOSPITAL  
BUILDING 5  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53280  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Old Hospital, Building 5 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Mr. Carmen Jacko and Mr. Wayne Riccitelli April 4 and June 9, 2016, and by Mr. Ben Silverman and Ms. Alisa Werst on December 13, 2016. Mr. Jacko, Mr. Riccitelli, Mr. Silverman and Ms. Werst are State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license numbers 000812, 000536, 000783 and 000736 respectively). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: floor tile and associated mastic, plaster ceiling, plaster wall, carpet adhesive, cove base and associated adhesive, textured ceiling coating, gypsum board and joint compound, miscellaneous adhesives, expansion joint caulk, and sink undercoating.

### 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least

- three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
- (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.
  - (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### 3.0 ASBESTOS-CONTAINING MATERIALS

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 12"x12" Beige Streaked Floor Tile and Associated Black Mastic
- 12"x12" White Speckled Floor Tile and Associated Black Mastic
- 12"x12" White Streaked Floor Tile and Associated Black Mastic
- Black Mastic for 12"x12" Beige Speckled Floor Tile
- Black Mastic For 12"x12" White Floor Tile
- Floor Tile Under Carpet in Dining Room A
- Brick Pebbled Sheet Flooring With Backing
- Ceiling Plaster Skim Coat (White) in Corridors and Stairs
- Ceiling Plaster Base Coat (Gray) in Corridors and Stairs
- Layer Paper Insulation (White)
- Black Sink Undercoating
- Black Seam Mastic on Fan Vent

The results of PLM laboratory analysis indicated that the following materials are less than 1% asbestos:

- Wall Joint Compound (White)

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Ceiling Plaster Skim Coat (White) in the Rooms
- Ceiling Plaster Base Coat (Gray) in the Rooms
- Wall Plaster Skim Coat (White)
- Wall Plaster Base Coat (Tan)
- 2'x4' White Fissured Ceiling Tile
- Wall Plaster Skim Coat (White)
- Wall Plaster Base Coat (Gray)
- Wall Gypsum (Gray)
- Fire Door Insulation (Gray)
- Brown Carpet Adhesive
- Flex Duct Connector (Dark Gray)
- 6" Brown Cove Base
- Brown Adhesive For 6" Brown Cove Base
- Spline Ceiling Panels (Gray)
- Adhesive For Spline Ceiling Panels (Gray)
- Flex Duct Connector (Black)
- Flex Duct Connector (Beige)
- Fiberglass Duct Adhesive (Yellow)
- End Cap Sealant (White)
- 12"x12" Beige Speckled Floor Tile
- 12"x12" White Floor Tile
- 1'x1' White Ceiling Tile
- Wall Grout (White) for 4"x4" Green Ceramic Wall Tile
- Setting Compound (White) for 4"x4" Green Ceramic Wall Tile
- Brown Sheet Material on Desk
- Burlap Backing on Brown Sheeting on Desk
- Backing for Brown Sheet Material on Desk
- 6" Black Cove Base
- Yellow Adhesive for 6" Black Cove Base
- Black Sheet Flooring
- Black Mastic for Black Sheet Flooring
- Dark Brown Glue Daubs For 1'x1' White Ceiling Tile
- Dark Brown Glue Daubs For 1'x1' Fiberglass Wall Tile
- CMU Block (Gray)
- Light Gray Mortar for CMU Block
- Radiator Cover Insulation (Green Brown)
- Tan Sheet Flooring and Backing
- Black/Gray Sheet Flooring
- Black Backing for Black/Gray Sheet Flooring
- Gray Cementitious Flooring

- 4" Black Cove Base
- Brown Adhesive For 4" Black Cove Base
- Textured Ceiling Coating
- 2' x 4' Acoustical Ceiling – Pinhole Only
- Wall Panel Adhesive
- Carpet Adhesive
- Black Mastic for Floor Tile in Second Floor Dining Room A
- Look-Alike Sheet Flooring
- Canvas Backing For Sheet Flooring

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

The first floor wing rooms 1101 through 1116 were not accessible to ATC during this inspection.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**



**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 5 – OLD HOSPITAL**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
<b>040416-1A</b>	<b>Corridor Outside Room 1520</b>	<b>Plaster Ceiling Skim Coat (White)</b>	<b>3</b>	<b>Chrysotile</b>
040416-1B	5D Wing Nurses Station	Plaster Ceiling Skim Coat (White)	ND	
040416-1C	Stairwell to Penthouse	Plaster Ceiling Skim Coat (White)	ND	
040416-1D	Corridor Outside Room 444	Plaster Ceiling Skim Coat (White)	ND	
040416-1E	4A Wing Nurses Station	Plaster Ceiling Skim Coat (White)	ND	
<b>040416-2A</b>	<b>Outside Room 1520</b>	<b>Plaster Ceiling Base Coat (Gray)</b>	<b>2</b>	<b>Chrysotile</b>
040416-2B	5D Wing Nurses Station	Plaster Ceiling Base Coat (Gray)	ND	
040416-2C	Stairwell to Penthouse	Plaster Ceiling Base Coat (Gray)	ND	
040416-2D	Corridor Outside Room 444	Plaster Ceiling Base Coat (Gray)	ND	
040416-2E	4A Wing Nurses Station	Plaster Ceiling Base Coat (Gray)	ND	
040416-3A	Wing 5C Nurses Station	2'x4' White Fissured Ceiling Tile	ND	
040416-3B	Wing 5A Nurses Station	2'x4' White Fissured Ceiling Tile	ND	
040416-4A	Room 1511	Plaster Wall Skim Coat (White)	ND	
040416-4B	Room 1519	Plaster Wall Skim Coat (White)	ND	
040416-4C	Room 1539	Plaster Wall Skim Coat (White)	ND	
040416-4D	Outside Room 459	Plaster Wall Skim Coat (White)	ND	
040416-4E	4A Wing Nurses Station	Plaster Wall Skim Coat (White)	ND	
040416-5A	Room 1511	Plaster Wall Base Coat (Gray)	ND	
040416-5B	Room 1519	Plaster Wall Base Coat (Gray)	ND	
040416-5C	Room 1539	Plaster Wall Base Coat (Gray)	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 5 – OLD HOSPITAL**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
040416-5D	Corridor Outside Room 459	Plaster Wall Base Coat (Gray)	ND	
040416-5E	4A Wing Nurses Station	Plaster Wall Base Coat (Gray)	ND	
040416-6A	Room 1517	Wall Gypsum (Gray)	ND	
040416-6B	Room 443	Wall Gypsum (Gray)	ND	
040416-6C	Corridor Between Rooms 420-421	Wall Gypsum (Gray)	ND	
040416-7A	Room 1517	Wall Joint Compound (White)	ND	
040416-7B	Room 448	Wall Joint Compound (White)	<1	Chrysotile
040416-7C	Corridor Between Rooms 420-421	Wall Joint Compound (White)	ND	
<b>040416-8A</b>	<b>Bathroom 1509</b>	<b>Layer Paper Insulation (White)</b>	<b>44</b>	<b>Chrysotile</b>
<b>040416-8B</b>	<b>Room 1510</b>	<b>Layer Paper Insulation (White)</b>	<b>50</b>	<b>Chrysotile</b>
<b>040416-8C</b>	<b>Room 410</b>	<b>Layer Paper Insulation (White)</b>	<b>40</b>	<b>Chrysotile</b>
040416-9A	Room 1518	Fire Door Insulation (Gray)	ND	
040416-9B	Room 1519	Fire Door Insulation (Gray)	ND	
040416-10A	Room 1513	Brick Pebbled Sheet Flooring With Backing	ND	
<b>040416-10B</b>	<b>Room 1513</b>	<b>Brick Pebbled Sheet Flooring With Backing</b>	<b>10</b>	<b>Chrysotile</b>
<b>040416-11A</b>	<b>Room 1513</b>	<b>Black Sink Undercoating</b>	<b>3</b>	<b>Chrysotile</b>
<b>040416-11B</b>	<b>Room 1513</b>	<b>Black Sink Undercoating</b>	<b>3</b>	<b>Chrysotile</b>
040416-12A	Room 1507	Brown Carpet Adhesive	ND	
040416-12B	Room 1520	Brown Carpet Adhesive	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 5 – OLD HOSPITAL**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
<b>040416-13A</b>	<b>Room 1512</b>	<b>12"x12" Beige Streaked Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>040416-13B</b>	<b>Room 1520</b>	<b>12"x12" Beige Streaked Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>040416-14A</b>	<b>Room 1512</b>	<b>Black Mastic for 12"x12" Beige Streaked Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
<b>040416-14B</b>	<b>Room 1520</b>	<b>Black Mastic for 12"x12" Beige Streaked Floor Tile</b>	<b>6</b>	<b>Chrysotile</b>
040416-15A	Mechanical Room 510	Flex Duct Connector (Dark Gray)	ND	
040416-15B	Mechanical Room 510	Flex Duct Connector (Dark Gray)	ND	
040416-16A	5D Wing Nurses Station	6" Brown Cove Base	ND	
040416-16B	5D Wing Nurses Station	6" Brown Cove Base	ND	
040416-17A	5D Wing Nurses Station	Brown Adhesive For 6" Brown Cove Base	ND	
040416-17B	5D Wing Nurses Station	Brown Adhesive For 6" Brown Cove Base	ND	
040416-18A	Penthouse Mechanical Room	Spline Ceiling Panels (Gray)	ND	
040416-18B	Penthouse Mechanical Room	Spline Ceiling Panels (Gray)	ND	
040416-19A	Penthouse Mechanical Room	Adhesive For Spline Ceiling Panels (Gray)	ND	
040416-19B	Penthouse Mechanical Room	Adhesive For Spline Ceiling Panels (Gray)	ND	
040416-20A	Penthouse Mechanical Room Fan 4	Flex Duct Connector (Black)	ND	
040416-20B	Penthouse Mechanical Room Fan 4	Flex Duct Connector (Black)	ND	
040416-21A	Penthouse Mechanical Room Fan 2	Flex Duct Connector (Beige)	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 5 – OLD HOSPITAL**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
040416-21B	Penthouse Mechanical Room Fan 2	Flex Duct Connector (Beige)	ND	
<b>040416-22A</b>	<b>B144</b>	<b>Black Seam Mastic on Fan Vent</b>	<b>5</b>	<b>Chrysotile</b>
<b>040416-22B</b>	<b>B144</b>	<b>Black Seam Mastic on Fan Vent</b>	<b>4</b>	<b>Chrysotile</b>
040416-23A	Penthouse Mechanical Room	Fiberglass Duct Adhesive (Yellow)	ND	
040416-23B	Penthouse Mechanical Room	Fiberglass Duct Adhesive (Yellow)	ND	
040416-24A	Penthouse Mechanical Room	End Cap Sealant (White)	ND	
040416-24B	Penthouse Mechanical Room	End Cap Sealant (White)	ND	
040416-25A	Room 1528	12"x12" Beige Speckled Floor Tile	ND	
040416-25B	Room 1539	12"x12" Beige Speckled Floor Tile	ND	
<b>040416-26A</b>	<b>Room 1528</b>	<b>Black Mastic for 12"x12" Beige Speckled Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>040416-26B</b>	<b>Room 1539</b>	<b>Black Mastic for 12"x12" Beige Speckled Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
040416-27A	Operating Room 4	Wall Grout (White) for 4"x4" Green Ceramic Wall Tile	ND	
040416-27B	Operating Room 4	Wall Grout (White) for 4"x4" Green Ceramic Wall Tile	ND	
040416-28A	Operating Room 4	Setting Compound (White) for 4"x4" Green Ceramic Wall Tile	ND	
040416-28B	Operating Room 4	Setting Compound (White) for 4"x4" Green Ceramic Wall Tile	ND	
040416-29A	Waiting Room 1	Brown Sheet Material on Desk	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 5 – OLD HOSPITAL**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
040416-29B	Waiting Room 1	Brown Sheet Material on Desk	ND	
040416-30A	Waiting Room 1	Burlap Backing on Brown Sheeting on Desk	ND	
040416-30B	Waiting Room 1	Burlap Backing on Brown Sheeting on Desk	ND	
040416-31A	Waiting Room 1	Backing for Brown Sheet Material on Desk	ND	
040416-31B	Waiting Room 1	Backing for Brown Sheet Material on Desk	ND	
040416-32A	Corridor Outside Room 513	6" Black Cove Base	ND	
040416-32B	Corridor Outside Room 513	6" Black Cove Base	ND	
040416-33A	Corridor Outside Room 513	Yellow Adhesive for 6" Black Cove Base	ND	
040416-33B	Corridor Outside Room 513	Yellow Adhesive for 6" Black Cove Base	ND	
040416-34A	Operating Room 3	Black Sheet Flooring	ND	
040416-34B	Operating Room 4	Black Sheet Flooring	ND	
040416-35A	Operating Room 3	Black Mastic for Black Sheet Flooring	ND	
040416-35B	Operating Room 4	Black Mastic for Black Sheet Flooring	ND	
040416-36A	Room 503	12"x12" White Floor Tile	ND	
040416-36B	Corridor Outside Room 503	12"x12" White Floor Tile	ND	
<b>040416-37A</b>	<b>Room 503</b>	<b>Black Mastic for 12"x12" White Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
<b>040416-37B</b>	<b>Corridor Outside Room 503</b>	<b>Black Mastic for 12"x12" White Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 5 – OLD HOSPITAL**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
040416-38A	Visitor Lounge At 4B	1'x1' White Ceiling Tile	ND	
040416-38B	Visitor Lounge At 4B	1'x1' White Ceiling Tile	ND	
040416-39A	Visitor Lounge At 4B	Dark Brown Glue Daubs For 1'x1' White Ceiling Tile	ND	
040416-39B	Visitor Lounge At 4B	Dark Brown Glue Daubs For 1'x1' White Ceiling Tile	ND	
040416-40A	Chapel	Dark Brown Glue Daubs For 1'x1' Fiberglass Wall Tile	ND	
040416-40B	Chapel	Dark Brown Glue Daubs For 1'x1' Fiberglass Wall Tile	ND	
040416-41A	4A Nurses Station	CMU Block (Gray)	ND	
040416-41B	4A Nurses Station	CMU Block (Gray)	ND	
040416-42A	4A Nurses Station	Light Gray Mortar for CMU Block	ND	
040416-42B	4A Nurses Station	Light Gray Mortar for CMU Block	ND	
040416-43A	Corridor Outside Room 459	Radiator Cover Insulation (Green Brown)	ND	
040416-43B	Corridor Outside Room 459	Radiator Cover Insulation (Green Brown)	ND	
040416-44A	Room 459	Tan Sheet Flooring and Backing	ND	
040416-44B	Room 459	Tan Sheet Flooring and Backing	ND	
040416-45A	Room 430	Black/Gray Sheet Flooring	ND	
040416-45B	Room 430	Black/Gray Sheet Flooring	ND	
040416-46A	Room 436	Black Backing for Black/Gray Sheet Flooring	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 5 – OLD HOSPITAL**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
040416-46B	Room 436	Black Backing for Black/Gray Sheet Flooring	ND	
040416-47A	Room 428	Gray Cementitious Flooring	ND	
040416-47B	Room 428	Gray Cementitious Flooring	ND	
040416-48A	Room 458	4" Black Cove Base	ND	
040416-48B	Room 458	4" Black Cove Base	ND	
040416-49A	Room 458	Brown Adhesive For 4" Black Cove Base	ND	
040416-49B	Room 458	Brown Adhesive For 4" Black Cove Base	ND	
050916-1A	Corridor Outside Room 1520	Plaster Ceiling Skim Coat (White)	ND	
050916-1B	Corridor Outside Room 1521	Plaster Ceiling Skim Coat (White)	ND	
050916-1C	Room 1521	Plaster Ceiling Skim Coat (White)	ND	
050916-1D	Corridor Outside Room 1512	Plaster Ceiling Skim Coat (White)	ND	
050916-1E	Corridor Outside Room 1506	Plaster Ceiling Skim Coat (White)	ND	
050916-1F	Corridor Outside Room 1526	Plaster Ceiling Skim Coat (White)	ND	
050916-1G	Corridor Outside Room 1539	Plaster Ceiling Skim Coat (White)	ND	
050916-1H	Room 1541	Plaster Ceiling Skim Coat (White)	ND	
050916-2A	Corridor Outside Room 1520	Plaster Ceiling Base Coat (Tan)	ND	
050916-2B	Corridor Outside Room 1521	Plaster Ceiling Base Coat (Tan)	ND	
050916-2C	Room 1521	Plaster Ceiling Base Coat (Tan)	ND	
050916-2D	Corridor Outside Room 1512	Plaster Ceiling Base Coat (Tan)	ND	
050916-2E	Corridor Outside Room 1506	Plaster Ceiling Base Coat (Tan)	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 5 – OLD HOSPITAL**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
050916-2F	Corridor Outside Room 1526	Plaster Ceiling Base Coat (Tan)	ND	
050916-2G	Corridor Outside Room 1539	Plaster Ceiling Base Coat (Tan)	ND	
050916-2H	Room 1541	Plaster Ceiling Base Coat (Tan)	ND	
050916-3A	Corridor Outside 1329	Plaster Ceiling Skim Coat (White)	ND	
050916-3B	Room 1335	Plaster Ceiling Skim Coat (White)	ND	
050916-3C	Corridor Outside 1335	Plaster Ceiling Skim Coat (White)	ND	
050916-4A	Corridor Outside 1329	Plaster Ceiling Base Coat (Tan)	ND	
050916-4B	Room 1335	Plaster Ceiling Base Coat (Tan)	ND	
050916-4C	Corridor Outside 1335	Plaster Ceiling Base Coat (Tan)	< 1%	Chrysotile
050916-5A	Room 1334	Plaster Ceiling Skim Coat (White)	ND	
050916-5B	Room 1334	Plaster Ceiling Skim Coat (White)	ND	
050916-5C	Room 1334	Plaster Ceiling Skim Coat (White)	ND	
050916-6A	Room 1334	Plaster Ceiling Base Coat (Tan)	ND	
050916-6B	Room 1334	Plaster Ceiling Base Coat (Tan)	ND	
050916-6C	Room 1334	Plaster Ceiling Base Coat (Tan)	ND	
050916-7A	Wing 3D Wall at Nurse's Station	Plaster Wall Skim Coat (White)	ND	
050916-7B	Room 1336	Plaster Wall Skim Coat (White)	ND	
050916-7C	Room 1326	Plaster Wall Skim Coat (White)	ND	
050916-8A	Wing 3D Wall At Nurse's Station	Plaster Wall Base Coat (Tan)	ND	
050916-8B	Room 1336	Plaster Wall Base Coat (Tan)	ND	



**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 5 – OLD HOSPITAL**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
050916-8C	Room 1326	Plaster Wall Base Coat (Tan)	ND	
<b>050916-9A</b>	<b>Room 1332</b>	<b>12"x12" White Speckled Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>050916-9B</b>	<b>Room 1337</b>	<b>12"x12" White Speckled Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>050916-10A</b>	<b>Room 1332</b>	<b>Black Mastic for 12"x12" White Speckled Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>050916-10B</b>	<b>Room 1337</b>	<b>Black Mastic for 12"x12" White Speckled Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
<b>050916-11A</b>	<b>Corridor Outside Room 1323</b>	<b>12"x12" White Streaked Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>050916-11B</b>	<b>Corridor Outside Room 1337</b>	<b>12"x12" White Streaked Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>050916-12A</b>	<b>Corridor Outside Room 1323</b>	<b>Black Mastic for 12"x12" White Streaked Floor Tile</b>	<b>7</b>	<b>Chrysotile</b>
<b>050916-12B</b>	<b>Corridor Outside Room 1337</b>	<b>Black Mastic for 12"x12" White Streaked Floor Tile</b>	<b>8</b>	<b>Chrysotile</b>
<b>121316-B5-1A</b>	<b>Second Floor A Wing</b>	<b>Textured Ceiling Coating</b>	<b>4</b>	<b>Chrysotile</b>
<b>121316-B5-1B</b>	<b>Second Floor B Wing</b>	<b>Textured Ceiling Coating</b>	<b>3</b>	<b>Chrysotile</b>
<b>121316-B5-1C</b>	<b>Second Floor C Wing</b>	<b>Textured Ceiling Coating</b>	<b>2</b>	<b>Chrysotile</b>
<b>121316-B5-1D</b>	<b>Stair Landing</b>	<b>Textured Ceiling Coating</b>	<b>2</b>	<b>Chrysotile</b>
121316-B5-2A	First Floor 160B	2' x 4' Acoustical Ceiling – Pinhole	ND	
121316-B5-2B	First Floor 160B	2' x 4' Acoustical Ceiling – Pinhole	ND	
121316-B5-3A	Second Floor Patients Dining	Wall Panel Adhesive	ND	
121316-B5-3B	Second Floor Patients Dining	Wall Panel Adhesive	ND	
<b>121316-B5-4A</b>	<b>Second Floor Dining Room A</b>	<b>Floor Tile Under Carpet</b>	<b>2</b>	<b>Chrysotile</b>

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 5 – OLD HOSPITAL**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
121316-B5-4B	Second Floor Dining Room A	Carpet Adhesive	ND	
<b>121316-B5-4A</b>	<b>Second Floor Dining Room A</b>	<b>Floor Tile Under Carpet</b>	<b>6</b>	<b>Chrysotile</b>
121316-B5-4B	Second Floor Dining Room A	Carpet Adhesive	ND	
121316-B5-5A	Second Floor Dining Room A	Black Mastic for Floor Tile	ND	
121316-B5-5B	Second Floor Dining Room A	Black Mastic for Floor Tile	ND	
121316-B5-6A	First Floor Closet 126A	Look-Alike Sheet Flooring	ND	
121316-B5-6B	First Floor Closet 126A	Look-Alike Sheet Flooring	ND	
121316-B5-7A	First Floor Closet 126A	Canvas Backing For Sheet Flooring	ND	
121316-B5-7B	First Floor Closet 126A	Canvas Backing For Sheet Flooring	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**

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Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-1A <i>031609160-0001</i>	O/S ROOM 1520 - CEILING PLASTER SKIM COAT (WHITE)	White Non-Fibrous Homogeneous	4%	Cellulose	55% Ca Carbonate 38% Non-fibrous (other) <b>3% Chrysotile</b>
040416-1B <i>031609160-0002</i>	5D WING NURSES STAT - CEILING PLASTER SKIM COAT (WHITE)	White/Beige Non-Fibrous Homogeneous	7%	Cellulose	15% Ca Carbonate 42% Perlite 36% Non-fibrous (other) <b>None Detected</b>
040416-1C <i>031609160-0003</i>	STAIRWELL TO PENTHOUSE - CEILING PLASTER SKIM COAT (WHITE)	White/Beige Non-Fibrous Homogeneous	12%	Cellulose	20% Ca Carbonate 45% Perlite 23% Non-fibrous (other) <b>None Detected</b>
040416-1D <i>031609160-0004</i>	CORRIDOR O/S 444 - CEILING PLASTER SKIM COAT (WHITE)	White Non-Fibrous Homogeneous			56% Ca Carbonate 44% Non-fibrous (other) <b>None Detected</b>
Inseparable paint / coating layer included in analysis					
040416-1E <i>031609160-0005</i>	4A WING NURSES STAT - CEILING PLASTER SKIM COAT (WHITE)	White Non-Fibrous Homogeneous			60% Ca Carbonate 40% Non-fibrous (other) <b>None Detected</b>
040416-2A <i>031609160-0006</i>	O/S ROOM 1520 - CEILING PLASTER BASE COAT (GRAY)	Tan Non-Fibrous Homogeneous	4%	Cellulose	35% Gypsum 20% Ca Carbonate 39% Non-fibrous (other) <b>2% Chrysotile</b>
040416-2B <i>031609160-0007</i>	5D WING NURSES STAT - CEILING PLASTER BASE COAT (GRAY)	Brown/White Non-Fibrous Homogeneous	14%	Cellulose	25% Ca Carbonate 46% Perlite 15% Non-fibrous (other) <b>None Detected</b>
Result includes a small amount of inseparable attached material					

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-2C <i>031609160-0008</i>	STAIRWELL TO PENTHOUSE - CEILING PLASTER BASE COAT (GRAY)	Brown/Gray Non-Fibrous Homogeneous		47% Quartz 43% Gypsum 10% Non-fibrous (other)	None Detected
040416-2E <i>031609160-0009</i>	CORRIDOR O/S 444 - CEILING PLASTER BASE COAT (GRAY)	Brown Non-Fibrous Homogeneous		48% Quartz 37% Gypsum 15% Non-fibrous (other)	None Detected
040416-2F <i>031609160-0010</i>	4A WING NURSES STAT - CEILING PLASTER BASE COAT (GRAY)	Gray Non-Fibrous Homogeneous		40% Quartz 35% Ca Carbonate 25% Non-fibrous (other)	None Detected
Sample bag labeled as 2D					
040416-3A <i>031609160-0011</i>	WING 5C NURSES STATION - 2'X4' WHITE FISSURED CEILING TILE	Gray Fibrous Homogeneous	40% Min. Wool 33% Cellulose	27% Non-fibrous (other)	None Detected
040416-3B <i>031609160-0012</i>	WING 5A NURSES STATION - 2'X4' WHITE FISSURED CEILING TILE	Gray Fibrous Homogeneous	40% Cellulose 20% Min. Wool	20% Perlite 20% Non-fibrous (other)	None Detected
040416-4A <i>031609160-0013</i>	ROOM 1511 - WALL PLASTER SKIM COAT (WHITE)	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (other)	None Detected

Inseparable paint / coating layer included in analysis

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Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-4B <i>031609160-0014</i>	ROOM 1519 - WALL PLASTER SKIM COAT (WHITE)	White Non-Fibrous Homogeneous		57% Ca Carbonate 43% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
040416-4C <i>031609160-0015</i>	ROOM 1539 - WALL PLASTER SKIM COAT (WHITE)	White Non-Fibrous Homogeneous		30% Gypsum 44% Ca Carbonate 26% Non-fibrous (other)	<b>None Detected</b>
040416-4D <i>031609160-0016</i>	O/S ROOM 459 - WALL PLASTER SKIM COAT (WHITE)	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	<b>None Detected</b>
040416-4E <i>031609160-0017</i>	4A WING NURSES STAT - WALL PLASTER SKIM COAT (WHITE)	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	<b>None Detected</b>
040416-5A <i>031609160-0018</i>	ROOM 1511 - WALL PLASTER BASE COAT (GRAY)	Gray Non-Fibrous Homogeneous		27% Quartz 63% Gypsum 10% Non-fibrous (other)	<b>None Detected</b>
040416-5B <i>031609160-0019</i>	ROOM 1519 - WALL PLASTER BASE COAT (GRAY)	Gray Non-Fibrous Homogeneous		30% Quartz 50% Gypsum 20% Non-fibrous (other)	<b>None Detected</b>
040416-5C <i>031609160-0020</i>	ROOM 1539 - WALL PLASTER BASE COAT (GRAY)	Gray Non-Fibrous Homogeneous		16% Quartz 68% Gypsum 16% Non-fibrous (other)	<b>None Detected</b>

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Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-5D <i>031609160-0021</i>	O/S ROOM 459 - WALL PLASTER BASE COAT (GRAY)	Gray Non-Fibrous Homogeneous		35% Quartz 29% Gypsum 36% Non-fibrous (other)	None Detected
040416-5E <i>031609160-0022</i>	4A WING NURSES STAT - WALL PLASTER BASE COAT (GRAY)	Brown Non-Fibrous Homogeneous		40% Quartz 35% Gypsum 25% Non-fibrous (other)	None Detected
040416-6A <i>031609160-0023</i>	ROOM 1517 - WALL GYPSUM (GRAY)	Gray Non-Fibrous Homogeneous	2% Glass 1% Cellulose	70% Gypsum 27% Non-fibrous (other)	None Detected
040416-6B <i>031609160-0024</i>	ROOM 443 - WALL GYPSUM (GRAY)	Gray Non-Fibrous Homogeneous	3% Glass 5% Cellulose	68% Gypsum 24% Non-fibrous (other)	None Detected
040416-6C <i>031609160-0025</i>	CORRIDOR BET. 420-421 - WALL GYPSUM (GRAY)	Brown/Gray Non-Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (other)	None Detected
040416-7A <i>031609160-0026</i>	ROOM 1517 - WALL JOINT COMPOUND (WHITE)	White/Beige Non-Fibrous Homogeneous	1% Glass <1% Cellulose	55% Gypsum 44% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
040416-7B <i>031609160-0027</i>	ROOM 448 - WALL JOINT COMPOUND (WHITE)	White Non-Fibrous Homogeneous		60% Gypsum 40% Non-fibrous (other)	<1% Chrysotile
Inseparable paint / coating layer included in analysis					
040416-7C <i>031609160-0028</i>	CORRIDOR BET. 420-421 - WALL JOINT COMPOUND (WHITE)	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	None Detected

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Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-8A <i>031609160-0029</i>	BATHROOM 1509 - LAYER PAPER INSULATION (WHITE)	Gray Fibrous Homogeneous		37% Ca Carbonate 19% Non-fibrous (other)	<b>44% Chrysotile</b>
040416-8B <i>031609160-0030</i>	ROOM 1510 - LAYER PAPER INSULATION (WHITE)	Gray Fibrous Homogeneous	8% Cellulose	17% Ca Carbonate 25% Non-fibrous (other)	<b>50% Chrysotile</b>
040416-8C <i>031609160-0031</i>	ROOM 410 - LAYER PAPER INSULATION (WHITE)	Gray Fibrous Homogeneous	45% Cellulose	15% Non-fibrous (other)	<b>40% Chrysotile</b>
040416-9A <i>031609160-0032</i>	ROOM 1518 - FIRE DOOR INSULATION (GRAY)	White Fibrous Homogeneous	37% Cellulose	47% Non-fibrous (other) 16% Vermiculite	<b>None Detected</b>
040416-9B <i>031609160-0033</i>	ROOM 1519 - FIRE DOOR INSULATION (GRAY)	Gray Fibrous Homogeneous	25% Cellulose	40% Gypsum 26% Non-fibrous (other) 9% Vermiculite	<b>None Detected</b>
040416-10A <i>031609160-0034</i>	ROOM 1513 - BRICK PEBBLED SHEET FLOORING WITH BACKING	Brown/Tan Non-Fibrous Homogeneous	2% Cellulose	26% Ca Carbonate 72% Non-fibrous (other)	<b>None Detected</b>
040416-10B <i>031609160-0035</i>	ROOM 1513 - BRICK PEBBLED SHEET FLOORING WITH BACKING	Brown/Tan/White Fibrous Homogeneous		25% Ca Carbonate 25% Matrix 40% Non-fibrous (other)	<b>10% Chrysotile</b>

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Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-11A <i>031609160-0036</i>	ROOM 1513 - BLACK SINK UNDERCOATING	Black Non-Fibrous Homogeneous		38% Ca Carbonate 59% Non-fibrous (other)	3% Chrysotile
040416-11B <i>031609160-0037</i>	ROOM 1513 - BLACK SINK UNDERCOATING	Black Non-Fibrous Homogeneous		35% Ca Carbonate 62% Non-fibrous (other)	3% Chrysotile
040416-12A <i>031609160-0038</i>	ROOM 1507 - BROWN CARPET ADHESIVE	Tan Non-Fibrous Homogeneous	3% Cellulose	10% Ca Carbonate 80% Matrix 7% Non-fibrous (other)	None Detected
040416-12B <i>031609160-0039</i>	ROOM 1520 - BROWN CARPET ADHESIVE	Yellow Non-Fibrous Homogeneous	3% Cellulose	95% Matrix 2% Non-fibrous (other)	None Detected
040416-13A <i>031609160-0040</i>	ROOM 1512 - 12X12 BEIGE STREAKED FLOOR TILE	Beige Non-Fibrous Homogeneous		37% Ca Carbonate 61% Non-fibrous (other)	2% Chrysotile
040416-13B <i>031609160-0041</i>	ROOM 1520 - 12X12 BEIGE STREAKED FLOOR TILE	Brown/Tan/White Non-Fibrous Homogeneous		60% Ca Carbonate 38% Matrix 0% Non-fibrous (other)	2% Chrysotile
040416-14A <i>031609160-0042</i>	ROOM 1512 - BLACK MASTIC FOR 12X12 BEIGE STREAKED FLOOR TILE	Black Non-Fibrous Homogeneous	2% Cellulose	94% Non-fibrous (other)	4% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/07/2016 12:51:58

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EMSL Order:	031609160
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ProjectID:	

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Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-14B <i>031609160-0043</i>	ROOM 1520 - BLACK MASTIC FOR 12X12 BEIGE STREAKED FLOOR TILE	Black Non-Fibrous Homogeneous		85% Matrix 9% Non-fibrous (other)	6% Chrysotile
040416-15A <i>031609160-0044</i>	MECHANICAL RM 510 - FLEX DUCT CONNECTOR (DARK GRAY)	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
040416-15B <i>031609160-0045</i>	MECHANICAL RM 510 - FLEX DUCT CONNECTOR (DARK GRAY)	Brown Fibrous Homogeneous	92% Cellulose	8% Non-fibrous (other)	None Detected
040416-16A <i>031609160-0046</i>	5D WING NURSES STATION - 6" BROWN COVE BASE	Brown Non-Fibrous Homogeneous	2% Cellulose	90% Matrix 8% Non-fibrous (other)	None Detected
040416-16B <i>031609160-0047</i>	5D WING NURSES STATION - 6" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
040416-17A <i>031609160-0048</i>	5D WING NURSES STATION - BROWN ADHESIVE FOR 6" BROWN COVE BASE	Green Non-Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 65% Non-fibrous (other)	None Detected

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Project: 2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-17B <i>031609160-0049</i>	5D WING NURSES STATION - BROWN ADHESIVE FOR 6" BROWN COVE BASE	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 88% Matrix 7% Non-fibrous (other)	None Detected
040416-18A <i>031609160-0050</i>	PENTHOUSE MECH RM - SPLINE CEILING PANELS (GRAY)	Brown/Gray Fibrous Homogeneous	35% Cellulose	58% Ca Carbonate 7% Non-fibrous (other)	None Detected
040416-18B <i>031609160-0051</i>	PENTHOUSE MECH RM - SPLINE CEILING PANELS (GRAY)	Brown/Gray Fibrous Homogeneous	45% Cellulose	40% Gypsum 15% Non-fibrous (other)	None Detected
040416-19A <i>031609160-0052</i>	PENTHOUSE MECH RM - ADHESIVE FOR SPLINE CEILING PANELS (GRAY)	Gray/Tan Non-Fibrous Homogeneous	18% Cellulose	20% Quartz 27% Gypsum 22% Ca Carbonate 13% Non-fibrous (other)	None Detected
Result includes a small amount of inseparable attached material					
040416-19B <i>031609160-0053</i>	PENTHOUSE MECH RM - ADHESIVE FOR SPLINE CEILING PANELS (GRAY)	Gray Non-Fibrous Homogeneous		45% Quartz 25% Gypsum 30% Non-fibrous (other)	None Detected
040416-20A <i>031609160-0054</i>	PENTHOUSER MECH RM FAN 4 - FLEX DUCT CONNECTOR (BLACK)	Tan/Black Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-20B <i>031609160-0055</i>	PENTHOUSER MECH RM FAN 4 - FLEX DUCT CONNECTOR (BLACK)	Brown Fibrous Homogeneous	92%	Cellulose	8% Non-fibrous (other) <b>None Detected</b>
040416-21A <i>031609160-0056</i>	PENTHOUSER MECH RM FAN 2 - FLEX DUCT CONNECTOR (BEIGE)	Brown/Beige Fibrous Homogeneous	98%	Cellulose	2% Non-fibrous (other) <b>None Detected</b>
040416-21B <i>031609160-0057</i>	PENTHOUSER MECH RM FAN 2 - FLEX DUCT CONNECTOR (BEIGE)	Brown Fibrous Homogeneous	92%	Cellulose	8% Non-fibrous (other) <b>None Detected</b>
040416-22A <i>031609160-0058</i>	B144 - BLACK SEAM MASTIC ON FAN VMT	Black Non-Fibrous Homogeneous			7% Quartz 30% Ca Carbonate 58% Non-fibrous (other) <b>5% Chrysotile</b>
040416-22B <i>031609160-0059</i>	B144 - BLACK SEAM MASTIC ON FAN VMT	Black Non-Fibrous Homogeneous			85% Matrix 11% Non-fibrous (other) <b>4% Chrysotile</b>
040416-23A <i>031609160-0060</i>	PENTHOUSE MECH RM - FIBERGLASS DUCT ADHESIVE (YELLOW)	Tan Non-Fibrous Homogeneous	26%	Glass	74% Non-fibrous (other) <b>None Detected</b>
040416-23B <i>031609160-0061</i>	PENTHOUSE MECH RM - FIBERGLASS DUCT ADHESIVE (YELLOW)	Yellow Non-Fibrous Homogeneous	3%	Glass	80% Matrix 17% Non-fibrous (other) <b>None Detected</b>

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-24A <i>031609160-0062</i>	PENTHOUSE MECH RM - END CAP SEALANT (WHITE)	White/Yellow Fibrous Heterogeneous	17% Glass	83% Non-fibrous (other)	<b>None Detected</b>
Result includes a small amount of inseparable attached material					
040416-24B <i>031609160-0063</i>	PENTHOUSE MECH RM - END CAP SEALANT (WHITE)	White Non-Fibrous Homogeneous	8% Glass	80% Matrix 12% Non-fibrous (other)	<b>None Detected</b>
040416-25A <i>031609160-0064</i>	ROOM 1528 - 12X12 BEIGE SPECKLED FOOR TILE	Gray/Beige Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (other)	<b>None Detected</b>
040416-25B <i>031609160-0065</i>	ROOM 1539 - 12X12 BEIGE SPECKLED FOOR TILE	Tan Non-Fibrous Homogeneous		60% Ca Carbonate 35% Matrix 5% Non-fibrous (other)	<b>None Detected</b>
040416-26A <i>031609160-0066</i>	ROOM 1528 - BLACK MASTIC FOR 12X12 BEIGE SPECKLED FLOOR TILE	Black Non-Fibrous Homogeneous	3% Cellulose	94% Non-fibrous (other)	<b>3% Chrysotile</b>
040416-26B <i>031609160-0067</i>	ROOM 1539 - BLACK MASTIC FOR 12X12 BEIGE SPECKLED FLOOR TILE	Black Non-Fibrous Homogeneous		88% Matrix 8% Non-fibrous (other)	<b>4% Chrysotile</b>
040416-27A <i>031609160-0068</i>	OPERATION RM 4 - WALL GROUT (WHITE) FOR 4X4 GREEN CERAMIC WALL TILE	White Non-Fibrous Homogeneous		7% Quartz 74% Ca Carbonate 19% Non-fibrous (other)	<b>None Detected</b>

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-27B 031609160-0069	OPERATION RM 4 - WALL GROUT (WHITE) FOR 4X4 GREEN CERAMIC WALL TILE	Tan Non-Fibrous Homogeneous		45% Gypsum 25% Ca Carbonate 30% Non-fibrous (other)	None Detected
040416-28A 031609160-0070	OPERATION RM 4 - SETTING COMPOUND (WHITE) FOR 4X4 GREEN CERAMIC WALL TILE	Gray Non-Fibrous Homogeneous		58% Quartz 42% Non-fibrous (other)	None Detected
040416-28B 031609160-0071	OPERATION RM 4 - SETTING COMPOUND (WHITE) FOR 4X4 GREEN CERAMIC WALL TILE	White Non-Fibrous Homogeneous		25% Quartz 45% Gypsum 30% Non-fibrous (other)	None Detected
040416-29A 031609160-0072	AT WAITING RM 1 - BROWN SHEET MATERIAL ON DESK	Brown Non-Fibrous Homogeneous	20% Hair	12% Ca Carbonate 68% Non-fibrous (other)	None Detected
040416-29B 031609160-0073	AT WAITING RM 1 - BROWN SHEET MATERIAL ON DESK	Brown Non-Fibrous Homogeneous	35% Cellulose	45% Matrix 20% Non-fibrous (other)	None Detected
040416-30A 031609160-0074	AT WAITING RM 1 - BURLAP BACKING ON BROWN SHEETING ON DESK	Brown Non-Fibrous Homogeneous	40% Cellulose	35% Matrix 25% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-30B 031609160-0075	AT WAITING RM 1 - BURLAP BACKING ON BROWN SHEETING ON DESK	Brown Non-Fibrous Homogeneous		88% Matrix 12% Non-fibrous (other)	None Detected
040416-31A 031609160-0076	AT WAITING RM 1 - BACKING FOR BROWN SHEET MATERIAL ON DESK	Brown Fibrous Homogeneous	86% Cellulose	14% Non-fibrous (other)	None Detected
040416-31B 031609160-0077	AT WAITING RM 1 - BACKING FOR BROWN SHEET MATERIAL ON DESK	Brown Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (other)	None Detected
040416-32A 031609160-0078	CORRIDOR O/S RM 513 - 6" BLACK COVE BASE	Black Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (other)	None Detected
040416-32B 031609160-0079	CORRIDOR O/S RM 513 - 6" BLACK COVE BASE	Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (other)	None Detected
040416-33A 031609160-0080	CORRIDOR O/S RM 513 - YELLOW ADHESIVE FOR 6" BLACK COVEBASE	Brown Non-Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
040416-33B <i>031609160-0081</i>	CORRIDOR O/S RM 513 - YELLOW ADHESIVE FOR 6" BLACK COVEBASE	Yellow Non-Fibrous Homogeneous		85% Matrix 15% Non-fibrous (other)	None Detected
040416-34A <i>031609160-0082</i>	OPERATION RM 3 - BLACK SHEET FLOORING	Brown Non-Fibrous Homogeneous	37% Cellulose	63% Non-fibrous (other)	None Detected
040416-34B <i>031609160-0083</i>	OPERATION RM 4 - BLACK SHEET FLOORING	Black Non-Fibrous Homogeneous	12% Cellulose	25% Ca Carbonate 60% Matrix 3% Non-fibrous (other)	None Detected
040416-35A <i>031609160-0084</i>	OPERATION RM 3 - BLACK MASTIC FOR BLACK SHEET FLOORING	Black Non-Fibrous Homogeneous	25% Hair 14% Cellulose	61% Non-fibrous (other)	None Detected
040416-35B <i>031609160-0085</i>	OPERATION RM 4 - BLACK MASTIC FOR BLACK SHEET FLOORING	Tan Non-Fibrous Homogeneous	15% Cellulose	75% Matrix 10% Non-fibrous (other)	None Detected
040416-36A <i>031609160-0086</i>	ROOM 503 - 12X12 WHITE FLOOR TILE	White Non-Fibrous Homogeneous		38% Ca Carbonate 62% Non-fibrous (other)	None Detected
040416-36B <i>031609160-0087</i>	CORRIDOR O/S 503 - 12X12 WHITE FLOOR TILE	Tan Non-Fibrous Homogeneous		60% Ca Carbonate 35% Matrix 5% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/07/2016 12:51:58



**EMSL Analytical, Inc.**

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Phone/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com>[manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order:	031609160
CustomerID:	ATCE54
CustomerPO:	16-10133-0001
ProjectID:	

Attn: **Ed Fennell**  
**ATC Group Services LLC**  
**290 Roberts Street**  
**Suite 301**  
**East Hartford, CT 06108**

Phone: (860) 282-9924  
 Fax: (860) 282-9826  
 Received: 04/05/16 10:30 AM  
 Analysis Date: 4/7/2016  
 Collected: 4/4/2016

Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-37A <i>031609160-0088</i>	ROOM 503 - BLACK MASTIC FOR 12X12 WHITE FLOOR TILE	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% <b>Chrysotile</b>
040416-37B <i>031609160-0089</i>	CORRIDOR O/S 503 - BLACK MASTIC FOR 12X12 WHITE FLOOR TILE	Black Non-Fibrous Homogeneous		85% Matrix 10% Non-fibrous (other)	5% <b>Chrysotile</b>
040416-38A <i>031609160-0090</i>	VISITOR LOUNGE AT 4B - 1'X1' WHITE CEILING TILE	White Non-Fibrous Homogeneous		70% Gypsum 13% Ca Carbonate 17% Non-fibrous (other)	<b>None Detected</b>
040416-38B <i>031609160-0091</i>	VISITOR LOUNGE AT 4B - 1'X1' WHITE CEILING TILE	White Non-Fibrous Homogeneous		65% Gypsum 35% Non-fibrous (other)	<b>None Detected</b>
040416-39A <i>031609160-0092</i>	VISITOR LOUNGE AT 4B - DARK BROWN GLUE DAUBS FOR 1'X1' WHITE CEILING TILE	Brown Non-Fibrous Homogeneous	1% Cellulose	70% Matrix 29% Non-fibrous (other)	<b>None Detected</b>
040416-39B <i>031609160-0093</i>	VISITOR LOUNGE AT 4B - DARK BROWN GLUE DAUBS FOR 1'X1' WHITE CEILING TILE	Brown Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (other)	<b>None Detected</b>

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/07/2016 12:51:58

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<http://www.EMSL.com>[manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order:	031609160
CustomerID:	ATCE54
CustomerPO:	16-10133-0001
ProjectID:	

Attn: **Ed Fennell**  
**ATC Group Services LLC**  
**290 Roberts Street**  
**Suite 301**  
**East Hartford, CT 06108**

Phone: (860) 282-9924  
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 Received: 04/05/16 10:30 AM  
 Analysis Date: 4/7/2016  
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Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-40A <i>031609160-0094</i>	CHAPEL - DARK BROWN GLUE DAUBS FOR 1'X1' FIBERGLASS WALL TILE	Brown Non-Fibrous Homogeneous	2% Glass	98% Non-fibrous (other)	None Detected
040416-40B <i>031609160-0095</i>	CHAPEL - DARK BROWN GLUE DAUBS FOR 1'X1' FIBERGLASS WALL TILE	Brown Fibrous Homogeneous	<1% Fibrous (other) 2% Hair	85% Matrix 13% Non-fibrous (other)	None Detected
040416-41A <i>031609160-0096</i>	4A NURSES STATION - CMU BLOCK (GRAY)	Gray Non-Fibrous Homogeneous		60% Quartz 30% Ca Carbonate 10% Non-fibrous (other)	None Detected
040416-41B <i>031609160-0097</i>	4A NURSES STATION - CMU BLOCK (GRAY)	Gray Non-Fibrous Homogeneous		40% Quartz 45% Gypsum 15% Non-fibrous (other)	None Detected
040416-42A <i>031609160-0098</i>	4A NURSES STATION - LIGHT GRAY MORTAR FOR CMU BLOCK	Brown/Gray Non-Fibrous Homogeneous		55% Quartz 37% Ca Carbonate 8% Non-fibrous (other)	None Detected
040416-42B <i>031609160-0099</i>	4A NURSES STATION - LIGHT GRAY MORTAR FOR CMU BLOCK	Gray Non-Fibrous Homogeneous		40% Quartz 35% Gypsum 25% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/07/2016 12:51:58

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EMSL Order:	031609160
CustomerID:	ATCE54
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ProjectID:	

Attn: **Ed Fennell**  
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**290 Roberts Street**  
**Suite 301**  
**East Hartford, CT 06108**

Phone: (860) 282-9924  
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 Received: 04/05/16 10:30 AM  
 Analysis Date: 4/7/2016  
 Collected: 4/4/2016

Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-43A <i>031609160-0100</i>	CORRIDOR O/S RM 459 - RADIATOR COVER INSULATION ( GREEN BROWN )	Brown/Tan/Green Non-Fibrous Homogeneous	1% <1%	Cellulose Glass	45% Matrix 54% Non-fibrous (other) <b>None Detected</b>
040416-43B <i>031609160-0101</i>	CORRIDOR O/S RM 459 - RADIATOR COVER INSULATION ( GREEN BROWN )	Green Non-Fibrous Homogeneous			40% Matrix 25% Perlite 35% Non-fibrous (other) <b>None Detected</b>
040416-44A <i>031609160-0102</i>	ROOM 459 - TAN SHEET FLOORING AND BACKING	Brown Non-Fibrous Homogeneous	24%	Hair	76% Non-fibrous (other) <b>None Detected</b>
040416-44B <i>031609160-0103</i>	ROOM 459 - TAN SHEET FLOORING AND BACKING	Tan Non-Fibrous Homogeneous	20%	Cellulose	65% Matrix 15% Non-fibrous (other) <b>None Detected</b>
040416-45A <i>031609160-0104</i>	ROOM 430 - BLACK/ GRAY SHEET FLOORING	Gray/Black Fibrous Homogeneous	43%	Cellulose	57% Non-fibrous (other) <b>None Detected</b>
040416-45B <i>031609160-0105</i>	ROOM 430 - BLACK/ GRAY SHEET FLOORING	Gray/Black Fibrous Homogeneous	30%	Cellulose	65% Matrix 5% Non-fibrous (other) <b>None Detected</b>
040416-46A <i>031609160-0106</i>	ROOM 436 - BLACK BACKING FOR BLACK/ GRAY SHEET FLOORING	Black Fibrous Homogeneous	47%	Cellulose	53% Non-fibrous (other) <b>None Detected</b>

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 04/07/2016 12:51:58

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Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040416-46B <i>031609160-0107</i>	ROOM 436 - BLACK BACKING FOR BLACK/GRAY SHEET FLOORING	Black Non-Fibrous Homogeneous	25% Cellulose	60% Matrix 15% Non-fibrous (other)	<b>None Detected</b>
040416-47A <i>031609160-0108</i>	ROOM 428 - GRAY CEMENTICIOUS FLOORING	Gray Non-Fibrous Homogeneous		67% Quartz 25% Ca Carbonate 8% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
040416-47B <i>031609160-0109</i>	ROOM 428 - GRAY CEMENTICIOUS FLOORING	Gray Non-Fibrous Homogeneous		45% Quartz 35% Gypsum 20% Non-fibrous (other)	<b>None Detected</b>
040416-48A <i>031609160-0110</i>	ROOM 458 - 4" BLACK COVEBASE	Black Non-Fibrous Homogeneous		14% Ca Carbonate 86% Non-fibrous (other)	<b>None Detected</b>
040416-48B <i>031609160-0111</i>	ROOM 458 - 4" BLACK COVEBASE	Black Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	<b>None Detected</b>
040416-49A <i>031609160-0112</i>	ROOM 458 - BROWN ADHESIVE FOR 4" BLACK COVE BASE	Brown Non-Fibrous Homogeneous	19% Cellulose	81% Non-fibrous (other)	<b>None Detected</b>
040416-49B <i>031609160-0113</i>	ROOM 458 - BROWN ADHESIVE FOR 4" BLACK COVE BASE	Brown Non-Fibrous Homogeneous	2% Fibrous (other)	88% Matrix 10% Non-fibrous (other)	<b>None Detected</b>

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Initial report from 04/07/2016 12:51:58



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CustomerID: ATCE54  
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Attn: **Ed Fennell**  
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**East Hartford, CT 06108**

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Received: 04/05/16 10:30 AM  
Analysis Date: 4/7/2016  
Collected: 4/4/2016

Project: **2257316017/ CTDCS/ ROCKY HILL VA - BUILDING 5/ 287 WEST STREET, ROCKY HILL CT**

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date:: 4/5/2016      Sample Receipt Time: 10:30 AM  
Analysis Completed Date: 4/7/2016      Analysis Completed Time: 10:31 AM

**Analyst(s):**

Emmanuel Moise PLM (64)

Emily Myint PLM (49)

**Samples reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

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Initial report from 04/07/2016 12:51:58



# BULK SAMPLE LOG

GROUP SERVICES LLC

Page 1 of 8

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031609160

Cardno ATC Inspector: <u>CARMEN JACKS</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>812</u>		Project No./Task No.: <u>2257316017</u>					
Survey Date: <u>4-4-2016</u>		Project Manager: <u>ED FENNEL</u>					
Signature: <u>[Signature]</u>		Requested Completion Date: _____					
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) <u>3 HR</u> 6 HR 24 HR 48 HR 3 DY 5 DY					
Building: <u>ROCKY HILL VA - BUILDING 5</u>		Address: <u>287 WEST STREET, ROCKY HILL CT</u>					
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
<u>9S ROOM 1520</u>	<u>CEILING PLASTER SKIM COAT</u>					<u>1</u>	<u>040414 - 1A</u>
<u>5D WING NURSE'S STAT</u>	<u>(WHITE)</u>					<u>2</u>	<u>-1B</u>
<u>STAIRWELL TO PENTHOUSE</u>	<u> </u>					<u>3</u>	<u>-1C</u>
<u>CORRIDOR 9S 444</u>	<u> </u>					<u>4</u>	<u>-1D</u>
<u>4A WING NURSE'S STAT</u>	<u> </u>					<u>5</u>	<u>-1E</u>
<u>9S ROOM 1520</u>	<u>CEILING PLASTER BASE COAT</u>					<u>1</u>	<u>-2A</u>
<u>5D WING NURSE'S STAT</u>	<u>(SPRAY)</u>					<u>2</u>	<u>-2B</u>
<u>STAIRWELL TO PENTHOUSE</u>	<u> </u>					<u>3</u>	<u>-2C</u>
<u>CORRIDOR 9S 444</u>	<u> </u>					<u>4</u>	<u>-2E</u>
<u>4A WING NURSE'S STAT</u>	<u> </u>					<u>5</u>	<u>-2F</u>
<u>WING 5C NURSE'S STATION</u>	<u>2' X 4' WHITE FISSURED</u>					<u>1</u>	<u>-3A</u>
<u>WING 5A NURSE'S STATION</u>	<u>CELLING TILE</u>					<u>2</u>	<u>-3B</u>
<u>ROOM 1511</u>	<u>WALL PLASTER SKIM COAT</u>					<u>1</u>	<u>-4A</u>
<u>ROOM 1519</u>	<u>(WHITE)</u>					<u>2</u>	<u>-4B</u>

Comments: ANALYZE PLM

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft- 1-6ft- >6ft) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) 4-4-2016

Disturbance Factors: Ventilation (yes-no; if yes, type) Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-moderate-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: [Signature] 4-4-2016 Received By/Date: [Signature] 4/5/16 10:30am

Relinquished By/Date: [Signature] 4-7-16 10:35A Received By/Date: [Signature] 4/16/16

EMSL 8091 1423 8665

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# BULK SAMPLE LOG

Page 2 of 8

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
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081609160

Cardno ATC Inspector: <b>CARMEN JACKS</b>		Client Name: <b>CTDCS</b>					
Accreditation No.: <b>812</b>		Project No./Task No.: <b>2257316017</b>					
Survey Date: <b>4-4-2016</b>		Project Manager: <b>ED FENNELL</b>					
Signature: <i>[Signature]</i>		Requested Completion Date: _____					
Lab Name: <b>EMSL</b>	Requested turnaround time (circle) <b>3 HR</b>	<b>6 HR</b>	<b>24 HR</b>				
Building: <b>ROCKY HILL VA - BUILDING 5</b>		<b>48 HR</b>	<b>3 DY</b>				
Address: <b>287 WEST STREET, ROCKY HILL CT</b>		No. Samples Collected <b>113</b>					
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Room 1539 O/S ROOM 459 4A WING NURSE'S STAT.	WALL PLASTER SKIM COAT (WHITE) 					3 4 5	040412 -4C -4D -4E
Room 1511 Room 1519 Room 1539 O/S ROOM 459 4A WING NURSE'S STAT	WALL PLASTER BASE COAT (GRAY) 					1 2 3 4 5	-5A -5B MSC -5D -5E
Room 1517 Room 443 CORRIDOR BAT 420.421	WALL GYPSUM (GRAY)					1 2 3	-6A -6B -6C
Room 1517 Room 448	WALL JOINT COMPOUND (WHITE) ANALYZE: PLM					1 2 3	77A 77B

Comments:

Notes  
 Damage Factors:  
 Disturbance Factors:

Water (extensive-moderate-slight-none)  
 Accessibility (within reach-barely-reachable-not reachable)  
 Air conduits (air plenum - air shaft - elevator shaft - duct)  
 Physical (sig dmg-dmg-no dmg)  
 Proximity (<1ft- 1-6ft- >6ft)  
 Ventilation (yes-no; if yes, type)

Deterioration (heavy-moderate-light-none)  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)  
 Air movement (high-moderate-low)

Friability (yes-no; hard-mod-soft surface)  
 Barriers (perm airtight-enclosed-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

Relinquished By/Date:  
 Relinquished By/Date:

Received By/Date:  
 Received By/Date:

*[Signature]*  
 4-16-16 1:58pm

*[Signature]* 4-7-16 10:35A

EM 4/6/16



# BULK SAMPLE LOG

Page 3 of 8

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

021609160

Cardno ATC Inspector: <b>CARMEN JACKS</b>		Client Name: <b>CTDCS</b>					
Accreditation No.: <b>812</b>		Project No./Task No.: <b>2257316017</b>					
Survey Date: <b>4-4-2016</b>		Project Manager: <b>ED FENNELL</b>					
Signature:		Requested Completion Date:					
Lab Name: <b>EMSL</b>		Requested turnaround time (circle) <b>3 HR</b> 6 HR 24 HR 48 HR 3 DY 5 DY					
Building: <b>ROCKY HILL VA - BUILDING 5</b>		Address: <b>287 WEST STREET, ROCKY HILL CT</b>					
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
CORRIDOR BKT. 420-421	WALL JOINT COMPOUND (WHITE)					3	040412 -7C
BATHROOM 1509	LAYER PAPER INSULATION (WHITE)					1	-8A
ROOM 1510						2	8B
ROOM 410						3	-8C
ROOM 1518	FIRE DOOR INSULATION (GRAY)					1	+9A
ROOM 1519						2	-9B
ROOM 1513	BEIGE PEBBLED SHEET FLOORING WITH BANKING					1	-10A
ROOM 1513	BLACK SINK UNDERCOATING					2	-10B
ROOM 1507	BROWN CARPET ADHESIVE					1	-11A
ROOM 1520						2	-11B
ROOM 1512	12 x 12 BEIGE STRAISED FLOOR TILE					1	-12A
ROOM 1520						2	-12B
ANALYZE PLM							

Comments:

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low) Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: 4-4-2016  
 Relinquished By/Date: 4-7-16 00:35A  
 Received By/Date: 4/5/16 10:30am  
 Received By/Date: 4/6/16





# BULK SAMPLE LOG

Page 4 of 8

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031609160

Cardno ATC Inspector: <b>CARMEN JACKS</b>		Client Name: <b>CTDCS</b>					
Accreditation No.: <b>812</b>		Project No./Task No.: <b>22S7316017</b>					
Survey Date: <b>4-4-2016</b>		Project Manager: <b>ED FENNEL</b>					
Signature: <i>[Signature]</i>		Requested Completion Date: _____					
Lab Name: <b>EMSL</b>	Requested turnaround time (circle) <b>3 HR</b>	<b>6 HR</b>	<b>24 HR</b>				
Building: <b>ROCKY HILL VA - BUILDING 5</b>		<b>48 HR</b>	<b>3 DY</b>				
Address: <b>287 WEST STREET, ROCKY HILL CT</b>		No. Samples Collected: <b>113</b>					
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
ROOM 1512	BLACK MASTIC FOR 12 X 12 BEIGE STAINED FLOOR TILES					1	040412 -14A
ROOM 1520						2	-14B
MECHANICAL RM 510	FLEX DUCT CONNECTOR (DARK GRAY)					1	-15A
						2	-15B
SPWINE NUSS'S STAT.	6" BROWN COVE BASE					1	-16A
						2	-16B
	BROWN ADHESIVE FOR 6" BROWN COVE BASE					1	-17A
						2	-17B
PENTHOUSE MECH RM	SPLINE CEILING PANELS (GRAY)					1	-18A
						2	-18B
PENTHOUSE MECH RM	ADHESIVE FOR SPLINE CEILING PANELS (GRAY)					1	-19A
						2	-19B
PENTHOUSE MECH RM	FLEX DUCT CONNECTOR (BLACK)					1	-20A
						2	-20B
PENTHOUSE MECH RM	FLEX DUCT CONNECTOR (BEIGE)					1	-21A
						2	-21B

Comments:

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable)  
 Disturbance Factors: Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct)

Relinquished By/Date: *[Signature]* 4-4-2016  
 Relinquished By/Date: *[Signature]* 4-7-16 10:35A

Received By/Date: *[Signature]* 4/5/16 10:30am  
 Received By/Date: *[Signature]* ERM 4/6/16

Frailability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

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# BULK SAMPLE LOG

Page 5 of 8

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031609160

Cardno ATC Inspector: CARMEN JACKS		Client Name: CTDCS	
Accreditation No.: 812		Project No./Task No.: 2257316017	
Survey Date: 4-4-2016		Project Manager: ED FENNEL	
Signature: <i>[Signature]</i>		Requested Completion Date:	
Lab Name: EMSL	Requested turnaround time (circle): 3 HR	6 HR	24 HR
Building: ROCKY HILL VA - BUILDING 5		48 HR	5 DY
Address: 287 WEST STREET, ROCKY HILL CT		No. Samples Collected: 113	

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
B144	BLACK SEAM MASTIC ON FAN UNIT					1	040416 - 22A
PENTHOUSE MECH RM	FIBERGLASS DUST ADHESIVE (YELLOW)					2	-22B
PENTHOUSE MECH RM	END CAP SEALANT (WHITE)					1	-23A
ROOM 1528	12x12 BEIGE <del>SPARKLE</del>					2	-23B
ROOM 1539	SPECKLED FLOOR TILE					1	-24A
ROOM 1528	BLACK MASTIC FOR 12 x 12					2	-24B
ROOM 1539	BEIGE SPECKLED FLOOR TILE					1	-25A
OPERATING RM 4	WALL GROUT (WHITE) FOR 4x4 GREEN CERAMIC WALL TILE					2	-25B
	SETTING COMPOUND (WHITE) FOR 4x4 GREEN CERAMIC WALL TILE					1	-26A
AT WAITING RM. 1	BROWN SHEET MATERIAL ON DESK					2	-26B
	ANALYZE PLM					1	-27A
						2	-27B
						1	-28A
						2	-28B
						1	-29A
						2	-29B

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no, hard-mod-soft surface)

Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Barriers (perm airtight-enclosed-encapsulated)

Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: *[Signature]* 4-4-2016 Received By/Date: *[Signature]* 4/16/16 10:30am

Relinquished By/Date: *[Signature]* 4-7-16 10:35A Received By/Date: *[Signature]* 4/16/16

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# BULK SAMPLE LOG

Page 6 of 8

290 Roberts Street, Suite 301  
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 (860) 282-9924 Fax: (860) 282-9826

*031609160*

Cardno ATC Inspector: <u>CARMEN JACKS</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>812</u>		Project No./Task No.: <u>2257316017</u>					
Survey Date: <u>4-4-2016</u>		Project Manager: <u>ED FENNELL</u>					
Signature: <i>[Signature]</i>		Requested Completion Date: _____					
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) <u>3 HR</u> 6 HR 24 HR <u>48 HR</u> 3 DY 5 DY					
Building: <u>ROCKY HILL VA - BUILDING 5</u>		Address: <u>287 WEST STREET, ROCKY HILL CT</u>					
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample <u>of</u> (homogeneous material)	Field Number
AT WAITING RM 1	BURLAP BACKING ON BROWN SHEETING ON DESK					1 2	040416 -30A -30B
	BACKING FOR BROWN SHEET MATERIAL ON DESK					1 2	-31A -31B
CORRIDOR 0/5 RM 513	6" BLACK CORE BASE					1 2	-32A -32B
	YELLOW ADHESIVE FOR 6" BLACK CORE BASE					1 2	-33A -33B
OPERATING RM 3	BLACK SHEET FLOORING					1 2	-34A -34B
OPERATING RM 4	BLACK MASTIC FOR BLACK SHEET FLOORING					1 2	-35A -35B
ROOM 503	12 x 12 WHITE FLOOR TILE					1 2	-36A -36B
CORRIDOR 0/5 503	BLACK MASTIC FOR 12 x 12 WHITE FLOOR TILE					1 2	-37A -37B
ROOM 503	ANALYZE PLM						

Comments:

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable)  
 Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) 4-4-2013  
 Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)  
 Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)  
 Received By/Date: *[Signature]* Received By/Date: 4/5/16 10:30am  
 Relinquished By/Date: *[Signature]* Relinquished By/Date: 4-7-16 10:35A

*EM 4/16/16*



# BULK SAMPLE LOG

Page 7 of 8

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

081609160

Cardno ATC Inspector: CARMEN JACKS		Client Name: CTDES					
Accreditation No.: 812		Project No./Task No.: 2257316017					
Survey Date: 4-4-2016		Project Manager: ED FENNEL					
Signature:		Requested Completion Date:					
Lab Name: EMSL	Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY	No. Samples Collected 113					
Building: ROCKY HILL VA - BUILDING 5 Address: 287 WEST STREET, ROCKY HILL CT							
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
VISITOR LOUNGE 43B	1' x 1' WHITE CEILING TILE					1 2	040416 -38A -38B
VISITOR LOUNGE 44B	DARK BROWN GUV DAUBS FOR 1' x 1' WHITE CEILING TILE					1 2	-39A -39B
CHAPEL	DARK BROWN GUV DAUBS FOR 1' x 1' FIBERGLASS WALL TILE					1 2	-40A -40B
4A NURSE'S STATION	CMU BLOCK (GRAY)					1 2	-41A -41B
	LIGHT GRAY MORTAR FOR CMU BLOCK					1 2	-42A -42B
CORRIDOR 459 RM 459	RADIATOR COVER INSULATION (GREEN BROWN)					1 2	-43A -43B
ROOM 459	TAN-SHEET FLOORING AND BACKING					1 2	-44A -44B
ROOM 430	BLACK/GRAY SHEET FLOORING					1 2	-45A -45B

Comments: ANALYZE PLM

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type) 4-4-2016  
 Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)  
 Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)  
 Relinquished By/Date: [Signature] Received By/Date: Samuel Anthony 4/5/16 10:30am  
 Relinquished By/Date: [Signature] Received By/Date: EKM 4/16/16

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# BULK SAMPLE LOG

Page 8 of 8

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031609160

Cardno ATC Inspector: CARMEN JACKS Client Name: CTDCS

Accreditation No.: 812 Project No./Task No.: 2257316017

Survey Date: 4-4-2016 Project Manager: ED FENNEL

Signature: [Signature] Requested Completion Date: \_\_\_\_\_

Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 113

Building: ROCKY HILL VA - BUILDING 5 Address: 287 WEST STREET, ROCKY HILL CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Room 436	BLACK BACKING FOR BLACK/GRAY SHEET FLOORING					1 2	040416-46A -46B
Room 428	GRAY CEMENTICIOUS FLOORING					1 2	-47A -47B
Room 458	4" BLACK COVE BASE					1 2	-48A -48B
	BROWN ADHESIVE FOR 4" BLACK COVE BASE					1 2	-49A -49B

Comments: ANALYZE PLM

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Proximity (<1ft- 1-6ft- >6ft) Accessibility (within reach-barely reachable-not reachable)  
 Disturbance Factors: Ventilation (yes-no; if yes-type) Air conduits (air plenum - air shaft - elevator shaft - duct)

Relinquished By/Date: [Signature] 4-4-2013  
 Relinquished By/Date: [Signature] 4-7-16 10:35A

Deterioration (heavy-moderate-light-none)  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)  
 Air movement (high-moderate-low)

Received By/Date: [Signature] 4/5/16 10:30am  
 Received By/Date: \_\_\_\_\_

Fraility (yes-no; hard-mod-soft surface)  
 Barriers (perm airtight-enclosed-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

EMM 4/6/16



# EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492  
Tel/Fax: (203) 284-5948 / (203) 284-5978  
<http://www.EMSL.com/wallingfordlab@emsl.com>

EMSL Order: 241601839  
Customer ID: ATCE54  
Customer PO: 16-10133-0001  
Project ID:

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316017/VA BUILDING 5, ROCKY HILL, CT

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 05/09/2016 1:00 PM  
**Analysis Date:** 05/12/2016  
**Collected Date:** 05/06/2016

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
050916-1A 241601839-0001	Corridor o/s 1520 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
050916-1B 241601839-0002	Corridor o/s 1521 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
050916-1C 241601839-0003	Room 1521 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
050916-1D 241601839-0004	Corridor o/s 1512 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
050916-1E 241601839-0005	Corridor o/s 1506 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
050916-1F 241601839-0006	Corridor o/s 1526 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
050916-1G 241601839-0007	Corridor o/s 1539 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
050916-1H 241601839-0008	Room 1541 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
050916-2A 241601839-0009	Corridor o/s 1520 - ceiling plaster base (tan)	White Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
050916-2B 241601839-0010	Corridor o/s 1521 - ceiling plaster base (tan)	White Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
050916-2C 241601839-0011	Room 1521 - ceiling plaster base (tan)	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
050916-2D 241601839-0012	Corridor o/s 1512 - ceiling plaster base (tan)	White Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
050916-2E 241601839-0013	Corridor o/s 1506 - ceiling plaster base (tan)	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
050916-2F 241601839-0014	Corridor o/s 1526 - ceiling plaster base (tan)	Tan Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
050916-2G 241601839-0015	Corridor o/s 1539 - ceiling plaster base (tan)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial Report From: 05/12/2016 15:37:22



# EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492  
Tel/Fax: (203) 284-5948 / (203) 284-5978  
<http://www.EMSL.com> / [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

EMSL Order: 241601839  
Customer ID: ATCE54  
Customer PO: 16-10133-0001  
Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
050916-2H <i>241601839-0016</i>	Room 1541 - ceiling plaster base (tan)	Tan Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
050916-3A <i>241601839-0017</i>	Corridor o/s 1329 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
050916-3B <i>241601839-0018</i>	Room 1335 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
050916-3C <i>241601839-0019</i>	Corridor o/s 1335 - ceiling plaster skim (white)	Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
050916-4A <i>241601839-0020</i>	Corridor o/s 1329 - ceiling plaster base (tan) <i>The sample group is not homogeneous.</i>	White Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
050916-4B <i>241601839-0021</i>	Room 1335 - ceiling plaster base (tan) <i>The sample group is not homogeneous.</i>	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
050916-4C <i>241601839-0022</i>	Corridor o/s 1355 - ceiling plaster base (tan) <i>The sample group is not homogeneous.</i>	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
050916-5A <i>241601839-0023</i>	Room 1334 - ceiling plaster skim (white)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
050916-5B <i>241601839-0024</i>	Room 1334 - ceiling plaster skim (white)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
050916-5C <i>241601839-0025</i>	Room 1334 - ceiling plaster skim (white)	Gray Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
050916-6A <i>241601839-0026</i>	Room 1334 - ceiling plaster base (tan)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
050916-6B <i>241601839-0027</i>	Room 1334 - ceiling plaster base (tan)	Gray Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
050916-6C <i>241601839-0028</i>	Room 1334 - ceiling plaster base (tan)	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
050916-7A <i>241601839-0029</i>	3D-wall @ nurses station - wall plaster skim (white)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
050916-7B <i>241601839-0030</i>	Room 1336 - wall plaster skim (white)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
050916-7C <i>241601839-0031</i>	Room 1326 - wall plaster skim (white)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
050916-8A <i>241601839-0032</i>	3D-wall @ nurses station - wall plaster base (tan)	Gray Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected



# EMSL Analytical, Inc.


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Tel/Fax: (203) 284-5948 / (203) 284-5978  
<http://www.EMSL.com> / [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

EMSL Order: 241601839  
Customer ID: ATCE54  
Customer PO: 16-10133-0001  
Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
050916-8B <small>241601839-0033</small>	Room 1336 - wall plaster base (tan)	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
050916-8C <small>241601839-0034</small>	Room 1326 - wall plaster base (tan)	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
050916-9A <small>241601839-0035</small>	Room 1332 - 12x12 white speckled floor tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
050916-9B <small>241601839-0036</small>	Room 1337 - 12x12 white speckled floor tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
050916-10A <small>241601839-0037</small>	Room 1332 - black mastic for 12x12 white speckled floor tile	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
050916-10B <small>241601839-0038</small>	Room 1337 - black mastic for 12x12 white speckled floor tile	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
050916-11A <small>241601839-0039</small>	Corridor o/s 1323 - 12x12 white streaked floor tile	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
050916-11B <small>241601839-0040</small>	Corridor o/s 1337 - 12x12 white streaked floor tile	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
050916-12A <small>241601839-0041</small>	Corridor o/s 1323 - black mastic for 12x12 white streaked floor tile	Black Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
050916-12B <small>241601839-0042</small>	Corridor o/s 1337 - black mastic for 12x12 white streaked floor tile	Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile

Analyst(s)  
Jeremy Patino (16)  
Kristin Lopez (26)

  
Lauren Brennan, Asbestos Lab Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial Report From: 05/12/2016 15:37:22





GROUP SERVICES LLC

241601839

**BULK SAMPLE LOG**

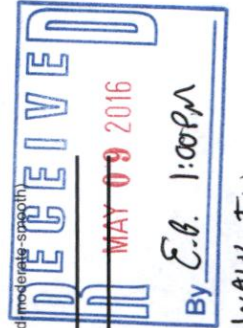
290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: CARMEN JACKO / STAN SZELAG Client Name: CTDCS  
 Accreditation No.: 812 / 493 Project No./Task No.: 2257316017  
 Survey Date: 5-6-2014 Project Manager: ED FENNEL  
 Signature: [Signature] Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 42  
 Building: VA BUILDING 5 Address: ROCKY HILL, CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
CORRIDOR #/S 1520	CEILING PLASTER SKIM (WHITE)	S		N		1	050916 -1A
CORRIDOR #/S 1521						2	
ROOM 1521		S		N		3	-1C
CORRIDOR #/S 1512						4	
CORRIDOR #/S 1504		S		N		5	-1E
CORRIDOR #/S 1526						6	
CORRIDOR #/S 1539		S		N		7	-1G
ROOM 1541						8	
CORRIDOR #/S 1520	CEILING PLASTER BASE (GRAY)	S		N		1	-2A
CORRIDOR #/S 1521						2	
ROOM 1521		S		N		3	-2C
CORRIDOR #/S 1512						4	
CORRIDOR #/S 1504		S		N		5	-2E
CORRIDOR #/S 1526						6	
CORRIDOR #/S 1539		S		N		7	-2G
ROOM 1541						8	

Comments: ANALYZE PLM

Notes: \_\_\_\_\_  
 Damage Factors: \_\_\_\_\_  
 Disturbance Factors: \_\_\_\_\_  
 Physical (sig dmg-dmg-no dmg) \_\_\_\_\_  
 Proximity (<1ft-1-6ft->6ft) \_\_\_\_\_  
 Ventilation (yes-no; if yes, type) \_\_\_\_\_  
 Relinquished By/Date: [Signature] 5-9-2014  
 Relinquished By/Date: \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_  
 Friability (yes-no; hard-mod-soft surface) \_\_\_\_\_  
 Barriers (perm airtight-enclosed-encapsulated) \_\_\_\_\_  
 Texture (rough-pitted-moderate-smooth) \_\_\_\_\_





GROUP SERVICES LLC

# BULK SAMPLE LOG

241601839

Page 2 of 3

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: CARMEN JACKO / STAN SZELAG Client Name: CTDCS  
 Accreditation No.: 812 / 493 Project No./Task No.: 2257316017  
 Survey Date: 5-6-2014 Project Manager: ED FENNEL  
 Signature: [Signature] Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 42  
 Building: VA BUILDING 5 Address: ROCKY HILL, CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
CORRIDOR 0/S 1329	CEILING PLASTER SKIM (WHITE)	S		N		1	050916 -3A
ROOM 1335					2	-3B	
CORRIDOR 0/S 1335						3	
CORRIDOR 0/S 1329	CEILING PLASTER BASE (TAN)	S		N		1	-4A
ROOM 1335					2	-4B	
CORRIDOR 0/S 1335						3	
ROOM 1334	CEILING PLASTER SKIM (WHITE)	S		N		1	-5A
ROOM 1334					2	-5B	
ROOM 1334						3	
ROOM 1334	CEILING PLASTER BASE (TAN)	S		N		1	-6A
ROOM 1334					2	-6B	
ROOM 1334						3	

ANALYZE PLM

Comments:

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Friability (yes-no; hard-mod-soft surface)  
 Disturbance Factors: Proximity (<1ft. -1-6ft. >6ft) Barriers (perm airtight-enclosed-encapsulated)  
 Ventilation (yes-no; if yes, type) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_



**241601839 BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

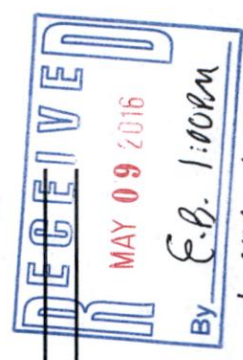
Cardno ATC Inspector: CARMEN JACKO/STAN SZELAG Client Name: CTDCS  
 Accreditation No.: 812 / 493 Project No./Task No.: 2257316017  
 Survey Date: 5-6-2016 Project Manager: ED FENNEL  
 Signature: [Signature] Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 42  
 Building: VA BUILDING 5 Address: ROCKY HILL, CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
30 - WALL @ NURSES STATION ROOM 1334	WALL PLASTER SKIM (WHITE)	S		N		1	050916 -7A
ROOM 1326	I	S		N		2	-7B
						3	-7C
WALL @ NURSES STAT. ROOM 1334	WALL PLASTER BASE (TAN)	S		N		1	-8A
ROOM 1326	I	S		N		2	-8B
						3	-8C
ROOM 1332	12 X 12 WHITE SPECKLED FLOOR TILE	M		N		1	-9A
ROOM 1337						2	-9B
ROOM 1332	BLACK MASTIC FOR 12 X 12 WHITE SPECKLED FLOOR TILE	M		N		1	-10A
ROOM 1337						2	-10B
CORRIDOR %S 1323	12 X 12 WHITE STREAKED FLOOR TILE	M		N		1	-11A
CORRIDOR %S 1337						2	-11B
CORRIDOR %S 1323	BLACK MASTIC FOR 12 X 12 WHITE STREAKED FLOOR TILE	M		N		1	-12A
CORRIDOR %S 1337						2	-12B

Comments: ANALYZE PLM

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft- 1-6ft- >6ft) Ventilation (yes-no; if yes, type) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low) Friability (yes-no: hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: [Signature] 5-9-2016 Received By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_





# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031637129

**Customer ID:** ATCE54

**Customer PO:** 16-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 12/15/2016 11:25 AM

**Analysis Date:** 12/15/2016

**Collected Date:** 12/13/2016

**Project:** 2257316087/ CT DCS/ BUILDING #5/ VETERANS HOME/ 287 WEST STREET/ ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
121316-B5-1A 031637129-0001	2ND FLOOR - A WING - TEXTURED CEILING COATING	White/Blue Fibrous Homogeneous	20% Cellulose	30% Perlite 46% Non-fibrous (Other)	4% Chrysotile
121316-B5-1B 031637129-0002	2ND FLOOR - B WING - TEXTURED CEILING COATING	White/Blue Non-Fibrous Homogeneous	15% Cellulose	30% Perlite 52% Non-fibrous (Other)	3% Chrysotile
121316-B5-1C 031637129-0003	2ND FLOOR - C WING - TEXTURED CEILING COATING	Tan/White Fibrous Heterogeneous	22% Cellulose	35% Perlite 41% Non-fibrous (Other)	2% Chrysotile
121316-B5-1D 031637129-0004	STAIR LANDING (2ND FLOOR) - TEXTURED CEILING COATING	White Non-Fibrous Homogeneous		40% Ca Carbonate 2% Vermiculite 20% Perlite 36% Non-fibrous (Other)	2% Chrysotile
121316-B5-2A 031637129-0005	1ST FLOOR - 160B - 2' X 4' ACOUSTICAL CEILING - PINHOLE ONLY	Brown/White Fibrous Homogeneous	48% Cellulose 15% MinWool	20% Perlite 17% Non-fibrous (Other)	None Detected
121316-B5-2B 031637129-0006	1ST FLOOR - 160B - 2' X 4' ACOUSTICAL CEILING - PINHOLE ONLY	Brown Fibrous Homogeneous	5% Cellulose 65% MinWool	30% Non-fibrous (Other)	None Detected
121316-B5-3A 031637129-0007	2ND FLOOR - PATIENTS DINING - WALL PANEL ADHESIVE	Yellow Non-Fibrous Homogeneous	11% Cellulose	89% Non-fibrous (Other)	None Detected
121316-B5-3B 031637129-0008	2ND FLOOR - PATIENTS DINING - WALL PANEL ADHESIVE	Brown Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (Other)	None Detected
121316-B5-4A-Floor Tile 031637129-0009	2ND FLOOR - DINING ROOM A - FLOOR TILE UNDER CARPET	White Non-Fibrous Homogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
121316-B5-4A-Carp et Glue 031637129-0009A	2ND FLOOR - DINING ROOM A - FLOOR TILE UNDER CARPET	Tan/Blue Non-Fibrous Heterogeneous	8% Cellulose 5% Synthetic	87% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 12/16/2016 00:15:56



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031637129

**Customer ID:** ATCE54

**Customer PO:** 16-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 12/15/2016 11:25 AM

**Analysis Date:** 12/15/2016

**Collected Date:** 12/13/2016

**Project:** 2257316087/ CT DCS/ BUILDING #5/ VETERANS HOME/ 287 WEST STREET/ ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
121316-B5-4B-Floor Tile 031637129-0010	2ND FLOOR - DINING ROOM A - FLOOR TILE UNDER CARPET	Gray/Tan Non-Fibrous Homogeneous		20% Ca Carbonate 74% Non-fibrous (Other)	6% Chrysotile
121316-B5-4B-Carp et Glue 031637129-0010A	2ND FLOOR - DINING ROOM A - FLOOR TILE UNDER CARPET	Brown Non-Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (Other)	None Detected
121316-B5-5A 031637129-0011	2ND FLOOR - DINING ROOM A - BLACK MASTIC FOR FLOOR TILE	Black Non-Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (Other)	None Detected
121316-B5-5B 031637129-0012	2ND FLOOR - DINING ROOM A - BLACK MASTIC FOR FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
121316-B5-6A 031637129-0013	1ST FLOOR - CLOSET 126A - WOOD LOOK-ALIKE SHEET FLOORING	Brown Non-Fibrous Homogeneous	15% Cellulose	15% Ca Carbonate 70% Non-fibrous (Other)	None Detected
121316-B5-6B 031637129-0014	1ST FLOOR - CLOSET 127 - WOOD LOOK-ALIKE SHEET FLOORING	Brown Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
121316-B5-7A 031637129-0015	1ST FLOOR - CLOSET 126A - CANVAS BACKING FOR SHEET FLOORING	Brown/Tan Fibrous Heterogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
121316-B5-7B 031637129-0016	1ST FLOOR - CLOSET 127 - CANVAS BACKING FOR SHEET FLOORING	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 12/16/2016 00:15:56



**EMSL Analytical, Inc.**

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031637129  
**Customer ID:** ATCE54  
**Customer PO:** 16-10133-0001  
**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CT DCS/ BUILDING #5/ VETERANS HOME/ 287 WEST STREET/ ROCKY HILL, CT

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 12/15/2016 11:25 AM  
**Analysis Date:** 12/15/2016  
**Collected Date:** 12/13/2016

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 12/15/2016      Sample Receipt Time: 11:25 AM  
Analysis Completed Date: 12/15/2016      Analysis Completed Time: 3:37 PM

**Analyst(s):**

Daena Charles PLM (8)

Jon Williams PLM (10)

**Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 12/16/2016 00:15:56

# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031637129

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
2nd Fl - A Wing	Textured Ceiling Coating	S		N		1	121316-85-1A
2nd Fl - B Wing	↓	↓		↓		2	-1B
2nd Fl - C Wing	↓	↓		↓		3	-1C
Stair Landings (2nd Fl)	↓	↓		↓		4	-1D
1st Floor - 160B	2' x 4' Acoustical Ceiling Tile - only	MISC		Y		1	-2A
2nd Floor - Patients Dining	Wall Panel Adhesive	MISC		N		2	-2B
2nd Floor - Dining Room A	Floor tile under Carpet	MISC		N		1	-3A
↓	↓	↓		↓		2	-3B
1st Floor - (108+126A)	Black Mastix for floor tile	MISC		N		1	-4A
↓ - (108+127)	↓	↓		↓		2	-4B
1st Floor - (108+126A)	Wood look-alike Sheet Flooring	MISC		N		1	-5A
↓ - (108+127)	↓	↓		↓		2	-5B
1st Floor - (108+126A)	Canvas backings for sheet flooring	MISC		N		1	-6A
↓ - (108+127)	↓	↓		↓		2	-6B
↓	↓	↓		↓		1	-7A
↓	↓	↓		↓		2	-7B

Client Name: CT DES  
 Project No./Task No.: 2257316087  
 Project Manager: Ed Fenwell  
 Requested Completion Date: 12/16/16  
 Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY  
 Address: Veteran's Home, 287 West Street, Rocky Hill, CT 06067  
 No. Samples Collected: 16

Notes:  
 Damage Factors: Water (extensive-moderate-slight none)  
 Disturbance Factors: Physical (sig dmg-dmg-no dmg)  
Proximity (<1ft-1.6ft->6ft)  
Ventilation (yes-no; if yes, type)  
Accessability (within reach-barely reachable-not reachable)  
Air conduits (air plenum - air shaft - elevator shaft - duct)  
Deterioration (heavy-moderate-light-none)  
Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)  
Air movement (high-moderate-low)  
 Friability (yes-no; hard-mod-soft surface)  
 Barriers (perm airtight-enclosed-encapsulated)  
 Textures (rough-pitted-moderate-smooth)

Comments: Analyze all samples via PLM  
12/15/16 4pm  
RECEIVED  
5 AM 11:25 AM

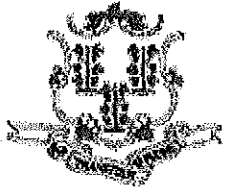
Relinquished By/Date: Ben Stik 12/14/16  
 Relinquished By/Date: RIDOUNSKI 12/15/16 11:25 AM

Received By/Date: FX 12/15/16 2:43:17 7329  
 Received By/Date: 330

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---





State of Connecticut

## Lookup Detail View

**Name**

<p><b>Name</b></p> <p>CARMEN J JACKO</p>
--

**License Information**

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	812	09/30/2017	05/31/2012	CARMEN J JACKO	ACTIVE	None

Generated on: 10/18/2016 12:25:32 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

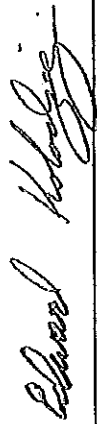
**Carmen Jacko**

*has successfully completed the*

**8-Hour Asbestos Project Monitor Refresher Training Course**

*conducted by*

**ATC Group Services LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

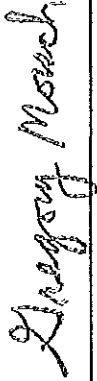


Principal Instructor: Edward Kolodziej  
April 12, 2016

Date of Course

April 12, 2017

Expiration Date



Regional Manager: Gregory Morsch  
PMR-2059

Certificate Number

April 12, 2016

Examination Date

1003666 01 AT 0.396 \*\*AUTO T2 0 1464 06473-371053 -C01-P03871-1



WAYNE T. RICCITELLI  
53A MANOR DR  
NORTH HAVEN CT 06473-3710



Dear WAYNE T. RICCITELLI,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 509-7603  
opl.c.dph@ct.gov  
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY  
STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
WAYNE T. RICCITELLI

VALIDATION NO. 03-548026	CERTIFICATE NO. 000536	CURRENT THROUGH 10/31/17
-----------------------------	---------------------------	-----------------------------

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE

COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
ASBESTOS CONSULTANT-INSPECTOR

WAYNE T. RICCITELLI

CERTIFICATE NO. 000536
CURRENT THROUGH 10/31/17
VALIDATION NO. 03-548026

SIGNATURE

COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

WALLET CARD  
STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
WAYNE T. RICCITELLI

VALIDATION NO. 03-548026	CERTIFICATE NO. 000536	CURRENT THROUGH 10/31/17
-----------------------------	---------------------------	-----------------------------

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE

COMMISSIONER

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Wayne Riccitelli**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: *Gregory Morsch*

*May 19, 2016*

Date of Course

*May 19, 2017*

Expiration Date

*Gregory Morsch*

Regional Training Manager: *Gregory Morsch*

SLAR-5466

Certificate Number

*May 19, 2016*

Examination Date

Dear BENJAMIN SILVERMAN,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 509-7603  
opl.c.dph@ct.gov  
www.ct.gov/dph/license

Sincerely,



RAUL PINO, MD, MPH, COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH



EMPLOYER'S COPY

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
BENJAMIN SILVERMAN

VALIDATION NO. 03-531386      CERTIFICATE NO. 000783      CURRENT THROUGH 08/31/17

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

        
SIGNATURE      COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

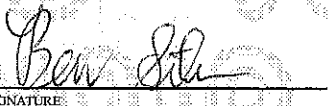

THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
ASBESTOS CONSULTANT-INSPECTOR

BENJAMIN SILVERMAN

CERTIFICATE NO.  
000783

CURRENT THROUGH  
08/31/17

VALIDATION NO.  
03-531386

        
SIGNATURE      COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/education in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

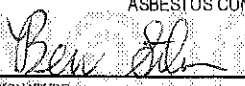

WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
BENJAMIN SILVERMAN

VALIDATION NO. 03-531386      CERTIFICATE NO. 000783      CURRENT THROUGH 08/31/17

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

        
SIGNATURE      COMMISSIONER

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Ben Silverman**

*has successfully completed the*  
**Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Marcus Soutra*

Principal Instructor: **Marcus Soutra**

**January 21, 2016**

Date of Course

**January 21, 2017**

Expiration Date

*Gregory Morsch*

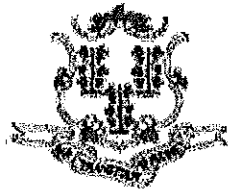
Regional Training Manager

SLAR-5325

Certificate Number

**January 21, 2016**

Examination Date



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

Certificate Number

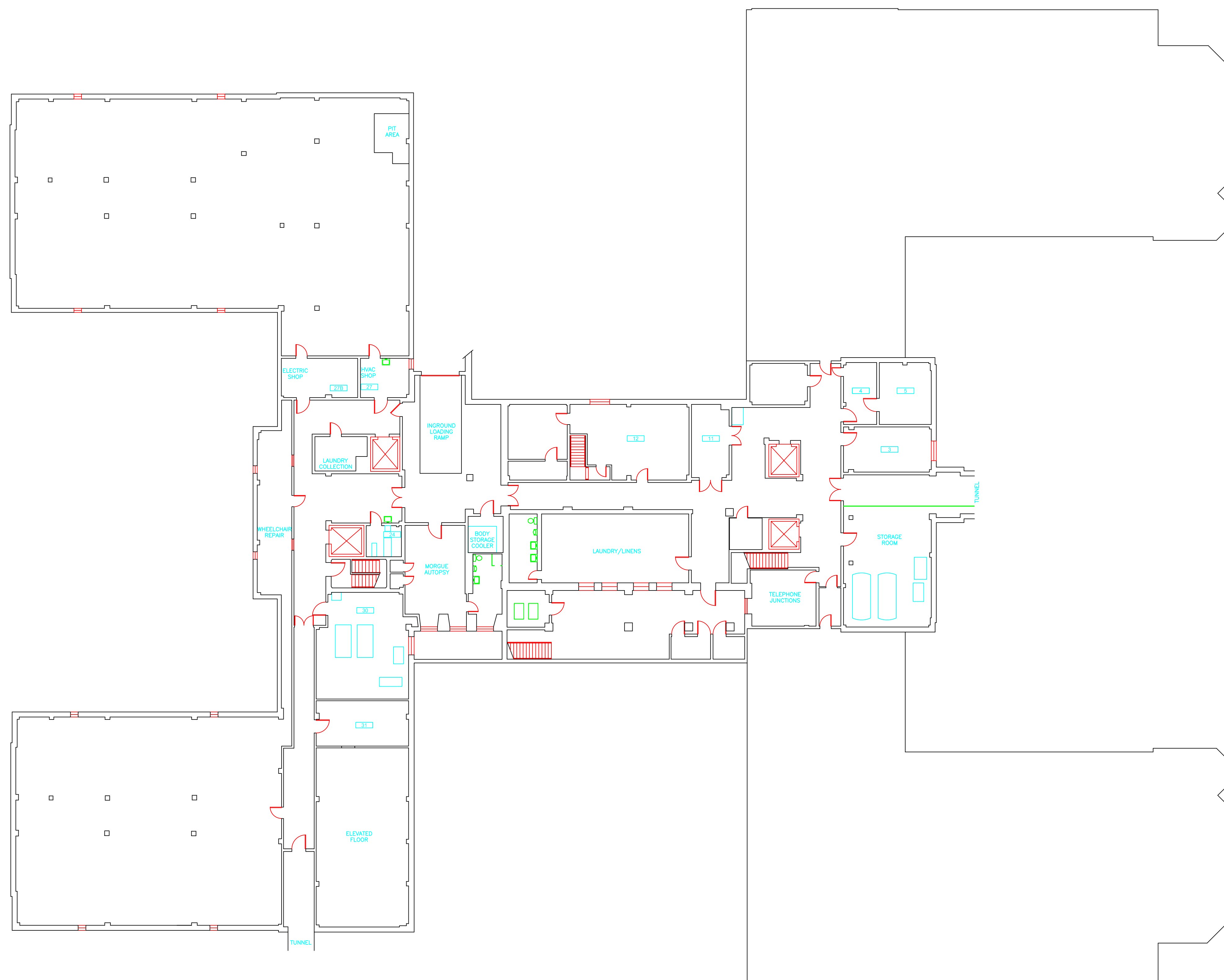
October 13, 2016

Examination Date



**APPENDIX B**  
**DRAWINGS**



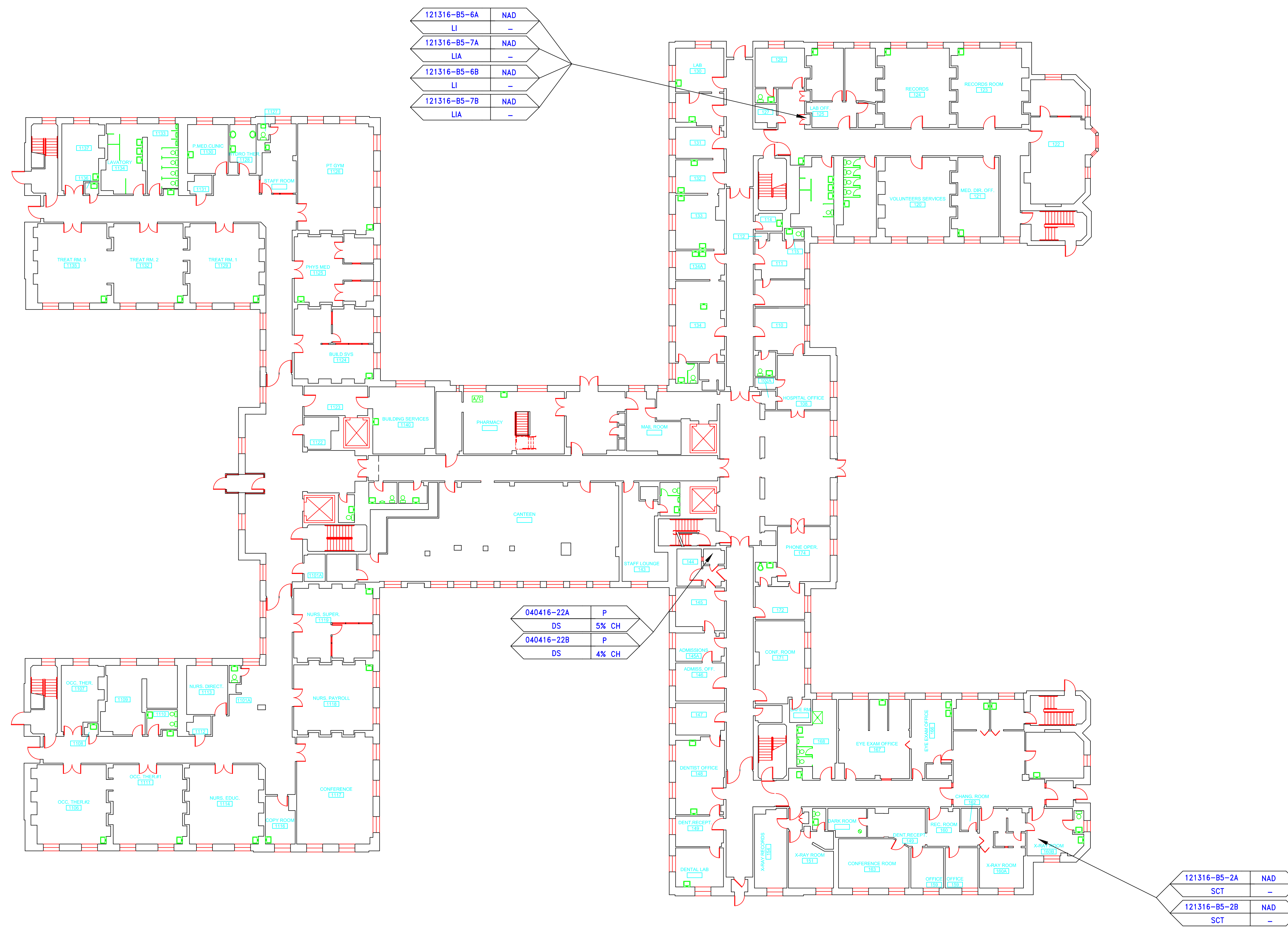


SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
project		 200 Roberts Street - Suite 301 East Windsor, CT 06026 Phone: 860-255-8888 www.atc-ct.com	SCALE 1/16" = 1'
project		BUILDING INSPECTION OLD HOSPITAL BUILDING 5 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW
CAD no.		project no. 2257316087	approved by EF
			drawing no. ASB-BA



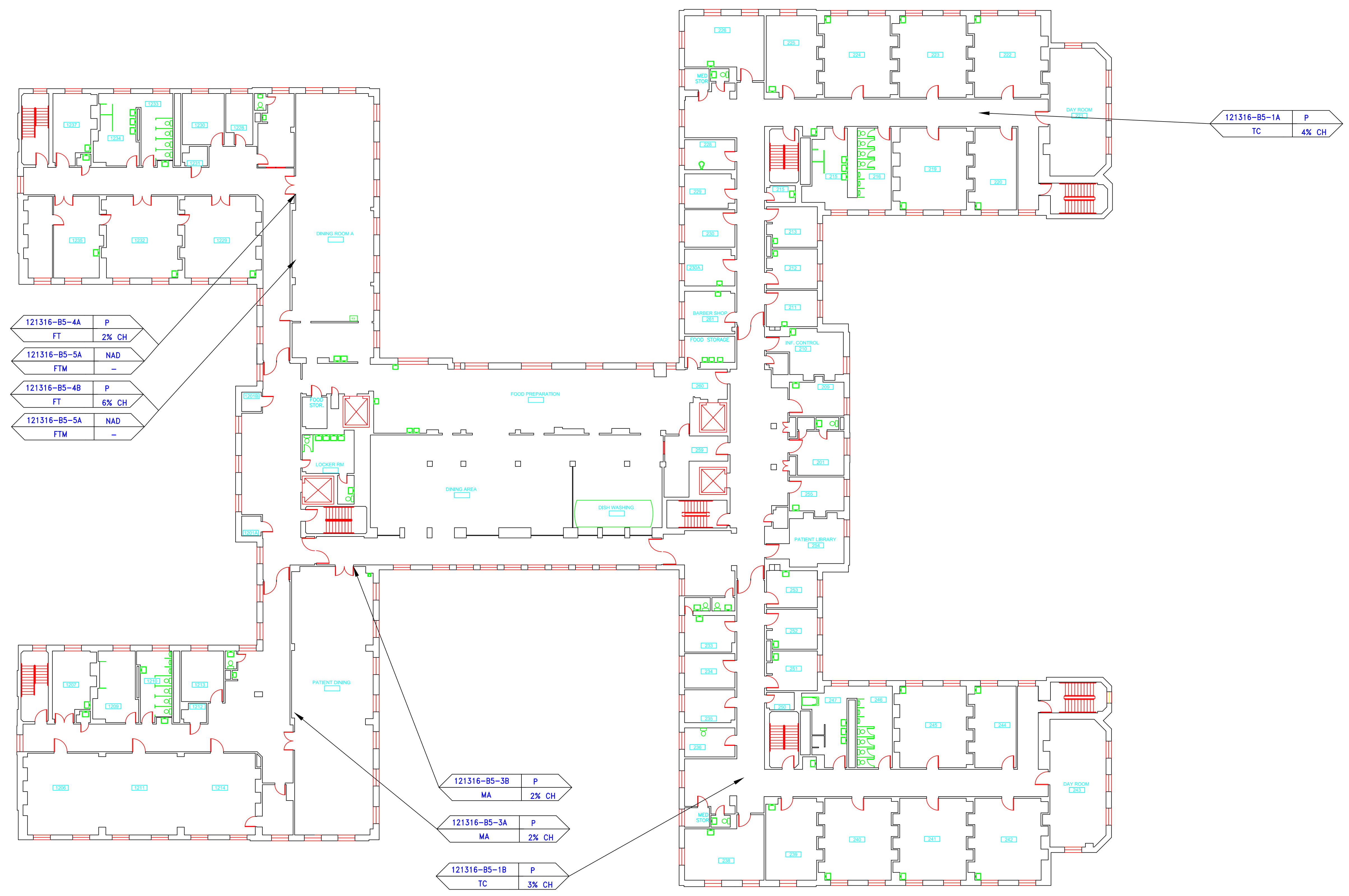
SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CTFG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>SAMPLE LOCATION FIRST FLOOR PLAN</b>		ATC	
REVISIONS		3/17/17	
mark	date	description	scale
			1/16" = 1'
project		BUILDING INSPECTION OLD HOSPITAL BUILDING 5 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW
CAD no.		2257316087	approved by EF
project no.		2257316087	drawing no. ASB-1A



SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE FITTING INSULATION
PII	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

NOTES  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
mark		description	date
			1/16" = 1'
project		drawn by AMW	approved by EF
project no. 2257316087		drawing no. ASB-2A	

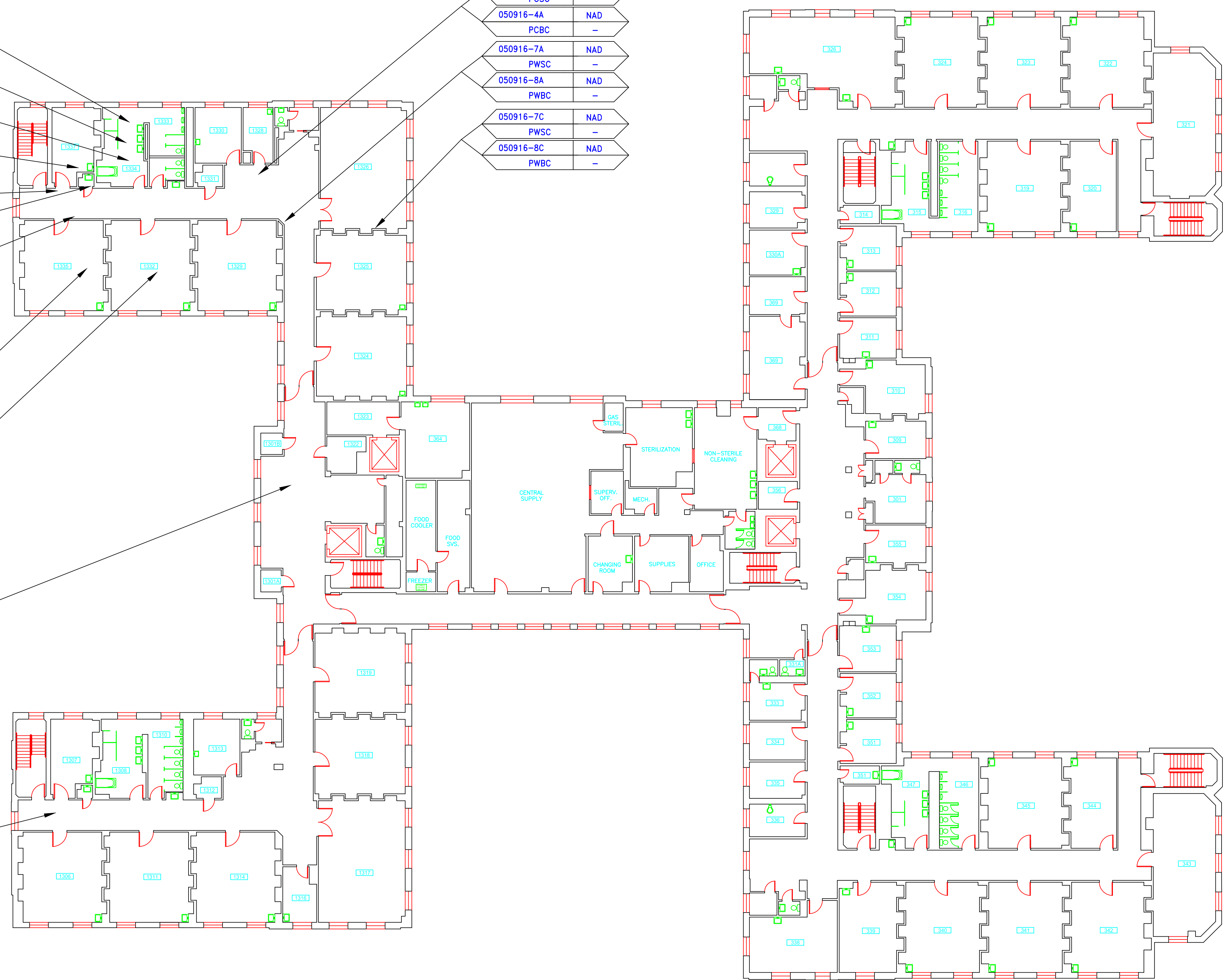
**ATC**  
 ENVIRONMENTAL - METEOROLOGICAL  
 BUILDING SCIENCES - MATERIALS TESTING  
 200 Roberts Street - Suite 301  
 East Windsor, CT 06026  
 Tel: 860-255-1000  
 Fax: 860-255-1001  
 www.atcinc.com

050916-5A	NAD
PCSC	-
050916-6A	NAD
PCBC	-
050916-5B	NAD
PCSC	-
050916-6B	NAD
PCBC	-
050916-5C	NAD
PCSC	-
050916-6C	NAD
PCBC	-
050916-9B	P
FT	2% CH
050916-10B	P
FTM	2% CH
050916-11B	P
FT	3% CH
050916-12B	P
FTM	8% CH
050916-7B	NAD
PWSC	-
050916-8B	NAD
PWBC	-
050916-3C	NAD
PCSC	-
050916-4C	NAD
PCBC	-

050916-3A	NAD
PCSC	-
050916-4A	NAD
PCBC	-
050916-7A	NAD
PWSC	-
050916-8A	NAD
PWBC	-
050916-7C	NAD
PWSC	-
050916-8C	NAD
PWBC	-

050916-3B	NAD
PCSC	-
050916-4B	NAD
PCBC	-
050916-9A	P
FT	2% CH
050916-10A	P
FTM	3% CH
050916-11A	P
FT	3% CH
050916-12A	P
FTM	7% CH

121316-85-1C	P
TC	2% CH



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CTFG	=	CERAMIC FLOOR TILE GROUT
CTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPNUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
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PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
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WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

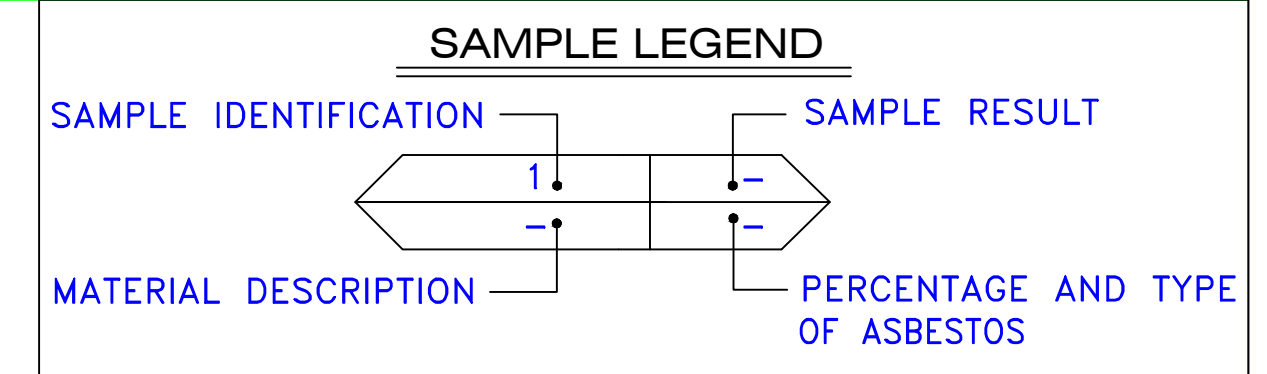
SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

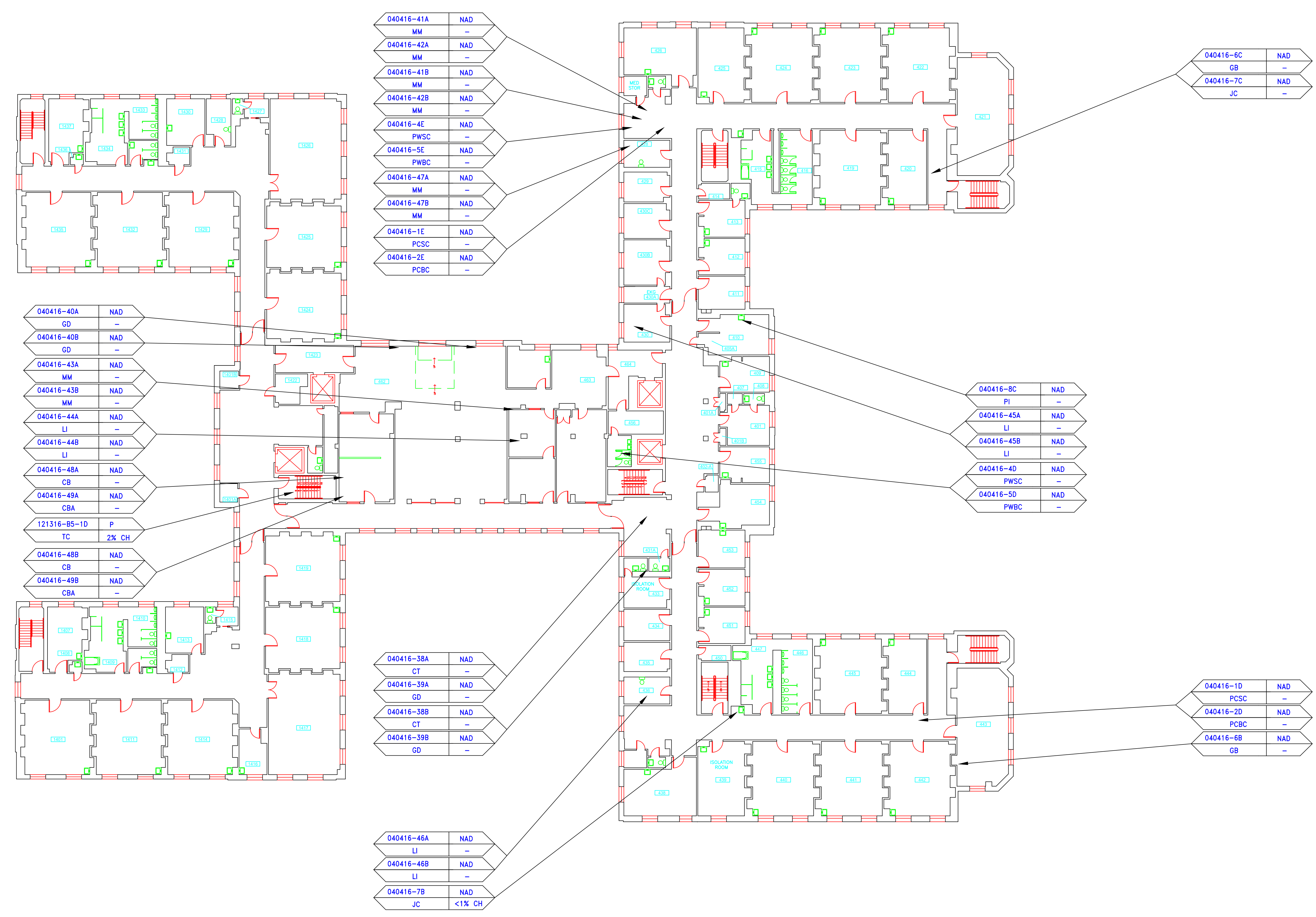
**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATIONS THIRD FLOOR PLAN		ATC	
REVISIONS		3/17/17	
mark	date	description	SCALE: 1/16" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-3A
CAD no.	project no.	2257316087	



AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
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CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPNUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MS	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING

-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

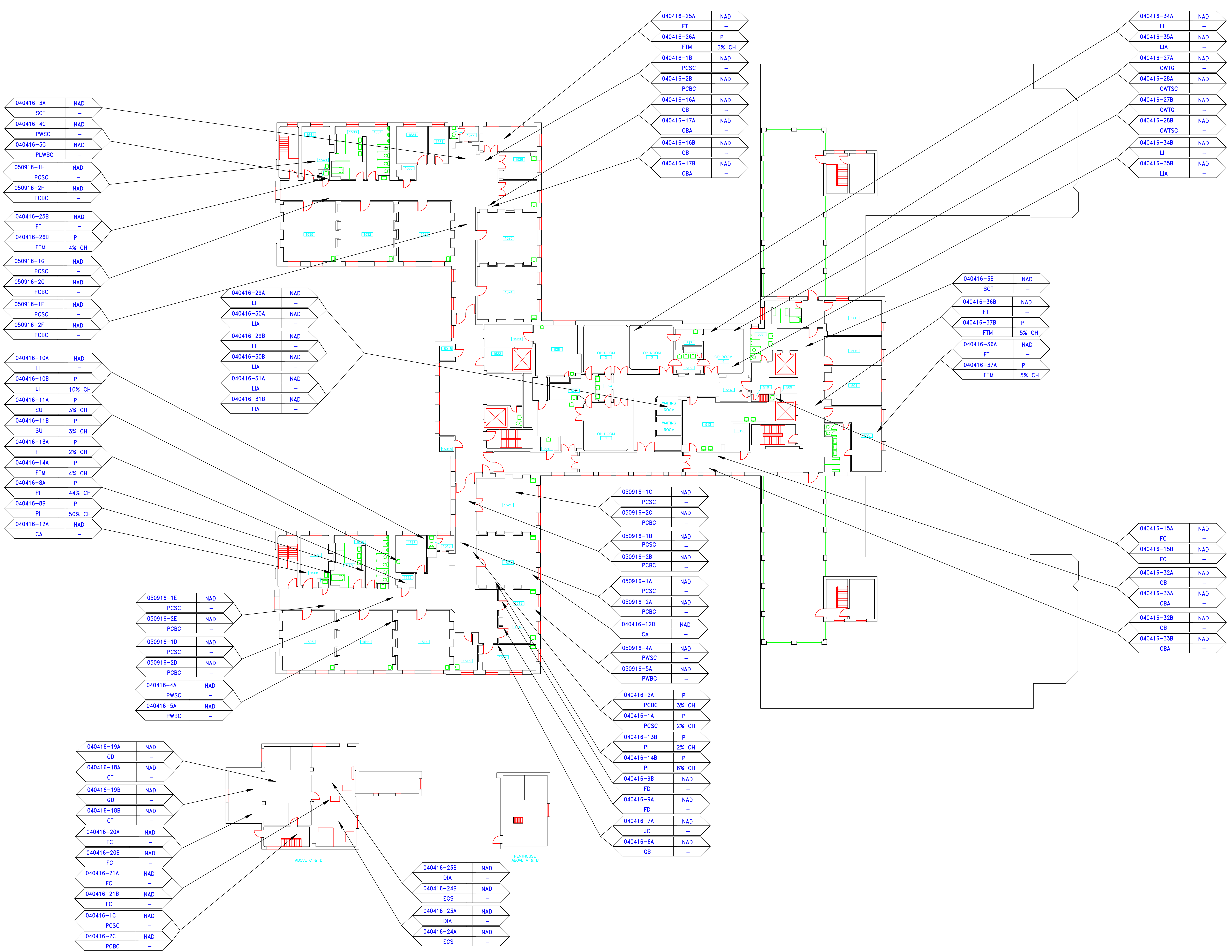
drawing title <b>SAMPLE LOCATION FOURTH FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION OLD HOSPITAL BUILDING 5 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/16" = 1'
CAD no.		project no. 2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-4A

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CTFG	= CERAMIC FLOOR TILE GROUT
CTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EJF	= EXTERIOR FINISH INSULATION SYSTEM
EF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MS	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NOT ANALYZED DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

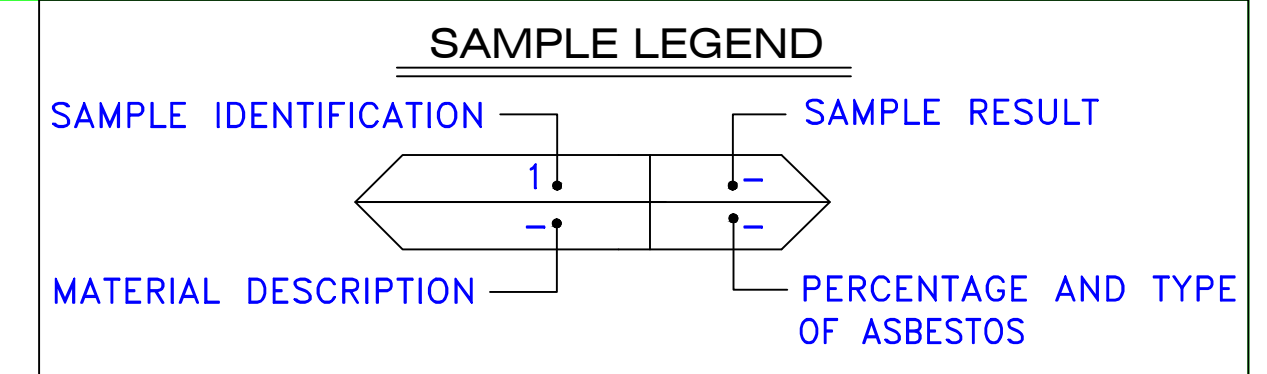
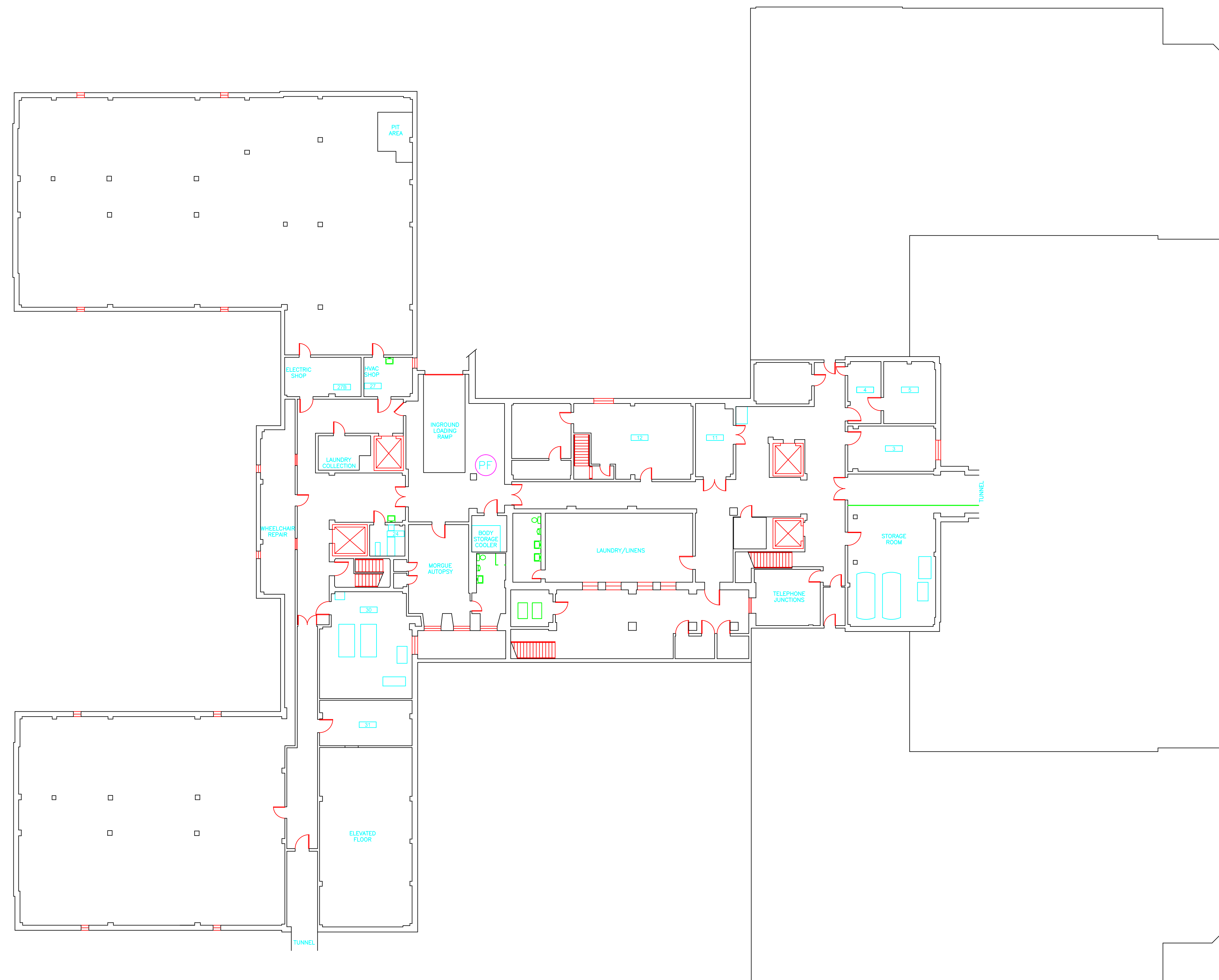
SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING



drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION FIFTH FLOOR PLAN		DATE: 3/17/17	
REVISIONS		SCALE: 1/16" = 1'	
mark	date	description	drawn by
			AMW
		approved by	EF
		drawing no.	ASB-5A
CAD no.	project no.	2257316087	

**ATC**  
 ENVIRONMENTAL - GEOTECHNICAL  
 ENGINEERING - MATERIALS TESTING  
 200 Roberts Street - Suite 301  
 East Windsor, CT 06026  
 Tel: 860-255-1000  
 Fax: 860-255-1001  
 www.atc-engineers.com



AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPNUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

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-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>ACM LOCATIONS BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION OLD HOSPITAL BUILDING 5 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/16" = 1'
drawing no.		ASB-BB	drawn by AMW
CAD no.		2257316087	approved by EF






**SAMPLE LEGEND**

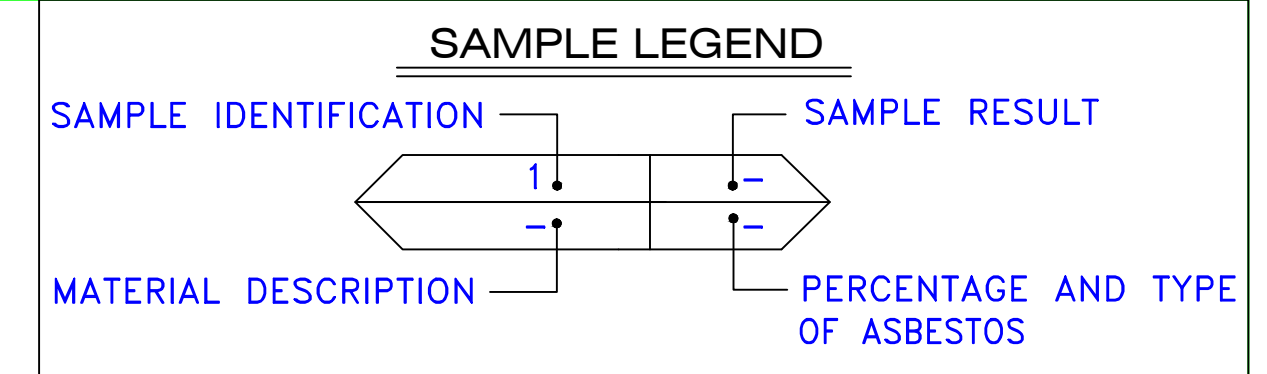
SAMPLE IDENTIFICATION	SAMPLE RESULT
←	→
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CTFG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SU = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
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SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
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drawing title <b>ACM LOCATIONS FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>ATC Environmental - Geotechnical Building Services - Material Science</small> 200 Roberts Street - Suite 301 East Windsor, CT 06026 (860) 255-1000	
mark	date description		
project		BUILDING INSPECTION OLD HOSPITAL BUILDING 5 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	date 3/17/17 scale 1/16" = 1' drawn by AMW approved by EF drawing no. ASB-1B
CAD no.		project no. 2257316087	



AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
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DC	=	DOOR CAULKING
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FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
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SYMBOL	MATERIAL DESCRIPTION
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[Symbol]	ACM MASTIC ONLY
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[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>ACM LOCATIONS SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Phone: 860-406-1000</small>	
mark	date	description	date
			3/17/17
			SCALE: 1/16" = 1'
		project	drawn by AMW
			approved by EF
			drawing no. ASB-2B
		CAD no.	project no. 2257316087

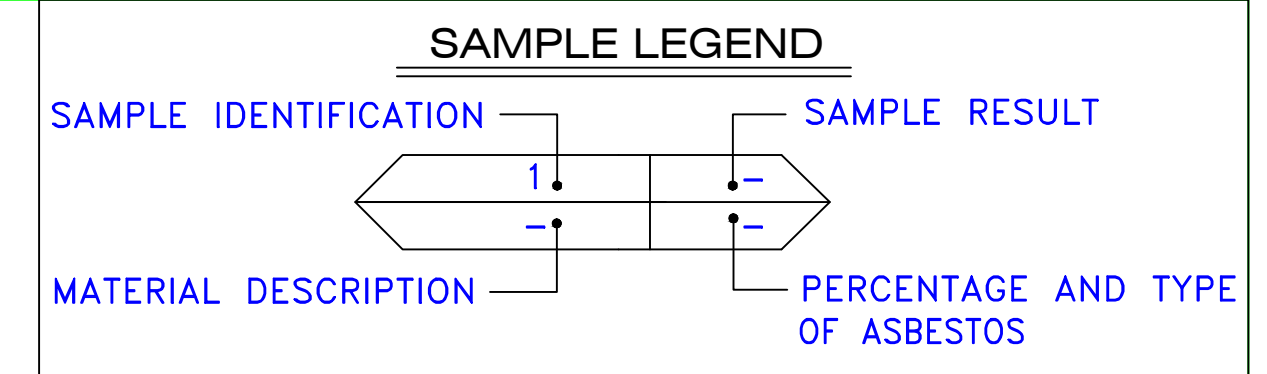


SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
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BI	= BREECHING INSULATION
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PFI	= PIPE FITTING INSULATION
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[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION THIRD FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 East Windsor, CT 06026 Environmental - Asbestos Building Services - Material Testing	
mark	date	description	date
			3/17/17
			SCALE: 1/16" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-3B
CAD no.	project no.	2257316087	



- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

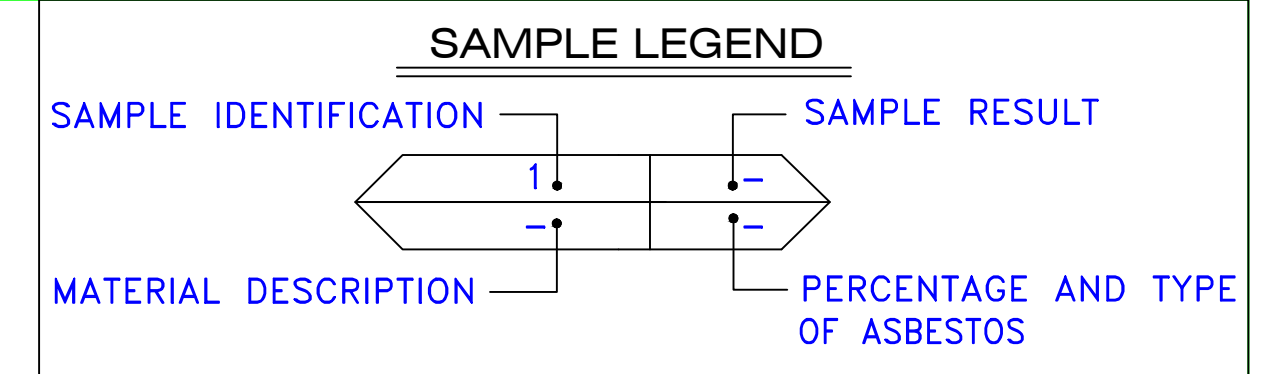
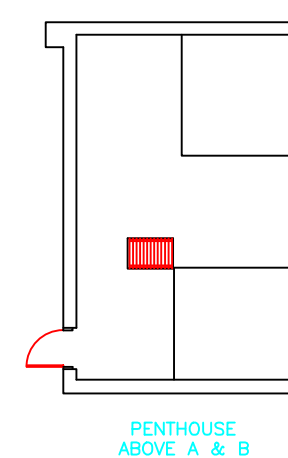
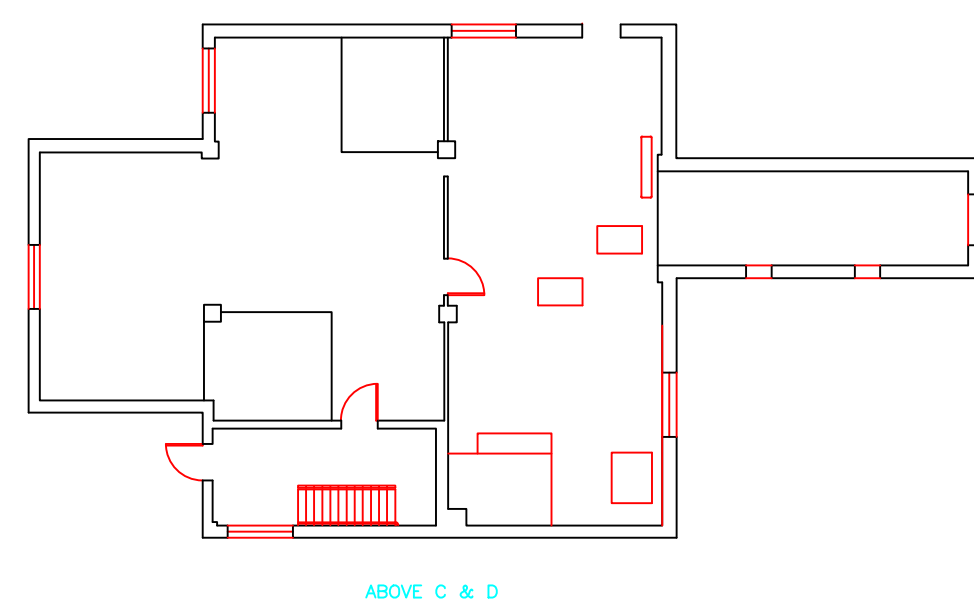
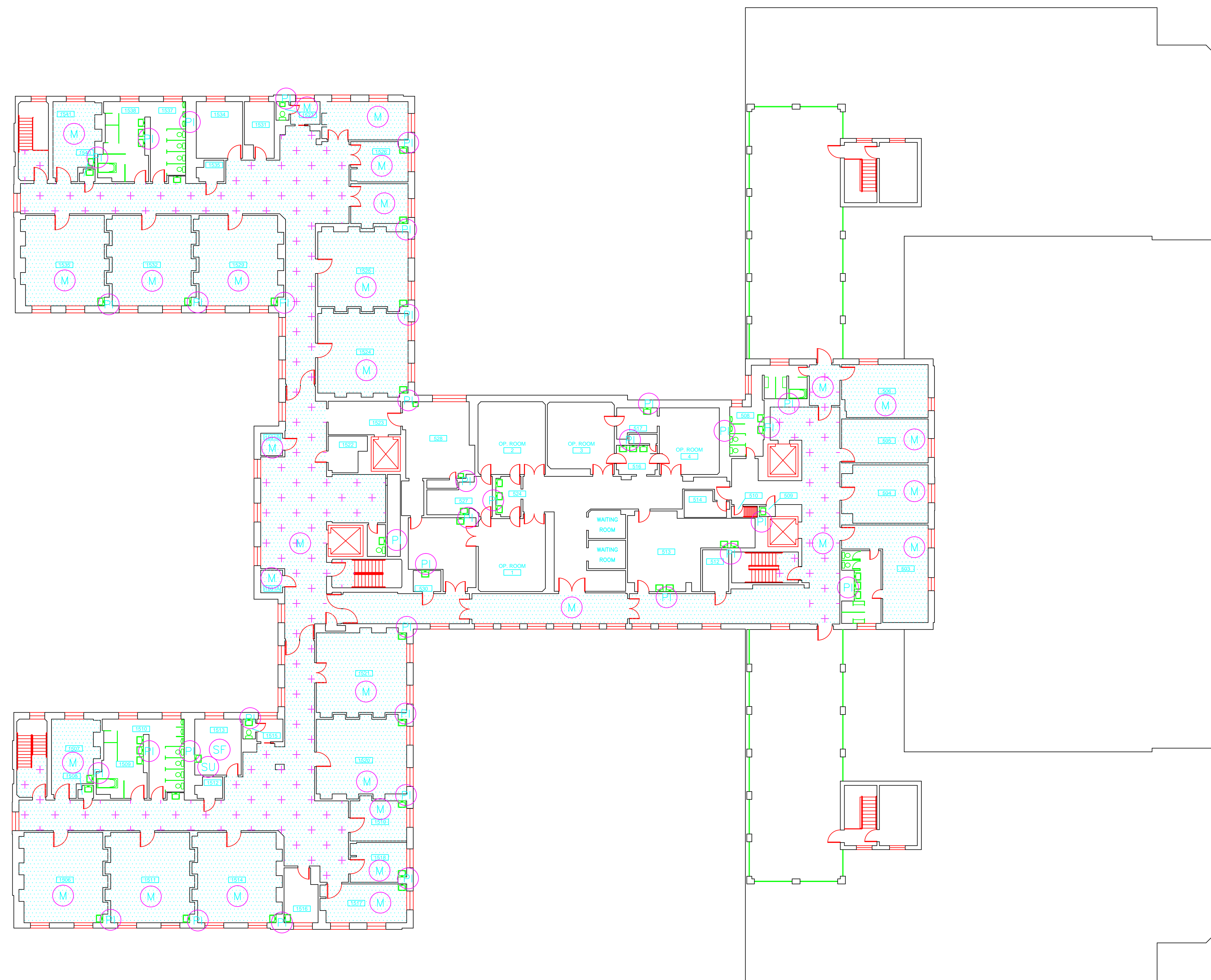
SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	ACM DOUBLE LAYER FLOORING

**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING

-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING


drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>ACM LOCATIONS FOURTH FLOOR PLAN</b>		<b>ATC</b>	
REVISIONS		200 Roberts Street - Suite 301 East Windsor, CT 06026 Environmental - Technical BUILDING SERVICES - MATERIALS SECTION	
mark	date	description	date
			3/17/17
			SCALE: 1/16" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-4B
CAD no.	project no.		
	2257316087		



MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
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ECP	= END CAP PACKING
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EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
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[Symbol]	ACM WINDOW CAULK
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[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
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 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>ACM LOCATIONS FIFTH FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date		
			3/17/17
project		BUILDING INSPECTION OLD HOSPITAL BUILDING 5 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/16" = 1'
CAD no.		project no. 2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-5B





ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SCIENCES • MATERIALS TESTING

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
Telephone 860-282-9924  
Fax 860-282-9826  
[www.atcgroupservices.com](http://www.atcgroupservices.com)

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Avenue  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 6  
Power Plant  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53104  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Power Plant, Building 6, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**

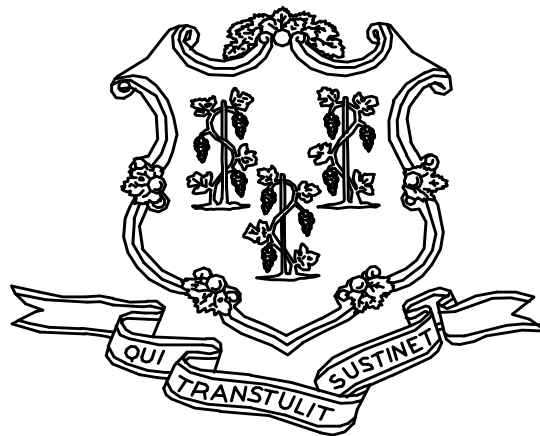
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**POWER PLANT  
BUILDING 6  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53104  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**



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7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
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APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Power Plant, Building 6 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Mr. John Coletti on November 10, 2016. Mr. Coletti is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspector (CTDPH license number 000399). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: acoustic ceiling tile, floor tile and associated mastic, cove base and associated adhesive, gypsum board, joint compound, fire stop material, floor leveler, textured paint, and window caulking and glazing.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 12" x 12" Off White Floor Tile and Associated Black Mastic
- Exterior Gray Window Caulking

The results of PLM laboratory analysis indicated that the following materials are less than 1% asbestos:

- Window Glazing Compound

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- 2' x 4' Acoustic Ceiling Tile (White)
- Black Cove Base and Associated Gray Adhesive
- Gypsum Board
- Joint Compound
- Red Fire Stop
- Gray Fire Stop
- Gray Floor Leveler

- Gray Paint on Lower Wall
- Silver Paint on Brick
- Textured Paint on Concrete

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 6 – POWER PLANT**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
111016-PP-1A	HVAC Area	2' x 4' Acoustic Ceiling Tile (White)	ND	
111016-PP-1B	Receiving	2' x 4' Acoustic Ceiling Tile (White)	ND	
<b>111016-PP-2A</b>	<b>Ground Floor Bathroom</b>	<b>12" x 12" Off White Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>111016-PP-2B</b>	<b>Ground Floor Bathroom</b>	<b>12" x 12" Off White Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>111016-PP-3A</b>	<b>Ground Floor Bathroom</b>	<b>Black Mastic for 12" x 12" Off White Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
<b>111016-PP-3B</b>	<b>Ground Floor Bathroom</b>	<b>Black Mastic for 12" x 12" Off White Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
111016-PP-4A	Ground Floor Bathroom	Black Cove Base	ND	
111016-PP-4B	Ground Floor Bathroom	Black Cove Base	ND	
111016-PP-5A	Ground Floor Bathroom	Gray Adhesive for Black Cove Base	ND	
111016-PP-5B	Ground Floor Bathroom	Gray Adhesive for Black Cove Base	ND	
111016-PP-6A	Ground Floor Bathroom	Gypsum Board/Joint Compound (Composite)	ND	
111016-PP-6B	Ground Floor Bathroom	Gypsum Board/Joint Compound (Composite)	ND	
111016-PP-6C	Ground Floor Bathroom	Gypsum Board/Joint Compound (Composite)	ND	
111016-PP-7A	Ground Floor Bathroom	Joint Compound	ND	
111016-PP-7B	Ground Floor Bathroom	Joint Compound	ND	
111016-PP-8	Ground Floor Bathroom	Red Fire Stop	ND	
111016-PP-9	Ground Floor Bathroom	Gray Fire Stop	ND	
111016-PP-10A	Main Floor Hall	Gray Floor Leveler	ND	
111016-PP-10B	Main Floor Hall	Gray Floor Leveler	ND	
111016-PP-11A	Main Floor Hall	Gray Paint on Lower Wall	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 6 – POWER PLANT**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
111016-PP-11B	Main Floor Hall	Gray Paint on Lower Wall	ND	
111016-PP-12A	Ground Floor Front Left Room	Silver Paint on Brick	ND	
111016-PP-12B	Ground Floor Front Left Room	Silver Paint on Brick	ND	
111016-PP-13A	Ground Floor (L) Room	Textured Paint on Concrete	ND	
111016-PP-13B	Ground Floor (L) Room	Textured Paint on Concrete	ND	
111016-PP-13C	Ground Floor (L) Room	Textured Paint on Concrete	ND	
111016-PP-13D	Ground Floor (L) Room	Textured Paint on Concrete	ND	
111016-PP-13E	Ground Floor (L) Room	Textured Paint on Concrete	ND	
<b>111016-PP-14A</b>	<b>Exterior</b>	<b>Gray Window Caulking</b>	<b>22</b>	<b>Chrysotile</b>
<b>111016-PP-14B</b>	<b>Exterior</b>	<b>Gray Window Caulking</b>	<b>10</b>	<b>Chrysotile</b>
111016-PP-15A	Exterior	Window Glazing Compound	<1	Chrysotile
111016-PP-15B	Exterior	Window Glazing Compound	<1	Chrysotile

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**





# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031633999

**Customer ID:** ATCE54

**Customer PO:** 16-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 11/12/2016 11:28 AM

**Analysis Date:** 11/13/2016

**Collected Date:** 11/10/2016

**Project:** 2257316087/ CT DCS/ POWER PLANT BUILD 6/ VETERANS HOME ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111016-PP-1A 031633999-0001	HVAC AREA RECEIVING - 2' X 4 CEILING TILES (WHITE)	Brown/Gray Fibrous Homogeneous	45% Cellulose 25% MinWool	15% Perlite 15% Non-fibrous (Other)	None Detected
111016-PP-1B 031633999-0002	RECEIVING - 2' X 4 CEILING TILES (WHITE)	Brown Fibrous Homogeneous	40% Cellulose 15% MinWool	10% Perlite 35% Non-fibrous (Other)	None Detected
111016-PP-2A 031633999-0003	GROUND FLOOR BATHROOM - 12" X 12" OFF WHITE FLOOR TILES	White Non-Fibrous Homogeneous		23% Ca Carbonate 75% Non-fibrous (Other)	2% Chrysotile
111016-PP-2B 031633999-0004	GROUND FLOOR BATHROOM - 12" X 12" OFF WHITE FLOOR TILES	Tan Non-Fibrous Homogeneous		50% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile
111016-PP-3A 031633999-0005	GROUND FLOOR BATHROOM - BLACK MASTIC TO FLOOR TILES	Black Non-Fibrous Homogeneous	6% Cellulose	15% Ca Carbonate 75% Non-fibrous (Other)	4% Chrysotile
111016-PP-3B 031633999-0006	GROUND FLOOR BATHROOM - BLACK MASTIC TO FLOOR TILES	Black Non-Fibrous Homogeneous		25% Non-fibrous (Other)	5% Chrysotile
111016-PP-4A 031633999-0007	GROUND FLOOR BATHROOM - BLACK COVE BASE	Black Non-Fibrous Homogeneous		23% Ca Carbonate 77% Non-fibrous (Other)	None Detected
111016-PP-4B 031633999-0008	GROUND FLOOR BATHROOM - BLACK COVE BASE	Black Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
111016-PP-5A 031633999-0009	GROUND FLOOR BATHROOM - GRAY COVE BASE MASTIC	Brown Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
111016-PP-5B 031633999-0010	GROUND FLOOR BATHROOM - GRAY COVE BASE MASTIC	Brown Non-Fibrous Homogeneous		30% Ca Carbonate 20% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report amended: 11/15/2016 08:39:51 Replaces initial report from: 11/13/2016 17:06:10 Reason Code: Data Entry-Change to Appearance



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031633999

**Customer ID:** ATCE54

**Customer PO:** 16-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 11/12/2016 11:28 AM

**Analysis Date:** 11/13/2016

**Collected Date:** 11/10/2016

**Project:** 2257316087/ CT DCS/ POWER PLANT BUILD 6/ VETERANS HOME ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111016-PP-6A 031633999-0011	GROUND FLOOR BATH - GYPSUM BOARD/ JOINT COMPOUND	Brown/Gray/White Non-Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 50% Gypsum 15% Non-fibrous (Other)	None Detected
This is a composite result of gypsum board and jt. compound.					
111016-PP-6B 031633999-0012	GROUND FLOOR BATH - GYPSUM BOARD/ JOINT COMPOUND	Brown/Gray/White Non-Fibrous Homogeneous	12% Cellulose 3% Glass	15% Ca Carbonate 60% Gypsum 10% Non-fibrous (Other)	None Detected
This is a composite result of gypsum board and jt. compound.					
111016-PP-6C 031633999-0013	GROUND FLOOR BATH - GYPSUM BOARD/ JOINT COMPOUND	Gray/White Non-Fibrous Homogeneous		20% Ca Carbonate 60% Gypsum 20% Non-fibrous (Other)	None Detected
This is a composite result of gypsum board and jt. compound.					
111016-PP-7A 031633999-0014	GROUND FLOOR BATH - JOINT COMPOUND ONLY	White Non-Fibrous Homogeneous		65% Ca Carbonate 3% Mica 32% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
111016-PP-7B 031633999-0015	GROUND FLOOR BATH - JOINT COMPOUND ONLY	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
111016-PP-8 031633999-0016	GROUND FLOOR BATHROOM - RED FIRE STOP	Red Non-Fibrous Homogeneous		22% Perlite 78% Non-fibrous (Other)	None Detected
111016-PP-9 031633999-0017	GROUND FLOOR BATHROOM - GRAY FIRE STOP	Red Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
111016-PP-10A 031633999-0018	MAIN FLOOR HALL - GRAY FLOOR LEVELER	Gray Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected

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Report amended: 11/15/2016 08:39:51 Replaces initial report from: 11/13/2016 17:06:10 Reason Code: Data Entry-Change to Appearance



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**Customer ID:** ATCE54

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**Phone:** (860) 282-9924

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**Received Date:** 11/12/2016 11:28 AM

**Analysis Date:** 11/13/2016

**Collected Date:** 11/10/2016

**Project:** 2257316087/ CT DCS/ POWER PLANT BUILD 6/ VETERANS HOME ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111016-PP-10B 031633999-0019	MAIN FLOOR HALL - GRAY FLOOR LEVELER	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
111016-PP-11A 031633999-0020	MAIN FLOOR HALL - GRAY PAINT ON LOWER WALL	Gray/Red Non-Fibrous Homogeneous		22% Ca Carbonate 78% Non-fibrous (Other)	None Detected
111016-PP-11B 031633999-0021	MAIN FLOOR HALL - GRAY PAINT ON LOWER WALL	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
111016-PP-12A 031633999-0022	GROUND FLOOR FRONT LEFT ROOM - SILVER PAINT ON BRICK	Silver Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
111016-PP-12B 031633999-0023	GROUND FLOOR FRONT LEFT ROOM - SILVER PAINT ON BRICK	Red/Silver Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
111016-PP-13A 031633999-0024	GROUND FLOOR L ROOM - TEXTURED PAINT ON CONCRETE	Gray/White Non-Fibrous Homogeneous		12% Ca Carbonate 88% Non-fibrous (Other)	None Detected
111016-PP-13B 031633999-0025	GROUND FLOOR L ROOM - TEXTURED PAINT ON CONCRETE	Gray/White Non-Fibrous Homogeneous		16% Ca Carbonate 84% Non-fibrous (Other)	None Detected
111016-PP-13C 031633999-0026	MAIN FLOOR HALL - TEXTURED PAINT ON CONCRETE	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
111016-PP-13D 031633999-0027	MAIN FLOOR HALL - TEXTURED PAINT ON CONCRETE	Tan Non-Fibrous Homogeneous	<1% Fibrous_Other	35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
111016-PP-13E 031633999-0028	MAIN FLOOR HALL - TEXTURED PAINT ON CONCRETE	Tan Non-Fibrous Homogeneous	<1% Fibrous_Other	20% Ca Carbonate 80% Non-fibrous (Other)	None Detected

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<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031633999
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 16-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 11/12/2016 11:28 AM <b>Analysis Date:</b> 11/13/2016 <b>Collected Date:</b> 11/10/2016
<b>Project:</b> 2257316087/ CT DCS/ POWER PLANT BUILD 6/ VETERANS HOME ROCKY HILL, CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111016-PP-14A 031633999-0029	EXTERIOR - GRAY WINDOW CAULKING	Brown Non-Fibrous Homogeneous		78% Non-fibrous (Other)	22% Chrysotile
111016-PP-14B 031633999-0030	EXTERIOR - GRAY WINDOW CAULKING	Brown/Gray Non-Fibrous Homogeneous		40% Quartz 30% Gypsum 20% Non-fibrous (Other)	10% Chrysotile
111016-PP-15A 031633999-0031	EXTERIOR - WINDOW GLAZING COMPOUND	Gray/Tan Non-Fibrous Homogeneous		32% Ca Carbonate 68% Non-fibrous (Other)	<1% Chrysotile
111016-PP-15B 031633999-0032	EXTERIOR - WINDOW GLAZING COMPOUND	Brown Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report amended: 11/15/2016 08:39:51 Replaces initial report from: 11/13/2016 17:06:10 Reason Code: Data Entry-Change to Appearance



Shaping the Future

# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <b>JOHN SOLETTI</b>	Client Name: <b>CT PCS</b>								
Accreditation No.: <b>000399</b>	Project No./Task No.: <b>2257316087</b>								
Survey Date: <b>11/10/16</b>	Project Manager: <b>ED FENNEL</b>								
Signature: <i>[Signature]</i>	Requested Completion Date: <b>11/14/16</b>								
Lab Name: <b>F.M.S.L.</b>	Requested turnaround time (circle): <b>3 HR</b> 6 HR 24 HR 48 HR 3 DY 5 DY								
Building: <b>POWER PLANT BUILD 6</b>	No. Samples Collected: <b>32</b>								
Address: <b>VETERANS HOME ROCKY HILL CT</b>									
Location	Material Description	Type S	TSI	MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
<b>HVAC AREA</b>	<b>2' x 4' CEILING</b>	Misc			1,750 SF	Y	ND		111016-01A
<b>RECEIVING</b>	<b>TILES (WHITE)</b>	Misc			50 SF	N	D		111016-01B
<b>GROUND FLOOR</b>	<b>12' x 12" OFF WHITE</b>	Misc							111016-01A
<b>BATHROOM</b>	<b>FLOOR TILES</b>								111016-02B
	<b>BLACK MASTIC TO</b>								111016-03A
	<b>FLOOR TILES</b>								111016-03B
<b>GROUND FLOOR</b>	<b>BLACK</b>	Misc			35 SF	N	D		111016-04A
<b>BATHROOM</b>	<b>COVE BASE</b>								111016-04B
	<b>GRAY COVE BASE</b>								111016-05A
	<b>MASJIC</b>								111016-05B
<b>GROUND FLOOR</b>	<b>GYPSUM BOARD</b>	Misc			285 SF	N	D		111016-06A
<b>BATH</b>	<b>JOINT COMPOUND</b>								111016-06B
									111016-06C
									111016-06D
									111016-06E
									111016-06F
									111016-06G
									111016-06H
									111016-06I
									111016-06J
									111016-06K
									111016-06L
									111016-06M
									111016-06N
									111016-06O
									111016-06P
									111016-06Q
									111016-06R
									111016-06S
									111016-06T
									111016-06U
									111016-06V
									111016-06W
									111016-06X
									111016-06Y
									111016-06Z

111016-06 X Y Z ALU

Comments:

Notes: Friability (yes-no; hard-mod-soft-surface)  
 Damage Factors: Barriers (perm airtight-enclosed-encapsulated)  
 Disturbance Factors: Texture (rough-pitted-moderate-smooth)  
 Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight) Deterioration (heavy-moderate-light-none)  
 Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music m-auditorium-mechanical m-elevator-other)  
 Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low)  
 Relinquished By/Date: **JOHN SOLETTI 11/11/16** Received By/Date: **John 11/21/16 11:28 AM**  
 Relinquished By/Date: **YC 11/13/16 4:15 PM** Received By/Date: *[Signature]*

S:\BldgSci\Admin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc



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# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector:	JOHN COLETTI	Client Name:	CT PCS				
Accreditation No.:	000399	Project No./Task No.:	257316087				
Survey Date:	11/10/16	Project Manager:	ED FENNEL				
Signature:	<i>[Signature]</i>	Requested Completion Date:	11/14/16				
Lab Name:	E. M. S. C.	Requested turnaround time (circle):	3 HR 6 HR 24 HR 48 HR 3 DY 5 DY				
Building:	POWER PLANT	Address:	VETERANS HOME ROCKY HILL				
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
GROUND FLOOR	RED FIRE STOP	MISC	1 SF	N	ND		111016-8
BATHROOM	GRAY FIRE STOP	MISC		N	ND		111016-9
MAIN FLOOR	GRAY FLOOR CALCELEN	MISC	800 SF	N	D		111016-10A
MAIN FLOOR	GRAY PAINT ON LOWER WALL	MISC	1,400 SF	N	D		111016-11A
GROUND FLOOR	SILVER PAINT ON BRICK	MISC	250 SF	N	ND		111016-12A
GROUND FLOOR	TEXTURED PAINT ON CONCRETE	SURF.	250 SF	Y	D		111016-13A
MAIN FLOOR							111016-14A
EXTERIOR	GRAY WINDOW CAULKING	MISC	40 WINDOW	N	D		111016-15A

Comments: 1106 PP XV to ALL

Notes  
Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-  
none)  
Disturbance Factors: Proximity (<1ft- 1-6ft- >6ft) Accessibility (within reach-barely  
reachable-not reachable) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)  
Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft -  
elevator shaft - duct) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: JOHN COLETTI 11/14/16 Received By/Date: [Signature] 11/21/16 11:28 AM

Relinquished By/Date: YC 11/13/16 Received By/Date: [Signature] 11/13/16

S:\BldgSci\Admin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

# BULK SAMPLE LOG



Shaping the Future

Cardno ATC Inspector: <b>JOHN COLKETT</b>	Client Name: <b>CT PCS</b>						
Accreditation No.: <b>000395</b>	Project No./Task No.: <b>2257316-87</b>						
Survey Date: <b>11/10/16</b>	Project Manager: <b>ED FENNEL</b>						
Signature: <b>[Signature]</b>	Requested Completion Date: <b>11/17/16</b>						
Lab Name: <b>E.M.S.C</b>	3 HR	6 HR	24 HR	48 HR	3 DY	5 DY	No. Samples Collected: <b>(32)</b>
Building: <b>POWEN PLANT</b>	Address: <b>VETERANS HOME ROCKY HILL</b>						
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
<b>EXTERIOR</b>	<b>WINDOW GLAZING COMPOUND</b>	<b>MISC.</b>	<b>46 WINDOWS</b>	<b>N</b>	<b>ND</b>		<b>11016-15A 1 15A</b>

EMSL MANHATTAN LAB  
RECEIVED  
16 NOV 12 AM 11:28

Comments: **FIELD NUMBER FOR ALL IS 11016-PP-XXG-SAMPLE 7**

Notes  
Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight none)  
Disturbance Factors: Proximity (<1ft- 1-6ft- >6ft) Accessibility (within reach-barely reachable-not reachable)  
Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct)  
Friability (yes-no; hard-mod-soft surface)  
Barriers (perm airtight-enclosed-encapsulated)  
Texture (rough-pitted-moderate-smooth)

Received By/Date: **John Colkett 11/11/16**  
Received By/Date: **[Signature] 11/20/16**

**XC 11/13/16  
4:15 PM**



**EMSL Analytical, Inc.**

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Tel/Fax: (212) 290-0051 / (212) 290-0058

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**EMSL Order:** 031633999  
**Customer ID:** ATCE54  
**Customer PO:** 16-10133-0001  
**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CT DCS/ POWER PLANT BUILD 6/ VETERANS HOME ROCKY HILL, CT

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 11/12/2016 11:28 AM  
**Analysis Date:** 11/13/2016  
**Collected Date:** 11/10/2016

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 11/12/2016      Sample Receipt Time: 11:28 AM  
Analysis Completed Date: 11/13/2016      Analysis Completed Time: 11:50 AM

**Analyst(s):**

*Kamel Alawawda*

Kamel Alawawda PLM (17)

*Yolanda Chow*

Yolanda Chow PLM (15)

**Samples Reviewed and approved by:**

*James Hall*

James Hall, Laboratory Manager  
or other approved signatory

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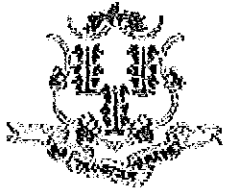
Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report amended: 11/15/2016 08:39:51 Replaces initial report from: 11/13/2016 17:06:10 Reason Code: Data Entry-Change to Appearance



**APPENDIX A**  
**LICENSE AND CERTIFICATION**





State of Connecticut

**Lookup Detail View**

**Name**

<b>Name</b>
JOHN A COLETTI

**License Information**

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	399	06/30/2017	11/30/1999	John Coletti	ACTIVE	None

Generated on: 7/11/2016 2:33:44 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**John Coletti**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**



*Principal Instructor: Thomas Dion*

*September 15, 2016*

*Date of Course*

*September 15, 2017*

*Expiration Date*



*Regional Training Manager: Gregory Morsch*

*SIAR - 5521*

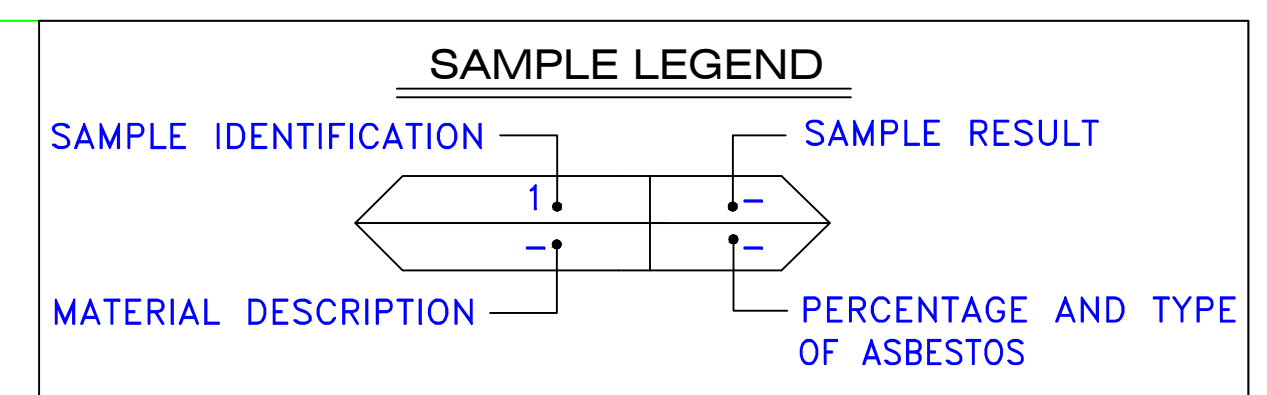
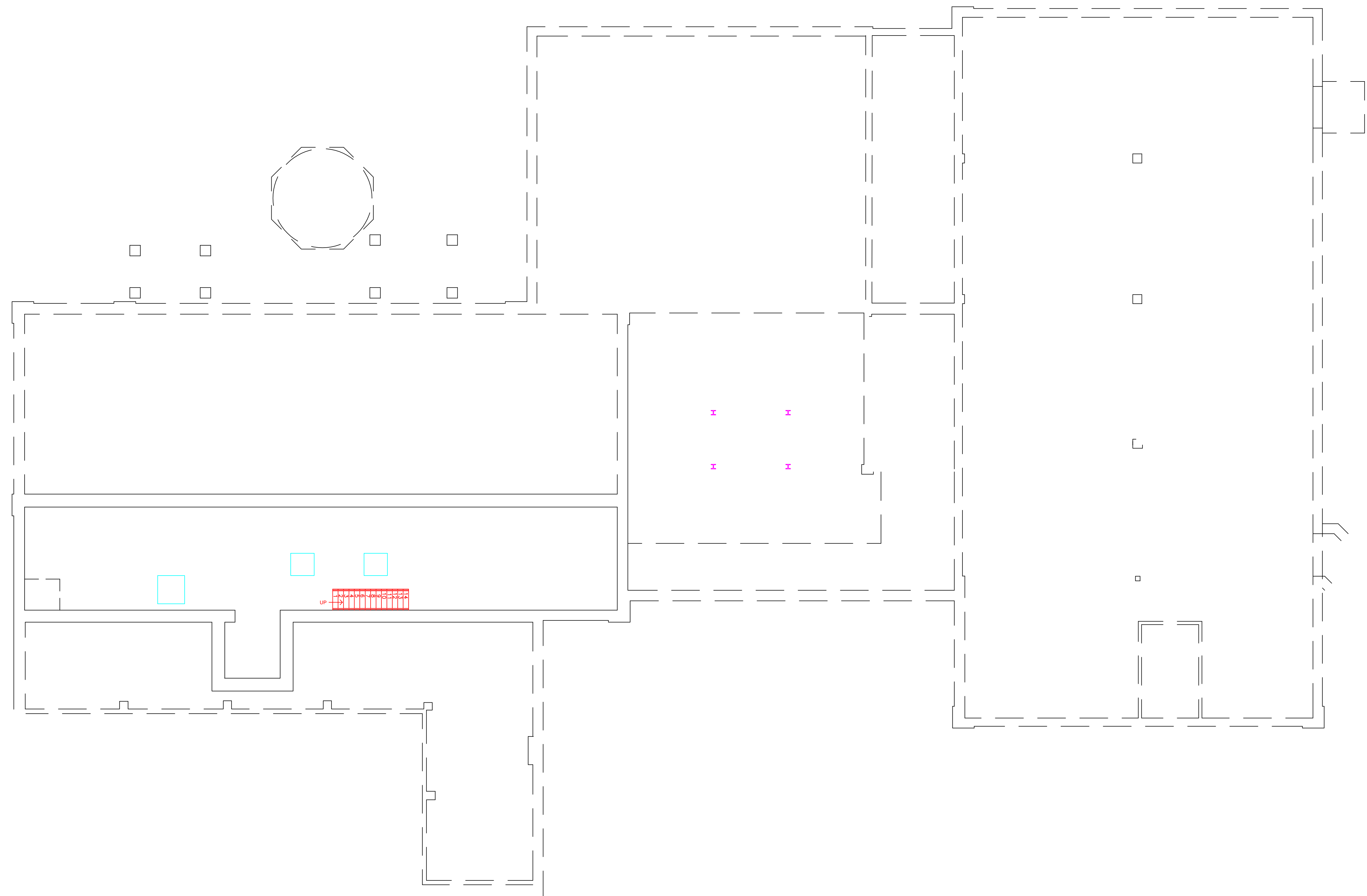
*Certificate Number*

*September 15, 2016*

*Examination Date*

**APPENDIX B**  
**DRAWINGS**



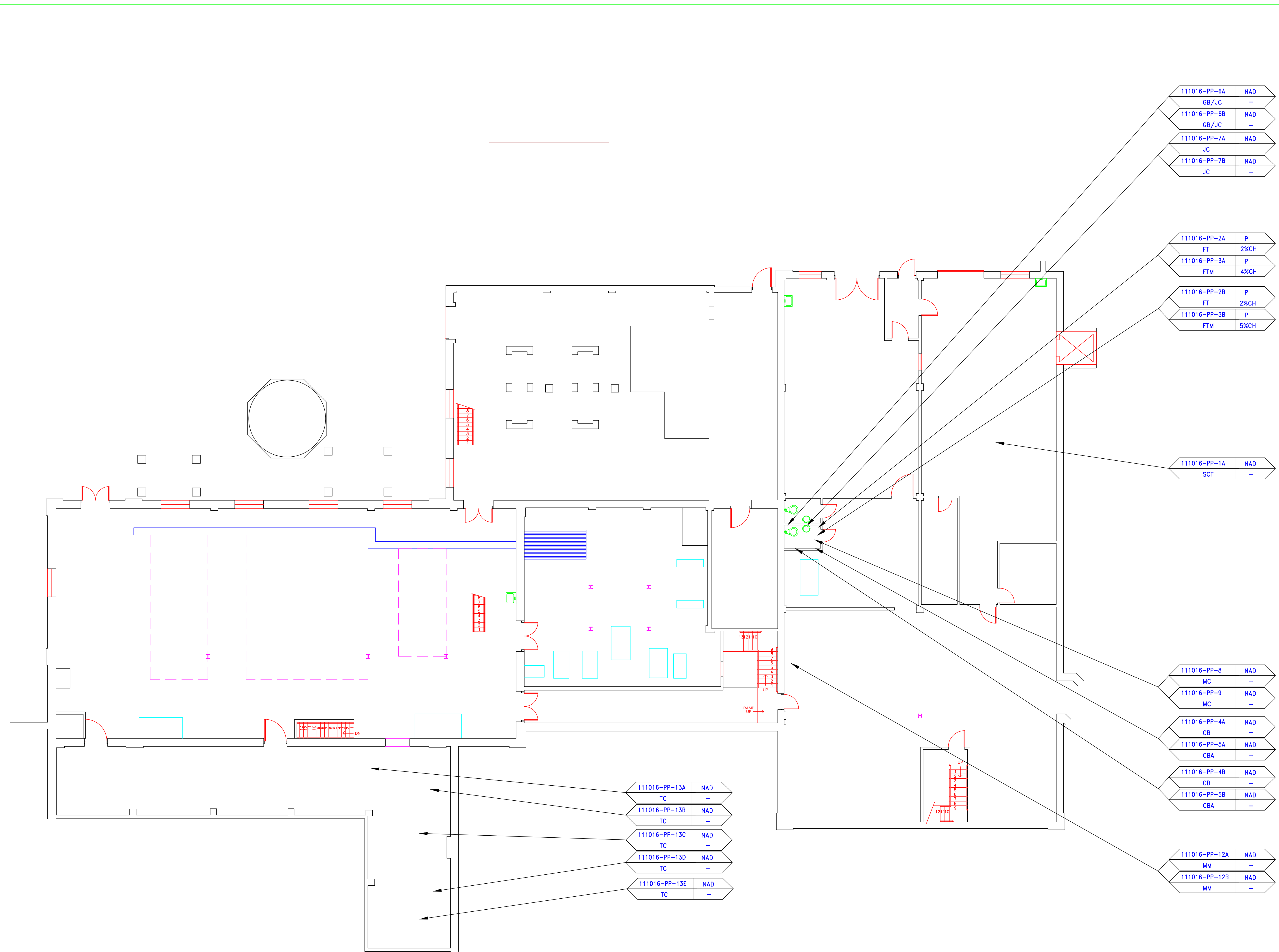


- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DATE: 3/17/17	
mark	date	description	SCALE: 1/8"=1'
			drawn by: AMW
project		approved by: EF	
project		drawing no.: ASB-BA	
CAD no.	project no.	2257316087	



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
111016-PP-6A	NAD
GB/JC	-
111016-PP-6B	NAD
GB/JC	-
111016-PP-7A	NAD
JC	-
111016-PP-7B	NAD
JC	-
111016-PP-2A	P
FT	2%CH
111016-PP-3A	P
FTM	4%CH
111016-PP-2B	P
FT	2%CH
111016-PP-3B	P
FTM	5%CH
111016-PP-1A	NAD
SCT	-
111016-PP-8	NAD
MC	-
111016-PP-9	NAD
MC	-
111016-PP-4A	NAD
CB	-
111016-PP-5A	NAD
CBA	-
111016-PP-4B	NAD
CB	-
111016-PP-5B	NAD
CBA	-
111016-PP-12A	NAD
MM	-
111016-PP-12B	NAD
MM	-
111016-PP-13A	NAD
TC	-
111016-PP-13B	NAD
TC	-
111016-PP-13C	NAD
TC	-
111016-PP-13D	NAD
TC	-
111016-PP-13E	NAD
TC	-

MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
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DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
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FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
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LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
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MS	= MISCELLANEOUS SEALANT
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NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

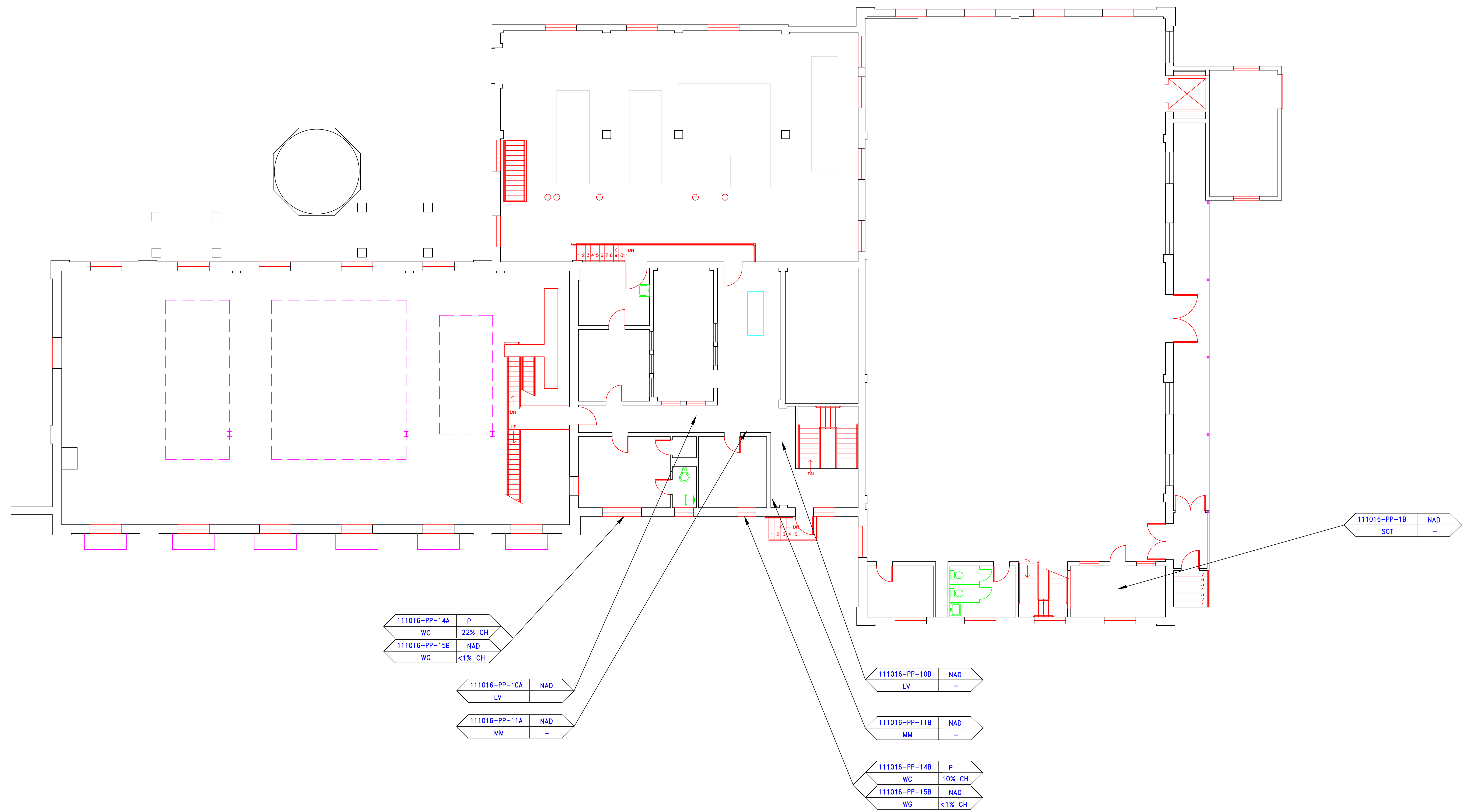
SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
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drawing title <b>SAMPLE LOCATION GROUND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DATE 3/17/17	
mark	date	description	SCALE 1/8" = 1'
project		drawn by AMW	
project		approved by EF	
drawing no.		drawing no. ASB-GA	
CAD no.		project no. 2257316087	

**ATC**  
 ENVIRONMENTAL - GEOTECHNICAL  
 ENGINEERING - MATERIALS TESTING

200 Roberts Street - Suite 301  
 East Windsor, CT 06026  
 Tel: 860-255-1000



**SAMPLE LEGEND**

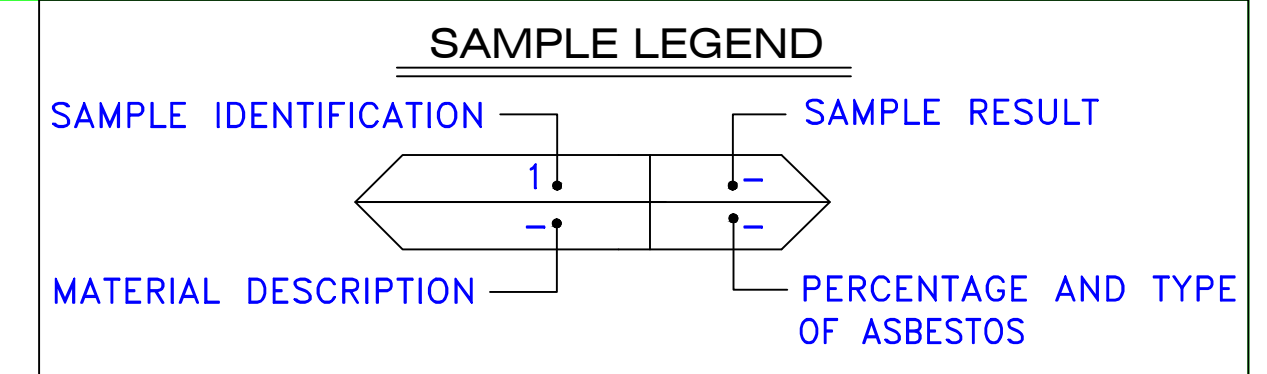
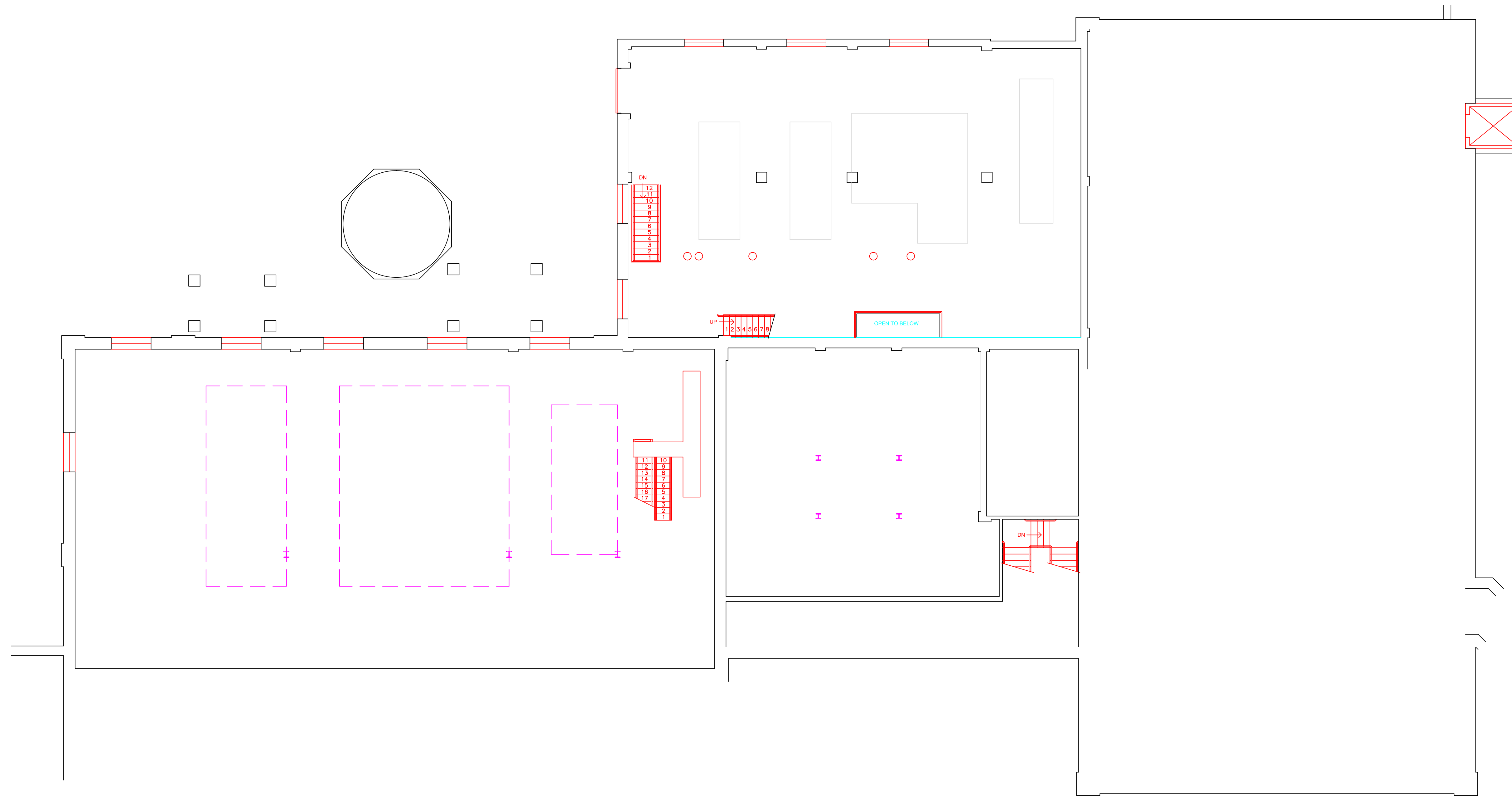
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
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- DG = DOOR GLAZING
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- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
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- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE INSULATION
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- PLCB = PLASTER CEILING BASE COAT
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- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
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- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
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SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION MAIN FLOOR PLAN		DATE: 3/17/17	
REVISIONS		SCALE: 1/8" = 1'	
mark	date	description	date
project		<b>ATC</b> <small>ENVIRONMENTAL - GEOTECHNICAL ENGINEERING CONSULTANTS</small> 200 Roberts Street - Suite 301 East Windsor, CT 06026 Telephone: 860-255-8888	
project		BUILDING INSPECTION POWER PLANT BUILDING 6 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	
CAD no.		project no. 2257316087	
		drawn by: AMW approved by: EF drawing no.: ASB-MA	



AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
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GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
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N	=	NEGATIVE
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NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
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PI	=	PIPE INSULATION
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SYMBOL	MATERIAL DESCRIPTION
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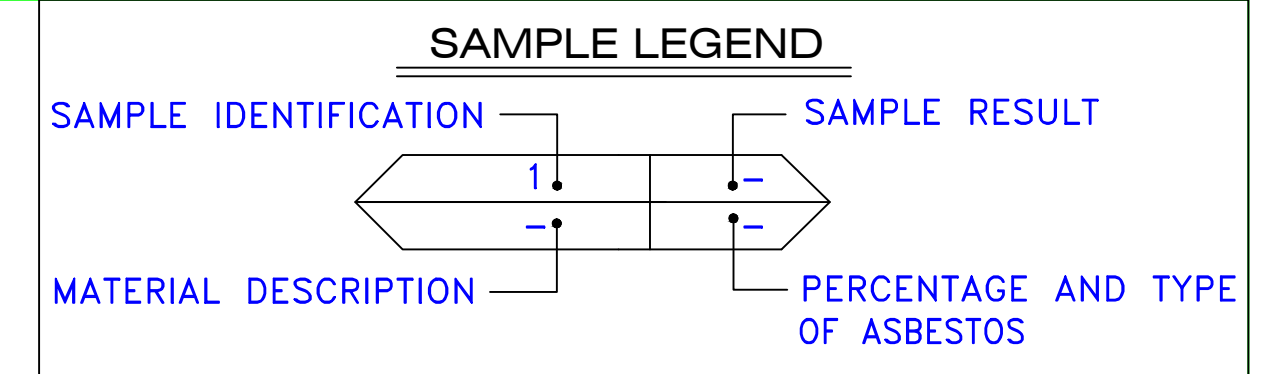
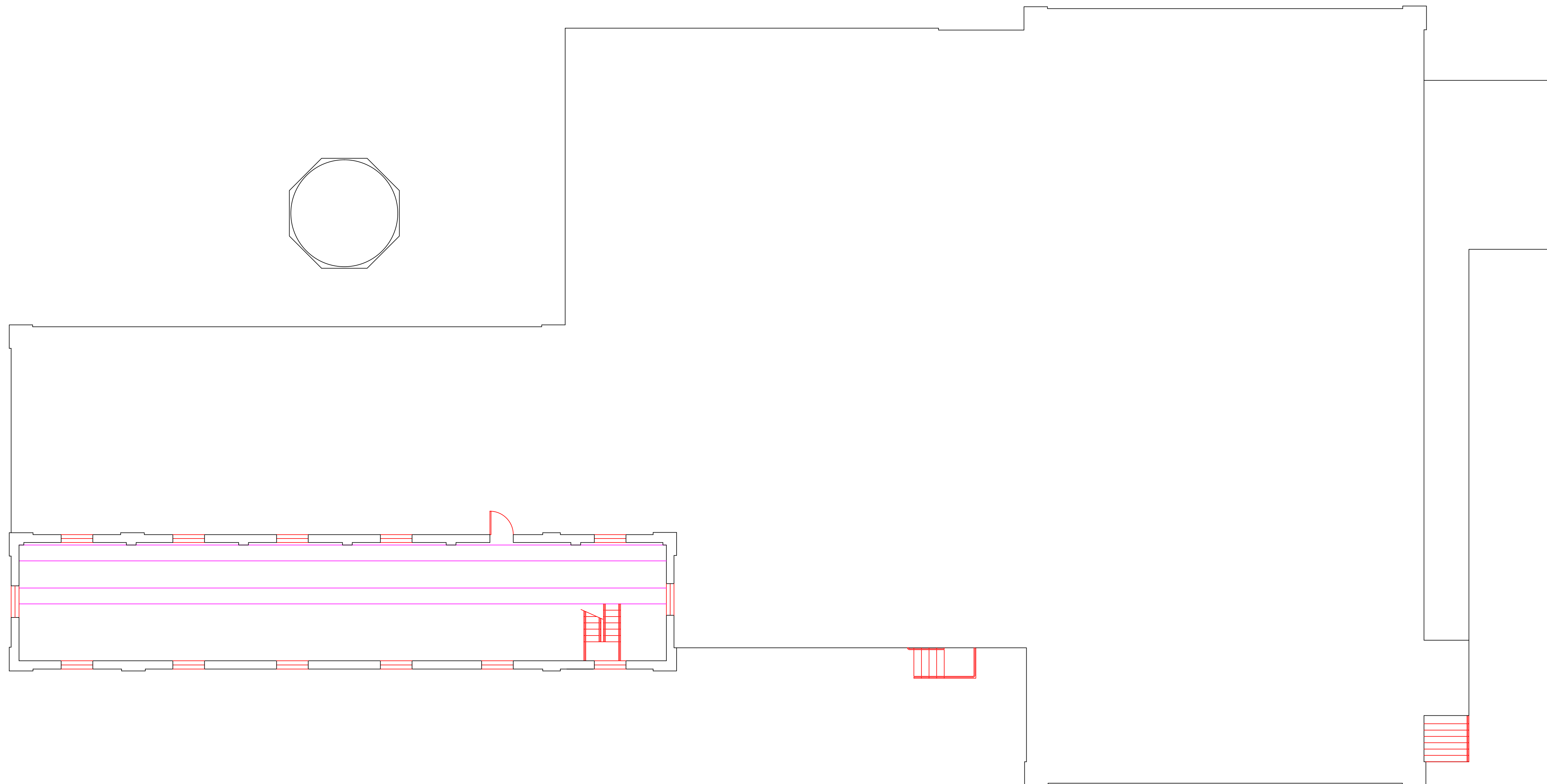
**NOTES**

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-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION MEZZANINE LEVEL		ATC 200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-405-2000	
REVISIONS		date: 3/17/17	
mark	date	description	SCALE: 1/8" = 1'
			drawn by: AMW
			approved by: EF
			drawing no. ASB-MEA
CAD no.	project no.	2257316087	





- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
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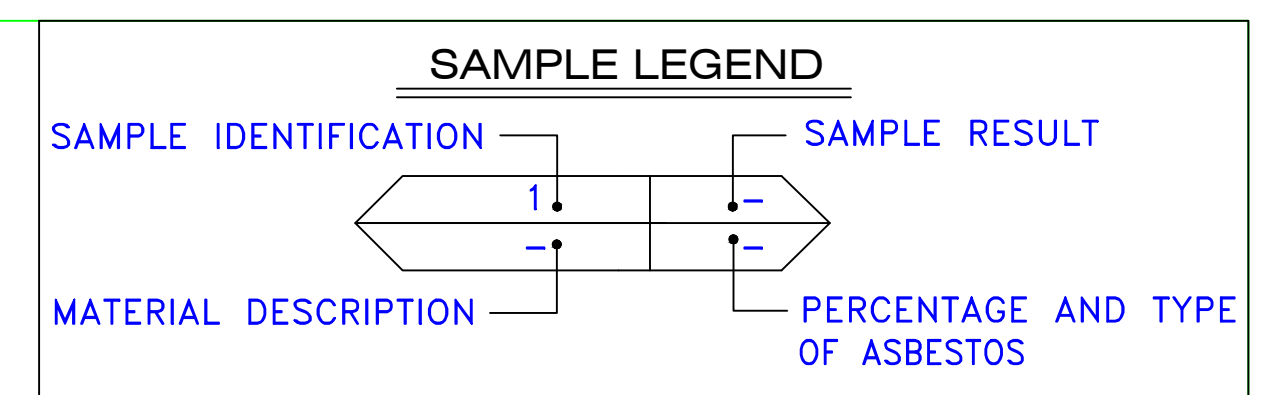
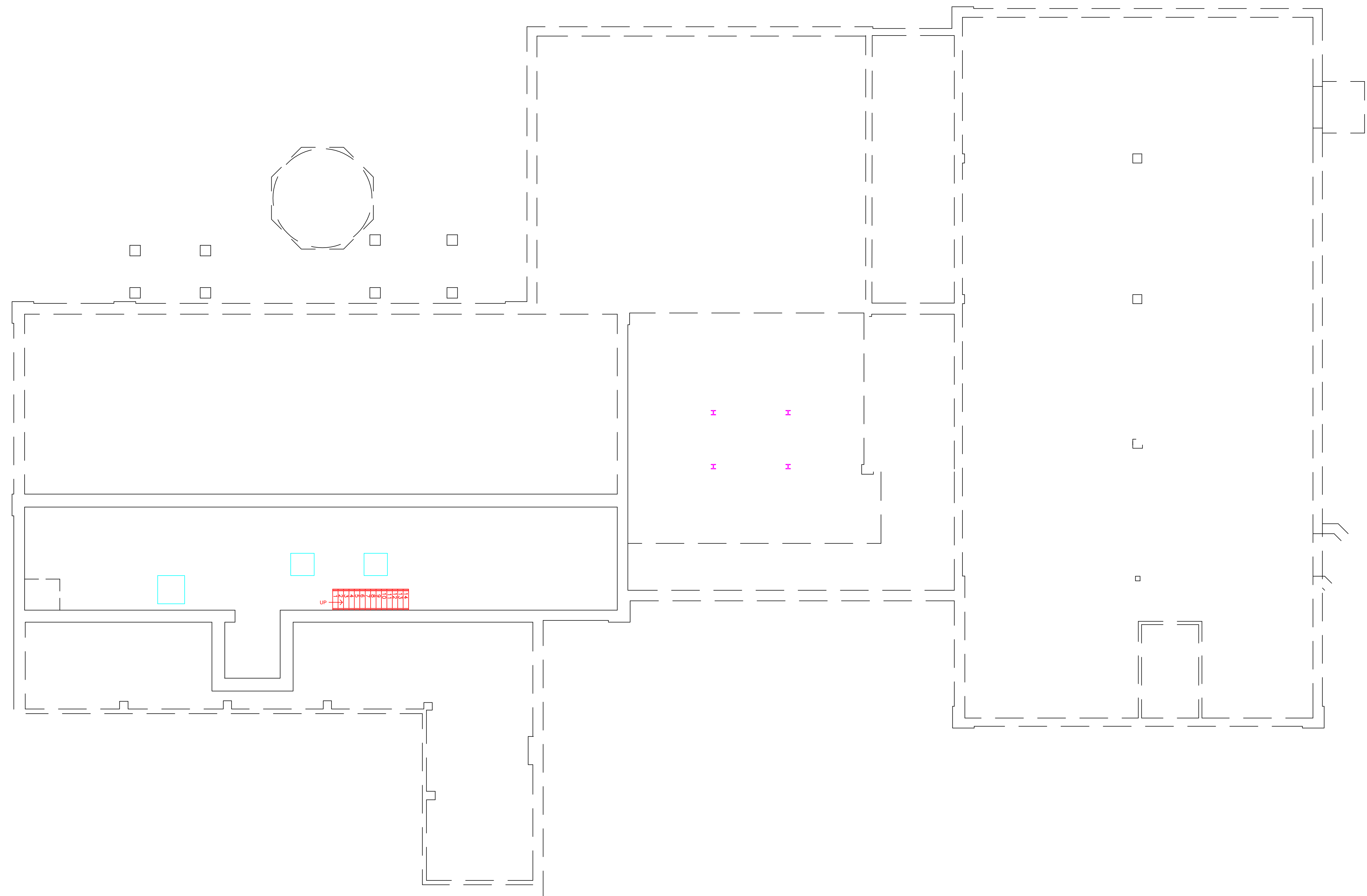
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**NOTES**

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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>SAMPLE LOCATION TOP FLOOR PLAN</b>		<b>ATC</b>	
REVISIONS		200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-405-2000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION POWER PLANT BUILDING 6 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/8" = 1'
CAD no.		project no.	drawn by AMW
		2257316087	approved by EF
			drawing no. ASB-TA



AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
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PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

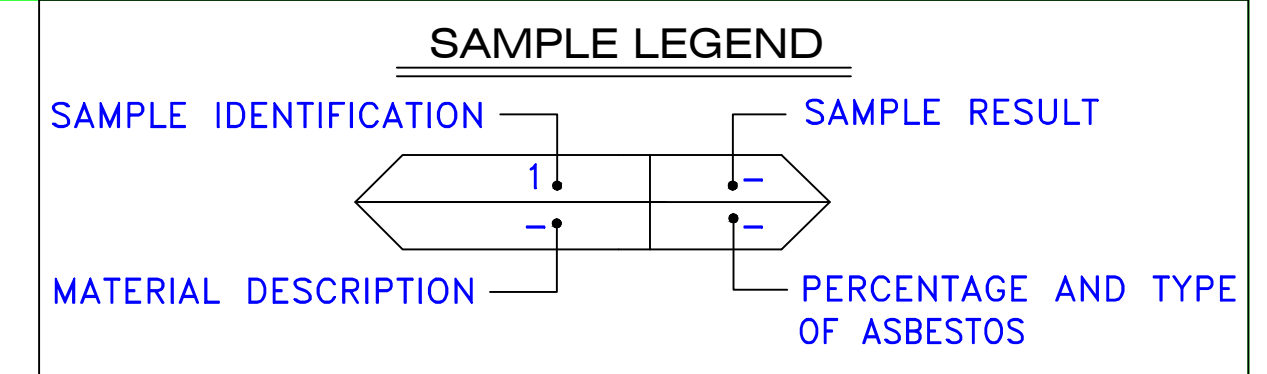
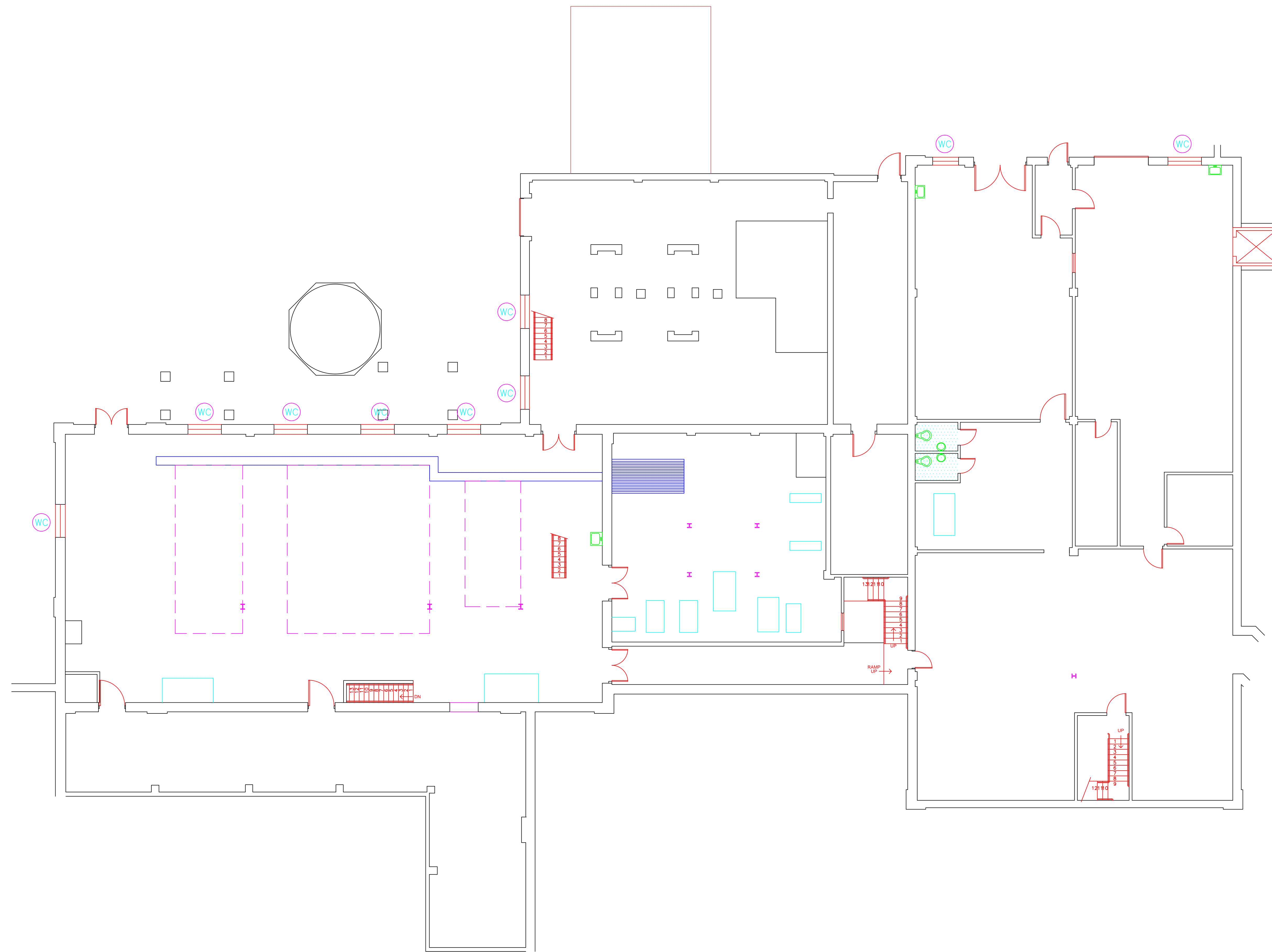
SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING

-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>ACM LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Telephone: 860-255-3333</small>	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION POWER PLANT BUILDING 6 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/8" = 1'
CAD no.		project no.	drawn by AMW
		2257316087	approved by EF
			drawing no. ASB-BB

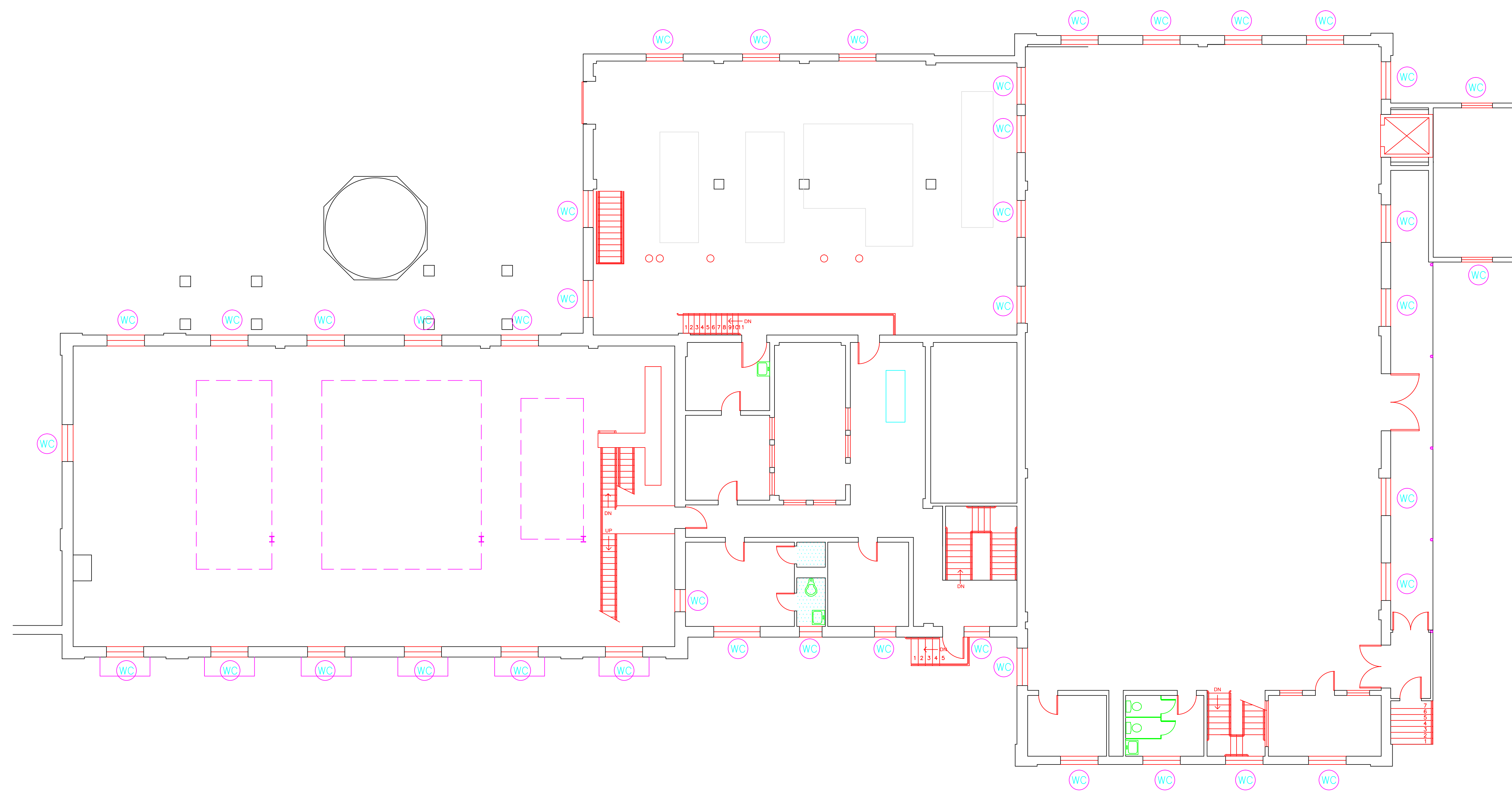


- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>ACM LOCATION GROUND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Phone: 860-405-2000</small>	
mark	date description		
		date 3/17/17	scale 1/8" = 1'
project		drawn by AMW	approved by EF
project no. 2257316087		drawing no. ASB-GB	

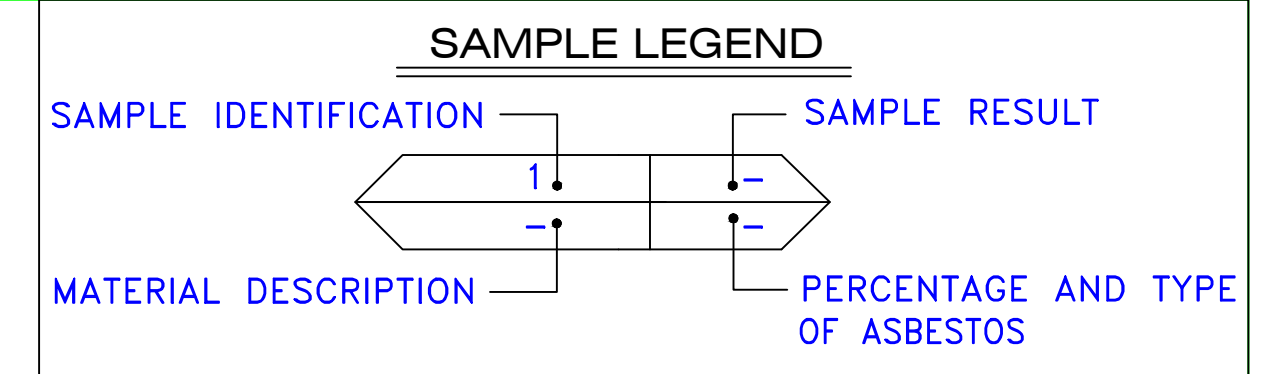
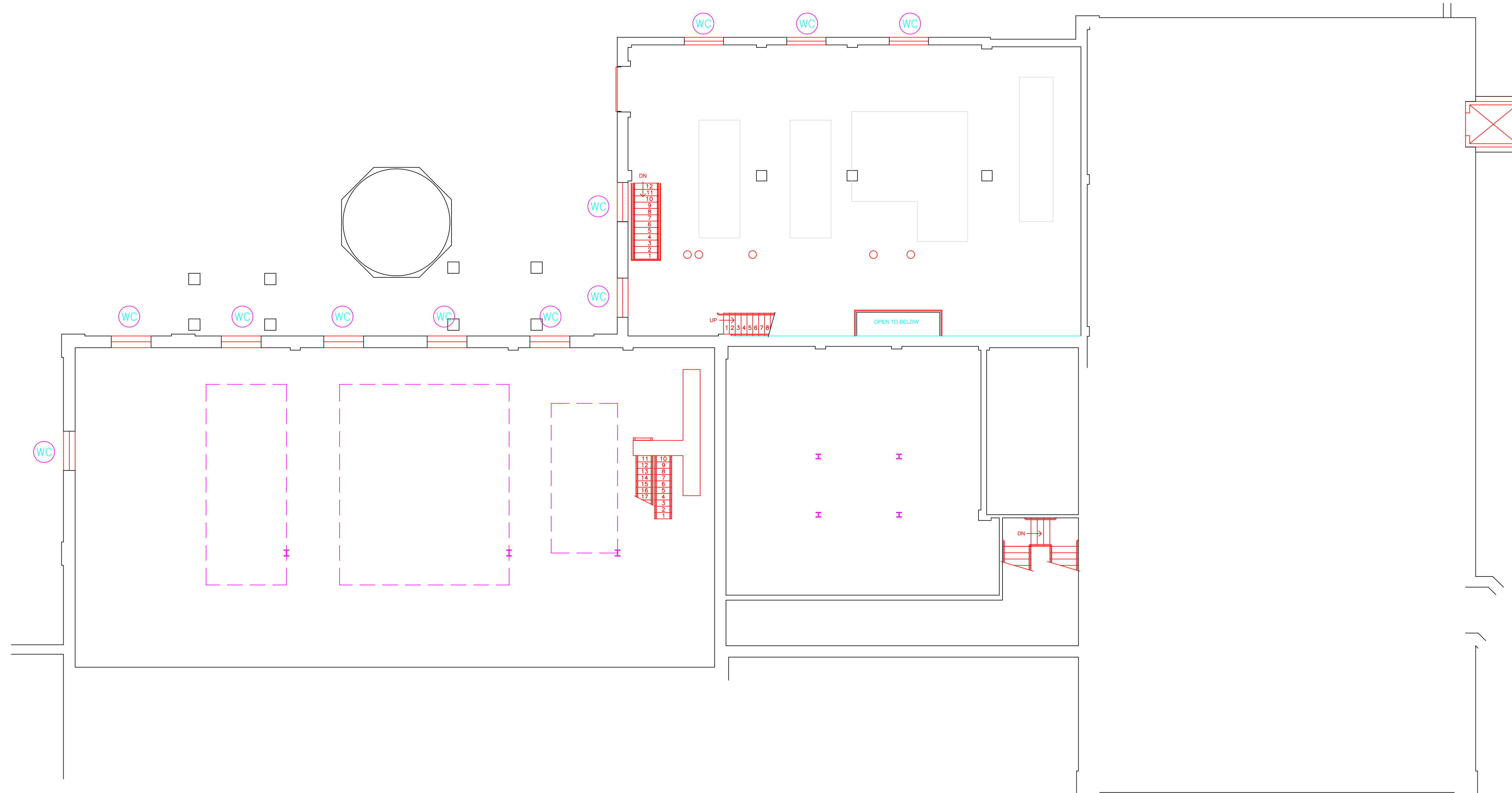


SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CTFG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EFJ	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
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 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>ACM LOCATION MAIN FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-406-6000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION POWER PLANT BUILDING 6 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/8" = 1'
CAD no.		project no.	drawn by AMW
			approved by EF
			drawing no. ASB-MB
			2257316087



AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSTUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
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PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
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TR	=	TRACE
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WC	=	WINDOW CAULKING
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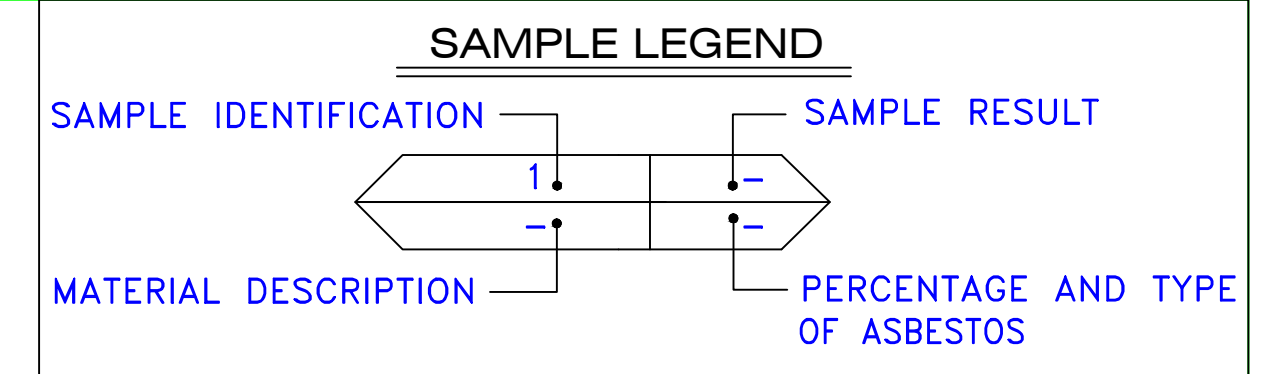
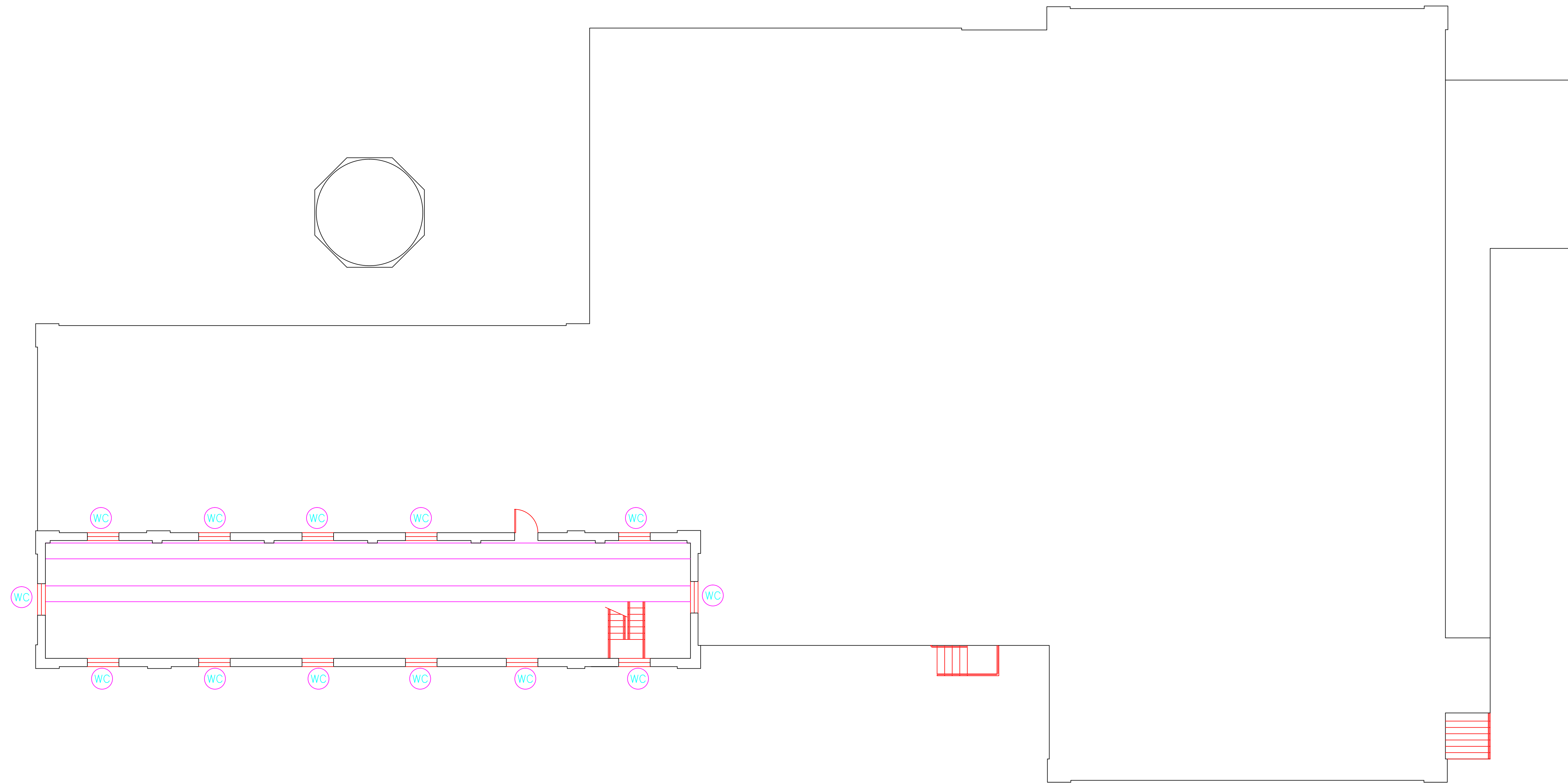
SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
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	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

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-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>ACM LOCATION MEZZANINE LEVEL</b>		<b>ATC</b>	
REVISIONS		200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-406-1000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION POWER PLANT BUILDING 6 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/8" = 1'
drawing no.		drawn by AMW	approved by EF
CAD no.		project no. 2257316087	drawing no. ASB-MEB



SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
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LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
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MM	= MISCELLANEOUS MATERIAL
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SYMBOL	MATERIAL DESCRIPTION
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**NOTES**  
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drawing title <b>ACM LOCATION TOP FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
project		 ENVIRONMENTAL - GEOTECHNICAL BUILDING SUBJECTS - MATERIALS TESTING 200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-406-1000	SCALE: 1/8" = 1'
project		BUILDING INSPECTION POWER PLANT BUILDING 6 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW
CAD no.		project no. 2257316087	approved by EF
			drawing no. ASB-TB



ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SCIENCES • MATERIALS TESTING

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
Telephone 860-282-9924  
Fax 860-282-9826  
[www.atcgroupservices.com](http://www.atcgroupservices.com)

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 7  
Veterans Services Complex  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53088  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Veterans Services Complex, Building 7, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**

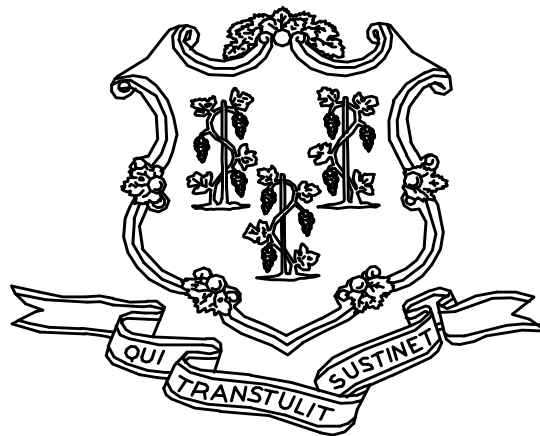
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**VETERANS SERVICES COMPLEX  
BUILDING 7  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53088  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**



## Table of Contents

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1.0	INTRODUCTION
2.0	ASBESTOS-CONTAINING MATERIALS SURVEY
3.0	ASBESTOS-CONTAINING MATERIALS
4.0	DISCUSSION AND RECOMMENDATIONS
5.0	LIMITATIONS
6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
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APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Veterans Services Complex, Building 7 at the State Veterans Home in Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to fire alarm renovation activities.

The inspection was conducted by Mr. Ben Silverman on November 3, 2016. Mr. Silverman is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspector (CTDPH license number 000783). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: floor tile and associated mastic, joint compound, plaster skim and base coat, and cementitious ceiling.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### 3.0 ASBESTOS-CONTAINING MATERIALS

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 9" x 9" White Streaked Floor Tile and Associated Mastic
- 9" x 9" Black/Brown Floor Tile and Associated Mastic
- 9" x 9" Dark Red Floor Tile and Associated Mastic
- Cementitious Ceiling

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- 12" x 12" Cream Self Stick Floor Tile and Associated Mastic
- Wall Plaster - Skim Coat
- Wall Plaster- Base Coat
- Ceiling Plaster - Skim Coat
- Ceiling Plaster- Base Coat
- Joint Compound

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 7 - VETERANS SERVICES COMPLEX**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
110316-B7-1A	Room 6 - Kitchen	Wall Plaster - Skim Coat	ND	
110316-B7-1B	Room 6 - Kitchen	Wall Plaster - Skim Coat	ND	
110316-B7-1C	Bath 105 - B	Wall Plaster - Skim Coat	ND	
110316-B7-1D	Room 108	Wall Plaster - Skim Coat	ND	
110316-B7-1E	Closet 114 - A	Wall Plaster - Skim Coat	ND	
110316-B7-1F	Closet 214 - B	Wall Plaster - Skim Coat	ND	
110316-B7-1G	Closet 214 - B	Wall Plaster - Skim Coat	ND	
110316-B7-2A	Room 6 - Kitchen	Wall Plaster - Base Coat	ND	
110316-B7-2B	Room 6 - Kitchen	Wall Plaster - Base Coat	ND	
110316-B7-2C	Bath Room 105 - B	Wall Plaster - Base Coat	ND	
110316-B7-2D	Room 108	Wall Plaster - Base Coat	ND	
110316-B7-2E	Closet 114 - A	Wall Plaster - Base Coat	ND	
110316-B7-2F	Closet 214 - A	Wall Plaster - Base Coat	ND	
110316-B7-2G	Closet 214 - A	Wall Plaster - Base Coat	ND	
<b>110316-B7-3A</b>	<b>Stair 112</b>	<b>Cementitious Ceiling</b>	<b>3</b>	<b>Chrysotile</b>
<b>110316-B7-3B</b>	<b>Stair 212</b>	<b>Cementitious Ceiling</b>	<b>5</b>	<b>Chrysotile</b>
110316-B7-4A	Janitor - Room 10	Ceiling Plaster - Skim Coat	ND	
110316-B7-4B	Mechanical Room 12	Ceiling Plaster - Skim Coat	ND	
110316-B7-4C	Mechanical Room 12	Ceiling Plaster - Skim Coat	ND	
110316-B7-5A	Janitor Room - 10	Ceiling Plaster - Base Coat	ND	
110316-B7-5B	Mechanical Room 12	Ceiling Plaster - Base Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 7 - VETERANS SERVICES COMPLEX**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
110316-B7-5C	Mechanical Room 12	Ceiling Plaster - Base Coat	ND	
110316-B7-6A	Bath 101 - B	White Joint Compound	ND	
110316-B7-6B	Bath 101 - B	White Joint Compound	ND	
<b>110316-B7-7A</b>	<b>Room 1 - Closet</b>	<b>9" x 9" White Streaked Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
<b>110316-B7-7B</b>	<b>Room 3 - Closet</b>	<b>9" x 9" White Streaked Floor Tile</b>	<b>Positive Stop</b>	
<b>110316-B7-8A</b>	<b>Room 1 - Closet</b>	<b>Mastic for 9" x 9" White Streaked Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>110316-B7-8B</b>	<b>Room 3 - Closet</b>	<b>Mastic for 9" x 9" White Streaked Floor Tile</b>	<b>Positive Stop</b>	
<b>110316-B7-9A</b>	<b>Room 9</b>	<b>9" x 9" Black/Brown Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>110316-B7-9B</b>	<b>Room 105</b>	<b>9" x 9" Black/Brown Floor Tile</b>	<b>Positive Stop</b>	
<b>110316-B7-10A</b>	<b>Room 9</b>	<b>Mastic for 9" x 9" Black/Brown Floor Tile</b>	<b>6</b>	<b>Chrysotile</b>
<b>110316-B7-10B</b>	<b>Room 105</b>	<b>Mastic for 9" x 9" Black/Brown Floor Tile</b>	<b>Positive Stop</b>	
<b>110316-B7-11A</b>	<b>Room 108</b>	<b>9" x 9" Dark Red Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>110316-B7-11B</b>	<b>Stair 212</b>	<b>9" x 9" Dark Red Floor Tile</b>	<b>Positive Stop</b>	
<b>110316-B7-12A</b>	<b>Room 108</b>	<b>Mastic for 9" x 9" Dark Red Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
<b>110316-B7-12B</b>	<b>Stair 212</b>	<b>Mastic for 9" x 9" Dark Red Floor Tile</b>	<b>Positive Stop</b>	
110316-B7-13A	Kitchen Room 111	12" x 12" Cream Floor Tile Self - Stick	ND	
110316-B7-13B	Kitchen Room 111	12" x 12" Cream Floor Tile Self - Stick	ND	
110316-B7-14A	Kitchen Room 111	Mastic Under 12" x 12" Cream Floor Tile Self - Stick	ND	
110316-B7-14B	Kitchen Room 111	Mastic Under 12" x 12" Cream Floor Tile Self - Stick	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**





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**EMSL Order:** 031633996

**Customer ID:** ATCE54

**Customer PO:** 16-10133-0001

**Project ID:**

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**Received Date:** 11/12/2016 11:10 AM

**Analysis Date:** 11/13/2016 - 11/14/2016

**Collected Date:** 11/03/2016

**Project:** CT DCS/ 2257316087/ BUILDING 7/ VETERANS HOME/ ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
110316-B7-1A 031633996-0001	ROOM 6 - KITCHEN - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous	5% Cellulose	20% Gypsum 75% Non-fibrous (Other)	None Detected
110316-B7-1B 031633996-0002	ROOM 6 - KITCHEN - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous	2% Cellulose	30% Gypsum 68% Non-fibrous (Other)	None Detected
110316-B7-1C 031633996-0003	BATH 105 - B - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous	2% Cellulose	25% Gypsum 73% Non-fibrous (Other)	None Detected
110316-B7-1D 031633996-0004	ROOM 108 - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous		40% Gypsum 60% Non-fibrous (Other)	None Detected
110316-B7-1E 031633996-0005	CLOSET 114 - A - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
110316-B7-1F 031633996-0006	CLOSET 214 - B - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
110316-B7-1G 031633996-0007	CLOSET 214 - B - WALL PLASTER SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
110316-B7-2A 031633996-0008	ROOM 6 - KITCHEN - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 4% Vermiculite 71% Non-fibrous (Other)	None Detected
110316-B7-2B 031633996-0009	ROOM 6 - KITCHEN - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		12% Ca Carbonate 6% Vermiculite 4% Mica 78% Non-fibrous (Other)	None Detected
110316-B7-2C 031633996-0010	BATH 105 - B - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous	3% Cellulose	40% Quartz 20% Gypsum 37% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/14/2016 04:52:21



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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
110316-B7-2D 031633996-0011	ROOM 108 - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		20% Quartz 20% Gypsum 60% Non-fibrous (Other)	None Detected
110316-B7-2E 031633996-0012	CLOSET 114 - A - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous	3% Cellulose	40% Quartz 15% Ca Carbonate 42% Non-fibrous (Other)	None Detected
110316-B7-2F 031633996-0013	CLOSET 214 - B - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (Other)	None Detected
110316-B7-2G 031633996-0014	CLOSET 214 - B - WALL PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 10% Ca Carbonate 50% Non-fibrous (Other)	None Detected
110316-B7-3A 031633996-0015	STAIR 112 - CEMENTITIOUS CEILING	Green Non-Fibrous Homogeneous	12% Cellulose	60% Gypsum 25% Non-fibrous (Other)	3% Chrysotile
110316-B7-3B 031633996-0016	STAIR 212 - CEMENTITIOUS CEILING	Blue Fibrous Homogeneous	15% Cellulose	50% Ca Carbonate 30% Non-fibrous (Other)	5% Chrysotile
110316-B7-4A 031633996-0017	JANITOR - ROOM 10 - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		40% Gypsum 60% Non-fibrous (Other)	None Detected
110316-B7-4B 031633996-0018	MECHANICAL ROOM 12 - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous	3% Cellulose	40% Gypsum 57% Non-fibrous (Other)	None Detected
110316-B7-4C 031633996-0019	MECHANICAL ROOM 12 - CEILING PLASTER SKIM COAT	White Non-Fibrous Homogeneous		47% Ca Carbonate 53% Non-fibrous (Other)	None Detected
110316-B7-5A 031633996-0020	JANITOR ROOM - 10 - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
110316-B7-5B 031633996-0021	MECHANICAL ROOM 12 - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous		10% Quartz 20% Gypsum 70% Non-fibrous (Other)	None Detected
110316-B7-5C 031633996-0022	MECHANICAL ROOM 12 - CEILING PLASTER BASE COAT	Gray Non-Fibrous Homogeneous	3% Cellulose	45% Quartz 15% Ca Carbonate 37% Non-fibrous (Other)	None Detected
110316-B7-6A 031633996-0023	BATH 101 - B - WHITE JOINT COMPOUND	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
110316-B7-6B 031633996-0024	BATH 101 - B - WHITE JOINT COMPOUND	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
110316-B7-7A 031633996-0025	ROOM 1 - CLOSET - WHITE STREAKED 9X9 FLOOR TILE	Gray/White Non-Fibrous Homogeneous		20% Ca Carbonate 76% Non-fibrous (Other)	4% Chrysotile
110316-B7-7B 031633996-0026	ROOM 3 - CLOSET - WHITE STREAKED 9X9 FLOOR TILE				Positive Stop (Not Analyzed)
110316-B7-8A 031633996-0027	ROOM 1 - CLOSET - MASTIC FOR WHITE STREAKED 9X9	Black Non-Fibrous Homogeneous	10% Cellulose	20% Ca Carbonate 67% Non-fibrous (Other)	3% Chrysotile
110316-B7-8B 031633996-0028	ROOM 3 - CLOSET - MASTIC FOR WHITE STREAKED 9X9				Positive Stop (Not Analyzed)
110316-B7-9A 031633996-0029	ROOM 9 - BLACK/ BROWN 9X9 FLOOR TILE	Black Non-Fibrous Homogeneous		15% Ca Carbonate 82% Non-fibrous (Other)	3% Chrysotile
110316-B7-9B 031633996-0030	ROOM 105 - BLACK/ BROWN 9X9 FLOOR TILE				Positive Stop (Not Analyzed)

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**Project:** CT DCS/ 2257316087/ BUILDING 7/ VETERANS HOME/ ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
110316-B7-10A 031633996-0031	ROOM 9 - MASTIC FOR BLACK/ BROWN 9X9	Brown/Black Non-Fibrous Homogeneous	2% Cellulose	3% Mica 89% Non-fibrous (Other)	6% Chrysotile
110316-B7-10B 031633996-0032	ROOM 105 - MASTIC FOR BLACK/ BROWN 9X9				Positive Stop (Not Analyzed)
110316-B7-11A 031633996-0033	ROOM 108 - DARK RED 9X9 FLOOR TILE	Brown/Black Non-Fibrous Homogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
110316-B7-11B 031633996-0034	STAIR 212 - DARK RED 9X9 FLOOR TILE				Positive Stop (Not Analyzed)
110316-B7-12A 031633996-0035	ROOM 108 - MASTIC FOR DARK RED 9X9	Black Non-Fibrous Homogeneous		10% Gypsum 86% Non-fibrous (Other)	4% Chrysotile
110316-B7-12B 031633996-0036	STAIR 212 - MASTIC FOR DARK RED 9X9				Positive Stop (Not Analyzed)
110316-B7-13A 031633996-0037	KITCHEN 111 - CREAM SELF - STICK 12X12 TILE	White Non-Fibrous Homogeneous	3% Cellulose	65% Ca Carbonate 32% Non-fibrous (Other)	None Detected
110316-B7-13B 031633996-0038	KITCHEN 111 - CREAM SELF - STICK 12X12 TILE	White Non-Fibrous Homogeneous		10% Quartz 20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
110316-B7-14A 031633996-0039	KITCHEN 111 - MASTIC UNDER SELF STICK 12X12	Black/Yellow Non-Fibrous Homogeneous	5% Cellulose 5% Fibrous_Other	20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
110316-B7-14B 031633996-0040	KITCHEN 111 - MASTIC UNDER SELF STICK 12X12	Black Non-Fibrous Homogeneous	6% Cellulose	25% Ca Carbonate 69% Non-fibrous (Other)	None Detected

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**Received Date:** 11/12/2016 11:10 AM  
**Analysis Date:** 11/13/2016 - 11/14/2016  
**Collected Date:** 11/03/2016

**Project:** CT DCS/ 2257316087/ BUILDING 7/ VETERANS HOME/ ROCKY HILL CT

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 11/12/2016      Sample Receipt Time: 11:10 AM  
Analysis Completed Date: 11/14/2016      Analysis Completed Time: 4:48 AM

**Analyst(s):**

Ghaly Hemaya PLM (16)

Krystal Harris PLM (18)

**Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/14/2016 04:52:21

## BULK SAMPLE LOG

031633996

Page 1 of 3

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Scheduling ATC Inspector: Ben Silverman Client Name: CT PCS  
 Accreditation No.: 000743 Project No./Task No.: 2257316087  
 Survey Date: 11/3/16 Project Manager: Ed Pennell  
 Signature: Ben Silverman Requested Completion Date: \_\_\_\_\_  
 Lab Name: FMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 40  
 Building: Building 7 Address: Veteran's Home, Rocky Hill, CT

Location	Material Description	Type S	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of - (homogeneous material)	Field Number
Room 6 - Kitchen	Wall Plaster Skim Coat	S		N		1	110314-B7-1A
Bath 105-B						2	-1B
Room 108						3	-1C
Close 114-A						4	
Close 214-B						5	
						6	
Room 6 - Kitchen	Wall Plaster Base Coat	S		N		7	
Bath 105-B						8	
Room 108						9	
Close 114-A						10	
Close 214-B						11	
						12	
Stair 112	Cementitious Ceiling	Misc		N		13	
Stair 212						14	

Comments: Analyze all samples via PLM. Reserve stop on floor threads nuts/bushings/adhesives only  
 Notes: \_\_\_\_\_  
 Damage Factors: \_\_\_\_\_ Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no, hard-mod-soft surface)  
 Disturbance Factors: \_\_\_\_\_ Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Barriers (perm airtight-enclosed-encapsulated)  
 Relinquished By/Date: \_\_\_\_\_ Ventilation (yes-no, if yes, type) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)  
 Relinquished By/Date: \_\_\_\_\_

## BULK SAMPLE LOG

031633996

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Accreditation No.: 000783  
 Survey Date: 11/3/16  
 Signature: Ben Sill  
 Lab Name: EMSL  
 Building: Building 7  
 Address: Veteran's Home, Rocky Hill, CT  
 Client Name: CT DCS  
 Project No./Task No.: 2257316087  
 Project Manager: Ed Fenell  
 Requested Completion Date:  
 Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY  
 No. Samples Collected 40

Location	Material Description	Type	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Janitor-Room 10	Ceiling Plaster Skim Coat	S		N		3	110316-B7-4A
Mechanical Room 12	↓	↓		↓		3	-4B
↓	↓	↓		↓		3	-4C
Janitor Room - 10	Ceiling Plaster Base Coat	S		N		3	-5A
Mechanical Room 12	↓	↓		↓		3	-5B
↓	↓	↓		↓		3	-5C
Bath 101-B	White Joint Compound	Misc		N		2	-6A
↓	↓	↓		↓		2	-6B
Room 1-Closet	White Stacked 9x9 Floor tile	Misc		N		2	-7A
Room 3-Closet	White Stacked 9x9 Floor tile	Misc		N		2	-7B
Room 1-Closet	Masonry for white stacked 9x9	Misc		N		2	-7C
Room 9	Black/Brown 9x9 Floor tile	Misc		N		2	-7D
Room 105	Black/Brown 9x9 Floor tile	Misc		N		2	-7E
Room 9	Masonry for Black/Brown 9x9	Misc		N		2	-7F
Room 105	Masonry for Black/Brown 9x9	Misc		N		2	-7G

Comments: Analyze via PLM, Possible step on floor tiles and masonry/adhesives only.

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)  
 Disturbance Factors: Ventilation (yes-no, if yes, type) Air movement (high-moderate-low)  
 Relinquished By/Date: Ben Sill 11/11/16  
 Relinquished By/Date: \_\_\_\_\_  
 Received By/Date: Spec 11/11/16 11:10 AM  
 Received By/Date: \_\_\_\_\_

EMSL RECEIVED 11/14/16  
 EMSL RECEIVED 11/14/16  
 16 NOV 12 AM 11:10  
 16 NOV 12 AM 11:10



BULK SAMPLE LOG

031633996

Page 3 of 3

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Ben Silverman Client Name: CT DCS

Accreditation No.: 000783 Project No./Task No.: 2257316087

Survey Date: 11/3/16 Project Manager: Ed Fennell

Signature: Ben Bil Requested Completion Date: \_\_\_\_\_

Lab Name: EMSC Requested turnaround time (circle): 3 HR 6 HR 24 HR (48 HR) 3 DY 5 DY No. Samples Collected 40

Building: Building 7 Address: Veterans Home, Rocky Hill, CT

Location	Material Description	Type S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Room 108	Dark Red 9x9 Floor tile	MISC		N		2	110316-87-11A
Star 212	Dark Red 9x9 Floor tile	MISC		N		2	-124
Room 108	Masks for Dark Red 9x9	MISC		N		2	-128
Star 212	Cream Self-Snk 12x12 tile	MISC		N		2	-134
Kitchen 111	Masks under self-snk 12x12	MISC		N		2	-134
							EMSC RECEIVED
							16 NOV 12 AM 11:10

Comments: Analyze via PLM. Positive stop on floor tiles and masks only

Notes

Damage Factors: Physical (sig drng-dng-no drng) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no: hard-mod-soft surface)

Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Air vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Barriers (perm airtight-enclosed-encapsulated)

Ventilation (yes-no: if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Ben Bil Received By/Date: Ben 11/16 11:10 AM

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_



**APPENDIX A**  
**LICENSE AND CERTIFICATION**

Dear BENJAMIN SILVERMAN,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 509-7603  
oplcdph@ct.gov  
www.ct.gov/dph/license

Sincerely,



RAUL PINO, MD, MPH, COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH



EMPLOYER'S COPY

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
BENJAMIN SILVERMAN

VALIDATION NO. 03-531386      CERTIFICATE NO. 000783      CURRENT THROUGH 08/31/17

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

        
SIGNATURE      COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

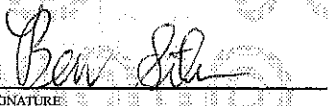

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
ASBESTOS CONSULTANT-INSPECTOR

BENJAMIN SILVERMAN

CERTIFICATE NO.  
000783

CURRENT THROUGH  
08/31/17

VALIDATION NO.  
03-531386

        
SIGNATURE      COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/education in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

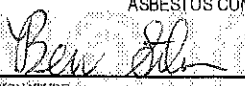

WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
BENJAMIN SILVERMAN

VALIDATION NO. 03-531386      CERTIFICATE NO. 000783      CURRENT THROUGH 08/31/17

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

        
SIGNATURE      COMMISSIONER

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Ben Silverman**

*has successfully completed the*  
**Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Marcus Soutra*

Principal Instructor: **Marcus Soutra**

**January 21, 2016**

Date of Course

**January 21, 2017**

Expiration Date

*Gregory Morsch*

Regional Training Manager

SLAR-5325

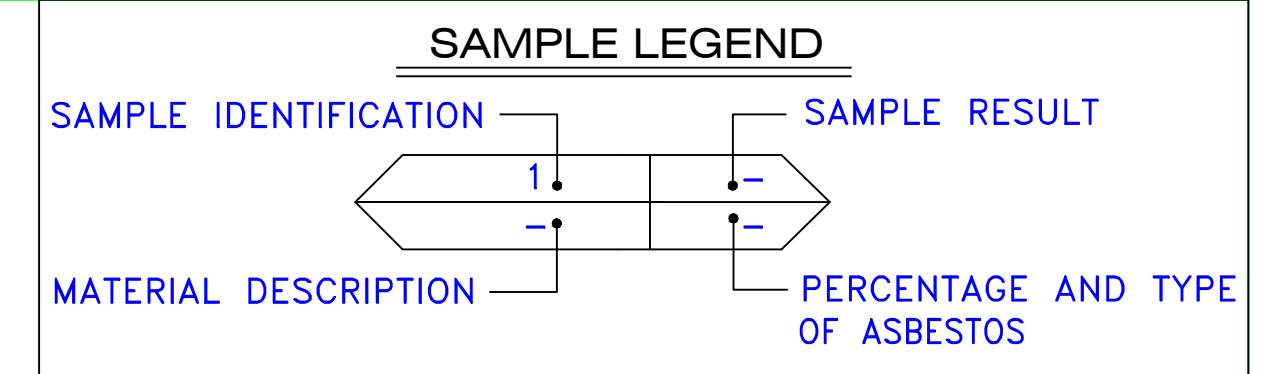
Certificate Number

**January 21, 2016**

Examination Date

**APPENDIX B**  
**DRAWINGS**

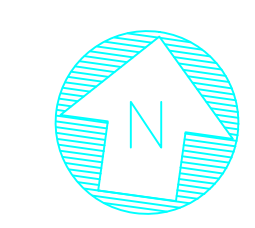
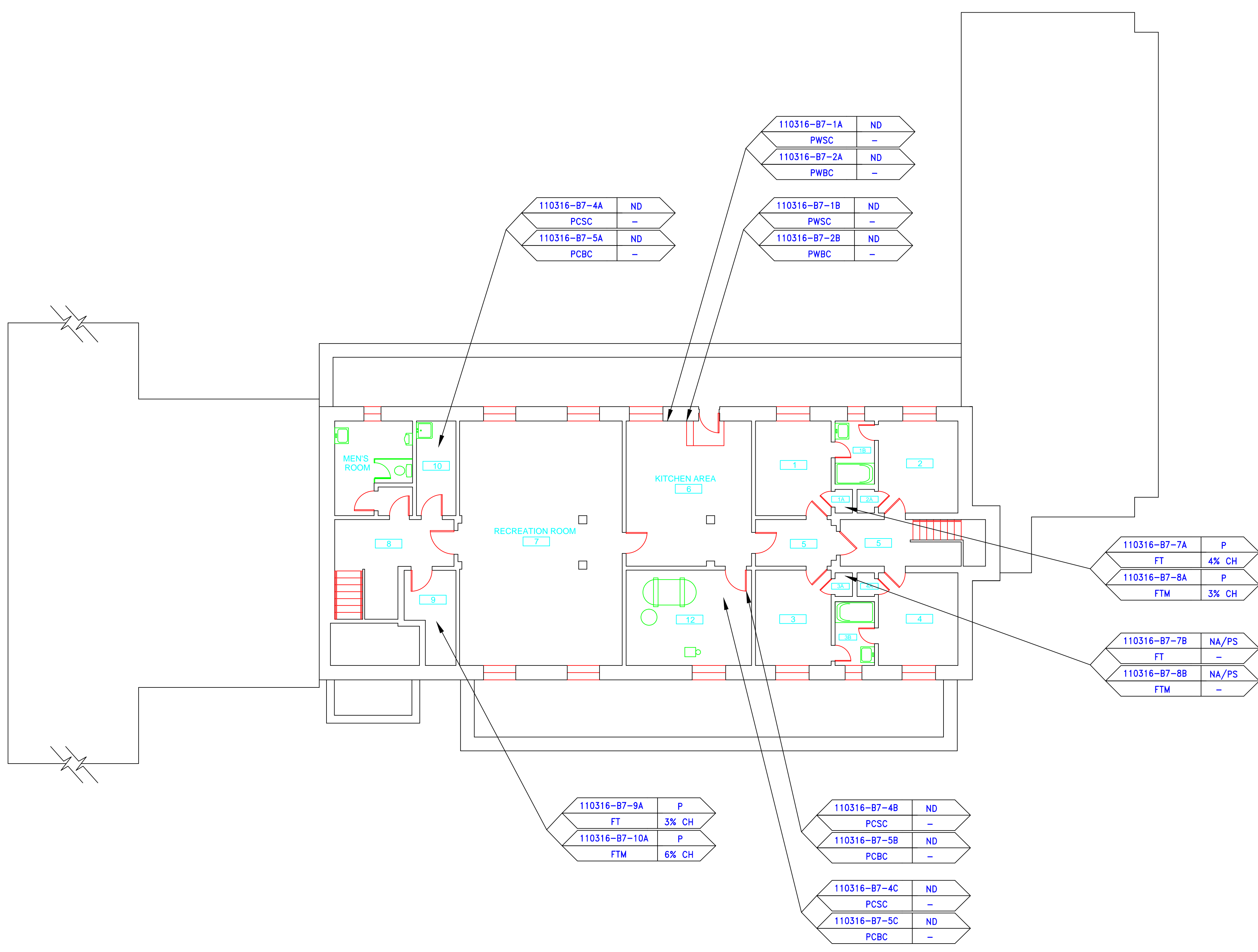




AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPNUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

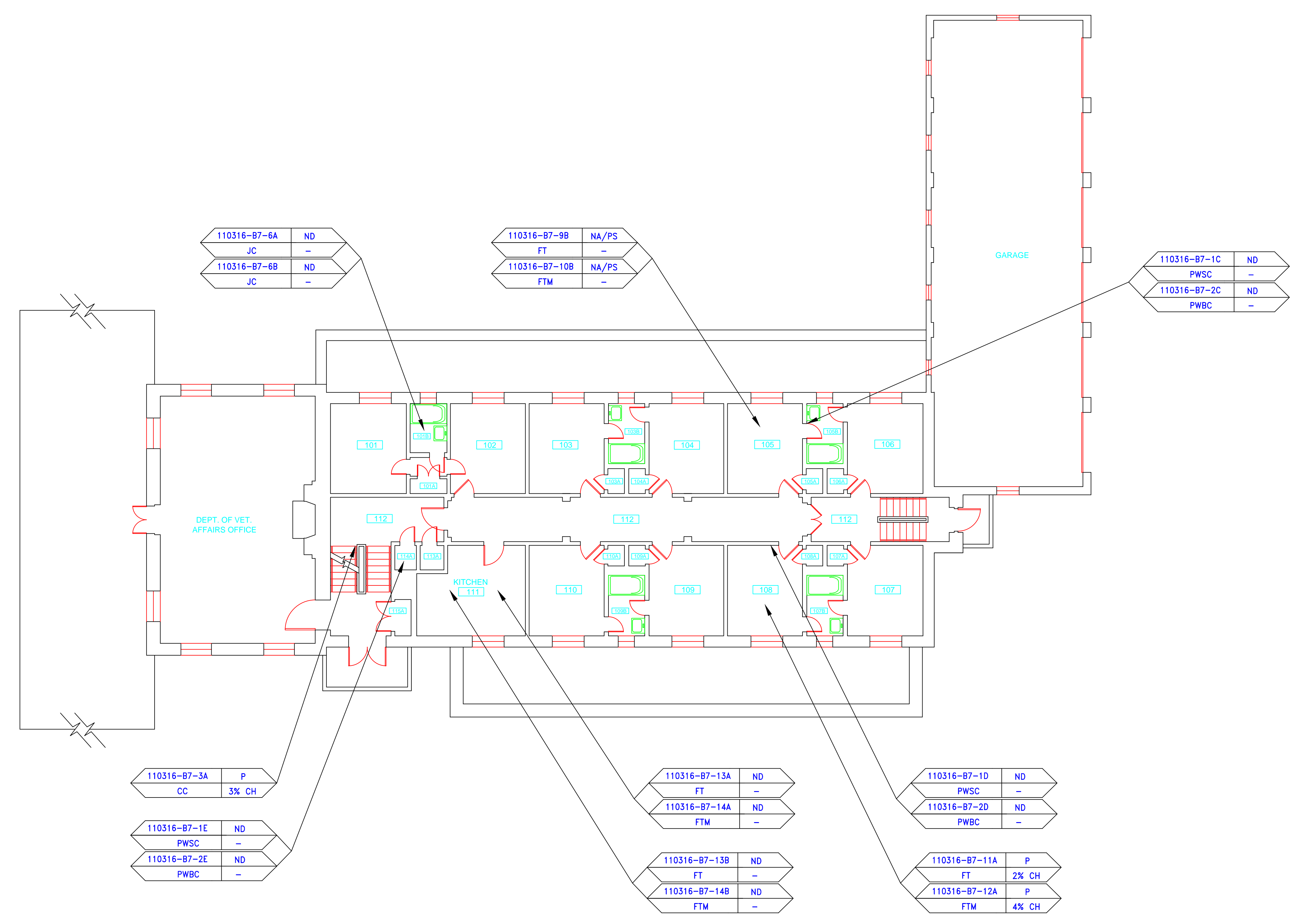
SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING



drawing title	<b>SAMPLE LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES
mark	date	description	date
			3/17/17
project: BUILDING INSPECTION VETERANS SERVICES COMPLEX BUILDING 7 STATE VETERANS HOME ROCKY HILL, CONNECTICUT			SCALE: 1/8" = 1'
drawn by: AMW			approved by: EF
drawing no.:			ASB-BA
project no.: 2257316087			

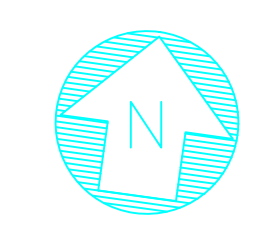
SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EFJ	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE



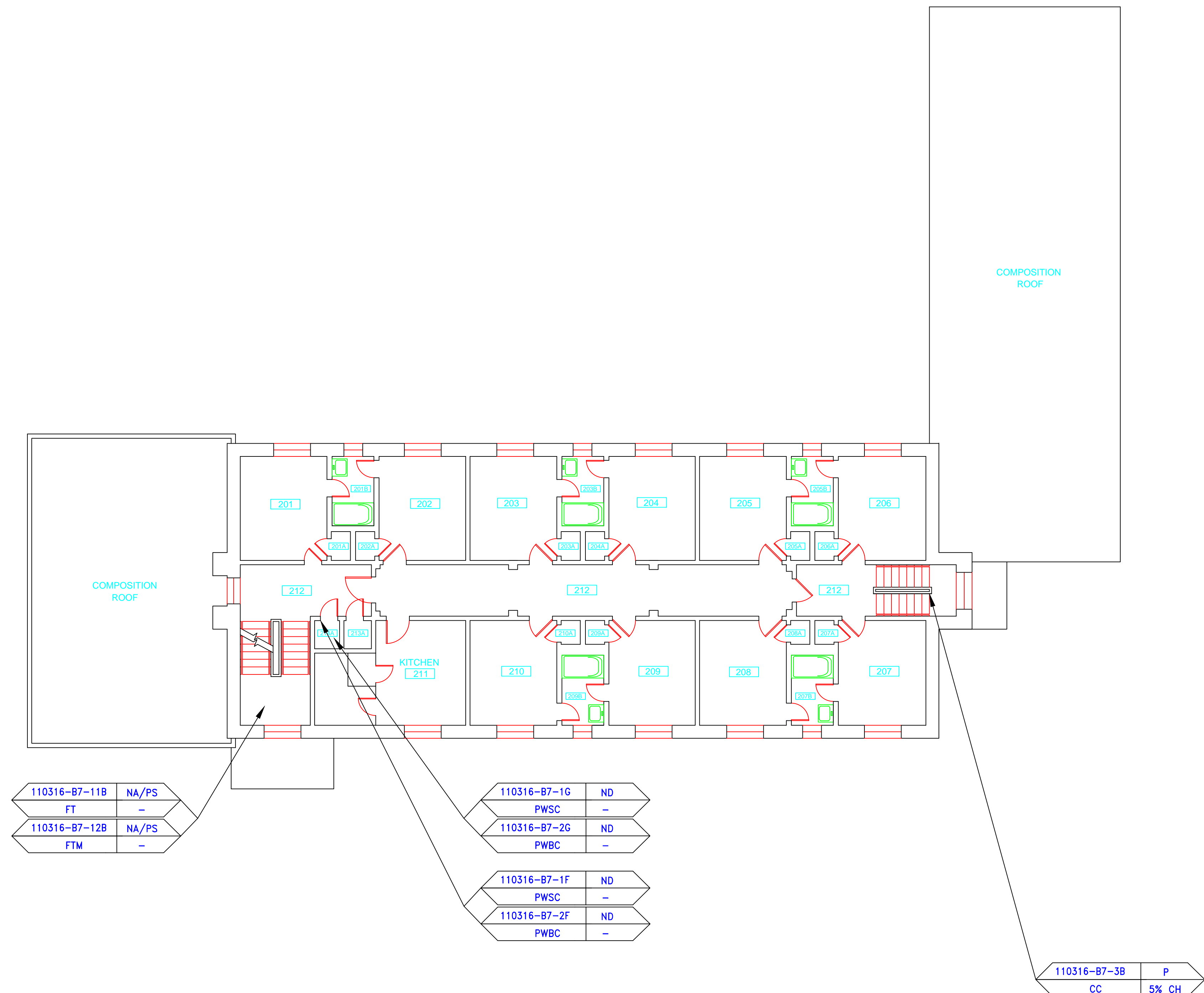
SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>SAMPLE LOCATION FIRST FLOOR PLAN</b>		<b>ATC</b>	
REVISIONS		200 Roberts Street - Suite 301 East Windsor, CT 06026 Phone: 860-405-2000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION VETERANS SERVICES COMPLEX BUILDING 7 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/8" = 1'
CAD no.		project no.	ASB-1A
		2257316087	



SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
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CTG	= CERAMIC FLOOR TILE GROUT
CTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
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GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE



110316-B7-11B	NA/PS
FT	-
110316-B7-12B	NA/PS
FTM	-

110316-B7-1G	ND
PWSC	-
110316-B7-2G	ND
PWBC	-

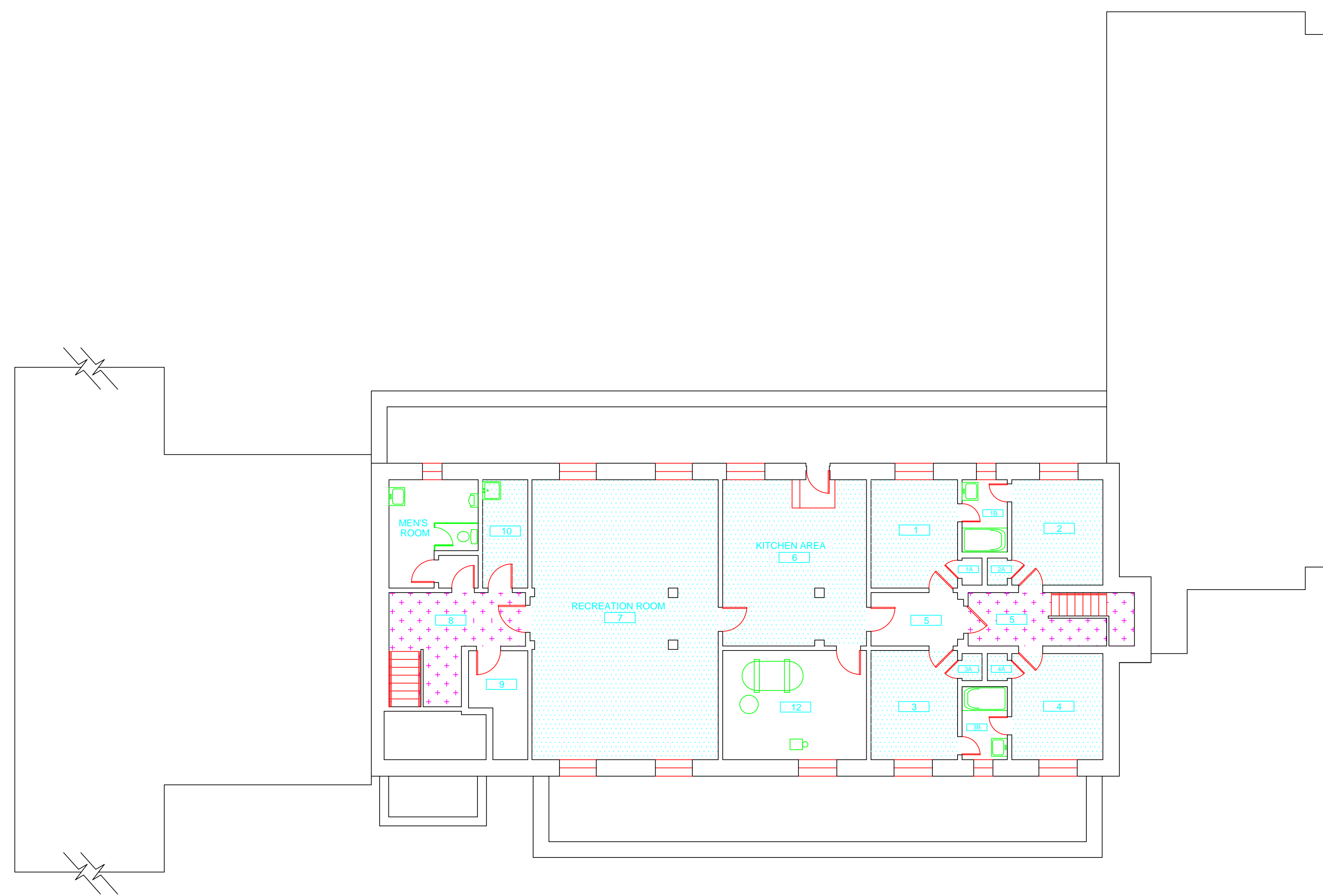
110316-B7-1F	ND
PWSC	-
110316-B7-2F	ND
PWBC	-

110316-B7-3B	P
CC	5% CH

SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

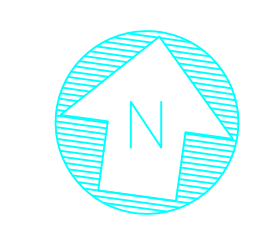
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SAMPLE LOCATION SECOND FLOOR PLAN		ATC 200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Environmental - Geotechnical Engineering - Material Testing	
REVISIONS		date 3/17/17	
mark	date	description	SCALE 1/8" = 1'
			drawn by AMW
			approved by EF
CAD no.	project no.	drawing no. ASB-2A	
	2257316087		



SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE FITTING INSULATION
PII	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

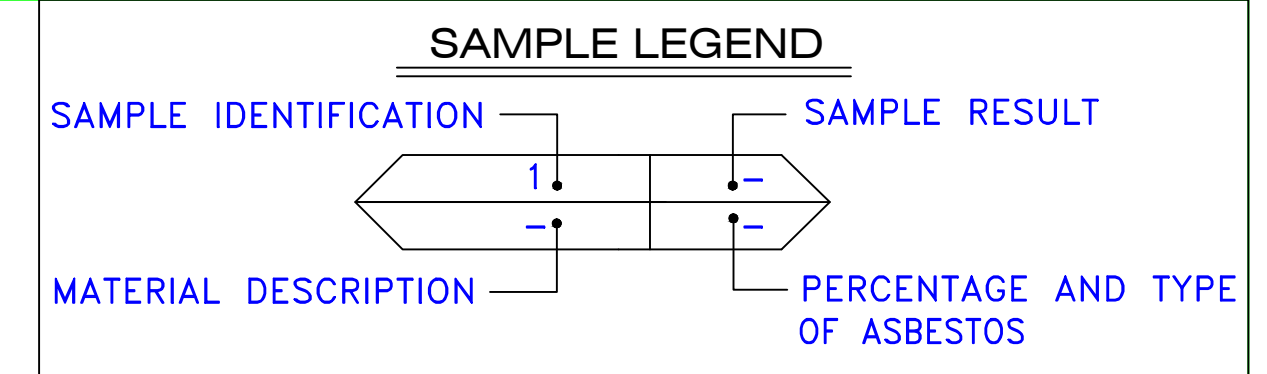
SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
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[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
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drawing title <b>ACM LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DATE	
mark	date	description	date
			3/17/17
project		SCALE 1/8" = 1'	
project		drawn by AMW	
project		approved by EF	
drawing no.		drawing no. ASB-BB	
CAD no.		project no. 2257316087	

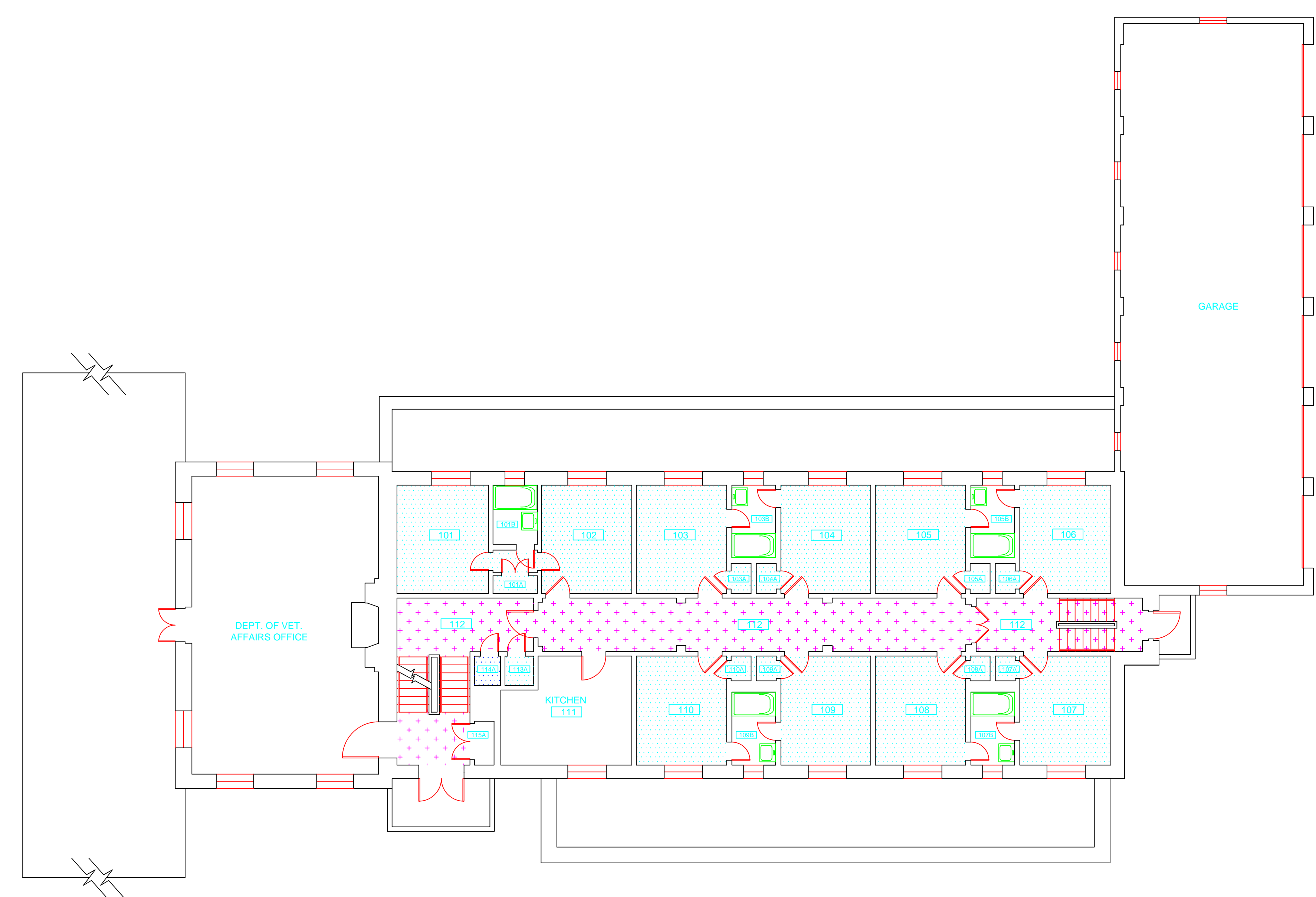




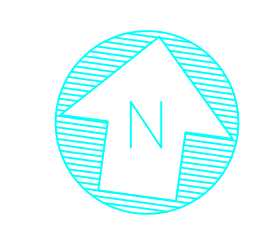
- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
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- CC = CEMENTITIOUS CEILING
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- DC = DOOR CAULKING
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- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
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- MC = MISCELLANEOUS CAULKING
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- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
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- PI = PIPE INSULATION
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- PLCB = PLASTER CEILING BASE COAT
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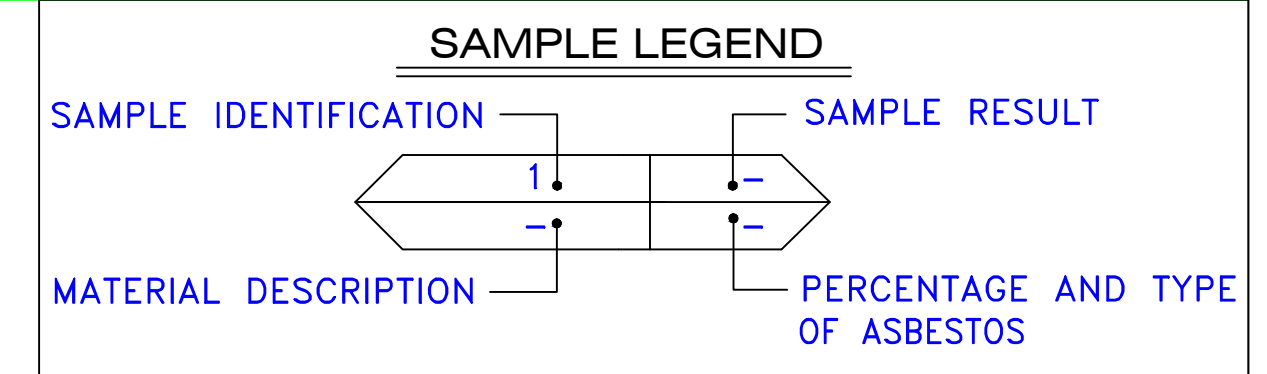
SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
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**NOTES**  
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drawing title <b>ACM LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DATE	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION VETERAN SERVICES COMPLEX BUILDING 7 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE 1/8" = 1'
CAD no.		project no.	drawn by AMW
		2257316087	approved by EF
			drawing no. ASB-1B

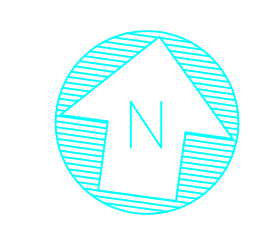
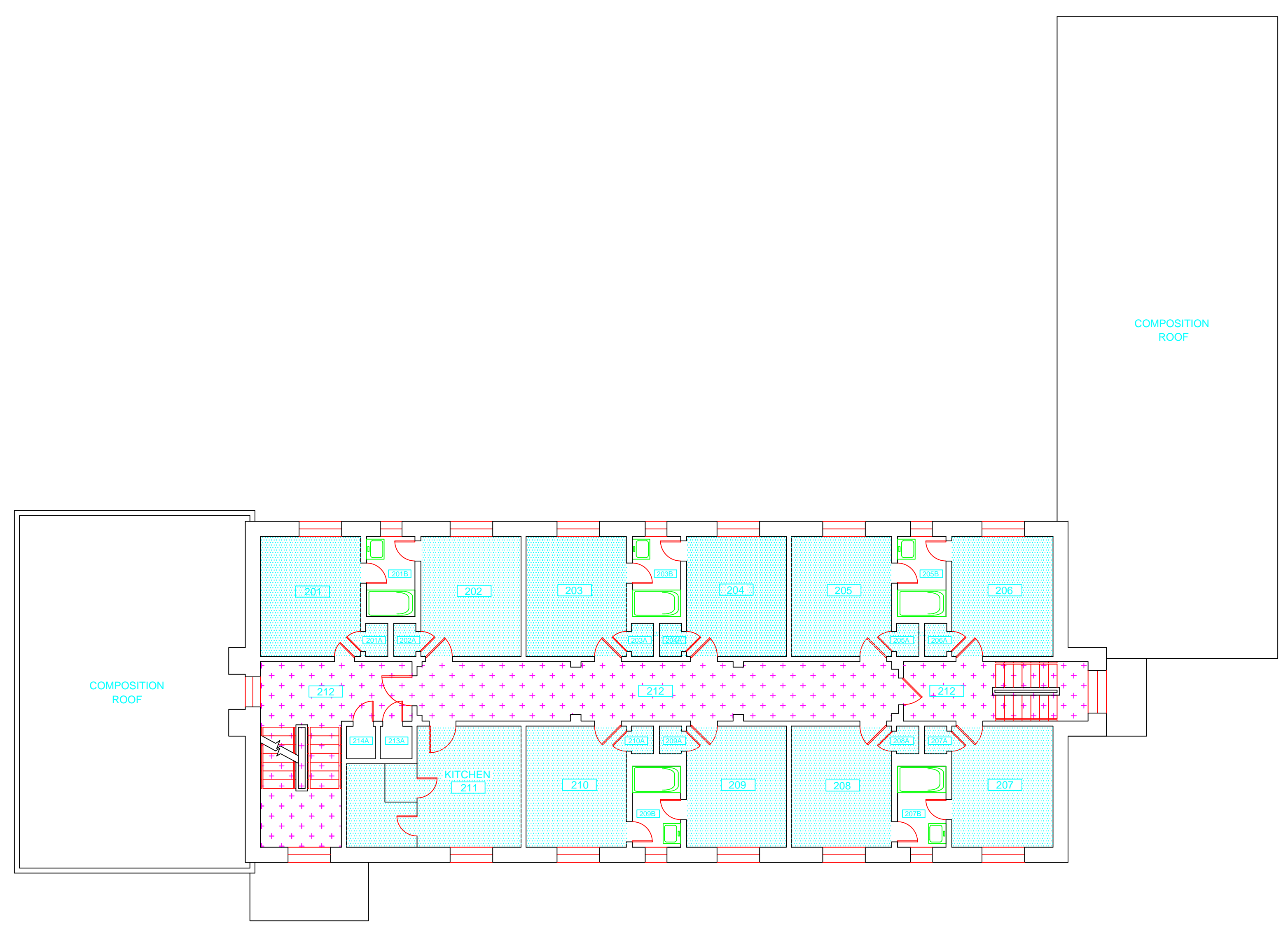




MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
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	ACM DUCT SEALANT
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	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

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drawing title <b>ACM LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DATE	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION VETERAN SERVICES COMPLEX BUILDING 7 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/8" = 1'
CAD no.		2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-2B

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 8  
Maintenance Shops  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53152  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Maintenance Shops, Building 8, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



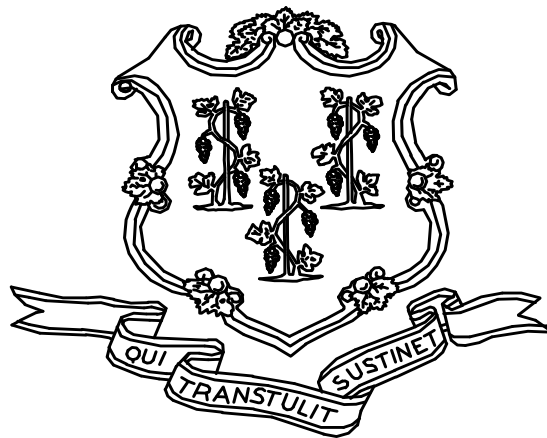
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**MAINTENANCE SHOPS  
BUILDING 8  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53152  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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3.0	ASBESTOS-CONTAINING MATERIALS
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5.0	LIMITATIONS
6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Maintenance Shops, Building 8 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Mr. John Coletti on November 14, 2016. Mr. Coletti is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspector (CTDPH license number 000399). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: floor tile and associated mastic, carpet adhesive, acoustic ceiling tile, plaster skim and base coat, silver paint on brick/concrete, textured paints, and window caulking and glazing.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 12" x 12" Off-White Floor Tile and Associated Mastic
- Window Caulking
- Window Glazing

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- 2' x 4' Acoustic Ceiling Tile
- Plaster Wall – Skim Coat
- Plaster Wall – Base Coat
- Silver Paint on Brick
- Silver Paint on Concrete
- Off-White Textured Paint
- Yellow Carpet Adhesive

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.



## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 8 – MAINTENANCE SHOPS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
111416-PHP-1A	Work Shop, Wood Storage	Silver Paint on Brick	ND	
111416-PHP-1B	Work Shop, Wood Storage	Silver Paint on Brick	ND	
111416-PHP-2A	Work Shop, Wood Storage	Silver Paint on Concrete	ND	
111416-PHP-2B	Work Shop, Wood Storage	Silver Paint on Concrete	ND	
111416-PHP-2C	Work Shop, Wood Storage	Silver Paint on Concrete	ND	
111416-PHP-3A	Ground Floor Carpentry	Off-White Textured Paint	ND	
111416-PHP-3B	Ground Floor Carpentry	Off-White Textured Paint	ND	
111416-PHP-3C	Ground Floor Plumbing	Off-White Textured Paint	ND	
111416-PHP-3D	Ground Floor Plumbing	Off-White Textured Paint	ND	
111416-PHP-3E	Ground Floor Plumbing	Off-White Textured Paint	ND	
111416-PHP-4A	Room 204	Yellow Carpet Adhesive	ND	
111416-PHP-4B	Room 202	Yellow Carpet Adhesive	ND	
<b>111416-PHP-5A</b>	<b>Room 204</b>	<b>12" x 12" Off-White Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>111416-PHP-5B</b>	<b>Room 202</b>	<b>12" x 12" Off-White Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>111416-PHP-6A</b>	<b>Room 204</b>	<b>Black Mastic for 12" x 12" Off-White Floor Tile</b>	<b>12</b>	<b>Chrysotile</b>
<b>111416-PHP-6B</b>	<b>Room 202</b>	<b>Black Mastic for 12" x 12" Off-White Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
111416-PHP-7A	Room 204	2' x 4' Acoustic Ceiling Tile	ND	
111416-PHP-7B	Room 202	2' x 4' Acoustic Ceiling Tile	ND	
111416-PHP-8A	Room 204	Textured Ceiling Coating (White)	ND	
111416-PHP-8B	Room 205	Textured Ceiling Coating (White)	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 8 – MAINTENANCE SHOPS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
111416-PHP-8C	Room 206	Textured Ceiling Coating (White)	ND	
111416-PHP-8D	Lobby	Textured Ceiling Coating (White)	ND	
111416-PHP-8E	Room 201	Textured Ceiling Coating (White)	ND	
<b>111416-PHP-9A</b>	<b>Exterior</b>	<b>Window Caulking</b>	<b>15</b>	<b>Chrysotile</b>
<b>111416-PHP-9B</b>	<b>Exterior</b>	<b>Window Caulking</b>	<b>10</b>	<b>Chrysotile</b>
<b>111416-PHP-10A</b>	<b>Exterior</b>	<b>Window Glazing Compound</b>	<b>4</b>	<b>Chrysotile</b>
111416-PHP-10B	Exterior	Window Glazing Compound	ND	
111416-PHP-11A	Room 203	Plaster Wall – Skim Coat	ND	
111416-PHP-11B	Room 203	Plaster Wall – Skim Coat	ND	
111416-PHP-11C	Room 203	Plaster Wall – Skim Coat	ND	
111416-PHP-12A	Room 203	Plaster Wall – Base Coat	ND	
111416-PHP-12B	Room 203	Plaster Wall – Base Coat	ND	
111416-PHP-12C	Room 203	Plaster Wall – Base Coat	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

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**EMSL Order:** 031634242

**Customer ID:** ATCE54

**Customer PO:** 2257316087

**Project ID:**

**Attention:** ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 11/15/2016 10:40 AM

**Analysis Date:** 11/16/2016 - 11/17/2016

**Collected Date:** 11/14/2016

**Project:** 2257316087/ PHYSICAL PLANT BUILD 8/ VETERANS HOME/ ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111416-PHP-1A 031634242-0001	GROUND FLOOR WORKSHOP/ WOOD STORAGE AREA - SILVER PAINT ON BRICK	White/Silver Non-Fibrous Homogeneous	4% Fibrous_Other	10% Gypsum 86% Non-fibrous (Other)	None Detected
111416-PHP-1B 031634242-0002	GROUND FLOOR WORKSHOP/ WOOD STORAGE AREA - SILVER PAINT ON BRICK	Silver Non-Fibrous Homogeneous		10% Quartz 20% Gypsum 70% Non-fibrous (Other)	None Detected
111416-PHP-2A 031634242-0003	GROUND FLOOR WORKSHOP/ WOOD STORAGE AREA - SILVER PAINT ON CONCRETE	Silver Non-Fibrous Homogeneous	5% Fibrous_Other	5% Gypsum 90% Non-fibrous (Other)	None Detected
111416-PHP-2B 031634242-0004	GROUND FLOOR WORKSHOP/ WOOD STORAGE AREA - SILVER PAINT ON CONCRETE	Silver Non-Fibrous Homogeneous	5% Fibrous_Other	3% Gypsum 92% Non-fibrous (Other)	None Detected
111416-PHP-2C 031634242-0005	GROUND FLOOR WORKSHOP/ WOOD STORAGE AREA - SILVER PAINT ON CONCRETE	Silver Non-Fibrous Homogeneous		10% Quartz 15% Gypsum 75% Non-fibrous (Other)	None Detected
111416-PHP-3A 031634242-0006	GROUND FLOOR CARPENTRY - OFF WHITE TEXTURED PAINT	White Non-Fibrous Homogeneous	3% Cellulose	8% Gypsum 3% Mica 86% Non-fibrous (Other)	None Detected
111416-PHP-3B 031634242-0007	GROUND FLOOR CARPENTRY - OFF WHITE TEXTURED PAINT	White Non-Fibrous Homogeneous	8% Cellulose	8% Gypsum 84% Non-fibrous (Other)	None Detected
111416-PHP-3C 031634242-0008	GROUND FLOOR PLUMBING - OFF WHITE TEXTURED PAINT	White Non-Fibrous Homogeneous	4% Cellulose	10% Gypsum 86% Non-fibrous (Other)	None Detected
111416-PHP-3D 031634242-0009	GROUND FLOOR PLUMBING - OFF WHITE TEXTURED PAINT	Beige Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/17/2016 11:53:10



# EMSL Analytical, Inc.

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**EMSL Order:** 031634242

**Customer ID:** ATCE54

**Customer PO:** 2257316087

**Project ID:**

**Attention:** ATC Group Services LLC  
290 Roberts Street  
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East Hartford, CT 06108

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**Project:** 2257316087/ PHYSICAL PLANT BUILD 8/ VETERANS HOME/ ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111416-PHP-3E 031634242-0010	GROUND FLOOR PLUMBING - OFF WHITE TEXTURED PAINT	Beige Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
111416-PHP-4A 031634242-0011	RM 204 - YELLOW CARPET MASTIC	Yellow Non-Fibrous Homogeneous	5% Cellulose	11% Ca Carbonate 25% Gypsum 59% Non-fibrous (Other)	None Detected
111416-PHP-4B 031634242-0012	RM 202 - YELLOW CARPET MASTIC	Yellow Non-Fibrous Homogeneous		12% Non-fibrous (Other)	None Detected
111416-PHP-5A 031634242-0013	RM 204 - 12"X12" OFF WHITE FLOOR TILE	White Non-Fibrous Homogeneous	3% Cellulose	45% Ca Carbonate 2% Mica 48% Non-fibrous (Other)	2% Chrysotile
111416-PHP-5B 031634242-0014	RM 202 - 12"X12" OFF WHITE FLOOR TILE	Gray/White Non-Fibrous Homogeneous		57% Ca Carbonate 0% Non-fibrous (Other)	3% Chrysotile
111416-PHP-6A 031634242-0015	RM 204 - BLACK MASTIC TO FLOOR TILES	Black Non-Fibrous Homogeneous		5% Gypsum 83% Non-fibrous (Other)	12% Chrysotile
111416-PHP-6B 031634242-0016	RM 202 - BLACK MASTIC TO FLOOR TILES	Black Fibrous Homogeneous	10% Cellulose	5% Non-fibrous (Other)	5% Chrysotile
111416-PHP-7A 031634242-0017	RM 204 - 2'X4' (WHITE) CEILING TILES	Gray Non-Fibrous Homogeneous	20% Cellulose 10% MinWool	20% Perlite 50% Non-fibrous (Other)	None Detected
111416-PHP-7B 031634242-0018	RM 202 - 2'X4' (WHITE) CEILING TILES	Brown Fibrous Homogeneous	40% Cellulose 35% MinWool	25% Perlite 0% Non-fibrous (Other)	None Detected
111416-PHP-8A 031634242-0019	RM 204 - TEXTURED CEILING (WHITE)	White Non-Fibrous Homogeneous	4% Cellulose	10% Ca Carbonate 10% Gypsum 76% Non-fibrous (Other)	None Detected

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Initial report from: 11/17/2016 11:53:10



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**Customer ID:** ATCE54

**Customer PO:** 2257316087

**Project ID:**

**Attention:** ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

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**Received Date:** 11/15/2016 10:40 AM

**Analysis Date:** 11/16/2016 - 11/17/2016

**Collected Date:** 11/14/2016

**Project:** 2257316087/ PHYSICAL PLANT BUILD 8/ VETERANS HOME/ ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111416-PHP-8B 031634242-0020	RM 205 - TEXTURED CEILING (WHITE)	White Non-Fibrous Homogeneous	2% Cellulose	11% Ca Carbonate 10% Gypsum 77% Non-fibrous (Other)	None Detected
111416-PHP-8C 031634242-0021	RM 206 - TEXTURED CEILING (WHITE)	White Non-Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 8% Gypsum 80% Non-fibrous (Other)	None Detected
111416-PHP-8D 031634242-0022	LOBBY - TEXTURED CEILING (WHITE)	Beige Non-Fibrous Homogeneous		20% Quartz 55% Ca Carbonate 25% Non-fibrous (Other)	None Detected
111416-PHP-8E 031634242-0023	RM 201 - TEXTURED CEILING (WHITE)	Beige Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
111416-PHP-9A 031634242-0024	EXTERIOR - WINDOW CAULKING COMPOUND	Various Non-Fibrous Homogeneous		20% Gypsum 65% Non-fibrous (Other)	15% Chrysotile
111416-PHP-9B 031634242-0025	EXTERIOR - WINDOW CAULKING COMPOUND	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 70% Non-fibrous (Other)	10% Chrysotile
111416-PHP-10A 031634242-0026	EXTERIOR - WINDOW GLAZING COMPOUND	White Non-Fibrous Homogeneous		50% Ca Carbonate 3% Mica 43% Non-fibrous (Other)	4% Chrysotile
111416-PHP-10B 031634242-0027	EXTERIOR - WINDOW GLAZING COMPOUND	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
Sample is different colour and texture from # 10A.					
111416-PHP-11A 031634242-0028	FLOOR 2 AT WINDOWS - PLASTER (SKIM)	White Non-Fibrous Homogeneous	5% Cellulose 2% Fibrous_Other	40% Ca Carbonate 8% Gypsum 45% Non-fibrous (Other)	None Detected
111416-PHP-11B 031634242-0029	FLOOR 2 AT WINDOWS - PLASTER (SKIM)	White Non-Fibrous Homogeneous	2% Fibrous_Other	20% Ca Carbonate 78% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/17/2016 11:53:10



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<b>EMSL Order:</b> 031634242
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 2257316087
<b>Project ID:</b>

<b>Attention:</b> ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 11/15/2016 10:40 AM <b>Analysis Date:</b> 11/16/2016 - 11/17/2016 <b>Collected Date:</b> 11/14/2016
<b>Project:</b> 2257316087/ PHYSICAL PLANT BUILD 8/ VETERANS HOME/ ROCKY HILL CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111416-PHP-11C 031634242-0030	FLOOR 2 AT WINDOWS - PLASTER (SKIM)	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
111416-PHP-12A 031634242-0031	FLOOR 2 AT WINDOWS - PLASTER (BASE)	White Non-Fibrous Homogeneous	2% Cellulose	40% Gypsum 58% Non-fibrous (Other)	None Detected
111416-PHP-12B 031634242-0032	FLOOR 2 AT WINDOWS - PLASTER (BASE)	White Non-Fibrous Homogeneous	4% Cellulose	45% Gypsum 51% Non-fibrous (Other)	None Detected
111416-PHP-12C 031634242-0033	FLOOR 2 AT WINDOWS - PLASTER (BASE)	White/Beige Non-Fibrous Homogeneous		45% Ca Carbonate 25% Gypsum 30% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/17/2016 11:53:10





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<b>EMSL Order:</b> 031634242
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 2257316087
<b>Project ID:</b>

<b>Attention:</b> ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 11/15/2016 10:40 AM <b>Analysis Date:</b> 11/16/2016 - 11/17/2016 <b>Collected Date:</b> 11/14/2016
<b>Project:</b> 2257316087/ PHYSICAL PLANT BUILD 8/ VETERANS HOME/ ROCKY HILL CT	

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	11/15/2016	Sample Receipt Time:	10:40 AM
Analysis Completed Date:	11/17/2016	Analysis Completed Time:	11:14 AM

### Analyst(s):

Emily Myint PLM (14)

Krystal Harris PLM (19)

### Samples Reviewed and approved by:

James Hall, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/17/2016 11:53:10



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# BULK SAMPLE LOG

Page 1 of 3

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031634242

Cardno ATC Inspector: JOHN COLLETTI	Client Name: CT PCS						
Accreditation No.: 000359	Project No./Task No.: 2257316087						
Survey Date: 11/14/16	Project Manager: EP FENNELC						
Signature: <i>[Signature]</i>	Requested Completion Date: 11/17/16						
Lab Name: EMS & C	Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY						
Building: PHYSICAL PLANT <sup>Bldg</sup> & Address: VETERANS HOME ROCKY HILLS, CT	No. Samples Collected: 90						
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
GROUND FLOOR WORK STORAGE WOOD STORAGE WOOD STORAGE	SILVER PAINT ON BRICK	Surf	475 SF	N	ND		111416-PHP-1A
	SILVER PAINT ON CONCRETE	Surf	650 SF	N	D		111416-PHP-2A
							LC
GROUND FLOOR CARPENTRY	OFF WHITE TEXTURED PAINT	Surf	4,400 SF	N	ND		111416-PHP-3A
GROUND FLOOR PLUMBING							
Room 204	YELLOW CARPET	MISC	1,780 SF	N	ND		111416-PHP-4A
204	RED 12" OFF WHITE	MISC	1,830 SF	N	ND		111416-PHP-5A
204	FLOOR TILE						

(14)

Comments:

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)

Disturbance Factors: Proximity (<1ft- 1-6ft- >6ft) Ventilation (yes-no; if yes, type)

Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: JOHN COLLETTI 11/14/16 Received By/Date: *[Signature]* 11/15/16 10:40 AM

Relinquished By/Date: *[Signature]* 11-17-16 11:51 AM Received By/Date: *[Signature]*



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# BULK SAMPLE LOG

Page 2 of 3

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031634242

Cardno ATC Inspector: JOHN COLETTI	Client Name: CT PCS						
Accreditation No.: 000339	Project No./Task No.: 2357316087						
Survey Date: 11/14/16	Project Manager: EP FENNEC						
Signature: <i>[Signature]</i>	Requested Completion Date: 11/17/16						
Lab Name: E.M.S.L.	Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY						
Building: Physics Plant	Address: VETERANS HOME, ROCKY HILLS						
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
ROOM 204	BLACK PASTIC TO	Misc	1830 SF	N	ND		111416-Php-6A
ROOM 204	FLOOR TILES	Misc	1430 SF	Y	ND		111416-Php-7A
ROOM 204	2'x4' (WHITE)	Surf	2,350 SF	Y	ND		111416-Php-8A
ROOM 204	CEILING TILES	↓	↓	↓	↓		111416-Php-9A
ROOM 205	TEXTURED	↓	↓	↓	↓		111416-Php-10A
ROOM 205	CEILING (WHITE)	↓	↓	↓	↓		111416-Php-11A
LOBBY	↓	↓	↓	↓	↓		111416-Php-12A
ROOM 201	↓	↓	↓	↓	↓		111416-Php-13A
EXTENSION	WINDOW CAULKING	Misc	48 EA	N	D		111416-Php-14A
	WINDOW GLAZING	↓	↓	↓	↓		111416-Php-15A
	COMPOUND	↓	↓	↓	↓		111416-Php-16A

Comments:

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no: if yes, type) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Friability (yes-no: hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: JOHN COLETTI 11/14/16 Received By/Date: *[Signature]* 11/15/16 10:30 AM  
Relinquished By/Date: Emily Ngat 11-17-16 11:15 AM

\* Revised CAC Page 3 of 3

031634242



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# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: JOHN COLETTI Client Name: CT DCJ  
 Accreditation No.: 000355 Project No./Task No.: 2257316087  
 Survey Date: 11/14/16 Project Manager: EP FENNEL  
 Signature: Requested Completion Date: 11/17/16  
 Lab Name: F.M.S.R. Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected: 40  
 Building: Physical Plant Address: VETERANS HOME, ROCKY HILL

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
FLOOR AT WINDOW	PLASTER (SKIN)	Surf	250 SF	Y	D		111416-PHF 11A
	PLASTER (BASE)	Surf	250 SF	Y	D		111416-PHF 11B
				L	L		111416-PHF 11C
				L	L		111416-PHF 11D
				L	L		111416-PHF 11E
				L	L		111416-PHF 11F
				L	L		111416-PHF 11G

EMSL MANHATTAN LAB  
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16 NOV 16 PM 7:32

Comments:

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft- 1-6ft->6ft) Ventilation (yes-no; if yes, type) Relinquished By/Date: JOHN COLETTI 11/14/16 Received By/Date: K... 11/16/16 7:32pm

Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Relinquished By/Date: Emily Myant 11-17-16 11:15A

Fraility (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

S:\BldgSa\Admin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc



BULK SAMPLE LOG

Page 3 of 3

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031634242

Cardno ATC Inspector: JOHN COLETTI Client Name: CT DCS  
 Accreditation No.: 000399 Project No./Task No.: 2257316087  
 Survey Date: 11/14/16 Project Manager: ER FENNEL  
 Signature: Requested Completion Date: 11/17/16  
 Lab Name: F.M.S. C. Requested turnaround time (circle) 3 HR 6 HR 24 HR (48 HR) 3 DY 5 DY No. Samples Collected 90  
 Building: Physical Plant 8 Address: VETERANS HOME ROCKY HILLS

Location	Material Description	Friable	Condition (SD D ND)	Sample of homogeneous material	Field Number
FLOOR AT WINDOWS	PLASTER (SKI)		P		111416-PhP-11A
	PLASTER (BAS)		D		11B
			T		11C
					11DA
					11DB
					11DC
					11DD
					11DE
					11DF
					11DG
					11DH
					11DI
					11DJ
					11DK
					11DL
					11DM
					11DN
					11DO
					11DP
					11DQ
					11DR
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					11DV
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					11DX
					11DY
					11DZ
					11EA
					11EB
					11EC
					11ED
					11EE
					11EF
					11EG
					11EH
					11EI
					11EJ
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					11EM
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					11NU
					11NV
					11NW
					11NX
					11NY

②

November 16, 2016

To whom this may concern,

In reference to E.M.S.L. order No. 031634242 (Building 8, Veterans Home, Rocky Hill, Connecticut), please discard the third page of the chain of custody, as I am sending an updated one for the last page of that project, and also sending an additional page that refers to Building 20, listed as detached garage in the original. This is a separate building, therefore it will have its own COC. Please keep the sample numbers the same as they start with the set 13 and continue to 15. Thank you very much for your cooperation.

John Coletti

ATC Group Services

EMSL MANHATTAN LAB  
RECEIVED  
16 NOV 16 PM 7:32

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

**Lookup Detail View**

**Name**

<b>Name</b>
JOHN A COLETTI

**License Information**

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	399	06/30/2017	11/30/1999	John Coletti	ACTIVE	None

Generated on: 7/11/2016 2:33:44 PM



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**John Coletti**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**



*Principal Instructor: Thomas Dion*

*September 15, 2016*

*Date of Course*

*September 15, 2017*

*Expiration Date*



*Regional Training Manager: Gregory Morsch*

*SIAR - 5521*

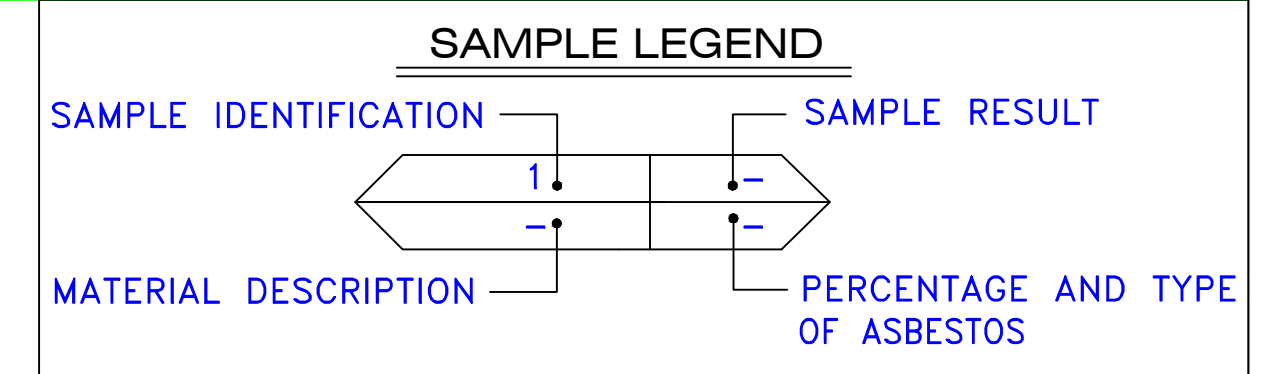
*Certificate Number*

*September 15, 2016*

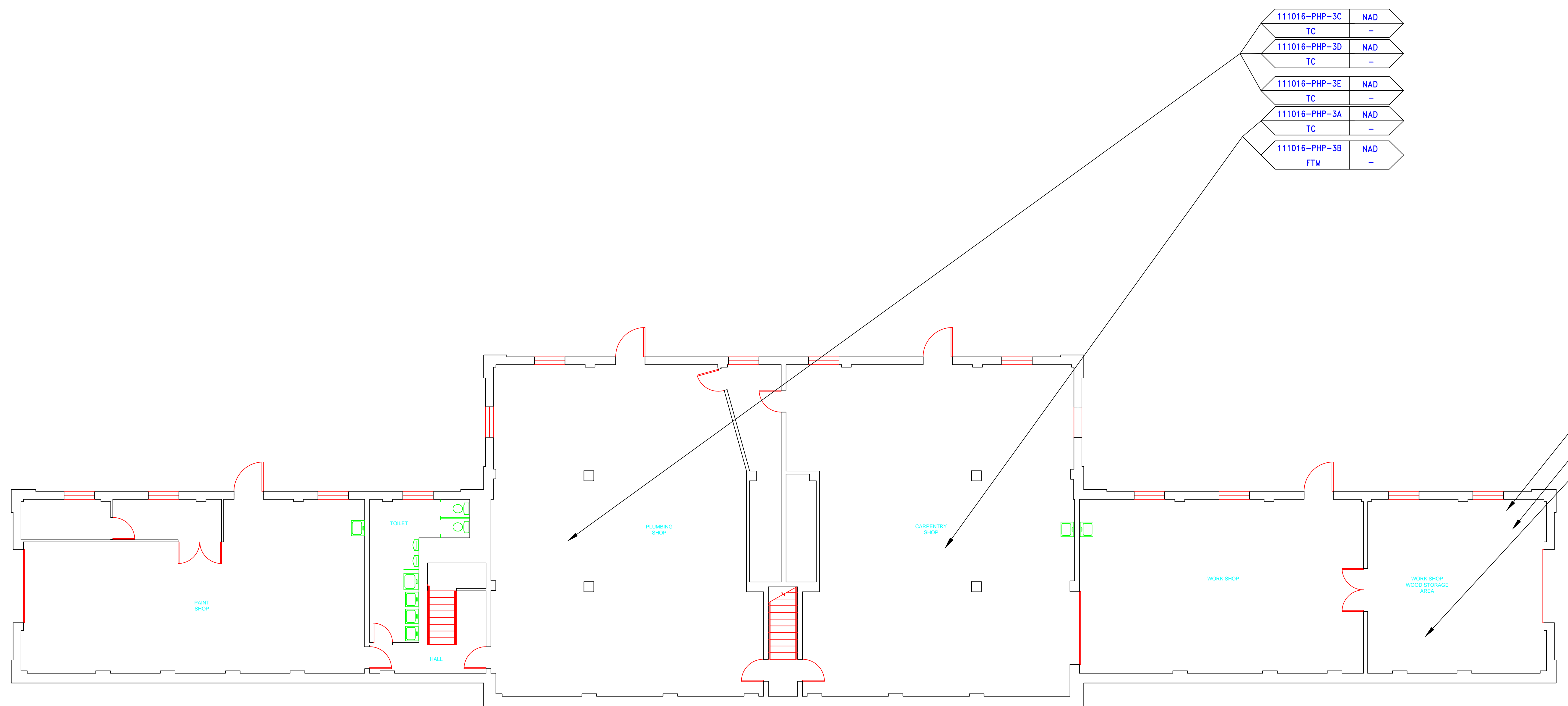
*Examination Date*

**APPENDIX B**  
**DRAWINGS**





MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE



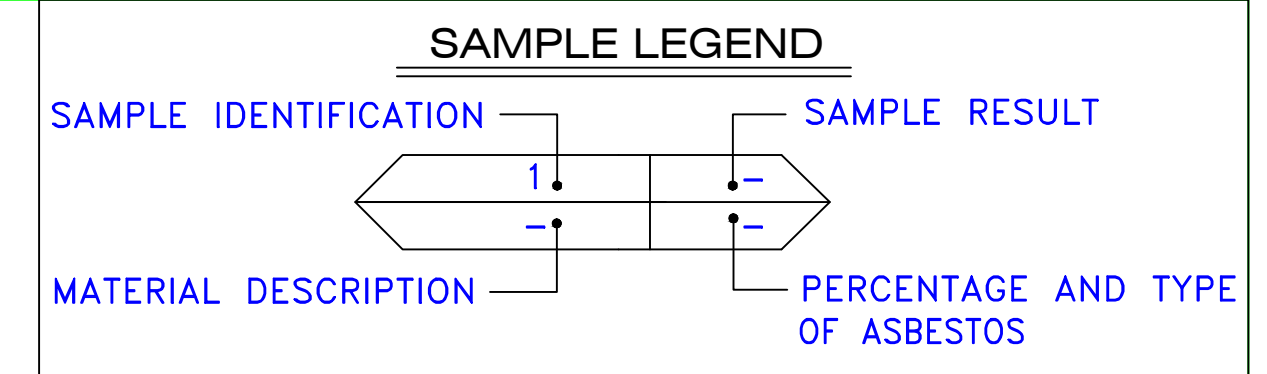
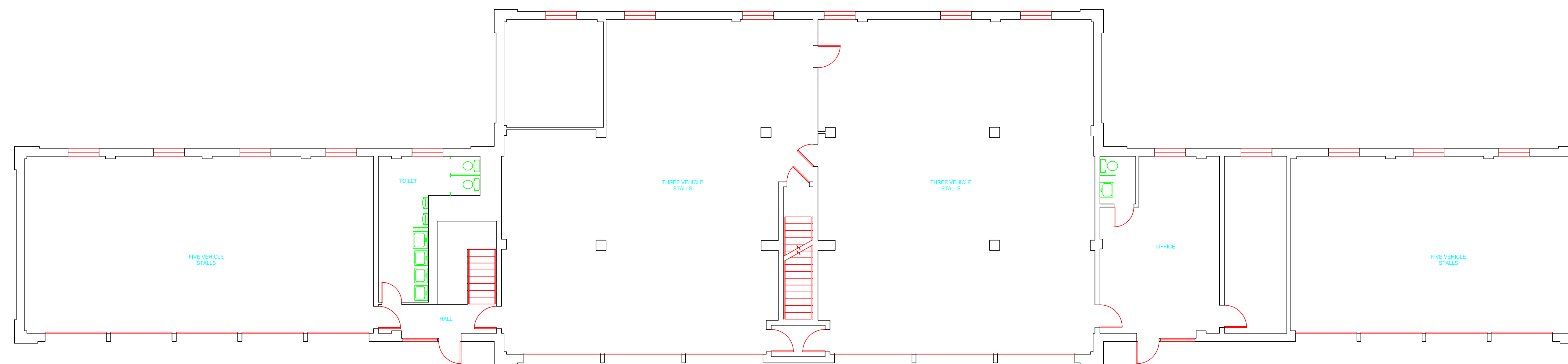
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FTM	-

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MM	-
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MM	-
111016-PHP-2A	NAD
MM	-
111016-PHP-2B	NAD
MM	-
111016-PHP-2C	NAD
MM	-

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION GROUND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 Rocky Hill, CT 06866 Tel: 860-405-2000 Fax: 860-405-2001	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION MAINTENANCE SHOPS BUILDING B STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW
CAD no.		project no. 2257316087	approved by EF
			drawing no. ASB-GA



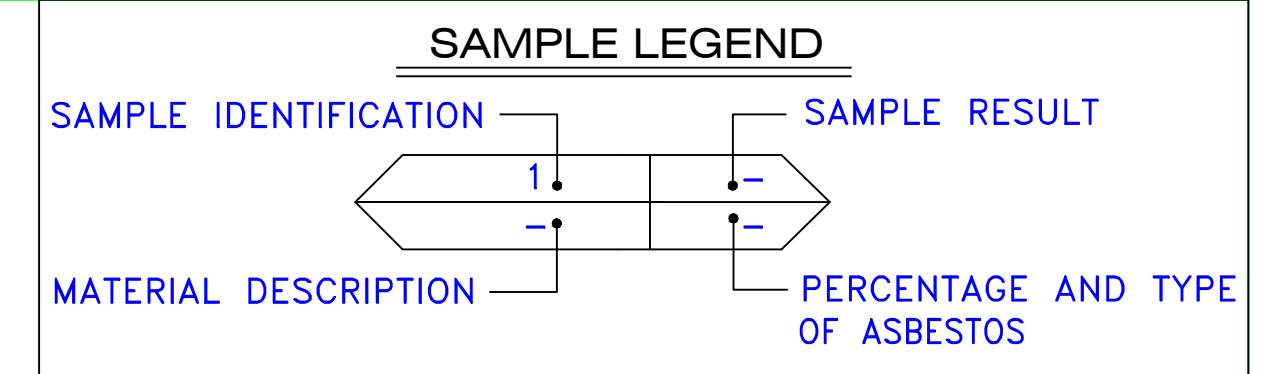
- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CTFG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
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- WG = WINDOW GLAZING
- WP = WATERPROOFING
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SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

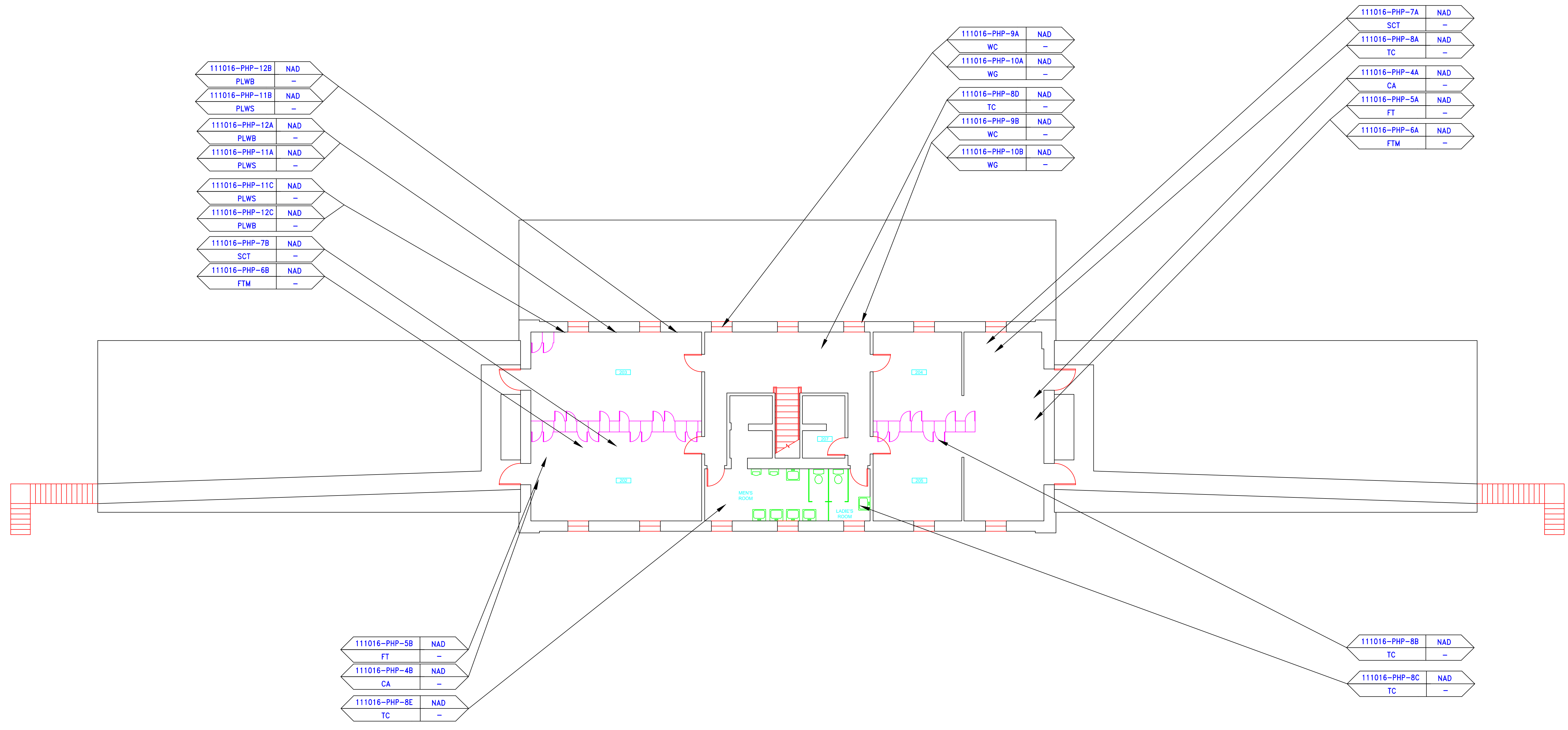
**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>SAMPLE LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		date 3/17/17	
mark	date	description	scale 1/8"=1'
			drawn by AMW
		approved by EF	
		drawing no. ASB-1A	
CAD no.	project no.	2257316087	

**ATC**  
 ENVIRONMENTAL - GEOTECHNICAL  
 ENGINEERING - MATERIALS TESTING  
 200 Roberts Street - Suite 301  
 East Windsor, CT 06026  
 Telephone: 860-255-1000  
 Fax: 860-255-1001  
 Project: BUILDING INSPECTION  
 MAINTENANCE SHOPS  
 BUILDING B  
 STATE VETERANS HOME  
 ROCKY HILL, CONNECTICUT



AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSTUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
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PLCB	=	PLASTER CEILING BASE COAT
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PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
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WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



SYMBOL	MATERIAL DESCRIPTION
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[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
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[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
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[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

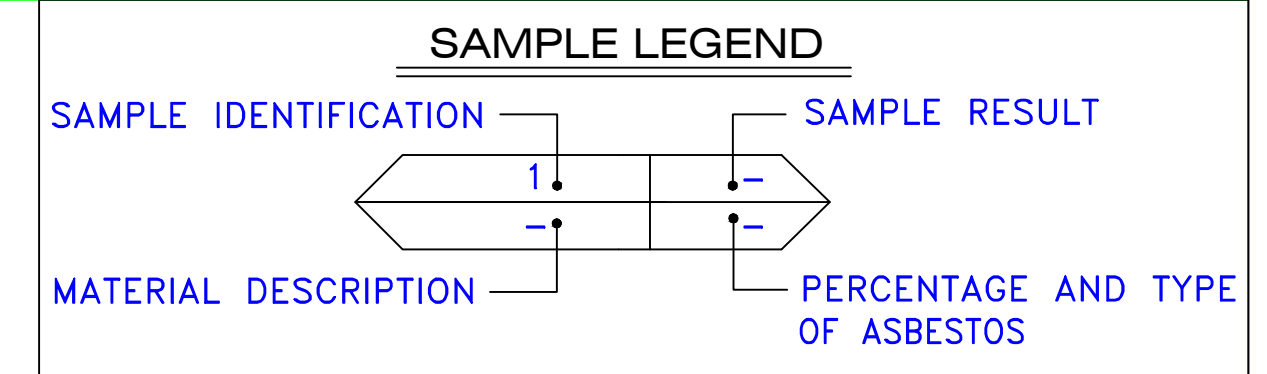
-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

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REVISIONS		date 3/17/17	
mark	date	description	scale 1/8"=1'
project		drawn by AMW	
project		approved by EF	
drawing no. ASB-2A		drawing no.	
CAD no.		project no. 2257316087	

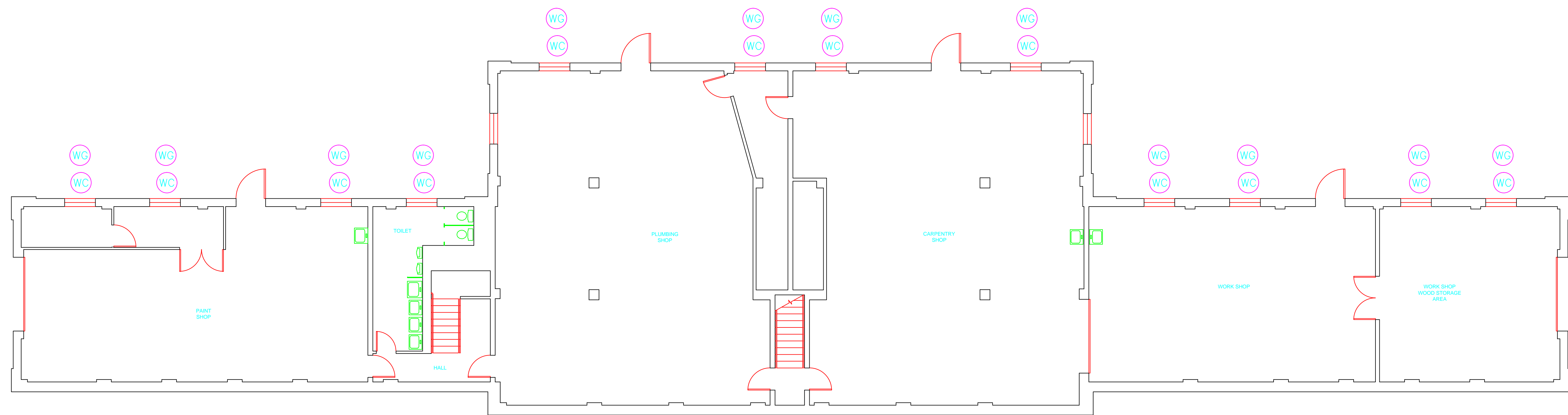
**ATC**  
 ENVIRONMENTAL - METEOROLOGICAL  
 BUILDING SCIENCES - MATERIALS TESTING

200 Roberts Street - Suite 301  
 East Windsor, CT 06026  
 Tel: 860-255-1000

project  
 BUILDING INSPECTION  
 MAINTENANCE SHOPS  
 BUILDING B  
 STATE VETERANS HOME  
 ROCKY HILL, CONNECTICUT



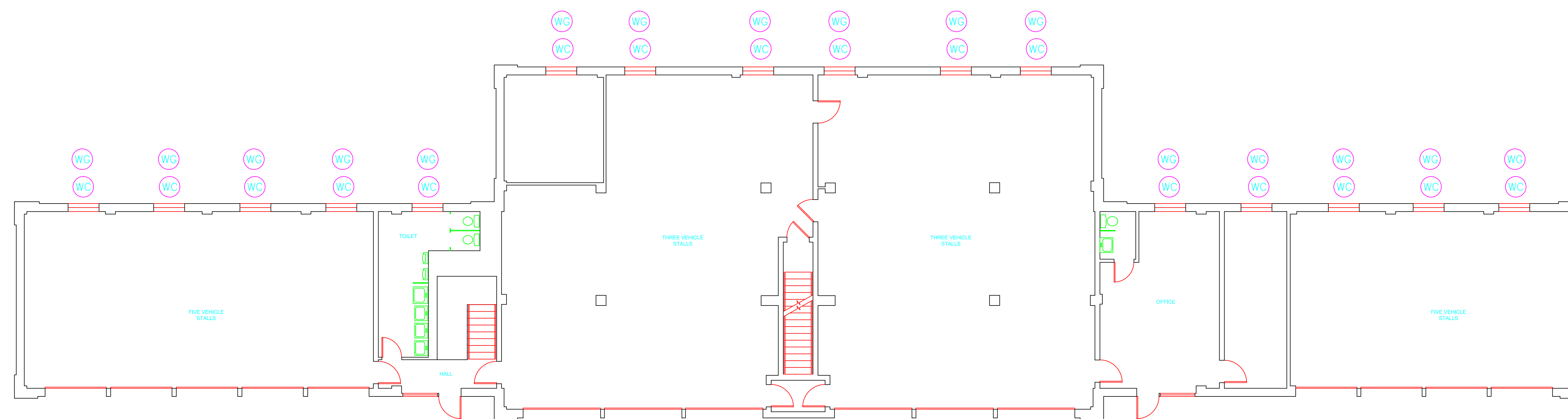
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- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
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- GD = GLUE DAUB
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- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
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- PSI = PERIMETER SLAB INSULATION
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SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>ACM LOCATION GROUND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Phone: 860-406-1000</small>	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION MAINTENANCE SHOPS BUILDING B STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/8" = 1'
CAD no.		project no. 2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-GB



**SAMPLE LEGEND**

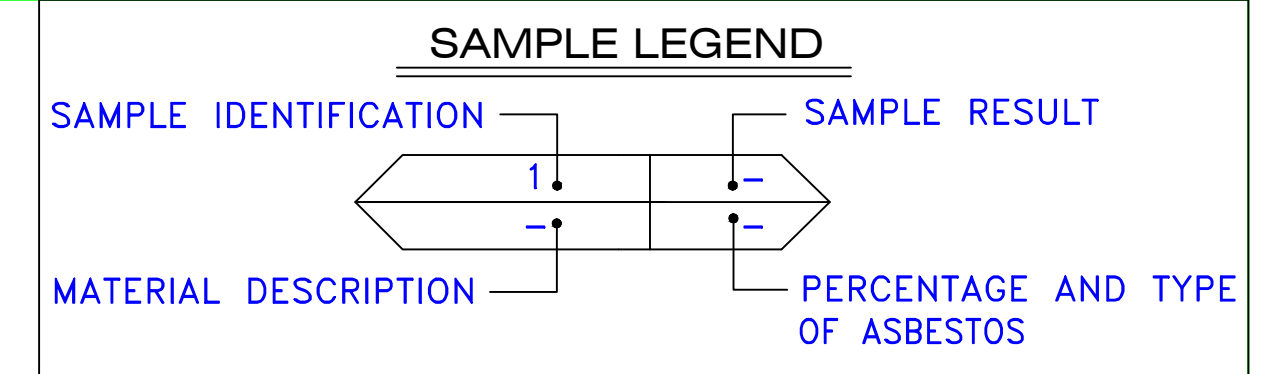
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
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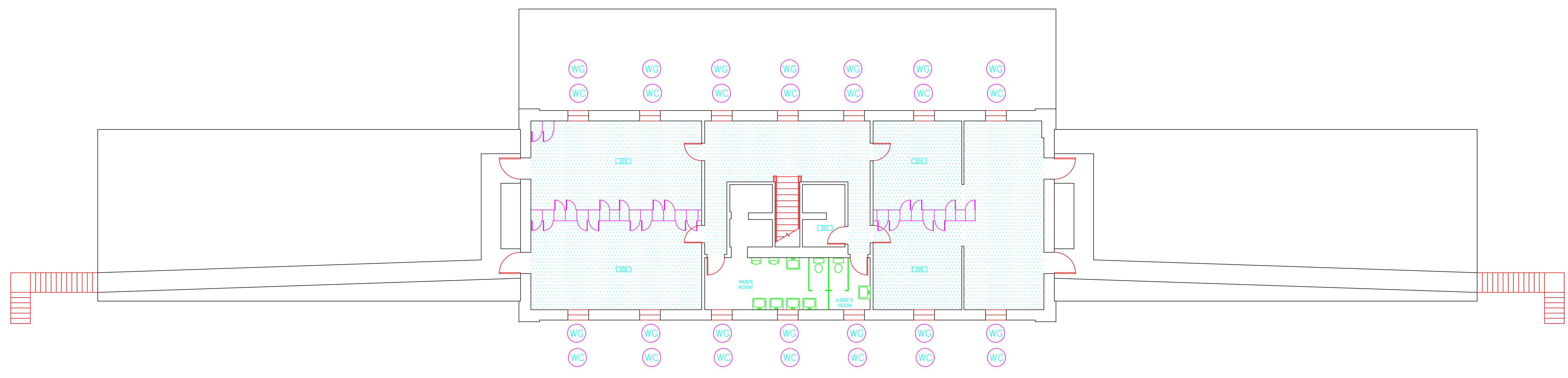
SYMBOL	MATERIAL DESCRIPTION
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drawing title <b>ACM LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 Rocky Hill, CT 06067 Phone: 860-261-1000</small>	
mark	date description		
project		BUILDING INSPECTION MAINTENANCE SHOPS BUILDING B STATE VETERANS HOME ROCKY HILL, CONNECTICUT	date: 3/17/17 scale: 1/8" = 1' drawn by: AMW approved by: EF drawing no.: ASB-1B CAD no.: 2257316087



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drawing title <b>ACM LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 East Windsor, CT 06026 Phone: 860-405-3000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION MAINTENANCE SHOPS BUILDING B STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/8" = 1'
CAD no.		project no.	ASB-2B
		2257316087	



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March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 9  
Assembly Building  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53024  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Assembly Building, Building 9, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



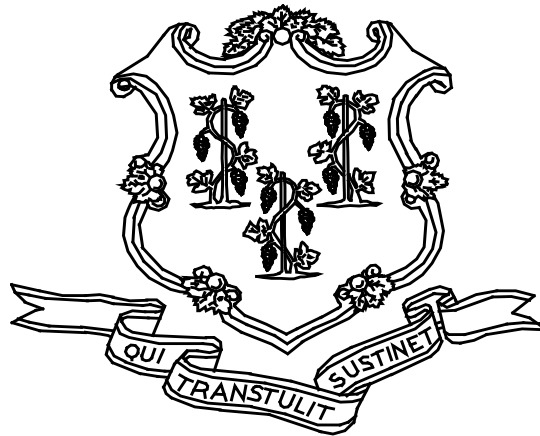
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**ASSEMBLY BUILDING  
BUILDING 9  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53024  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Assembly Building, Building 9 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on March 9, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: floor tile and associated mastic, plaster ceiling, plaster wall, carpet adhesive, ceiling tile, gypsum board and joint compound.

### 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 12"x12" Brown Floor Tile and Associated Black Mastic
- Black Border Tile and Associated Black Mastic
- Black Mastic for 12" x 12" Beige Mottled Floor Tile
- Ceiling Plaster Skim Coat (White)
- Ceiling Plaster Base Coat (Gray)

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- 12"x12" Beige Mottled Floor Tile
- 12"x12" Black Mottled Floor Tile and Associated Mastic
- Plaster Ceiling - Skim Coat (Flat)
- Plaster Ceiling - Base Coat (Flat)
- 2'x4' Suspended Ceiling Tile, Pinhole Fissured (Type 1)
- 2'x4' Old Pinhole Fissure Suspended Ceiling Tile (Type 2)
- Carpet Adhesive
- Gypsum Board

- Joint Compound

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope. ATC was not able to gain access into the projection booth.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 9 – ASSEMBLY BUILDING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
030917-B09-1A	Catholic Church	Plaster Wall - Skim Coat	ND	
030917-B09-1B	Conference Room	Plaster Wall - Skim Coat	ND	
030917-B09-1C	Emergency. Management. Office	Plaster Wall - Skim Coat	ND	
030917-B09-1D	Ground Lobby	Plaster Wall - Skim Coat	ND	
030917-B09-1E	Catholic Church	Plaster Wall - Skim Coat	ND	
030917-B09-2A	Catholic Church	Plaster Wall - Base Coat	ND	
030917-B09-2B	Conference Room	Plaster Wall - Base Coat	ND	
030917-B09-2C	Emergency. Management. Office	Plaster Wall - Base Coat	ND	
030917-B09-2D	Ground Lobby	Plaster Wall - Base Coat	ND	
030917-B09-2E	Catholic Church	Plaster Wall - Base Coat	ND	
<b>030917-B09-3A</b>	<b>Ground Lobby</b>	<b>Plaster Ceiling - Skim Coat</b>	<b>4</b>	<b>Chrysotile</b>
<b>030917-B09-3B</b>	<b>Ground Entry</b>	<b>Plaster Ceiling - Skim Coat</b>	<b>3</b>	<b>Chrysotile</b>
<b>030917-B09-3C</b>	<b>Auditorium</b>	<b>Plaster Ceiling - Skim Coat</b>	<b>3</b>	<b>Chrysotile</b>
<b>030917-B09-3D</b>	<b>Auditorium</b>	<b>Plaster Ceiling - Skim Coat</b>	<b>3</b>	<b>Chrysotile</b>
<b>030917-B09-3E</b>	<b>Ground Lobby</b>	<b>Plaster Ceiling - Skim Coat</b>	<b>8</b>	<b>Chrysotile</b>
<b>030917-B09-4A</b>	<b>Ground Lobby</b>	<b>Plaster Ceiling - Base Coat</b>	<b>4</b>	<b>Chrysotile</b>
030917-B09-4B	Ground Entry	Plaster Ceiling - Base Coat	ND	
030917-B09-4C	Auditorium	Plaster Ceiling - Base Coat	ND	
030917-B09-4D	Auditorium	Plaster Ceiling - Base Coat	ND	



**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 9 – ASSEMBLY BUILDING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
030917-B09-4E	Ground Lobby	Plaster Ceiling - Base Coat	ND	
030917-B09-5A	Ground Lobby	Carpet Adhesive	ND	
030917-B09-5B	Conference Room	Carpet Adhesive	ND	
030917-B09-6A	Catholic Church	2'x4' Suspended Ceiling Tile, Pinhole Fissured (Type 1)	ND	
030917-B09-6B	Emergency Management Office	2'x4' Suspended Ceiling Tile, Pinhole Fissured (Type 1)	ND	
<b>030917-B09-7A</b>	<b>Ground Lobby</b>	<b>12"x12" Brown Floor Tile</b>	<b>8</b>	<b>Chrysotile</b>
<b>030917-B09-7B</b>	<b>Chaplin's Office</b>	<b>12"x12" Brown Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
<b>030917-B09-8A</b>	<b>Ground Lobby</b>	<b>Black Mastic For 12"x12" Brown Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
<b>030917-B09-8B</b>	<b>Chaplin's Office</b>	<b>Black Mastic For 12"x12" Brown Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>030917-B09-9A</b>	<b>Ground Lobby</b>	<b>Black Boarder Tile</b>	<b>7</b>	<b>Chrysotile</b>
<b>030917-B09-9B</b>	<b>Chaplin's Office</b>	<b>Black Boarder Tile</b>	<b>3</b>	<b>Chrysotile</b>
030917-B09-10A	Catholic Church	12"x12" Black Mottled Floor Tile	ND	
030917-B09-10B	Catholic Church	12"x12" Black Mottled Floor Tile	ND	
030917-B09-11A	Catholic Church	Adhesive For 12"x12" Black Mottled Floor Tile	ND	
030917-B09-11B	Catholic Church	Adhesive For 12"x12" Black Mottled Floor Tile	ND	
030917-B09-12A	Stairwell Out Side Projection Room	2'x4' Old Pinhole Fissure Suspended Ceiling Tile (Type 2)	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 9 – ASSEMBLY BUILDING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
030917-B09-12B	Stairwell Out Side Projection Room	2'x4' Old Pinhole Fissure Suspended Ceiling Tile (Type 2)	ND	
030917-B09-13A	Stairwell Out Side Projection Room	Gypsum Board	ND	
030917-B09-13B	Stairwell Out Side Projection Room	Gypsum Board	ND	
030917-B09-14A	Stairwell Out Side Projection Room	Joint Compound	ND	
030917-B09-14B	Stairwell Out Side Projection Room	Joint Compound	ND	
030917-B09-15A	1st Floor Vestibule	12"x12" Beige Mottled Floor Tile	ND	
030917-B09-15B	1st Floor Vestibule	12"x12" Beige Mottled Floor Tile	ND	
<b>030917-B09-16A</b>	<b>1st Floor Vestibule</b>	<b>Black Mastic For 12"x12" Beige Mottled Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>030917-B09-16B</b>	<b>1st Floor Vestibule</b>	<b>Black Mastic For 12"x12" Beige Mottled Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
030917-B09-17A	Ground Floor Hall	Plaster Ceiling - Skim Coat (Flat)	ND	
030917-B09-17B	1st Floor Vestibule	Plaster Ceiling - Skim Coat (Flat)	ND	
030917-B09-17C	Auditorium Entry	Plaster Ceiling - Skim Coat (Flat)	ND	
030917-B09-18A	Ground Floor Hall	Plaster Ceiling - Base Coat	ND	
030917-B09-18B	1st Floor Vestibule	Plaster Ceiling - Base Coat	ND	
030917-B09-18C	Auditorium Entry	Plaster Ceiling - Base Coat	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

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<b>EMSL Order:</b> 031706478
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
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**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/10/2017 11:07 AM  
**Analysis Date:** 03/13/2017  
**Collected Date:** 03/09/2017

**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT/ BLDG 9

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030917-B09-1A 031706478-0001	CATHOLIC CHURCH - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		47% Ca Carbonate 53% Non-fibrous (Other)	None Detected
030917-B09-1B 031706478-0002	CONF. ROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 46% Non-fibrous (Other)	None Detected
030917-B09-1C 031706478-0003	EMERGENCY. MON OFF - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		47% Ca Carbonate 53% Non-fibrous (Other)	None Detected
030917-B09-1D 031706478-0004	GROUND LOBBY - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		47% Ca Carbonate 53% Non-fibrous (Other)	None Detected
030917-B09-1E 031706478-0005	CATHOLIC CHURCH - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
030917-B09-2A 031706478-0006	CATHOLIC CHURCH - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		30% Quartz 44% Gypsum 26% Non-fibrous (Other)	None Detected
030917-B09-2B 031706478-0007	CONF ROOM - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		24% Quartz 54% Gypsum 22% Non-fibrous (Other)	None Detected
030917-B09-2C 031706478-0008	EMERGENCY. MON OFF - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		30% Quartz 42% Gypsum 28% Non-fibrous (Other)	None Detected
030917-B09-2D 031706478-0009	GROUND LOBBY - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		24% Quartz 46% Gypsum 30% Non-fibrous (Other)	None Detected
030917-B09-2E 031706478-0010	CATHOLIC CHURCH - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/13/2017 12:47:42



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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030917-B09-3A 031706478-0011	GROUND LOBBY - PLASTER CEILING - SKIM COAT	Tan Non-Fibrous Homogeneous		22% Ca Carbonate 74% Non-fibrous (Other)	4% Chrysotile
030917-B09-3B 031706478-0012	GROUND ENTRY - PLASTER CEILING - SKIM COAT	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 24% Gypsum 10% Perlite 48% Non-fibrous (Other)	3% Chrysotile
030917-B09-3C 031706478-0013	AUDITORIUM - PLASTER CEILING - SKIM COAT	Tan Non-Fibrous Homogeneous		20% Gypsum 20% Perlite 57% Non-fibrous (Other)	3% Chrysotile
030917-B09-3D 031706478-0014	AUDITORIUM - PLASTER CEILING - SKIM COAT	Tan Non-Fibrous Homogeneous		40% Gypsum 13% Perlite 44% Non-fibrous (Other)	3% Chrysotile
030917-B09-3E 031706478-0015	GROUND LOBBY - PLASTER CEILING - SKIM COAT	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 30% Gypsum 42% Non-fibrous (Other)	8% Chrysotile
030917-B09-4A 031706478-0016	GROUND LOBBY - PLASTER CEILING - BASE COAT	Tan Non-Fibrous Homogeneous		25% Quartz 10% Ca Carbonate 61% Non-fibrous (Other)	4% Chrysotile
Appears to be skim coat and inhomogenous from base coat.					
030917-B09-4B 031706478-0017	GROUND ENTRY - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		33% Quartz 35% Gypsum 32% Non-fibrous (Other)	None Detected
030917-B09-4C 031706478-0018	AUDITORIUM - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		30% Quartz 44% Gypsum 26% Non-fibrous (Other)	None Detected
030917-B09-4D 031706478-0019	AUDITORIUM - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		24% Quartz 38% Gypsum 38% Non-fibrous (Other)	None Detected
030917-B09-4E 031706478-0020	GROUND LOBBY - PLASTER CEILING - BASE COAT	Gray Non-Fibrous Homogeneous		45% Quartz 20% Ca Carbonate 35% Non-fibrous (Other)	None Detected

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<b>Project:</b> 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT/ BLDG 9	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030917-B09-5A 031706478-0021	GROUND LOBBY - CARPET ADHESIVE	Gray Non-Fibrous Homogeneous		23% Ca Carbonate 77% Non-fibrous (Other)	None Detected
030917-B09-5B 031706478-0022	CONFERENCE ROOM - CARPET ADHESIVE	Brown Non-Fibrous Homogeneous	5% Cellulose	10% Ca Carbonate 85% Non-fibrous (Other)	None Detected
030917-B09-6A 031706478-0023	CATHOLIC CHURCH - 2'X4' SUSPENDED CEILING TILE, PINHOLE FISSUED	Brown Fibrous Homogeneous	44% Cellulose 10% MinWool	20% Perlite 26% Non-fibrous (Other)	None Detected
030917-B09-6B 031706478-0024	EMERG. MAN. OFF - 2'X4' SUSPENDED CEILING TILE, PINHOLE FISSUED	Gray Fibrous Homogeneous	45% Cellulose 25% Glass	30% Non-fibrous (Other)	None Detected
030917-B09-7A 031706478-0025	GROUND LOBBY - 12X12" BROWN FLOOR TILE	Brown Non-Fibrous Homogeneous		13% Quartz 79% Non-fibrous (Other)	8% Chrysotile
030917-B09-7B 031706478-0026	CHAPLINS OFFICE - 12X12" BROWN FLOOR TILE	Brown Non-Fibrous Homogeneous		20% Ca Carbonate 75% Non-fibrous (Other)	5% Chrysotile
030917-B09-8A 031706478-0027	GROUND LOBBY - BLACK MASTIC FOR 12"X12" BROWN FLOOR TILE	Black Non-Fibrous Homogeneous	3% Cellulose	93% Non-fibrous (Other)	4% Chrysotile
030917-B09-8B 031706478-0028	CHAPLINS OFFICE - BLACK MASTIC FOR 12"X12" BROWN FLOOR TILE	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
030917-B09-9A 031706478-0029	GROUND LOBBY - BLACK BOARDEN TILE	Black Non-Fibrous Homogeneous		14% Quartz 79% Non-fibrous (Other)	7% Chrysotile
030917-B09-9B 031706478-0030	CHAPLINS OFFICE - BLACK BOARDEN TILE	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030917-B09-10A 031706478-0031	CATHOLIC CHURCH - 12"X12" BLACK MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous		14% Quartz 86% Non-fibrous (Other)	None Detected
030917-B09-10B 031706478-0032	CATHOLIC CHURCH - 12"X12" BLACK MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
030917-B09-11A 031706478-0033	CATHOLIC CHURCH - ADHESIVE FOR 12"X12" BLACK MOTTLED FLOOR TILE	Yellow Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
030917-B09-11B 031706478-0034	CATHOLIC CHURCH - ADHESIVE FOR 12"X12" BLACK MOTTLED FLOOR TILE	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
030917-B09-12A 031706478-0035	STAIRWELL O/S P.R - 2'X4' OLD PINHOLE FISSURE SUSPENDED CEILING TILE (TYPE 2)	Brown Fibrous Homogeneous	28% Cellulose 30% MinWool	27% Perlite 15% Non-fibrous (Other)	None Detected
030917-B09-12B 031706478-0036	STAIRWELL O/S P.R - 2'X4' OLD PINHOLE FISSURE SUSPENDED CEILING TILE (TYPE 2)	Gray Fibrous Homogeneous	45% Cellulose 20% Glass	35% Non-fibrous (Other)	None Detected
030917-B09-13A 031706478-0037	STAIRWELL O/S P.R - GYPSUM BOARD	Gray Non-Fibrous Homogeneous	4% Cellulose	70% Gypsum 26% Non-fibrous (Other)	None Detected
030917-B09-13B 031706478-0038	STAIRWELL O/S P.R - GYPSUM BOARD	Brown/Gray Non-Fibrous Homogeneous	5% Cellulose	60% Gypsum 35% Non-fibrous (Other)	None Detected
030917-B09-14A 031706478-0039	STAIRWELL O/S P.R - JOINT COMPOUND	White Non-Fibrous Homogeneous		57% Ca Carbonate 43% Non-fibrous (Other)	None Detected
030917-B09-14B 031706478-0040	STAIRWELL O/S P.R - JOINT COMPOUND	White Non-Fibrous Homogeneous	8% Cellulose	60% Ca Carbonate 32% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030917-B09-15A 031706478-0041	1ST FLOOR VESTIBULE - 12"X12" BEIGE MOTTLED FLOOR TILE	Beige Non-Fibrous Homogeneous		12% Quartz 88% Non-fibrous (Other)	None Detected
030917-B09-15B 031706478-0042	1ST FLOOR VESTIBULE - 12"X12" BEIGE MOTTLED FLOOR TILE	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
030917-B09-16A 031706478-0043	1ST FLOOR VESTIBULE - BLACK MASTIC FOR 12"X12" BEIGE MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous	5% Cellulose	92% Non-fibrous (Other)	3% Chrysotile
030917-B09-16B 031706478-0044	1ST FLOOR VESTIBULE - BLACK MASTIC FOR 12"X12" BEIGE MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous	5% Cellulose	91% Non-fibrous (Other)	4% Chrysotile
030917-B09-17A 031706478-0045	GROUND FLOOR HALL - PLASTER CEILING - SKIM COAT (FLAT)	White Non-Fibrous Homogeneous		58% Ca Carbonate 42% Non-fibrous (Other)	None Detected
030917-B09-17B 031706478-0046	1ST FL VESTIBULE - PLASTER CEILING - SKIM COAT (FLAT)	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
030917-B09-17C 031706478-0047	AUDITORIUM ENTRY - PLASTER CEILING - SKIM COAT (FLAT)	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
030917-B09-18A 031706478-0048	GROUND FLOOR HALL - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous	1% Cellulose	22% Quartz 42% Gypsum 35% Non-fibrous (Other)	None Detected
030917-B09-18B 031706478-0049	1ST FL VESTIBULE - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous	2% Cellulose	24% Quartz 35% Gypsum 39% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030917-B09-18C	AUDITORIUM ENTRY -	Brown		50% Quartz	None Detected
031706478-0050	PLASTER CEILING -	Non-Fibrous		50% Non-fibrous (Other)	
	BASE COAT	Homogeneous			

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The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	03/10/2017	Sample Receipt Time:	11:07 AM
Analysis Completed Date:	03/13/2017	Analysis Completed Time:	12:58 AM

### **Analyst(s):**

Deen Liang PLM (32)

Ghaly Hemaya PLM (18)

### **Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/13/2017 12:47:42



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Werst Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 3-9-17 Project Manager: F. Fennell  
 Signature: AM WERST Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 50  
 Building: Bldg a Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
catholic church CONF. Room	Plaster wall - skim coat	S				2	030917-309-1A
Emerg. Man. OFF	"					3	1B
ground lobby	"					4	1C
catholic church	"					5	1D
							1E
catholic church CONF. Room	Plaster wall - Base coat					2	2A
Emerg. Man. OFF	"					3	2B
ground lobby	"					4	2C
catholic church	"					5	2D
							2E

Comments: PCM

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely-reachable-not-reachable) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Barriers (perm airtight-enclosed-encapsulated)  
 Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: AM WERST 3-9-17 Received By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

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 02/3/17  
 ZAM  
 FF 8100 2431 7747



# BULK SAMPLE LOG

Page 2 of 4

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

14

031706478

Cardno ATC Inspector: Alisa Wersf Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 3-9-17 Project Manager: F. Fenneil

Signature: Alisa Wersf Requested Completion Date: \_\_\_\_\_

Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 50

Building: EMBAR Bldg Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
ground lobby	Plaster ceiling - skim coat	S				2	030917-809-3A
ground entry	"					3	3AB
Auditorium	"					4	3C
Auditorium	"					5	3D
ground lobby	"						3E
ground lobby	Plaster ceiling - Base coat					2	4A
ground entry	"					3	4B
Auditorium	"					4	4C
Auditorium	"					5	4D
ground lobby	"						4E
ground lobby	carpet adhesive					2	5A
conference room						2	5B
catholic church	2'x4' suspended ceiling tile, pinhole fissured (Type 1)					2	6A
Emerg Man. off						2	6B

Comments: PCM

Notes  
Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)  
Disturbance Factors: Proximity (<1ft-1.6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (sym-music rm-auditorium-mechanical rm-elevator-other) Barriers (perm airtight-enclosed-encapsulated)  
Ventilation (yes-no, if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alisa Wersf 3-9-17 Received By/Date: \_\_\_\_\_  
Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

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# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031706478

Cardno ATC Inspector: Alisa werst Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 3-9-17 Project Manager: F. Fennel

Signature: Alisa werst Requested Completion Date: \_\_\_\_\_

Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 5 DY No. Samples Collected 50

Building: Bldg Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
ground lobby	12" X 12" brown Floor tile	MISC				2	030917-B09-7A
Chaplins office	Black mastic "					2	7B
ground lobby	Black mastic "					2	8A
Chaplins office	Black boarder tile					2	8B
ground lobby	Black boarder tile					2	9A
Chaplins office	12" X 12" Black Matted Floor tile					2	9B
catholic church	adhesive for "					2	10A
"	"					2	10B
catholic church	2' X 4' old pinhole fissure					2	11A
"	suspended ceiling tile (Type 2)					2	11B
"	gypsum board					2	12A
"	Joint compound					2	12B
"	"					2	13A
"	"					2	13B
"	"					2	14A
"	"					2	41B

Comments: PCM

Notes  
Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
Disturbance Factors: Proximity (<1ft-1.6ft->6ft) Accessibility (within reach-barely-reachable-not-reachable)  
Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator/shaft - duct) Air movement (high-moderate-low)

Relinquished By/Date: Alisa werst 3-9-17  
Received By/Date: \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_  
Received By/Date: \_\_\_\_\_

MSL MANHATTAN LAB RECEIVED  
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2A

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# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031706478

Cardno ATC Inspector: <u>Alisa Werst</u>		Client Name: <u>CTDCS</u>				
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>				
Survey Date: <u>3-9-17</u>		Project Manager: <u>E. Fennell</u>				
Signature: <u>Alisa Werst</u>		Requested Completion Date:				
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY				
Building: <u>Bldg 9</u>		Address: <u>Veterans Home, Rocky Hill CT</u>				
Location	Material Description	Type S TSI MISC	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
1st Floor vestibule	12" x 12" beige mottled floor tile	MISC			2	030917-BA-15A
"	black mastic for "	↓			2	167
1st Floor vestibule	Plaster ceiling - skim coat (Flat)	S			2	16A
1st Floor vestibule	"	↓			3	16B
Auditorium Entry	"	↓			3	17A
1st Floor vestibule	Plaster ceiling - basecoat				2	17B
Auditorium Entry	"				3	17C
1st Floor vestibule	"				2	18A
Auditorium Entry	"				3	18B
					3	18C

EMSL MANHATTAN LAB RECEIVED  
17 MAR 10 AM 11:07

Comments:

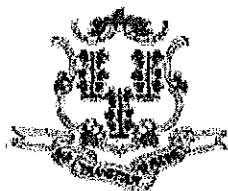
Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft - 1-6ft - >6ft) Ventilation (yes/no; if yes, type) Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not reachable) Air conduits (air plenum - air shaft - prep work shaft - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low) Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alisa Werst 3-9-17  
Received By/Date: [Signature] 3-10-17 11:07 AM

Handwritten notes: Alisa Werst  
3/10/17  
28

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

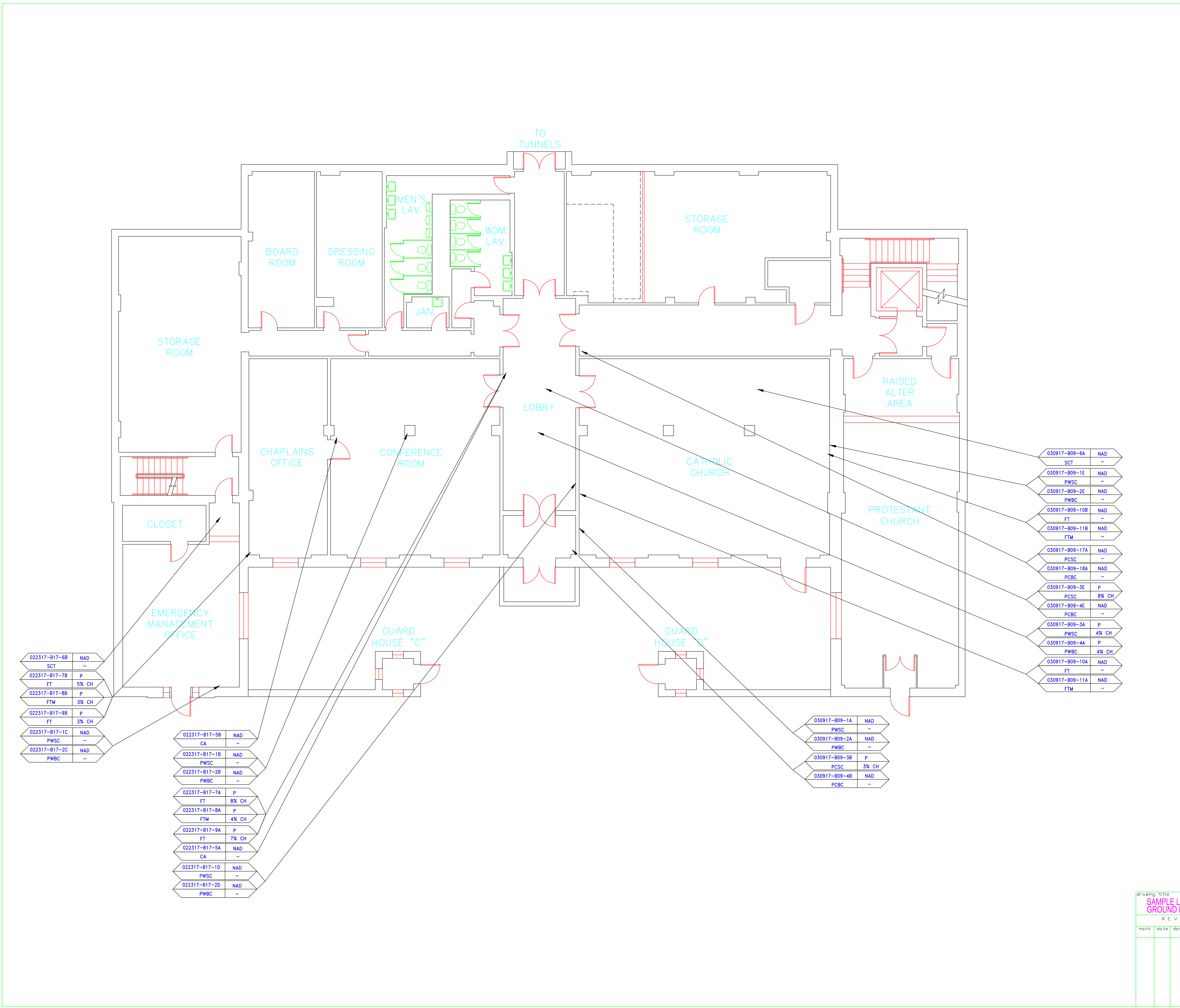
Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**





**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CTFG = CERAMIC FLOOR TILE GROUT
- CTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE FITTING INSULATION
- PII = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SU = SUSPENDED CEILING TILE SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

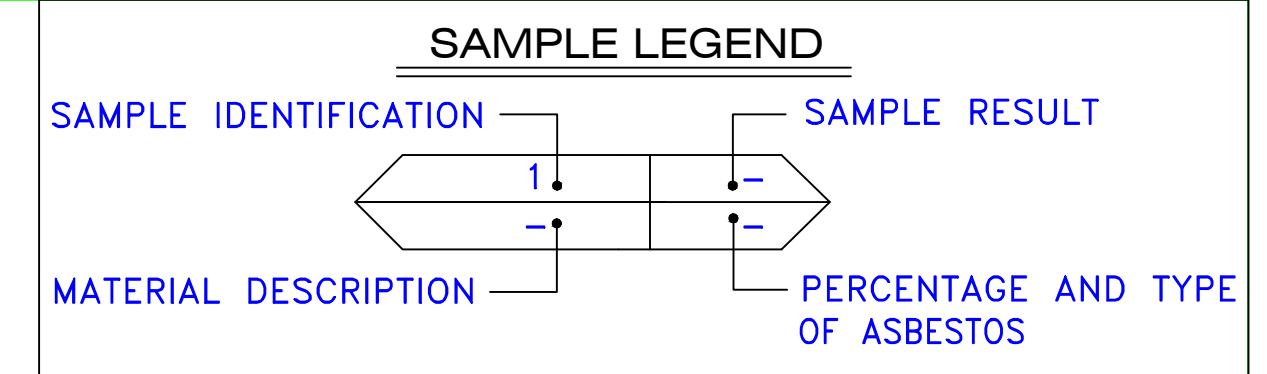
022317-B17-6B	NAD
SCT	-
022317-B17-7B	P
FT	5% CH
022317-B17-8B	P
FTM	3% CH
022317-B17-9B	P
FT	3% CH
022317-B17-1C	NAD
PWSC	-
022317-B17-2C	NAD
PWSC	-

022317-B17-5B	NAD
CA	-
022317-B17-1B	NAD
PWSC	-
022317-B17-2B	NAD
PWSC	-
022317-B17-7A	P
FT	8% CH
022317-B17-8A	P
FTM	4% CH
022317-B17-9A	P
FT	7% CH
022317-B17-5A	NAD
CA	-
022317-B17-1D	NAD
PWSC	-
022317-B17-2D	NAD
PWSC	-

030917-B09-1A	NAD
PWSC	-
030917-B09-2A	NAD
PWSC	-
030917-B09-3B	P
PCSC	3% CH
030917-B09-4B	NAD
PCBC	-

030917-B09-6A	NAD
SCT	-
030917-B09-1E	NAD
PWSC	-
030917-B09-2E	NAD
PWSC	-
030917-B09-10B	NAD
FT	-
030917-B09-11B	NAD
FTM	-
030917-B09-17A	NAD
PCSC	-
030917-B09-18A	NAD
PCBC	-
030917-B09-3E	P
PCSC	8% CH
030917-B09-4E	NAD
PCBC	-
030917-B09-3A	P
PWSC	4% CH
030917-B09-4A	P
PWSC	4% CH
030917-B09-10A	NAD
FT	-
030917-B09-11A	NAD
FTM	-

drawing title	SAMPLE LOCATION GROUND FLOOR PLAN		
mark	date	description	date
REVISIONS 			
STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES		3/17/17 SCALE: 3/16" = 1' drawn by: AMW approved by: EF drawing no.: ASB-GA project no.: 2257316087	



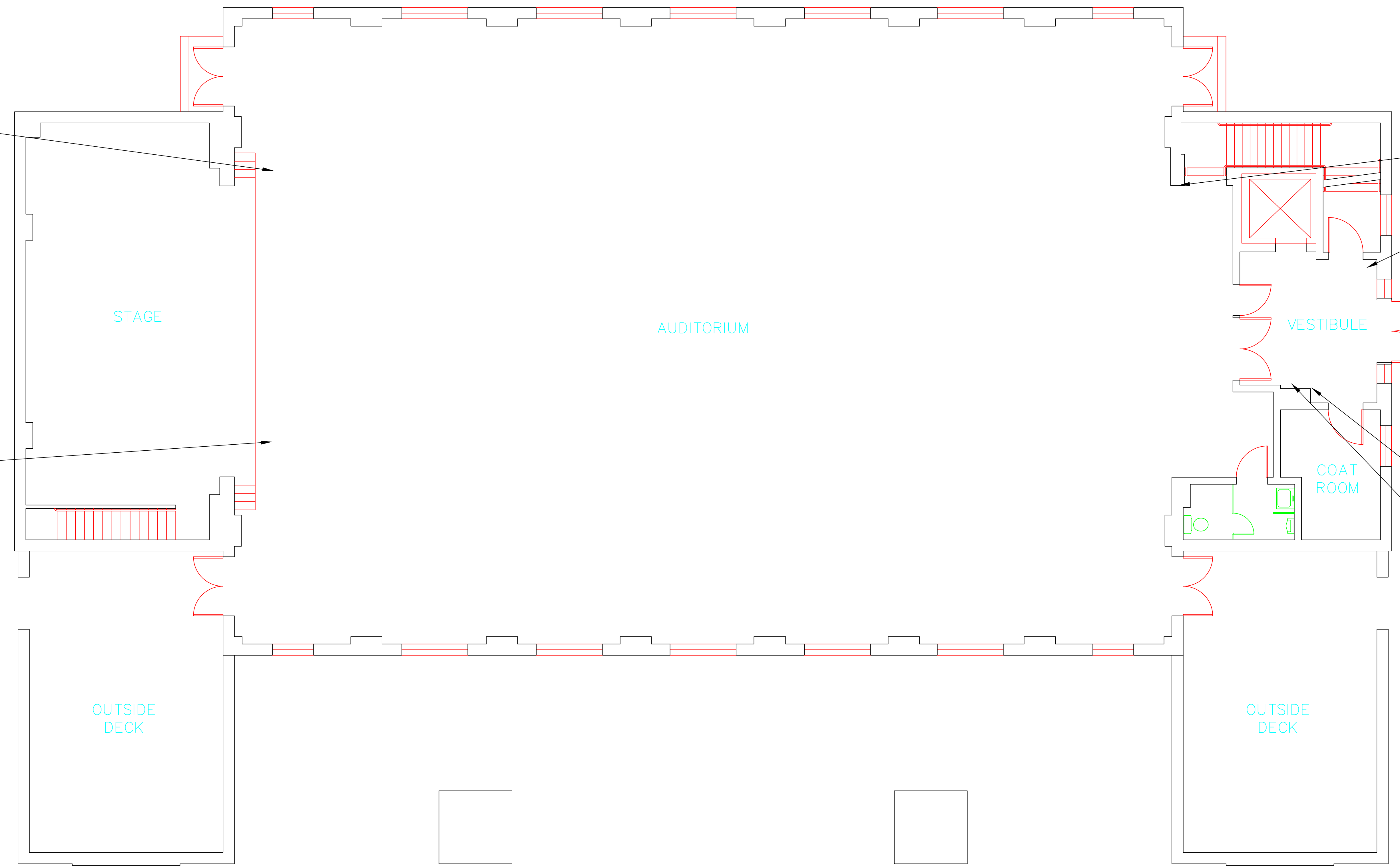
AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CTG	=	CERAMIC FLOOR TILE GROUT
CTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSON BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE FITTING INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

022317-817-3C	P
PCSC	3% CH
022317-817-4C	NAD
PCBC	-

022317-817-3D	P
PCSC	3% CH
022317-817-4D	NAD
PCBC	-


030917-809-17C	NAD
PCSC	-
030917-809-18C	NAD
PCBC	-
030917-809-17B	NAD
PCSC	-
030917-809-18B	NAD
PCBC	-

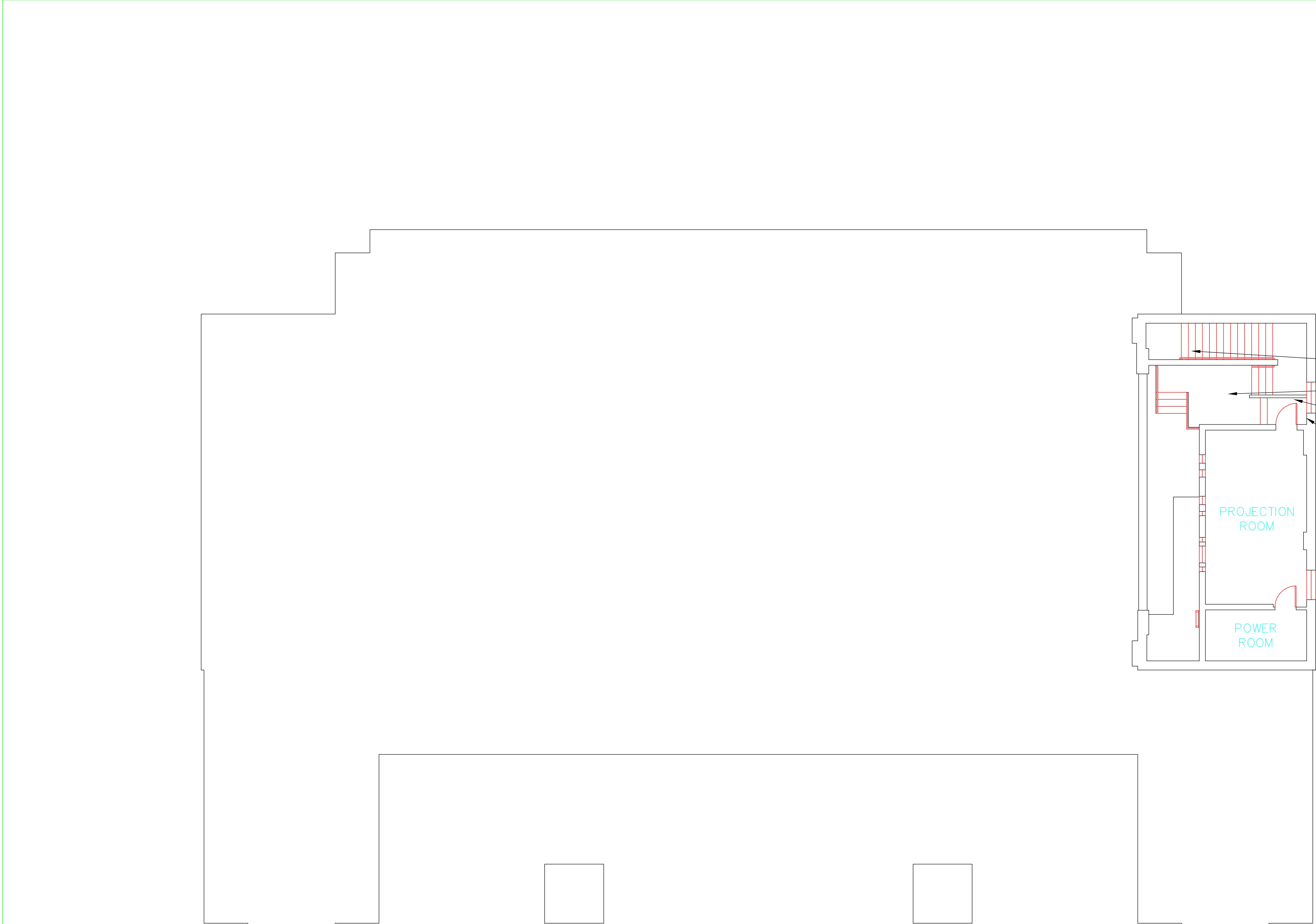
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FT	-
030917-809-16A	P
FTM	3% CH
030917-809-15B	NAD
FT	-
030917-809-16B	P
FTM	4% CH



SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Phone: 860-405-2000</small>	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION ASSEMBLY BUILDING 9 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 3/16" = 1'
CAD no.		project no.	drawn by AMW approved by EF drawing no. ASB-1A
		2257316087	



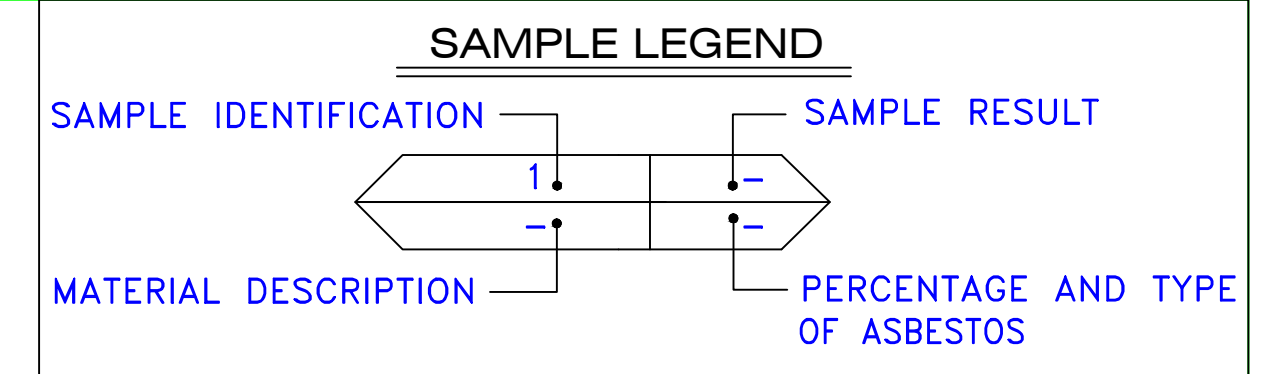
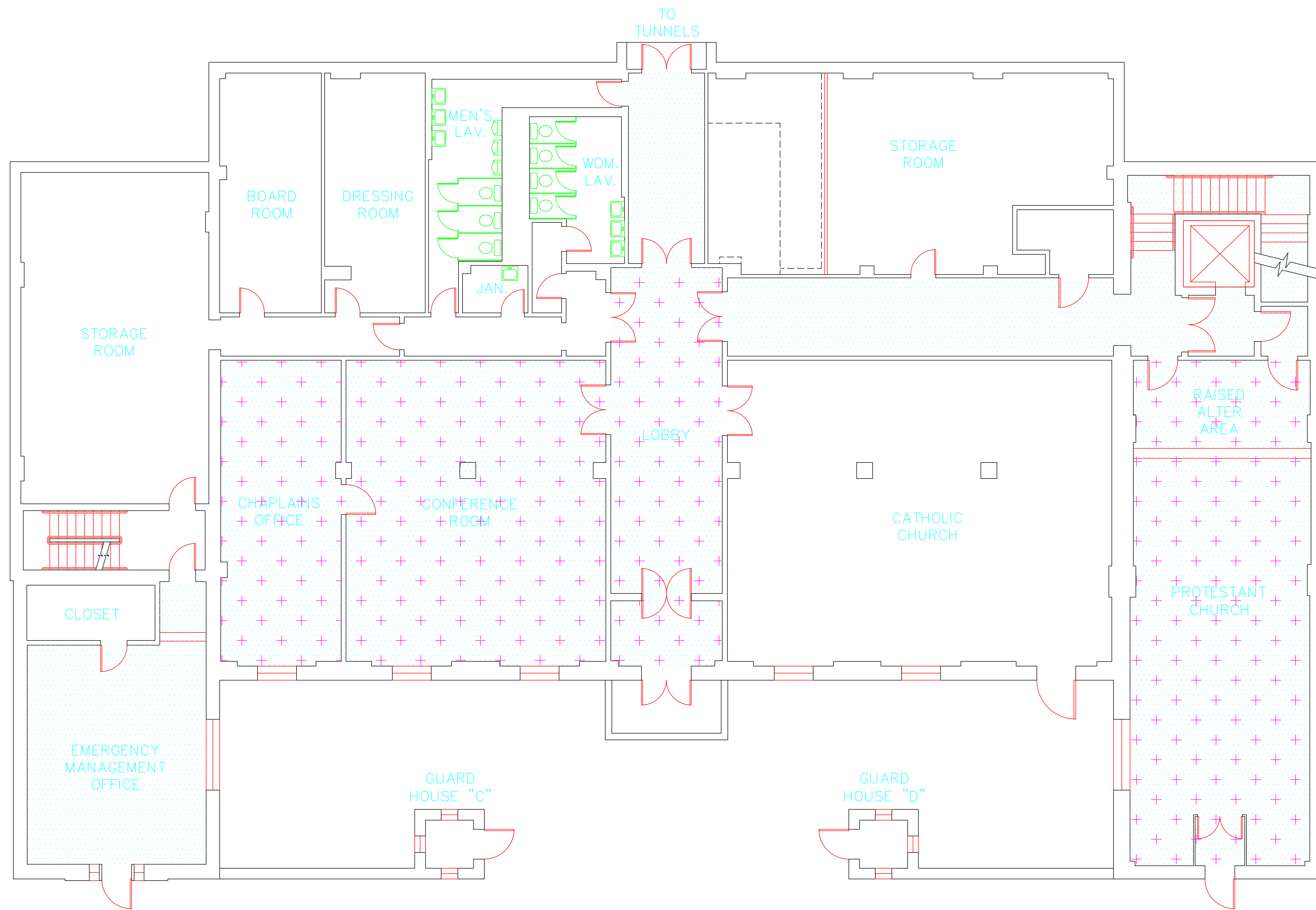
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SCT	-
030917-809-12B	NAD
SCT	-
030917-809-13A	NAD
GB	-
030917-809-14A	NAD
JC	-
030917-809-13B	NAD
GB	-
030917-809-14B	NAD
JC	-

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
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LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
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NAD	= NO ASBESTOS DETECTED
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drawing title <b>SAMPLE LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
		200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-406-1000 Fax: 860-406-1001	3/17/17 SCALE: 3/16" = 1' drawn by AMW approved by EF drawing no. ASB-2A project no. 2257316087



MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
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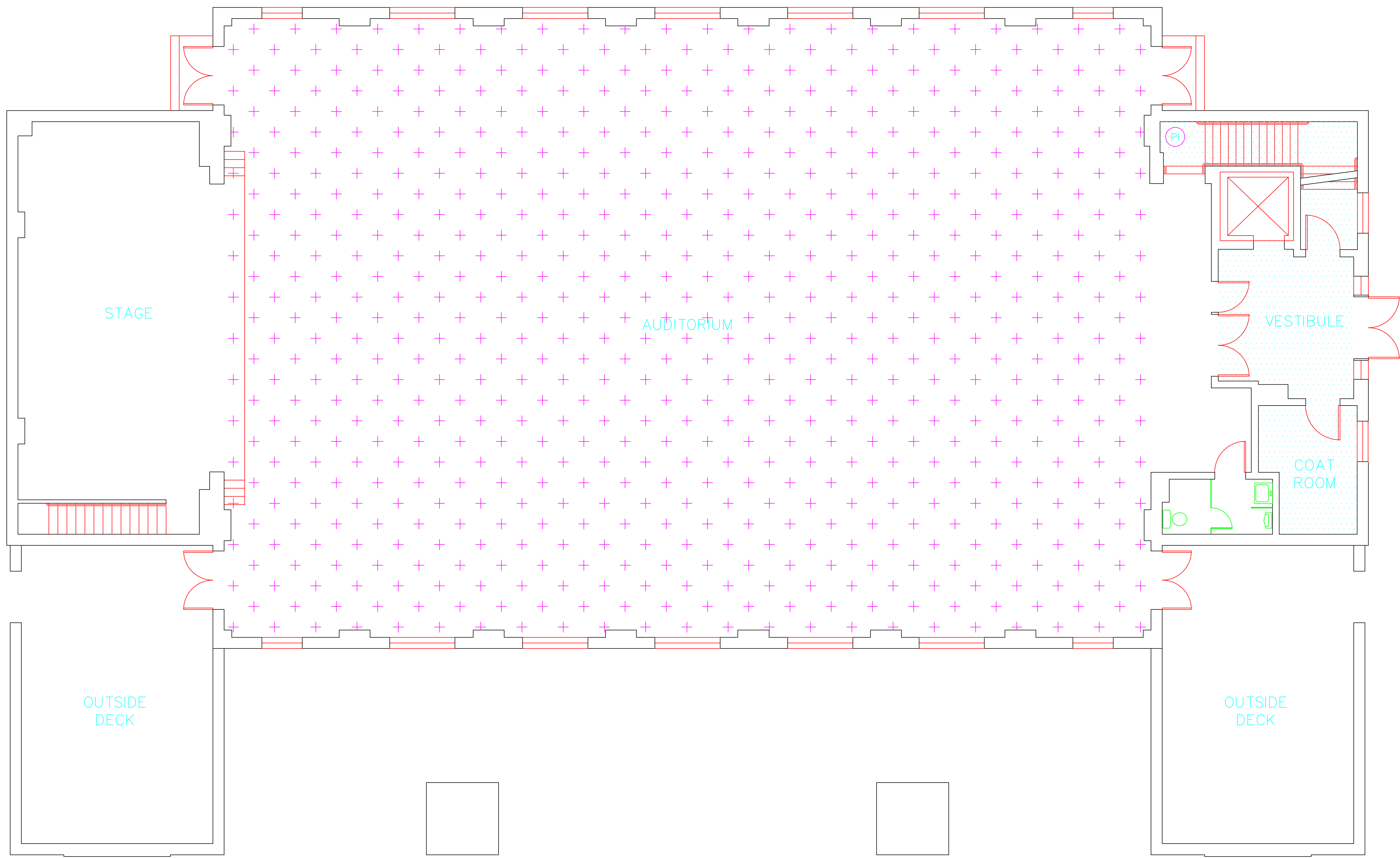
SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
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**NOTES**

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drawing title <b>ACM LOCATION GROUND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		<b>ATC</b>	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION ASSEMBLY BUILDING 9 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 3/16" = 1'
CAD no.		2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-GB



**SAMPLE LEGEND**

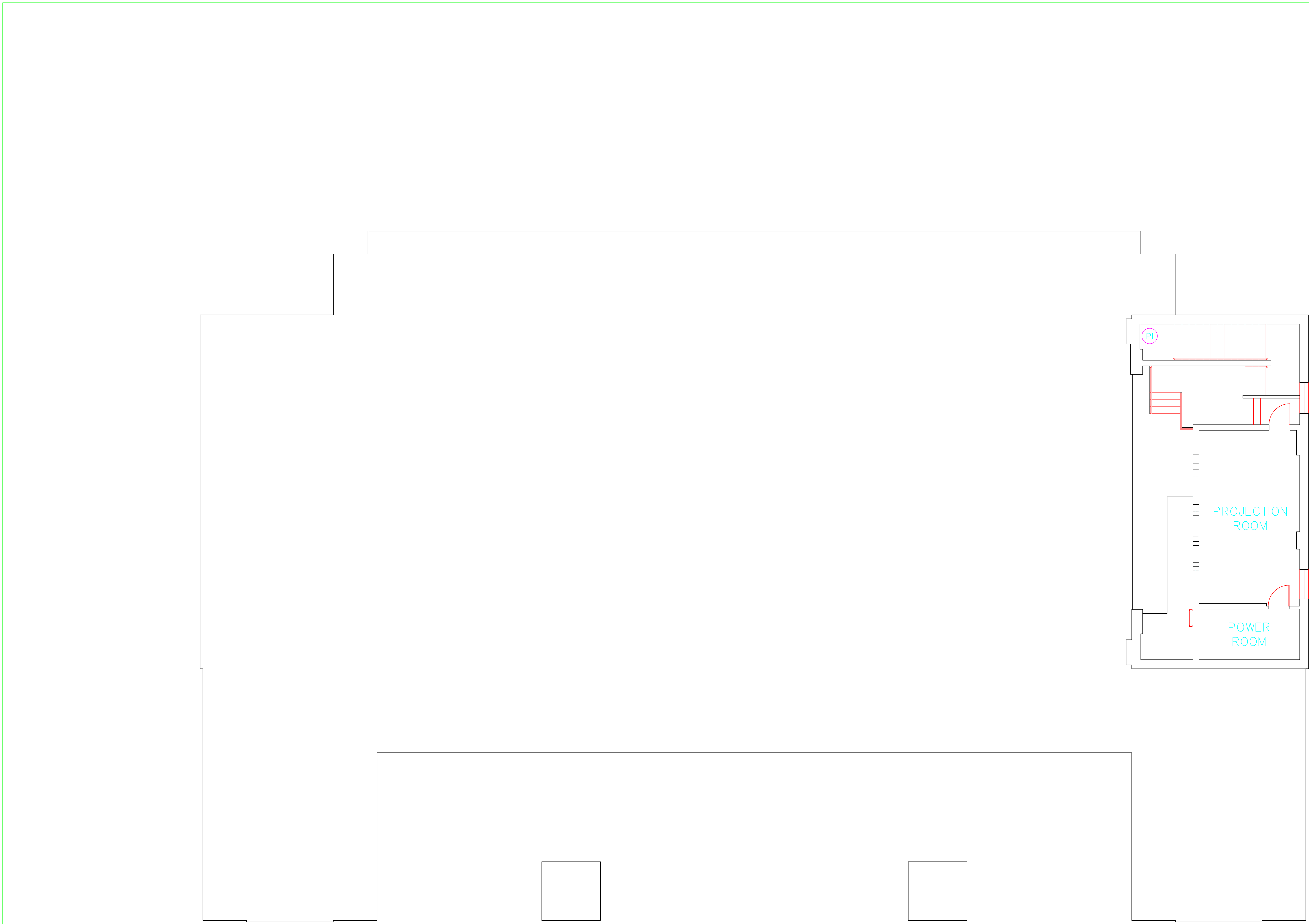
SAMPLE IDENTIFICATION	SAMPLE RESULT
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drawing title <b>ACM LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES		
REVISIONS		 <small>200 Roberts Street • Suite 301 Rocky Hill, CT 06067 Phone: 860-261-3000</small>		
mark	date			description
				3/17/17
project		BUILDING INSPECTION ASSEMBLY BUILDING 9 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW	scale 3/16" = 1'
CAD no.		project no. 2257316087	approved by EF	drawing no. ASB-1B



**SAMPLE LEGEND**

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drawing title <b>ACMLOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES		
REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Tel: 860-255-3200</small>		
mark	date			description
				3/17/17
project		BUILDING INSPECTION ASSEMBLY BUILDING 9 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW	3/16" = 1'
CAD no.		project no. 2257316087	approved by EF	drawing no. ASB-2B



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March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 10  
Gate House  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53136  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Gate House, Building 10, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



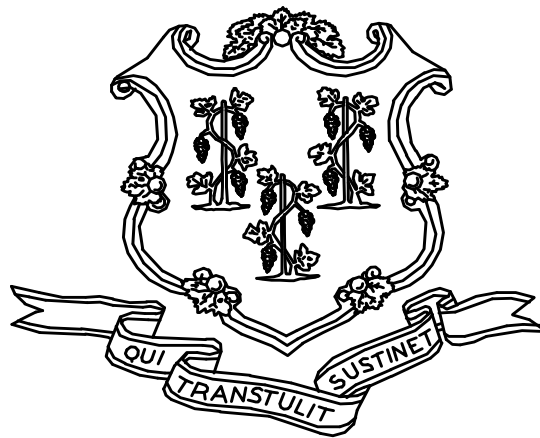
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**GATE HOUSE  
BUILDING 10  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53136  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Gate House, Building 10 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on March 2, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: plaster ceiling, plaster wall, floor tile and associated mastic, sheet flooring and associated adhesive, cove base and associated adhesive, ceiling tiles, gypsum board and joint compound.

### 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Black Mastic For 12"X12" Tan Mottled Floor Tile

The results of PLM laboratory analysis indicated that the following materials are less than 1% asbestos:

- 12"X12" Tan Mottled Floor Tile

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Ceiling - Skim Coat
- Textured Ceiling Paint
- Carpet Adhesive
- 12"X12" Gray Mottled Floor Tile
- Adhesive For 12"X12" Gray Mottled Floor Tile
- 4" Black Cove Base
- Adhesive For 4" Black Cove Base
- 2'x4' Pinhole Fissured Suspended Ceiling Tile

- Gypsum Board
- Joint Compound
- Poured Cemented Ceiling/ Floor On Wire Lath
- Carpet Adhesive
- Black Sheet Floor
- Adhesive For Black Sheet Floor (Brown)
- 6" Black Cove Base
- Adhesive For 6" Black Cove Base

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 10 – GATE HOUSE**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
030217-B10-1A	Office	Carpet Adhesive	ND	
030217-B10-1B	Lobby	Carpet Adhesive	ND	
030217-B10-2A	Office	12"x12" Gray Mottled Floor Tile	ND	
030217-B10-2B	Office	12"x12" Gray Mottled Floor Tile	ND	
030217-B10-3A	Office	Adhesive for 12"x12" Gray Mottled Floor Tile	ND	
030217-B10-3B	Office	Adhesive for 12"x12" Gray Mottled Floor Tile	ND	
030217-B10-4A	Office	4" Black Cove Base	ND	
030217-B10-4B	Office	4" Black Cove Base	ND	
030217-B10-5A	Office	Adhesive for 4" Black Cove Base	ND	
030217-B10-5B	Office	Adhesive for 4" Black Cove Base	ND	
030217-B10-6A	Office	2'x4' Pinhole Fissured Suspended Ceiling Tile	ND	
030217-B10-6B	Office	2'x4' Pinhole Fissured Suspended Ceiling Tile	ND	
030217-B10-7A	Office	Gypsum Board	ND	
030217-B10-7B	Changing Room	Gypsum Board	ND	
030217-B10-8A	Office	Joint Compound	ND	
030217-B10-8B	Changing Room	Joint Compound	ND	
030217-B10-9A	1st Floor Bathroom	12"x12" Tan Mottled Floor Tile	<1	Chrysotile
030217-B10-9B	Break Room	12"x12" Tan Mottled Floor Tile	<1	Chrysotile



**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 10 – GATE HOUSE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
030217-B10-10A	1st Floor Bathroom	Black Mastic for 12"x12" Tan Mottled Floor Tile	4	Chrysotile
030217-B10-10B	Break Room	Black Mastic for 12"x12" Tan Mottled Floor Tile	3	Chrysotile
030217-B10-11A	Basement	Poured Cemented Ceiling/Floor On Wire Lath	ND	
030217-B10-11B	Basement	Poured Cemented Ceiling/Floor On Wire Lath	ND	
030217-B10-11C	Basement	Poured Cemented Ceiling/Floor On Wire Lath	ND	
030217-B10-12A	2nd Floor Hall	Carpet Adhesive	ND	
030217-B10-12B	Changing Room	Carpet Adhesive	ND	
030217-B10-13A	2nd Floor Hall	Black Sheet Floor	ND	
030217-B10-13B	Changing Room	Black Sheet Floor	ND	
030217-B10-14A	2nd Floor Hall	Adhesive for Black Sheet Floor (Brown)	ND	
030217-B10-14B	Changing Room	Adhesive for Black Sheet Floor (Brown)	ND	
030217-B10-15A	2nd Floor Hall	6" Black Cove Base	ND	
030217-B10-15B	Changing Room	6" Black Cove Base	ND	
030217-B10-16A	2nd Floor Hall	Adhesive for 6" Black Cove Base	ND	
030217-B10-16B	Changing Room	Adhesive for 6" Black Cove Base	ND	
030217-B10-17A	Changing Room	Plaster Ceiling - Skim Coat	ND	
030217-B10-17B	Break Room	Plaster Ceiling - Skim Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 10 – GATE HOUSE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
030217-B10-17C	Closet	Plaster Ceiling - Skim Coat	ND	
030217-B10-18A	Changing Room	Plaster Ceiling - Base Coat	ND	
030217-B10-18B	Break Room	Plaster Ceiling - Base Coat	ND	
030217-B10-18C	Break Room	Plaster Ceiling - Base Coat	ND	
030217-B10-19A	Break Room	Textured Ceiling Paint	ND	
030217-B10-19B	Break Room	Textured Ceiling Paint	ND	
030217-B10-19C	Break Room	Textured Ceiling Paint	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



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<b>EMSL Order:</b> 031705762
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/03/2017 11:00 AM  
**Analysis Date:** 03/04/2017 - 03/05/2017  
**Collected Date:** 03/02/2017

**Project:** 2257316087/ CTDCS/ BLDG 10/ VETERANS HOME/ ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030217-B10-1A 031705762-0001	OFFICE - CARPET ADHESIVE	Brown/Green Non-Fibrous Homogeneous	2% Cellulose	35% Gypsum 63% Non-fibrous (Other)	None Detected
030217-B10-1B 031705762-0002	LOBBY - CARPET ADHESIVE	Green Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
030217-B10-2A 031705762-0003	OFFICE - 12"X12" GRAY MOTTLED FLOOR TILE	Gray Non-Fibrous Homogeneous	3% Cellulose	45% Ca Carbonate 52% Non-fibrous (Other)	None Detected
030217-B10-2B 031705762-0004	OFFICE - 12"X12" GRAY MOTTLED FLOOR TILE	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
030217-B10-3A 031705762-0005	OFFICE - ADHESIVE FOR 12"X12" GRAY MOTTLED FLOOR TILE	Brown/Variou/s/Green Non-Fibrous Homogeneous	3% Cellulose	30% Gypsum 67% Non-fibrous (Other)	None Detected
030217-B10-3B 031705762-0006	OFFICE - ADHESIVE FOR 12"X12" GRAY MOTTLED FLOOR TILE	Tan/Green Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
030217-B10-4A 031705762-0007	OFFICE - 4" BLACK COVE BASE	Black Non-Fibrous Homogeneous	3% Cellulose	20% Gypsum 77% Non-fibrous (Other)	None Detected
030217-B10-4B 031705762-0008	OFFICE - 4" BLACK COVE BASE	White/Black Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
030217-B10-5A 031705762-0009	OFFICE - ADHESIVE FOR 4" BLACK COVE BASE	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
030217-B10-5B 031705762-0010	OFFICE - ADHESIVE FOR 4" BLACK COVE BASE	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/05/2017 05:41:06



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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030217-B10-6A 031705762-0011	OFFICE - 2'X4' PINHOLE FISSURED SUSPENDED CEILING TILE	Brown Non-Fibrous Homogeneous	30% Cellulose 40% MinWool	30% Non-fibrous (Other)	None Detected
030217-B10-6B 031705762-0012	OFFICE - 2'X4' PINHOLE FISSURED SUSPENDED CEILING TILE	Brown/Gray Fibrous Homogeneous	45% Cellulose 20% MinWool	15% Perlite 20% Non-fibrous (Other)	None Detected
030217-B10-7A 031705762-0013	OFFICE - GYPSUM BOARD	Brown/Gray Non-Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
030217-B10-7B 031705762-0014	CHANGING ROOM - GYPSUM BOARD	Brown/Gray Non-Fibrous Homogeneous	5% Cellulose 2% Glass	63% Gypsum 30% Non-fibrous (Other)	None Detected
030217-B10-8A 031705762-0015	OFFICE - JOINT COMPOUND	White Non-Fibrous Homogeneous	5% Cellulose	40% Ca Carbonate 10% Mica 45% Non-fibrous (Other)	None Detected
030217-B10-8B 031705762-0016	CHANGING ROOM - JOINT COMPOUND	White Non-Fibrous Homogeneous		65% Ca Carbonate 5% Mica 30% Non-fibrous (Other)	None Detected
030217-B10-9A 031705762-0017	1ST FL BATHROOM - 12"X12" TAN MOTTLED FLOOR TILE	Gray Non-Fibrous Homogeneous	2% Cellulose	20% Gypsum 78% Non-fibrous (Other)	<1% Chrysotile
030217-B10-9B 031705762-0018	BREAK ROOM - 12"X12" TAN MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	<1% Chrysotile
030217-B10-10A 031705762-0019	1ST FL BATHROOM - BLACK MASTIC FOR 12"X12" TAN MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous		20% Gypsum 76% Non-fibrous (Other)	4% Chrysotile
030217-B10-10B 031705762-0020	BREAK ROOM - BLACK MASTIC FOR 12"X12" TAN MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

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**Customer PO:** 17-10133-0001

**Project ID:**

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**Project:** 2257316087/ CTDCS/ BLDG 10/ VETERANS HOME/ ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030217-B10-11A 031705762-0021	BASEMENT - POURED CEMENTED CEILING/ FLOOR ON WIRE 19TH	Brown/Gray Non-Fibrous Homogeneous	4% Cellulose	40% Gypsum 56% Non-fibrous (Other)	None Detected
030217-B10-11B 031705762-0022	BASEMENT - POURED CEMENTED CEILING/ FLOOR ON WIRE 19TH	Brown/Gray Non-Fibrous Homogeneous	5% Cellulose	45% Gypsum 50% Non-fibrous (Other)	None Detected
030217-B10-11C 031705762-0023	BASEMENT - POURED CEMENTED CEILING/ FLOOR ON WIRE 19TH	Gray Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 45% Non-fibrous (Other)	None Detected
030217-B10-12A 031705762-0024	2ND FL HALL - CARPET ADHESIVE	Brown Non-Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 15% Gypsum 73% Non-fibrous (Other)	None Detected
030217-B10-12B 031705762-0025	CHANGING ROOM - CARPET ADHESIVE	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
030217-B10-13A 031705762-0026	2ND FL HALL - BLACK SHEET FLOOR	Black Non-Fibrous Homogeneous	5% Cellulose	30% Ca Carbonate 65% Non-fibrous (Other)	None Detected
030217-B10-13B 031705762-0027	CHANGING ROOM - BLACK SHEET FLOOR	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
030217-B10-14A 031705762-0028	2ND FL HALL - ADHESIVE FOR BLACK SHEET FLOOR (BROWN)	Brown Non-Fibrous Homogeneous	5% Cellulose 10% Fibrous_Other	30% Gypsum 55% Non-fibrous (Other)	None Detected
030217-B10-14B 031705762-0029	CHANGING ROOM - ADHESIVE FOR BLACK SHEET FLOOR (BROWN)	Yellow Non-Fibrous Homogeneous	2% Cellulose	15% Ca Carbonate 83% Non-fibrous (Other)	None Detected
030217-B10-15A 031705762-0030	2ND FL HALL - 6" BLACK COVE BASE	Black Non-Fibrous Homogeneous	3% Cellulose	25% Gypsum 72% Non-fibrous (Other)	None Detected

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**Project:** 2257316087/ CTDCS/ BLDG 10/ VETERANS HOME/ ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030217-B10-15B 031705762-0031	CHANGING ROOM - 6" BLACK COVE BASE	White/Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
030217-B10-16A 031705762-0032	2ND FL HALL - ADHESIVE FOR 6" BLACK COVE BASE	Brown Non-Fibrous Homogeneous	5% Fibrous_Other	25% Ca Carbonate 70% Non-fibrous (Other)	None Detected
030217-B10-16B 031705762-0033	CHANGING ROOM - ADHESIVE FOR 6" BLACK COVE BASE	Tan Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
030217-B10-17A 031705762-0034	CHANGING ROOM - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous	5% Cellulose	40% Gypsum 55% Non-fibrous (Other)	None Detected
030217-B10-17B 031705762-0035	BREAK ROOM - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous	5% Cellulose	40% Gypsum 55% Non-fibrous (Other)	None Detected
030217-B10-17C 031705762-0036	CLOSET - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
030217-B10-18A 031705762-0037	CHANGING ROOM - PLASTER CEILING - BASE COAT	Gray Non-Fibrous Homogeneous	6% Cellulose	50% Gypsum 44% Non-fibrous (Other)	None Detected
030217-B10-18B 031705762-0038	BREAK ROOM - PLASTER CEILING - BASE COAT	Gray Non-Fibrous Homogeneous	5% Cellulose	15% Quartz 30% Gypsum 50% Non-fibrous (Other)	None Detected
030217-B10-18C 031705762-0039	BREAK ROOM - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		35% Quartz 25% Gypsum 40% Non-fibrous (Other)	None Detected
030217-B10-19A 031705762-0040	BREAK ROOM - TEXTURED CEILING PAINT	Gray Non-Fibrous Homogeneous		40% Gypsum 10% Mica 50% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030217-B10-19B 031705762-0041	BREAK ROOM - TEXTURED CEILING PAINT	Gray/White Non-Fibrous Homogeneous		15% Quartz 10% Ca Carbonate 75% Non-fibrous (Other)	None Detected
030217-B10-19C 031705762-0042	BREAK ROOM - TEXTURED CEILING PAINT	White/Black Non-Fibrous Homogeneous		10% Quartz 15% Ca Carbonate 75% Non-fibrous (Other)	None Detected

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<b>Project:</b> 2257316087/ CTDCS/ BLDG 10/ VETERANS HOME/ ROCKY HILL CT	

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	03/03/2017	Sample Receipt Time:	11:00 AM
Analysis Completed Date:	03/05/2017	Analysis Completed Time:	2:18 AM

### **Analyst(s):**

Krystal Harris PLM (22)

Tiquasha Thompson PLM (20)

### **Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

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# BULK SAMPLE LOG

Page 1 of 3

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031705762

Cardno ATC Inspector: Alisa Werst Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 3-2-17 Project Manager: F. Fennell  
 Signature: Alisa Werst Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSC Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY  
 Building: Bld 10 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
Office	carpet adhesive	MISC				1	030217-B10-1A
Lobby	12" X 12" gray mottled floor tile					2	1B
Office						2	2A
"						2	2B
"	adhesive for "					2	3A
"						2	3B
"	4" Black Cove base					2	4A
"						2	4B
"	adhesive for "					2	5A
"						2	5B
"	2'x4' pinhole fissured suspende ceiling tile					2	6A
"	gypsum board					2	6B
Changing Room						2	7A
Office	Joint compound					2	7B
Changing Room						2	8A
						2	8B

Comments: PCM

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (Yes/No; if yes, type) Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not-reachable) Air conduits (air plenum - air shaft - riser/return-duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Friability (yes-no; hard-mold-soft surfaces) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-filtered-moderate-smooth)

Relinquished By/Date: Alisa Werst 3-2-17  
 Relinquished By/Date: \_\_\_\_\_

Received By/Date: Nicole S. [Signature] 3/3/17  
 Received By/Date: \_\_\_\_\_

Handwritten notes: FCM 8/4/17 8199 9898 2237  
3/5/17  
2:23AM



**BULK SAMPLE LOG**

Page 2 of 3  
 290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031705762

Location	Material Description	Type S	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
1st Floor Bath room	12" x 12" Tan mottled Floor tile	MISC				1	030217-B10-9A
Break Room	Black mastic for 12" x 12" tan mottled floor tile	MISC				2	913
1st Floor Bath room	tan mottled floor tile	MISC				2	104
Break Room	POURED cement ceiling	S				1	107
Basement	FLOOR ON WIRE LATH	S				2	11A
"	"	"				3	11B
"	"	"				3	11C
2nd Floor Hall	carpet adhesive	MISC				1	12A
Changing Room	"	"				2	12B
2nd Floor Hall	Black sheet floor	"				2	13A
Changing Room	"	"				2	13A
2nd Floor Hall	adhesive for Black sheet floor (Brown)	"				2	14A
Changing Room	"	"				2	14B
2nd Floor Hall	6" Black cave base	"				1	15A
Changing Room	"	"				2	15B

Comments: PLM

Notes: Damage Factors: Physical (sig ding-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - equipment - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alisa Weist 3-2-17  
 Relinquished By/Date: Nicole S. Zap 3/3/17 11 AM

KCH 3/4/17  
 Aquanum 3/5/17  
 2:23 AM



**BULK SAMPLE LOG**

Page 3 of 3

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031705762

Cardno ATC Inspector: Alicia West Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 3-2-17 Project Manager: F. Fennell  
 Signature: [Signature] Requested Completion Date:  
 Lab Name: EMSC Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY .No. Samples Collected 42  
 Building: Bldg 10 Address: Veterans Home, Rocky Hill CT

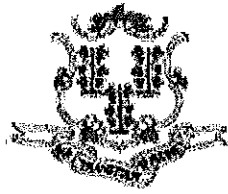
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
2nd Floor Hall	adhesive for 6" above black	Mix				1	030217-BW46A
changing room	cover base					2	16B
changing room	Plaster ceiling- Skim	S				1	17A
Break Room	coat					2	17B
closet	"					3	17C
changing room	Plaster ceiling- Base					1	18A
Break Room	coat					2	18B
Break Room	"					3	18C
Break Room	Textured ceiling paint					1	19A
"	"					2	19B
"	"					3	19C

Comments: PCM

Notes  
 Damage Factors: Water (extensive-moderate-slight) none  
Physical (sig dmg-dmg-no dmg) none  
Proximity (<1ft, 1-6ft, >6ft)  
 Disturbance Factors: Ventilation (yes-no, type) air plenum - air shaft - elevator shaft - duct  
Accessibility (within reach-barely reachable-not reachable)  
Accessability (within reach-barely reachable-not reachable)  
Fragmentation (heavy-moderate-light-none)  
Deterioration (heavy-moderate-light-none)  
Fragmentation (perm airtight-enclosed-encapsulated)  
Fragmentation (rough-pitted-moderate-smooth)  
 Relinquished By/Date: [Signature]  
 Relinquished By/Date: 3/5/17 11 AM  
 Received By/Date: Nicole S. [Signature] 3/3/17  
 Received By/Date: [Signature] 3/5/17 2:23 AM

**APPENDIX A**  
**LICENSE AND CERTIFICATION**





State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

Certificate Number

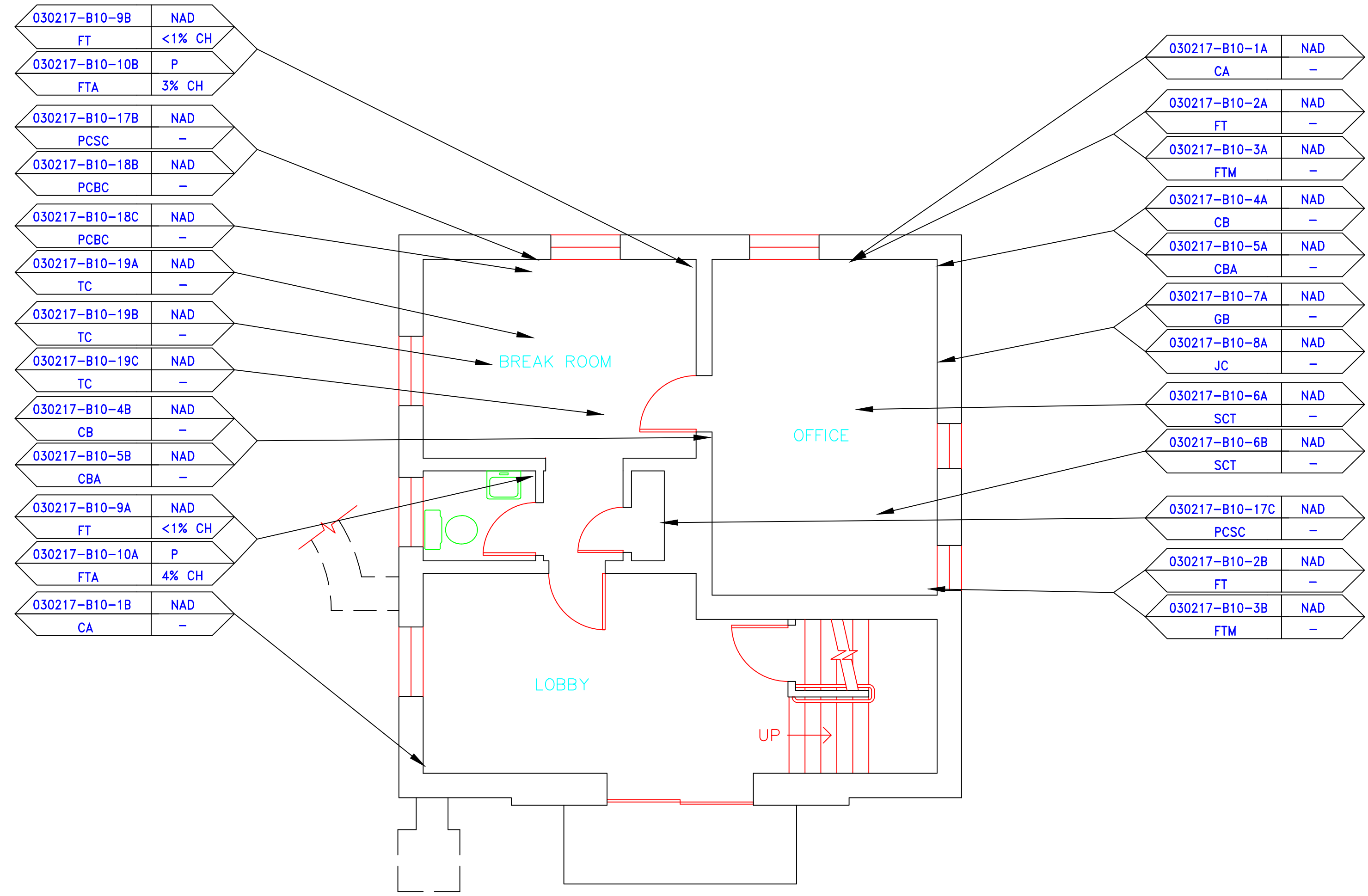
October 13, 2016

Examination Date

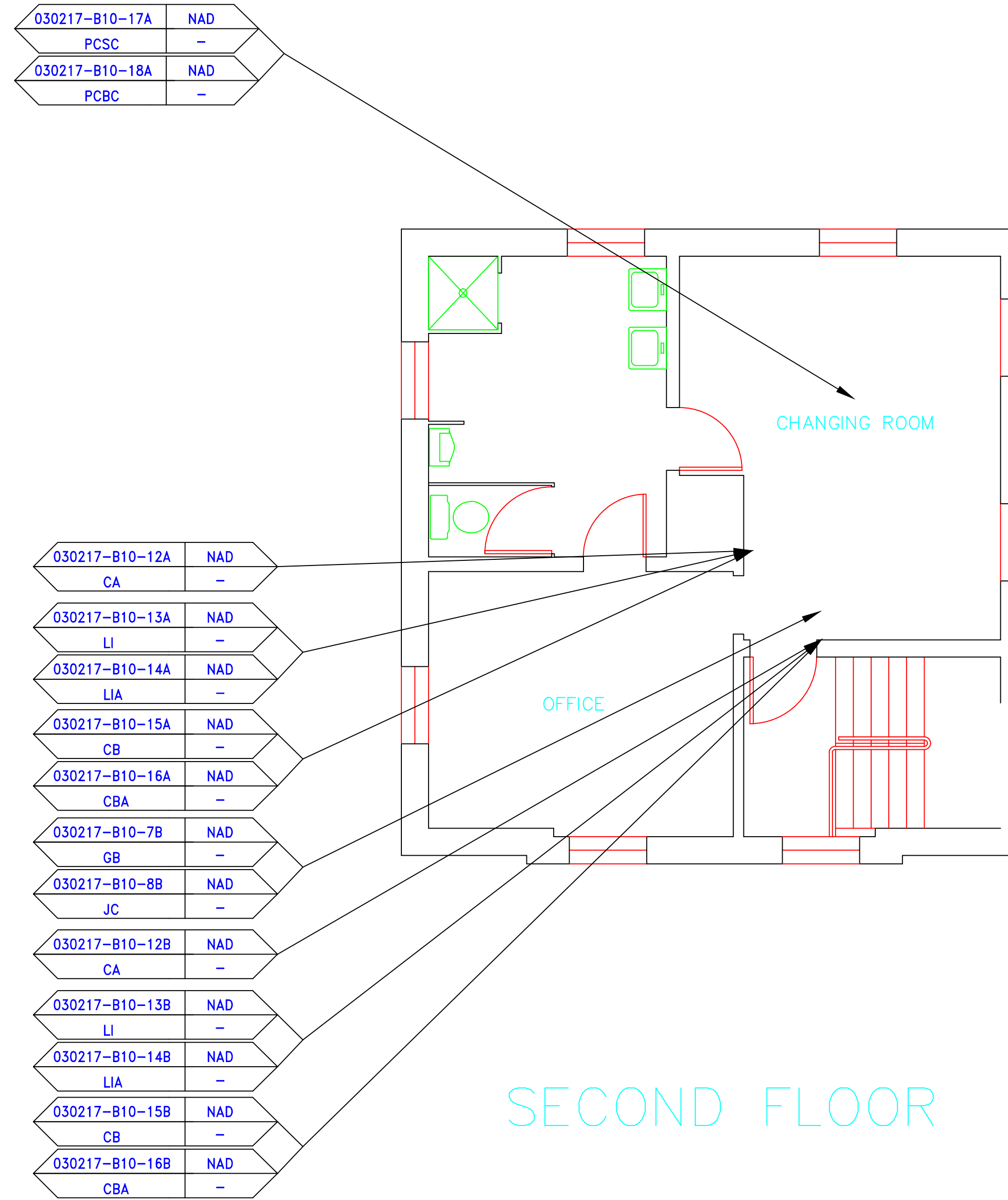
**APPENDIX B**  
**DRAWINGS**



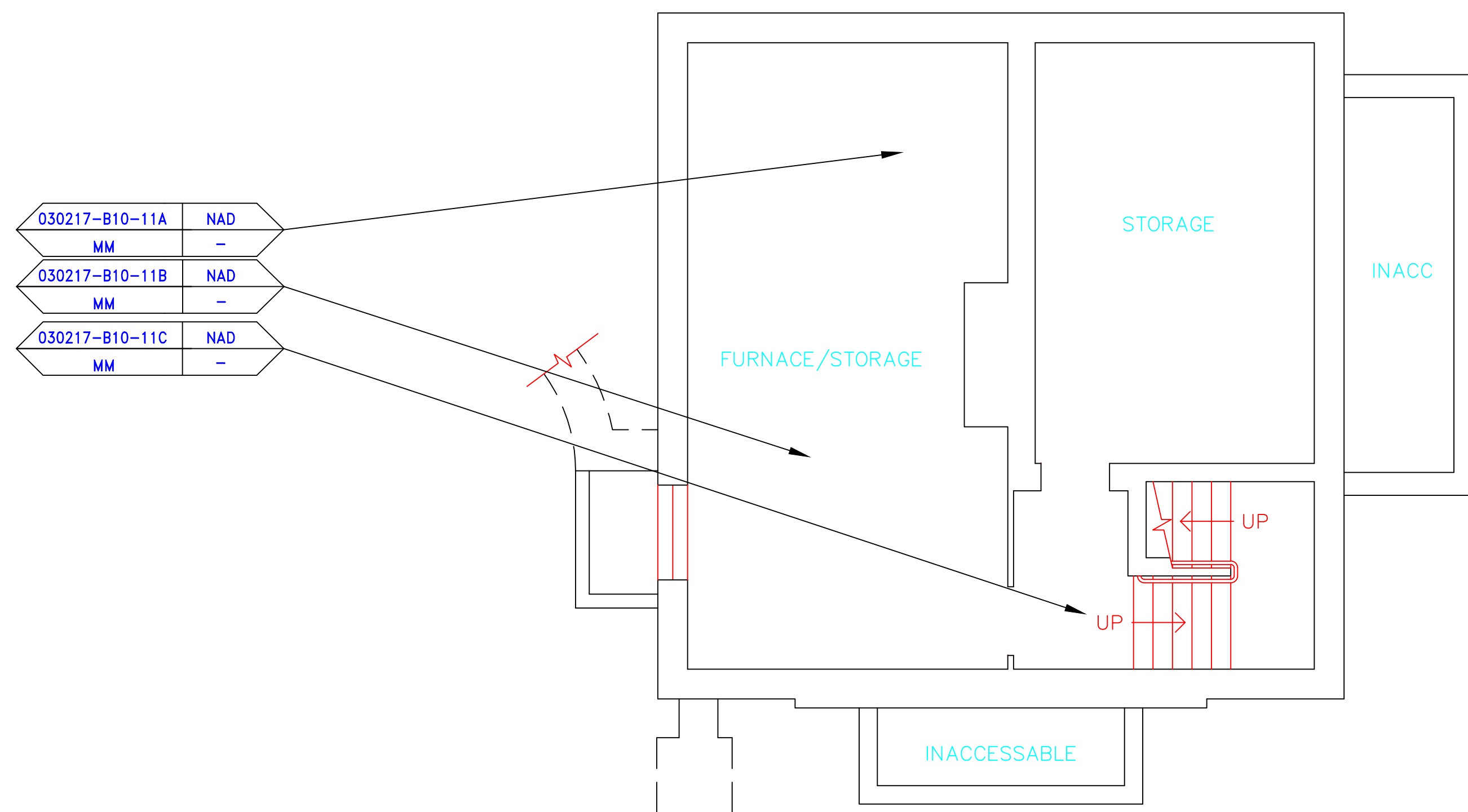




FIRST FLOOR



SECOND FLOOR



BASEMENT

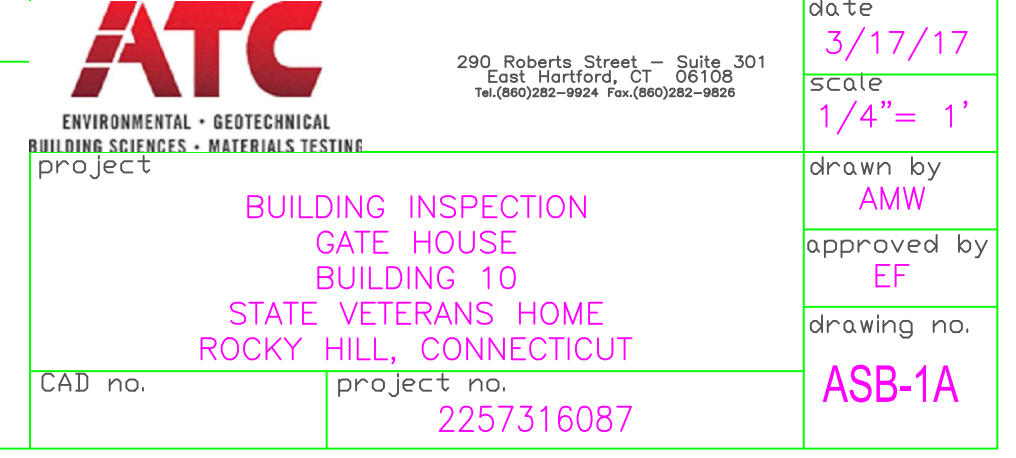
SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

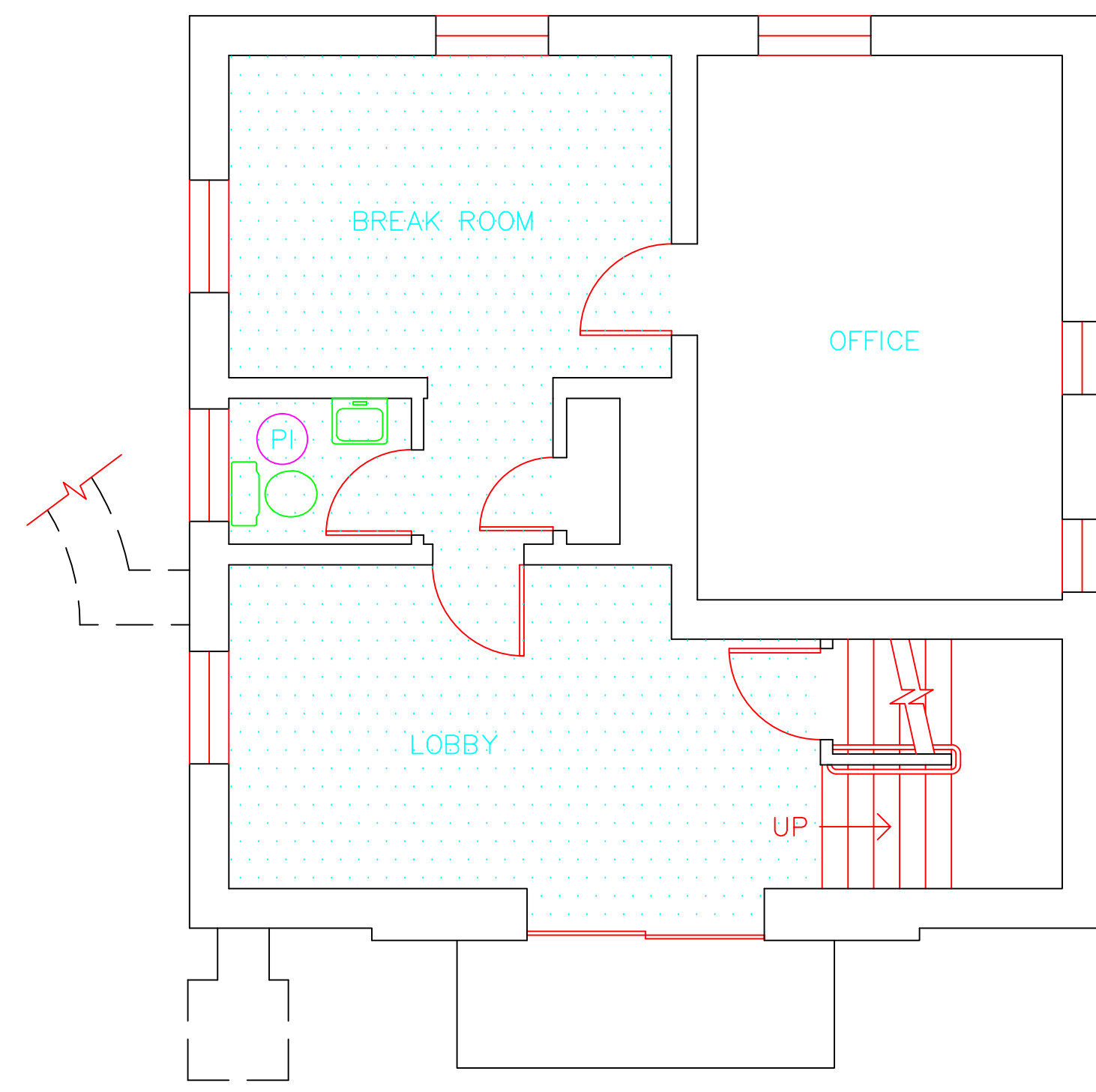
- AM = AMOSITE
- BI = BREECING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE FITTING INSULATION
- PII = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

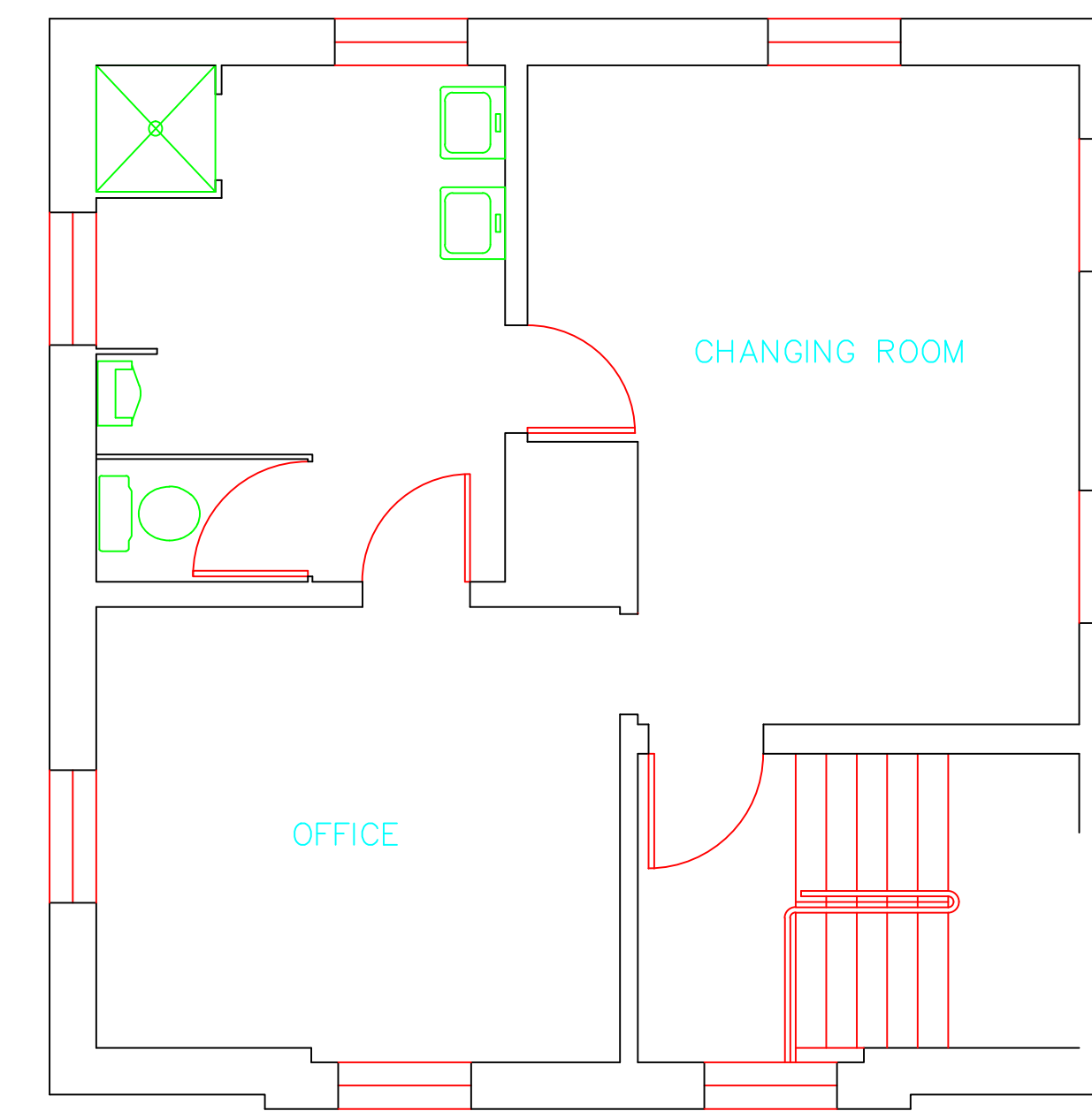
NOTES  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

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REVISIONS			
mark	date	description	date
			3/17/17
PROJECT		BUILDING INSPECTION GATE HOUSE BUILDING 10 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
DRAWN BY		AMW	APPROVED BY EF
PROJECT NO.		2257316087	DRAWING NO. ASB-1A

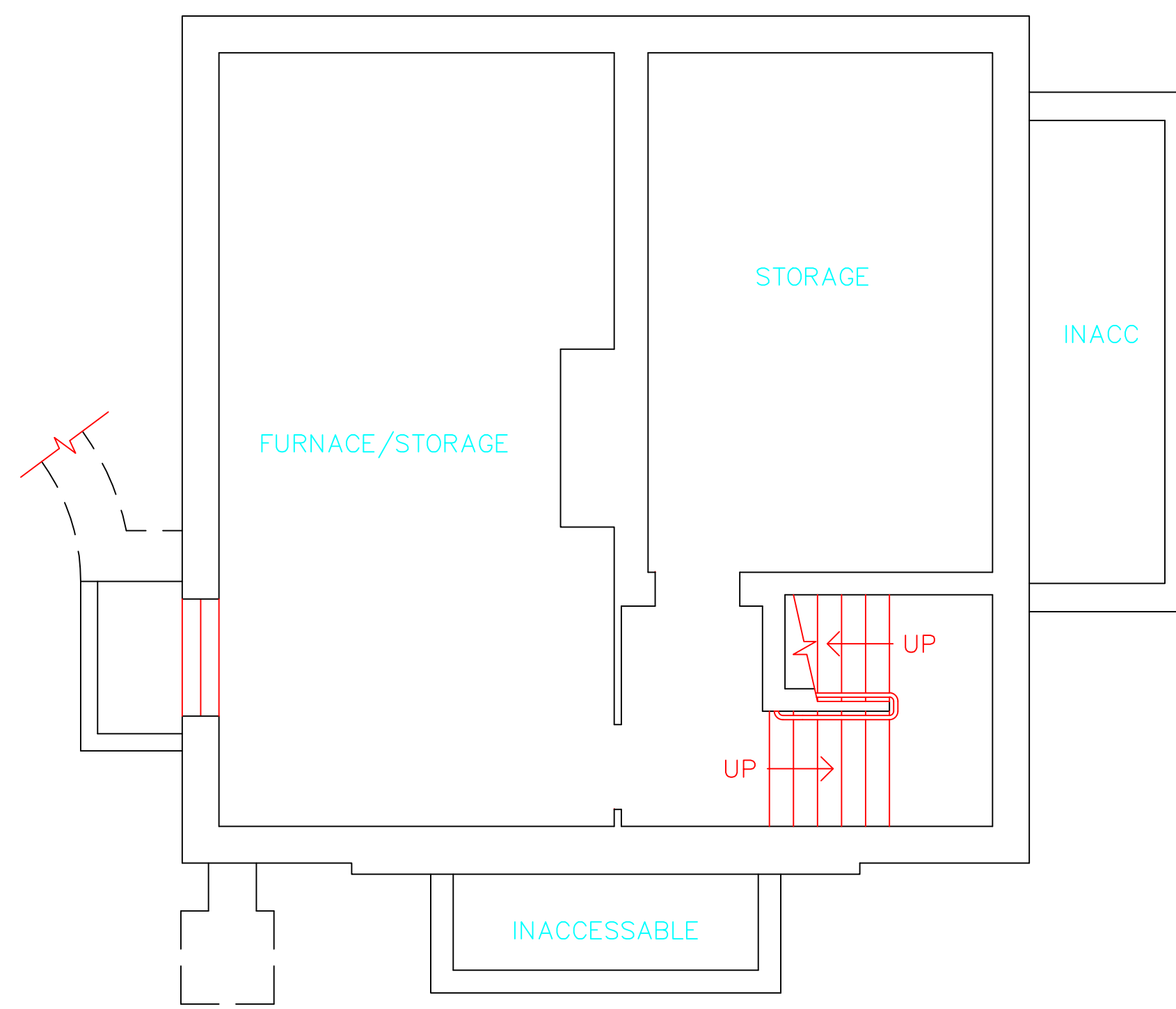




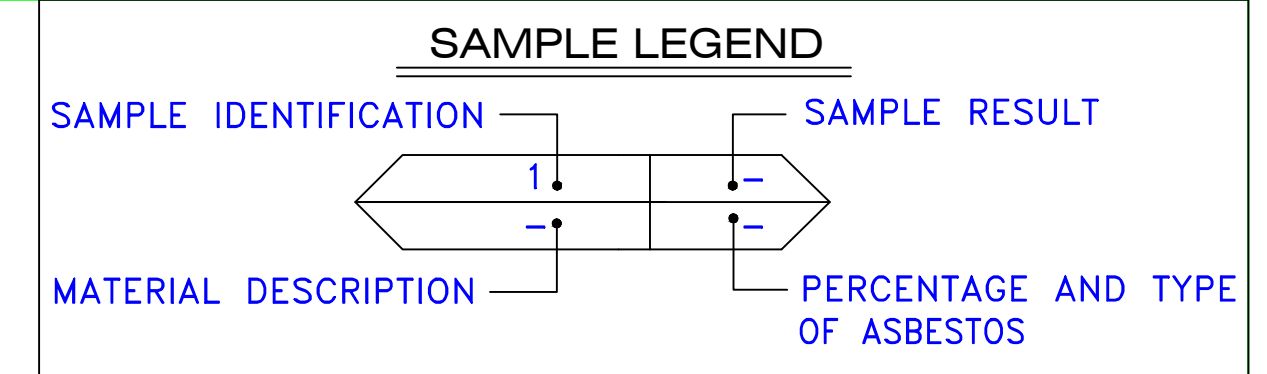
FIRST FLOOR



SECOND FLOOR




BASEMENT



SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
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DC	= DOOR CAULKING
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FT	= FLOOR TILE
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GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
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SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
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TC	= TEXTURED COATING
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VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Stippled Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Diagonal Lines]	ACM RESILIENT FLOORING ONLY
[Cross-hatch]	ACM POURED FLOORING
[Grid]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Dotted]	ACM PLASTER CEILING SKIM COAT
[Wavy]	ACM TEXTURED CEILING COATING
[Horizontal Lines]	ACM WALL PLASTER
[Vertical Lines]	ACM GLUE DAUBS
[Circle with DC]	ACM DOOR GLAZE
[Circle with DC]	ACM DOOR CAULK
[Circle with PI]	ACM PIPE INSULATION
[Circle with PF]	ACM PIPE FITTING INSULATION
[Circle with DS]	ACM DUCT SEALANT
[Circle with WC]	ACM WINDOW CAULK
[Circle with MC]	ACM MISCELLANEOUS CAULK
[Circle with WG]	ACM WINDOW GLAZING
[Circle with SF]	ACM SHEET FLOORING
[Circle with M]	ACM MASTIC ONLY
[Circle with JC]	ACM JOINT COMPOUND
[Circle with DL]	DOUBLE LAYER FLOORING

NOTES  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>ACM LOCATION FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 Rocky Hill, CT 06067 Phone: 860-261-3000</small>	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION GATE HOUSE BUILDING 10 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1' drawn by AMW approved by EF
CAD no.	project no.	2257316087	drawing no. <b>ASB-1B</b>

---

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 11  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53168  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Residence, Building 11, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



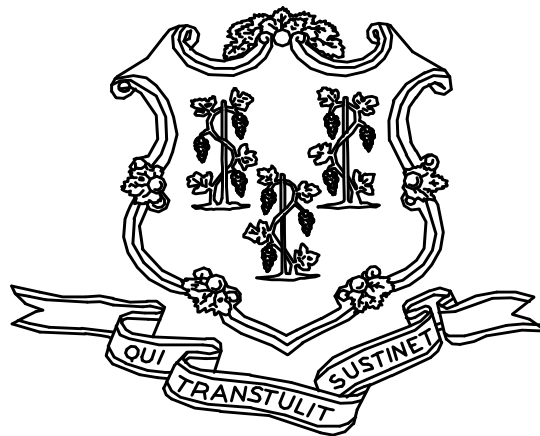
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 11  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53168  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

## Table of Contents

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### TABLE OF CONTENTS

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2.0	ASBESTOS-CONTAINING MATERIALS SURVEY
3.0	ASBESTOS-CONTAINING MATERIALS
4.0	DISCUSSION AND RECOMMENDATIONS
5.0	LIMITATIONS
6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Residence, Building 11 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 22, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: plaster ceiling, plaster wall, floor tile and associated mastic, sheet flooring and associated adhesive, cove base and associated adhesive, paper under wood floor, ceiling tile, gypsum board and joint compound.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### 3.0 ASBESTOS-CONTAINING MATERIALS

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 12"x12" Beige Floor Tile
- 12"x12" Wood Square Vinyl Floor Tile
- Mosaic Sheet Floor (Second Layer)

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall-Skim Coat
- Plaster Wall-Base Coat
- Plaster Ceiling-Skim Coat
- Plaster Ceiling-Base Coat
- Gypsum Board Ceiling`
- Gypsum Board Behind Plaster
- Gypsum Board Wall
- Joint Compound
- Black Mastic for 12"x12" Beige Floor Tile
- Adhesive for 12"x12" Wood Square Vinyl Floor Tile

- Adhesive for Mosaic Sheet Floor
- 12"x12" Beige Square Vinyl Floor Tile and Associated Mastic
- 1'x1' Ceiling Tile
- 6" Brown Cove Base and Associated Adhesive
- Black Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.



## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 11 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022217-B11-1A	Basement Hall	Gypsum Wall Board	ND	
022217-B11-1B	Kitchen	Gypsum Wall Board	ND	
022217-B11-2A	Basement Hall	Joint Compound	ND	
022217-B11-2B	Basement Hall	Joint Compound	ND	
<b>022217-B11-3A</b>	<b>Basement Storage</b>	<b>12"x12" Beige Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
<b>022217-B11-3B</b>	<b>Basement Washroom</b>	<b>12"x12" Beige Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
022217-B11-4A	Basement Storage	Black Mastic For 12"x12" Beige Floor Tile	ND	
022217-B11-4B	Basement Washroom	Black Mastic For 12"x12" Beige Floor Tile	ND	
<b>022217-B11-5A</b>	<b>Basement Hall</b>	<b>12"x12" Wood Square Vinyl Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>022217-B11-5B</b>	<b>Basement Game Room</b>	<b>12"x12" Wood Square Vinyl Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
022217-B11-6A	Basement Hall	Adhesive For 12"x12" Wood Square Vinyl Floor Tile	ND	
022217-B11-6B	Basement Game Room	Adhesive For 12"x12" Wood Square Vinyl Floor Tile	ND	
022217-B11-7A	Furnace Room	Gypsum Ceiling Board	ND	
022217-B11-7B	Laundry Room	Gypsum Ceiling Board	ND	
022217-B11-8A	Basement Game Room	1'x1' Ceiling Tile	ND	
022217-B11-8B	Basement Game Room	1'x1' Ceiling Tile	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 11 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022217-B11-9A	Basement Bathroom	6" Brown Cove Base	ND	
022217-B11-9B	Basement Bathroom	6" Brown Cove Base	ND	
022217-B11-10A	Basement Bathroom	Adhesive for 6" Brown Cove Base	ND	
022217-B11-10B	Basement Bathroom	Adhesive for 6" Brown Cove Base	ND	
<b>022217-B11-11A</b>	<b>Breakfast Room</b>	<b>Mosaic Sheet Floor</b>	<b>15</b>	<b>Chrysotile</b>
<b>022217-B11-11B</b>	<b>Breakfast Room</b>	<b>Mosaic Sheet Floor</b>	<b>10</b>	<b>Chrysotile</b>
022217-B11-12A	Breakfast Room	Adhesive for Mosaic Sheet Floor	ND	
022217-B11-12B	Breakfast Room	Adhesive for Mosaic Sheet Floor	ND	
022217-B11-13A	Breakfast Room	12"x12" Beige Square Vinyl Floor Tile	ND	
022217-B11-13B	Breakfast Room	12"x12" Beige Square Vinyl Floor Tile	ND	
022217-B11-14A	Breakfast Room	Adhesive for 12"x12" Beige Square Vinyl Floor Tile	ND	
022217-B11-14B	Breakfast Room	Adhesive for 12"x12" Beige Square Vinyl Floor Tile	ND	
022217-B11-15A	2nd Floor Bedrooms	Gypsum Board Behind Plaster	ND	
022217-B11-15B	2nd Floor Bedrooms	Gypsum Board Behind Plaster	ND	
022217-B11-16A	2nd Floor Bedroom West	Black Paper Under Wood Floor	ND	
022217-B11-16B	2nd Floor Bedroom West	Black Paper Under Wood Floor	ND	
022217-B11-17A	Stair To Basement	Plaster Wall-Skim Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 11 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022217-B11-17B	Breakfast Room	Plaster Wall-Skim Coat	ND	
022217-B11-17C	Dining Room	Plaster Wall-Skim Coat	ND	
022217-B11-17D	Living Room	Plaster Wall-Skim Coat	ND	
022217-B11-17E	2nd Floor South East Bedroom	Plaster Wall-Skim Coat	ND	
022217-B11-17F	2nd Floor South West Bedroom	Plaster Wall-Skim Coat	ND	
022217-B11-17G	2nd Floor North West Bedroom	Plaster Wall-Skim Coat	ND	
022217-B11-18A	Stair To Basement	Plaster Wall-Base Coat	ND	
022217-B11-18B	Breakfast Room	Plaster Wall-Base Coat	ND	
022217-B11-18C	Dining Room	Plaster Wall-Base Coat	ND	
022217-B11-18D	Living Room	Plaster Wall-Base Coat	ND	
022217-B11-18E	2nd Floor South East Bed Room	Plaster Wall-Base Coat	ND	
022217-B11-18F	2nd Floor North West Bedroom	Plaster Wall-Base Coat	ND	
022217-B11-18G	2nd Floor North West Bedroom	Plaster Wall-Base Coat	ND	
022217-B11-19A	1st Floor Closet	Plaster Ceiling-Skim Coat	ND	
022217-B11-19B	1st Floor Closet	Plaster Ceiling-Skim Coat	ND	
022217-B11-19C	Central West Br	Plaster Ceiling-Skim Coat	ND	
022217-B11-19D	2nd Floor Stair Closet	Plaster Ceiling-Skim Coat	ND	
022217-B11-19E	2nd Floor South West Bedroom	Plaster Ceiling-Skim Coat	ND	
022217-B11-20A	1st Floor Closet	Plaster Ceiling-Base Coat	ND	
022217-B11-20B	1st Floor Closet	Plaster Ceiling-Base Coat	ND	

**TABLE 6-1  
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STATE VETERANS HOME  
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<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022217-B11-20C	Attic	Plaster Ceiling- Base Coat	ND	
022217-B11-20D	Attic	Plaster Ceiling- Base Coat	ND	
022217-B11-20E	2nd Floor South West Bedroom	Plaster Ceiling- Base Coat	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



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<b>EMSL Order:</b> 031705039
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 02/24/2017 10:51 AM <b>Analysis Date:</b> 02/26/2017 - 02/27/2017 <b>Collected Date:</b> 02/22/2017
<b>Project:</b> 2257316087/ CTDCS/ BLD 11/ VETERANS HOME ROCKY HILL, CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B11-1A 031705039-0001	BASEMENT HALL - GYPSUM WALL BOARD	Brown/Gray Non-Fibrous Homogeneous	10% Cellulose	55% Gypsum 35% Non-fibrous (Other)	None Detected
022217-B11-1B 031705039-0002	KITCHEN - GYPSUM WALL BOARD	Gray Non-Fibrous Homogeneous	5% Cellulose	55% Gypsum 15% Perlite 25% Non-fibrous (Other)	None Detected
022217-B11-2A 031705039-0003	BASEMENT HALL - JOINT COMPOUND	White Non-Fibrous Homogeneous		50% Ca Carbonate 5% Mica 45% Non-fibrous (Other)	None Detected
022217-B11-2B 031705039-0004	BASEMENT HALL - JOINT COMPOUND	White Non-Fibrous Homogeneous		67% Ca Carbonate 3% Mica 30% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022217-B11-3A 031705039-0005	BASEMENT STORAGE - 12"x12" BEIGE FLOOR TILE	Beige Non-Fibrous Homogeneous		15% Ca Carbonate 81% Non-fibrous (Other)	4% Chrysotile
022217-B11-3B 031705039-0006	BASEMENT WASHROOM - 12"x12" BEIGE FLOOR TILE	Beige Non-Fibrous Homogeneous	3% Cellulose	15% Ca Carbonate 80% Non-fibrous (Other)	2% Chrysotile
022217-B11-4A 031705039-0007	BASEMENT STORAGE - BLACK MASTIC FOR 12"x12" BEIGE FLOOR TILE	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
022217-B11-4B 031705039-0008	BASEMENT WASHROOM - BLACK MASTIC FOR 12"x12" BEIGE FLOOR TILE	Black Non-Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (Other)	None Detected
022217-B11-5A 031705039-0009	BASEMENT HALL - 12"x12" WOOD SQUARE VINYL FLOOR TILE	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 11:16:38



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**Project:** 2257316087/ CTDCS/ BLD 11/ VETERANS HOME ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B11-5B 031705039-0010	BASEMENT GAME RM - 12"x12" WOOD SQUARE VINYL FLOOR TILE	Brown Non-Fibrous Homogeneous		22% Ca Carbonate 76% Non-fibrous (Other)	2% Chrysotile
022217-B11-6A 031705039-0011	BASEMENT HALL - ADHESIVE FOR 12"x12" WOOD SQAURE VINYL FLOOR TILE	Clear Non-Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (Other)	None Detected
022217-B11-6B 031705039-0012	BASEMENT GAME RM - ADHESIVE FOR 12"x12" WOOD SQAURE VINYL FLOOR TILE	Clear Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
022217-B11-7A 031705039-0013	FURNACE ROOM - GYPSUM CEILING BOARD	Brown/Gray Non-Fibrous Homogeneous	15% Cellulose	45% Gypsum 40% Non-fibrous (Other)	None Detected
022217-B11-7B 031705039-0014	LAUNDRY ROOM - GYPSUM CEILING BOARD	Brown/Gray Non-Fibrous Homogeneous	12% Cellulose	65% Gypsum 23% Non-fibrous (Other)	None Detected
022217-B11-8A 031705039-0015	BASEMENT GAME RM - 1'x1' CEILING TILE	Brown/Gray Fibrous Homogeneous	40% Cellulose 20% MinWool	15% Perlite 25% Non-fibrous (Other)	None Detected
022217-B11-8B 031705039-0016	BASEMENT GAME RM - 1'x1' CEILING TILE	Gray Fibrous Homogeneous	45% Cellulose 25% MinWool	15% Perlite 15% Non-fibrous (Other)	None Detected
022217-B11-9A 031705039-0017	BASEMENT BATHROOM - 6" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
022217-B11-9B 031705039-0018	BASEMENT BATHROOM - 6" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B11-10A 031705039-0019	BASEMENT BATHROOM - ADHESIVE FOR 6" BROWN COVE BASE	Brown Non-Fibrous Homogeneous	5% Cellulose	25% Ca Carbonate 70% Non-fibrous (Other)	None Detected
022217-B11-10B 031705039-0020	BASEMENT BATHROOM - ADHESIVE FOR 6" BROWN COVE BASE	Brown Non-Fibrous Homogeneous	3% Cellulose	12% Ca Carbonate 85% Non-fibrous (Other)	None Detected
022217-B11-11A 031705039-0021	BREAKFAST ROOM - MOSIAC SHEET FLOOR	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 65% Non-fibrous (Other)	15% Chrysotile
022217-B11-11B 031705039-0022	BREAKFAST ROOM - MOSIAC SHEET FLOOR	Tan Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
022217-B11-12A 031705039-0023	BREAKFAST ROOM - ADHESIVE FOR MOSIAC SHEET FLOOR	Brown Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
022217-B11-12B 031705039-0024	BREAKFAST ROOM - ADHESIVE FOR MOSIAC SHEET FLOOR	Brown Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
022217-B11-13A 031705039-0025	BREAKFAST ROOM - 12"x12" BEIGE SQAURE VINYL FLOOR TILE	Beige Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
022217-B11-13B 031705039-0026	BREAKFAST ROOM - 12"x12" BEIGE SQAURE VINYL FLOOR TILE	Beige Non-Fibrous Homogeneous		23% Ca Carbonate 77% Non-fibrous (Other)	None Detected
022217-B11-14A 031705039-0027	BREAKFAST ROOM - ADHESIVE FOR 12"x12" BEIGE SQAURE VINYL FLOOR TILE	Brown/Clear Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B11-14B 031705039-0028	BREAKFAST ROOM - ADHESIVE FOR 12"x12" BEIGE SQAURE VINYL FLOOR TILE	Clear Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
022217-B11-15A 031705039-0029	2ND FLOOR BEDROOMS - GYPSUM BOARD BEHIND PLASTER	Brown/Gray Non-Fibrous Homogeneous	4% Cellulose	66% Gypsum 30% Non-fibrous (Other)	None Detected
022217-B11-15B 031705039-0030	2ND FLOOR BEDROOMS - GYPSUM BOARD BEHIND PLASTER	Brown/Gray Non-Fibrous Homogeneous	12% Cellulose	65% Gypsum 23% Non-fibrous (Other)	None Detected
022217-B11-16A 031705039-0031	2ND FLOOR BEDROOM WEST - BLACK PAPER UNDER WOOD FLOOR	Brown/Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
022217-B11-16B 031705039-0032	2ND FLOOR BEDROOM WEST - BLACK PAPER UNDER WOOD FLOOR	Brown/Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
022217-B11-17A 031705039-0033	STAIR TO BASEMENT - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous	Inseparable paint / coating layer included in analysis		35% Ca Carbonate 65% Non-fibrous (Other) None Detected
022217-B11-17B 031705039-0034	BREAKFAST ROOM - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous			40% Ca Carbonate 60% Non-fibrous (Other) None Detected
022217-B11-17C 031705039-0035	DINING ROOM - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous			42% Ca Carbonate 58% Non-fibrous (Other) None Detected
022217-B11-17D 031705039-0036	LIVING ROOM - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous	2% Cellulose	45% Ca Carbonate 53% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B11-17E 031705039-0037	2ND FLOOR SE BR - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022217-B11-17F 031705039-0038	2ND FLOOR SW BR - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022217-B11-17G 031705039-0039	2ND FLOOR NW BR - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 46% Non-fibrous (Other)	None Detected
022217-B11-18A 031705039-0040	STAIR TO BASEMENT - PLASTER WALL-BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 35% Gypsum 25% Non-fibrous (Other)	None Detected
022217-B11-18B 031705039-0041	BREAKFAST ROOM - PLASTER WALL-BASE COAT	Gray Non-Fibrous Homogeneous	2% Cellulose	40% Quartz 35% Gypsum 23% Non-fibrous (Other)	None Detected
022217-B11-18C 031705039-0042	DINING ROOM - PLASTER WALL-BASE COAT	Brown/Gray Non-Fibrous Homogeneous	2% Cellulose	42% Quartz 28% Gypsum 28% Non-fibrous (Other)	None Detected
022217-B11-18D 031705039-0043	LIVING ROOM - PLASTER WALL-BASE COAT	Brown/Gray Non-Fibrous Homogeneous		40% Quartz 35% Gypsum 25% Non-fibrous (Other)	None Detected
022217-B11-18E 031705039-0044	2ND FLOOR SE BR - PLASTER WALL-BASE COAT	Brown/Gray Non-Fibrous Homogeneous		42% Quartz 35% Gypsum 23% Non-fibrous (Other)	None Detected
022217-B11-18F 031705039-0045	2ND FLOOR SW BR - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous		38% Quartz 30% Gypsum 32% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 11:16:38



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705039
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826

**Received Date:** 02/24/2017 10:51 AM  
**Analysis Date:** 02/26/2017 - 02/27/2017  
**Collected Date:** 02/22/2017

**Project:** 2257316087/ CTDCS/ BLD 11/ VETERANS HOME ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B11-18G 031705039-0046	2ND FLOOR NW BR - PLASTER WALL-BASE COAT	Gray Non-Fibrous Homogeneous		45% Quartz 35% Gypsum 20% Non-fibrous (Other)	None Detected
022217-B11-19A 031705039-0047	1ST FLOOR CLOSET - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
022217-B11-19B 031705039-0048	1ST FLOOR CLOSET - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
022217-B11-19C 031705039-0049	CENTRAL WEST BR - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous	2% Cellulose	48% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022217-B11-19D 031705039-0050	2ND FLOOR STAIR CLOSET - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
022217-B11-19E 031705039-0051	2ND FLOOR SW BR - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 46% Non-fibrous (Other)	None Detected
022217-B11-20A 031705039-0052	1ST FLOOR CLOSET - PLASTER CEILING-BASE COAT	Brown/Gray Non-Fibrous Homogeneous		45% Quartz 20% Gypsum 35% Non-fibrous (Other)	None Detected
022217-B11-20B 031705039-0053	1ST FLOOR CLOSET - PLASTER CEILING-BASE COAT	Brown/Gray Non-Fibrous Homogeneous	2% Cellulose	38% Quartz 35% Gypsum 25% Non-fibrous (Other)	None Detected
022217-B11-20C 031705039-0054	ATTIC - PLASTER CEILING-BASE COAT	Gray Non-Fibrous Homogeneous		30% Quartz 25% Gypsum 45% Non-fibrous (Other)	None Detected
022217-B11-20D 031705039-0055	ATTIC - PLASTER CEILING-BASE COAT	Brown/Gray Non-Fibrous Homogeneous		42% Quartz 30% Gypsum 28% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 11:16:38



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705039
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 02/24/2017 10:51 AM <b>Analysis Date:</b> 02/26/2017 - 02/27/2017 <b>Collected Date:</b> 02/22/2017
<b>Project:</b> 2257316087/ CTDCS/ BLD 11/ VETERANS HOME ROCKY HILL, CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B11-20E	2ND FLOOR SW BR -	Gray		45% Quartz	None Detected
031705039-0056	PLASTER	Non-Fibrous		32% Gypsum	
	CEILING-BASE COAT	Homogeneous		23% Non-fibrous (Other)	

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 11:16:38



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705039
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826
<b>Project:</b> 2257316087/ CTDCS/ BLD 11/ VETERANS HOME ROCKY HILL, CT	<b>Received Date:</b> 02/24/2017 10:51 AM <b>Analysis Date:</b> 02/26/2017 - 02/27/2017 <b>Collected Date:</b> 02/22/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	02/24/2017	Sample Receipt Time:	10:51 AM
Analysis Completed Date:	02/27/2017	Analysis Completed Time:	10:39 AM

### **Analyst(s):**

Kamel Alawawda  
Kamel Alawawda PLM (20)

Tiquasha Thompson  
Tiquasha Thompson PLM (36)

### **Samples Reviewed and approved by:**

James Hall  
James Hall, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 11:16:38



031705039

# BULK SAMPLE LOG

Page 1 of 4

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Wert Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 2-22-17 Project Manager: E. Fennell

Signature: [Signature] Requested Completion Date: \_\_\_\_\_

Lab Name: EMSC Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 56

Building: Bld 11 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D NID)	Sample of (homogeneous material)	Field Number
Basement Hall	gypsum wall board	MISC				2	22217-BIL-1A
BKA Kitchen						2	1B
Basement Hall	Joint compound					2	2A
"						2	2B
Basement Storage	12" X 12" beige Floor tile					2	3A
Basement Washroom	Black Mastic For 12" X 12"					2	3B
Basement Storage	Beige F					2	4A
Basement Washroom	12" X 12" Wood square vinyl					2	204B
Basement Hall	Floor tile					2	105A
" game RM	adhesive for 12" X 12" wood					2	105B
Basement Hall	square vinyl Floor tile					2	106A
" game RM	gypsum ceiling board					2	6B
Furnace Room						2	7A
Laundry Room						2	7B
Basement game RM	1' X 1' ceiling tile					2	9A
"						2	9B

Comments: PCM 110

Notes

Damage Factors: Physical (sig dmg-no dmg) Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not-reachable) Air conduits (air plenum-air shaft-airway shaft-duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Ventilation (yes-no; if yes, type) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Disturbance Factors: Proximity (<1ft-1-6ft-56ft) Relinquished By/Date: 2-22-17 Received By/Date: 2/24/17 10:57 AM

218210998902254



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Werst Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-22-17 Project Manager: F. Fennell  
 Signature: [Signature] Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR (3DY) 5 DY No. Samples Collected 56  
 Building: Building 11 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Basement Bath Room	6" Brown cover base	MISC				1 2	022217-B11-9A
	adhesive for 6" Brown cover base					2 2	9B
Breakfast Room	Mosaic Sheet Floor					1 2	10A
	adhesive for mosaic Sheet Floor					2 2	10B
	12" X 12" beige square vinyl floor tile					1 2	11A
	adhesive for 12" X 12" beige square vinyl floor tile					2 2	11B
2nd Floor bed room	gypsum board behind 1" plaster					1 2	12A
	Black paper under wood floor					2 2	12B
						1 2	13A
						2 2	13B
						1 2	14A
						2 2	14B
						1 2	15A
						2 2	15B
						1 2	16A
						2 2	16B

Comments: PCM

Notes  
 Damage Factors: \_\_\_\_\_ Friability (yes-no; hard-mod-soft surface)  
 Disturbance Factors: \_\_\_\_\_ Barriers (perm airtight-enclosed-encapsulated)  
 Physical (sig dmg-dmg-no dmg) \_\_\_\_\_ Proximity (<1ft - 1-6ft - >6ft) \_\_\_\_\_  
 Water (extensive-moderate-slight-none) \_\_\_\_\_  
 Accessability (within reach-barely-reachable-not reachable) \_\_\_\_\_  
 Air conduits (air plenum - air shaft - elevator shaft - duct) \_\_\_\_\_  
 Ventilation (yes-no-if yes, type) \_\_\_\_\_  
 Relinquished By/Date: Alisa Werst 2-22-17 Received By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: 2/24/17 10:37 AM

S:\BldgSat\Admin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc



32  
14  
46

**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826



Cardno ATC Inspector: <u>Alisa Werst</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>					
Survey Date: <u>2-22-17</u>		Project Manager: <u>F. Fennell</u>					
Signature: <u>Alisa Werst</u>		Requested Completion Date: _____					
Lab Name: <u>EMSC</u>		Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY					
Building: <u>Bld 11</u>		Address: <u>Veterans Home, Rocky Hill CT</u>					
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Stair to Basement	Plaster wall - skim coat	S				1	022217-B11-17A
Breakfast room	"					2	17B
Dining Room	"					3	17C
Living Room	"					4	17D
2nd Floor SE BR	"					5	17E
SW BR	"					6	17F
NW BR	"					7	17G
Stair to Basement	Plaster Wall - Base coat					1	2017 FEB 21 AM ID 51
Breakfast Room	"					2	18A
Dining Room	"					3	18B
Living Room	"					4	18C
2nd Floor SE BR	"					5	18D
SW BR	"					6	18E
NW BR	"					7	18F
							18G

**Comments:**

Notes  
Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely-reachable-not reachable) Alt conduits (air plenum - air shaft - elevator shaft-duct)  
Relinquished By/Date: Alisa Werst 2-22-17 Received By/Date: \_\_\_\_\_  
Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

Enabllity (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Deterioration (heavy-moderate-light-none) Vibration (gym-music mm-auditorium-mechanical m-elevator-other) Alt movement (high-moderate-low)

PCM



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

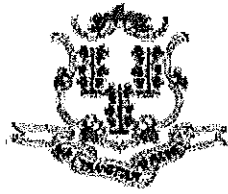
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 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-22-17 Project Manager: F. Fennell  
 Signature: [Signature] Requested Completion Date:  
 Lab Name: EMSC Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 56  
 Building: Bld - 11 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
1st Floor closet	Plaster ceiling - skim coat	S				1 5	022217-B11-19A
Central West BR	"					2 5	19B
2nd Floor stair closet	"					3 4	19C
2nd Floor SW BR	"					5	19D
1st Floor closet	Plaster ceiling - Base coat					2 5	19E
ATC	"						201 FEB 24 10:5
"	"						201 FEB 24 10:5
1st Floor SW BR	"						201 FEB 24 10:5

Comments: PCM

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely-reachable-not-reachable)  
 Relinquished By/Date: Alisa Werst 2-22-17 Received By/Date: [Signature] 2/24/17 10:31 AM  
 Relinquished By/Date: [Signature] Received By/Date: [Signature]

**APPENDIX A**  
**LICENSE AND CERTIFICATION**



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSTOLE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPNUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

NOTES  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

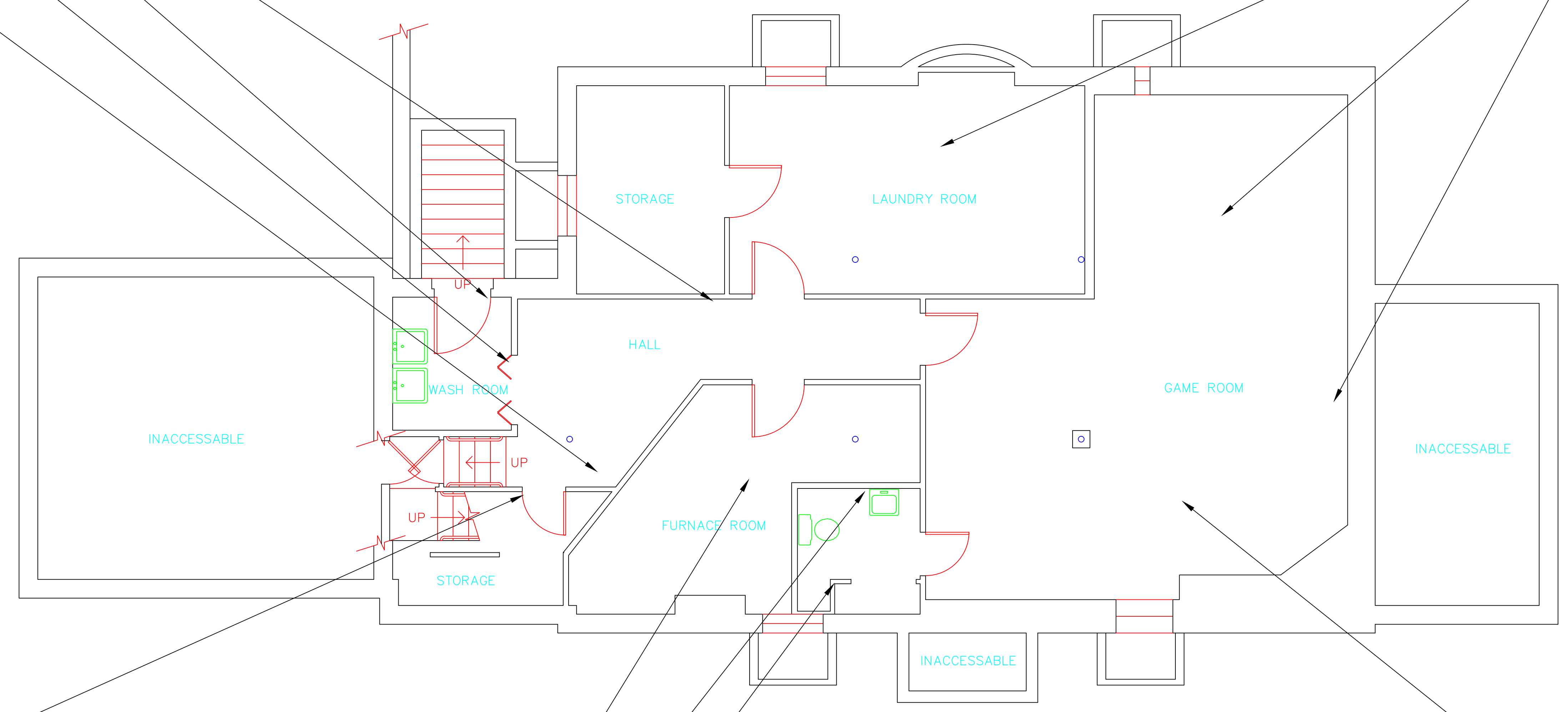
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JC	-
022217-B11-3B	P
FT	2% CH
022217-B11-4B	NAD
FTM	-
022217-B11-1A	NAD
GB	-
022217-B11-2A	NAD
JC	-
022217-B11-5A	P
FT	3% CH
022217-B11-6A	NAD
FTM	-

022217-B11-7B	NAD
GB	-
022217-B11-8B	NAD
SCT	-
022217-B11-5B	P
FT	2% CH
022217-B11-6B	NAD
FTM	-

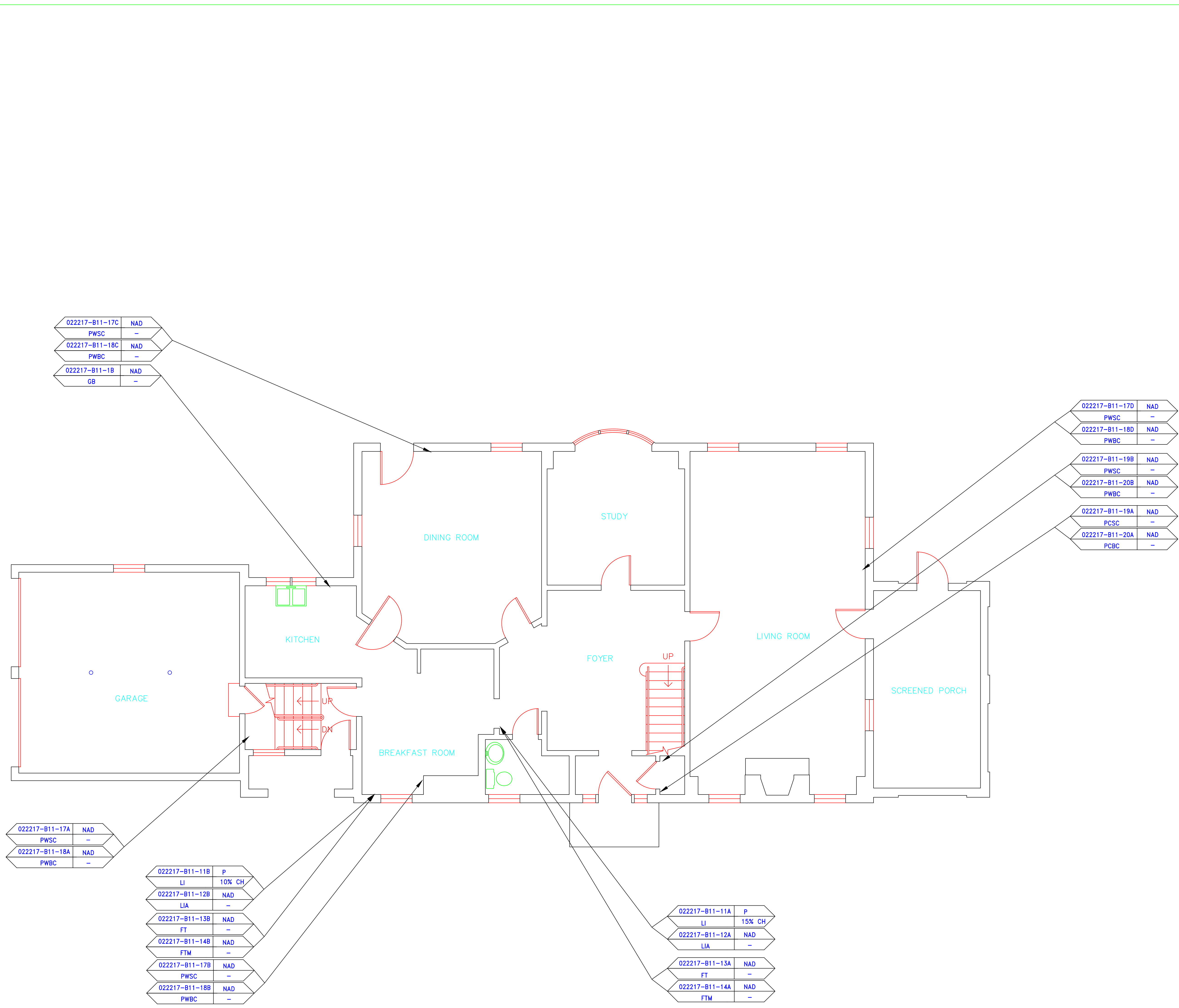
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FT	4% CH
022217-B11-4A	NAD
FTM	-

022217-B11-7A	NAD
GB	-
022217-B11-9A	NAD
CB	-
022217-B11-10A	NAD
CBA	-
022217-B11-9B	NAD
CB	-
022217-B11-10B	NAD
CBA	-

022217-B11-8A	NAD
SCT	-




drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION BASEMENT PLAN		ATC 200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-255-3200 Fax: 860-255-3201	
REVISIONS		3/17/17	
mark	date	description	SCALE: 1/4" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-BA
CAD no.	project no.	2257316087	



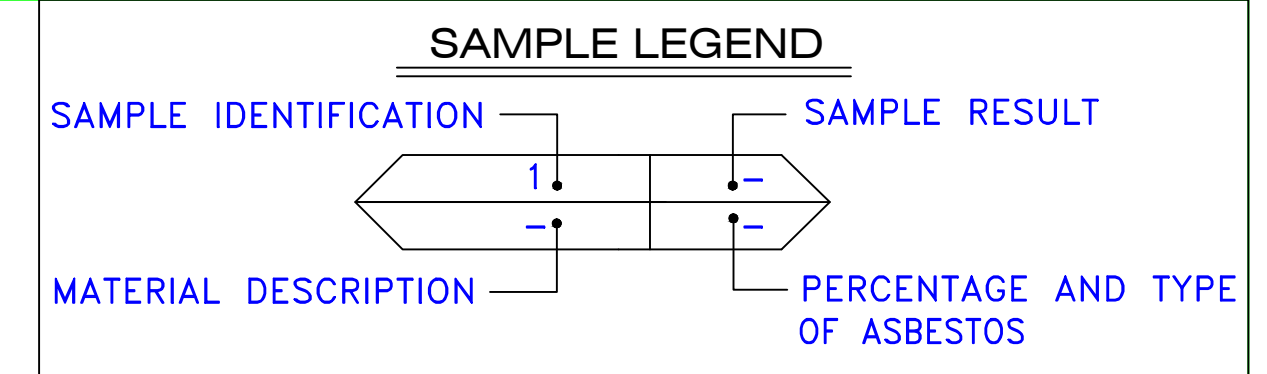
SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

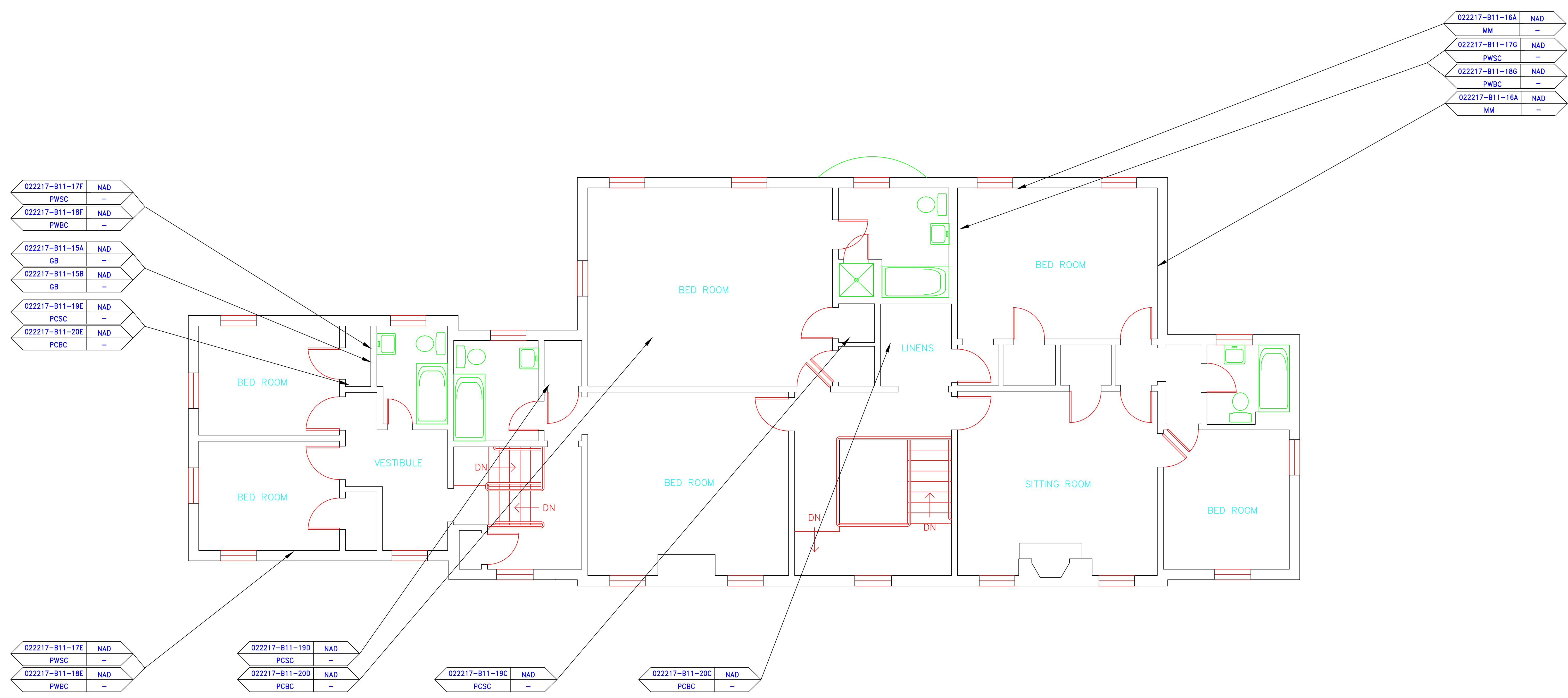
**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-405-2000</small>	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 11 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no.	drawn by AMW approved by EF
		2257316087	drawing no. ASB-1A





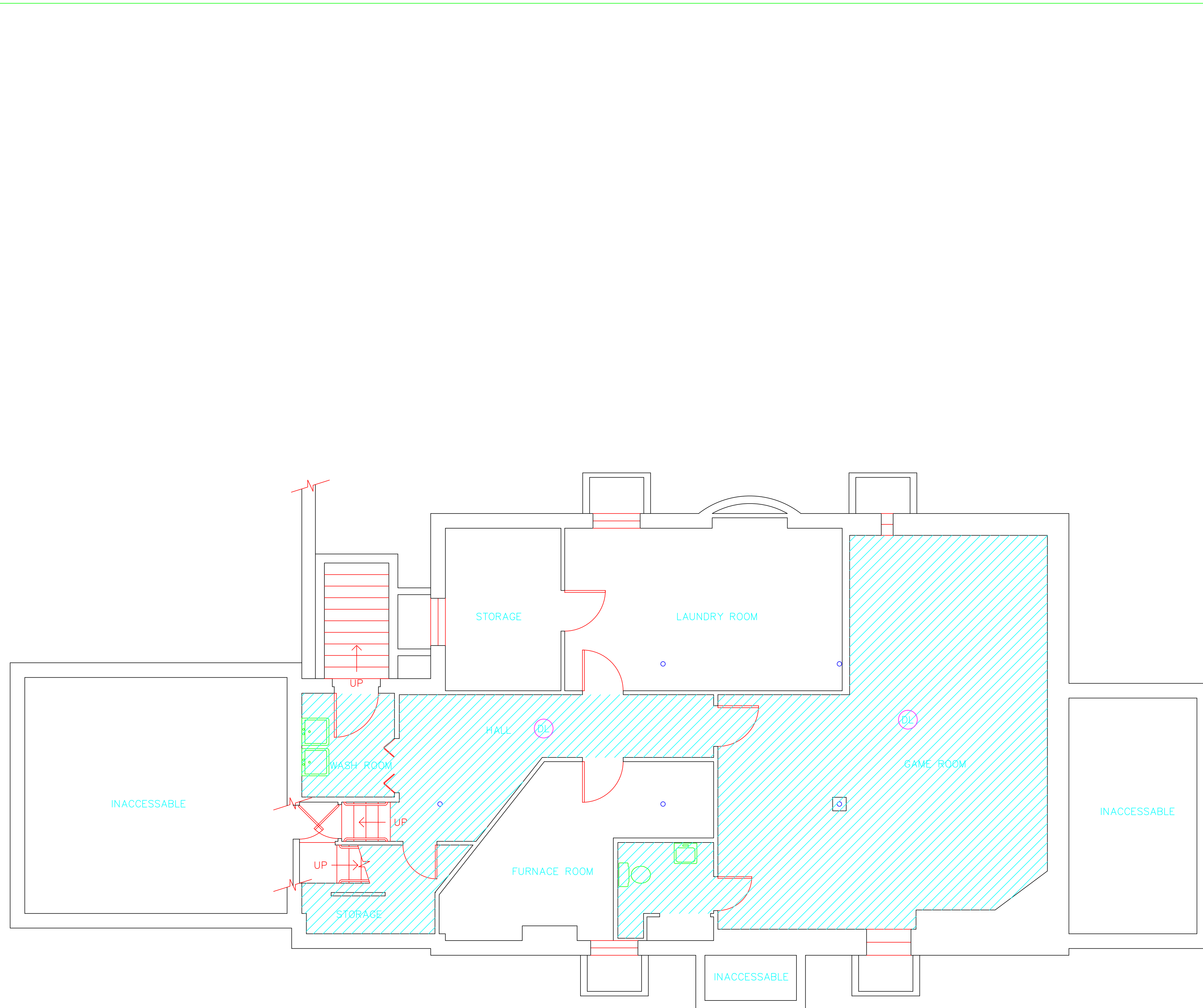
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE FITTING INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE



SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS


drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>SAMPLE LOCATION SECOND FLOOR PLAN</b>		ATC 200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Tel: 860-418-2000	
REVISIONS		date: 3/17/17	
mark	date	description	SCALE: 1/4" = 1'
			drawn by: AMW
			approved by: EF
project		BUILDING INSPECTION RESIDENCE BUILDING 11 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	
CAD no.	project no.	drawing no. ASB-2A	
	2257316087		

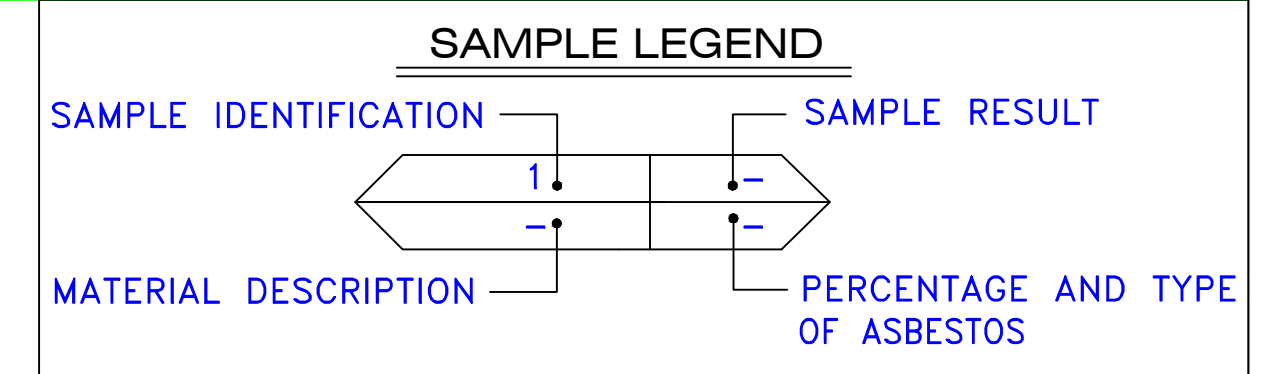


SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EFJ	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

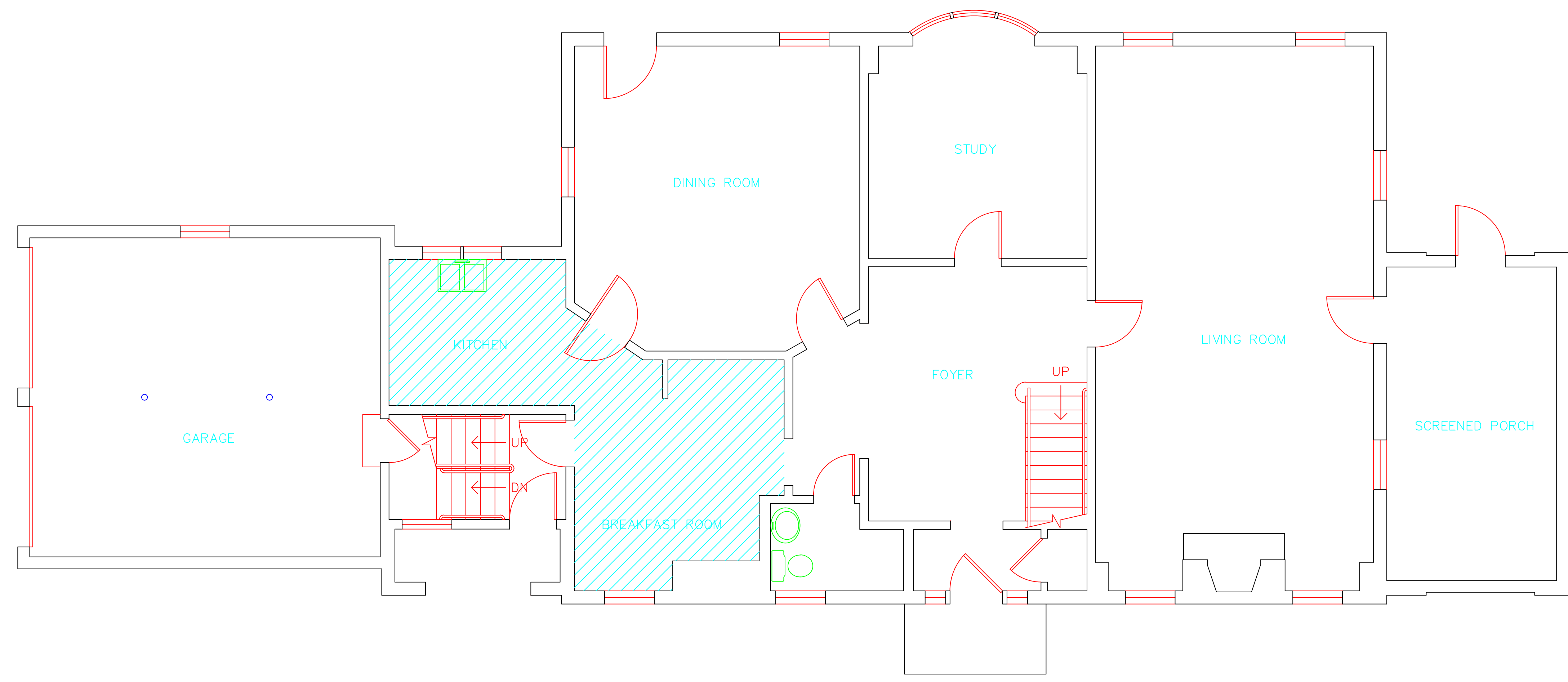
SYMBOL	MATERIAL DESCRIPTION
[Diagonal lines]	ACM RESILIENT FLOORING AND MASTIC
[Cross-hatch]	ACM RESILIENT FLOORING ONLY
[Dotted]	ACM POURED FLOORING
[Grid]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Stippled]	ACM PLASTER CEILING SKIM COAT
[Wavy lines]	ACM TEXTURED CEILING COATING
[Horizontal lines]	ACM WALL PLASTER
[Vertical lines]	ACM GLUE DAUBS
(DL)	ACM DOOR GLAZE
(DC)	ACM DOOR CAULK
(PI)	ACM PIPE INSULATION
(PFI)	ACM PIPE FITTING INSULATION
(DS)	ACM DUCT SEALANT
(WC)	ACM WINDOW CAULK
(MC)	ACM MISCELLANEOUS CAULK
(WG)	ACM WINDOW GLAZING
(SF)	ACM SHEET FLOORING
(M)	ACM MASTIC ONLY
(JC)	ACM JOINT COMPOUND
(DL)	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>ACM LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 Rocky Hill, CT 06067 Telephone: 860-261-3000</small>	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 11 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-BB



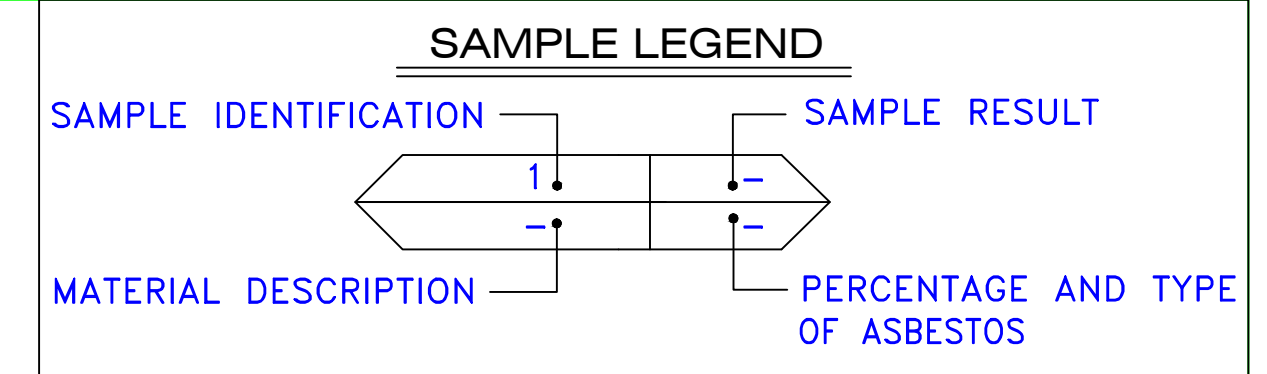
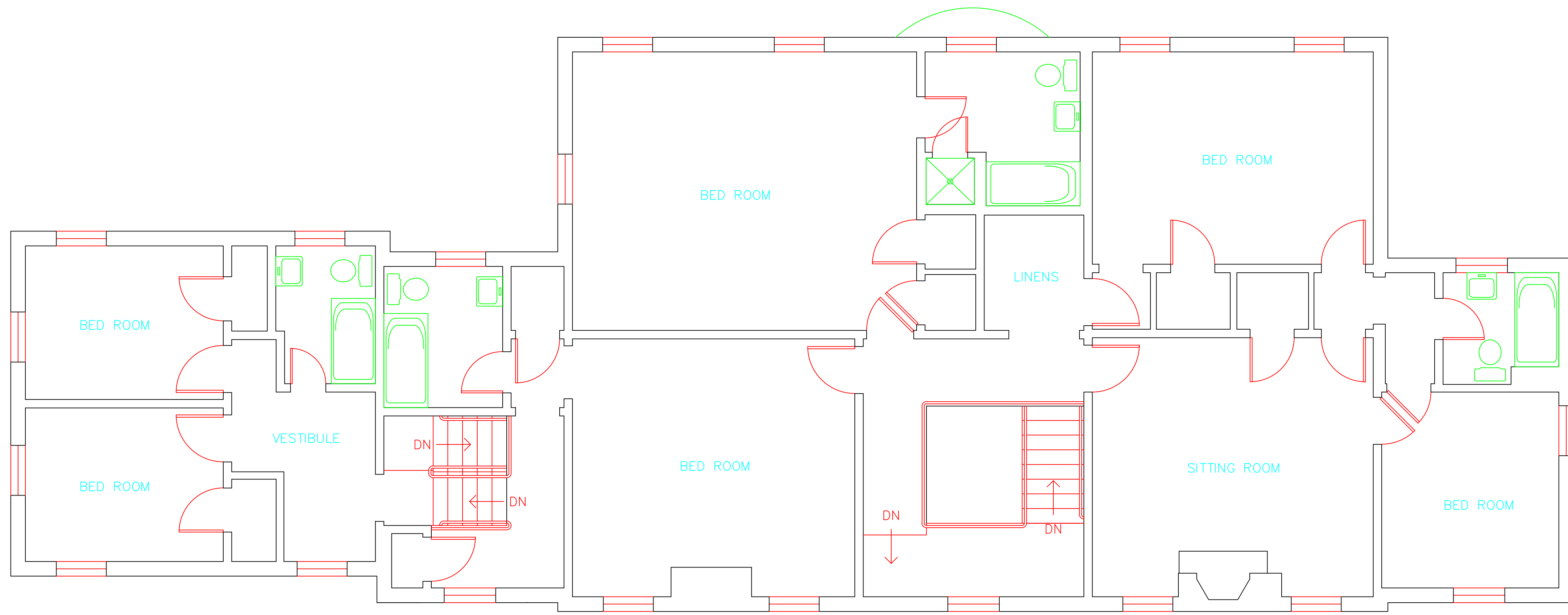
AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSTOLE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FEC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSON BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>ACM LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Environmental - Asbestos BUILDING INSPECTION MATERIALS SECTION	
mark	date	description	date
			3/17/17
		project	SCALE: 1/4" = 1'
		drawn by	AMW
		approved by	EF
		drawing no.	ASB-1B
		CAD no.	project no. 2257316087



- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
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- DS = DUCT SEALANT
- ECP = END CAP PACKING
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- FP = SPRAY-ON FIREPROOFING
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- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
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- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
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- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
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SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
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	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING

-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>ACM LOCATION SECOND FLOOR PLAN</b>		<b>ATC</b>	
REVISIONS		200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Tel: 860-261-3000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 11 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no.	drawn by AMW
		2257316087	approved by EF
			drawing no. ASB-2B

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March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 12  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53184  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Residence, Building 12, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



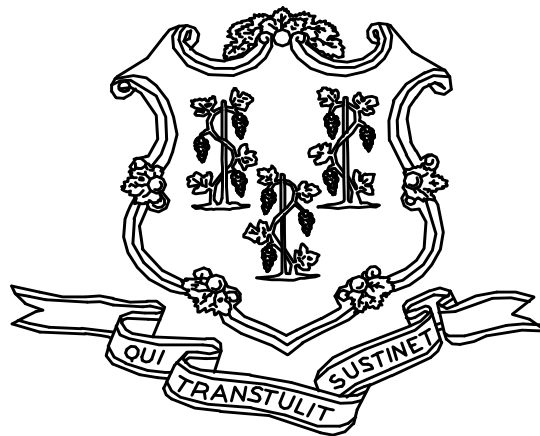
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 12  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53184  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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1.0	INTRODUCTION
2.0	ASBESTOS-CONTAINING MATERIALS SURVEY
3.0	ASBESTOS-CONTAINING MATERIALS
4.0	DISCUSSION AND RECOMMENDATIONS
5.0	LIMITATIONS
6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Residence, Building 12 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 22 and March 2, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: plaster ceiling, plaster wall, floor tile and associated mastic, sheet flooring and associated adhesive, paper under wood floor, ceiling tiles, and gypsum board.

### 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.



- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Plaster Ceiling Skim Coat (Basement Family Room)
- Plaster Ceiling Skim Coat at Second Floor Hatch to the Attic
- Gray Floor Tile under 12"x12" Beige Mottled Floor Tile

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall-Skim Coat
- Plaster Wall-Base Coat
- Plaster Ceiling-Skim Coat
- Plaster Ceiling-Base Coat
- Gypsum Board Behind Plaster
- 12"x12" Beige Mottled Floor Tile and Associated Adhesive
- Black Mastic for Gray Floor Tile
- 2'x2' Pinhole Fissured Suspended Ceiling Tile
- Black Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## 6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 12 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022217-B12-1A	Family Room	Plaster Wall - Skim Coat	ND	
022217-B12-1B	Dining Room	Plaster Wall - Skim Coat	ND	
022217-B12-1C	Breakfast Nook	Plaster Wall - Skim Coat	ND	
022217-B12-1D	1st Floor Bathroom	Plaster Wall - Skim Coat	ND	
022217-B12-1E	Basement Stair	Plaster Wall - Skim Coat	ND	
022217-B12-1F	2nd Floor South East Bedroom	Plaster Wall - Skim Coat	ND	
022217-B12-1G	2nd Floor North West Bed Room	Plaster Wall - Skim Coat	ND	
022217-B12-2A	Family Room	Plaster Wall - Base Coat	ND	
022217-B12-2B	Dining Room	Plaster Wall - Base Coat	ND	
022217-B12-2C	Breakfast Nook	Plaster Wall - Base Coat	ND	
022217-B12-2D	1st Floor Bathroom	Plaster Wall - Base Coat	ND	
022217-B12-2E	Basement Stair	Plaster Wall - Base Coat	ND	
022217-B12-2F	2nd Floor South East Bed Room	Plaster Wall - Base Coat	ND	
022217-B12-2G	2nd Floor North West Bed Room	Plaster Wall - Base Coat	ND	
022217-B12-3A	Front Door Closet	Plaster Ceiling - Skim Coat	ND	
022217-B12-3B	1st Floor Bathroom	Plaster Ceiling - Skim Coat	ND	
022217-B12-3C	Basement Stair	Plaster Ceiling - Skim Coat	ND	
<b>022217-B12-3D</b>	<b>Basement Family Room</b>	<b>Plaster Ceiling - Skim Coat</b>	<b>4</b>	<b>Chrysotile</b>
<b>022217-B12-3E</b>	<b>2nd Floor Hall</b>	<b>Plaster Ceiling - Skim Coat</b>	<b>2</b>	<b>Chrysotile</b>
022217-B12-4A	Front Door Closet	Plaster Ceiling - Base Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 12 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022217-B12-4B	1st Floor Bathroom	Plaster Ceiling - Base Coat	ND	
022217-B12-4C	Basement Stair	Plaster Ceiling - Base Coat	ND	
022217-B12-4D	Basement Family Room	Plaster Ceiling - Base Coat	ND	
022217-B12-4E	2nd Floor Hall	Plaster Ceiling - Base Coat	ND	
022217-B12-5A	Foyer	Paper Under Wood Floor	ND	
022217-B12-5B	2nd Floor North West Bed Room	Paper Under Wood Floor	ND	
022217-B12-6A	Breakfast Nook	12"x12" Beige Mottled Floor Tile	ND	
022217-B12-6B	Kitchen	12"x12" Beige Mottled Floor Tile	ND	
022217-B12-7A	Breakfast Nook	Yellow Adhesive for 12"x12" Beige Mottled Floor Tile	ND	
022217-B12-7B	Kitchen	Yellow Adhesive for 12"x12" Beige Mottled Floor Tile	ND	
<b>022217-B12-8A</b>	<b>Breakfast Nook</b>	<b>Gray Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>022217-B12-8B</b>	<b>Kitchen</b>	<b>Gray Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
022217-B12-9A	Breakfast Nook	Black Mastic for Gray Floor Tile	ND	
022217-B12-9B	Kitchen	Black Mastic for Gray Floor Tile	ND	
022217-B12-10A	1st Floor Bathroom	Gypsum Board Behind Plaster	ND	
022217-B12-10B	Basement Stair	Gypsum Board Behind Plaster	ND	
022217-B12-11A	1st Floor Bathroom	2'x2' Pinhole Fissured Suspended Ceiling Tile	ND	
022217-B12-11B	1st Floor Bathroom	2'x2' Pinhole Fissured Suspended Ceiling Tile	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 12 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
030217-B12-1A	Basement Stair	Plaster Ceiling-Skim Coat	ND	
<b>030217-B12-1B</b>	<b>Family Room</b>	<b>Plaster Ceiling-Skim Coat</b>	<b>3</b>	<b>Chrysotile</b>
<b>030217-B12-1C</b>	<b>Family Room</b>	<b>Plaster Ceiling-Skim Coat</b>	<b>5</b>	<b>Chrysotile</b>
030217-B12-2A	Basement Stair	Plaster Ceiling-Base Coat	ND	
030217-B12-2B	Family Room	Plaster Ceiling-Base Coat	ND	
030217-B12-2C	Family Room	Plaster Ceiling-Base Coat	ND	
030217-B12-3A	Bedroom 1	Plaster Ceiling-Skim Coat	ND	
030217-B12-3B	Bedroom 3	Plaster Ceiling-Skim Coat	ND	
030217-B12-3C	Bedroom 2	Plaster Ceiling-Skim Coat	ND	
030217-B12-4A	Bedroom 1	Plaster Ceiling-Base Coat	ND	
030217-B12-4B	Bedroom 3	Plaster Ceiling-Base Coat	ND	
030217-B12-4C	Bedroom 2	Plaster Ceiling-Base Coat	ND	
030217-B12-5A	2nd Floor at Hatch	Plaster Ceiling-Skim Coat	ND	
030217-B12-5B	2nd Floor at Hatch	Plaster Ceiling-Skim Coat	ND	
030217-B12-6A	2nd Floor at Hatch	Plaster Ceiling-Base Coat	ND	
030217-B12-6B	2nd Floor at Hatch	Plaster Ceiling-Base Coat	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



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**EMSL Order:** 031705024

**Customer ID:** ATCE54

**Customer PO:** 17-10133-000

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 02/24/2017 10:53 AM

**Analysis Date:** 02/27/2017

**Collected Date:** 02/22/2017

**Project:** 2257316087/ CTDCS/ BLDG 12/ VETERANS HOME, ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B12-1A 031705024-0001	FAMILY ROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
022217-B12-1B 031705024-0002	DINING ROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
022217-B12-1C 031705024-0003	BREAKFAST NOOK - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
022217-B12-1D 031705024-0004	1ST FLOOR BATHROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
022217-B12-1E 031705024-0005	BASEMENT STAIR - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
022217-B12-1F 031705024-0006	2ND FLOOR SE BR - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
022217-B12-1G 031705024-0007	2ND FLOOR NW BR - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 46% Non-fibrous (Other)	None Detected
022217-B12-2A 031705024-0008	FAMILY ROOM - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		50% Quartz 35% Gypsum 15% Non-fibrous (Other)	None Detected
022217-B12-2B 031705024-0009	DINING ROOM - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 25% Gypsum 30% Non-fibrous (Other)	None Detected
022217-B12-2C 031705024-0010	BREAKFAST NOOK - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 30% Gypsum 25% Non-fibrous (Other)	None Detected

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Initial report from: 02/27/2017 13:32:59





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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B12-2D 031705024-0011	1ST FLOOR BATHROOM - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		55% Quartz 30% Gypsum 15% Non-fibrous (Other)	None Detected
022217-B12-2E 031705024-0012	BASEMENT STAIR - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		35% Quartz 55% Gypsum 10% Non-fibrous (Other)	None Detected
022217-B12-2F 031705024-0013	2ND FLOOR SE BR - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 25% Gypsum 30% Non-fibrous (Other)	None Detected
022217-B12-2G 031705024-0014	2ND FLOOR NW BR - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 32% Gypsum 23% Non-fibrous (Other)	None Detected
022217-B12-3A 031705024-0015	FRONT DOOR CLOSET - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
022217-B12-3B 031705024-0016	1ST FLOOR BATHROOM - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
022217-B12-3C 031705024-0017	BASEMENT STAIR - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
022217-B12-3D 031705024-0018	BASEMENT FAMILY RM - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		35% Ca Carbonate 61% Non-fibrous (Other)	4% Chrysotile
022217-B12-3E 031705024-0019	2ND FLOOR HALL - PLASTER CEILING - SKIM COAT	Tan/White Non-Fibrous Homogeneous		54% Ca Carbonate 44% Non-fibrous (Other)	2% Chrysotile
022217-B12-4A 031705024-0020	FRONT DOOR CLOSET - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 22% Gypsum 33% Non-fibrous (Other)	None Detected

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B12-4B 031705024-0021	1ST FLOOR BATHROOM - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		50% Quartz 35% Gypsum 15% Non-fibrous (Other)	None Detected
022217-B12-4C 031705024-0022	BASEMENT STAIR - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		50% Quartz 40% Gypsum 10% Non-fibrous (Other)	None Detected
022217-B12-4D 031705024-0023	BASEMENT FAMILY ROOM - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		35% Quartz 60% Gypsum 5% Non-fibrous (Other)	None Detected
022217-B12-4E 031705024-0024	2ND FLOOR HALL - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 35% Gypsum 20% Non-fibrous (Other)	None Detected
022217-B12-5A 031705024-0025	FOYER - PAPER UNDER WOOD FLOOR	Brown Fibrous Homogeneous	80% Cellulose 1% Synthetic	19% Non-fibrous (Other)	None Detected
022217-B12-5B 031705024-0026	2ND FLOOR NW BR - PAPER UNDER WOOD FLOOR	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
022217-B12-6A 031705024-0027	BREAKFAST NOOK - 12"X12" BEIGE MOTTLED FLOOR TILE	Beige Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
022217-B12-6B 031705024-0028	KITCHEN - 12"X12" BEIGE MOTTLED FLOOR TILE	Beige Non-Fibrous Homogeneous		54% Ca Carbonate 46% Non-fibrous (Other)	None Detected
022217-B12-7A 031705024-0029	BREAKFAST NOOK - YELLOW ADHESIVE FOR 12"X12" BEIGE MOTTLED FLOOR TILE	Brown/Yellow Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
022217-B12-7B 031705024-0030	KITCHEN - YELLOW ADHESIVE FOR 12"X12" BEIGE MOTTLED FLOOR TILE	Yellow Non-Fibrous Homogeneous	3% Cellulose	7% Ca Carbonate 90% Non-fibrous (Other)	None Detected

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<b>EMSL Order:</b> 031705024
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-000
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 02/24/2017 10:53 AM <b>Analysis Date:</b> 02/27/2017 <b>Collected Date:</b> 02/22/2017
<b>Project:</b> 2257316087/ CTDCS/ BLDG 12/ VETERANS HOME, ROCKY HILL, CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B12-8A 031705024-0031	BREAKFAST NOOK - GRAY FLOOR TILE	White Non-Fibrous Homogeneous		45% Ca Carbonate 53% Non-fibrous (Other)	2% Chrysotile
022217-B12-8B 031705024-0032	KITCHEN - GRAY FLOOR TILE	White Non-Fibrous Homogeneous		23% Ca Carbonate 75% Non-fibrous (Other)	2% Chrysotile
022217-B12-9A 031705024-0033	BREAKFAST NOOK - BLACK MASTIC FOR GRAY FLOOR TILE	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
022217-B12-9B 031705024-0034	KITCHEN - BLACK MASTIC FOR GRAY FLOOR TILE	Black Non-Fibrous Homogeneous	7% Cellulose	13% Quartz 80% Non-fibrous (Other)	None Detected
022217-B12-10A 031705024-0035	1ST FLOOR BATHROOM - GYPSUM BOARD BEHIND PLASTER	Gray Non-Fibrous Homogeneous	2% Cellulose	60% Gypsum 38% Non-fibrous (Other)	None Detected
022217-B12-10B 031705024-0036	BASEMENT STAIR - GYPSUM BOARD BEHIND PLASTER	Gray Non-Fibrous Homogeneous	5% Cellulose	70% Gypsum 25% Non-fibrous (Other)	None Detected
022217-B12-11A 031705024-0037	1ST FLOOR BATHROOM - 2'X2' PINHOLE FISSURED SUSPENDEED CEILING TILE	Tan Fibrous Homogeneous	50% Cellulose 15% MinWool	25% Perlite 10% Non-fibrous (Other)	None Detected
022217-B12-11B 031705024-0038	1ST FLOOR BATHROOM - 2'X2' PINHOLE FISSURED SUSPENDEED CEILING TILE	Tan Fibrous Homogeneous	45% Cellulose 35% MinWool	15% Perlite 5% Non-fibrous (Other)	None Detected

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Initial report from: 02/27/2017 13:32:59



**EMSL Analytical, Inc.**

307 West 38th Street New York, NY 10018  
Tel/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705024  
**Customer ID:** ATCE54  
**Customer PO:** 17-10133-000  
**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CTDCS/ BLDG 12/ VETERANS HOME, ROCKY HILL, CT


**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/24/2017 10:53 AM  
**Analysis Date:** 02/27/2017  
**Collected Date:** 02/22/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**


Sample Receipt Date: 02/24/2017      Sample Receipt Time: 10:53 AM  
Analysis Completed Date: 02/27/2017      Analysis Completed Time: 11:07 AM

**Analyst(s):**

  
Kamel Alawawda PLM (11)

  
Yolanda Chow PLM (27)

**Samples Reviewed and approved by:**

  
James Hall, Laboratory Manager  
or other approved signatory

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Initial report from: 02/27/2017 13:32:59

031705024



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Wertz Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 2-22-17 Project Manager: F. Fennell

Signature: AM WERTZ Requested Completion Date: \_\_\_\_\_

Lab Name: EMSC Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 5 DY 5 DY No. Samples Collected 38

Building: Bld 12 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Family Room	Plaster wall - skin coat	S				1	022217-B12-1A
Dining Room	"					2	1B
Breakfast nook	"					3	1C
1st Floor Bathroom	"					4	1D
Basement stair	"					5	1E
2nd Floor SE BR	"					6	1F
2nd Floor NW BR	"					7	1G
Family Room	Plaster wall - Base coat					1	2017 FEB 24 AM 10:53 RECEIVED
Dining Room	"					2	2017 FEB 24 AM 10:53 RECEIVED
Breakfast nook	"					3	2017 FEB 24 AM 10:53 RECEIVED
1st Floor Bathroom	"					4	2017 FEB 24 AM 10:53 RECEIVED
Basement stair	"					5	2017 FEB 24 AM 10:53 RECEIVED
2nd Floor SE BR	"					6	2017 FEB 24 AM 10:53 RECEIVED
2nd Floor NW BR	"					7	2017 FEB 24 AM 10:53 RECEIVED

PLM

### Comments:

Notes: \_\_\_\_\_

Damage Factors: \_\_\_\_\_

Disturbance Factors: \_\_\_\_\_

Physical (sig dmg-dmg-no dmg) \_\_\_\_\_

Proximity (<1ft- 1-6ft- >6ft) \_\_\_\_\_

Water (extensive-moderate-slight-none) \_\_\_\_\_

Accessibility (within reach-barely-reachable-not reachable) \_\_\_\_\_

Air conduits (air plenum - air shaft - elevator shaft - duct) \_\_\_\_\_

Deterioration (heavy-moderate-light-none) \_\_\_\_\_

Vibration (gym-auditorium-mechanical rm-elevator-other) \_\_\_\_\_

Air movement (high-moderate-low) \_\_\_\_\_

Relinquished By/Date: AM WERTZ 2-22-17 Received By/Date: \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

Reliability (yes-no; hard-mod-soft surface) \_\_\_\_\_

Barriers (perm airtight-enclosed-encapsulated) \_\_\_\_\_

Texture (rough-pitted-moderate-smooth) \_\_\_\_\_

2/22/17 2:22:17

FX 81099890 2254



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <u>Alisa Werst</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>					
Survey Date: <u>2-22-17</u>		Project Manager: <u>F. Fennell</u>					
Signature: <u>Alisa Werst</u>		Requested Completion Date:					
Lab Name: <u>EMSC</u>		Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR (3 DY) 5 DY					
Building: <u>Bld 17</u>		Address: <u>Veterans Home, Rocky Hill CT</u>					
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Front door closet	Plaster ceiling- skim	S				2	022217-B12-3A
1st Floor Bathroom	coat					5	435
Basement stair	"					3	3C
Basement Family RM	"					4	3D
2nd Floor Hall	"					5	3E
Front door closet	Plaster ceiling- Base					2	2017 FEB 24
1st Floor Bathroom	coat					5	4A
Basement stair	"					3	4B
Basement Family Room	"					4	4C
2nd Floor Hall	"					5	4D
Foyer	Paper under wood floor					2	AM 10:53
2nd Floor NW RR		MISC				2	5A
W/B Break Room	12" X 12" Beige mottled					2	5B
Kitchen	Floor Fil					2	6A
						7	6B

Comments: PCM

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft- 1-6ft- >6ft)

Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)

Relinquished By/Date: Alisa Werst 2-22-17

Relinquished By/Date: Alisa Werst 2-22-17

Received By/Date: Alisa Werst 2/24/17 10:53 AM

Received By/Date: Alisa Werst 2/24/17 10:53 AM

Frailability (yes-no; hard-mod-soft surface)

Barriers (perm airtight-enclosed-encapsulated)

Texture (rough-pitted-moderate-smooth)

S:\BldgSetAdmin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc

**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Werst Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 2-22-17 Project Manager: E. Fennell

Signature: Alisa Werst Requested Completion Date: \_\_\_\_\_

Lab Name: EMSC Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected: 38

Building: Bldg 12 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Breakfast nook	yellow adhesive for 12"x12"	Misc				1	022217-1512-7A
Kitchen	Beige mottled floor tile					2	7B
Breakfast nook	gray floor tile					1	8A
Kitchen						2	8B
Breakfast nook	Black mastic for gray					1	9A
Kitchen	floor tile					2	9B
1st Floor Bathroom	gypsum board behind					1	10A
Basement stairs	plaster					2	10B
1st Floor Bathroom	2' x 2' pinhole fissured					1	11A
"	suspend ceiling tile					2	11B

Comments: PCM

Notes: Friability (yes-no; hard-mod-soft surface)

Damage Factors: Physical (sig dmg-dmg-no dmg) Deterioration (heavy-moderate-light-none)

Disturbance Factors: Proximity (<1ft- 1-6ft- >6ft) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)

Ventilation (yes-no; if yes, type) Air movement (high-moderate-low)

Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum- air shaft- elevator shaft- duct)

Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alisa Werst 2-22-17 Received By/Date: \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

Stamp: RECEIVED 2017 FEB 21 AM 10:53



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705660
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/03/2017 11:02 AM  
**Analysis Date:** 03/04/2017 - 03/05/2017  
**Collected Date:** 03/02/2017

**Project:** 2257316087/ VETERANS HOME, ROCKY HILL, CT/ BLDG 12

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030217-B12-1A 031705660-0001	BASEMENT STAIR - PLASTER CEILING- SKIM COAT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
030217-B12-1B 031705660-0002	FAMILY ROOM - PLASTER CEILING- SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 57% Non-fibrous (Other)	3% Chrysotile
Inseparable paint / coating layer included in analysis					
030217-B12-1C 031705660-0003	FAMILY ROOM - PLASTER CEILING- SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 50% Non-fibrous (Other)	5% Chrysotile
030217-B12-2A 031705660-0004	BASEMENT STAIR - PLASTER CEILING- BASE COAT	Brown Non-Fibrous Homogeneous	2% Hair	45% Quartz 38% Gypsum 15% Non-fibrous (Other)	None Detected
030217-B12-2B 031705660-0005	FAMILY ROOM - PLASTER CEILING- BASE COAT	Brown Non-Fibrous Homogeneous	<1% Hair	44% Quartz 40% Gypsum 16% Non-fibrous (Other)	None Detected
030217-B12-2C 031705660-0006	FAMILY ROOM - PLASTER CEILING- BASE COAT	Gray Non-Fibrous Homogeneous		45% Gypsum 55% Non-fibrous (Other)	None Detected
030217-B12-3A 031705660-0007	BEDROOM 1 - PLASTER CEILING- SKIM COAT	White Non-Fibrous Homogeneous		57% Ca Carbonate 43% Non-fibrous (Other)	None Detected
030217-B12-3B 031705660-0008	BEDROOM 3 - PLASTER CEILING- SKIM COAT	White Non-Fibrous Homogeneous		56% Ca Carbonate 44% Non-fibrous (Other)	None Detected
030217-B12-3C 031705660-0009	BEDROOM 2 - PLASTER CEILING- SKIM COAT	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
030217-B12-4A 031705660-0010	BEDROOM 1 - PLASTER CEILING- BASE COAT	Brown Non-Fibrous Homogeneous		42% Quartz 30% Gypsum 28% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/05/2017 05:48:18





# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705660
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 03/03/2017 11:02 AM <b>Analysis Date:</b> 03/04/2017 - 03/05/2017 <b>Collected Date:</b> 03/02/2017
<b>Project:</b> 2257316087/ VETERANS HOME, ROCKY HILL, CT/ BLDG 12	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030217-B12-4B 031705660-0011	BEDROOM 3 - PLASTER CEILING- BASE COAT	Brown Non-Fibrous Homogeneous		55% Quartz 30% Gypsum 15% Non-fibrous (Other)	None Detected
030217-B12-4C 031705660-0012	BEDROOM 2 - PLASTER CEILING- BASE COAT	Gray Non-Fibrous Homogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (Other)	None Detected
030217-B12-5A 031705660-0013	2ND FLOOR AT HATCH - PLASTER CEILING- SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 46% Non-fibrous (Other)	None Detected
030217-B12-5B 031705660-0014	2ND FLOOR AT HATCH - PLASTER CEILING- SKIM COAT	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
030217-B12-6A 031705660-0015	2ND FLOOR AT HATCH - PLASTER CEILING- BASE COAT	Brown Non-Fibrous Homogeneous	<1% Hair	45% Quartz 40% Gypsum 15% Non-fibrous (Other)	None Detected
030217-B12-6B 031705660-0016	2ND FLOOR AT HATCH - PLASTER CEILING- BASE COAT	Gray Non-Fibrous Homogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/05/2017 05:48:18



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705660
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>


<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826
<b>Project:</b> 2257316087/ VETERANS HOME, ROCKY HILL, CT/ BLDG 12	<b>Received Date:</b> 03/03/2017 11:02 AM <b>Analysis Date:</b> 03/04/2017 - 03/05/2017 <b>Collected Date:</b> 03/02/2017


The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:


Sample Receipt Date:	03/03/2017	Sample Receipt Time:	11:02 AM
Analysis Completed Date:	03/05/2017	Analysis Completed Time:	3:16 AM

### Analyst(s):

  
 Emmanuel Moise PLM (10)

  
 Ghaly Hemaya PLM (6)

### Samples Reviewed and approved by:

  
 James Hall, Laboratory Manager  
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/05/2017 05:48:18



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031705660

Cardno	ATC Inspector:	Client Name:	Requested Completion Date:					No. Samples Collected		Field Number
	Alisa Werst	CTDCS	3 HR	6 HR	24 HR	48 HR	3 DY	5 DY	16	
Accreditation No.:	736	Project No./Task No.:	2257316087							
Survey Date:	3-2-17	Project Manager:	F. Fennell							
Signature:	Alisa Werst	Requested Completion Date:								
Lab Name:	EMSL	Requested turnaround time (circle):	3 HR	6 HR	24 HR	48 HR	3 DY	5 DY	No. Samples Collected	16
Building:	Bld 12	Address:	Veterans Home, Rocky Hill CT							
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number			
Basement stairs	Plaster ceiling - skim coat	S				2	3	030217-B12-1A		
Family Room	"					3		1B		
Family Room	"					3		1C		
Basement stair	Plaster ceiling - Base coat					2	3	2A		
Family Room	"					3		2B		
Family Room	"					3		2C		
Bed Room 1	Plaster ceiling - SKIM coat					2	3	3A		
Bed Room 2	"					3		3B		
Bed Room 3	"					3		3C		
Bed Room 1	Plaster ceiling Base coat					1	3	4A		
Bed Room 2	"					2	3	4B		
Bed Room 3	"					3		4C		

RECEIVED  
17 MAR -3  
11:02 AM

Comments: PLM (9AM)

Notes:  
 Damage Factors: Friability (yes-no; hard-mod-soft surface)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft)  
 Ventilation (yes-no/yes, type)  
 Water (extensive-moderate-slight none)  
 Accessibility (within reach-barely reachable-not-reachable)  
 Air conduits (air plenum - air shaft - elevator shaft)  
 Deterioration (heavy-moderate-light-none)  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)  
 Air movement (high-moderate-low)  
 Barriers (porm airtight-enclosed-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

Received By/Date: Nicole S. Zapp 3/3/17  
 Received By/Date: ERM 3/4/17

Fx 8109 2890 2232



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

031705660

Cardno ATC Inspector: Aiisa West Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 3-2-17 Project Manager: F. Fennell

Signature: Aiisa West Requested Completion Date:

Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected: 16

Building: Bld 12 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
<u>2nd Floor at Hotel</u>	<u>Plaster ceiling skim</u>	<u>S</u>				<u>1</u>	<u>030217-B12-SA</u>
<u>↓</u>	<u>coat</u>					<u>2</u>	<u>SB</u>
<u>↓</u>	<u>Plaster ceiling Base</u>	<u>↓</u>				<u>1</u>	<u>GA</u>
	<u>coat</u>					<u>2</u>	<u>GB</u>

EMSL MANHATTAN LAB RECEIVED  
17 MAR -3 AM 11:02

### Comments:

PCM

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft- 1-6ft->6ft) Ventilation (yes-no; if yes, type) air plenum - air shaft - elevators shafts

Water (extensive-moderate-slight- none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevators shafts)

Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)

Effability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Aiisa West

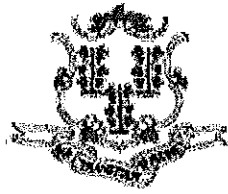
Relinquished By/Date: Nicole S. Fennell

Received By/Date: 3/14/17

Received By/Date: Nicole S. Fennell 3/5/17 11:02 AM

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

Certificate Number

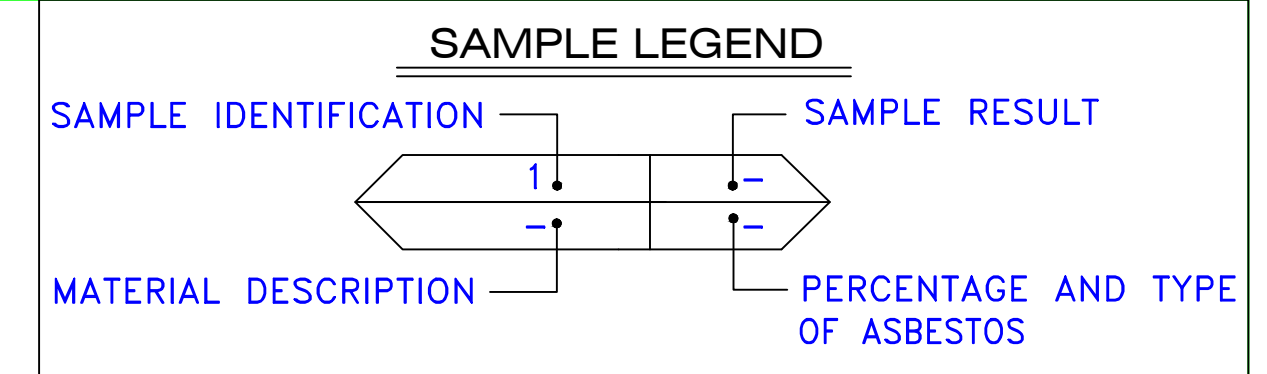
October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**



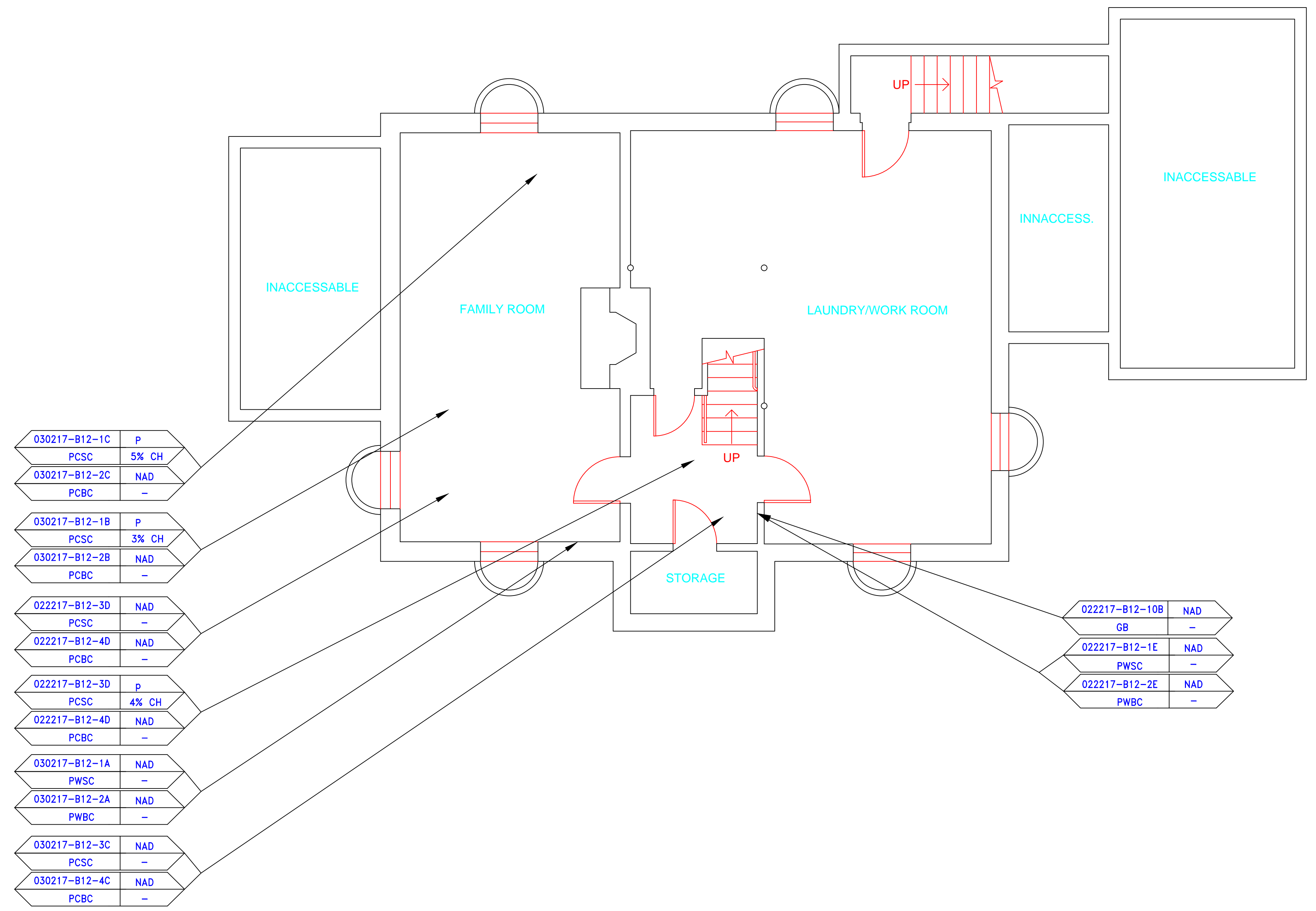




AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSTOLE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSTUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

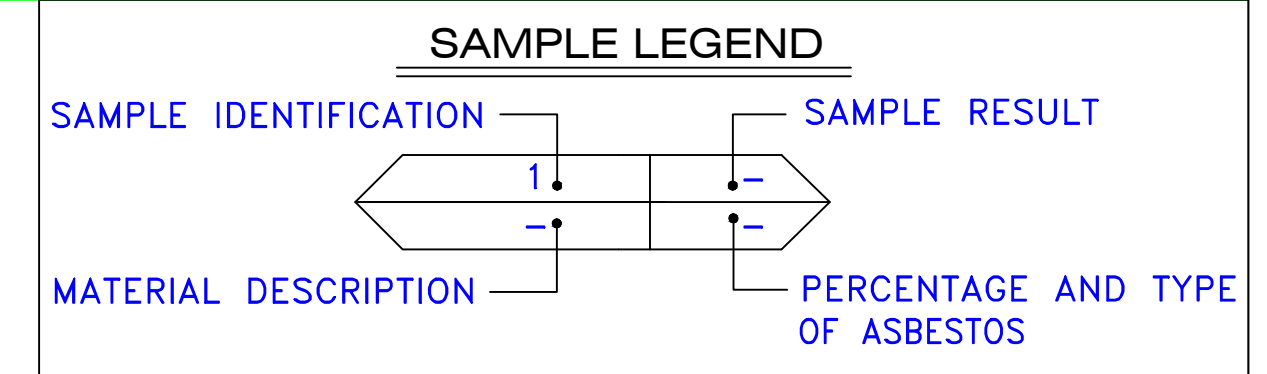
**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING



030217-B12-1C	P	5% CH
PCSC		
030217-B12-2C	NAD	
PCBC		
030217-B12-1B	P	3% CH
PCSC		
030217-B12-2B	NAD	
PCBC		
022217-B12-3D	NAD	
PCSC		
022217-B12-4D	NAD	
PCBC		
022217-B12-3D	P	4% CH
PCSC		
022217-B12-4D	NAD	
PCBC		
030217-B12-1A	NAD	
PWSC		
030217-B12-2A	NAD	
PWBC		
030217-B12-3C	NAD	
PCSC		
030217-B12-4C	NAD	
PCBC		

022217-B12-10B	NAD
GB	
022217-B12-1E	NAD
PWSC	
022217-B12-2E	NAD
PWBC	

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>SAMPLE LOCATION BASEMENT PLAN</b>		<b>ATC</b>	
REVISIONS		3/17/17	
mark	date	description	SCALE: 1/4" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-BA
CAD no.	project no.	2257316087	

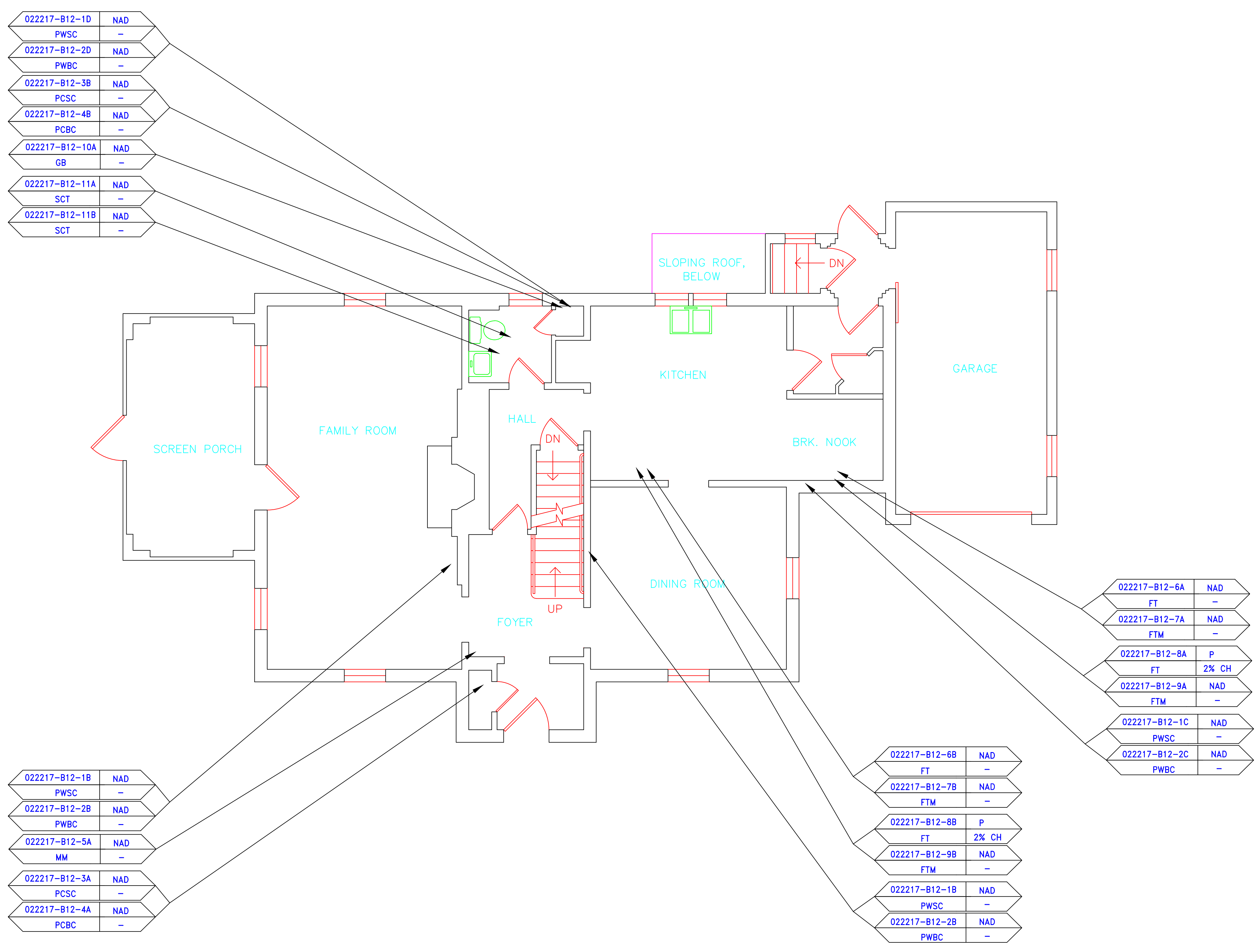


AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CTG	=	CERAMIC FLOOR TILE GROUT
CTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
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PM	=	PIPE MASTIC
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PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

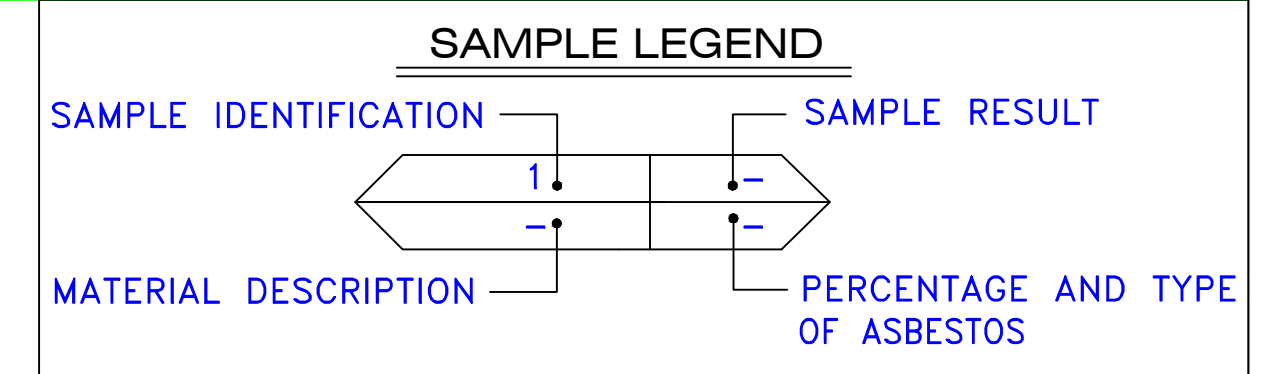
SYMBOL	MATERIAL DESCRIPTION
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	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
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	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

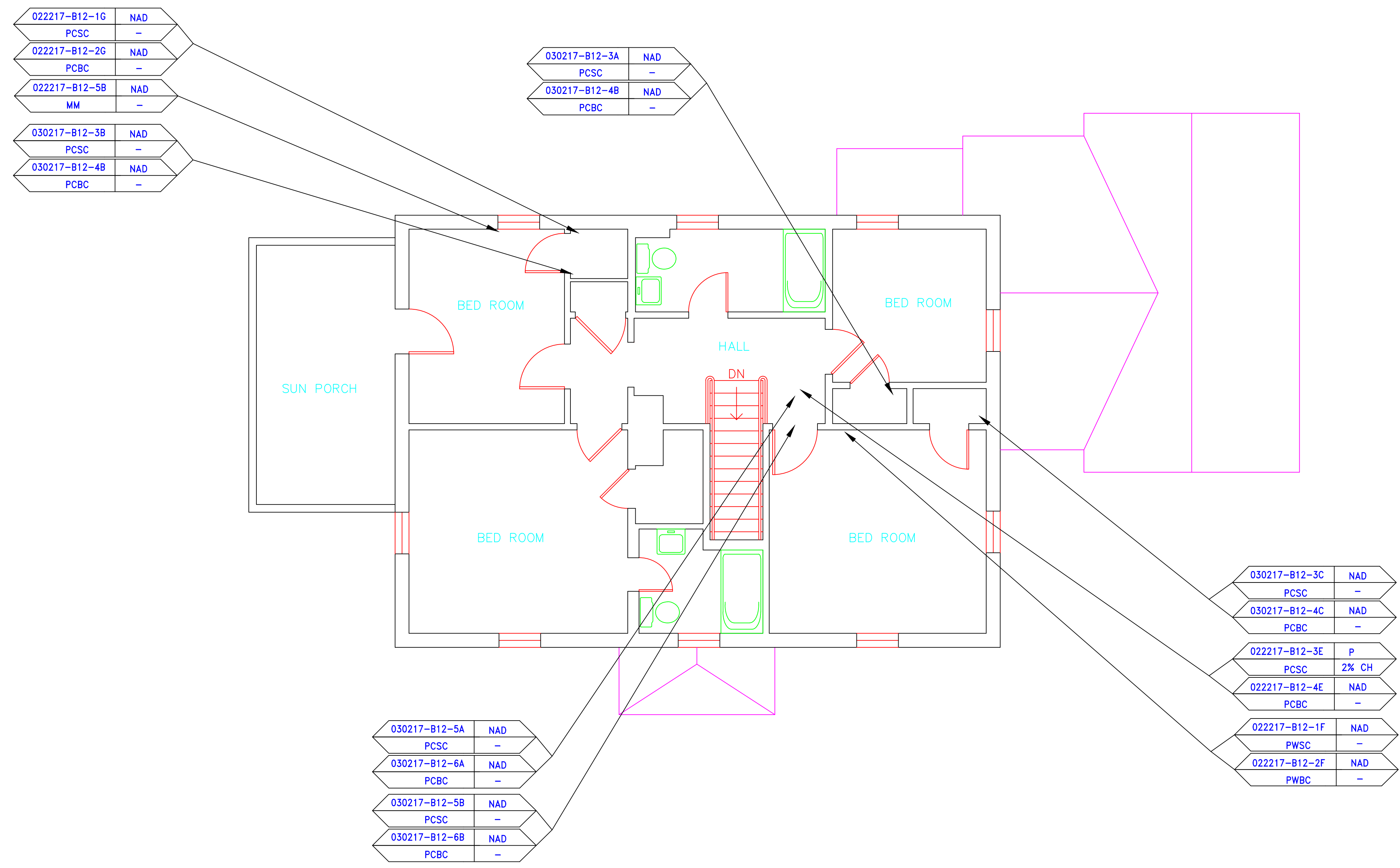
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 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING



drawing title <b>SAMPLE LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 12 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no.	2257316087
drawing no.		approved by	ASB-1A
		drawn by	AMW
		approved by	EF



AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
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CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
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CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
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DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
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EFJ	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
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GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
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NAD	=	NO ASBESTOS DETECTED
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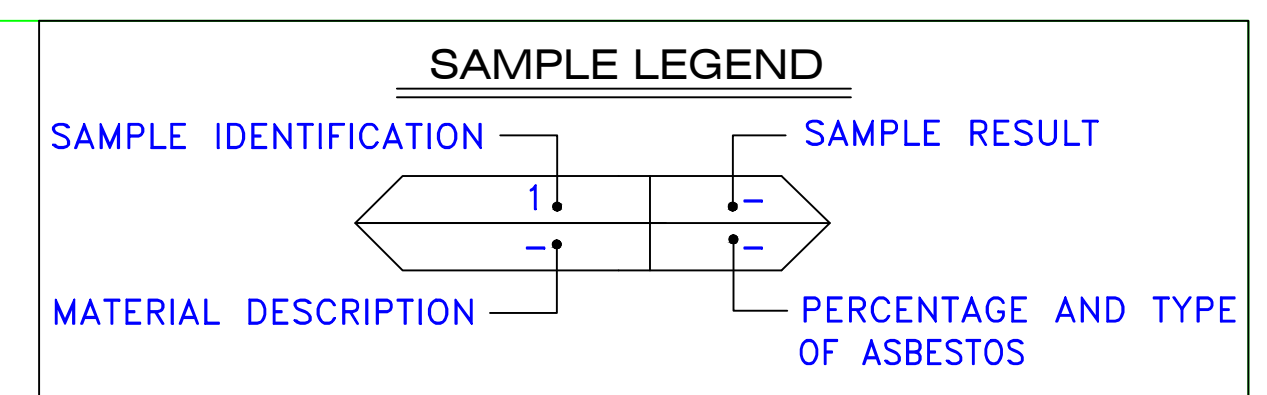
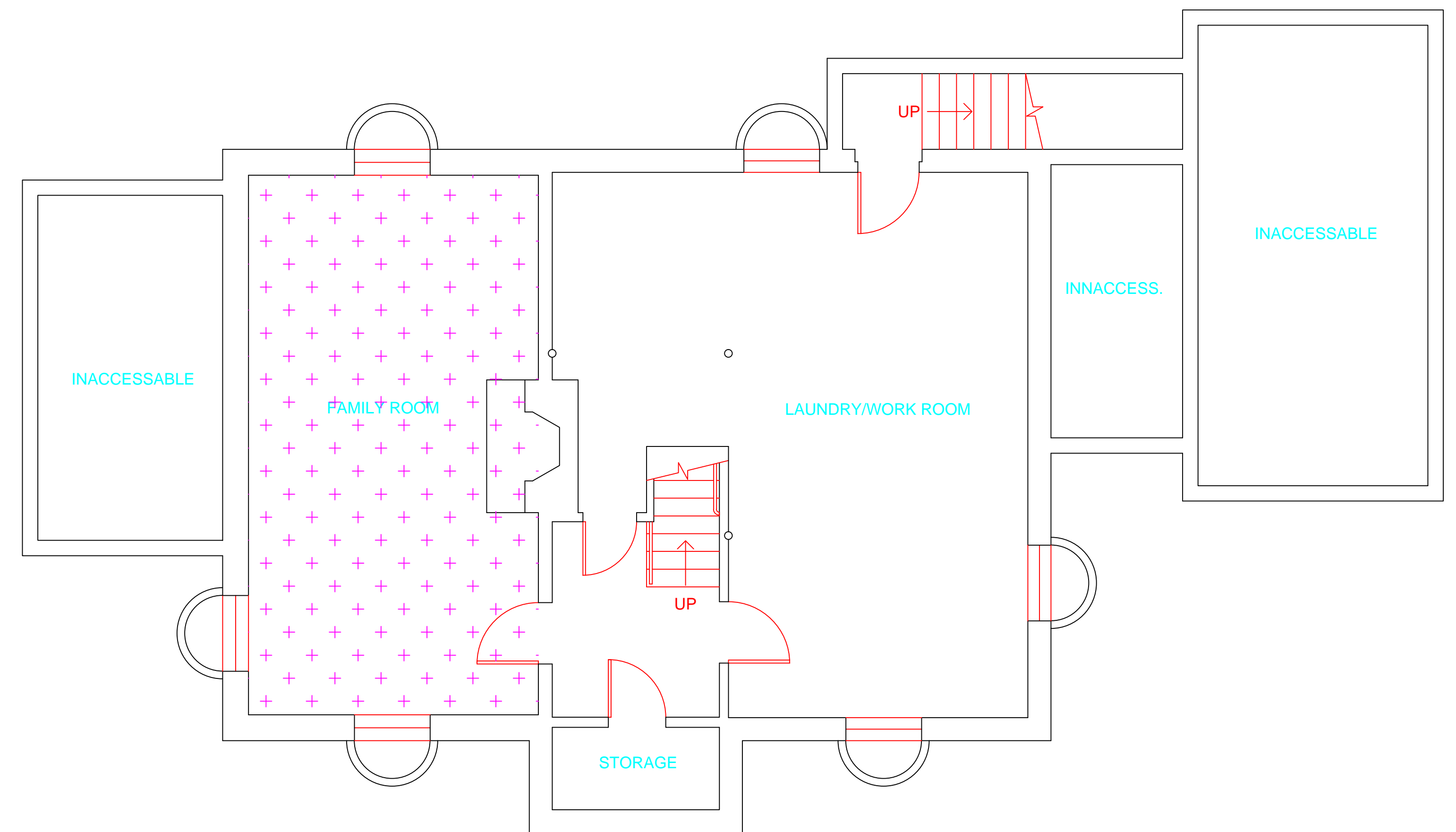
SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING

-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION SECOND FLOOR PLAN		ATC 200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Tel: 860-405-2000	
REVISIONS		3/17/17	
mark	date	description	SCALE: 1/4" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-2A
CAD no.	project no.	2257316087	



- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
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- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
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- DC = DOOR CAULKING
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- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
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- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE FITTING INSULATION
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- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
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- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
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- TR = TRACE
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- WC = WINDOW CAULKING
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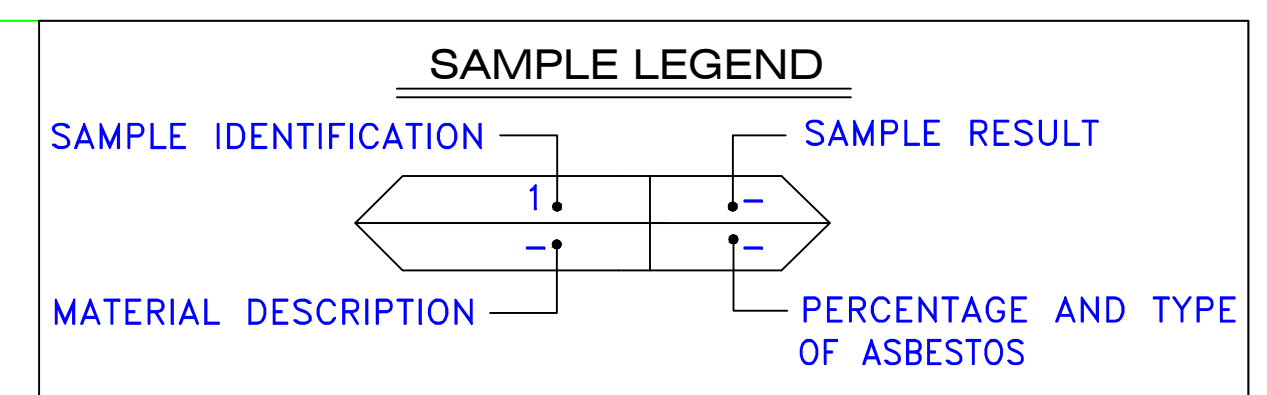
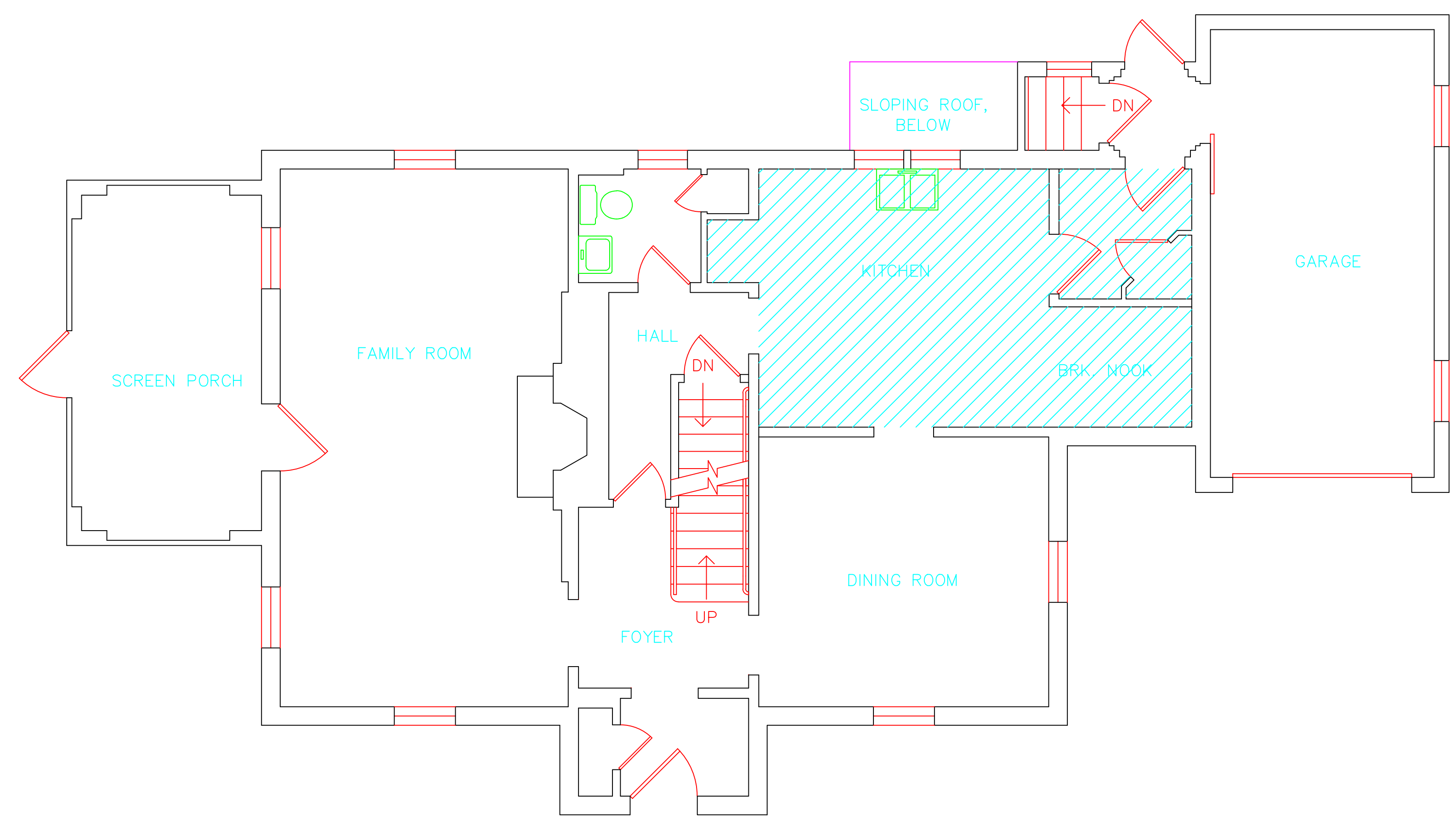
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	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATION BASEMENT PLAN		3/17/17	
R E V I S I O N S			
mark	date	description	date
project		 <small>200 Roberts Street • Suite 301 Rocky Hill, CT 06067 Tel: 860-261-1234</small>	
project		BUILDING INSPECTION RESIDENCE BUILDING 12 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	
drawing no.		ASB-BB	
CAD no.		project no. 2257316087	



- AM = AMOSITE
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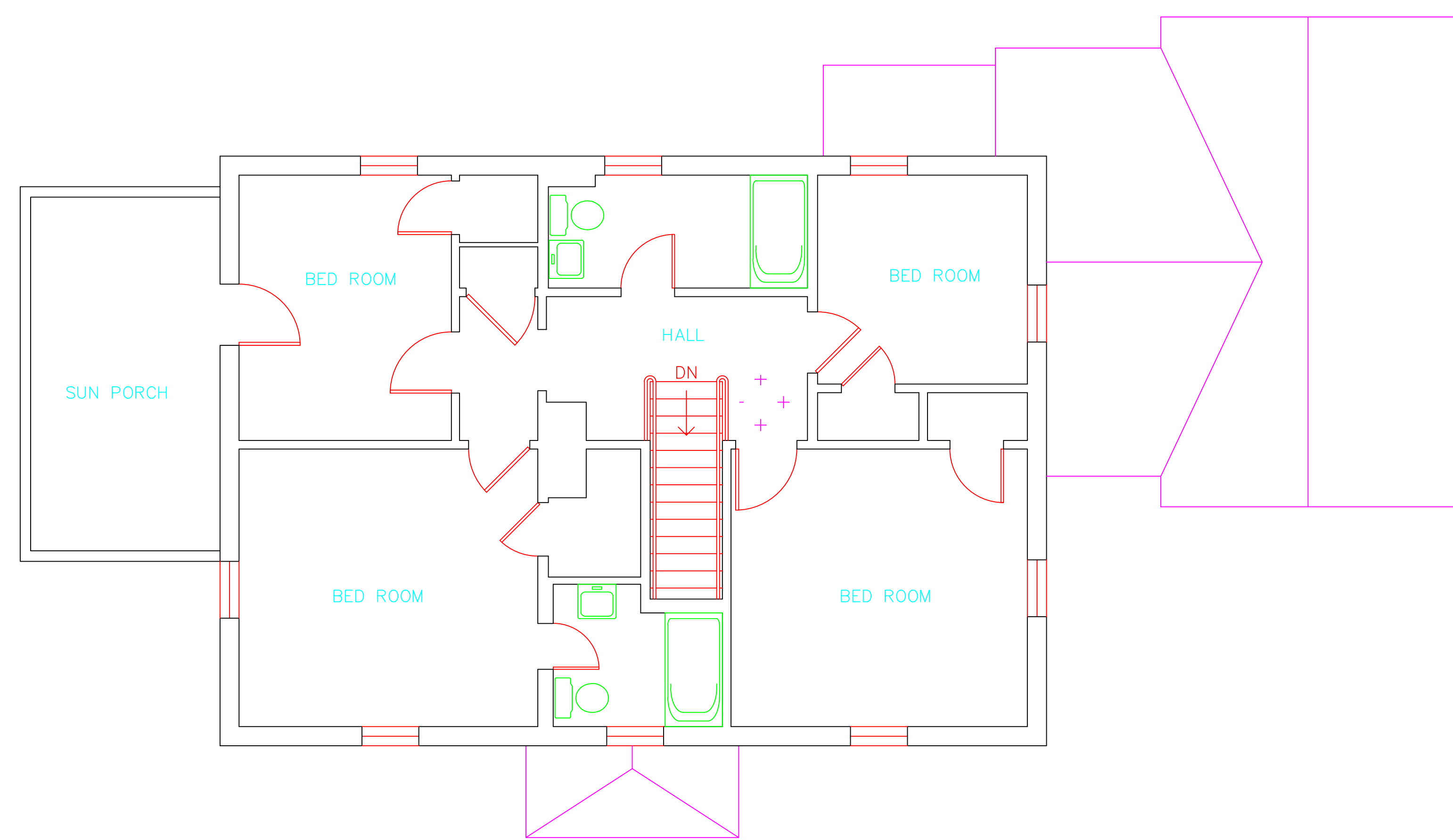
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	DOUBLE LAYER FLOORING

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drawing title <b>ACM LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 East Windsor, CT 06026 Phone: 860-405-2000</small>	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 12 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no. 2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-1B



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>ACM LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 200 Roberts Street - Suite 301 East Windsor, CT 06026 Telephone: 860-255-3200 Fax: 860-255-3201	
mark	date description		
project		BUILDING INSPECTION RESIDENCE BUILDING 12 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	date 3/17/17 SCALE 1/4" = 1' drawn by AMW approved by EF drawing no. ASB-2B
CAD no.	project no.	2257316087	

---

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 13  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53728  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Residence, Building 13, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



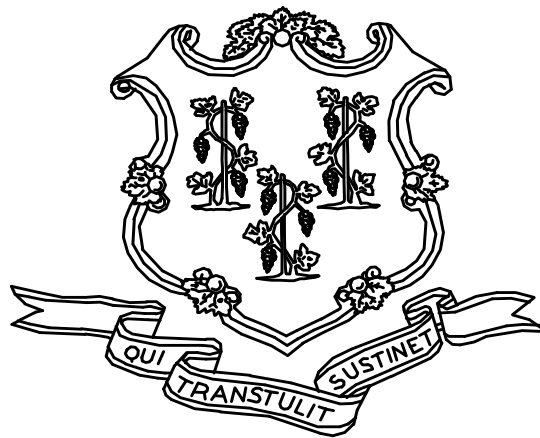
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Edward P. Fennell Jr., P.E.  
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For ATC Group Services LLC  
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Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 13  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53728  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**



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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Residence, Building 13 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 22, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: plaster ceiling, plaster wall, floor tile and associated mastic, sheet flooring and associated adhesive, cove base and associated adhesive, paper under wood floor, ceiling textured ceiling paint, fiber board and gypsum board.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Red Flooring

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall-Skim Coat
- Plaster Ceiling-Base Coat
- Gypsum Board Ceiling
- Gypsum Board Behind Plaster
- Gypsum Board Wall
- Fiber Board Wall
- Beige Square Sheet Floor
- Adhesive for Beige Square Sheet Floor
- Adhesive for Red Flooring
- Textured Ceiling Paint
- Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 13- RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022217-B13-1A	Basement	Plaster Wall - Skim Coat	ND	
022217-B13-1B	Kitchen	Plaster Wall - Skim Coat	ND	
022217-B13-1C	Living Room	Plaster Wall - Skim Coat	ND	
022217-B13-1D	Foyer	Plaster Wall - Skim Coat	ND	
022217-B13-1E	Bedroom 4	Plaster Wall - Skim Coat	ND	
022217-B13-1F	Bedroom 3	Plaster Wall - Skim Coat	ND	
022217-B13-1G	2nd Floor Bathroom Chase	Plaster Wall - Skim Coat	ND	
022217-B13-2A	Basement	Plaster Wall - Base Coat	ND	
022217-B13-2B	Kitchen	Plaster Wall - Base Coat	ND	
022217-B13-2C	Living Room	Plaster Wall - Base Coat	ND	
022217-B13-2D	Foyer	Plaster Wall - Base Coat	ND	
022217-B13-2E	Bedroom 4	Plaster Wall - Base Coat	ND	
022217-B13-2F	Bedroom 3	Plaster Wall - Base Coat	ND	
022217-B13-2G	2nd Floor Bathroom Chase	Plaster Wall - Base Coat	ND	
022217-B13-3A	1st Floor Closet	Plaster Ceiling - Skim Coat	ND	
022217-B13-3B	Bedroom 1	Plaster Ceiling - Skim Coat	ND	
022217-B13-3C	Bedroom 4	Plaster Ceiling - Skim Coat	ND	
022217-B13-3D	Bedroom 3	Plaster Ceiling - Skim Coat	ND	
022217-B13-3E	Bedroom 4	Plaster Ceiling - Skim Coat	ND	
022217-B13-4A	1st Floor Closet	Plaster Ceiling - Base Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 13- RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022217-B13-4B	Bedroom 1	Plaster Ceiling - Base Coat	ND	
022217-B13-4C	Bedroom 4	Plaster Ceiling - Base Coat	ND	
022217-B13-4D	Bedroom 3	Plaster Ceiling - Base Coat	ND	
022217-B13-4E	Bedroom 4	Plaster Ceiling - Base Coat	ND	
022217-B13-5A	Basement	Gypsum Board Ceiling	ND	
022217-B13-5B	Basement	Gypsum Board Ceiling	ND	
022217-B13-6A	Basement	Fiber Board Wall	ND	
022217-B13-6B	Basement	Fiber Board Wall	ND	
022217-B13-7A	Breakfast Room	Beige Square Sheet Floor	ND	
022217-B13-7B	1st Floor Bath Room	Beige Square Sheet Floor	ND	
022217-B13-8A	Breakfast Room	Adhesive For Beige Square Sheet Floor	ND	
022217-B13-8B	1st Floor Bath Room	Adhesive For Beige Square Sheet Floor	ND	
<b>022217-B13-9A</b>	<b>Breakfast Room</b>	<b>Red Flooring</b>	<b>12</b>	<b>Chrysotile</b>
<b>022217-B13-9B</b>	<b>Breakfast Room</b>	<b>Red Flooring</b>	<b>10</b>	<b>Chrysotile</b>
022217-B13-10A	Breakfast Room	Adhesive for Red Flooring	ND	
022217-B13-10B	Breakfast Room	Adhesive for Red Flooring	ND	
022217-B13-11A	Foyer	Textured Ceiling Paint	ND	
022217-B13-11B	Foyer	Textured Ceiling Paint	ND	
022217-B13-11C	Living Room	Textured Ceiling Paint	ND	
022217-B13-12A	Dining Room	Paper Under Wood Floor	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 13- RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022217-B13-12B	Bedroom 4	Paper Under Wood Floor	ND	
022217-B13-13A	Bedroom 3	Gypsum Board Behind Plaster	ND	
022217-B13-13B	Bedroom 3	Gypsum Board Behind Plaster	ND	

ND = None Detected



**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705030
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/24/2017 10:50 AM  
**Analysis Date:** 02/27/2017  
**Collected Date:** 02/22/2017

**Project:** 2257316087/ CTDCS/ BLD 13/ VETERANS HOME, ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B13-1A 031705030-0001	BASEMENT - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		56% Ca Carbonate 44% Non-fibrous (Other)	None Detected
022217-B13-1B 031705030-0002	KITCHEN - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022217-B13-1C 031705030-0003	LIVING ROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		56% Ca Carbonate 18% Gypsum 26% Non-fibrous (Other)	None Detected
022217-B13-1D 031705030-0004	FOYER - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		55% Ca Carbonate 16% Gypsum 29% Non-fibrous (Other)	None Detected
022217-B13-1E 031705030-0005	BEDROOM 4 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		58% Ca Carbonate 42% Non-fibrous (Other)	None Detected
022217-B13-1F 031705030-0006	BEDROOM 3 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		55% Ca Carbonate 13% Gypsum 32% Non-fibrous (Other)	None Detected
022217-B13-1G 031705030-0007	2ND FLOOR BATH CHASE - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
022217-B13-2A 031705030-0008	BASEMENT - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		30% Quartz 44% Gypsum 26% Non-fibrous (Other)	None Detected
022217-B13-2B 031705030-0009	KITCHEN - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		23% Quartz 12% Ca Carbonate 44% Gypsum 21% Non-fibrous (Other)	None Detected
022217-B13-2C 031705030-0010	LIVING ROOM - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		30% Quartz 40% Gypsum 30% Non-fibrous (Other)	None Detected

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Initial report from: 02/27/2017 11:48:20



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

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**EMSL Order:** 031705030

**Customer ID:** ATCE54

**Customer PO:** 17-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 02/24/2017 10:50 AM

**Analysis Date:** 02/27/2017

**Collected Date:** 02/22/2017

**Project:** 2257316087/ CTDCS/ BLD 13/ VETERANS HOME, ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B13-2D 031705030-0011	FOYER - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		28% Quartz 8% Ca Carbonate 40% Gypsum 24% Non-fibrous (Other)	None Detected
022217-B13-2E 031705030-0012	BEDROOM 4 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		26% Quartz 10% Ca Carbonate 44% Gypsum 20% Non-fibrous (Other)	None Detected
022217-B13-2F 031705030-0013	BEDROOM 3 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		44% Quartz 15% Ca Carbonate 41% Non-fibrous (Other)	None Detected
022217-B13-2G 031705030-0014	2ND FLOOR BATH CHASE - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		50% Quartz 30% Gypsum 20% Non-fibrous (Other)	None Detected
022217-B13-3A 031705030-0015	1ST FLOOR CLOSET - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		48% Ca Carbonate 52% Non-fibrous (Other)	None Detected
022217-B13-3B 031705030-0016	BEDROOM 1 - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		56% Ca Carbonate 44% Non-fibrous (Other)	None Detected
022217-B13-3C 031705030-0017	BEDROOM 4 - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022217-B13-3D 031705030-0018	BEDROOM 3 - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		67% Ca Carbonate 33% Non-fibrous (Other)	None Detected
022217-B13-3E 031705030-0019	BEDROOM 4 - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
022217-B13-4A 031705030-0020	1ST FLOOR CLOSET - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		30% Quartz 44% Gypsum 26% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Initial report from: 02/27/2017 11:48:20



# EMSL Analytical, Inc.

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 ATC Group Services LLC  
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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B13-4B 031705030-0021	BEDROOM 1 - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		25% Quartz 50% Gypsum 25% Non-fibrous (Other)	None Detected
022217-B13-4C 031705030-0022	BEDROOM 4 - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		25% Quartz 50% Gypsum 25% Non-fibrous (Other)	None Detected
022217-B13-4D 031705030-0023	BEDROOM 3 - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		32% Quartz 44% Gypsum 24% Non-fibrous (Other)	None Detected
022217-B13-4E 031705030-0024	BEDROOM 4 - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		40% Quartz 25% Gypsum 35% Non-fibrous (Other)	None Detected
022217-B13-5A 031705030-0025	BASEMENT - GYPSUM BOARD CEILING	Gray Non-Fibrous Homogeneous	8% Cellulose	70% Gypsum 22% Non-fibrous (Other)	None Detected
022217-B13-5B 031705030-0026	BASEMENT - GYPSUM BOARD CEILING	Brown/Gray Non-Fibrous Homogeneous	10% Cellulose	50% Gypsum 40% Non-fibrous (Other)	None Detected
022217-B13-6A 031705030-0027	BASEMENT - FIBER BOARD WALL	Brown/White Fibrous Homogeneous	78% Cellulose	22% Non-fibrous (Other)	None Detected
022217-B13-6B 031705030-0028	BASEMENT - FIBER BOARD WALL	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
022217-B13-7A 031705030-0029	BREAKFAST ROOM - BEIGE SQUARE SHEET FLOOR	Gray Fibrous Homogeneous	44% Cellulose 17% Glass	39% Non-fibrous (Other)	None Detected
022217-B13-7B 031705030-0030	1ST FLOOR BATH ROOM - BEIGE SQUARE SHEET FLOOR	Brown/White Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected

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Initial report from: 02/27/2017 11:48:20



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705030
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/24/2017 10:50 AM  
**Analysis Date:** 02/27/2017  
**Collected Date:** 02/22/2017

**Project:** 2257316087/ CTDCS/ BLD 13/ VETERANS HOME, ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B13-8A 031705030-0031	BREAKFAST ROOM - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Beige Non-Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (Other)	None Detected
022217-B13-8B 031705030-0032	1ST FLOOR BATH ROOM - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Yellow Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
022217-B13-9A 031705030-0033	BREAKFAST ROOM - RED FLOORING	Gray/Red Fibrous Homogeneous	15% Cellulose	73% Non-fibrous (Other)	12% Chrysotile
022217-B13-9B 031705030-0034	BREAKFAST ROOM - RED FLOORING	Tan/Red Non-Fibrous Heterogeneous		45% Ca Carbonate 45% Non-fibrous (Other)	10% Chrysotile
022217-B13-10A 031705030-0035	BREAKFAST ROOM - ADHESIVE FOR RED FLOORING	Brown Non-Fibrous Homogeneous	5% Cellulose 2% Hair	93% Non-fibrous (Other)	None Detected
022217-B13-10B 031705030-0036	BREAKFAST ROOM - ADHESIVE FOR RED FLOORING	Brown/Yellow Non-Fibrous Homogeneous	5% Cellulose	15% Ca Carbonate 80% Non-fibrous (Other)	None Detected
022217-B13-11A 031705030-0037	FOYER - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		47% Ca Carbonate 53% Non-fibrous (Other)	None Detected
022217-B13-11B 031705030-0038	FOYER - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
022217-B13-11C 031705030-0039	LIVING ROOM - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
022217-B13-12A 031705030-0040	DINING ROOM - PAPER UNDER WOOD FLOOR	Brown Fibrous Homogeneous	77% Cellulose	23% Non-fibrous (Other)	None Detected

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Initial report from: 02/27/2017 11:48:20



# EMSL Analytical, Inc.

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Tel/Fax: (212) 290-0051 / (212) 290-0058

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<b>EMSL Order:</b> 031705030
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 02/24/2017 10:50 AM <b>Analysis Date:</b> 02/27/2017 <b>Collected Date:</b> 02/22/2017
<b>Project:</b> 2257316087/ CTDCS/ BLD 13/ VETERANS HOME, ROCKY HILL, CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022217-B13-12B 031705030-0041	BEDROOM 4 - PAPER UNDER WOOD FLOOR	Brown/Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
022217-B13-13A 031705030-0042	BEDROOM 3 - GYPSUM BOARD BEHIND PLASTER	Gray Non-Fibrous Homogeneous	6% Cellulose	78% Gypsum 16% Non-fibrous (Other)	None Detected
022217-B13-13B 031705030-0043	BEDROOM 3 - GYPSUM BOARD BEHIND PLASTER	Brown Non-Fibrous Homogeneous	8% Cellulose	60% Gypsum 32% Non-fibrous (Other)	None Detected

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Initial report from: 02/27/2017 11:48:20



**EMSL Analytical, Inc.**

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**Customer ID:** ATCE54  
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**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CTDCS/ BLD 13/ VETERANS HOME, ROCKY HILL, CT

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/24/2017 10:50 AM  
**Analysis Date:** 02/27/2017  
**Collected Date:** 02/22/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 02/24/2017      Sample Receipt Time: 10:50 AM  
Analysis Completed Date: 02/27/2017      Analysis Completed Time: 5:45 AM

**Analyst(s):**

Deen Liang PLM (30)

Yolanda Chow PLM (13)

**Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

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Initial report from: 02/27/2017 11:48:20



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <u>Alisa Werst</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>					
Survey Date: <u>2-22-17</u>		Project Manager: <u>E. Fennell</u>					
Signature: <u>Alisa Werst</u>		Requested Completion Date:					
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR <u>3 DY</u> 5 DY					
Building: <u>Bldg 13</u>		Address: <u>Veterians Home, Rocky Hill CT</u>					
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Basement Kitchen	Plaster Wall - skim coat	S				1 2 7	022217-813-1A
Living Room Foyer	"					3 4	1B
Bedroom 4 Bedroom 3	"					5 6	1C
2nd Floor Bath chest	"					7	1D
Basement 4 Kitchen	Plaster Wall - Base coat					1 2 7	2017 FEB 24 AM 10:50 RECEIVED
Living Room Foyer	"					3 4	2A 2B 2C 2D
Bedroom 4 Bedroom 3	"					5 6 7	2E 2F
2nd Floor Bath chest	"						2g

Comments: PLAN

Notes:

Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Deformation (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)

Disturbance Factors: Proximity (<4ft- 4-6ft- >6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Barriers (perm airtight-enclosed-encapsulated) Ventilation (yes-no; if yes, type) Air movement (high-moderate-low) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (rough-plited-moderate-smooth)

Relinquished By/Date: Alisa Werst 2-22-17 Received By/Date: Jan 2/24/17 10:50AM

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

71981099890 2274



14



**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <u>Alisa Werst</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>					
Survey Date: <u>2-22-17</u>		Project Manager: <u>F. Fennell</u>					
Signature: <u>Alisa Werst</u>		Requested Completion Date:					
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR (3 DY) 5 DY					
Building: <u>Bld 13</u>		Address: <u>Veterans Home, Rocky Hill CT</u>					
Location	Material Description	Type TSI MISC	Estimated Quantity	Fiabile Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
1st Floor closet	Plaster ceiling - 5KIM	S				2	022217-B13-3A
Bedroom 1	"	"				3	3B
4	"	"				4	3C
3	"	"				5	3D
4	"	"					3E
1st Floor closet	Plaster ceiling - BASE					2	2017 FEB 24 AM 10:50
Bedroom 1	ceiling					3	34A
4	"					4	34B
3	"					5	34C
4	"						34D
	"						34E
Basement	gypsum board					2	35A
	ceiling					1	35B
	Fiber board wall					2	36A
						2	36B

PLM

Comments:

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not-reachable) Air circulation (air plenum - air shaft - elevator shaft - duct)

Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Ventilation (yes/no; type)

Relinquished By/Date: Alisa Werst 2-22-17

Relinquished By/Date: Alisa Werst 2/24/17 10:50 AM

Received By/Date: \_\_\_\_\_

Received By/Date: \_\_\_\_\_

Friability (yes-no; hard-mod-soft surface)

Barriers (perm airtight-enclosed-encapsulated)

Texture (rough-plied-moderate-smooth)

S:\BldgSci\Admin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

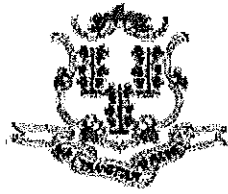
Cardno ATC Inspector: <u>Alisa Werst</u>	Client Name: <u>CTDCS</u>						
Accreditation No.: <u>736</u>	Project No./Task No.: <u>2257316087</u>						
Survey Date: <u>2-22-17</u>	Project Manager: <u>E. Fennell</u>						
Signature: <u>Alisa Werst</u>	Requested Completion Date:						
Lab Name: <u>EMSC</u>	Requested turnaround time (circle) <u>3 HR</u> 6 HR 24 HR 48 HR 3DY 5 DY	No. Samples Collected <u>43</u>					
Building: <u>Blod 13</u>	Address: <u>Veterans Home, Rocky Hill CT</u>						
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Breakfast Room	Beige square sheet	Misc				2	072217-813-7A
1st Floor Bath Room	Floor					2	7B
Breakfast Room	adhesive for Beige					2	8A
1st Floor Bath Room	square sheet Floor					2	8B
Breakfast Room	Red Flooring					2	9A
"						2	9B
"	adhesive for Red Flooring					2	10A
"						2	10B
Forster Room	Textured ceiling paint	S				3	11A
Breakfast Room	"	S				3	11B
Living Room	"	S				3	11C
Dining Room	Paper under wood floor	Misc				2	12A
Bedroom 4						2	12B
Bedroom 3	gypsum board behind plaster					2	13A
"						2	13B

Comments: PCM

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water: (extensive-moderate-slight-none)  
 Proximity (<1ft - +6ft - >6ft) Accessibility (within reach-barely-reachable-not reachable)  
 Disturbance Factors: Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct)  
 Relinquished By/Date: Alisa Werst 2-22-17  
 Relinquished By/Date: Alisa Werst 2/24/17 10:50AM  
 Received By/Date: \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

**Name**

<b>Name</b>
ALISA M WERST

**License Information**

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

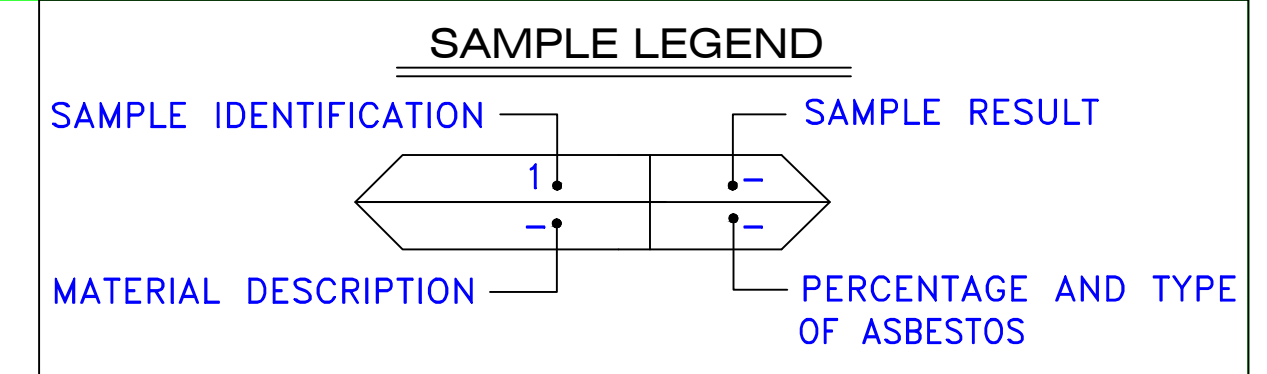
Certificate Number

October 13, 2016

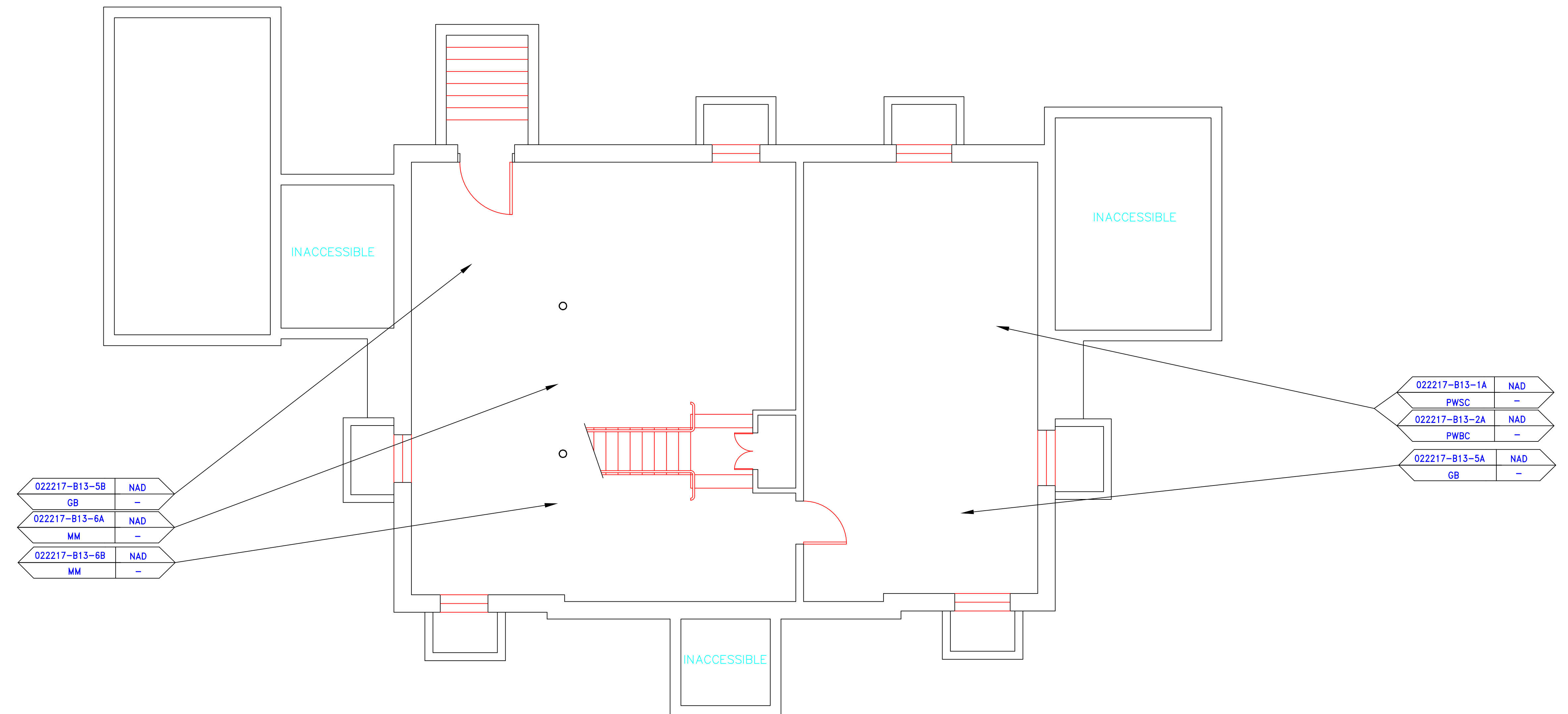
Examination Date

**APPENDIX B**  
**DRAWINGS**





AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSTUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



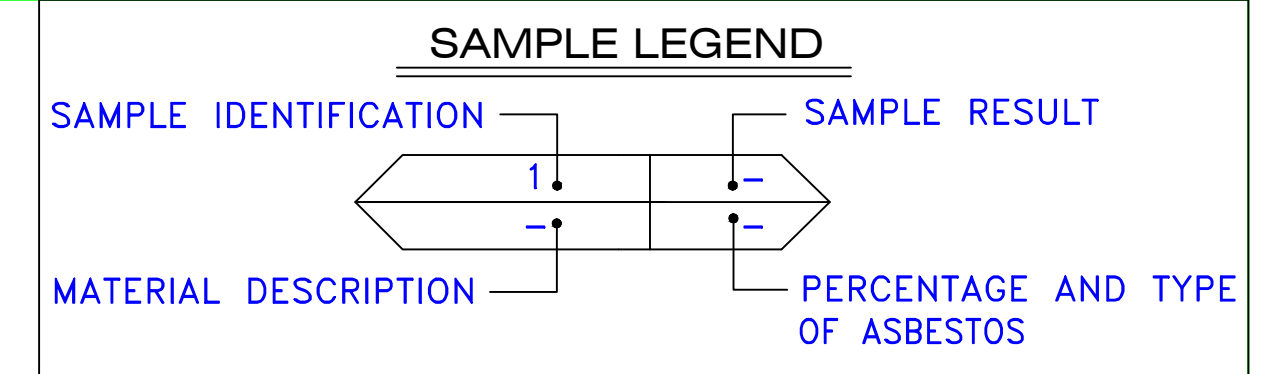
022217-B13-5B	NAD
GB	-
022217-B13-6A	NAD
MM	-
022217-B13-6B	NAD
MM	-

022217-B13-1A	NAD
PWSC	-
022217-B13-2A	NAD
PWSC	-
022217-B13-5A	NAD
GB	-

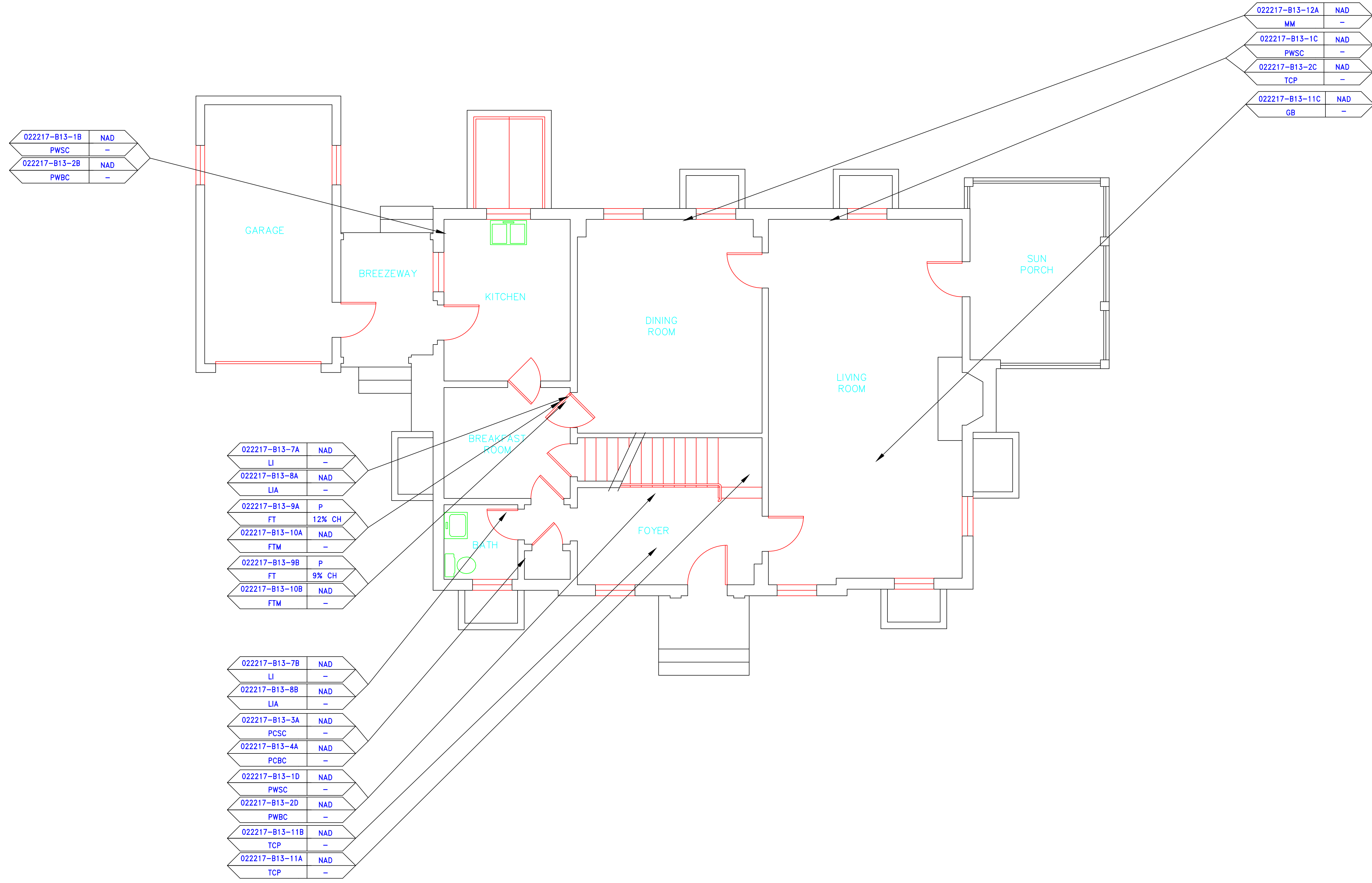
SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>SAMPLE LOCATION BASEMENT PLAN</b>		<b>ATC</b> 200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Tel: 860-418-2000	
REVISIONS		date: 3/17/17	
mark	date	description	SCALE: 1/4" = 1'
project		drawing by: AMW	
		approved by: EF	
drawing no.		drawing no.	
CAD no.		project no. 2257316087	



AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
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CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSPUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
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[Symbol]	ACM DOOR GLAZE
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[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

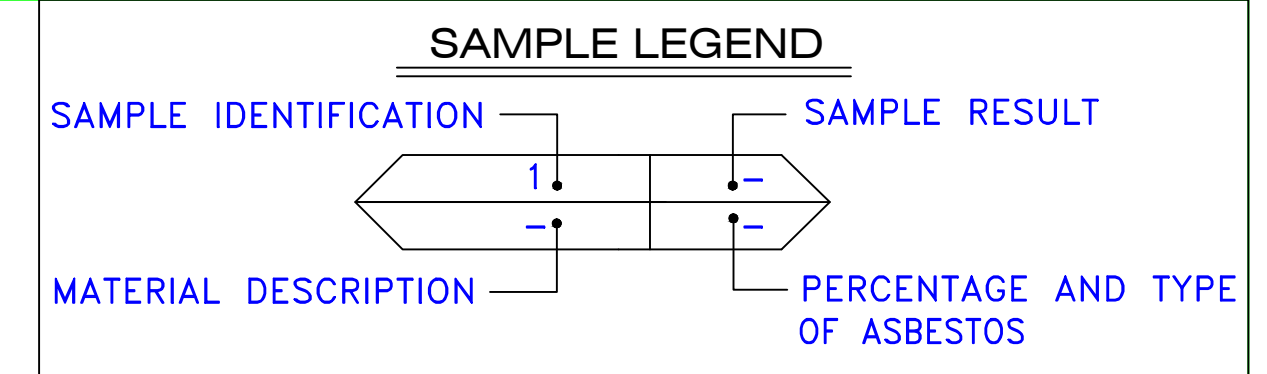
**NOTES**

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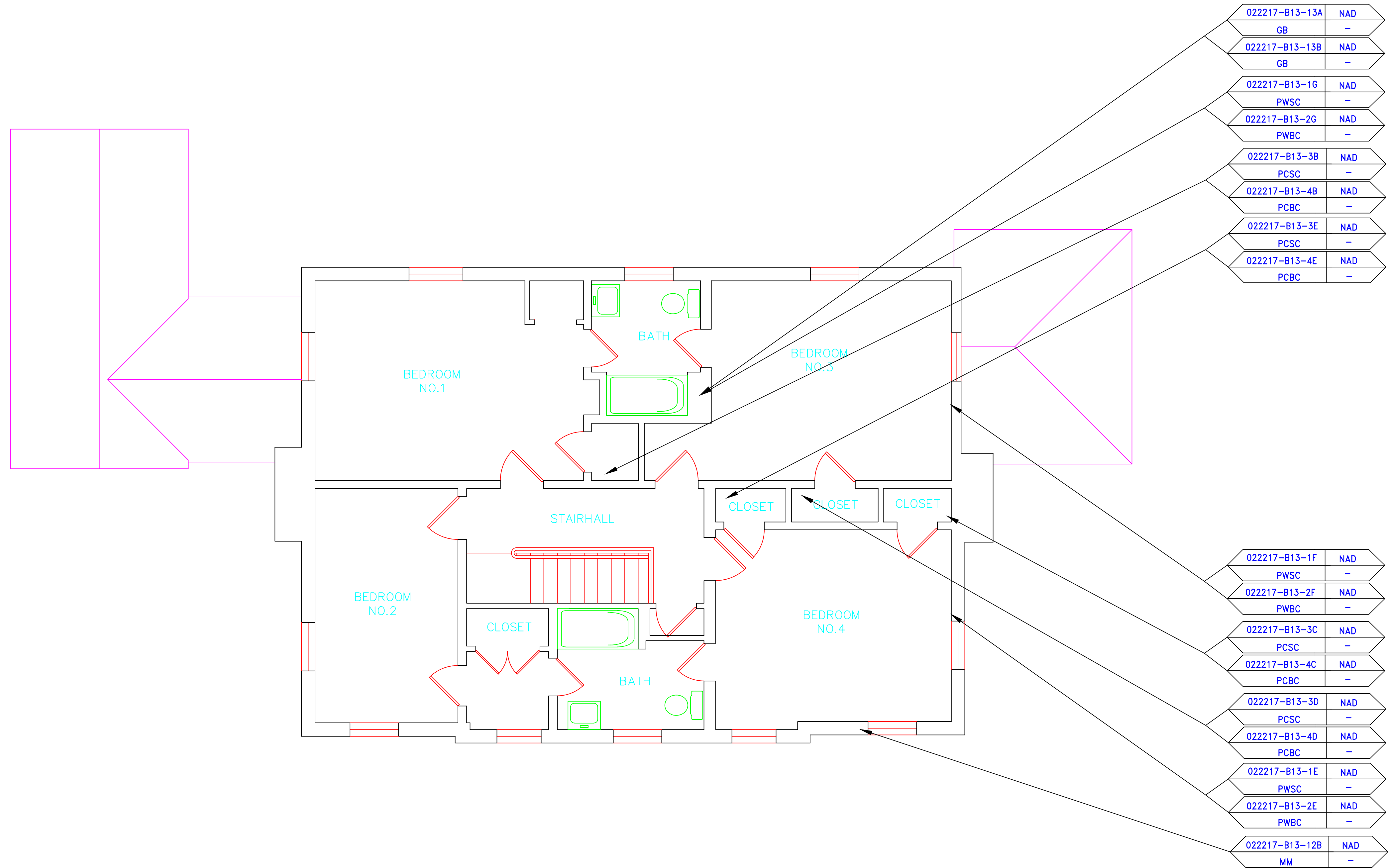
-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION FIRST FLOOR PLAN		ATC 200 Roberts Street • Suite 301 Rocky Hill, CT 06866 Tel: 860-405-2000 Fax: 860-405-2001	
REVISIONS		date: 3/17/17	
mark	date	description	SCALE: 1/4" = 1'
			drawn by: AMW
			approved by: EF
			drawing no.: ASB-1A
CAD no.	project no.	2257316087	





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BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
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CO	=	COUNTERTOP
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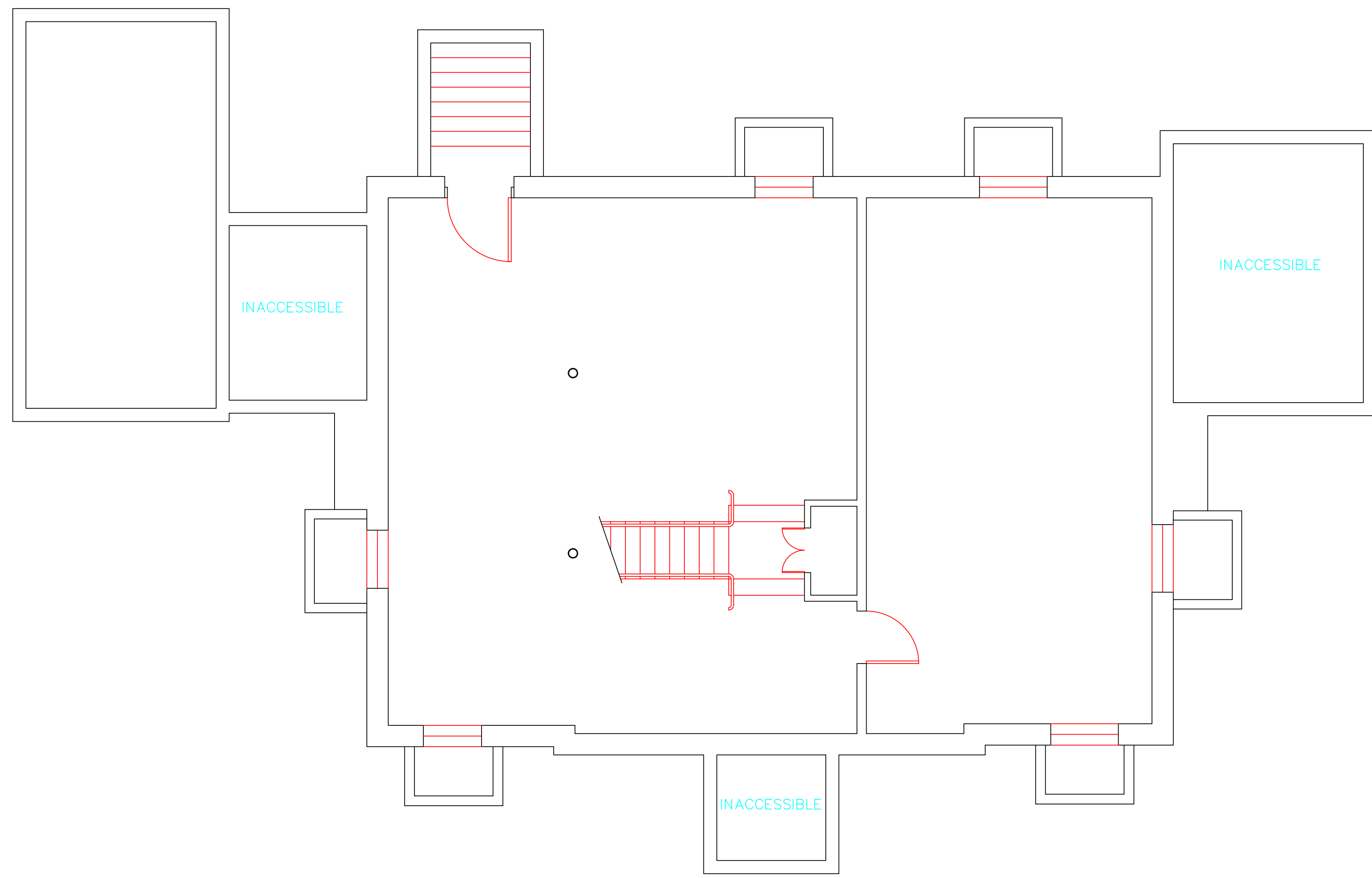
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[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
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[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
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[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

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-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title <b>SAMPLE LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Tel: 860-261-3000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 13 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no. 2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-2A



**SAMPLE LEGEND**

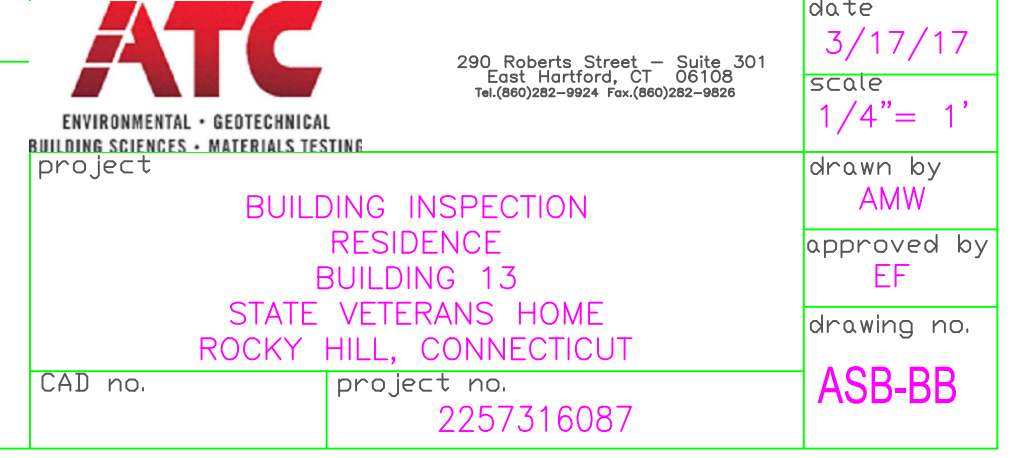
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

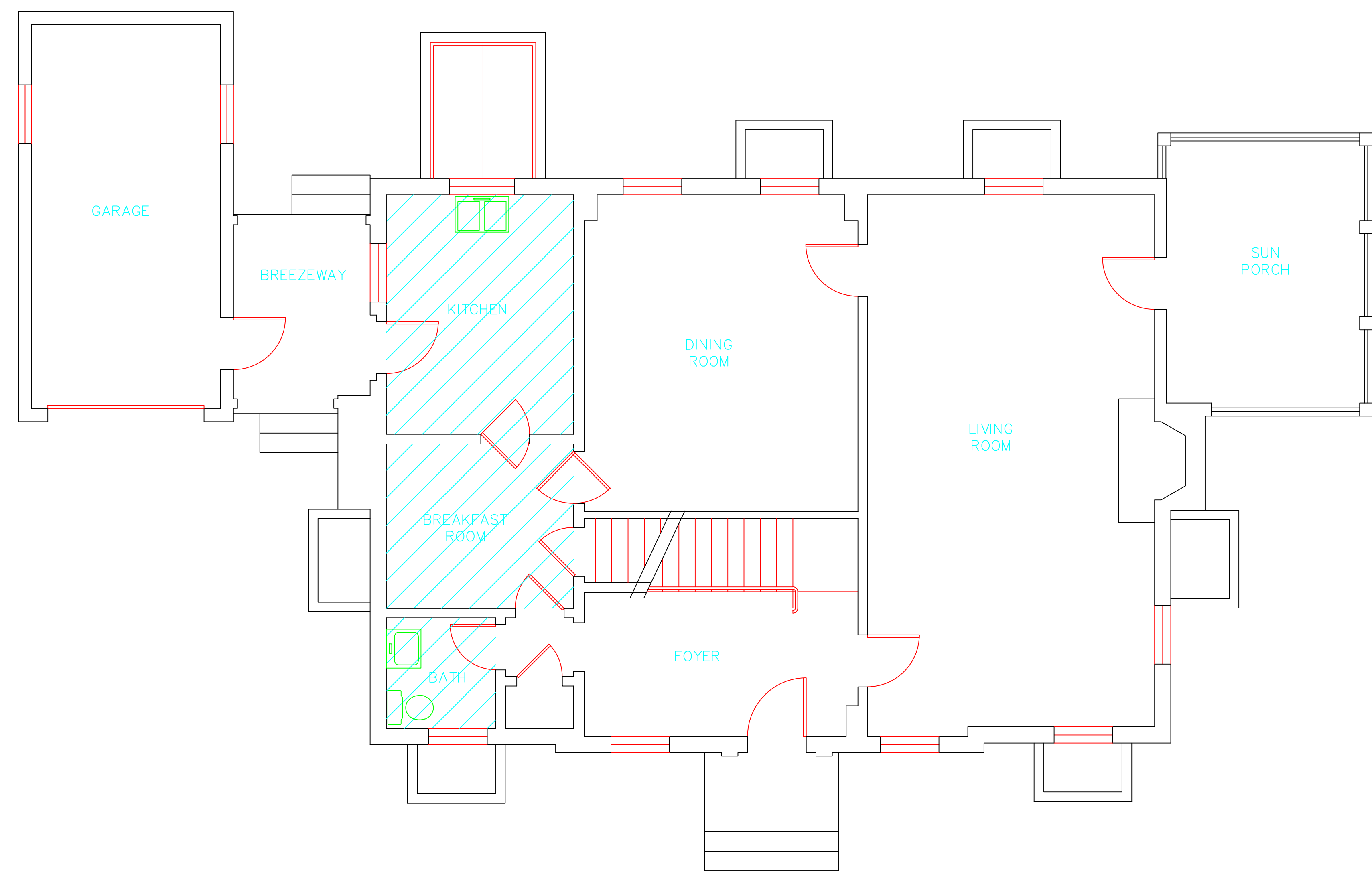
- AM = AMOSITE
- BI = BREECHING INSULATION
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	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
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drawing title <b>ACM LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 13 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no. 2257316087	drawn by AMW approved by EF drawing no. ASB-BB






**SAMPLE LEGEND**

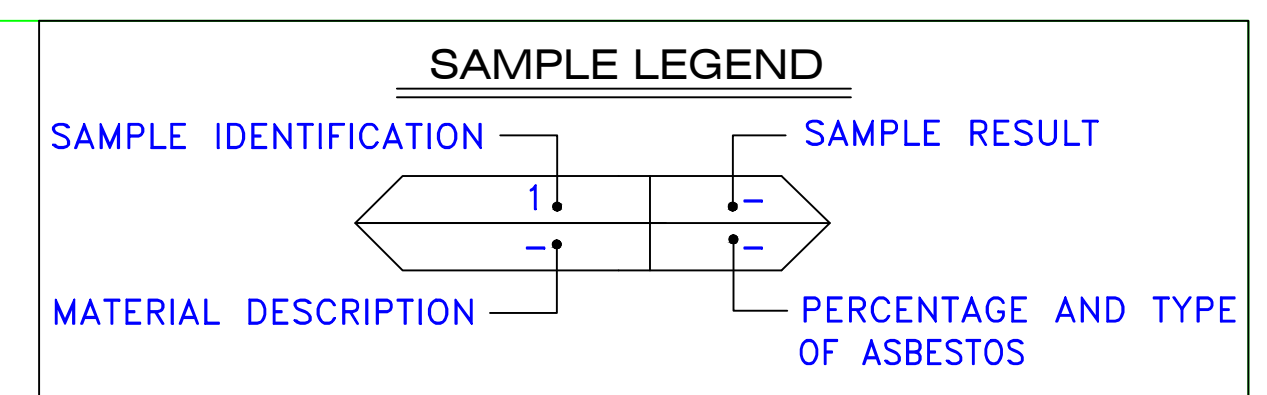
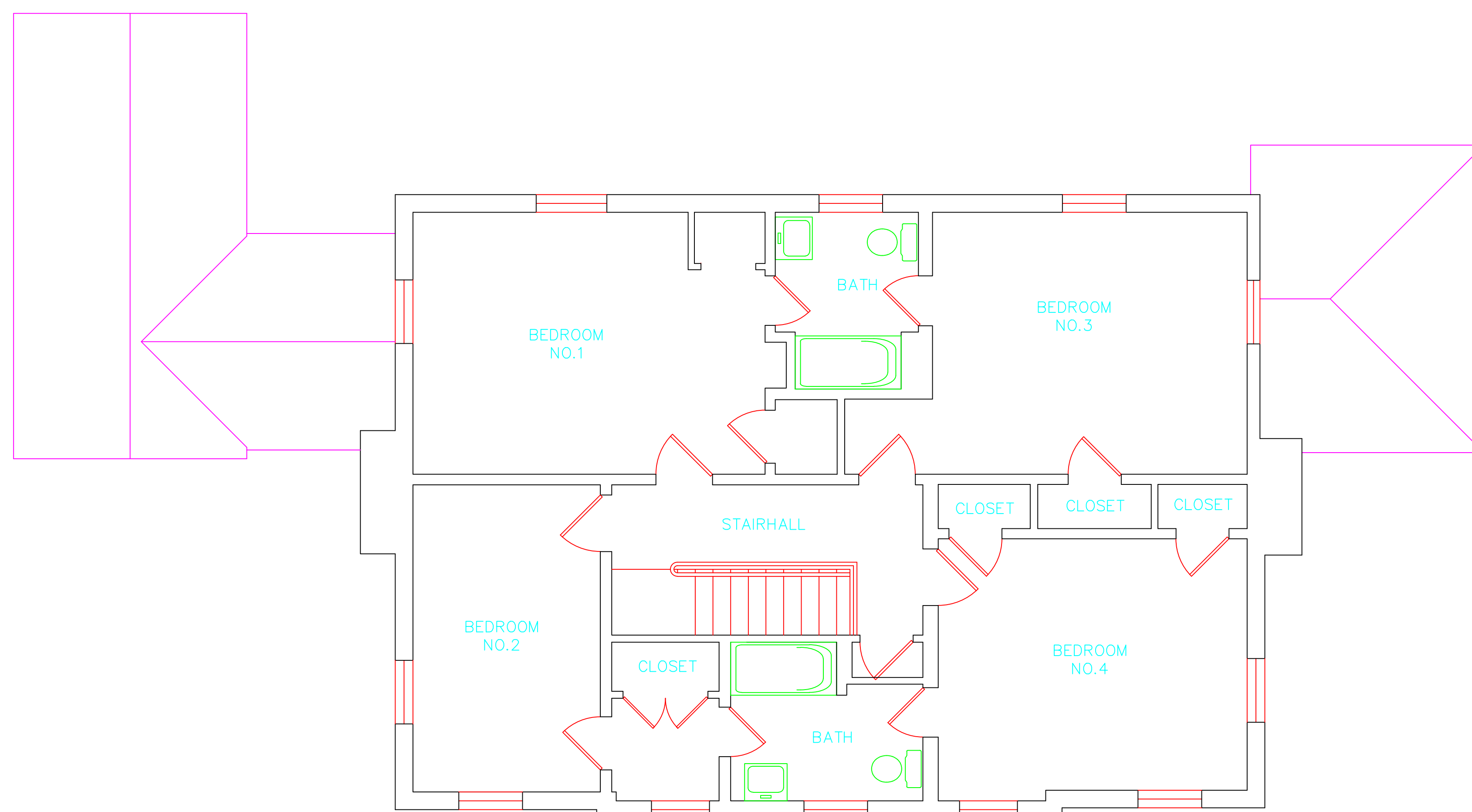
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
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- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
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SYMBOL	MATERIAL DESCRIPTION
[Diagonal lines]	ACM RESILIENT FLOORING AND MASTIC
[Diagonal lines]	ACM RESILIENT FLOORING ONLY
[Dotted pattern]	ACM POURED FLOORING
[Cross-hatch pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Dotted pattern]	ACM PLASTER CEILING SKIM COAT
[Dotted pattern]	ACM TEXTURED CEILING COATING
[Cross-hatch pattern]	ACM WALL PLASTER
[Cross-hatch pattern]	ACM GLUE DAUBS
(DC)	ACM DOOR GLAZE
(DC)	ACM DOOR CAULK
(PI)	ACM PIPE INSULATION
(PFI)	ACM PIPE FITTING INSULATION
(DS)	ACM DUCT SEALANT
(WC)	ACM WINDOW CAULK
(MC)	ACM MISCELLANEOUS CAULK
(WC)	ACM WINDOW GLAZING
(SF)	ACM SHEET FLOORING
(M)	ACM MASTIC ONLY
(JC)	ACM JOINT COMPOUND
(DL)	DOUBLE LAYER FLOORING

**NOTES**  
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drawing title <b>ACM LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		 <small>200 Roberts Street • Suite 301 Rocky Hill, CT 06067 Tel: 860-418-7200</small>	
mark	date description		
project	BUILDING INSPECTION RESIDENCE BUILDING 13 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	date 3/17/17	SCALE 1/4" = 1'
CAD no.	project no. 2257316087	drawn by AMW	approved by EF
		drawing no. ASB-1B	



AM	=	AMOSITE
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drawing title <b>ACM LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
		200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Phone: 860-261-1234	SCALE: 1/4" = 1'
project		BUILDING INSPECTION RESIDENCE BUILDING 13 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW
CAD no.		project no. 2257316087	approved by EF
			drawing no. ASB-2B

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March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 14  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53600  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Residence, Building 14, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



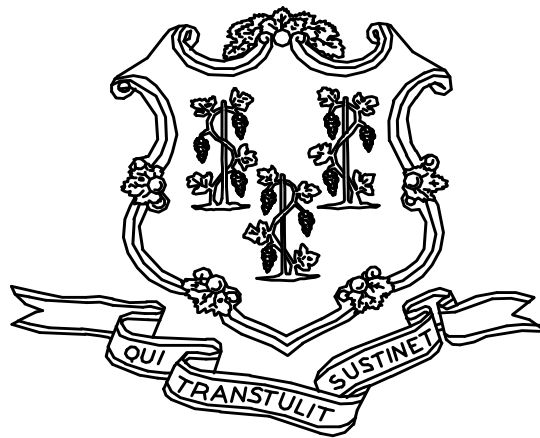
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 14  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53600  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

## Table of Contents

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### TABLE OF CONTENTS

1.0	INTRODUCTION
2.0	ASBESTOS-CONTAINING MATERIALS SURVEY
3.0	ASBESTOS-CONTAINING MATERIALS
4.0	DISCUSSION AND RECOMMENDATIONS
5.0	LIMITATIONS
6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Residence, Building 14 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 24, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: plaster ceiling, plaster wall, floor tile and associated mastic, paper under wood floor, gypsum board and fiber board.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.



- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that none of the sampled materials are asbestos-containing material (ACM).

The materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall-Skim Coat
- Plaster Wall-Base Coat
- Plaster Ceiling-Skim Coat
- Plaster Ceiling-Base Coat
- Gypsum Ceiling Board
- Gypsum Board Behind Plaster
- Fiber Board
- 12"x12" Gray Mottled Floor Tile and Associated Adhesive
- Black Felt for 12"x12" Gray Mottled Floor Tile
- Black Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED/PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 14 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022417-B14-1A	Foyer	Plaster Wall-Skim Coat	ND	
022417-B14-1B	Kitchen	Plaster Wall-Skim Coat	ND	
022417-B14-1C	Dining Room	Plaster Wall-Skim Coat	ND	
022417-B14-1D	Living Room	Plaster Wall-Skim Coat	ND	
022417-B14-1E	Bedroom 3	Plaster Wall-Skim Coat	ND	
022417-B14-1F	Bedroom 1	Plaster Wall-Skim Coat	ND	
022417-B14-1G	Basement Stair	Plaster Wall-Skim Coat	ND	
022417-B14-2A	Foyer	Plaster Wall-Base Coat	ND	
022417-B14-2B	Kitchen	Plaster Wall-Base Coat	ND	
022417-B14-2C	Dining Room	Plaster Wall-Base Coat	ND	
022417-B14-2D	Living Room	Plaster Wall-Base Coat	ND	
022417-B14-2E	Bedroom 3	Plaster Wall-Base Coat	ND	
022417-B14-2F	Bedroom 1	Plaster Wall-Base Coat	ND	
022417-B14-2G	Basement Stair	Plaster Wall-Base Coat	ND	
022417-B14-3A	Foyer Closet	Plaster Ceiling-Skim Coat	ND	
022417-B14-3B	2nd Floor Hall Closet	Plaster Ceiling-Skim Coat	ND	
022417-B14-3C	Bedroom 1	Plaster Ceiling-Skim Coat	ND	
022417-B14-3D	Bedroom 1	Plaster Ceiling-Skim Coat	ND	
022417-B14-3E	Bedroom 3	Plaster Ceiling-Skim Coat	ND	
022417-B14-4A	Foyer Closet	Plaster Ceiling-Base Coat	ND	

**TABLE 6-1  
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STATE VETERANS HOME  
BUILDING 14 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022417-B14-4B	2nd Floor Hall Closet	Plaster Ceiling-Base Coat	ND	
022417-B14-4C	Bedroom 1	Plaster Ceiling-Base Coat	ND	
022417-B14-4D	Bedroom 1	Plaster Ceiling-Base Coat	ND	
022417-B14-4E	Bedroom 3	Plaster Ceiling-Base Coat	ND	
022417-B14-5A	Basement	Gypsum Ceiling Board	ND	
022417-B14-5B	Basement	Gypsum Ceiling Board	ND	
022417-B14-6A	Basement	Gypsum Board Behind Plaster	ND	
022417-B14-6B	Basement	Gypsum Board Behind Plaster	ND	
022417-B14-7A	Basement	Fiber Board	ND	
022417-B14-7B	Basement	Fiber Board	ND	
022417-B14-8A	Kitchen	12"x12" Gray Mottled Floor Tile	ND	
022417-B14-8B	Kitchen	12"x12" Gray Mottled Floor Tile	ND	
022417-B14-9A	Kitchen	Adhesive for 12"x12" Gray Mottled Floor Tile	ND	
022417-B14-9B	Kitchen	Adhesive for 12"x12" Gray Mottled Floor Tile	ND	
022417-B14-10A	Kitchen	Black Felt for 12"x12" Gray Mottled Floor Tile	ND	
022417-B14-10B	Kitchen	Black Felt for 12"x12" Gray Mottled Floor Tile	ND	
022417-B14-11A	Bedroom 3	Paper Under Wood Floor	ND	
022417-B14-11B	Bedroom 1	Paper Under Wood Floor	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



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**EMSL Order:** 031705053

**Customer ID:** ATCE54

**Customer PO:** 17-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
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**Phone:** (860) 282-9924

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**Received Date:** 02/25/2017 11:11 AM

**Analysis Date:** 02/26/2017 - 02/27/2017

**Collected Date:** 02/24/2017

**Project:** 2257316087/ CTDCS/ BLD 14/ VETERANS HOME ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022417-B14-1A 031705053-0001	FOYER - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous	2% Cellulose	53% Ca Carbonate 45% Non-fibrous (Other)	None Detected
022417-B14-1B 031705053-0002	KITCHEN - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		56% Ca Carbonate 44% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022417-B14-1C 031705053-0003	DINING ROOM - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
022417-B14-1D 031705053-0004	LIVING ROOM - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		56% Ca Carbonate 44% Non-fibrous (Other)	None Detected
022417-B14-1E 031705053-0005	BEDROOM 3 - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		53% Ca Carbonate 47% Non-fibrous (Other)	None Detected
022417-B14-1F 031705053-0006	BEDROOM 1 - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 46% Non-fibrous (Other)	None Detected
022417-B14-1G 031705053-0007	BASEMENT STAIR - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 46% Non-fibrous (Other)	None Detected
022417-B14-2A 031705053-0008	FOYER - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous		53% Quartz 47% Non-fibrous (Other)	None Detected
022417-B14-2B 031705053-0009	KITCHEN - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous	1% Cellulose	52% Quartz 40% Gypsum 7% Non-fibrous (Other)	None Detected
022417-B14-2C 031705053-0010	DINING ROOM - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous		48% Quartz 45% Gypsum 7% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 12:02:15



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**EMSL Order:** 031705053

**Customer ID:** ATCE54

**Customer PO:** 17-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022417-B14-2D 031705053-0011	LIVING ROOM - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous		50% Quartz 40% Gypsum 10% Non-fibrous (Other)	None Detected
022417-B14-2E 031705053-0012	BEDROOM 3 - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous	3% Cellulose	42% Quartz 30% Gypsum 25% Non-fibrous (Other)	None Detected
022417-B14-2F 031705053-0013	BEDROOM 1 - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 32% Gypsum 23% Non-fibrous (Other)	None Detected
022417-B14-2G 031705053-0014	BASEMENT STAIR - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 35% Gypsum 20% Non-fibrous (Other)	None Detected
022417-B14-3A 031705053-0015	FOYER CLOSET - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		57% Ca Carbonate 43% Non-fibrous (Other)	None Detected
022417-B14-3B 031705053-0016	2ND FLOOR HALL CLOSET - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		58% Ca Carbonate 42% Non-fibrous (Other)	None Detected
022417-B14-3C 031705053-0017	BEDROOM 1 - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		52% Ca Carbonate 48% Non-fibrous (Other)	None Detected
022417-B14-3D 031705053-0018	BEDROOM 1 - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022417-B14-3E 031705053-0019	BEDROOM 3 - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 46% Non-fibrous (Other)	None Detected
022417-B14-4A 031705053-0020	FOYER CLOSET - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous		60% Quartz 13% Gypsum 27% Non-fibrous (Other)	None Detected

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<b>EMSL Order:</b> 031705053
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 02/25/2017 11:11 AM <b>Analysis Date:</b> 02/26/2017 - 02/27/2017 <b>Collected Date:</b> 02/24/2017
<b>Project:</b> 2257316087/ CTDCS/ BLD 14/ VETERANS HOME ROCKY HILL, CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022417-B14-4B 031705053-0021	2ND FLOOR HALL CLOSET - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous		60% Quartz 22% Gypsum 18% Non-fibrous (Other)	None Detected
022417-B14-4C 031705053-0022	BEDROOM 1 - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous		40% Quartz 38% Gypsum 22% Non-fibrous (Other)	None Detected
022417-B14-4D 031705053-0023	BEDROOM 1 - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous		48% Quartz 40% Gypsum 12% Non-fibrous (Other)	None Detected
022417-B14-4E 031705053-0024	BEDROOM 3 - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 32% Gypsum 23% Non-fibrous (Other)	None Detected
022417-B14-5A 031705053-0025	BASEMENT - GYPSUM CEILING BOARD	Gray Non-Fibrous Homogeneous	18% Cellulose	65% Gypsum 17% Non-fibrous (Other)	None Detected
022417-B14-5B 031705053-0026	BASEMENT - GYPSUM CEILING BOARD	Brown/Gray Non-Fibrous Homogeneous	12% Cellulose	65% Gypsum 23% Non-fibrous (Other)	None Detected
022417-B14-6A 031705053-0027	BASEMENT - GYPSUM BOARD BEHIND PLASTER	Brown/Gray Non-Fibrous Homogeneous	4% Cellulose	75% Gypsum 21% Non-fibrous (Other)	None Detected
022417-B14-6B 031705053-0028	BASEMENT - GYPSUM BOARD BEHIND PLASTER	Brown/Gray Non-Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
022417-B14-7A 031705053-0029	BASEMENT - FIBER BOARD	Brown Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
022417-B14-7B 031705053-0030	BASEMENT - FIBER BOARD	Brown Fibrous Homogeneous	96% Cellulose	4% Non-fibrous (Other)	None Detected

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**Project:** 2257316087/ CTDCS/ BLD 14/ VETERANS HOME ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022417-B14-8A 031705053-0031	KITCHEN - 12" X 12" GRAY MOTTLED FLOOR TILE	Tan/White Non-Fibrous Homogeneous		48% Ca Carbonate 52% Non-fibrous (Other)	None Detected
022417-B14-8B 031705053-0032	KITCHEN - 12" X 12" GRAY MOTTLED FLOOR TILE	Tan Non-Fibrous Homogeneous		43% Ca Carbonate 57% Non-fibrous (Other)	None Detected
022417-B14-9A 031705053-0033	KITCHEN - ADHESIVE FOR 12" X 12" GRAY MOTTLED FLOOR TILE	Brown Non-Fibrous Homogeneous	14% Cellulose	8% Ca Carbonate 78% Non-fibrous (Other)	None Detected
022417-B14-9B 031705053-0034	KITCHEN - ADHESIVE FOR 12" X 12" GRAY MOTTLED FLOOR TILE	Brown Non-Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (Other)	None Detected
022417-B14-10A 031705053-0035	KITCHEN - BLACK FELT FOR 12" X 12" GRAY MOTTLED FLOOR TILE	Black Fibrous Homogeneous	93% Cellulose	7% Non-fibrous (Other)	None Detected
022417-B14-10B 031705053-0036	KITCHEN - BLACK FELT FOR 12" X 12" GRAY MOTTLED FLOOR TILE	Black Fibrous Homogeneous	88% Cellulose	12% Non-fibrous (Other)	None Detected
022417-B14-11A 031705053-0037	BEDROOM 3 - PAPER UNDER WOOD FLOOR	Brown/Black Fibrous Homogeneous	86% Cellulose	14% Non-fibrous (Other)	None Detected
022417-B14-11B 031705053-0038	BEDROOM 1 - PAPER UNDER WOOD FLOOR	Brown Non-Fibrous Homogeneous	88% Cellulose	12% Non-fibrous (Other)	None Detected

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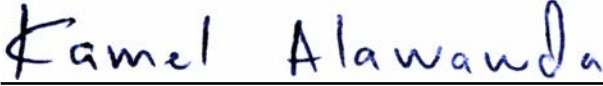
The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**


Sample Receipt Date: 02/25/2017                      Sample Receipt Time: 11:11 AM  
Analysis Completed Date: 02/27/2017                      Analysis Completed Time: 11:45 AM

**Analyst(s):**

  
Emmanuel Moise PLM (25)

  
Kamel Alawawda PLM (13)

**Samples Reviewed and approved by:**

  
James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 12:02:15



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardio ATC Inspector: <u>Allisa Weist</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>					
Survey Date: <u>2-24-17</u>		Project Manager: <u>E. Fennell</u>					
Signature: <u>AJ Weist</u>		Requested Completion Date: <u>38</u>					
Lab Name: <u>EMSL</u>		Requested turnaround time (circle): <u>3 HR</u> 6 HR 24 HR 48 HR 3 DY 5 DY					
Building: <u>Bld 14</u>		Address: <u>Veterans Home, Rocky Hill CT</u>					
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Foyer	Plaster wall - skim coat	S				2	022417-014-1A
Kitchen	"					3	1B
Dining Room	"					4	1C
Living Room	"					5	1D
Bedroom 3	"					6	1E
Bedroom 1	"					7	1F
Basement stair	"						1G
Foyer	Plaster wall - Base coat					2	2A
Kitchen	"					3	2B
Dining Room	"					4	2C
Living Room	"					5	2D
Bedroom 3	"					6	2E
Bedroom 1	"					7	2F
Basement stair	"						2G

RECEIVED  
 7 FEB 25 AM 11:11

PLM  
 Relinquished By/Date: AW Weist 2-24-17  
 Relinquished By/Date: AW Weist 2-24-17  
 Received By/Date: AW Weist 2/25/17 11:11AM  
 Received By/Date: AW Weist 2/25/17 11:11AM

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft.-1-6ft. >6ft) Accessibility (within reach-barely-reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)  
 Friability (yes-no; hard-mod-soft surface) Deterioration (heavy-moderate-light-none)  
 Barriers (perm airtight-enclosed-encapsulated) Vibration (gym-muscle rm-auditorium-mechanical rm-elevator-other) ---  
 Texture (rough-pitted-moderate-smooth) Air movement (high-moderate-low)



# BULK SAMPLE LOG

Page 2 of 3

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno	ATC Inspector:	Client Name:	Requested turnaround time (circle)			No. Samples Collected		
	Alisa Wetst	CTDCS	3 HR	6 HR	24 HR	48 HR	3 DY	5 DY
	Accreditation No.: 736	Project No./Task No.: Z257316087	Requested Completion Date:					
	Survey Date: 2-24-17	Project Manager: E. Fennell						
	Signature: <i>Alan Wertz</i>	Requested Completion Date:						
	Lab Name: EMSL	Address: Veterans Home, Rocky Hill CT						
	Building: Bldg 14							
Location	Material Description	Type TSI S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number	
Foyer closet	Plaster ceiling - skinn coat	S				2	022417-014-3A	
2nd Floor Hall closet	"	"				3	3B	
Bedroom 1	"	"				4	3C	
"	"	"				5	3D	
Bedroom 3	"	"					3E	
Foyer closet	Plaster ceiling - base coat	"				2	4A	
2nd Floor Hall closet	"	"				3	4B	
Bedroom 1	"	"				4	4C	
"	"	"				5	4D	
Bedroom 3	"	"					4E	
Basement	gypsum ceiling board	"				2	5A	
"	gypsum board behind plaster	"				1	5B	
"	"	"				2	6A	
"	"	"					6B	

Comments: PLM

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely-reachable-not reachable)  
 Relinquished By/Date: *Alan Wertz 2-24-17*  
 Relinquished By/Date: *Alan Wertz 2-24-17*  
 Received By/Date: *Amelia 2/25/17 11:11AM*  
 Received By/Date: *Amelia 2/25/17 11:11AM*

RECEIVED  
 17 FEB 25 AM

S:\BlogSci\Admin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Weist Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 2-24-17 Project Manager: E. Fennell

Signature: Alm Weist Requested Completion Date: \_\_\_\_\_

Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 38

Building: Blck 14 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material)	Field Number
Basement	Fiber board	MISC				1 2	022417-B14-7A
Kitchen	12"X12" gray mottled Flamtile					1 2	7B 8A 8B 9A 9B 10A 10B
	adhesive for					1 2	
	Black Felt For					1 2	
Bedrooms	Paper under wood floor					1 2	11A 11B
Bedroom 1						1 2	

Comments: PLM

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight none) Deterioration (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)

Disturbance Factors: Proximity (<1ft--1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Vibration (gym-music rm-auditorium-mechanical-rm-elevator-other) Air movement (high-moderate-low) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

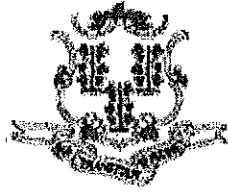
Relinquished By/Date: Alm Weist 2-24-17 Received By/Date: Quandt 2/25/17 11:11AM

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

RECEIVED  
 17 FEB 25 AM 11:11

**APPENDIX A**  
**LICENSE AND CERTIFICATION**





State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

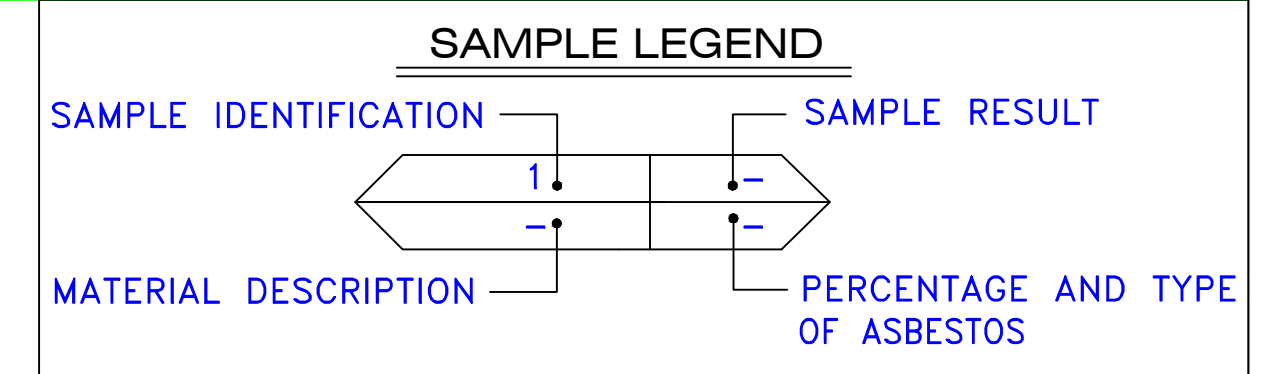
STAR-5569

Certificate Number

October 13, 2016

Examination Date

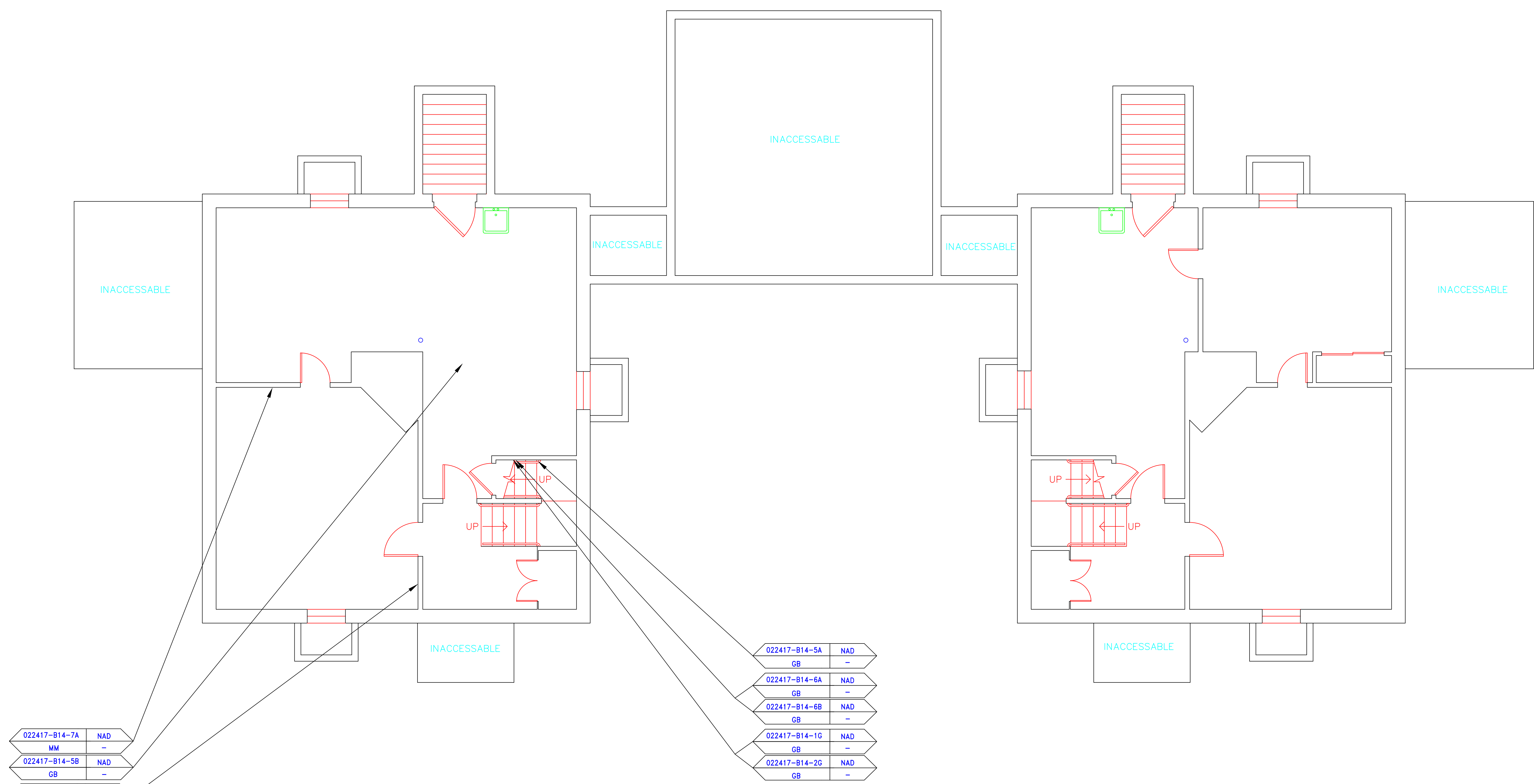
**APPENDIX B**  
**DRAWINGS**



AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSTOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSTUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING



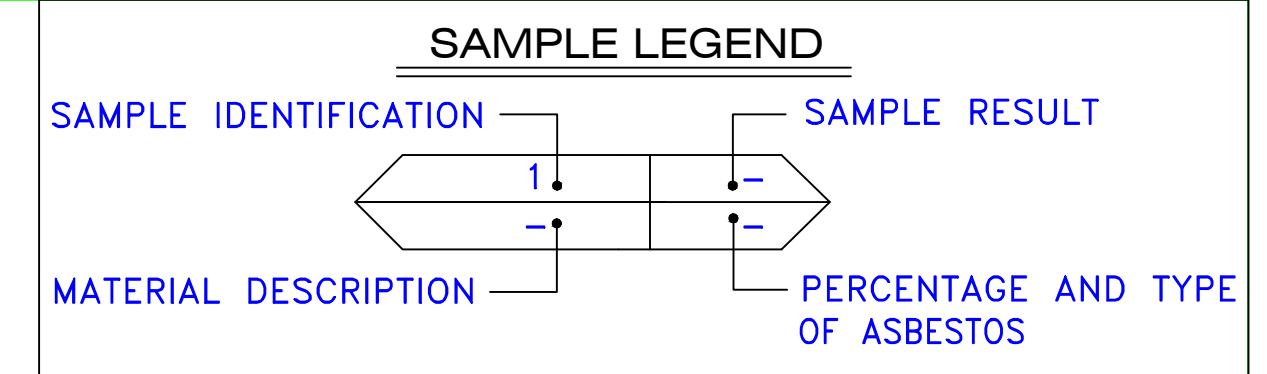
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MM	-
022417-B14-5B	NAD
GB	-
022417-B14-7B	NAD
MM	-

022417-B14-5A	NAD
GB	-
022417-B14-6A	NAD
GB	-
022417-B14-6B	NAD
GB	-
022417-B14-1G	NAD
GB	-
022417-B14-2C	NAD
GB	-

BUILDING 14

BUILDING 16

drawing title <b>SAMPLE LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street • Suite 301 East Windsor, CT 06026 Tel: 860-405-2000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 14 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-BA



AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSTOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSPUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

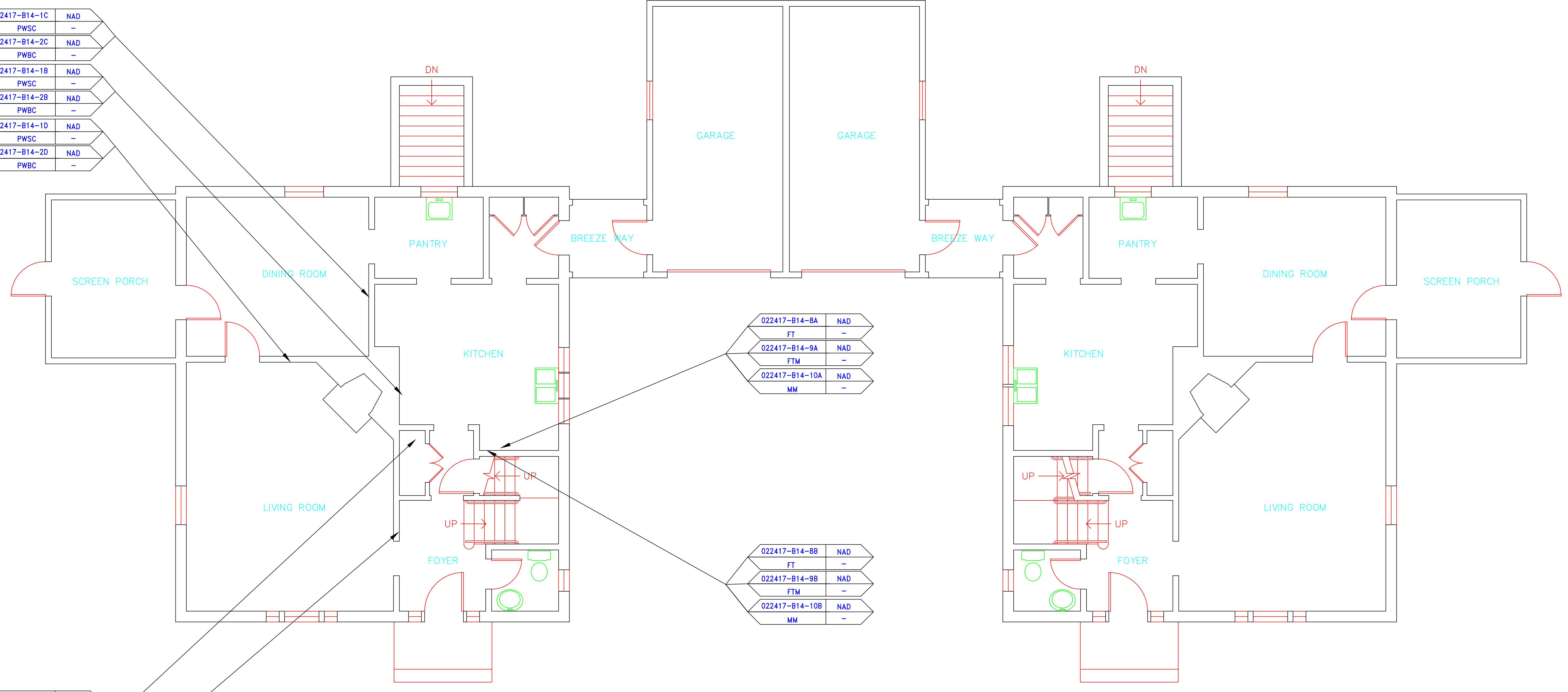
**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

022417-B14-1C	NAD
PWSC	-
022417-B14-2C	NAD
PWSC	-
022417-B14-1B	NAD
PWSC	-
022417-B14-2B	NAD
PWSC	-
022417-B14-1D	NAD
PWSC	-
022417-B14-2D	NAD
PWSC	-

022417-B14-8A	NAD
FT	-
022417-B14-9A	NAD
FTM	-
022417-B14-10A	NAD
MM	-

022417-B14-8B	NAD
FT	-
022417-B14-9B	NAD
FTM	-
022417-B14-10B	NAD
MM	-

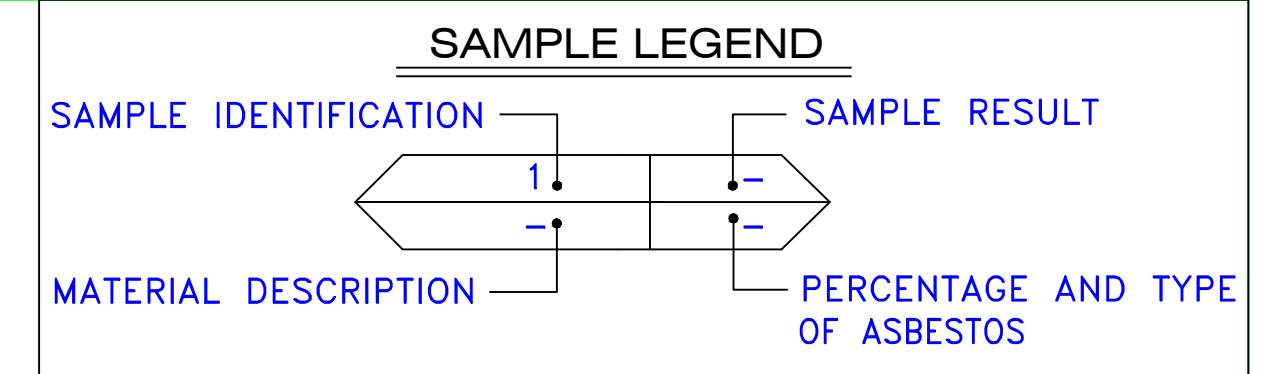
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PCSC	-
022417-B14-4A	NAD
PCBC	-
022417-B14-1A	NAD
PWSC	-
022417-B14-2A	NAD
PWSC	-



BUILDING 14

BUILDING 16

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>SAMPLE LOCATION FIRST FLOOR PLAN</b>		<b>ATC</b>	
REVISIONS		200 Roberts Street • Suite 301 Rocky Hill, CT 06866 Tel: 860-418-2000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 14 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no.	drawn by AMW
		2257316087	approved by EF
			drawing no. ASB-1A



MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

022417-B14-11B	NAD
MM	-

022417-B14-1F	NAD
PWSC	-
022417-B14-2F	NAD
PWBC	-

022417-B14-3D	NAD
PCSC	-

022417-B14-4D	NAD
PCBC	-

022417-B14-3E	NAD
PCSC	-

022417-B14-4E	NAD
PCBC	-

022417-B14-3C	NAD
PCSC	-

022417-B14-4C	NAD
PCBC	-

022417-B14-1E	NAD
PWSC	-
022417-B14-2E	NAD
PWBC	-
022417-B14-11A	NAD
MM	-

022417-B14-3B	NAD
PCSC	-
022417-B14-4B	NAD
PCBC	-

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION SECOND FLOOR PLAN		DATE: 3/17/17	
REVISIONS		SCALE: 1/4" = 1'	
mark	date	description	drawn by
			AMW
			approved by
			EF
drawing no.		project no.	
ASB-2A		2257316087	

**ATC**  
 ENVIRONMENTAL - GEOTECHNICAL  
 ENGINEERING CONSULTANTS, INC.  
 200 Roberts Street - Suite 301  
 East Windsor, CT 06026  
 Tel: 860-255-1000  
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---

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 15  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53264  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Residence, Building 15, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



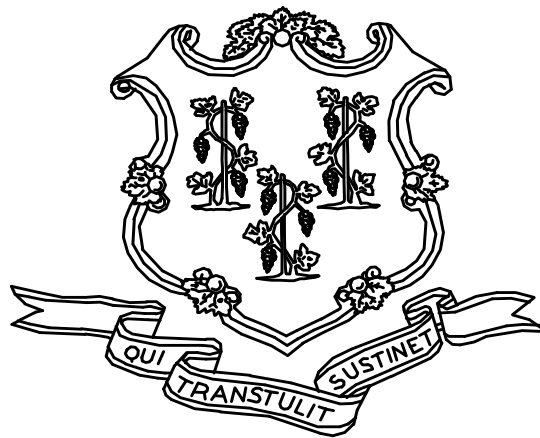
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 15  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53264  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**



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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Residence, Building 15 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 24, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: plaster ceiling, plaster wall, floor tile and associated mastic, cove base and associated adhesive, paper under wood floor, and gypsum board.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that none of the sampled materials are asbestos-containing material (ACM). However, PLM analysis determined materials that contain less than 1% asbestos are as follows:

- Gypsum Ceiling Board

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall-Skim Coat
- Plaster Wall-Base Coat
- Plaster Ceiling-Skim Coat
- Plaster Ceiling-Base Coat
- Gypsum Board Behind Plaster
- Fiberboard
- 12"x12" Beige With Green Floor Tile and Associated Adhesive
- Black Paper Under 12"x12" Beige With Green Floor Tile
- 6" Brown Cove Base and Associated Adhesive
- Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 15 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022417-B15-1A	Basement	Plaster Wall-Skim Coat	ND	
022417-B15-1B	Foyer	Plaster Wall-Skim Coat	ND	
022417-B15-1C	Kitchen	Plaster Wall-Skim Coat	ND	
022417-B15-1D	Dining Room	Plaster Wall-Skim Coat	ND	
022417-B15-1E	Living Room	Plaster Wall-Skim Coat	ND	
022417-B15-1F	Bedroom 3	Plaster Wall-Skim Coat	ND	
022417-B15-1G	Bedroom 3	Plaster Wall-Skim Coat	ND	
022417-B15-2A	Basement	Plaster Wall-Base Coat	ND	
022417-B15-2B	Foyer	Plaster Wall-Base Coat	ND	
022417-B15-2C	Kitchen	Plaster Wall-Base Coat	ND	
022417-B15-2D	Dining Room	Plaster Wall-Base Coat	ND	
022417-B15-2E	Living Room	Plaster Wall-Base Coat	ND	
022417-B15-2F	Bedroom 3	Plaster Wall-Base Coat	ND	
022417-B15-2G	Bedroom 3	Plaster Wall-Base Coat	ND	
022417-B15-3A	Foyer Closet	Plaster Ceiling-Skim Coat	ND	
022417-B15-3B	2nd Floor Hall Closet	Plaster Ceiling-Skim Coat	ND	
022417-B15-3C	Bedroom 1	Plaster Ceiling-Skim Coat	ND	
022417-B15-3D	Bedroom 2	Plaster Ceiling-Skim Coat	ND	
022417-B15-3E	Bedroom 3	Plaster Ceiling-Skim Coat	ND	
022417-B15-4A	Foyer Closet	Plaster Ceiling-Base Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED/PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 15 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022417-B15-4B	2nd Floor Hall Closet	Plaster Ceiling-Base Coat	ND	
022417-B15-4C	2nd Floor Hall Closet	Plaster Ceiling-Base Coat	ND	
022417-B15-4D	Bedroom 1	Plaster Ceiling-Base Coat	ND	
022417-B15-4E	Bedroom 2	Plaster Ceiling-Base Coat	ND	
022417-B15-5A	Basement	Gypsum Board Ceiling	ND	
022417-B15-5B	Basement	Gypsum Board Ceiling	<1	Chrysotile
022417-B15-6A	Basement	Gypsum Board Behind Plaster	ND	
022417-B15-6B	Basement	Gypsum Board Behind Plaster	ND	
022417-B15-7A	Basement	Fiberboard	ND	
022417-B15-7B	Basement	Fiberboard	ND	
022417-B15-8A	1st Floor Bathroom	6" Brown Cove Base	ND	
022417-B15-8B	1st Floor Bathroom	6" Brown Cove Base	ND	
022417-B15-9A	1st Floor Bathroom	Adhesive for 6" Brown Cove Base	ND	
022417-B15-9B	1st Floor Bathroom	Adhesive for 6" Brown Cove Base	ND	
022417-B15-10A	1st Floor Bathroom	12"x12" Beige With Green Floor Tile	ND	
022417-B15-10B	Kitchen	12"x12" Beige With Green Floor Tile	ND	
022417-B15-11A	1st Floor Bathroom	Adhesive for 12"x12" Beige With Green Floor Tile	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 15 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022417-B15-11B	Kitchen	Adhesive for 12"x12" Beige With Green Floor Tile	ND	
022417-B15-12A	Kitchen	Black Paper Under 12"x12" Beige With Green Floor Tile	ND	
022417-B15-12B	Kitchen	Black Paper Under 12"x12" Beige With Green Floor Tile	ND	
022417-B15-13A	Basement	Paper Under Wood Floor	ND	
022417-B15-13B	Basement	Paper Under Wood Floor	ND	

ND = None Detected



**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

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<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705050

**Customer ID:** ATCE54

**Customer PO:** 17-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 02/25/2017 11:10 AM

**Analysis Date:** 02/26/2017 - 02/27/2017

**Collected Date:** 02/24/2017

**Project:** 2257316087/ CTDCS/ BLD 15/ VETERANS HOME ROCK HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022417-B15-1A 031705050-0001	BASEMENT - PLASTER WALL-SKIM COAT	Gray/White Non-Fibrous Heterogeneous		65% Ca Carbonate 35% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022417-B15-1B 031705050-0002	FOYER - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
022417-B15-1C 031705050-0003	KITCHEN - PLASTER WALL-SKIM COAT	White Non-Fibrous Heterogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
022417-B15-1D 031705050-0004	DINING ROOM - PLASTER WALL-SKIM COAT	White Non-Fibrous Heterogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022417-B15-1E 031705050-0005	LIVING ROOM - PLASTER WALL-SKIM COAT	White Non-Fibrous Heterogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022417-B15-1F 031705050-0006	BEDROOM 3 - PLASTER WALL-SKIM COAT	Tan/White Non-Fibrous Heterogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022417-B15-1G 031705050-0007	BEDROOM 3 - PLASTER WALL-SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
022417-B15-2A 031705050-0008	BASEMENT - PLASTER WALL-BASE COAT	Brown/Gray Non-Fibrous Homogeneous	10% Cellulose 4% Hair	48% Quartz 3% Mica 35% Non-fibrous (Other)	None Detected
022417-B15-2B 031705050-0009	FOYER - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous	4% Hair	45% Quartz 1% Mica 50% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 05:48:43



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**Project ID:**

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022417-B15-2C 031705050-0010	KITCHEN - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous	1% Hair	45% Quartz 54% Non-fibrous (Other)	None Detected
022417-B15-2D 031705050-0011	DINING ROOM - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous	3% Hair	45% Quartz 52% Non-fibrous (Other)	None Detected
022417-B15-2E 031705050-0012	LIVING ROOM - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous	2% Hair	52% Quartz 46% Non-fibrous (Other)	None Detected
022417-B15-2F 031705050-0013	BEDROOM 3 - PLASTER WALL-BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 2% Mica 53% Non-fibrous (Other)	None Detected
022417-B15-2G 031705050-0014	BEDROOM 3 - PLASTER WALL-BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
022417-B15-3A 031705050-0015	FOYER CLOSET - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
022417-B15-3B 031705050-0016	2ND FLOOR HALL CLOSET - PLASTER CEILING-SKIM COAT	White Non-Fibrous Heterogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022417-B15-3C 031705050-0017	BEDROOM 1 - PLASTER CEILING-SKIM COAT	Tan/White Non-Fibrous Heterogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022417-B15-3D 031705050-0018	BEDROOM 2 - PLASTER CEILING-SKIM COAT	Tan/White Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022417-B15-3E 031705050-0019	BEDROOM 3 - PLASTER CEILING-SKIM COAT	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
022417-B15-4A 031705050-0020	FOYER CLOSET - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous	2% Hair	45% Quartz 53% Non-fibrous (Other)	None Detected
022417-B15-4B 031705050-0021	2ND FLOOR HALL CLOSET - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous	2% Hair	55% Quartz 43% Non-fibrous (Other)	None Detected
022417-B15-4C 031705050-0022	2ND FLOOR HALL CLOSET - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 1% Mica 54% Non-fibrous (Other)	None Detected
022417-B15-4D 031705050-0023	BEDROOM 1 - PLASTER CEILING-BASE COAT	Brown Non-Fibrous Homogeneous	2% Hair	56% Quartz 42% Non-fibrous (Other)	None Detected
022417-B15-4E 031705050-0024	BEDROOM 2 - PLASTER CEILING-BASE COAT	Gray Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
022417-B15-5A 031705050-0025	BASEMENT - GYPSUM BOARD CEILING	Brown/White Non-Fibrous Homogeneous	20% Cellulose	55% Gypsum 25% Non-fibrous (Other)	None Detected
022417-B15-5B 031705050-0026	BASEMENT - GYPSUM BOARD CEILING	Brown/Gray/White Non-Fibrous Homogeneous	15% Cellulose	55% Gypsum 30% Non-fibrous (Other)	<1% Chrysotile
This is a composite result of wallboard and Paint					
022417-B15-6A 031705050-0027	BASEMENT - GYPSUM BOARD CEILING PLASTER	Brown/White Non-Fibrous Homogeneous	8% Cellulose	60% Gypsum 32% Non-fibrous (Other)	None Detected
022417-B15-6B 031705050-0028	BASEMENT - GYPSUM BOARD CEILING PLASTER	Brown/Gray Non-Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected

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**Project:** 2257316087/ CTDCS/ BLD 15/ VETERANS HOME ROCK HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022417-B15-7A 031705050-0029	BASEMENT - FIBERBOARD	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
022417-B15-7B 031705050-0030	BASEMENT - FIBERBOARD	Brown Non-Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
022417-B15-8A 031705050-0031	1ST FLOOR BATHROOM - 6" BROWN COVE BASE	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
022417-B15-8B 031705050-0032	1ST FLOOR BATHROOM - 6" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
022417-B15-9A 031705050-0033	1ST FLOOR BATHROOM - ADHESIVE FOR 6" BROWN COVE BASE	Yellow Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
022417-B15-9B 031705050-0034	1ST FLOOR BATHROOM - ADHESIVE FOR 6" BROWN COVE BASE	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
022417-B15-10A 031705050-0035	1ST FLOOR BATHROOM - 12"x12" BEIGE WITH GREEN FLOOR TILE	Gray/White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
022417-B15-10B 031705050-0036	KITCHEN - 12"x12" BEIGE WITH GREEN FLOOR TILE	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
022417-B15-11A 031705050-0037	1ST FLOOR BATHROOM - ADHESIVE FOR 12"x12" BEIGE WITH GREEN FLOOR TILE	Yellow Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 05:48:43



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705050
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/25/2017 11:10 AM  
**Analysis Date:** 02/26/2017 - 02/27/2017  
**Collected Date:** 02/24/2017

**Project:** 2257316087/ CTDCS/ BLD 15/ VETERANS HOME ROCK HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022417-B15-11B 031705050-0038	KITCHEN - ADHESIVE FOR 12"x12" BEIGE WITH GREEN FLOOR TILE	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
022417-B15-12A 031705050-0039	KITCHEN - BLACK PAPER UNDER 12"x12" BEIGE WITH GREEN FLOOR TILE	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
022417-B15-12B 031705050-0040	KITCHEN - BLACK PAPER UNDER 12"x12" BEIGE WITH GREEN FLOOR TILE	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
022417-B15-13A 031705050-0041	BASEMENT - PAPER UNDER WOOD FLOOR	Brown/Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
022417-B15-13B 031705050-0042	BASEMENT - PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 05:48:43



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705050
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 02/25/2017 11:10 AM <b>Analysis Date:</b> 02/26/2017 - 02/27/2017 <b>Collected Date:</b> 02/24/2017
<b>Project:</b> 2257316087/ CTDCS/ BLD 15/ VETERANS HOME ROCK HILL, CT	

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	02/25/2017	Sample Receipt Time:	11:10 AM
Analysis Completed Date:	02/27/2017	Analysis Completed Time:	4:09 AM

### **Analyst(s):**

Ghaly Hemaya PLM (13)

Jon Williams PLM (29)

### **Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 05:48:43



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Werst Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-24-17 Project Manager: E. Fennell  
 Signature: Alisa Werst Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 42  
 Building: Bldg 15 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Basement	Plaster wall - Skim coat	S				2	022417-BIS-1A
Foyer	"					3	1B
Kitchen	"					4	1C
Dining Room	"					5	1D
Living Room	"					6	1E
Bed Room 3	"					7	1F
"	"						19
Basement	Plaster wall - base coat					2	2A
Foyer	"					3	2B
Kitchen	"					4	2C
Dining Room	"					5	2D
Living Room	"					6	2E
Bed Room 3	"					7	2F
"	"						29

Comments: PLAN

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (-4ft-1-6ft->6ft) Accessibility (within-reach-barely-reachable-not-reachable) Air shafts (air plenum - air shaft - elevator shaft - duct)  
 Relinquished By/Date: Alisa Werst 2-24-17 Received By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

Erability (yes-no; hard-mod-soft surface) \_\_\_\_\_  
 Barriers (perm airtight-enclosed-encapsulated) \_\_\_\_\_  
 Texture (rough-pitted-moderate-smooth) \_\_\_\_\_

17 FEB 25 AM 11:10  
 RECEIVED

FX 8109 9990 2243





# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <u>Alisa Werst</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>					
Survey Date: <u>2-24-17</u>		Project Manager: <u>F. Fennell</u>					
Signature: <u>Alan Werst</u>		Requested Completion Date: _____					
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY					
Building: <u>Blk 15</u>		Address: <u>Veterans Home, Rocky Hill CT</u>					
Location	Material Description	Type S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_homogeneous material	Field Number
Foyer closet	Plaster ceiling - skim	S				2	022417-B1E-3A
2nd Floor Hall closet	coat	"				3	3B
Bedroom 1	"	"				4	3C
↓	"	"				5	3D
↓	"	"					3E
Foyer closet	Plaster ceiling - Base coat					1	4A
2nd Floor Hall closet						2	4B
2nd Floor Hall closet	"					3	4C
Bedroom 1	"					4	4D
↓	"					5	4E
Basement	gypsum board ceiling	Misc				1	5A
↓	gypsum board behind plaster	↓				2	5B
						2	5A
							5B
							5A
							5B
							5A
							5B

Comments: PCM

Notes: Damage Factors: \_\_\_\_\_

Disturbance Factors: \_\_\_\_\_

Relinquished By/Date: Alan Werst 2-24-17

Relinquished By/Date: \_\_\_\_\_

Received By/Date: Alisa Werst 2/25/17 11:10AM

Received By/Date: \_\_\_\_\_

Water (extensive-moderate-slight-none) \_\_\_\_\_

Physical (sig dmg-dmg-no dmg) \_\_\_\_\_

Proximity (<1ft-1.6ft->6ft) \_\_\_\_\_

Ventilation (yes/no; if yes, type) \_\_\_\_\_

Accessibility (within reach-barely reachable-not reachable) \_\_\_\_\_

Air conduits (air plenum - air shaft - elevator shaft - duct) \_\_\_\_\_

Deterioration (heavy-moderate-light-none) \_\_\_\_\_

Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) \_\_\_\_\_

Air movement (high-moderate-low) \_\_\_\_\_

Triability (yes-no; hard-mod-soft surface) \_\_\_\_\_

Barriers (perm airtight-moderate-encapsulated) \_\_\_\_\_

Texture (rough-pitted-moderate-smooth) \_\_\_\_\_



**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Weist Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-24-17 Project Manager: E. Fennell  
 Signature: Alm Weist Requested Completion Date:  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 42  
 Building: Bld 15 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Basement	Fiber board	MISC				1 2	022417-B15-7A
1st Floor Bathroom	6" Brown Cove base					1 2	7B
	adhesive for 6" Brown Cove base					1 2	8A
	12" x 17" beige with green Floor tilt					1 2	8B
Kitchen						1 2	9A
1st Floor Bathroom	adhesive for 12"x12" beige with green Floor film					1 2	9B
Kitchen	black paper under					1 2	10A
"	12"x12" beige with green Floor film					1 2	10B
Basement	Paper under wood Floor					1 2	11A
"						1 2	11B
"						1 2	12A
"						1 2	12B
"						1 2	13A
"						1 2	13B

Comments: PLAN

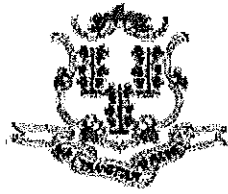
Notes  
 Damage Factors: Physical (sig dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<4ft-1-6ft->6ft) Accessibility (within-reach-barely-reachable-not-reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)  
 Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alm Weist 2-24-17 Received By/Date: Quimby 2/25/17  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

S:\BldgSci\Admin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

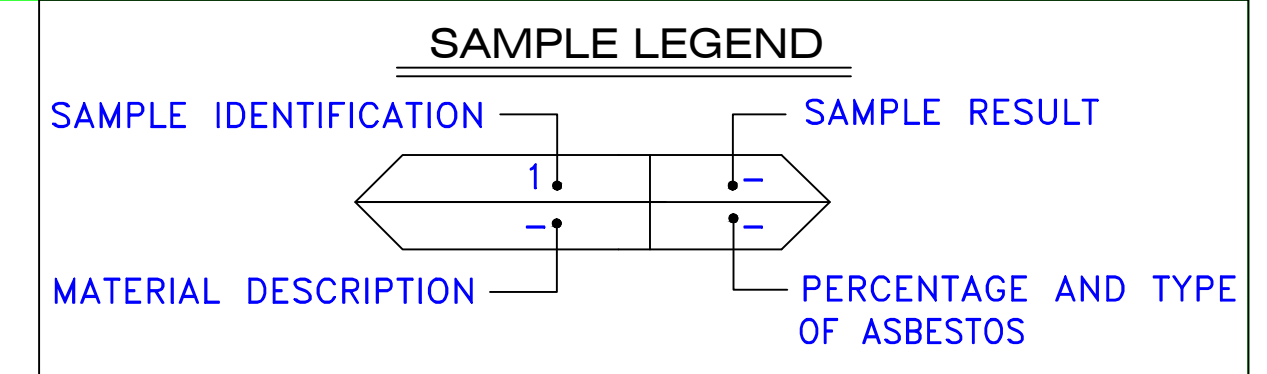
Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**

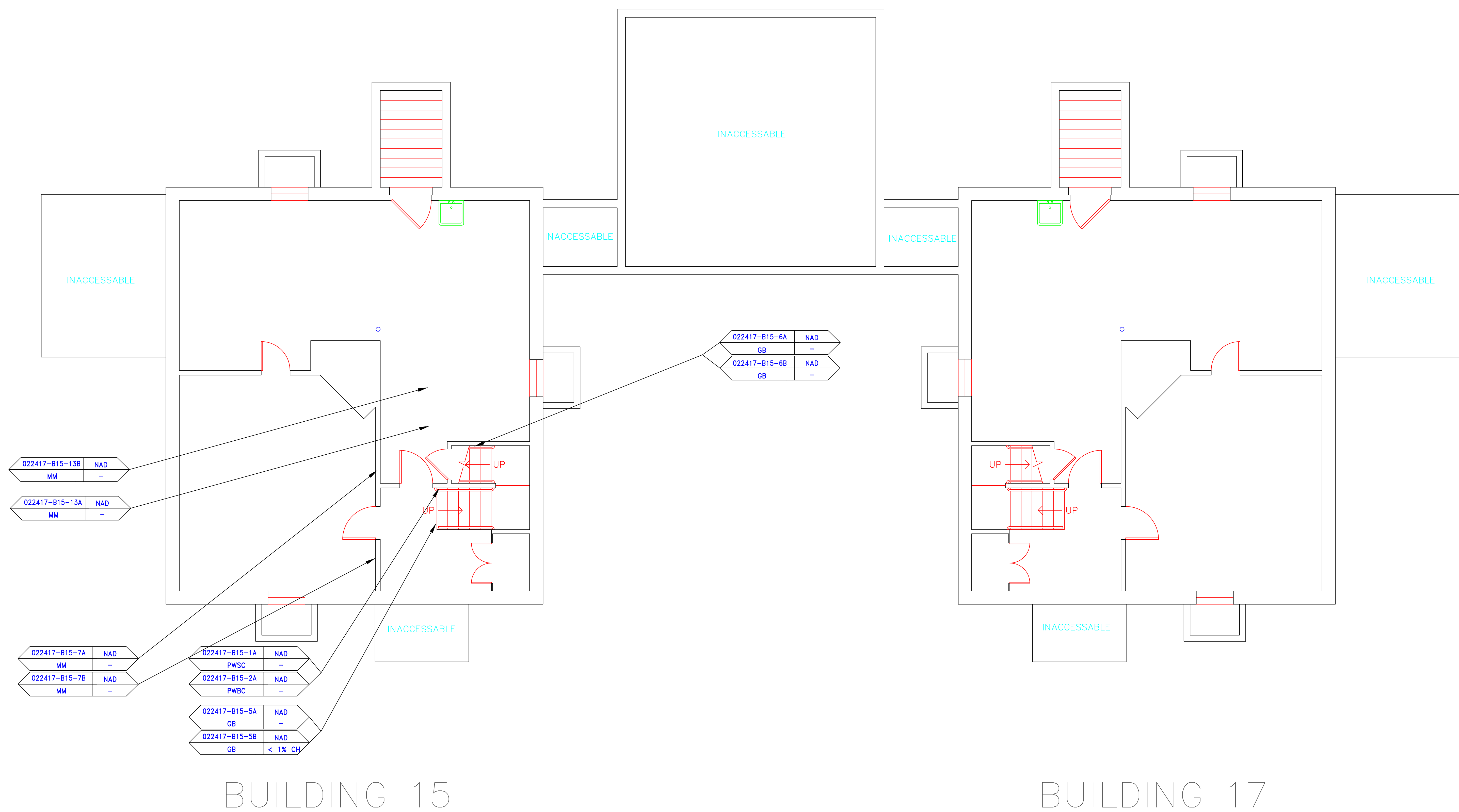




AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSTOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

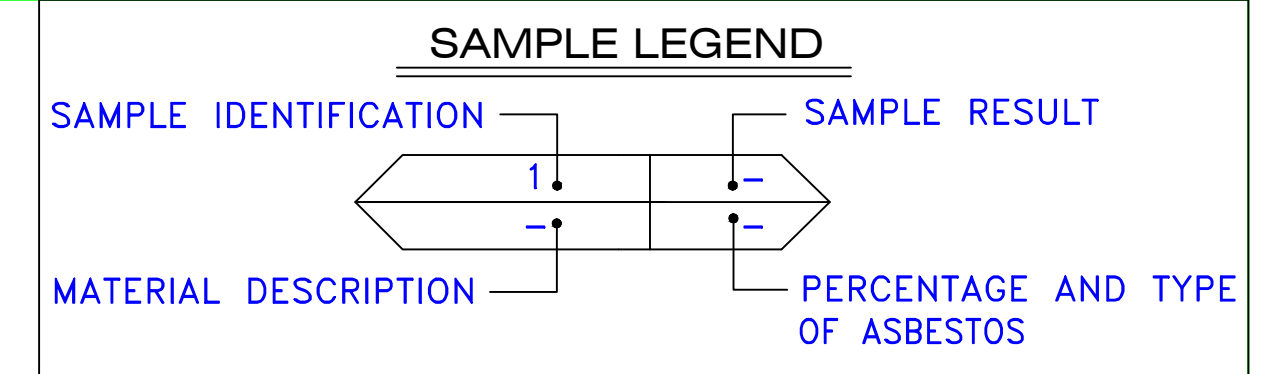
**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS



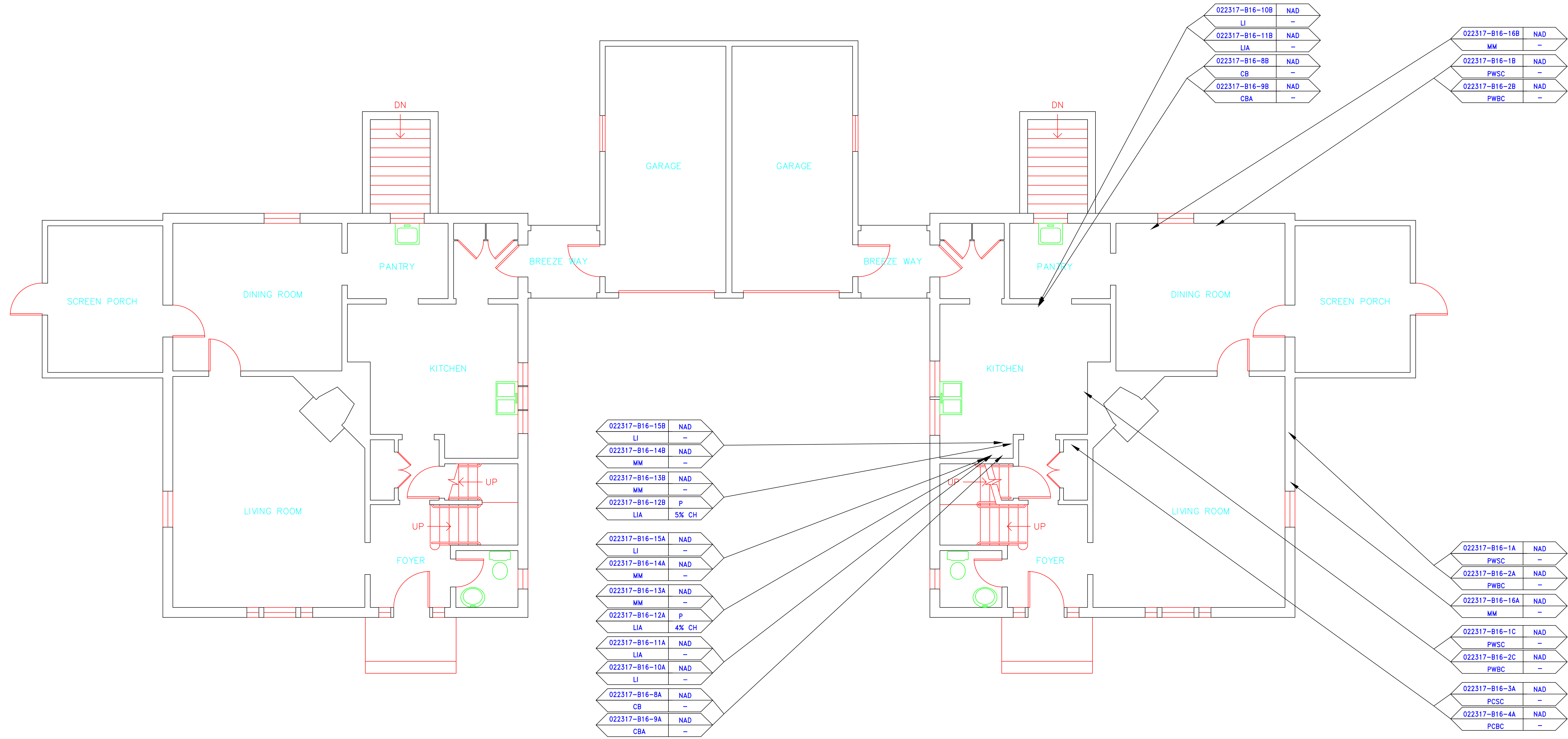
BUILDING 15

BUILDING 17

drawing title <b>SAMPLE LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Tel: 860-261-3000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 15 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-BA



MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE



BUILDING 14

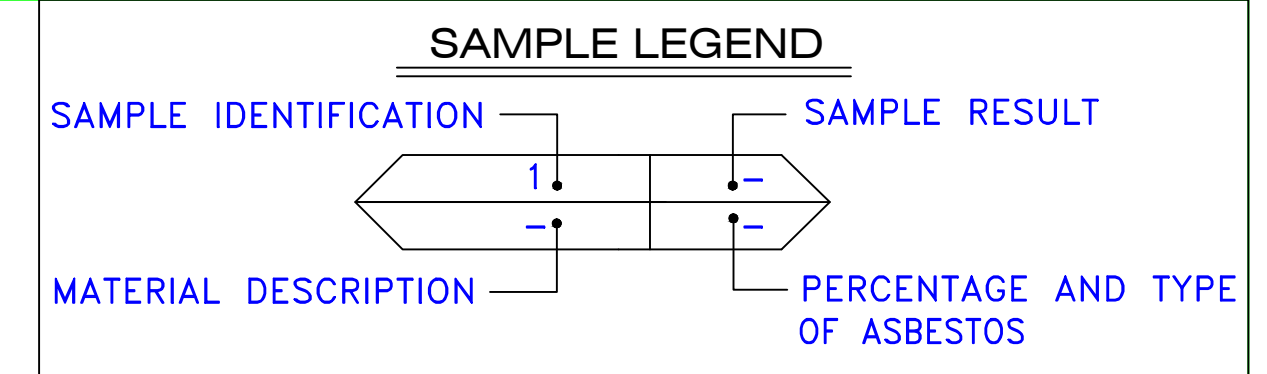
BUILDING 16

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

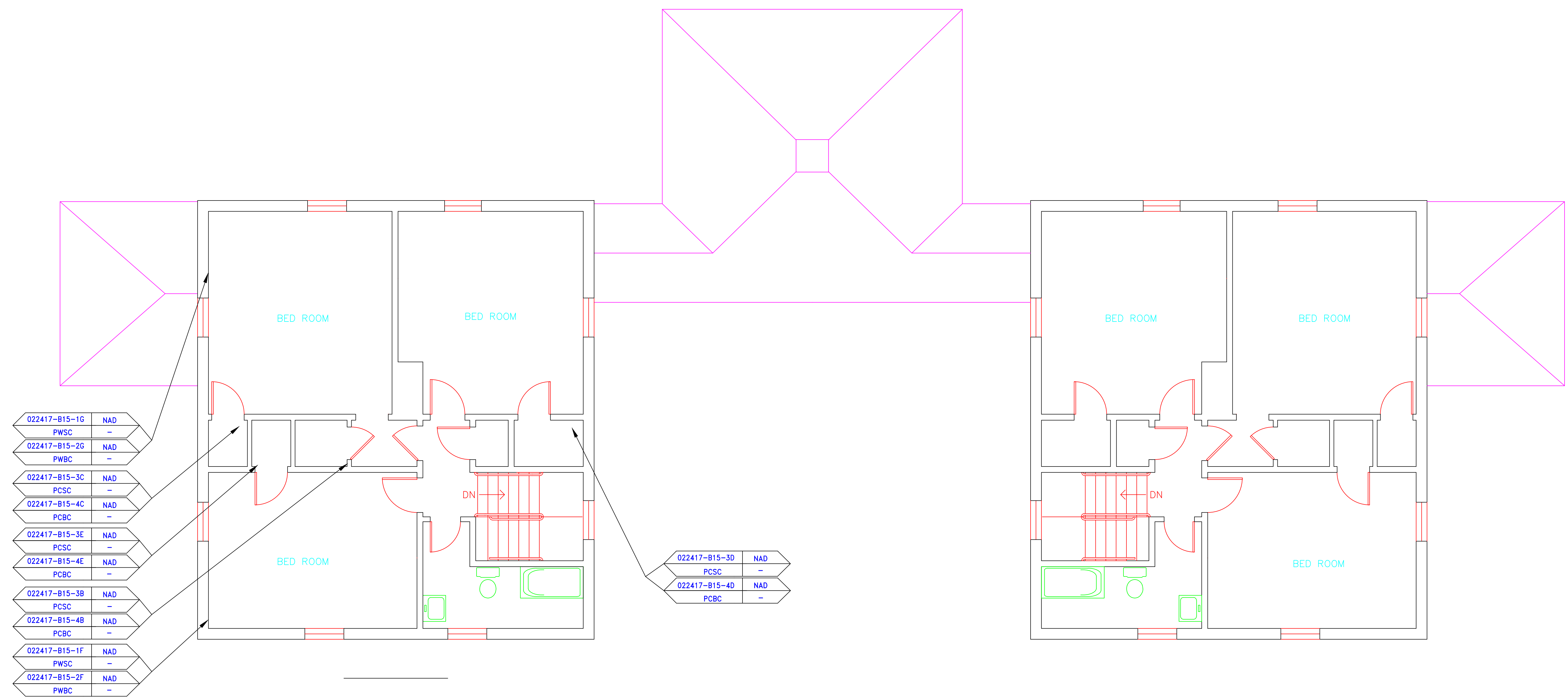
**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title	SAMPLE LOCATION FIRST FLOOR PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES
mark	date	description	date
			3/17/17
			SCALE: 1/4" = 1'
project: BUILDING INSPECTION RESIDENCE BUILDING 16 STATE VETERANS HOME ROCKY HILL, CONNECTICUT			drawn by: AMW
			approved by: EF
CAD no.	project no.		drawing no. ASB-1A
	2257316087		





AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FJC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSON BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



022417-B15-1G	NAD
PWSC	-
022417-B15-2G	NAD
PWSC	-
022417-B15-3C	NAD
PCSC	-
022417-B15-4C	NAD
PCBC	-
022417-B15-3E	NAD
PCSC	-
022417-B15-4E	NAD
PCBC	-
022417-B15-3B	NAD
PCSC	-
022417-B15-4B	NAD
PCBC	-
022417-B15-1F	NAD
PWSC	-
022417-B15-2F	NAD
PWSC	-

022417-B15-3D	NAD
PCSC	-
022417-B15-4D	NAD
PCBC	-

BUILDING 15

BUILDING 17

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>SAMPLE LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Tel: 860-261-3000 Fax: 860-261-3001	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 15 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no.	drawn by AMW approved by EF drawing no. ASB-2A
		2257316087	



---

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 16  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53712  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Residence, Building 16, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



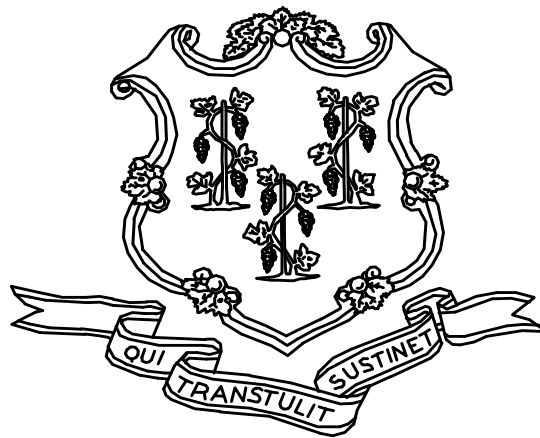
---

Edward P. Fennell Jr., P.E.  
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For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 16  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53712  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Residence, Building 16 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 23, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: plaster ceiling, plaster wall, floor tile and associated mastic, sheet flooring and associated adhesive, carpet adhesive cove base and associated adhesive, paper under wood floor, fiber board, gypsum board and joint compound.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Black Adhesive Under Beige Square Sheet Floor

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall-Skim Coat
- Plaster Wall-Base Coat
- Plaster Ceiling-Skim Coat
- Plaster Ceiling-Base Coat
- Gypsum Board
- Joint Compound
- Carpet Adhesive
- 4" Gray Cove Base and Associated Adhesive
- Beige Square Sheet Floor
- Yellow Adhesive for Beige Square Sheet Floor
- Brown Fiber Board Under Sheet Floor
- Gray Paper Under Fiber Board

- Gray Sheet Floor Under Fiber Board
- Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.



## 6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 16 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022317-B16-1A	Living Room	Plaster Wall - Skim Coat	ND	
022317-B16-1B	Dining Room	Plaster Wall - Skim Coat	ND	
022317-B16-1C	Kitchen	Plaster Wall - Skim Coat	ND	
022317-B16-1D	Bedroom 1	Plaster Wall - Skim Coat	ND	
022317-B16-1E	Bedroom 2	Plaster Wall - Skim Coat	ND	
022317-B16-1F	Bedroom 3	Plaster Wall - Skim Coat	ND	
022317-B16-1G	2nd Floor Bathroom	Plaster Wall - Skim Coat	ND	
022317-B16-2A	Living Room	Plaster Wall - Base Coat	ND	
022317-B16-2B	Dining Room	Plaster Wall - Base Coat	ND	
022317-B16-2C	Kitchen	Plaster Wall - Base Coat	ND	
022317-B16-2D	Bedroom 1	Plaster Wall - Base Coat	ND	
022317-B16-2E	Bedroom 2	Plaster Wall - Base Coat	ND	
022317-B16-2F	Bedroom 3	Plaster Wall - Base Coat	ND	
022317-B16-2G	2nd Floor Bathroom	Plaster Wall - Base Coat	ND	
022317-B16-3A	Foyer Closet	Plaster Ceiling - Skim Coat	ND	
022317-B16-3B	Bedroom 1	Plaster Ceiling - Skim Coat	ND	
022317-B16-3C	Bedroom 2	Plaster Ceiling - Skim Coat	ND	
022317-B16-3D	Bedroom 3	Plaster Ceiling - Skim Coat	ND	
022317-B16-3E	Bedroom 2	Plaster Ceiling - Skim Coat	ND	
022317-B16-4A	Foyer Closet	Plaster Ceiling - Base Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED/PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 16 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022317-B16-4B	Bedroom 1	Plaster Ceiling - Base Coat	ND	
022317-B16-4C	Bedroom 2	Plaster Ceiling - Base Coat	ND	
022317-B16-4D	Bedroom 3	Plaster Ceiling - Base Coat	ND	
022317-B16-4E	Bedroom 2	Plaster Ceiling - Base Coat	ND	
022317-B16-5A	Basement	Carpet Adhesive	ND	
022317-B16-5B	Basement	Carpet Adhesive	ND	
022317-B16-6A	Basement	Gypsum Board	ND	
022317-B16-6B	Basement Boiler Rm	Gypsum Board	ND	
022317-B16-7A	Basement	Joint Compound	ND	
022317-B16-7B	Basement Boiler Rm	Joint Compound	ND	
022317-B16-8A	Kitchen	4" Gray Cove Base	ND	
022317-B16-8B	Kitchen	4" Gray Cove Base	ND	
022317-B16-9A	Kitchen	Adhesive for 4" Gray Cove Base	ND	
022317-B16-9B	Kitchen	Adhesive for 4" Gray Cove Base	ND	
022317-B16-10A	Kitchen	Beige Square Sheet Floor	ND	
022317-B16-10B	Kitchen	Beige Square Sheet Floor	ND	
022317-B16-11A	Kitchen	Yellow Adhesive for Beige Square Sheet Floor	ND	
022317-B16-11B	Kitchen	Yellow Adhesive for Beige Square Sheet Floor	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDEDPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 16 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022317-B16-12A	Kitchen	Black Adhesive Under Beige Square Sheet Floor	4	Chrysotile
022317-B16-12B	Kitchen	Black Adhesive Under Beige Square Sheet Floor	5	Chrysotile
022317-B16-13A	Kitchen	Brown Fiber Board Under Sheet Floor	ND	
022317-B16-13B	Kitchen	Brown Fiber Board Under Sheet Floor	ND	
022317-B16-14A	Kitchen	Gray Paper Under Fiber Board	ND	
022317-B16-14B	Kitchen	Gray Paper Under Fiber Board	ND	
022317-B16-15A	Kitchen	Gray Sheet Floor Under Fiber Board	ND	
022317-B16-15B	Kitchen	Gray Sheet Floor Under Fiber Board	ND	
022317-B16-16A	Living Room	Paper Under Wood Floor	ND	
022317-B16-16B	Dining Room	Paper Under Wood Floor	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705027

**Customer ID:** ATCE54

**Customer PO:** 17-10133-000

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 02/24/2017 10:47 AM

**Analysis Date:** 02/27/2017

**Collected Date:** 02/23/2017

**Project:** 2257316087/ CTDCS/ BLD 16, VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022317-B16-1A 031705027-0001	LIVING ROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		44% Ca Carbonate 56% Non-fibrous (Other)	None Detected
022317-B16-1B 031705027-0002	DINING ROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		56% Ca Carbonate 44% Non-fibrous (Other)	None Detected
022317-B16-1C 031705027-0003	KITCHEN - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		53% Ca Carbonate 47% Non-fibrous (Other)	None Detected
022317-B16-1D 031705027-0004	BEDROOM 1 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 15% Gypsum 31% Non-fibrous (Other)	None Detected
022317-B16-1E 031705027-0005	BEDROOM 2 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		51% Ca Carbonate 12% Gypsum 37% Non-fibrous (Other)	None Detected
022317-B16-1F 031705027-0006	BEDROOM 3 - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		53% Ca Carbonate 47% Non-fibrous (Other)	None Detected
022317-B16-1G 031705027-0007	2ND FLOOR BATHROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022317-B16-2A 031705027-0008	LIVING ROOM - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		23% Quartz 45% Gypsum 32% Non-fibrous (Other)	None Detected
022317-B16-2B 031705027-0009	DINING ROOM - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		33% Quartz 35% Gypsum 32% Non-fibrous (Other)	None Detected
022317-B16-2C 031705027-0010	KITCHEN - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 24% Ca Carbonate 31% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Initial report from: 02/27/2017 12:19:35



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705027

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**Customer PO:** 17-10133-000

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
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**Received Date:** 02/24/2017 10:47 AM

**Analysis Date:** 02/27/2017

**Collected Date:** 02/23/2017

**Project:** 2257316087/ CTDCS/ BLD 16, VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022317-B16-2D 031705027-0011	BEDROOM 1 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		28% Quartz 32% Gypsum 40% Non-fibrous (Other)	None Detected
022317-B16-2E 031705027-0012	BEDROOM 2 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		22% Quartz 47% Gypsum 31% Non-fibrous (Other)	None Detected
022317-B16-2F 031705027-0013	BEDROOM 3 - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		28% Quartz 47% Gypsum 25% Non-fibrous (Other)	None Detected
022317-B16-2G 031705027-0014	2ND FLOOR BATHROOM - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		45% Quartz 35% Gypsum 20% Non-fibrous (Other)	None Detected
022317-B16-3A 031705027-0015	FOYER CLOSET - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
022317-B16-3B 031705027-0016	BEDROOM 1 - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		47% Ca Carbonate 20% Gypsum 33% Non-fibrous (Other)	None Detected
022317-B16-3C 031705027-0017	BEDROOM 2 - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 46% Non-fibrous (Other)	None Detected
022317-B16-3D 031705027-0018	BEDROOM 3 - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		54% Ca Carbonate 21% Gypsum 25% Non-fibrous (Other)	None Detected
022317-B16-3E 031705027-0019	BEDROOM 2 - PLASTER CEILING - SKIM COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022317-B16-4A 031705027-0020	FOYER CLOSET - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		28% Quartz 34% Gypsum 38% Non-fibrous (Other)	None Detected

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Initial report from: 02/27/2017 12:19:35



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705027

**Customer ID:** ATCE54

**Customer PO:** 17-10133-000

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 02/24/2017 10:47 AM

**Analysis Date:** 02/27/2017

**Collected Date:** 02/23/2017

**Project:** 2257316087/ CTDCS/ BLD 16, VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022317-B16-4B 031705027-0021	BEDROOM 1 - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		25% Quartz 40% Gypsum 35% Non-fibrous (Other)	None Detected
022317-B16-4C 031705027-0022	BEDROOM 2 - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		28% Quartz 33% Gypsum 39% Non-fibrous (Other)	None Detected
022317-B16-4D 031705027-0023	BEDROOM 3 - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		30% Quartz 12% Ca Carbonate 22% Gypsum 36% Non-fibrous (Other)	None Detected
022317-B16-4E 031705027-0024	BEDROOM 2 - PLASTER CEILING - BASE COAT	Brown Non-Fibrous Homogeneous		35% Quartz 45% Gypsum 20% Non-fibrous (Other)	None Detected
022317-B16-5A 031705027-0025	BASEMENT - CARPET ADHESIVE	Yellow Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected
022317-B16-5B 031705027-0026	BASEMENT - CARPET ADHESIVE	Yellow Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
022317-B16-6A 031705027-0027	BASEMENT - GYPSUM BOARD	Gray Non-Fibrous Homogeneous	8% Cellulose	63% Gypsum 29% Non-fibrous (Other)	None Detected
022317-B16-6B 031705027-0028	BASEMENT BOILER RM - GYPSUM BOARD	Brown/Gray Non-Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
022317-B16-7A 031705027-0029	BASEMENT - JOINT COMPOUND	White Non-Fibrous Homogeneous		63% Ca Carbonate 2% Mica 35% Non-fibrous (Other)	None Detected
022317-B16-7B 031705027-0030	BASEMENT BOILER RM - JOINT COMPOUND	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected

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Initial report from: 02/27/2017 12:19:35





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307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

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**EMSL Order:** 031705027

**Customer ID:** ATCE54

**Customer PO:** 17-10133-000

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 02/24/2017 10:47 AM

**Analysis Date:** 02/27/2017

**Collected Date:** 02/23/2017

**Project:** 2257316087/ CTDCS/ BLD 16, VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022317-B16-8A 031705027-0031	KITCHEN - 4" GRAY COVE BASE	Brown Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
022317-B16-8B 031705027-0032	KITCHEN - 4" GRAY COVE BASE	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
022317-B16-9A 031705027-0033	KITCHEN - ADHESIVE FOR 4" GRAY COVE BASE	Beige Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
022317-B16-9B 031705027-0034	KITCHEN - ADHESIVE FOR 4" GRAY COVE BASE	White Non-Fibrous Homogeneous	4% Cellulose	10% Ca Carbonate 86% Non-fibrous (Other)	None Detected
022317-B16-10A 031705027-0035	KITCHEN - BEIGE SQUARE SHEET FLOOR	Gray Fibrous Homogeneous	44% Cellulose 12% Glass	44% Non-fibrous (Other)	None Detected
022317-B16-10B 031705027-0036	KITCHEN - BEIGE SQUARE SHEET FLOOR	Beige Non-Fibrous Homogeneous	20% Cellulose 15% Glass	40% Ca Carbonate 25% Non-fibrous (Other)	None Detected
022317-B16-11A 031705027-0037	KITCHEN - YELLOW ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Yellow Non-Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (Other)	None Detected
022317-B16-11B 031705027-0038	KITCHEN - YELLOW ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Yellow Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
022317-B16-12A 031705027-0039	KITCHEN - BLACK ADHESIVE UNDER BEIGE SQUARE SHEET FLOOR	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
022317-B16-12B 031705027-0040	KITCHEN - BLACK ADHESIVE UNDER BEIGE SQUARE SHEET FLOOR	Black Non-Fibrous Homogeneous	15% Cellulose	80% Non-fibrous (Other)	5% Chrysotile

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**Project:** 2257316087/ CTDCS/ BLD 16, VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022317-B16-13A 031705027-0041	KITCHEN - BROWN FIBER BOARD UNDER SHEET FLOOR	Brown Fibrous Homogeneous	96% Cellulose	4% Non-fibrous (Other)	None Detected
022317-B16-13B 031705027-0042	KITCHEN - BROWN FIBER BOARD UNDER SHEET FLOOR	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
022317-B16-14A 031705027-0043	KITCHEN - GRAY PAPER UNDER FIBER BOARD	Gray Fibrous Homogeneous	82% Cellulose	18% Non-fibrous (Other)	None Detected
022317-B16-14B 031705027-0044	KITCHEN - GRAY PAPER UNDER FIBER BOARD	Gray Fibrous Homogeneous	88% Cellulose	12% Non-fibrous (Other)	None Detected
022317-B16-15A 031705027-0045	KITCHEN - GRAY SHEET FLOOR UNDER FIBER BOARD	Gray Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
022317-B16-15B 031705027-0046	KITCHEN - GRAY SHEET FLOOR UNDER FIBER BOARD	Gray/Tan Non-Fibrous Homogeneous	45% Cellulose	25% Ca Carbonate 30% Non-fibrous (Other)	None Detected
022317-B16-16A 031705027-0047	LIVING ROOM - PAPER UNDER WOOD FLOOR	Gray Non-Fibrous Homogeneous		13% Ca Carbonate 43% Gypsum 44% Non-fibrous (Other)	None Detected
022317-B16-16B 031705027-0048	DIINING ROOM - PAPER UNDER WOOD FLOOR	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected

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Initial report from: 02/27/2017 12:19:35



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Tel/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705027  
**Customer ID:** ATCE54  
**Customer PO:** 17-10133-000  
**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CTDCS/ BLD 16, VETERANS HOME, ROCKY HILL CT

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/24/2017 10:47 AM  
**Analysis Date:** 02/27/2017  
**Collected Date:** 02/23/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 02/24/2017      Sample Receipt Time: 10:47 AM  
Analysis Completed Date: 02/27/2017      Analysis Completed Time: 2:34 AM

**Analyst(s):**

Deen Liang PLM (32)

Emily Myint PLM (16)

**Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

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Initial report from: 02/27/2017 12:19:35

031705024

Page 1 of 4



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Weist Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 2-23-17 Project Manager: E. Fennell

Signature: Alisa Weist Requested Completion Date: \_\_\_\_\_

Lab Name: ENSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 5 DY No. Samples Collected 48

Building: Bld 16 Address: Veterans Home, Rocky Hill, CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Living Room	Plaster Wall- Skim coat	S				2	022317-816-1A
Dining Room	"					3	1B
Kitchen	"					4	1C
Bedroom 1	"					5	1D
2	"					6	1E
3	"					7	EIF
2nd Floor Bathroom	"					8	EIF
Living Room	Plaster wall Base coat					2	2017 FEB 24 AM 10:47
Dining Room	"					3	2A
Kitchen	"					4	2B
Bedroom 1	"					5	2C
2	"					6	2D
3	"					7	2E
2nd Floor Bathroom	"					8	2F
						9	2G

Comments: PLM

Notes:

Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)

Disturbance Factors: Proximity (<1ft- 1-6ft- >6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music m-auditorium-mechanical m-elevator-other) Barriers (perm airtight-enclosed-encapsulated)

Ventilation (veg-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Alt movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alisa Weist 2-23-17 Received By/Date: Jan 2/24/17 10:47 AM

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

7/8 8109 9890 2254



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardio ATC Inspector: <u>Alisa Weist</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>					
Survey Date: <u>2-23-17</u>		Project Manager: <u>E. Fennell</u>					
Signature: <u>Alisa Weist</u>		Requested Completion Date:					
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) <u>3 HR</u> 6 HR 24 HR 48 HR <u>3 DY</u> 5 DY					
Building: <u>Blck 16</u>		Address: <u>Veterans Home, Rocky Hill CT</u>					
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Foyer closet Bedroom	Plaster ceiling-skim coat	S				1 2 3	<del>2017-17-3B</del> 2017-17-3C 2017-17-3D 2017-17-3E 2017-17-3F
Foyer closet Bedroom	Plaster ceiling-base coat					1 2 3	24 AM 10:47 4A 4B 4C 4D 4E
Basement	carpet adhesive	MISC				1 2	5A
Basement BoilerRM	gypsum board	MISC				1 2	5B 6A 6B

Comments: PLAN

Notes:

Damage Factors: Physical (sig ding-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Eriability (yes-no; hard-mod-soft surfaces)

Disturbance Factors: Proximity (<4ft- 1-6ft- >6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music m-auditorium-mechanical m-elevator-other) Barriers (perm airtight-enclosed-encapsulated)

Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: \_\_\_\_\_ Received By/Date: John 2/24/17 10:47 AM

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

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28  
16  
44



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardio ATC Inspector: <u>Alisa Weist</u>	Client Name: <u>CTDCS</u>						
Accreditation No.: <u>736</u>	Project No./Task No.: <u>2257316087</u>						
Survey Date: <u>2-23-17</u>	Project Manager: <u>E. Fennell</u>						
Signature: <u>Chai Weist</u>	Requested Completion Date: _____						
Lab Name: <u>EMSL</u>	Requested turnaround time (circle) <u>3 HR</u>	6 HR 24 HR 48 HR <u>5 DY</u>					
Building: <u>Bldg 16</u>	Address: <u>Veterans Home, Rocky Hill CT</u>						
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
<u>Basement</u>	<u>Joint compound</u>	<u>MISC</u>				<u>1</u>	<u>022317-Bk-7A</u>
<u>Basement Boiler RM</u>	<u>4" gray cave base</u>					<u>2</u>	<u>7B</u>
<u>Kitchen</u>	<u>adhesive for 4" gray cave base</u>					<u>1</u>	<u>8A</u>
	<u>Beige square sheet Floor</u>					<u>2</u>	<u>8B</u>
	<u>Yellow adhesive for Beige square sheet Floor</u>					<u>1</u>	<u>9A</u>
	<u>Black adhesive under Beige square sheet Floor</u>					<u>2</u>	<u>9B</u>
	<u>Beige adhesive under Beige square sheet Floor</u>					<u>1</u>	<u>10A</u>
	<u>Brown Fiber Board under sheet Floor</u>					<u>2</u>	<u>10B</u>
	<u>gray paper under Fiber board</u>					<u>1</u>	<u>11A</u>
						<u>2</u>	<u>12B</u>
						<u>1</u>	<u>13A</u>
						<u>2</u>	<u>13B</u>
						<u>1</u>	<u>14A</u>
						<u>2</u>	<u>14B</u>

Notes: \_\_\_\_\_

Damage Factors: \_\_\_\_\_

Disturbance Factors: \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_

Comments: PLAN

Water (extensive-moderate-slight none) \_\_\_\_\_

Accessibility (within reach-barely reachable-not reachable) \_\_\_\_\_

Air conduits (air plenum - air shaft - elevator shaft - duct) \_\_\_\_\_

Physical (sig dmg-dmg-no dmg) \_\_\_\_\_

Proximity (<1ft-1-6ft->6ft) \_\_\_\_\_

Ventilation (yes-no; if yes, type) \_\_\_\_\_

Deterioration (heavy-moderate-light-none) \_\_\_\_\_

Vibration (sym-music rm-auditorium-mechanical rm-elevator-other) \_\_\_\_\_

Air movement (high-moderate-low) \_\_\_\_\_

Fraility (yes-no; hard-mod-soft surface) \_\_\_\_\_

Barriers (perm airtight-enclosed-encapsulated) \_\_\_\_\_

Texture (rough-pitted-moderate-smooth) \_\_\_\_\_

Received By/Date: Chai Weist 2-23-17

Received By/Date: Chai Weist 2/24/17 10:47AM

S:\BldgAdmin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc

**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Weist Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-23-17 Project Manager: E. Fennell  
 Signature: Alisa Weist Requested Completion Date:

Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 5 DY No. Samples Collected 48  
 Building: Blk 16 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Kitchen	gray sheet floor under fiber board	MISC				1 2	022317-Blk-15A
Living Room	Paper under wood Floor	↓				1 2	15B 16A 16B

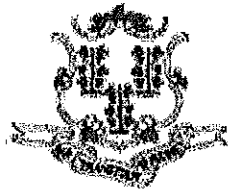
UNGL MANHATTAN  
RECEIVED  
2017 FEB 24 AM 10:47

Comments: PLM

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music m-auditorium-mechanical m-elevator-other) Barriers (perm airtight-moderate-smooth)  
Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low) Texture (rough-plited-moderate-smooth)  
 Relinquished By/Date: Alisa Weist Received By/Date: Jan 24/17 10:47 AM  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

**APPENDIX A**  
**LICENSE AND CERTIFICATION**





State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

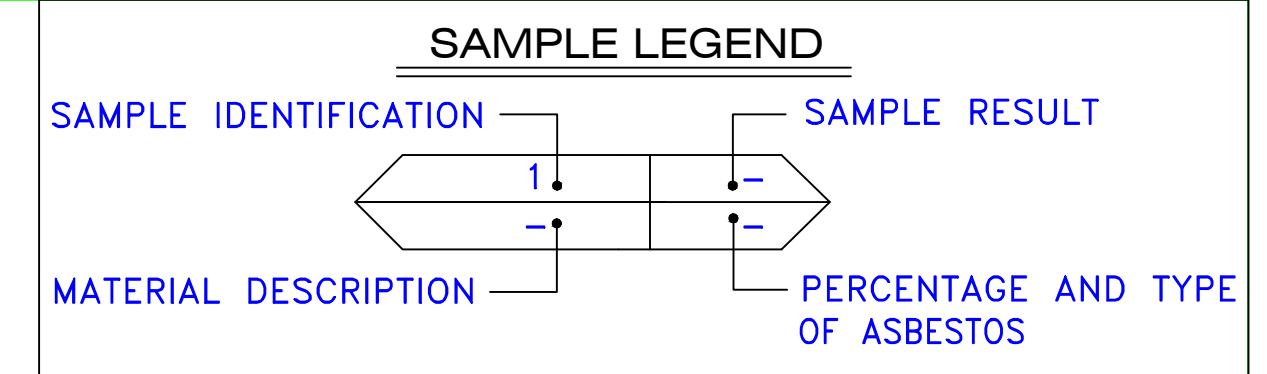
Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**

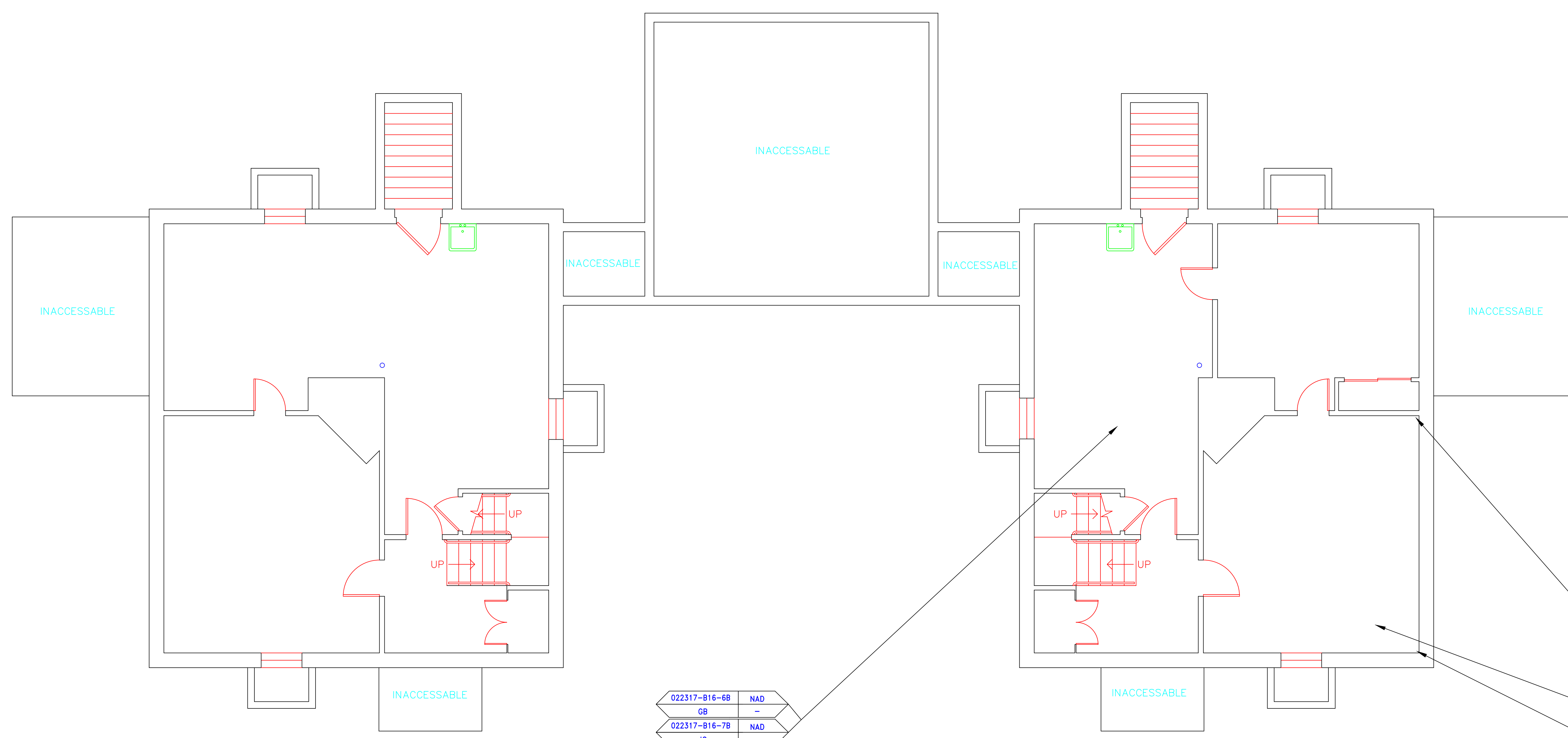




SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CTFG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EFJ	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING



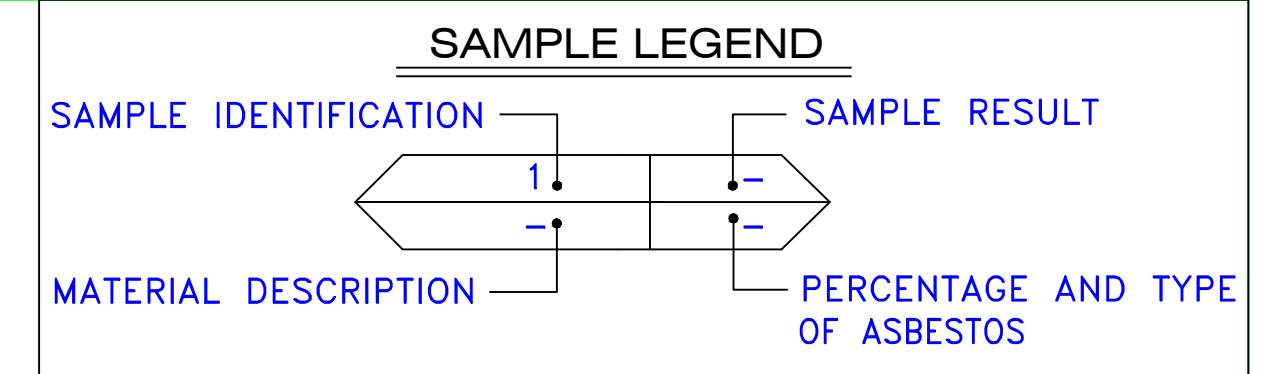
022317-B16-6B	NAD
GB	-
022317-B16-7B	NAD
JC	-

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CA	-

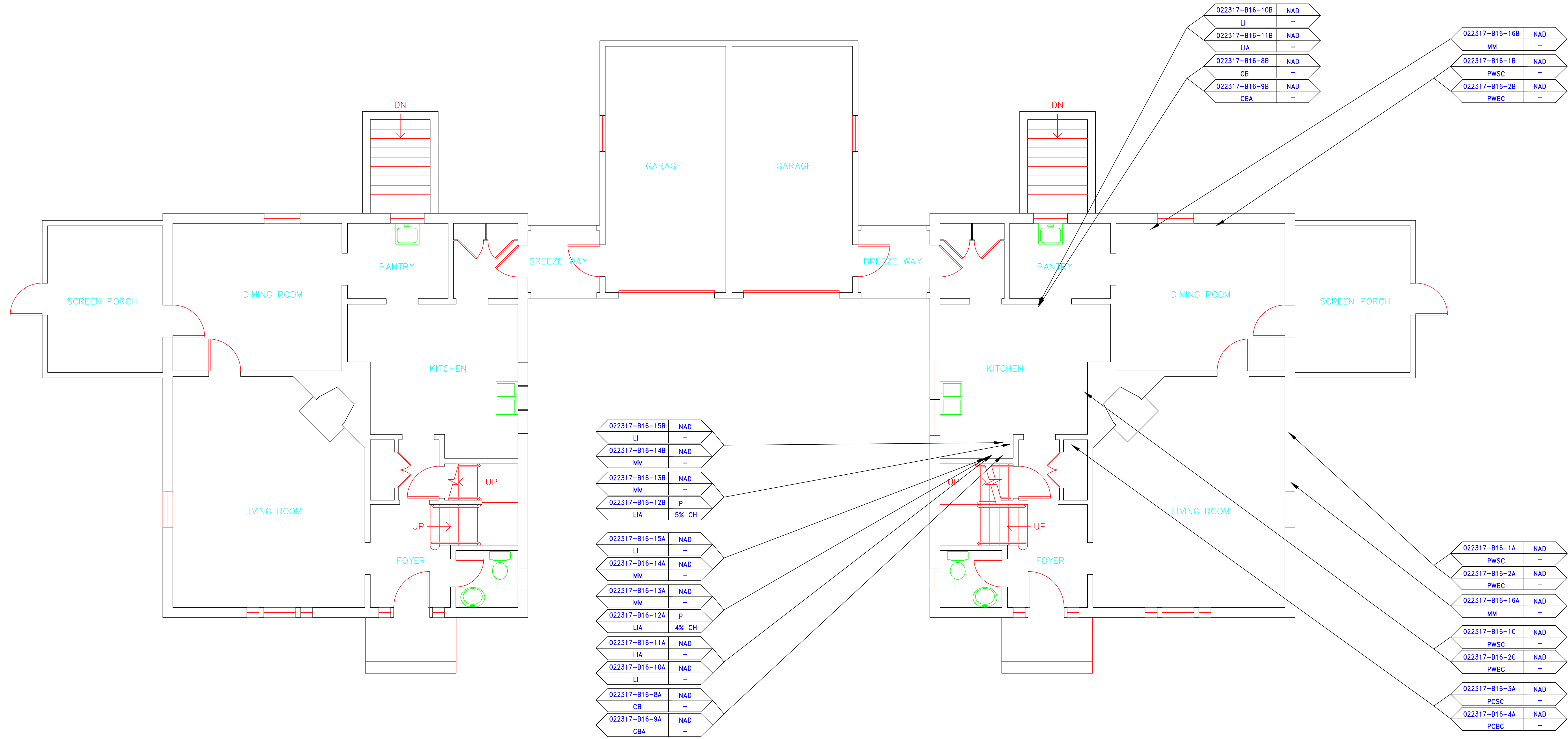
BUILDING 14

BUILDING 16

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION BASEMENT PLAN		ATC	
REVISIONS		3/17/17	
mark	date	description	SCALE: 1/4" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-BA
CAD no.	project no.	2257316087	



AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
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CWTA	=	CERAMIC WALL TILE ADHESIVE
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DC	=	DOOR CAULKING
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DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPNUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



BUILDING 14

BUILDING 16

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

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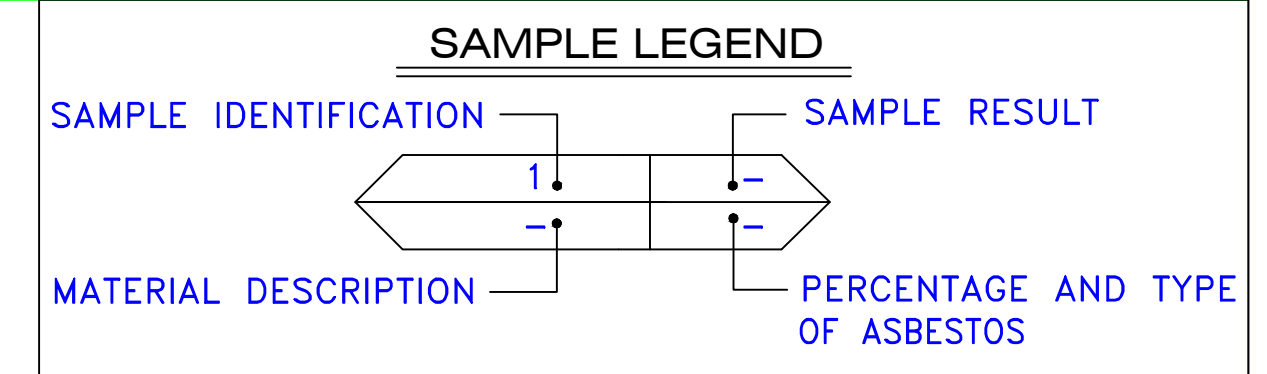
-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION FIRST FLOOR PLAN		DATE: 3/17/17	
REVISIONS		SCALE: 1/4" = 1'	
mark	date	description	drawn by
			AMW
			approved by
			EF
CAD no.	project no.	drawing no.	
	2257316087	ASB-1A	

**ATC**  
ENVIRONMENTAL - GEOTECHNICAL  
ENGINEERING, INC.

200 Roberts Street, Suite 301  
East Windsor, CT 06026  
Tel: 860-406-1000

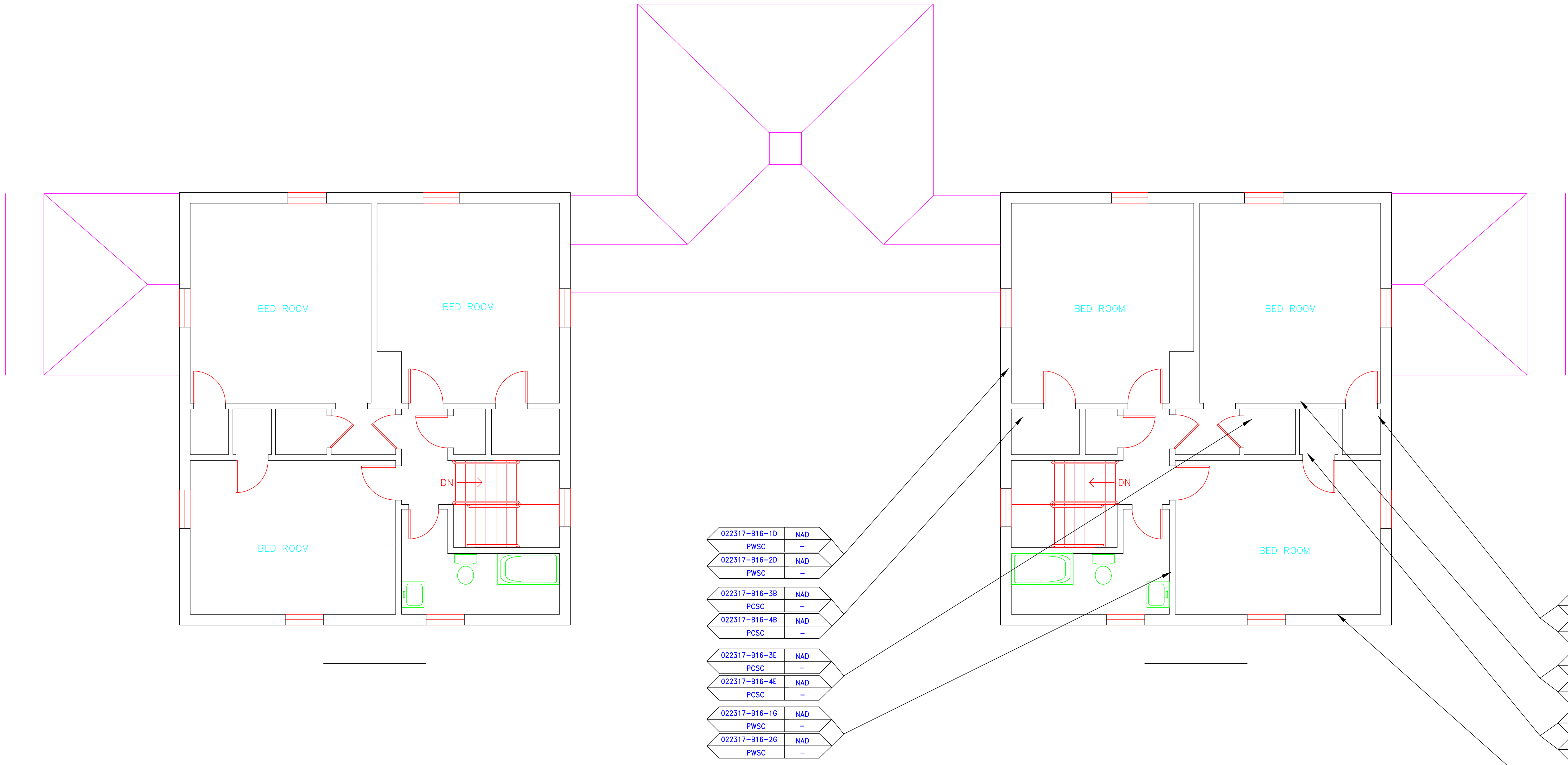
project: BUILDING INSPECTION  
RESIDENCE  
BUILDING 16  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT



MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
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FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
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NAD	= NO ASBESTOS DETECTED
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PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

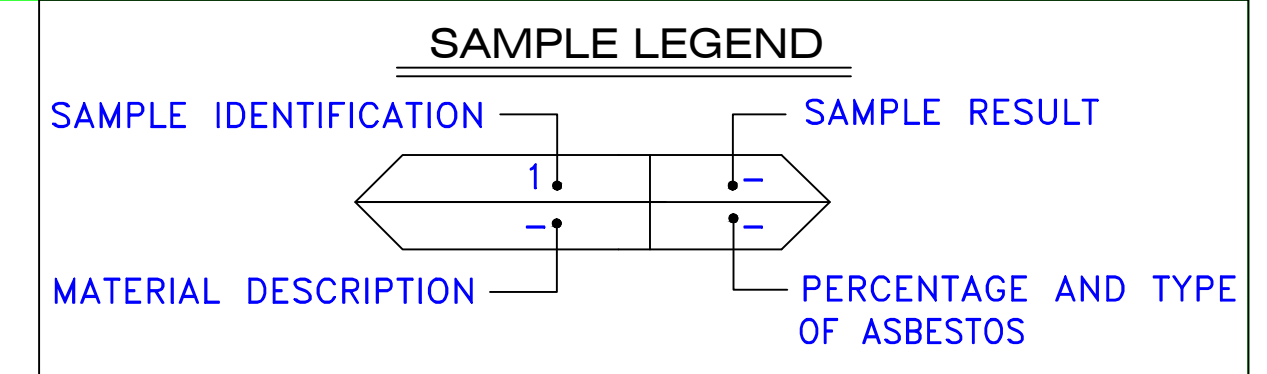
**NOTES**  
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022317-B16-1D	NAD
PWSC	-
022317-B16-2D	NAD
PWSC	-
022317-B16-3B	NAD
PCSC	-
022317-B16-4B	NAD
PCSC	-
022317-B16-3E	NAD
PCSC	-
022317-B16-4E	NAD
PCSC	-
022317-B16-1G	NAD
PWSC	-
022317-B16-2G	NAD
PWSC	-

022317-B16-3C	NAD
PCSC	-
022317-B16-4C	NAD
PCBC	-
022317-B16-1E	NAD
PWSC	-
022317-B16-2E	NAD
PWBC	-
022317-B16-3D	NAD
PCSC	-
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PCBC	-
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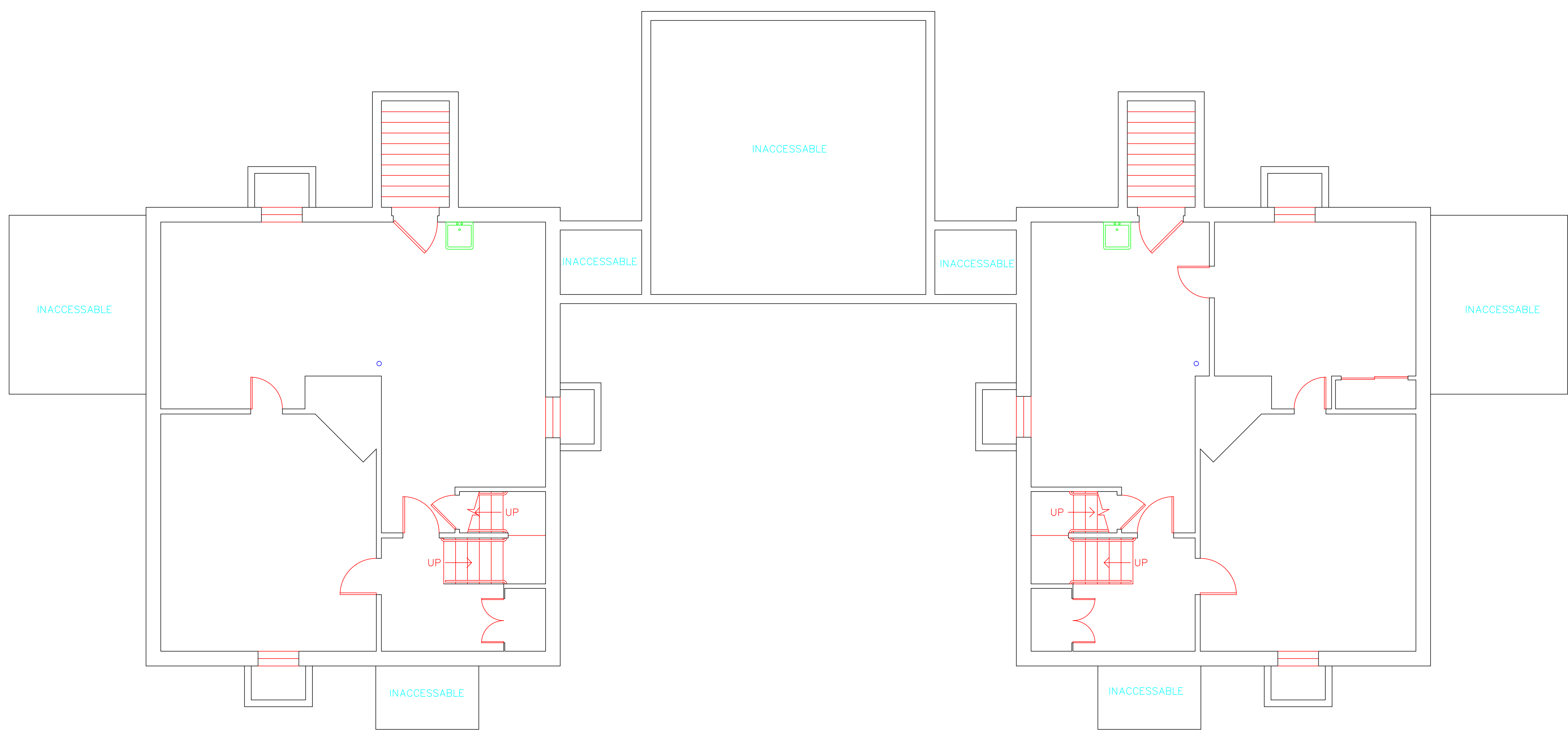
drawing title <b>SAMPLE LOCATION SECOND FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DATE	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 16 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no. 2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-2A



- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
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SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
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	ACM DOOR GLAZE
	ACM DOOR CAULK
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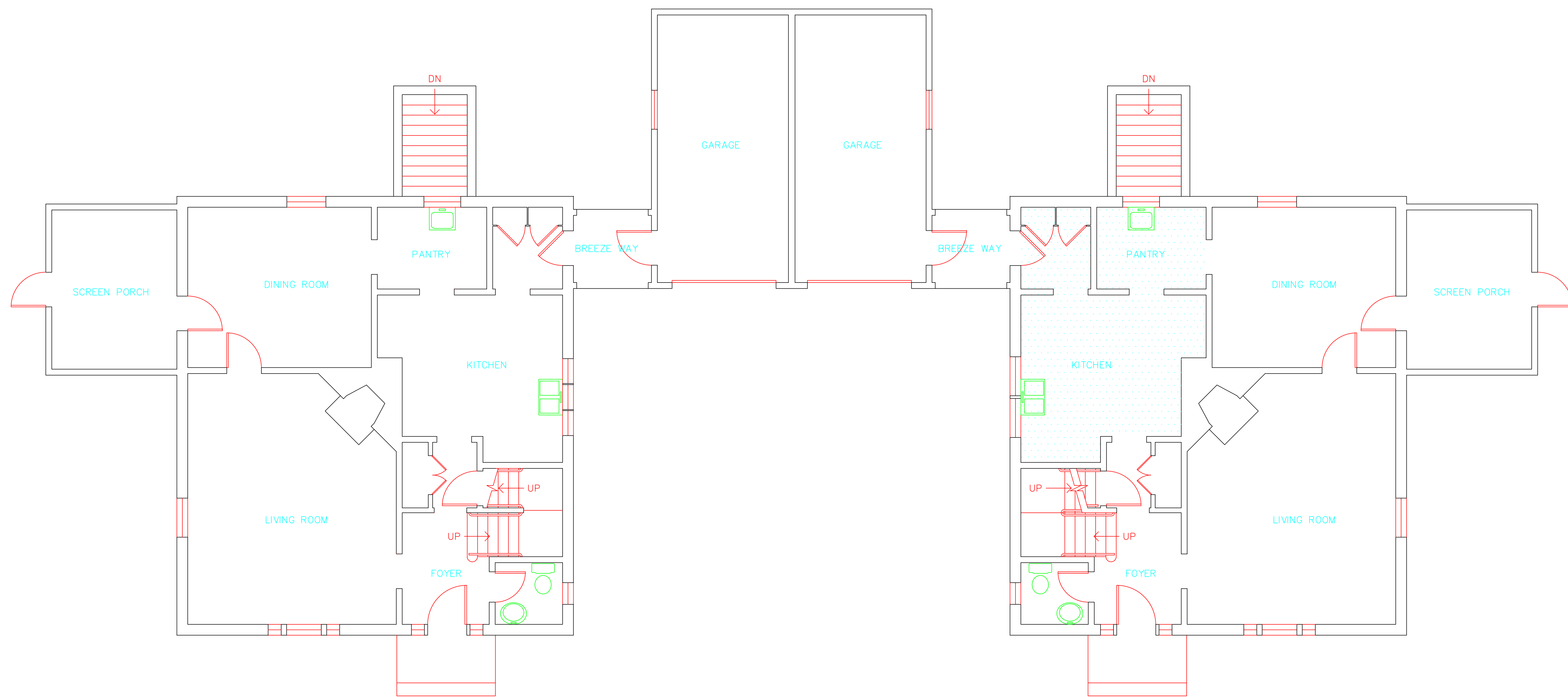
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BUILDING 14

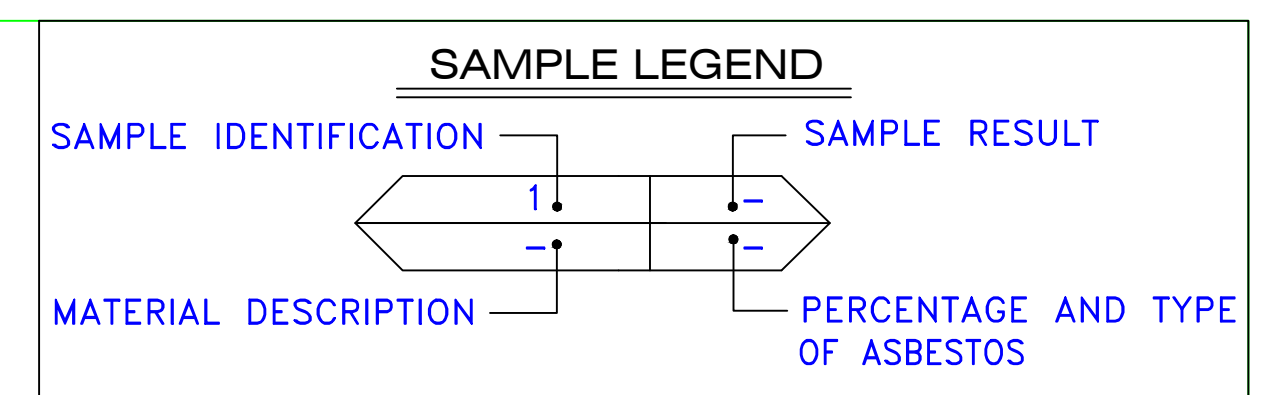
BUILDING 16

drawing title <b>ACM LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DATE	
mark	date	description	date
			3/17/17
mark		description	SCALE
			1/4" = 1'
project		drawn by	approved by
project		AMW	EF
project		approved by	drawing no.
project			ASB-BB
CAD no.	project no.		
	2257316087		



BUILDING 14

BUILDING 16



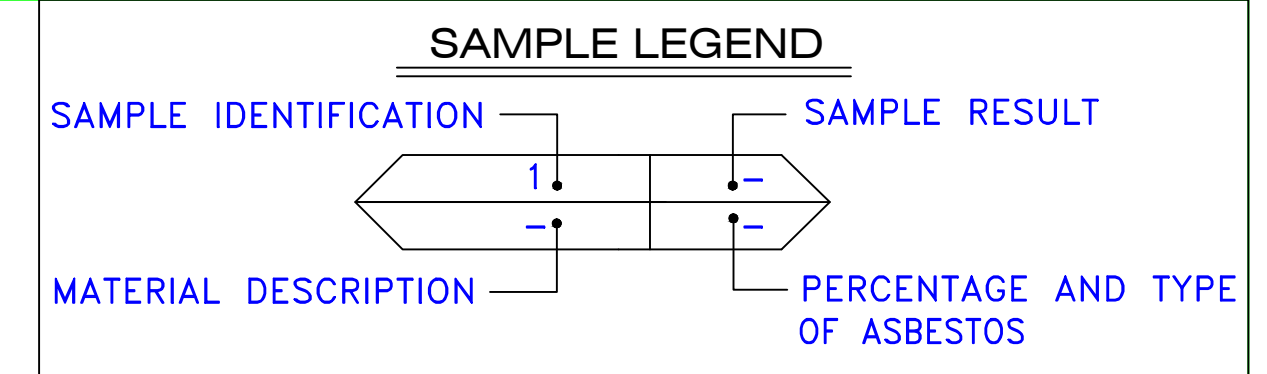
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
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ECP	= END CAP PACKING
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EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
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GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
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P	= POSITIVE
PF	= POURED FLOORING
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PLCB	= PLASTER CEILING BASE COAT
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PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
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SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
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[Symbol]	ACM PLASTER CEILING SKIM COAT
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[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

NOTES  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>ACM LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 16 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-1B

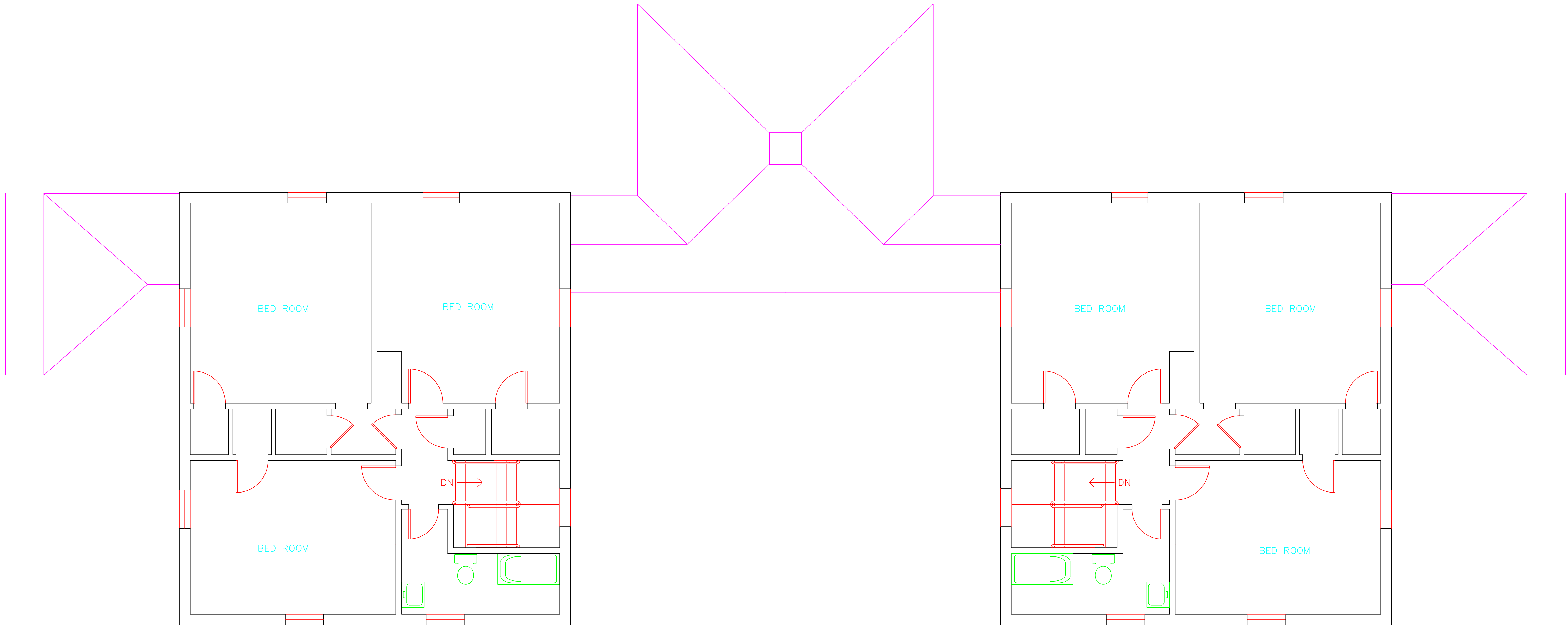




- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
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- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS



drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATION SECOND FLOOR PLAN		ATC	
REVISIONS		200 Roberts Street - Suite 301 Rocky Hill, CT 06067 Phone: 860-261-3000	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 16 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-2B



---

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 17  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53696  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Residence, Building 17, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



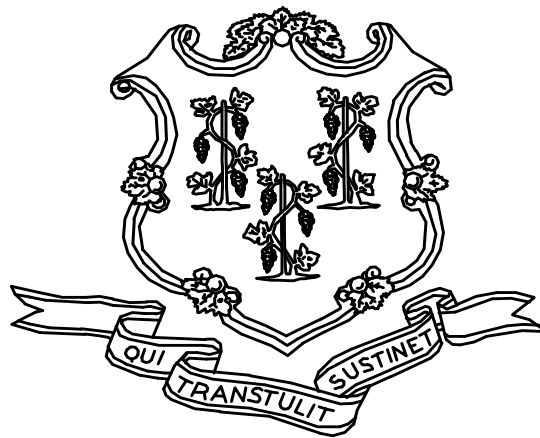
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Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 17  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53696  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Residence, Building 17 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 23, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: plaster ceiling, plaster wall, , sheet flooring and associated adhesive, , paper under wood floor, gypsum board and joint compound.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the none of the sampled materials are asbestos-containing material (ACM).

The materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall-Skim Coat
- Plaster Wall-Base Coat
- Plaster Ceiling-Skim Coat
- Plaster Ceiling-Base Coat
- Gypsum Board Behind Plaster
- Gypsum Wall Board
- Joint Compound
- Beige Square Sheet Floor
- Adhesive for Beige Square Sheet Floor
- Gray Flooring Under Sheet Floor
- Black Felt Under Gray Flooring
- Black Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.



## 6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED/PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 17 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022317-B17-1A	Basement Stair	Plaster Wall - Skim Coat	ND	
022317-B17-1B	Kitchen	Plaster Wall - Skim Coat	ND	
022317-B17-1C	Dining Room	Plaster Wall - Skim Coat	ND	
022317-B17-1D	Living Room	Plaster Wall - Skim Coat	ND	
022317-B17-1E	North West Bedroom	Plaster Wall - Skim Coat	ND	
022317-B17-1F	West Bedroom	Plaster Wall - Skim Coat	ND	
022317-B17-1G	South East Bedroom	Plaster Wall - Skim Coat	ND	
022317-B17-2A	Basement Stair	Plaster Wall - Base Coat	ND	
022317-B17-2B	Kitchen	Plaster Wall - Base Coat	ND	
022317-B17-2C	Dining Room	Plaster Wall - Base Coat	ND	
022317-B17-2D	Living Room	Plaster Wall - Base Coat	ND	
022317-B17-2E	North West Bedroom	Plaster Wall - Base Coat	ND	
022317-B17-2F	West Bedroom	Plaster Wall - Base Coat	ND	
022317-B17-2G	South East Bedroom	Plaster Wall - Base Coat	ND	
022317-B17-3A	Foyer Closet	Plaster Ceiling Base Coat	ND	
022317-B17-3B	Bedroom 2	Plaster Ceiling Base Coat	ND	
022317-B17-3C	Bedroom 3	Plaster Ceiling Base Coat	ND	
022317-B17-3D	Bedroom 2	Plaster Ceiling Base Coat	ND	
022317-B17-3E	Bedroom 1	Plaster Ceiling Base Coat	ND	
022317-B17-4A	Foyer Closet	Plaster Ceiling Base Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED/PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 17 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022317-B17-4B	Bedroom 2	Plaster Ceiling Base Coat	ND	
022317-B17-4C	Bedroom 3	Plaster Ceiling Base Coat	ND	
022317-B17-4D	Bedroom 2	Plaster Ceiling Base Coat	ND	
022317-B17-4E	Bedroom 1	Plaster Ceiling Base Coat	ND	
022317-B17-5A	Basement	Gypsum Board Wall	ND	
022317-B17-5B	Basement	Gypsum Board Wall	ND	
022317-B17-6A	Basement	Joint Compound	ND	
022317-B17-6B	Basement	Joint Compound	ND	
022317-B17-7A	Basement Stair	Gypsum Board Behind Plaster	ND	
022317-B17-7B	Basement Stair	Gypsum Board Behind Plaster	ND	
022317-B17-8A	Basement Stairs	Gypsum Board Ceiling	ND	
022317-B17-8B	Basement	Gypsum Board Ceiling	ND	
022317-B17-9A	Kitchen	Beige Square Sheet Floor	ND	
022317-B17-9B	Kitchen	Beige Square Sheet Floor	ND	
022317-B17-10A	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
022317-B17-10B	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
022317-B17-11A	Kitchen	Gray Flooring Under Sheet Floor	ND	
022317-B17-11B	Kitchen	Gray Flooring Under Sheet Floor	ND	
022317-B17-12A	Kitchen	Black Felt Under Gray Flooring	ND	
022317-B17-12B	Kitchen	Black Felt Under Gray Flooring	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDEDPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 17 - RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022317-B17-13A	Foyer	Paper Under Wood Floor	ND	
022317-B17-13B	2nd Floor Bed Room	Paper Under Wood Floor	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705028

**Customer ID:** ATCE54

**Customer PO:** 17-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 02/24/2017 10:46 AM

**Analysis Date:** 02/27/2017

**Collected Date:** 02/23/2017

**Project:** 2257316087/ CTDCS/ BLDG 17/ VETERANS HOME, ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022317-B17-1A 031705028-0001	BASEMENT STAIR - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022317-B17-1B 031705028-0002	KITCHEN - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022317-B17-1C 031705028-0003	DINING ROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022317-B17-1D 031705028-0004	LIVING ROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		58% Ca Carbonate 42% Non-fibrous (Other)	None Detected
022317-B17-1E 031705028-0005	NW BEDROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		62% Ca Carbonate 38% Non-fibrous (Other)	None Detected
022317-B17-1F 031705028-0006	SW BEDROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022317-B17-1G 031705028-0007	SE BEDROOM - PLASTER WALL - SKIM COAT	White Non-Fibrous Homogeneous		68% Ca Carbonate 32% Non-fibrous (Other)	None Detected
022317-B17-2A 031705028-0008	BASEMENT STAIR - PLASTER WALL - BASE COAT	Brown Non-Fibrous Homogeneous		40% Quartz 45% Gypsum 15% Non-fibrous (Other)	None Detected
022317-B17-2B 031705028-0009	KITCHEN - PLASTER WALL - BASE COAT	Gray Non-Fibrous Homogeneous		45% Quartz 30% Gypsum 25% Non-fibrous (Other)	None Detected
022317-B17-2C 031705028-0010	DINING ROOM - PLASTER WALL - BASE COAT	White Non-Fibrous Homogeneous		30% Quartz 40% Gypsum 30% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 16:22:26



# EMSL Analytical, Inc.

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022317-B17-2D 031705028-0011	LIVING ROOM - PLASTER WALL - BASE COAT	Gray Non-Fibrous Homogeneous		25% Quartz 45% Gypsum 30% Non-fibrous (Other)	None Detected
022317-B17-2E 031705028-0012	NW BEDROOM - PLASTER WALL - BASE COAT	Gray Non-Fibrous Homogeneous		35% Quartz 40% Gypsum 25% Non-fibrous (Other)	None Detected
022317-B17-2F 031705028-0013	SW BEDROOM - PLASTER WALL - BASE COAT	Gray Non-Fibrous Homogeneous		45% Quartz 40% Gypsum 15% Non-fibrous (Other)	None Detected
022317-B17-2G 031705028-0014	SE BEDROOM - PLASTER WALL - BASE COAT	Brown/Gray Non-Fibrous Homogeneous		50% Quartz 6% Ca Carbonate 44% Non-fibrous (Other)	None Detected
022317-B17-3A 031705028-0015	FOYER CLOSET - PLASTER CEILING BASE COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022317-B17-3B 031705028-0016	BEDROOM 2 - PLASTER CEILING BASE COAT	White Non-Fibrous Homogeneous		58% Ca Carbonate 42% Non-fibrous (Other)	None Detected
022317-B17-3C 031705028-0017	BEDROOM 3 - PLASTER CEILING BASE COAT	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022317-B17-3D 031705028-0018	BEDROOM 2 - PLASTER CEILING BASE COAT	White Non-Fibrous Homogeneous		62% Ca Carbonate 38% Non-fibrous (Other)	None Detected
022317-B17-3E 031705028-0019	BEDROOM 1 - PLASTER CEILING BASE COAT	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
022317-B17-4A 031705028-0020	FOYER CLOSET - PLASTER CEILING BASE COAT	Gray Non-Fibrous Homogeneous		45% Quartz 30% Gypsum 25% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022317-B17-4B 031705028-0021	BEDROOM 2 - PLASTER CEILING BASE COAT	Gray Non-Fibrous Homogeneous		40% Quartz 35% Gypsum 25% Non-fibrous (Other)	None Detected
022317-B17-4C 031705028-0022	BEDROOM 3 - PLASTER CEILING BASE COAT	Gray Non-Fibrous Homogeneous		45% Quartz 35% Gypsum 20% Non-fibrous (Other)	None Detected
022317-B17-4D 031705028-0023	BEDROOM 2 - PLASTER CEILING BASE COAT	White Non-Fibrous Homogeneous		35% Quartz 40% Gypsum 25% Non-fibrous (Other)	None Detected
022317-B17-4E 031705028-0024	BEDROOM 1 - PLASTER CEILING BASE COAT	Gray Non-Fibrous Homogeneous		50% Quartz 50% Non-fibrous (Other)	None Detected
022317-B17-5A 031705028-0025	BASEMENT - GYPSUM BOARD WALL	Brown/Gray Non-Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
022317-B17-5B 031705028-0026	BASEMENT - GYPSUM BOARD WALL	Gray/Tan Non-Fibrous Homogeneous	5% Cellulose	65% Gypsum 30% Non-fibrous (Other)	None Detected
022317-B17-6A 031705028-0027	BASEMENT - JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
022317-B17-6B 031705028-0028	BASEMENT - JOINT COMPOUND	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (Other)	None Detected
022317-B17-7A 031705028-0029	BASEMENT STAIR - GYPSUM BOARD BEHIND PLASTER	Brown/Gray Non-Fibrous Homogeneous	15% Cellulose	5% Quartz 58% Gypsum 22% Non-fibrous (Other)	None Detected
022317-B17-7B 031705028-0030	BASEMENT STAIR - GYPSUM BOARD BEHIND PLASTER	Gray Non-Fibrous Homogeneous	6% Cellulose	65% Gypsum 29% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 16:22:26





# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705028
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/24/2017 10:46 AM  
**Analysis Date:** 02/27/2017  
**Collected Date:** 02/23/2017

**Project:** 2257316087/ CTDCS/ BLDG 17/ VETERANS HOME, ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022317-B17-8A 031705028-0031	BASEMENT STAIRS - GYPSUM BOARD CEILING	Brown Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
022317-B17-8B 031705028-0032	BASEMENT - GYPSUM BOARD CEILING	Gray Non-Fibrous Homogeneous	6% Cellulose	70% Gypsum 24% Non-fibrous (Other)	None Detected
022317-B17-9A 031705028-0033	KITCHEN - BEIGE SQUARE SHEET FLOOR	Gray Non-Fibrous Homogeneous	25% Cellulose 10% Glass	65% Non-fibrous (Other)	None Detected
022317-B17-9B 031705028-0034	KITCHEN - BEIGE SQUARE SHEET FLOOR	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
022317-B17-10A 031705028-0035	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Yellow Non-Fibrous Homogeneous	15% Cellulose	10% Ca Carbonate 75% Non-fibrous (Other)	None Detected
022317-B17-10B 031705028-0036	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Tan Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
022317-B17-11A 031705028-0037	KITCHEN - GRAY FLOORING UNDER SHEET FLOOR	Gray Non-Fibrous Homogeneous	25% Cellulose	30% Ca Carbonate 45% Non-fibrous (Other)	None Detected
022317-B17-11B 031705028-0038	KITCHEN - GRAY FLOORING UNDER SHEET FLOOR	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
022317-B17-12A 031705028-0039	KITCHEN - BLACK FELT UNDER GRAY FLOORING	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
022317-B17-12B 031705028-0040	KITCHEN - BLACK FELT UNDER GRAY FLOORING	Gray Non-Fibrous Homogeneous		12% Ca Carbonate 88% Non-fibrous (Other)	None Detected

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Initial report from: 02/27/2017 16:22:26



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<b>EMSL Order:</b> 031705028
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 02/24/2017 10:46 AM <b>Analysis Date:</b> 02/27/2017 <b>Collected Date:</b> 02/23/2017
<b>Project:</b> 2257316087/ CTDCS/ BLDG 17/ VETERANS HOME, ROCKY HILL, CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022317-B17-13A 031705028-0041	FOYER - PAPER UNDER WOOD FLOOR	Brown Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
022317-B17-13B 031705028-0042	2ND FLOOR BED ROOM - PAPER UNDER WOOD FLOOR	Brown/Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 16:22:26



**EMSL Analytical, Inc.**

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

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**EMSL Order:** 031705028  
**Customer ID:** ATCE54  
**Customer PO:** 17-10133-0001  
**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CTDCS/ BLDG 17/ VETERANS HOME, ROCKY HILL, CT

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 02/24/2017 10:46 AM  
**Analysis Date:** 02/27/2017  
**Collected Date:** 02/23/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 02/24/2017      Sample Receipt Time: 10:46 AM  
Analysis Completed Date: 02/27/2017      Analysis Completed Time: 10:33 AM

**Analyst(s):**

Daena Charles PLM (13)

Emily Myint PLM (29)

**Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 02/27/2017 16:22:26



# BULK SAMPLE LOG

Page 1 of 3  
 290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa West Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-23-17 Project Manager: E. Fennell  
 Signature: Alisa West Requested Completion Date:  
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 42  
 Building: Bldg 17 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Basement stair	Plaster wall - Skim coat	S				1	7
Kitchen						2	7
Dining Room						3	7
Living Room						4	7
NW Bedroom						5	7
SW Bedroom						6	7
SE Bedroom						7	7
Basement stair	Plaster wall - Base coat					1	7
Kitchen						2	7
Dining Room						3	7
Living Room						4	7
NW Bedroom						5	7
SW Bedroom						6	7
SE Bedroom						7	7

Comments: PLM

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely-reachable-not-reachable)  
 Relinquished By/Date: Alisa West 2-23-17  
 Relinquished By/Date: Alisa West 2-23-17  
 Received By/Date: Alisa West 2/24/17 10:46 AM  
 Received By/Date: Alisa West 2/24/17 10:46 AM



# BULK SAMPLE LOG

Page 2 of 3  
 290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardio ATC Inspector: Alisa West Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-23-17 Project Manager: E. Fennell  
 Signature: Alisa West Requested Completion Date:  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 5DY No. Samples Collected 42  
 Building: BLD 17 Address: VETERANS HOME, ROCKY HILL CT

Location	Material Description	Type S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Entry closet	Plaster ceiling	S				5	022317-BLD-3A
Bathroom B2	Base coat					1	
Bedroom 3	"					3	
↓	"					4	
Entry closet	Plaster ceiling					5	
Bedroom 2	Base coat					1	2017FEB24
↓	"					3	
↓	"					4	
↓	"					5	
Basement	Gypsum Board wall	Misc				2	
↓	Joint compound					2	

Comments: PLM

Notes: Damage Factors: Physical (slg ding-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)  
 Disturbance Factors: Proximal (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music-m-saundictorium-mechanical m-elevator-other) Barriers (form airtight-enclosed-encapsulated)  
 Relinquished By/Date: Alisa West 2-23-17 Received By/Date: AP 2/24/17 10:46 AM  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

## BULK SAMPLE LOG

Cardno ATC Inspector: Allisa West Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 2-23-17 Project Manager: E. Fenner  
 Signature: Alisa West Requested Completion Date:

Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY  
 Building: Bld 17 Address: Veterans Home, Rocky Hill CT No. Samples Collected 42

Location	Material Description	Type	TSI	MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Basement stairs	gypsum board behind plaster	Misc			2			2	022317-B17-24
Basement stairs	gypsum board ceiling				2			2	2017FEB 24 PM 10:46
Basement	Beige square sheet floor				2			2	2017FEB 24 PM 10:46
Kitchen	adhesive for beige square sheet floor				2			2	2017FEB 24 PM 10:46
	gray flooring under sheet floor				2			2	2017FEB 24 PM 10:46
	Black Felt under gray flooring				2			2	2017FEB 24 PM 10:46
Entry	Paper under wood floor				2			2	2017FEB 24 PM 10:46
2nd Floor Bed Room									

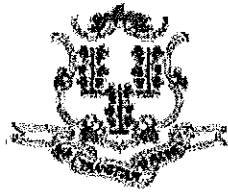
Comments: PLM

Notes: Damage Factors: Physical (sig dng-dmg-no dng) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low) Eligibility (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alisa West 2-23-17 Received By/Date: PLM 2/24/17 10:46 AM

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

**Name**

<b>Name</b>
ALISA M WERST

**License Information**

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

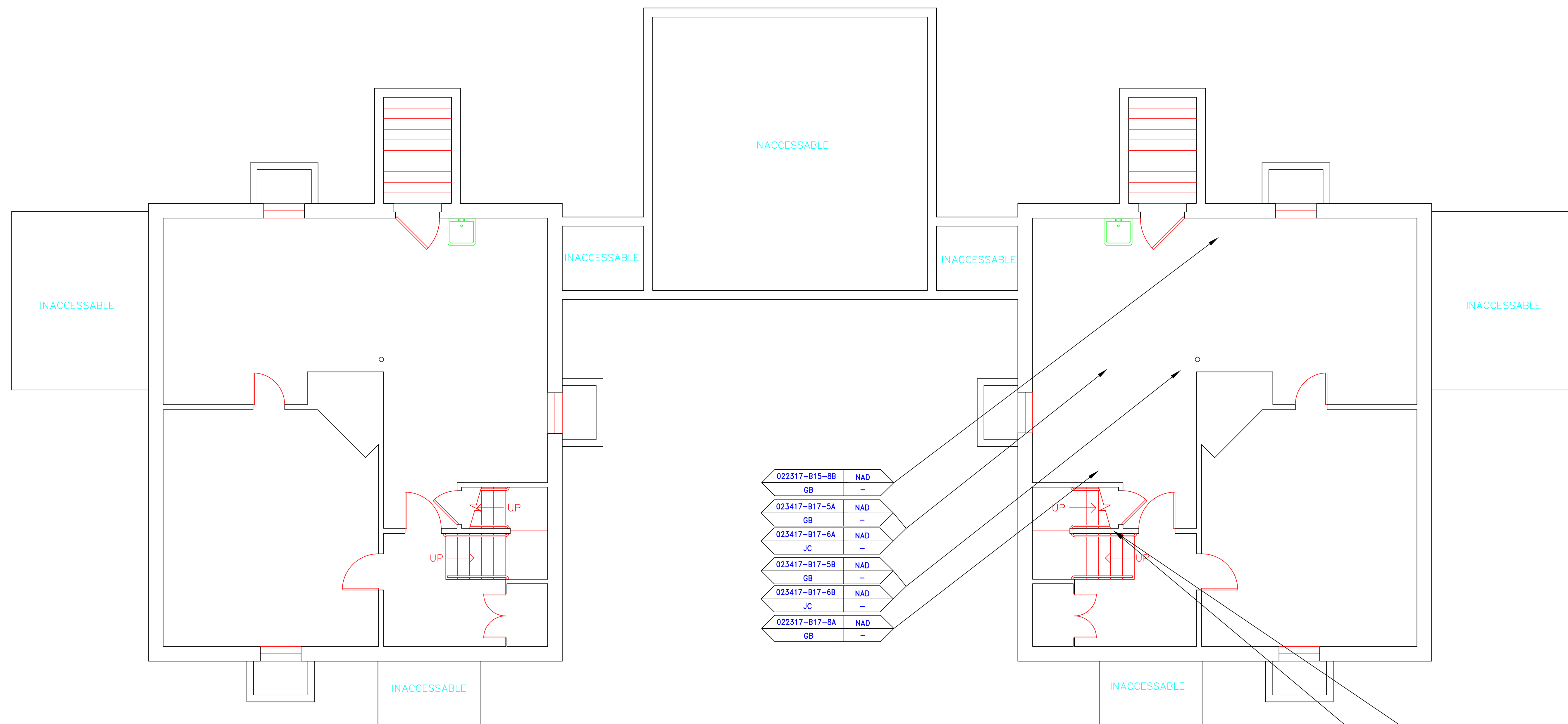
  

AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECAP	= END CAP PACKING
ECOS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WP	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

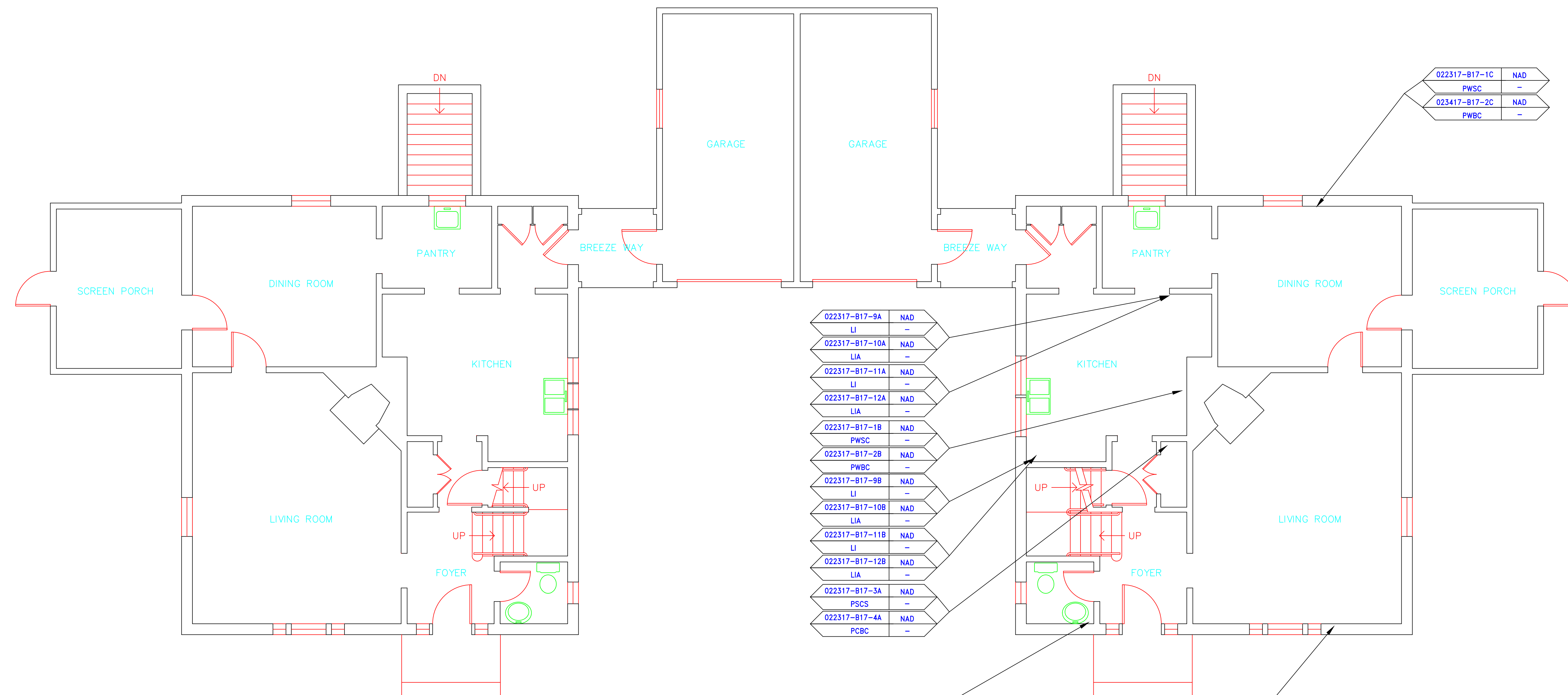


022317-B17-1A	NAD
PWSC	-
023417-B17-2A	NAD
PWBC	-
022317-B17-7A	NAD
GB	-
023417-B17-7B	NAD
GB	-

BUILDING 15

BUILDING 17

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION BASEMENT PLAN		date: 3/17/17	
REVISIONS		SCALE: 1/4" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-BA
		290 Roberts Street, Suite 201 Rocky Hill, CT 06067-1000 ENVIRONMENTAL - GEOTECHNICAL BUILDING SCIENCES - MATERIALS TESTING PROJECT:	
BUILDING INSPECTION RESIDENCE BUILDING 17 STATE VETERANS HOME ROCKY HILL, CONNECTICUT		project no.: 2257316087	



BUILDING 15

BUILDING 17

**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPUND
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- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

022317-B17-9A	NAD
LI	-
022317-B17-10A	NAD
LIA	-
022317-B17-11A	NAD
LI	-
022317-B17-12A	NAD
LIA	-
022317-B17-1B	NAD
PWSC	-
022317-B17-2B	NAD
PWBC	-
022317-B17-9B	NAD
LI	-
022317-B17-10B	NAD
LIA	-
022317-B17-11B	NAD
LI	-
022317-B17-12B	NAD
LIA	-
022317-B17-3A	NAD
PSCS	-
022317-B17-4A	NAD
PCBC	-

022317-B17-1C	NAD
PWSC	-
023417-B17-2C	NAD
PWBC	-


022317-B17-13A	NAD
MM	-

022317-B17-1D	NAD
PWSC	-
022317-B17-2D	NAD
PWBC	-

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION FIRST FLOOR PLAN		date: 3/17/17	
REVISIONS		SCALE: 1/4" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-1A
		290 Roberts Street, Suite 201 Rocky Hill, CT 06067-1000 (860) 265-1000	
BUILDING INSPECTION RESIDENCE BUILDING 17 STATE VETERANS HOME ROCKY HILL, CONNECTICUT		project no.: 2257316087	

**SAMPLE LEGEND**

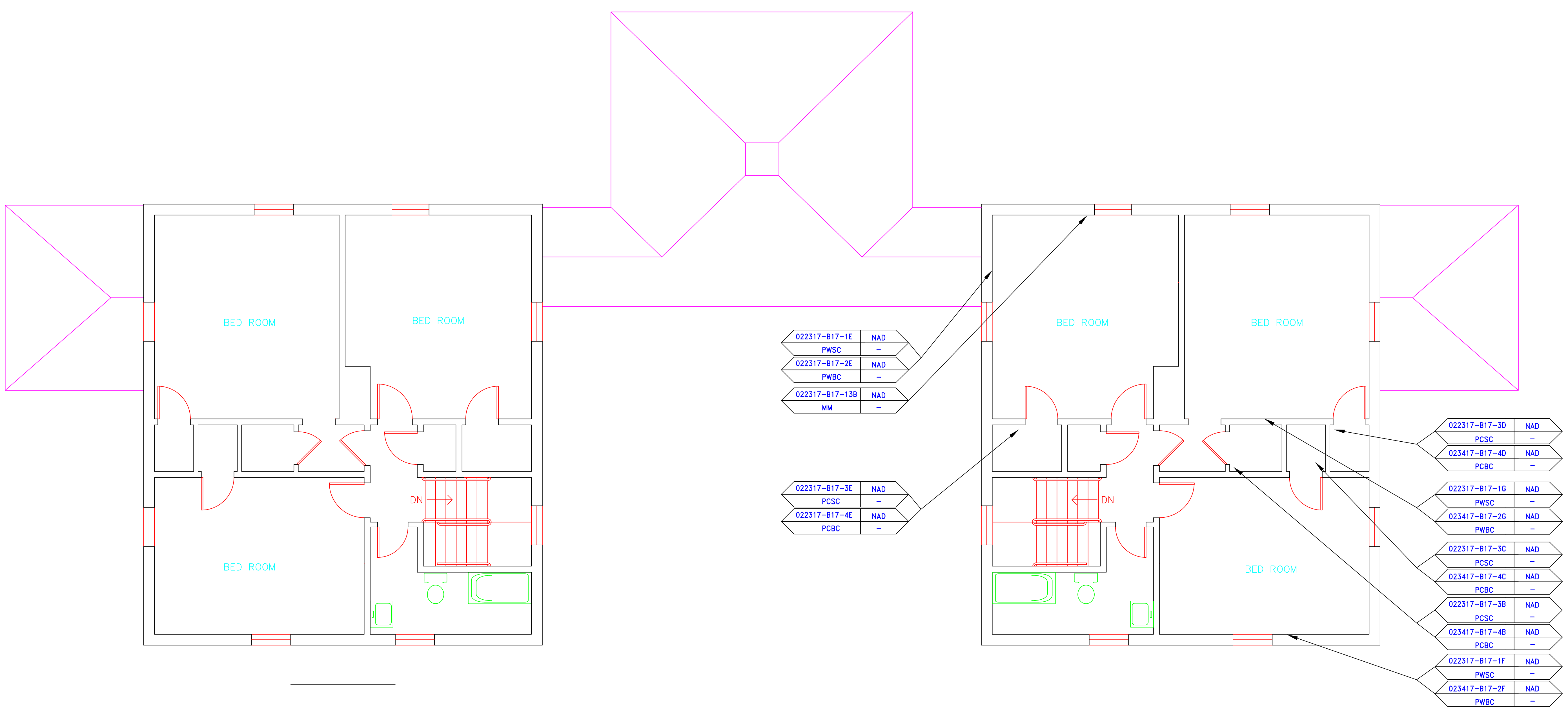
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECF	= END CAP PACKING
ECF	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
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[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
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[Symbol]	ACM MASTIC ONLY
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[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS



022317-B17-1E	NAD
PWSC	-
022317-B17-2E	NAD
PWSC	-
022317-B17-13B	NAD
MM	-

022317-B17-3E	NAD
PCSC	-
022317-B17-4E	NAD
PCBC	-

022317-B17-3D	NAD
PCSC	-
023417-B17-4D	NAD
PCBC	-
022317-B17-1G	NAD
PWSC	-
023417-B17-2G	NAD
PWSC	-
022317-B17-3C	NAD
PCSC	-
023417-B17-4C	NAD
PCBC	-
022317-B17-3B	NAD
PCSC	-
023417-B17-4B	NAD
PCBC	-
022317-B17-1F	NAD
PWSC	-
023417-B17-2F	NAD
PWSC	-

BUILDING 15

BUILDING 17

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION SECOND FLOOR PLAN		DATE: 3/17/17	
REVISIONS		SCALE: 1/4" = 1'	
mark	date	description	drawn by
			AMW
			approved by
			EF
			drawing no.
			ASB-2A
CAD no.		project no.	
		2257316087	

**ATC**  
ENVIRONMENTAL - GEOTECHNICAL  
BUILDING SCIENCES - MATERIALS TESTING  
INCORPORATED  
290 Roberts Street, Suite 201  
Rocky Hill, CT 06067-1001  
TEL: 860-514-1100 FAX: 860-514-1101

BUILDING INSPECTION  
RESIDENCE  
BUILDING 17  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT



---

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 18  
ESGR Services  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 91312  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for ESGR Services, Building 18, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



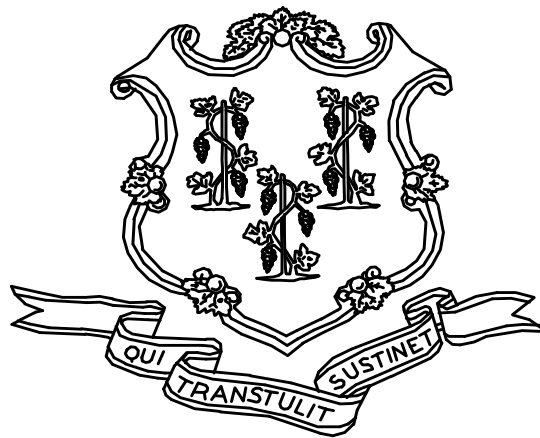
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**ESGR SERVICES  
BUILDING 18  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 91312  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**



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7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the ESGR Building, Building 18 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on March 2, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: cove base and associated adhesive, carpet adhesive, sheet flooring and associated adhesive, ceiling tile, gypsum board and joint compound.

### 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the none of the sampled materials are asbestos-containing material (ACM).

The materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Gypsum Board
- Joint Compound
- 2'x4' Pinhole Textured Suspended Ceiling Tile (Type I)
- 2'x2' Textured Suspended Ceiling Tile (Type II)
- 12"x12" Green Mottled Floor Tile and Associated Adhesive
- 12"x12" White Mottled Floor Tile and Associated Adhesive
- Mosaic Sheet Floor and Associated Adhesive
- 4" Black Cove Base and Associated Adhesive
- 4" Gray Cove Base and Associated Adhesive
- 4" Brown Cove Base and Associated Adhesive
- 4" White Cove Base and Associated Adhesive
- Carpet Adhesive

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 18 - ESGR SERVICES**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
030217-B18-1A	Room 104	Gypsum Board	ND	
030217-B18-1B	Room 109	Gypsum Board	ND	
030217-B18-2A	Room 104	Joint Compound	ND	
030217-B18-2B	Room 109	Joint Compound	ND	
030217-B18-3A	Room 114	2'x4' Pinhole Textured Suspended Ceiling Tile (Type I)	ND	
030217-B18-3B	Room 107	2'x4' Pinhole Textured Suspended Ceiling Tile (Type I)	ND	
030217-B18-4A	Corridor 102	2'x2' Textured Suspended Ceiling Tile (Type II)	ND	
030217-B18-4B	Corridor 102	2'x2' Textured Suspended Ceiling Tile (Type II)	ND	
030217-B18-5A	Corridor 102	12"X12" Green Mottled Floor Tile	ND	
030217-B18-5B	Room 103	12"x12" Green Mottled Floor Tile	ND	
030217-B18-6A	Corridor 102	Adhesive for 12"x12" Green Mottled Floor Tile	ND	
030217-B18-6B	Room 103	Adhesive for 12"x12" Green Mottled Floor Tile	ND	
030217-B18-7A	Room 103	12"x12" White Mottled Floor Tile	ND	
030217-B18-7B	Room 107	12"x12" White Mottled Floor Tile	ND	
030217-B18-8A	Room 103	Adhesive for 12"x12" White Mottled Floor Tile	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED/PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 18 - ESGR SERVICES**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
030217-B18-8B	Room 107	Adhesive for 12"x12" White Mottled Floor Tile	ND	
030217-B18-9A	Room 105	Mosaic Sheet Floor	ND	
030217-B18-9B	Room 109	Mosaic Sheet Floor	ND	
030217-B18-10A	Room 105	Adhesive for Mosaic Sheet Floor	ND	
030217-B18-10B	Room 109	Adhesive for Mosaic Sheet Floor	ND	
030217-B18-11A	Room 104	4" Black Cove Base	ND	
030217-B18-11B	Room 104	4" Black Cove Base	ND	
030217-B18-12A	Room 104	Adhesive for 4" Black Cove Base	ND	
030217-B18-12B	Room 104	Adhesive for 4" Black Cove Base	ND	
030217-B18-13A	Room 105	4" Gray Cove Base	ND	
030217-B18-13B	Bath Room 106	4" Gray Cove Base	ND	
030217-B18-14A	Room 105	Adhesive for 4" Gray Cove Base	ND	
030217-B18-14B	Bath Room 106	Adhesive for 4" Gray Cove Base	ND	
030217-B18-15A	Room 105	4" Brown Cove Base	ND	
030217-B18-15B	Room 103	4" Brown Cove Base	ND	
030217-B18-16A	Room 105	Adhesive for 4" Brown Cove Base	ND	
030217-B18-16B	Room 103	Adhesive for 4" Brown Cove Base	ND	
030217-B18-17A	Room 109	4" White Cove Base	ND	
030217-B18-17B	Room 114	4" White Cove Base	ND	
030217-B18-18A	Room 109	Adhesive for 4" White Cove Base	ND	

**TABLE 6-1**  
**BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS**  
**STATE VETERANS HOME**  
**BUILDING 18 - ESGR SERVICES**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
030217-B18-18B	Room 114	Adhesive for 4" White Cove Base	ND	
030217-B18-19A	Room 114	Carpet Adhesive	ND	
030217-B18-19B	Room 103	Carpet Adhesive	ND	

ND = None Detected



**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705757
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/03/2017 11:02 AM  
**Analysis Date:** 03/04/2017  
**Collected Date:** 03/02/2017

**Project:** 2257316087/ CTDCS/ BLDG 18/ VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030217-B18-1A 031705757-0001	ROOM 104 - GYPSUM BOARD	Brown/Gray Fibrous Homogeneous	12% Cellulose 2% Glass	50% Gypsum 36% Non-fibrous (Other)	None Detected
030217-B18-1B 031705757-0002	ROOM 109 - GYPSUM BOARD	Brown/Gray Non-Fibrous Homogeneous	12% Cellulose 3% Glass	65% Gypsum 20% Non-fibrous (Other)	None Detected
030217-B18-2A 031705757-0003	ROOM 104 - JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 5% Mica 35% Non-fibrous (Other)	None Detected
030217-B18-2B 031705757-0004	ROOM 109 - JOINT COMPOUND	White Non-Fibrous Homogeneous		53% Ca Carbonate 2% Mica 45% Non-fibrous (Other)	None Detected
030217-B18-3A 031705757-0005	ROOM 114 - 2'X4' PINHOLE TEXTURED SUSPENDED CEILING TILE (TYPE I)	Gray/White/Pink Fibrous Homogeneous	50% Cellulose 28% MinWool	22% Non-fibrous (Other)	None Detected
030217-B18-3B 031705757-0006	ROOM 107 - 2'X4' PINHOLE TEXTURED SUSPENDED CEILING TILE (TYPE I)	Gray/White Fibrous Homogeneous	45% Cellulose 25% MinWool	15% Perlite 15% Non-fibrous (Other)	None Detected
030217-B18-4A 031705757-0007	CORRIDOR 102 - 2'X2' TEXTURED SUSPENDED CEILING TILE (TYPE 2)	Gray/White Fibrous Homogeneous	34% Cellulose 40% MinWool	26% Non-fibrous (Other)	None Detected
030217-B18-4B 031705757-0008	CORRIDOR 102 - 2'X2' TEXTURED SUSPENDED CEILING TILE (TYPE 2)	Gray/White Fibrous Homogeneous	35% Cellulose 45% MinWool	20% Non-fibrous (Other)	None Detected
030217-B18-5A 031705757-0009	CORRIDOR 102 - 12"X12" GREEN MOTTLED FLOOR TILE	Green Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
030217-B18-5B 031705757-0010	ROOM 103 - 12"X12" GREEN MOTTLED FLOOR TILE	Green Non-Fibrous Homogeneous		52% Ca Carbonate 48% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/04/2017 13:34:46



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705757
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 03/03/2017 11:02 AM <b>Analysis Date:</b> 03/04/2017 <b>Collected Date:</b> 03/02/2017
<b>Project:</b> 2257316087/ CTDCS/ BLDG 18/ VETERANS HOME, ROCKY HILL CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	
030217-B18-6A 031705757-0011	CORRIDOR 102 - ADHESIVE FOR 12"X12" GREEN MOTTLED FLOOR TILE	Brown/Black Non-Fibrous Homogeneous	14% Cellulose	18% Ca Carbonate 68% Non-fibrous (Other)	None Detected	
030217-B18-6B 031705757-0012	ROOM 103 - ADHESIVE FOR 12"X12" GREEN MOTTLED FLOOR TILE	Brown/Black Non-Fibrous Homogeneous	5% Cellulose	15% Ca Carbonate 80% Non-fibrous (Other)	None Detected	
030217-B18-7A 031705757-0013	ROOM 103 - 12"X12" WHITE MOTTLED FLOOR TILE	White/Yellow Non-Fibrous Homogeneous	inseparable yellow mastic included in analysis		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
030217-B18-7B 031705757-0014	ROOM 107 - 12"X12" WHITE MOTTLED FLOOR TILE	White Non-Fibrous Homogeneous			45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
030217-B18-8A 031705757-0015	ROOM 103 - ADHESIVE FOR 12"X12" WHITE MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous	4% Cellulose	20% Ca Carbonate 76% Non-fibrous (Other)	None Detected	
030217-B18-8B 031705757-0016	ROOM 107 - ADHESIVE FOR 12"X12" WHITE MOTTLED FLOOR TILE	Black Non-Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (Other)	None Detected	
030217-B18-9A 031705757-0017	ROOM 105 - MOSAIC SHEET FLOOR	Brown/Gray/Various Non-Fibrous Homogeneous	16% Synthetic	24% Ca Carbonate 60% Non-fibrous (Other)	None Detected	
030217-B18-9B 031705757-0018	ROOM 109 - MOSAIC SHEET FLOOR	Brown/Various Non-Fibrous Homogeneous	7% Cellulose 10% Synthetic	22% Ca Carbonate 61% Non-fibrous (Other)	None Detected	
030217-B18-10A 031705757-0019	ROOM 105 - ADHESIVE FOR MOSAIC SHEET FLOOR	Tan Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected	

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/04/2017 13:34:46



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705757
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/03/2017 11:02 AM  
**Analysis Date:** 03/04/2017  
**Collected Date:** 03/02/2017

**Project:** 2257316087/ CTDCS/ BLDG 18/ VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030217-B18-10B 031705757-0020	ROOM 109 - ADHESIVE FOR MOSAIC SHEET FLOOR	Tan Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
030217-B18-11A 031705757-0021	ROOM 104 - 4" BLACK COVE BASE	Black Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
030217-B18-11B 031705757-0022	ROOM 104 - 4" BLACK COVE BASE	Black Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
030217-B18-12A 031705757-0023	ROOM 104 - ADHESIVE FOR 4" BLACK COVE BASE	White Non-Fibrous Homogeneous	2% Cellulose	28% Ca Carbonate 70% Non-fibrous (Other)	None Detected
030217-B18-12B 031705757-0024	ROOM 104 - ADHESIVE FOR 4" BLACK COVE BASE	White Non-Fibrous Homogeneous	2% Cellulose	8% Ca Carbonate 90% Non-fibrous (Other)	None Detected
030217-B18-13A 031705757-0025	ROOM 105 - 4" GRAY COVE BASE	Gray Non-Fibrous Homogeneous		14% Ca Carbonate 86% Non-fibrous (Other)	None Detected
030217-B18-13B 031705757-0026	BATH ROOM 106 - 4" GRAY COVE BASE	Gray Non-Fibrous Homogeneous		32% Ca Carbonate 68% Non-fibrous (Other)	None Detected
030217-B18-14A 031705757-0027	ROOM 105 - ADHESIVE FOR 4" GRAY COVE BASE	Yellow Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
030217-B18-14B 031705757-0028	BATH ROOM 106 - ADHESIVE FOR 4" GRAY COVE BASE	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
030217-B18-15A 031705757-0029	ROOM 105 - 4" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		32% Ca Carbonate 68% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/04/2017 13:34:46



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307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705757

**Customer ID:** ATCE54

**Customer PO:** 17-10133-0001

**Project ID:**

**Attention:** ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/03/2017 11:02 AM  
**Analysis Date:** 03/04/2017  
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**Project:** 2257316087/ CTDCS/ BLDG 18/ VETERANS HOME, ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030217-B18-15B 031705757-0030	ROOM 103 - 4" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
030217-B18-16A 031705757-0031	ROOM 105 - ADHESIVE FOR 4" BROWN COVE BASE	Yellow Non-Fibrous Homogeneous	3% Cellulose	15% Ca Carbonate 82% Non-fibrous (Other)	None Detected
030217-B18-16B 031705757-0032	ROOM 103 - ADHESIVE FOR 4" BROWN COVE BASE	Yellow Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
030217-B18-17A 031705757-0033	4" WHITE COVE BASE - 4" WHITE COVE BASE	White/Peach Non-Fibrous Homogeneous		22% Ca Carbonate 78% Non-fibrous (Other)	None Detected
030217-B18-17B 031705757-0034	4" WHITE COVE BASE - 4" WHITE COVE BASE	White Non-Fibrous Homogeneous		28% Ca Carbonate 72% Non-fibrous (Other)	None Detected
030217-B18-18A 031705757-0035	ADHESIVE FOR 4" WHITE COVE BASE - ADHESIVE FOR 4" WHITE COVE BASE	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
030217-B18-18B 031705757-0036	ADHESIVE FOR 4" WHITE COVE BASE - ADHESIVE FOR 4" WHITE COVE BASE	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
030217-B18-19A 031705757-0037	CARPET ADHESIVE - CARPET ADHESIVE	Tan Non-Fibrous Homogeneous	4% Cellulose	28% Ca Carbonate 68% Non-fibrous (Other)	None Detected
030217-B18-19B 031705757-0038	CARPET ADHESIVE - CARPET ADHESIVE	Yellow Non-Fibrous Homogeneous	5% Cellulose	15% Ca Carbonate 80% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/04/2017 13:34:46



**EMSL Analytical, Inc.**

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Tel/Fax: (212) 290-0051 / (212) 290-0058  
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**EMSL Order:** 031705757  
**Customer ID:** ATCE54  
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**Project ID:**


**Attention:** ATC Group Services LLC  
290 Roberts Street  
Suite 301  
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**Phone:** (860) 282-9924  
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**Received Date:** 03/03/2017 11:02 AM  
**Analysis Date:** 03/04/2017  
**Collected Date:** 03/02/2017  
**Project:** 2257316087/ CTDCS/ BLDG 18/ VETERANS HOME, ROCKY HILL CT


The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**


Sample Receipt Date: 03/03/2017      Sample Receipt Time: 11:02 AM  
Analysis Completed Date: 03/04/2017      Analysis Completed Time: 4:19 AM

**Analyst(s):**

  
Kamel Alawawda PLM (19)

  
Shahrakur Mahmud PLM (19)

**Samples Reviewed and approved by:**

  
James Hall, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/04/2017 13:34:46



# BULK SAMPLE LOG

031705757

Page 1 of 3

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

EMSL MANHATTAN LAB  
RECEIVED

Cardno ATC Inspector: Alisa Werst Client Name: CTDA PAR-3 AM 11:02

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 3-2-17 Project Manager: F. Fennell

Signature: Alisa Werst Requested Completion Date: \_\_\_\_\_

Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 38

Building: Bld 18 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
Room 104	gypsum board	MISC			1	030217-B18-1A
Room 109					2	1B
Room 104	Joint compound				1	2A
Room 109					2	2B
Room 114					1	3A
Room 107					2	3B
Corridor 102	2'x4' pinhole textured suspended ceiling tile (Type I)				1	4A
"	2'x2' textured suspended ceiling tile (Type 2)				2	4B
Corridor 102	12"x12" green mottled floor tile				1	5A
Room 103	adhesive for "				2	5B
Corridor 102	"				1	6A
Room 103	adhesive for "				2	6B
Room 103	12"x12" white mottled floor tile				1	7A
Room 107	"				2	7B
Room 103	adhesive for "				1	8A
Room 107	"				2	8B

Comments: PCM

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)

Disturbance Factors: Proximity (<1ft- 1-6ft- >6ft) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Barriers (perm airtight-moderate-encapsulated)

Ventilation (yes-no; if yes, type) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alisa Werst 3-2-17 Received By/Date: Nicole S. 3/3/17 11:02 AM

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

FX: 8109 9890 2232

3/17/17 11:02 AM



**BULK SAMPLE LOG**

EMSL MANHATTAN L.A. RECEIVED  
290 Roberts Street, Suite 501  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Werst Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 3-2-17 Project Manager: F. Fennell  
 Signature: [Signature] Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected: 38  
 Building: Bld 18 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Room 105	Mosaic sheet	Misc			1	030217-B18-9A
Room 109	Floor				2	9B
Room 105	adhesive for " ↓				1	10A
Room 109	"				2	10B
Room 104	4" Black cave base				1	11A
Room 104	"				2	11B
Room 104	adhesive for " ↓				1	12A
Room 104	"				2	12B
Room 105	4" gray cave base				1	13A
Bathroom 106	"				2	13B
Room 105	adhesive for " ↓				1	14A
Bathroom 105	"				2	14B
Room 105	7" brown cave base				1	15A
Room 103	"				2	15B
Room 105	adhesive for " ↓				1	16A
Room 103	"				2	16B

**Comments:**

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft- 1-6ft- >6ft) Ventilation (yes-no; if yes, type) Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music m-auditorium-mechanical m-elevator-other) Air movement (high-moderate-low) Friability (yes-no; hard-mold-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alisa Werst 3-2-17  
 Relinquished By/Date: \_\_\_\_\_

Received By/Date: Nicole S. [Signature] 3/3/17 1:02 AM  
 Received By/Date: \_\_\_\_\_





# BULK SAMPLE LOG

Page 3 of 3

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Westf Client Name: CTDCS 17 MAR -3 AM 11:02  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 3-2-17 Project Manager: F. Fennell  
 Signature: Alisa Westf Requested Completion Date:

Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 38  
 Building: Bldg Address: Veterans Home, Rocky Hill CT

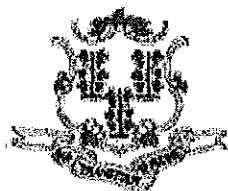
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Room 109	4" white cov	MISC				2	030217-17A
Room 114	base					2	17B
Room 109	adhesive for "					2	18A
Room 114	"					2	18B
Room 114	carpet adhesive					1	19A
Room 103						2	19B

Comments: PCM

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely-reachable-not-reachable) Air shaft - elevator shaft - duct  
 Relinquished By/Date: Alisa Westf Received By/Date: Nicole S. 288. 3/3/17 11:02 AM  
 Relinquished By/Date: Received By/Date:

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

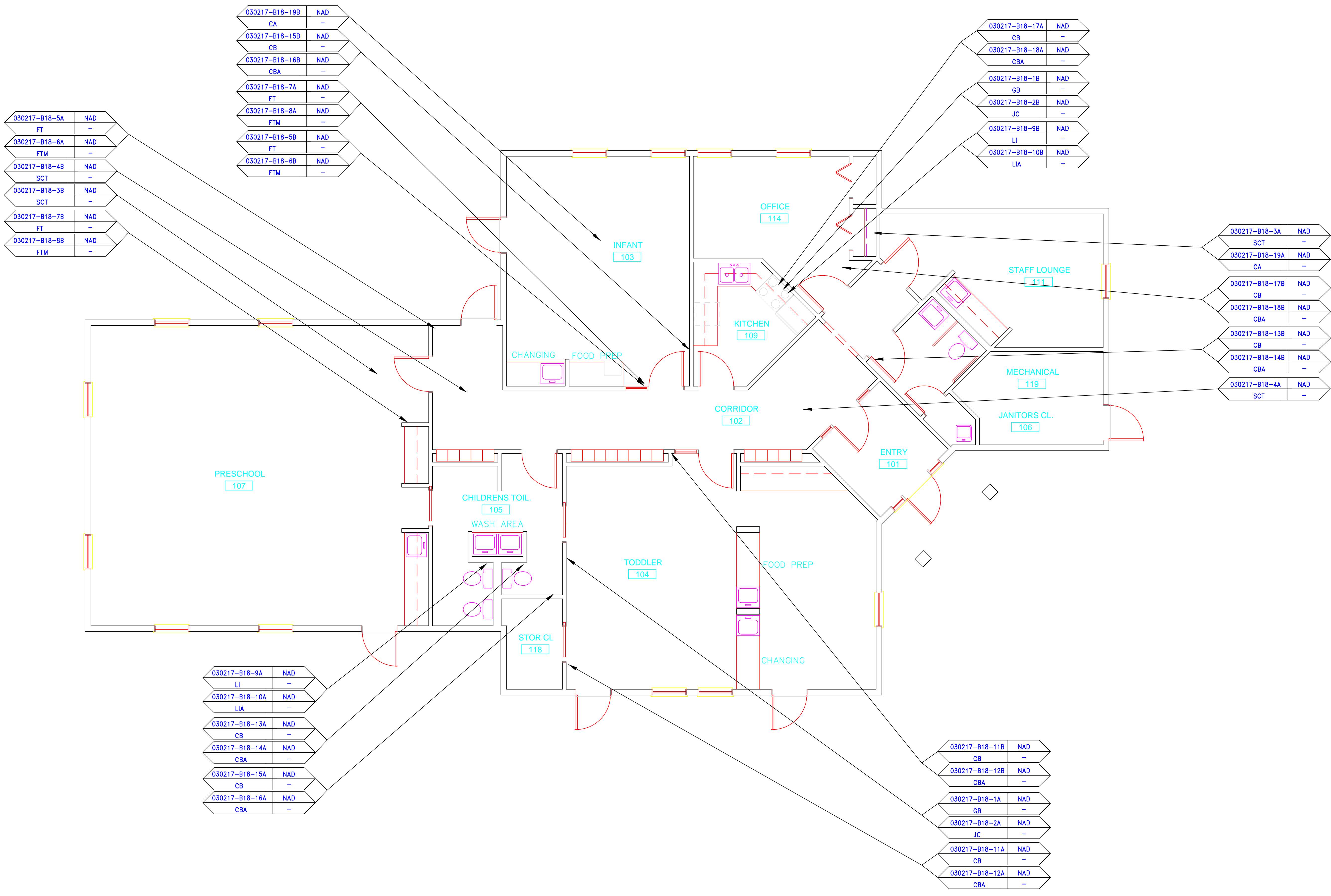
Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**





030217-B18-5A	NAD
FT	-
030217-B18-6A	NAD
FTM	-
030217-B18-4B	NAD
SCT	-
030217-B18-3B	NAD
SCT	-
030217-B18-7B	NAD
FT	-
030217-B18-8B	NAD
FTM	-

030217-B18-19B	NAD
CA	-
030217-B18-15B	NAD
CB	-
030217-B18-16B	NAD
CBA	-
030217-B18-7A	NAD
FT	-
030217-B18-8A	NAD
FTM	-
030217-B18-5B	NAD
FT	-
030217-B18-6B	NAD
FTM	-

030217-B18-17A	NAD
CB	-
030217-B18-18A	NAD
CBA	-
030217-B18-1B	NAD
GB	-
030217-B18-2B	NAD
JC	-
030217-B18-9B	NAD
LI	-
030217-B18-10B	NAD
LIA	-

030217-B18-3A	NAD
SCT	-
030217-B18-19A	NAD
CA	-
030217-B18-17B	NAD
CB	-
030217-B18-18B	NAD
CBA	-
030217-B18-13B	NAD
CB	-
030217-B18-14B	NAD
CBA	-
030217-B18-4A	NAD
SCT	-

030217-B18-9A	NAD
LI	-
030217-B18-10A	NAD
LIA	-
030217-B18-13A	NAD
CB	-
030217-B18-14A	NAD
CBA	-
030217-B18-15A	NAD
CB	-
030217-B18-16A	NAD
CBA	-

030217-B18-11B	NAD
CB	-
030217-B18-12B	NAD
CBA	-
030217-B18-1A	NAD
GB	-
030217-B18-2A	NAD
JC	-
030217-B18-11A	NAD
CB	-
030217-B18-12A	NAD
CBA	-

**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPU
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECAP = END CAP PACKING
- ECOS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION PLAN FLOOR PLAN		date: 3/17/17	
REVISIONS		SCALE: 1/4" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-1A
		290 Roberts Street, Suite 201 Rocky Hill, CT 06067-1000 ENVIRONMENTAL • GEOTECHNICAL BUILDING SERVICES • MATERIALS TESTING PROJECT: BUILDING INSPECTION ESRG SERVICES BUILDING 1B STATE VETERANS HOME ROCKY HILL, CONNECTICUT CAD no.: project no.: 2257316087	

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 20  
Maintenance Building  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53648  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Maintenance Building, Building 20, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



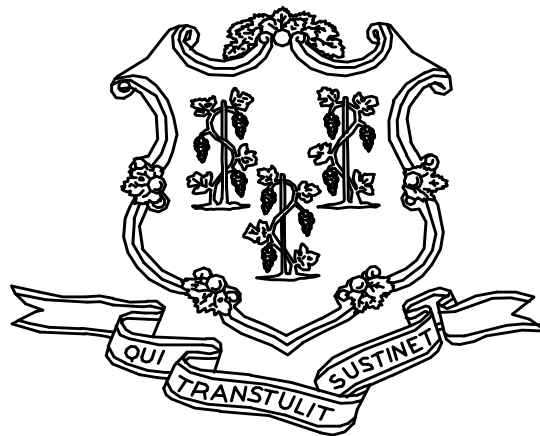
---

Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**MAINTENANCE BUILDING  
BUILDING 20  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53648  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**



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APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Maintenance Building, Building 20 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Mr. John Coletti on November 14, 2016. Mr. Coletti is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspector (CTDPH license number 000399). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: homosote board, gypsum board and joint compound.

### 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that none of the sampled materials are asbestos-containing material (ACM).

The materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Homosote Board
- Gypsum Board and Joint Compound (Composite)
- Joint Compound

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming

or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

## **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 20 – MAINTENANCE BUILDING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
111416-M-13A	Garage	Homosote Board	ND	
111416-M-13B	Garage	Homosote Board	ND	
111416-M-14A	Garage	Gypsum Board/Joint Compound (Composite)	ND	
111416-M-14B	Garage	Gypsum Board/Joint Compound (Composite)	ND	
111416-M-14C	Garage	Gypsum Board/Joint Compound (Composite)	ND	
111416-M-15A	Garage	Joint Compound	ND	
111416-M-15B	Garage	Joint Compound	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031634332

**Customer ID:** ATCE51

**Customer PO:**

**Project ID:**

**Attention:** ATC Group Services LLC  
104 E. 25th St.  
10th Floor  
New York, NY 10010

**Phone:** (212) 353-8280

**Fax:** (212) 353-8306

**Received Date:** 11/16/2016 7:32 PM

**Analysis Date:** 11/17/2016

**Collected Date:** 11/14/2016

**Project:** 2257316087/ CT DCS/ MAINTENANCE BUILDING 20/ VETERANS HOME ROCK HILL

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111416-M-13A 031634332-0001	HOMOSITE/ GARAGE	Brown Non-Fibrous Homogeneous	60% Cellulose	2% Mica 38% Non-fibrous (Other)	None Detected
111416-M-13B 031634332-0002	HOMOSITE/ GARAGE	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
111416-M-14A 031634332-0003	GYPSON BOARD & JOINT COMPOUND/ GARAGE	Brown/White Non-Fibrous Homogeneous	20% Cellulose	35% Gypsum 45% Non-fibrous (Other)	None Detected
111416-M-14B 031634332-0004	GYPSON BOARD & JOINT COMPOUND/ GARAGE	Brown/White Non-Fibrous Homogeneous	25% Cellulose	11% Ca Carbonate 40% Gypsum 24% Non-fibrous (Other)	None Detected
111416-M-14C 031634332-0005	GYPSON BOARD & JOINT COMPOUND/ GARAGE	Brown/Gray Non-Fibrous Homogeneous	3% Cellulose	45% Ca Carbonate 25% Gypsum 27% Non-fibrous (Other)	None Detected
111416-M-15A 031634332-0006	JOINT COMPOUND ONLY/ GARAGE	Gray Non-Fibrous Homogeneous	5% Fibrous_Other	30% Gypsum 65% Non-fibrous (Other)	None Detected
111416-M-15B 031634332-0007	JOINT COMPOUND ONLY/ GARAGE	White Non-Fibrous Homogeneous	2% Cellulose	45% Ca Carbonate 20% Gypsum 33% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/17/2016 12:42:53





**EMSL Analytical, Inc.**

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031634332  
**Customer ID:** ATCE51  
**Customer PO:**  
**Project ID:**

**Attention:** ATC Group Services LLC  
104 E. 25th St.  
10th Floor  
New York, NY 10010

**Phone:** (212) 353-8280  
**Fax:** (212) 353-8306  
**Received Date:** 11/16/2016 7:32 PM  
**Analysis Date:** 11/17/2016  
**Collected Date:** 11/14/2016

**Project:** 2257316087/ CT DCS/ MAINTENANCE BUILDING 20/ VETERANS HOME ROCK HILL

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 11/16/2016      Sample Receipt Time: 7:32 PM  
Analysis Completed Date: 11/17/2016      Analysis Completed Time: 11:26 AM

**Analyst(s):**

Emily Myint PLM (3)

Krystal Harris PLM (4)

**Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/17/2016 12:42:53

Page 1 of 1  
 290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

**BULK SAMPLE LOG**



Shaping the Future

Client Name: CT PCS  
 Project No./Task No.: 2257316087  
 Project Manager: ED FENNEL  
 Requested Completion Date: 11/17/16  
 Lab Name: E.M.S.C Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 7  
 Building: MAINTENANCE BUILD Address: VETERANS HOME ROBERT HILL

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
<u>GARAGE</u>	<u>HOMOSITE</u>	<u>Misc</u>	<u>200 SF</u>	<u>N</u>	<u>D</u>		<u>111716-M-13A</u>
<u>GARAGE</u>	<u>GYPSUM BOARD</u>	<u>Misc</u>	<u>250 SF</u>	<u>N</u>	<u>SP</u>		<u>111716-M-13B</u>
<u>GARAGE</u>	<u>JOINT COMPOUND</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>		<u>111716-M-13A</u>
<u>GARAGE</u>	<u>JOINT COMPOUND</u>	<u>Misc</u>	<u>200 SF</u>	<u>N</u>	<u>SP</u>		<u>111716-M-13B</u>
							<u>EMSL MANHATTAN LAB</u>
							<u>RECEIVED</u>
							<u>16 NOV 16 PM 7:32</u>

Comments:

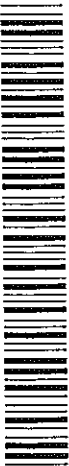
Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-front) Denaturation (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music m-auditorium-mechanical m-elevator-other) Barriers (perm airtight-moderate-smooth)  
 Relinquished By/Date: JOHN COLETTA Received By/Date: 11/17/16 11:36 A  
 Relinquished By/Date: JOHN COLETTA Received By/Date: 11/17/16 7:32 PM

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



JOHN COLETTI  
22 TOPER RD  
PLAINFIELD CT 06374-1944



Dear JOHN COLETTI,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 509-7603  
oplc.dph@ct.gov  
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JOHN COLETTI

VALIDATION NO. 03-494786	CERTIFICATE NO. 000399	CURRENT THROUGH 06/30/17
-----------------------------	---------------------------	-----------------------------

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

*John Coletti*      *Raul Pino*  
SIGNATURE                      COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
ASBESTOS CONSULTANT-INSPECTOR

JOHN COLETTI

CERTIFICATE NO. 000399
CURRENT THROUGH 06/30/17
VALIDATION NO. 03-494786

*John Coletti*      *Raul Pino*  
SIGNATURE                      COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards in this form.
2. Display the large card in a prominent place in your office or place of business.
3. Use a wallet card in for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/validity in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JOHN COLETTI

VALIDATION NO. 03-494786	CERTIFICATE NO. 000399	CURRENT THROUGH 06/30/17
-----------------------------	---------------------------	-----------------------------

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

*John Coletti*      *Raul Pino*  
SIGNATURE                      COMMISSIONER

1003587-0000588-0000001 of 0 v.01-C01-rd00101-1665-03592

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**John Coletti**

*has successfully completed the*  
**4 Hour Asbestos Site Inspector Refresher Training**  
**Asbestos Accreditation Under TSCA Title II**  
**40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC**  
**73 William Franks Drive**  
**West Springfield, MA 01089**  
**(413) 781-0070**



*Principal Instructor: Thomas Dion*

*September 15, 2016*

*Date of Course*

*September 15, 2017*

*Expiration Date*



*Regional Training Manager: Gregory Morsch*

*SIAR - 5521*

*Certificate Number*

*September 15, 2016*

*Examination Date*

**APPENDIX B**  
**DRAWINGS**

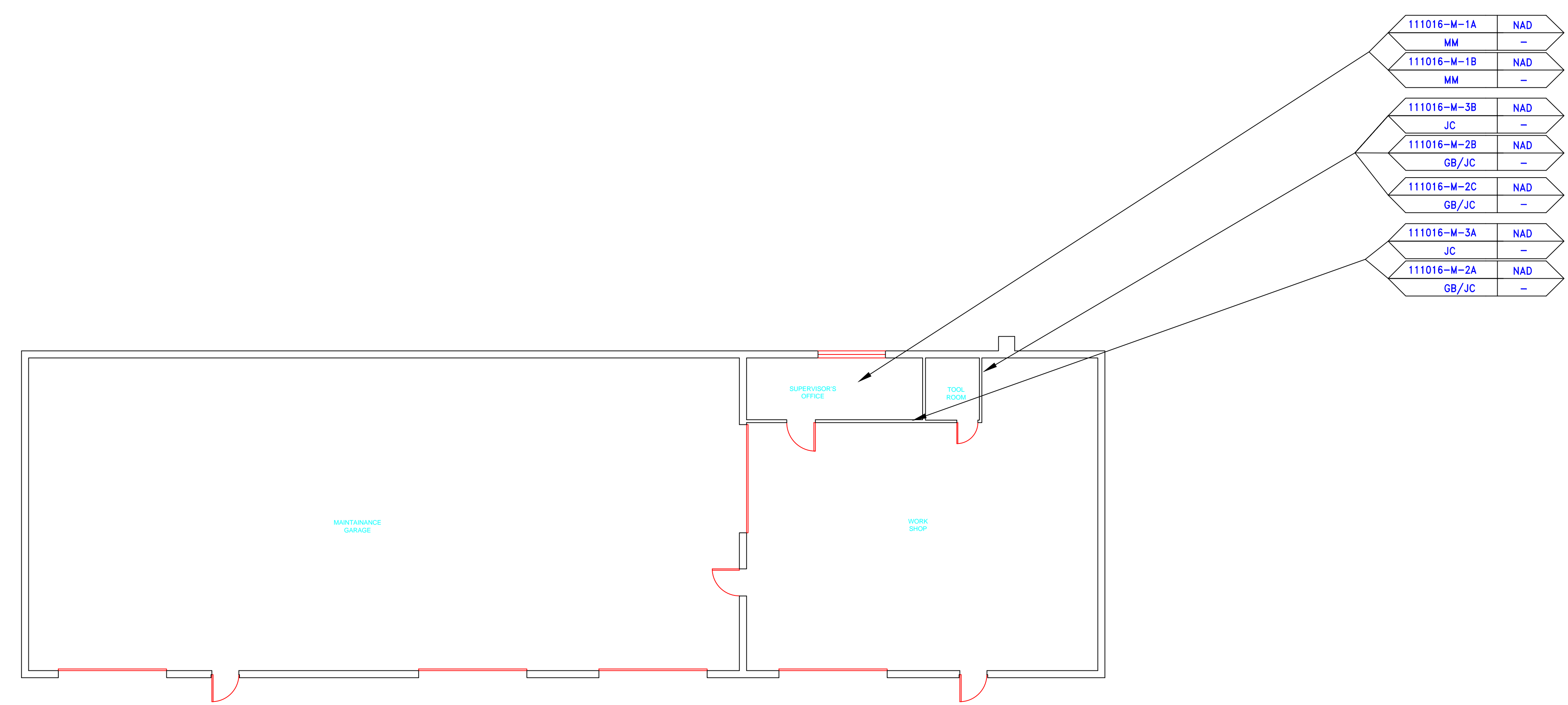


**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPU
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECF	=	END CAP PACKING
ECG	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSON BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



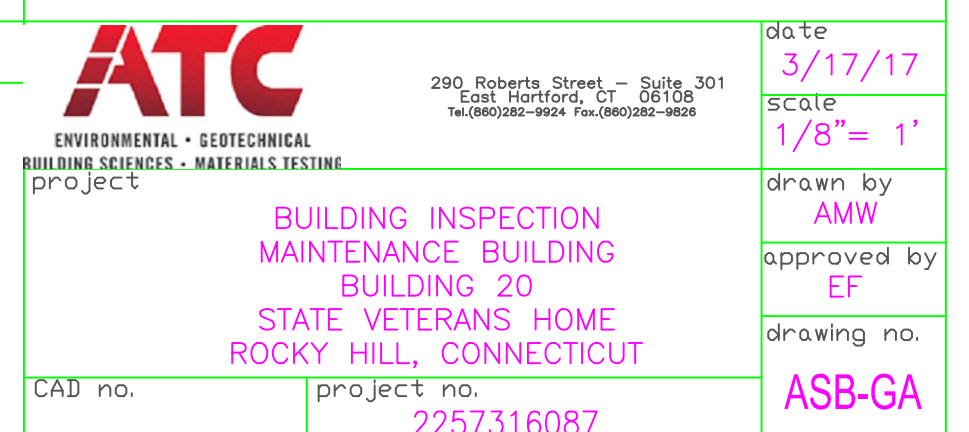
SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
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[Symbol]	ACM JOINT COMPOUND
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**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING

-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION GROUND FLOOR PLAN			
R E V I S I O N S			
mark	date	description	date
			3/17/17
		SCALE 1/8" = 1'	
		drawn by AMW	
		approved by EF	
		drawing no. ASB-GA	
CAD no.		project no. 2257316087	









ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SCIENCES • MATERIALS TESTING

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
Telephone 860-282-9924  
Fax 860-282-9826  
www.atcgroupservices.com

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 40  
Pump House  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53568  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for Building 40, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**

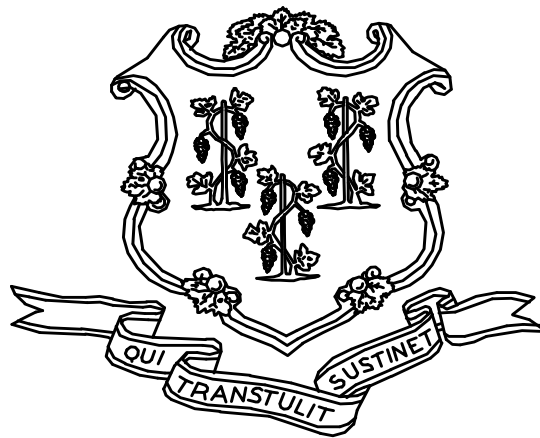
---

Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**PUMP HOUSE  
BUILDING 40  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53568  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in Building 40 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on March 9, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included a plaster ceiling.

### 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the none of the sampled materials are asbestos-containing material (ACM).

The materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Ceiling

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement"

as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

## **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## 6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS

**TABLE 6-1  
 BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS  
 STATE VETERANS HOME  
 PUMP HOUSE  
 BUILDING 40**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
030917-B40-1A	Pump House	Plaster Ceiling	ND	
030917-B40-1B	Pump House	Plaster Ceiling	ND	
030917-B40-1C	Pump House	Plaster Ceiling	ND	

ND = None Detected



**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031706474
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826

**Received Date:** 03/10/2017 11:09 AM  
**Analysis Date:** 03/13/2017  
**Collected Date:** 03/09/2017

**Project:** 2257316087/ ALISA WESRST/ VETERANS HOME, ROCKY HILL, CT/ BLDG 40

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030917-B40-1A 031706474-0001	PUMP HOUSE - PLASTER CEILING	Brown Non-Fibrous Homogeneous		50% Quartz 25% Ca Carbonate 25% Non-fibrous (Other)	None Detected
030917-B40-1B 031706474-0002	PUMP HOUSE - PLASTER CEILING	Brown Non-Fibrous Homogeneous	3% Cellulose	50% Quartz 26% Ca Carbonate 21% Non-fibrous (Other)	None Detected
030917-B40-1C 031706474-0003	PUMP HOUSE - PLASTER CEILING	Brown Non-Fibrous Homogeneous		48% Quartz 22% Gypsum 30% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/13/2017 12:32:35



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031706474
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>


<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826
<b>Project:</b> 2257316087/ ALISA WESRST/ VETERANS HOME, ROCKY HILL, CT/ BLDG 40	<b>Received Date:</b> 03/10/2017 11:09 AM <b>Analysis Date:</b> 03/13/2017 <b>Collected Date:</b> 03/09/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:


Sample Receipt Date:	03/10/2017	Sample Receipt Time:	11:09 AM
Analysis Completed Date:	03/13/2017	Analysis Completed Time:	5:03 AM

### **Analyst(s):**




---


Ghaly Hemaya PLM (2)




---

Kamel Alawawda PLM (1)

### **Samples Reviewed and approved by:**




---

James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/13/2017 12:32:35



BULK SAMPLE LOG

031706474

Page 1 of 1  
290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa WERSY Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 3-9-17 Project Manager: E. Fennell

Signature: Alisa WERSY Requested Completion Date: \_\_\_\_\_

Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 8 DY 5 DY No. Samples Collected \_\_\_\_\_

Building: Bldg 40 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Pump House	Plaster ceiling	S	5			1	030917-B40-1A
"	"	S	5			2	1B
"	"	S	5			3	1C

Comments: PCM

Notes: Damage Factors: \_\_\_\_\_ Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Deterioration (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)

Disturbance Factors: \_\_\_\_\_ Proximity (<1ft-1-6ft->6ft) Air conduits (air plenum - air shaft - shaft/duct) Vibration (gym-music-m-audio/floor-mechanical m-elevator-other) Barriers (perm airtight-enclosed-encapsulated)

Relinquished By/Date: \_\_\_\_\_ Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

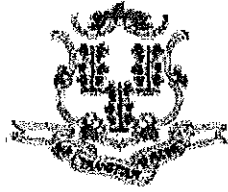
*Alisa WERSY*

FR 8100 2431 7747

*Alisa WERSY*

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

Certificate Number

October 13, 2016

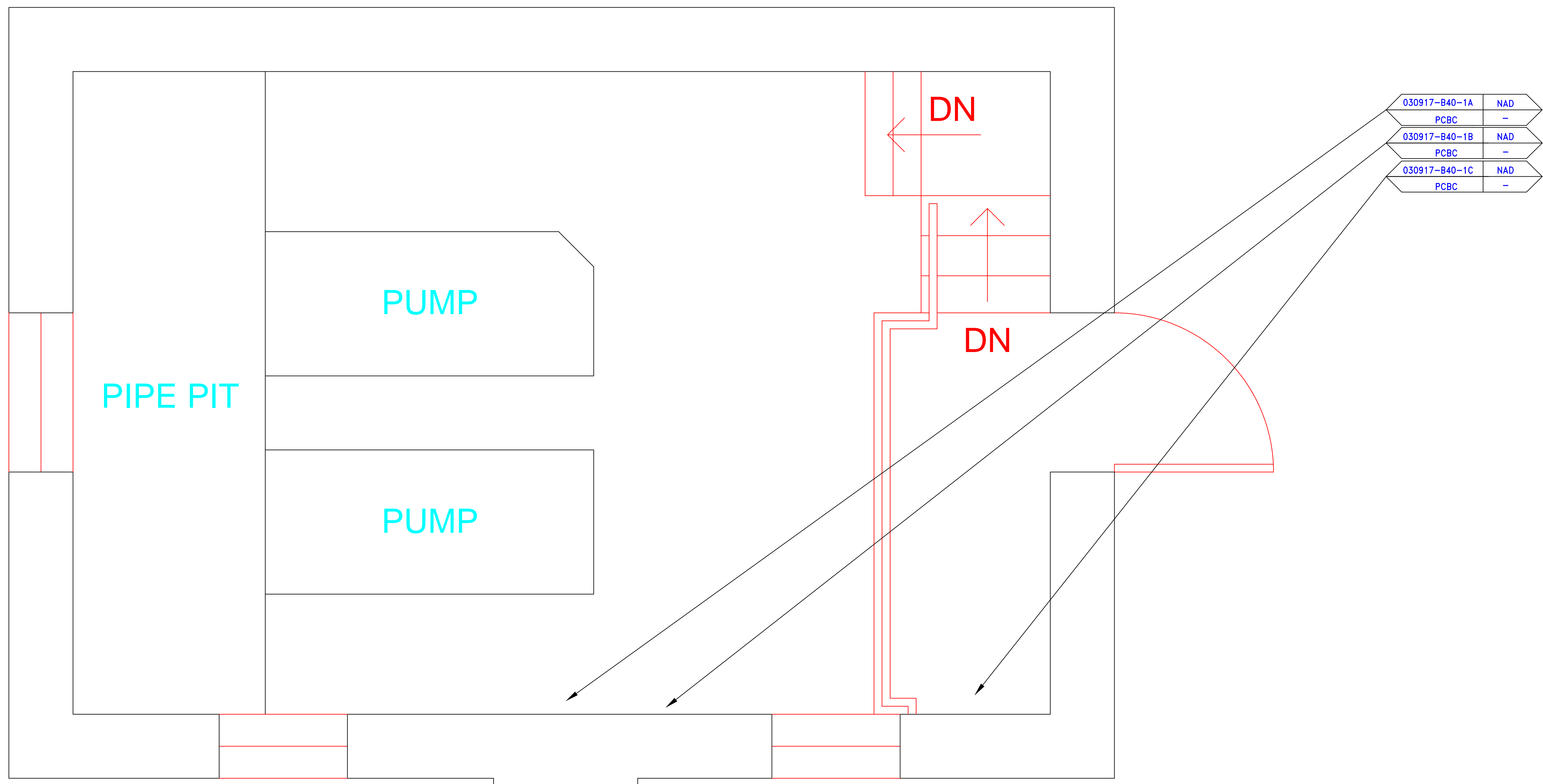
Examination Date

**APPENDIX B**  
**DRAWINGS**





SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE



SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>SAMPLE LOCATION PLAN FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION PUMP HOUSE BUILDING 40 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 3/4" = 1' drawn by AMW approved by EF
CAD no.	project no.	2257316087	drawing no. ASB-1A

**ATC**  
 ENVIRONMENTAL - METEOROLOGICAL  
 ENGINEERING - ARCHITECTURAL - INTERIORS  
 200 Roberts Street - Suite 301  
 East Windsor, CT 06026  
 (860) 255-1000  
 www.atc-engineers.com





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East Hartford, CT 06108  
Telephone 860-282-9924  
Fax 860-282-9826  
[www.atcgroupservices.com](http://www.atcgroupservices.com)

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 50  
Veterans Recovery Center  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53248  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Veterans Recovery Center, Building 50, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**

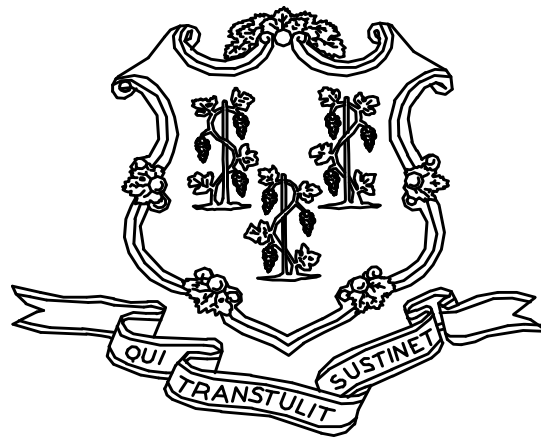
---

Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**VETERANS RECOVERY CENTER  
BUILDING 50  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53248  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Veterans Recovery Center, Building 50 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Mr. John Coletti and Ms. Alisa Werst November 16, 2016. Mr. Coletti and Ms. Werst are State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license numbers 000399 and 000736 respectively). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: floor tile and associated mastic, fire stop, carpet adhesive, cove base and associated adhesive, textured ceiling coating, gypsum board and joint compound, window caulking and glazing, expansion joint caulk, and plaster.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 9" x 9" Red Floor Tile
- 9" x 9" Green Floor Tile
- 9" x 9" Dark Brown Floor Tile
- 9" x 9" Brown Floor Tile and Associated Mastic
- 9" x 9" Black Floor Tile and Associated Mastic
- 9" x 9" Light Brown Floor Tile and Associated Mastic
- Black Border Tile
- Soft Coat Ceiling Plaster
- Exterior Caulk at Entrance (Gray)
- Textured Ceiling Coating
- Window Caulking

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- 12" x 12" Off White Floor Tile and Associated Mastic
- 9" x 9" Red Floor Tile Mastic

- 9" x 9" Green Floor Tile Mastic
- 12" x 12" Off White Floor Tile (Type II) and Associated Mastic
- 12" x 12" Brown Floor Tile and Associated Mastic
- 12" x 12" Cream Floor Tile and Associated Mastic
- Black Border Tile Mastic
- Yellow Carpet Adhesive
- Tan Cove Base and Associated Adhesive
- Wall Plaster – Skim Coat
- Wall Plaster – Base Coat
- Gypsum Board
- Joint Compound
- Textured Paint on Concrete
- Red Fire Stop
- Red Window Caulking
- Window Glazing Compound
- Expansion Joint Caulk

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.



This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## 6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 50 - VETERANS RECOVERY CENTER**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
111616-50-1A	Basement Room B6	12" x 12" Off White Floor Tile	ND	
111616-50-1B	Basement Room B8	12" x 12" Off White Floor Tile	ND	
111616-50-1C	Basement Room B26	12" x 12" Off White Floor Tile	ND	
111616-50-2A	Basement Room B6	Black Mastic for 12" x 12" Off White Floor Tile	ND	
111616-50-2B	Basement Room B8	Black Mastic for 12" x 12" Off White Floor Tile	ND	
111616-50-2C	Basement Room B26	Black Mastic for 12" x 12" Off White Floor Tile	ND	
111616-50-3A	Basement Room B25	Red Fire Stop	ND	
111616-50-3B	Basement Room B25	Red Fire Stop	ND	
111616-50-4A	Basement Meeting Room	Yellow Carpet Adhesive	ND	
111616-50-4B	Basement Room B18	Yellow Carpet Adhesive	ND	
111616-50-5A	Basement by Elevator	Tan Cove Base	ND	
111616-50-5B	Basement by Elevator	Tan Cove Base	ND	
111616-50-6A	Basement by Elevator	Tan Cove Base Adhesive	ND	
111616-50-6B	Basement by Elevator	Tan Cove Base Adhesive	ND	
<b>111616-50-7A</b>	<b>Room 124</b>	<b>9" x 9" Red Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>111616-50-7B</b>	<b>Room 124</b>	<b>9" x 9" Red Floor Tile</b>	<b>6</b>	<b>Chrysotile</b>
111616-50-8A	Room 124	Black Mastic for 9" x 9" Red Floor Tile	0.20*	Chrysotile
111616-50-8B	Room 124	Black Mastic for 9" x 9" Red Floor Tile	ND	
<b>111616-50-9A</b>	<b>Room 102</b>	<b>9" x 9" Green Floor Tile</b>	<b>8</b>	<b>Chrysotile</b>
<b>111616-50-9B</b>	<b>Room 202</b>	<b>9" x 9" Green Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>

**TABLE 6-1  
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STATE VETERANS HOME  
BUILDING 50 - VETERANS RECOVERY CENTER**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
111616-50-10A	Room 102	Mastic for 9" x 9" Green Floor Tile	ND*	
111616-50-10B	Room 202	Mastic for 9" x 9" Green Floor Tile	ND	
111616-50-11A	Room 141	12" x 12" Off White Floor Tile (Type II)	ND	
111616-50-11B	Room 216	12" x 12" Off White Floor Tile (Type II)	ND	
111616-50-12A	Room 141	Mastic for 12" x 12" Off White Floor Tile (Type II)	ND	
111616-50-12B	Room 216	Mastic for 12" x 12" Off White Floor Tile (Type II)	ND	
<b>111616-50-13A</b>	<b>Room 102</b>	<b>Black Border Tile</b>	<b>4</b>	<b>Chrysotile</b>
<b>111616-50-13B</b>	<b>Room 202</b>	<b>Black Border Tile</b>	<b>5</b>	<b>Chrysotile</b>
111616-50-14A	Exterior	Window Caulking (Red)	ND	
111616-50-14B	Exterior	Window Caulking (Red)	ND	
<b>111616-50-15A</b>	<b>Exterior</b>	<b>Exterior Caulk at Entrance (Gray)</b>	<b>16</b>	<b>Chrysotile</b>
<b>111616-50-15B</b>	<b>Exterior</b>	<b>Exterior Caulk at Entrance (Gray)</b>	<b>12</b>	<b>Chrysotile</b>
<b>111616-50-16A</b>	<b>Basement Corridor CBA</b>	<b>Textured Ceiling Coating</b>	<b>6</b>	<b>Chrysotile</b>
<b>111616-50-16B</b>	<b>Basement Corridor CBA</b>	<b>Textured Ceiling Coating</b>	<b>2</b>	<b>Chrysotile</b>
<b>111616-50-16C</b>	<b>Basement Corridor CBA</b>	<b>Textured Ceiling Coating</b>	<b>4</b>	<b>Chrysotile</b>
<b>111616-50-16D</b>	<b>First Floor Corridor C1A</b>	<b>Textured Ceiling Coating</b>	<b>3</b>	<b>Chrysotile</b>
<b>111616-50-16E</b>	<b>Second Floor Corridor C2A</b>	<b>Textured Ceiling Coating</b>	<b>2</b>	<b>Chrysotile</b>
<b>111616-50-16F</b>	<b>Second Floor Stair</b>	<b>Textured Ceiling Coating</b>	<b>3</b>	<b>Chrysotile</b>
<b>111616-50-16G</b>	<b>Third Floor Corridor C3B By 316</b>	<b>Textured Ceiling Coating</b>	<b>5</b>	<b>Chrysotile</b>
<b>111616-50-17A</b>	<b>Room 114</b>	<b>9" x 9" Light Brown Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 50 - VETERANS RECOVERY CENTER**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
<b>111616-50-17B</b>	<b>Room 136</b>	<b>9" x 9" Light Brown Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
111616-50-18A	Room 114	Mastic for 9" x 9" Light Brown Floor Tile	ND	
<b>111616-50-18B</b>	<b>Room 136</b>	<b>Mastic for 9" x 9" Light Brown Floor Tile</b>	<b>1.2*</b>	<b>Chrysotile</b>
111616-50-19A	Room 261	Joint Compound	ND	
111616-50-19B	Basement	Joint Compound	ND	
111616-50-20A	Room 118	Textured Paint on Concrete	ND	
111616-50-20B	Room 128	Textured Paint on Concrete	ND	
111616-50-20C	Room 359	Textured Paint on Concrete	ND	
111616-50-21A	Exterior	Window Glazing	ND	
111616-50-21B	Exterior	Window Glazing	ND	
<b>111616-50-22A</b>	<b>Room 116</b>	<b>9" x 9" Black Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>111616-50-22B</b>	<b>Room 316</b>	<b>9" x 9" Black Floor Tile</b>	<b>6</b>	<b>Chrysotile</b>
<b>111616-50-23A</b>	<b>Room 116</b>	<b>Mastic for 9" x 9" Black Floor Tile</b>	<b>4.3*</b>	<b>Chrysotile</b>
111616-50-23B	Room 316	Mastic for 9" x 9" Black Floor Tile	ND	
<b>111616-50-24A</b>	<b>Third Floor Hall</b>	<b>9" x 9" Dark Brown Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
<b>111616-50-24B</b>	<b>Third Floor Hall</b>	<b>9" x 9" Dark Brown Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
111616-50-25A	Third Floor Hall	Mastic for 9" x 9" Dark Brown Floor Tile	ND	
111616-50-25B	Third Floor Hall	Mastic for 9" x 9" Dark Brown Floor Tile	ND	
111616-50-26	Room 376	12" x 12" Cream Floor Tile	ND	
111616-50-27	Room 261	12" x 12" Brown Floor Tile	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 50 - VETERANS RECOVERY CENTER**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
111616-50-28	Room 376	Yellow Mastic for 12" x 12" Cream Floor Tile	ND	
111616-50-29	Room 261	Yellow Mastic for 12" x 12" Brown Floor Tile	ND	
<b>111616-50-30A</b>	<b>Exterior Basement</b>	<b>Window Caulking</b>	<b>23</b>	<b>Chrysotile</b>
<b>111616-50-30B</b>	<b>Exterior Basement</b>	<b>Window Caulking</b>	<b>6</b>	<b>Chrysotile</b>
111616-50-31A	Basement	Gypsum Board	ND	
111616-50-31B	Room 261	Gypsum Board	ND	
111616-50-32A	East Wall	Expansion Joint Caulk	ND	
111616-50-32B	East Wall	Expansion Joint Caulk	ND	
<b>111616-50-33A</b>	<b>Basement Corridor CBA</b>	<b>Soft Coat Ceiling Plaster</b>	<b>4</b>	<b>Chrysotile</b>
<b>111616-50-33B</b>	<b>Basement Corridor CBA</b>	<b>Soft Coat Ceiling Plaster</b>	<b>13</b>	<b>Chrysotile</b>
<b>111616-50-33C</b>	<b>Basement Corridor CBA</b>	<b>Soft Coat Ceiling Plaster</b>	<b>5</b>	<b>Chrysotile</b>
111616-50-34A	Room 106	Plaster Wall - Skim-Coat	ND	
111616-50-34B	Room 116	Plaster Wall - Skim-Coat	ND	
111616-50-34C	Room 205	Plaster Wall - Skim-Coat	ND	
111616-50-34D	Room 316	Plaster Wall - Skim-Coat	ND	
111616-50-34E	Room 377	Plaster Wall - Skim-Coat	ND	
111616-50-34F	Corridor C1A by Room 150	Plaster Wall - Skim-Coat	ND	
111616-50-34G	Corridor C2A by Room 265	Plaster Wall - Skim-Coat	ND	
111616-50-35A	Room 106	Plaster Wall - Base-Coat	ND	
111616-50-35B	Room 116	Plaster Wall - Base-Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 50 - VETERANS RECOVERY CENTER**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
111616-50-35C	Room 205	Plaster Wall - Base-Coat	ND	
111616-50-35D	Room 316	Plaster Wall - Base-Coat	ND	
111616-50-35E	Room 377	Plaster Wall - Base-Coat	ND	
111616-50-35F	Corridor C1A by Room 150	Plaster Wall - Base-Coat	ND	
111616-50-35G	Corridor C2A by Room 265	Plaster Wall - Base-Coat	ND	

ND = None Detected

\* = Sample Analyzed via Transmission Electron Microscopy (TEM)

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**





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**EMSL Order:** 031634587

**Customer ID:** ATCE54

**Customer PO:** 16-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 11/17/2016 10:45 AM

**Analysis Date:** 11/20/2016

**Collected Date:** 11/16/2016

**Project:** 2257316087/ CT PCS/ VETERANS HOME, ROCKY HILL, CT/ BUILDING #50

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11161650-1A 031634587-0001	BASEMENT B6 - 12" X 12" OFF WHITE FLOOR TILES	Non-Fibrous Homogeneous		48% Ca Carbonate 52% Non-fibrous (Other)	None Detected
11161650-1B 031634587-0002	BASEMENT B8 - 12" X 12" OFF WHITE FLOOR TILES	Gray/Tan Non-Fibrous Homogeneous		53% Ca Carbonate 47% Non-fibrous (Other)	None Detected
11161650-1C 031634587-0003	BASEMENT B26 - 12" X 12" OFF WHITE FLOOR TILES	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
11161650-2A 031634587-0004	BASEMENT B6 - BLACK MASTIC TO 12" X 12" WHITE TILES	Black Non-Fibrous Homogeneous	17% Cellulose	83% Non-fibrous (Other)	None Detected
11161650-2B 031634587-0005	BASEMENT B8 - BLACK MASTIC TO 12" X 12" WHITE TILES	Black Non-Fibrous Homogeneous	18% Cellulose	82% Non-fibrous (Other)	None Detected
11161650-2C 031634587-0006	BASEMENT B26 - BLACK MASTIC TO 12" X 12" WHITE TILES	Black Non-Fibrous Homogeneous	6% Cellulose	34% Non-fibrous (Other)	None Detected
11161650-3A 031634587-0007	ROOM B25 - RED FINE STOP	Red Non-Fibrous Homogeneous	3% Cellulose	22% Ca Carbonate 75% Non-fibrous (Other)	None Detected
11161650-3B 031634587-0008	ROOM B25 - RED FINE STOP	Red Non-Fibrous Homogeneous		60% Non-fibrous (Other)	None Detected
11161650-4A 031634587-0009	BASEMENT MEETING ROOM - YELLOW CARPET MASTIC	Yellow Non-Fibrous Homogeneous	2% Cellulose	33% Non-fibrous (Other)	None Detected
11161650-4B 031634587-0010	BASEMENT B18 - YELLOW CARPET MASTIC	Yellow Non-Fibrous Homogeneous		40% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report amended: 11/21/2016 08:34:48 Replaces initial report from: 11/20/2016 19:00:45 Reason Code: Data Entry-Change to Appearance



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<b>EMSL Order:</b> 031634587
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 16-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 11/17/2016 10:45 AM <b>Analysis Date:</b> 11/20/2016 <b>Collected Date:</b> 11/16/2016
<b>Project:</b> 2257316087/ CT PCS/ VETERANS HOME, ROCKY HILL, CT/ BUILDING #50	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11161650-5A 031634587-0011	BASEMENT BY ELEVATOR - TAN COVE BASE	Tan Non-Fibrous Homogeneous		12% Ca Carbonate 88% Non-fibrous (Other)	None Detected
11161650-5B 031634587-0012	BASEMENT BY ELEVATOR - TAN COVE BASE	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
11161650-6A 031634587-0013	BASEMENT BY ELEVATOR - MASTIC TO TAN COVE BASE	Tan Non-Fibrous Homogeneous		28% Ca Carbonate 72% Non-fibrous (Other)	None Detected
11161650-6B 031634587-0014	BASEMENT BY ELEVATOR - MASTIC TO TAN COVE BASE	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
11161650-7A 031634587-0015	ROOM 124 - 9" X 9" RED FLOOR TILE	Brown/Red Non-Fibrous Homogeneous		20% Ca Carbonate 77% Non-fibrous (Other)	3% Chrysotile
11161650-7B 031634587-0016	ROOM 124 - 9" X 9" RED FLOOR TILE	Red Non-Fibrous Homogeneous		15% Ca Carbonate 77% Non-fibrous (Other)	8% Chrysotile
11161650-8A 031634587-0017	ROOM 124 - BLACK MASTIC TO FLOOR TILE	Black Non-Fibrous Homogeneous	1% Cellulose	1% Quartz 4% Ca Carbonate 94% Non-fibrous (Other)	None Detected
11161650-8B 031634587-0018	ROOM 124 - BLACK MASTIC TO FLOOR TILE	Black Non-Fibrous Homogeneous	5% Cellulose	35% Non-fibrous (Other)	None Detected
11161650-9A 031634587-0019	ROOM 102 - 9 X 9 GREEN FLOOR TILE	Gray/Green Non-Fibrous Homogeneous		36% Ca Carbonate 59% Non-fibrous (Other)	5% Chrysotile
11161650-9B 031634587-0020	ROOM 202 - 9 X 9 GREEN FLOOR TILE	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 56% Non-fibrous (Other)	4% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

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<b>Customer PO:</b> 16-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 11/17/2016 10:45 AM <b>Analysis Date:</b> 11/20/2016 <b>Collected Date:</b> 11/16/2016
<b>Project:</b> 2257316087/ CT PCS/ VETERANS HOME, ROCKY HILL, CT/ BUILDING #50	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11161650-10A 031634587-0021	ROOM 102 - MASTIC TO GREEN TILE	Black Non-Fibrous Homogeneous	1% Cellulose	5% Ca Carbonate 24% Non-fibrous (Other)	None Detected
11161650-10B 031634587-0022	ROOM 202 - MASTIC TO GREEN TILE	Black Non-Fibrous Homogeneous		40% Non-fibrous (Other)	None Detected
11161650-11A 031634587-0023	ROOM 141 - 12 X 12 OFF WHITE TILE 2	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
11161650-11B 031634587-0024	ROOM 216 - 12 X 12 OFF WHITE TILE 2	Tan Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
11161650-12A 031634587-0025	ROOM 141 - MASTIC TO 12" X 12" OFF WHITE TILE 2	Yellow Non-Fibrous Homogeneous	3% Cellulose	4% Ca Carbonate 93% Non-fibrous (Other)	None Detected
11161650-12B 031634587-0026	ROOM 216 - MASTIC TO 12" X 12" OFF WHITE TILE 2	Brown Non-Fibrous Homogeneous		30% Non-fibrous (Other)	None Detected
11161650-13A 031634587-0027	ROOM 102 - BLACK BORDER TILE	Black Non-Fibrous Homogeneous		47% Ca Carbonate 49% Non-fibrous (Other)	4% Chrysotile
11161650-13B 031634587-0028	ROOM 202 - BLACK BORDER TILE	Black Non-Fibrous Homogeneous		50% Non-fibrous (Other)	5% Chrysotile
11161650-14A 031634587-0029	EXTERIOR - WINDOW CAULK (RED)	Brown Non-Fibrous Homogeneous		36% Ca Carbonate 64% Non-fibrous (Other)	None Detected
11161650-14B 031634587-0030	EXTERIOR - WINDOW CAULK (RED)	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11161650-15A 031634587-0031	EXTERIOR - EXTERIOR CAULK AT ENTRANCE GRAY	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 59% Non-fibrous (Other)	16% Chrysotile
11161650-15B 031634587-0032	AT ENTRANCE - EXTERIOR CAULK AT ENTRANCE GRAY	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 48% Non-fibrous (Other)	12% Chrysotile
11161650-16A 031634587-0033	LOWER HALL - TEXTURED CEILING	Gray/White Non-Fibrous Homogeneous	5% Cellulose	37% Ca Carbonate 52% Non-fibrous (Other)	6% Chrysotile
11161650-16B 031634587-0034	LOWER HALL - TEXTURED CEILING	Gray/White Non-Fibrous Homogeneous	3% Cellulose	30% Ca Carbonate 22% Perlite 43% Non-fibrous (Other)	2% Chrysotile
11161650-16C 031634587-0035	LOWER HALL - TEXTURED CEILING	Tan/White Non-Fibrous Homogeneous	2% Cellulose	40% Ca Carbonate 54% Non-fibrous (Other)	4% Chrysotile
11161650-16D 031634587-0036	1ST FLOOR HALL - TEXTURED CEILING	Tan Non-Fibrous Homogeneous	14% Cellulose	45% Perlite 38% Non-fibrous (Other)	3% Chrysotile
11161650-16E 031634587-0037	2ND FLOOR HALL - TEXTURED CEILING	Tan Non-Fibrous Homogeneous	20% Cellulose	35% Perlite 43% Non-fibrous (Other)	2% Chrysotile
11161650-16F 031634587-0038	2ND FLOOR STAIR - TEXTURED CEILING	White Non-Fibrous Homogeneous		15% Ca Carbonate 82% Non-fibrous (Other)	3% Chrysotile
11161650-16G 031634587-0039	3RD HALL BY 316 - TEXTURED CEILING	White Non-Fibrous Homogeneous		15% Ca Carbonate 80% Non-fibrous (Other)	5% Chrysotile
11161650-17A 031634587-0040	ROOM 114 - LIGHT BROWN 9" X 9" FLOOR TILE	Brown Non-Fibrous Homogeneous		30% Ca Carbonate 67% Non-fibrous (Other)	3% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11161650-17B 031634587-0041	ROOM 136 - LIGHT BROWN 9" X 9" FLOOR TILE	Brown Non-Fibrous Homogeneous		40% Ca Carbonate 56% Non-fibrous (Other)	4% Chrysotile
11161650-18A 031634587-0042	ROOM 114 - MASTIC TO TILE	Black Non-Fibrous Homogeneous	2% Cellulose	3% Quartz 10% Ca Carbonate 85% Non-fibrous (Other)	None Detected
11161650-18B 031634587-0043	ROOM 136 - MASTIC TO TILE	White/Black Non-Fibrous Homogeneous		45% Non-fibrous (Other)	5% Chrysotile
11161650-19A 031634587-0044	ROOM 261 - JOINT COMPOUND	White Non-Fibrous Homogeneous		57% Ca Carbonate 43% Non-fibrous (Other)	None Detected
11161650-19B 031634587-0045	BASEMENT - JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
11161650-20A 031634587-0046	ROOM 118 - TEXTURED PAINT ON CONC	White/Beige Non-Fibrous Homogeneous		3% Quartz 40% Ca Carbonate 30% Gypsum 27% Non-fibrous (Other)	None Detected
11161650-20B 031634587-0047	ROOM 128 - TEXTURED PAINT ON CONC	Gray/White Non-Fibrous Homogeneous	2% Cellulose	32% Ca Carbonate 38% Gypsum 7% Perlite 21% Non-fibrous (Other)	None Detected
11161650-20C 031634587-0048	ROOM 359 - TEXTURED PAINT ON CONC	Gray/White Non-Fibrous Homogeneous		60% Quartz 40% Non-fibrous (Other)	None Detected
11161650-21A 031634587-0049	EXTERIOR - WINDOW GLAZING COMP	White/Various Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
11161650-21B 031634587-0050	EXTERIOR - WINDOW GLAZING COMP	Gray Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11161650-22A 031634587-0051	ROOM 116 - 9 X 9 BLACK FLOOR TILE	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
11161650-22B 031634587-0052	ROOM 316 - 9 X 9 BLACK FLOOR TILE	Black Non-Fibrous Homogeneous		15% Ca Carbonate 79% Non-fibrous (Other)	6% Chrysotile
11161650-23A 031634587-0053	ROOM 116 - MASTIC TO TILE	Black Non-Fibrous Homogeneous		30% Ca Carbonate 65% Non-fibrous (Other)	5% Chrysotile
11161650-23B 031634587-0054	ROOM 316 - MASTIC TO TILE	Black Non-Fibrous Homogeneous		55% Non-fibrous (Other)	None Detected
11161650-24A 031634587-0055	FLOOR 3 HALL - 9" X 9" DARK BROWN TILE	Brown Non-Fibrous Homogeneous		40% Ca Carbonate 57% Non-fibrous (Other)	3% Chrysotile
11161650-24B 031634587-0056	FLOOR 3 HALL - 9" X 9" DARK BROWN TILE	Brown Non-Fibrous Homogeneous		50% Ca Carbonate 46% Non-fibrous (Other)	4% Chrysotile
11161650-25A 031634587-0057	FLOOR 3 HALL - MASTIC TO BROWN TILE	Black Non-Fibrous Homogeneous	4% Cellulose	8% Ca Carbonate 88% Non-fibrous (Other)	None Detected
11161650-25B 031634587-0058	FLOOR 3 HALL - MASTIC TO BROWN TILE	Black Non-Fibrous Homogeneous		55% Non-fibrous (Other)	None Detected
11161650-26 031634587-0059	ROOM 376 - 12 X 12 CREAMY FLOOR TILE	Gray/White/Beige Non-Fibrous Homogeneous		52% Ca Carbonate 48% Non-fibrous (Other)	None Detected
11161650-27 031634587-0060	ROOM 261 - 12 X 12 BROWN FLOOR TILE	Brown/Gray Non-Fibrous Homogeneous	2% Cellulose	46% Ca Carbonate 52% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11161650-28 031634587-0061	ROOM 326 - YELLOW MASTIC TO CREAM/ BROWN FT	Yellow Non-Fibrous Homogeneous	7% Cellulose	10% Ca Carbonate 83% Non-fibrous (Other)	None Detected
11161650-29 031634587-0062	ROOM 261 - YELLOW MASTIC TO CREAM/ BROWN FT	Yellow Non-Fibrous Homogeneous	1% Cellulose	5% Ca Carbonate 44% Non-fibrous (Other)	None Detected
11161650-30A 031634587-0063	EXT BASE - WINDOW CAULK	Brown Non-Fibrous Homogeneous		27% Ca Carbonate 50% Non-fibrous (Other)	23% Chrysotile
11161650-30B 031634587-0064	EXT BASE - WINDOW CAULK	Gray/Tan Non-Fibrous Homogeneous		15% Ca Carbonate 80% Non-fibrous (Other)	5% Chrysotile
11161650-31A 031634587-0065	BASEMENT - GYPSUMBOARD	Gray Non-Fibrous Homogeneous	14% Cellulose	74% Gypsum 12% Non-fibrous (Other)	None Detected
11161650-31B 031634587-0066	ROOM 261 - GYPSUMBOARD	Gray Non-Fibrous Homogeneous	5% Cellulose	65% Gypsum 30% Non-fibrous (Other)	None Detected
11161650-32A 031634587-0067	EAST WALL - EXPANSION CAULK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11161650-32B 031634587-0068	EAST WALL - EXPANSION CAULK	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
11161650-33A 031634587-0069	BASEMENT - PLASTER BASE SOFT CEILING	Tan/White Non-Fibrous Homogeneous	7% Cellulose	60% Perlite 29% Non-fibrous (Other)	4% Chrysotile
11161650-33B 031634587-0070	BASEMENT - PLASTER BASE SOFT CEILING	Tan Non-Fibrous Homogeneous	5% Cellulose	50% Perlite 32% Non-fibrous (Other)	13% Chrysotile

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			% Fibrous	% Non-Fibrous	% Type
11161650-33C 031634587-0071	BASEMENT - PLASTER BASE SOFT CEILING	Gray/Tan Non-Fibrous Homogeneous		60% Ca Carbonate 35% Non-fibrous (Other)	5% Chrysotile
11161650-34A 031634587-0072	ROOM 106 - PLASTER SKIM	White Non-Fibrous Homogeneous		56% Ca Carbonate 44% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
11161650-34B 031634587-0073	ROOM 116 - PLASTER SKIM	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
11161650-34C 031634587-0074	ROOM 205 - PLASTER SKIM	White Non-Fibrous Homogeneous		62% Ca Carbonate 38% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
11161650-34D 031634587-0075	ROOM 316 - PLASTER SKIM	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (Other)	None Detected
11161650-34E 031634587-0076	ROOM 377 - PLASTER SKIM	White Non-Fibrous Homogeneous		52% Ca Carbonate 48% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
11161650-34F 031634587-0077	HALL BY 150 - PLASTER SKIM	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
11161650-34G 031634587-0078	HALL BY 265 - PLASTER SKIM	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (Other)	None Detected
11161650-35A 031634587-0079	ROOM 106 - PLASTER BASE	Brown Non-Fibrous Homogeneous		57% Quartz 40% Gypsum 3% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
11161650-35B 031634587-0080	ROOM 116 - PLASTER BASE	Brown Non-Fibrous Homogeneous		50% Quartz 38% Gypsum 12% Non-fibrous (Other)	None Detected
11161650-35C 031634587-0081	ROOM 205 - PLASTER BASE	Brown Non-Fibrous Homogeneous	1% Cellulose	45% Quartz 48% Gypsum 6% Non-fibrous (Other)	None Detected
11161650-35D 031634587-0082	ROOM 316 - PLASTER BASE	Brown Non-Fibrous Homogeneous	<1% Cellulose	32% Quartz 54% Gypsum 14% Non-fibrous (Other)	None Detected
11161650-35E 031634587-0083	ROOM 377 - PLASTER BASE	Brown Non-Fibrous Homogeneous		60% Quartz 27% Gypsum 13% Non-fibrous (Other)	None Detected
11161650-35F 031634587-0084	HALL BY 150 - PLASTER BASE	Brown/Gray Non-Fibrous Homogeneous		60% Quartz 40% Non-fibrous (Other)	None Detected
11161650-35G 031634587-0085	HALL BY 265 - PLASTER BASE	Brown/Gray Non-Fibrous Homogeneous		50% Quartz 50% Non-fibrous (Other)	None Detected

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**EMSL Analytical, Inc.**

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031634587  
**Customer ID:** ATCE54  
**Customer PO:** 16-10133-0001  
**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CT PCS/ VETERANS HOME, ROCKY HILL, CT/ BUILDING #50

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 11/17/2016 10:45 AM  
**Analysis Date:** 11/20/2016  
**Collected Date:** 11/16/2016

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 11/17/2016      Sample Receipt Time: 10:45 AM  
Analysis Completed Date: 11/20/2016      Analysis Completed Time: 4:12 AM

**Analyst(s):**



Daena Charles PLM (34)



Emmanuel Moise PLM (51)

**Samples Reviewed and approved by:**



James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Report amended: 11/21/2016 08:34:48 Replaces initial report from: 11/20/2016 19:00:45 Reason Code: Data Entry-Change to Appearance



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031634587

**Customer ID:** ATCE54

**Customer PO:** 16-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 11/17/2016 10:45 AM

**Analysis Date:** 12/01/2016

**Collected Date:** 11/16/2016

**Project:** 2257316087/ CT PCS/ VETERANS HOME, ROCKY HILL, CT/ BUILDING #50

## Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
11161650-8A 031634587-0017	ROOM 124 - BLACK MASTIC TO FLOOR TILE	Black Non-Fibrous Heterogeneous	99.8	None	0.20% Chrysotile
11161650-10A 031634587-0021	ROOM 102 - MASTIC TO GREEN TILE	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
11161650-18B 031634587-0043	ROOM 136 - MASTIC TO TILE	White/Black Non-Fibrous Heterogeneous	98.8	None	1.2% Chrysotile
11161650-23A 031634587-0053	ROOM 116 - MASTIC TO TILE	Black Non-Fibrous Heterogeneous	95.7	None	4.3% Chrysotile

Analyst(s)

Gerald Iannuzzi (4)

James Hall, Laboratory Manager  
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial report from: 12/01/2016 15:46:49



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector:	JOHN COLETTI	Client Name:	CT PCS				
Accreditation No.:	000399	Project No./Task No.:	2257316087				
Survey Date:	11/16/16	Project Manager:	ED FENNEL				
Signature:	<i>[Signature]</i>	Requested Completion Date:	11/21/16				
Lab Name:	THS L	Requested turnaround time (circle):	3 HR 6 HR 24 HR 48 HR (3 DY) 5 DY				
Building:	BUILDING # 50	Address:	VETERANS HOME ROCKY HILL, CT				
Location	Material Description	Type S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
(BASE- MENT) ↓ B26	12" x 12" OFF WHITE FLOOR TILES	MISC ↓	2,350 SF ↓	N ↓	ND ↓		111616 (50) -1A 1B 1C
BASEMENT ↓ B8 ↓ PCS	BLACK MASTIC TO 12" 12" WHITE TILES	MISC	2,350 SF	N	ND		111616 (50) -2A 2B 2C
ROOM 1 ↓ B-18	RED FIRE STOP	MISC	26 LF	N	ND		111616 (50) 3A 3B
(BASE- MENT) ↓ BY ELEVATOR	YELLOW CARPET MASTIC	MISC	4100 SF	N	ND		111616 (50) 4A 4B
(BASE- MENT) ↓	TAN COVE MASTIC TO TAN COVE BASE	MISC ↓	275 LF ↓	N ↓	ND ↓		111616 (50) 5A 5B 6A 6B

**Comments:**

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft)  
 Disturbance Factors: Ventilation (yes-no; if yes, type)

Water (extensive-moderate-slight-none)  
 Accessibility (within reach-barely reachable-not reachable)  
 Air conduits (air plenum - air shaft-elevator shaft - duct)

Deterioration (heavy-moderate-light-none)  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)  
 Air movement (high-moderate-low)

Relinquished By/Date: JOHN COLETTI, 11/16/16  
 Received By/Date: [Signature], 11/20/16 11:30AM

Relinquished By/Date: [Signature], 11/20/16 11:30AM  
 Received By/Date: [Signature], 11/20/16 11:30AM

Reliability (yes-no; hard-mod-soft surface)  
 Barriers (perm airtight-enclosed-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

MANHATTAN LAB RECEIVED  
 16 NOV 17 AM 10:45

031634587



# ATC

GROUP SERVICES LLC

## BULK SAMPLE LOG

Page 2 of 6

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno	ATC Inspector:	JOHN COLETTI	Client Name:	CT PCS			
Accreditation No.:	000399	Project No./Task No.:	2257316057				
Survey Date:	11/16/16	Project Manager:	ED FENNEL				
Signature:	[Signature]	Requested Completion Date:	11/21/16	(86)			
Lab Name:	FMSL	Requested turnaround time (circle):	3 HR	6 HR			
Building:	BUILDING # 50	Address:	VETERANS HOME	ROCKY HILL, CT			
Location	Material Description	Type TSI S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
ROOM 124	9" x 9" RED FLOOR TILE	Misc	110 SF	N	ND	111616-007A	7A
ROOM 124	BLACK PLASTIC TO FLOOR TILE	I		I			7B
ROOM 102	9 x 9 GREEN FLOOR TILE	Misc	1100 SF	N	ND	111616-009A	9A
ROOM 102	MASTIC TO GREEN TILE	I		I			9B
ROOM 141	12" x 12" OFF WHITE TILE II	Misc	300 SF	N	NG	111616-011A	11A
ROOM 141	MASTIC TO 12" x 12" OFF WHITE TILE II	I		I			11B
ROOM 102	BLACK BORDER TILE	Misc	700 SF	N	ND	111616-012A	12A
EXTENSION	WINDOW SILL (RED)	I	180 EACH	N	ND	111616-013A	13A
						111616-014A	14A
						111616-015A	15A
						111616-016A	16A

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16 NOV 17 11:13 AM

Relinquished By/Date: JOHN COLETTI, 11/16/16  
Received By/Date: [Signature], 11/20/16 1pm

Relinquished By/Date: [Signature], 11/16/16  
Received By/Date: [Signature], 11/20/16 1pm

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type)  
 Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum- air shaft- elevator shaft- duct)  
 Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)  
 Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

S:\BldgSci\Admin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc



**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector:	JOHN COLETTI	Client Name:	CT PCS				
Accreditation No.:	000399	Project No./Task No.:	22557316087				
Survey Date:	11/16/16	Project Manager:	FR FENNELLO				
Signature:	<i>[Signature]</i>	Requested Completion Date:	11/21/16				
Lab Name:	FMSL	Requested turnaround time (circle):	3 HR 6 HR 24 HR 48 HR (3 DY) 5 DY				
Building:	BUILDING # 50	Address:	VETERANS HOME ROCKY HILL, CT				
Location	Material Description	Type TSI S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
EXTENDA AT ENTRANCE LOWER HALL ↓	EXTERIOR CAULK AT ENTRANCE GRAY TEXTURED CEILING	Misc Surf	40 CF 20,000 SF	N Y	ND ND		111616 50-15A 15A 16A 16B 16C 16D 16E 16F 16G
1 <sup>st</sup> FLOOR HALL 2 <sup>nd</sup> FLOOR HALL 2 <sup>nd</sup> FLOOR STAIR 3 <sup>rd</sup> HALL BY 316 ↓							<del>17A 17B 18A 18B 18C</del>
ROOM 114 136 114 136	LIGHT BROWN 9' x 9' FLOOR TILE MASTIC TO TILE	Misc	1175 SF	N	ND		17A 17B 18A 18B 18C
ROOM 261 BASEMENT	JOINT COMPOUND		1400 SF	N	ND		17A 17B 18A 18B 18C

Comments: **MANHATTAN LAB RECEIVED** 16 NOV 17 AM 10:45

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1.6ft->6ft) Ventilation (yes-no; if yes, type)  
 Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)  
 Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)  
 Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: JOHN COLETTI 11/16/16 Received By/Date: *[Signature]* 11/17/16 4:55  
 Relinquished By/Date: *[Signature]* 11/20/16 11:13 AM Received By/Date: *[Signature]* 11/20/16 1:00 PM

031634587

Page 4 of 4



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector:	JOHN COLETTI	Client Name:	CT PCS				
Accreditation No.:	000399	Project No./Task No.:	2257316087				
Survey Date:	11/16/16	Project Manager:	ED FENNEL				
Signature:	<i>[Signature]</i>	Requested Completion Date:	11/21/16				
Lab Name:	FMSL	Requested turnaround time (circle):	3 HR 6 HR 24 HR 48 HR (3 DY) 5 DY				
Building:	BUILDING # 50	Address:	VETERANS HOME, ROCKY HILL, CT				
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
ROOM 11F   12F 359	TEXTURED PAINT ON GONG	Surf	475SF	Y	ND	11111110-20A 20A	
EXTERIOR	WINDOW GLAZING COMP	Misc	180 EA	N	ND		21A 21B
ROOM 11B   310 11B 316	9x9 BLACK FLOOR TILE MASTIC TO 9x9" DARK BROWN TILE MASTIC TO BROWN TILE		650SF	N	ND		21A 21B 21A 21B
FLOOR 3 HALL		Misc	7900SF	N	ND		23A 24A 24A 24A
Room 316   261	12x12 CREAMY FLOOR TILE 12x12 BROWN FLOOR TILE	MISC	149SF 181	N	ND		25A 26A

16 NOV 17 AM 11:13

11/17/16

11/17/16 10:45 AM  
 11/20/16 11:39 AM

Comments:

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft)  
 Disturbance Factors: Ventilation (yes-no; if yes, type)  
 Water (extensive-moderate-slight-none)  
 Accessibility (within reach-barely reachable-not reachable)  
 Air conduits (air plenum- air shaft- elevator shaft- duct)

Deterioration (heavy-moderate-light-none)  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)  
 Air movement (high-moderate-low)

Relinquished By/Date:  
 Relinquished By/Date:

Received By/Date:  
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JOHN COLETTI 11/16/16

Received By/Date:  
 Received By/Date:

11/20/16 11:39 AM



# BULK SAMPLE LOG

031634587

Page 5 of 6

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector:	JOHN COLETTI	Client Name:	CT PCS				
Accreditation No.:	000399	Project No./Task No.:	2257316087				
Survey Date:	11/16/16	Project Manager:	ED FENNEL				
Signature:	<i>[Signature]</i>	Requested Completion Date:	11/21/16				
Lab Name:	FMSL	Requested turnaround time (circle):	3 HR 6 HR 24 HR 48 HR (3 DY) 5 DY				
Building:	BUILDING # 50	Address:	VETERANS HOME ROCKY HILL, CT				
Location	Material Description	Type S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
ROOM 326	YELLOW MASTIC TO	Misc	140	N	ND		11161159-28
1 261	SI-CAM/BROWN FT		140				29
EXT BASE	WINDOW	Misc	20	N	I		30A
	CAULK		EA				30B
BASEMENT	GYPSUM BOARD	Misc	1401st	N	ND		31A
R. 261	EXPANSION						31B
EAST WALL	CAULK		350ft	N	ND		EMSLA
							RECEIVED
BASEMENT	PLASTER BASE	Surf	775sq	Y	ND		16 NOV 17 AM 10:45
	SOFT CEILING		1				

Comments: 11

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft- 1-6ft- >6ft) Ventilation (yes-no; if yes, type)

Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum- air shaft- elevator shaft - duct)

Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)

Relinquished By/Date: JOHN COLETTI 11/16/16 Received By/Date: *[Signature]*

Relinquished By/Date: *[Signature]* Received By/Date: *[Signature]*

11/20/16 11:35AM 11/20/16 1pm



031634587



# ATC

GROUP SERVICES LLC

## BULK SAMPLE LOG

Page 6 of 6

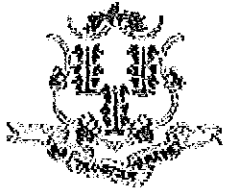
290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: JOHN SOLETTI		Client Name: CT PCS					
Accreditation No.: 000399		Project No./Task No.: 2257316087					
Survey Date: 11/16/16		Project Manager: ED FEANECC					
Signature: [Signature]		Requested Completion Date: 11/21/16					
Lab Name: FMSL		No. Samples Collected: 80					
Requested turnaround time (circle): 3 HR		48 HR (3 DY) 5 DY					
Building: BUILDING # 50		Address: VETERANS HOME ROCKY HILL, CT					
Location	Material Description	Type TSI S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
ROOM 106	PLASTER SKIM	Surf	60,000 SF	Y	ND		11616-50-34A
1116							340
205							34C
316							34D
377							34E
HALL 07150							34F
HALL 07265							34G
ROOM 106	PLASTER BASE	Surf	60,000 SF	Y	NP		35A
116							35B
205							35C
316							35D
377							35E
HALL 07150							35F
HALL 07265							35G

Comments: 16 NOV 17 AM 10:45  
 Notes: Friability (yes-no; hard-mod-soft surface)  
 Damage Factors: Barriers (perm airtight-enclosed-encapsulated)  
 Disturbance Factors: Texture (rough-pitted-moderate-smooth)  
 Relinquished By/Date: JOHN SOLETTI 11/16/16 Received By/Date: [Signature] 11/20/16  
 Relinquished By/Date: [Signature] 11/16/16 Received By/Date: [Signature] 11/20/16

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

**Lookup Detail View**

**Name**

<b>Name</b>
JOHN A COLETTI

**License Information**

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	399	06/30/2017	11/30/1999	John Coletti	ACTIVE	None

Generated on: 7/11/2016 2:33:44 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**John Coletti**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**



*Principal Instructor: Thomas Dion*

*September 15, 2016*

*Date of Course*

*September 15, 2017*

*Expiration Date*



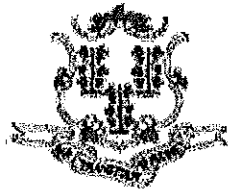
*Regional Training Manager: Gregory Morsch*

*SLAR - 5521*

*Certificate Number*

*September 15, 2016*

*Examination Date*



State of Connecticut

## Lookup Detail View

**Name**

<b>Name</b>
ALISA M WERST

**License Information**

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

Certificate Number

October 13, 2016

Examination Date

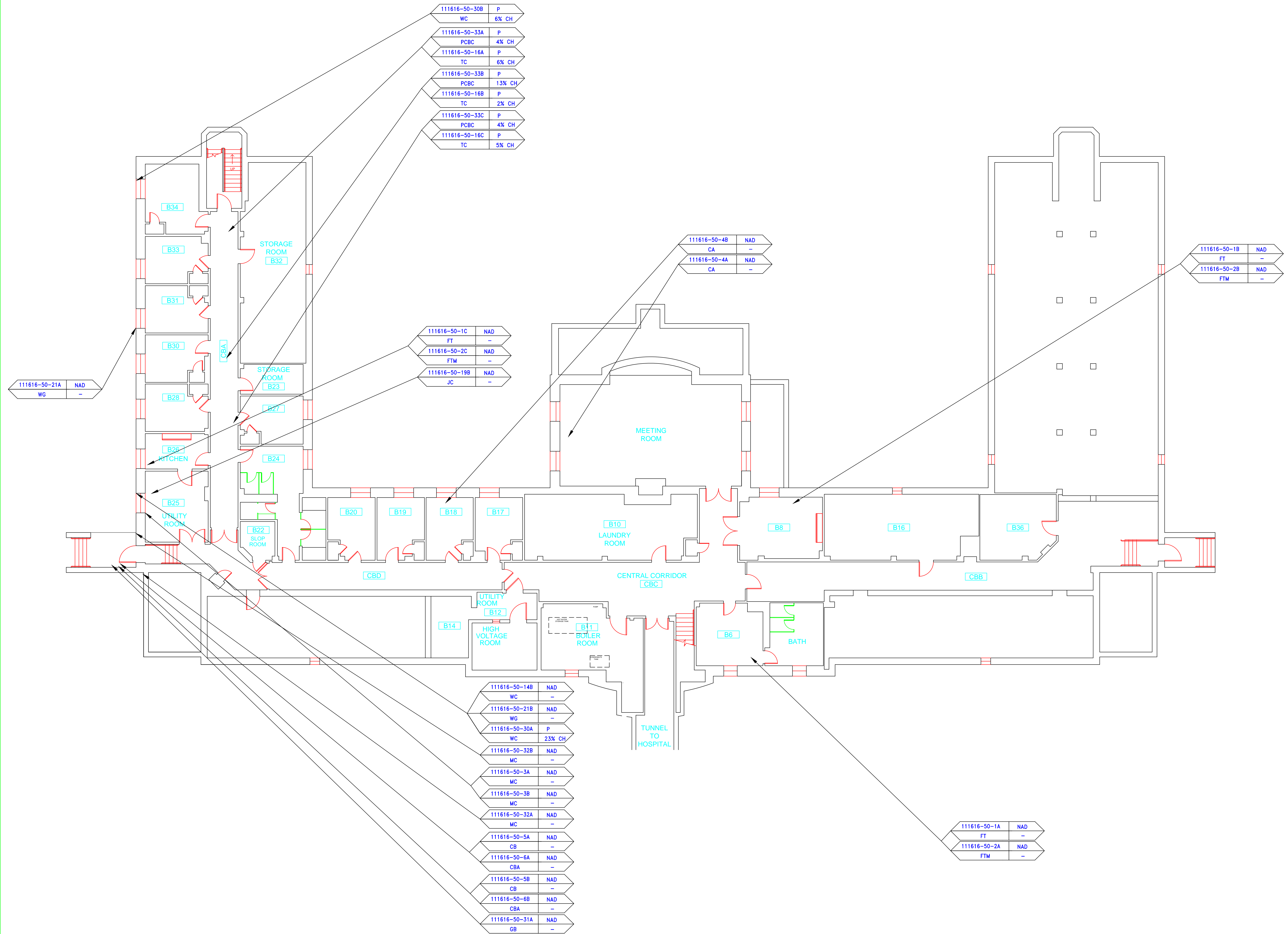
**APPENDIX B**  
**DRAWINGS**



SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPU
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECF	= END CAP PACKING
ECG	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

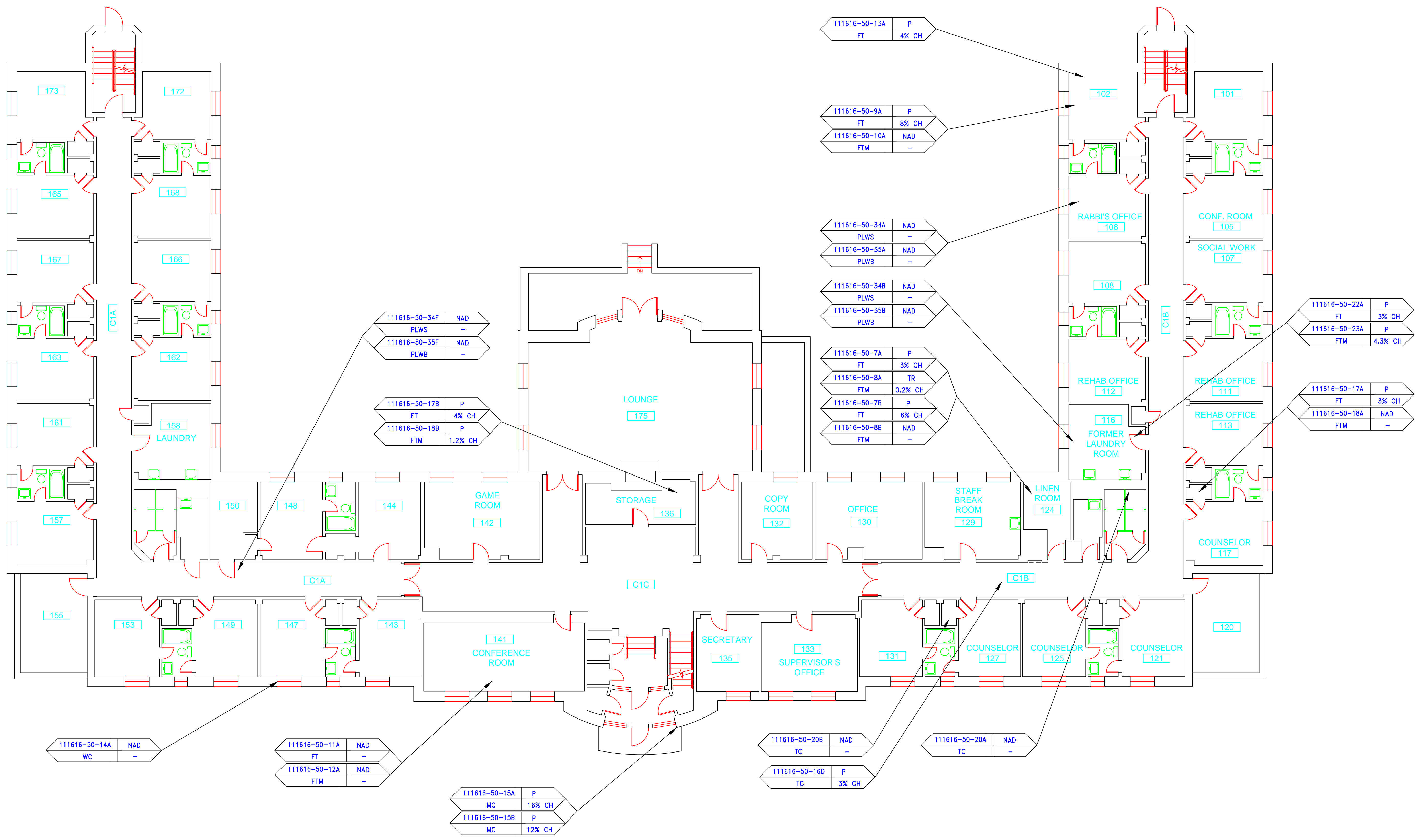
SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

NOTES  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS



drawing title <b>SAMPLE LOCATIONS BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		date 3/17/17	
mark	date	description	scale 1/8" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-BA
CAD no.		project no. 2257316087	





**SAMPLE LEGEND**

SAMPLE IDENTIFICATION: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

MATERIAL DESCRIPTION: AM, BI, CA, CB, CC, CFTA, CFTG, CFTSC, CH, CO, CT, CWTA, CWTG, CWTSC, DC, DG, DI, DIA, DIW, DS, ECP, ECS, EFIS, EJF, FC, FP, FT, FTM, GB, GD, JC, LI, LIA, LV, MA, MC, MM, MS, N, NA, NAD, NAPS, P, PF, PI, PIA, PLCB, PLCS, PLWB, PLWS, PM, PS, PSI, PW, SCT, SU, T, TC, TR, VB, WC, WF, WG, WP, WT

PERCENTAGE AND TYPE OF ASBESTOS: P, CH, TR, NAD, N, NA, NAD, NAPS, P, PF, PI, PIA, PLCB, PLCS, PLWB, PLWS, PM, PS, PSI, PW, SCT, SU, T, TC, TR, VB, WC, WF, WG, WP, WT

SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING

-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

**SAMPLE LOCATIONS FIRST FLOOR PLAN**

STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES

DATE: 3/17/17

SCALE: 1/8" = 1'

drawn by: AMW

approved by: EF

drawing no.: ASB-1A

project no.: 2257316087

ATC ENVIRONMENTAL - GEOTECHNICAL BUILDING SERVICES - MATERIALS TESTING, INC.

BUILDING INSPECTION  
VETERANS RECOVERY CENTER  
BUILDING 50  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT

**SAMPLE LEGEND**

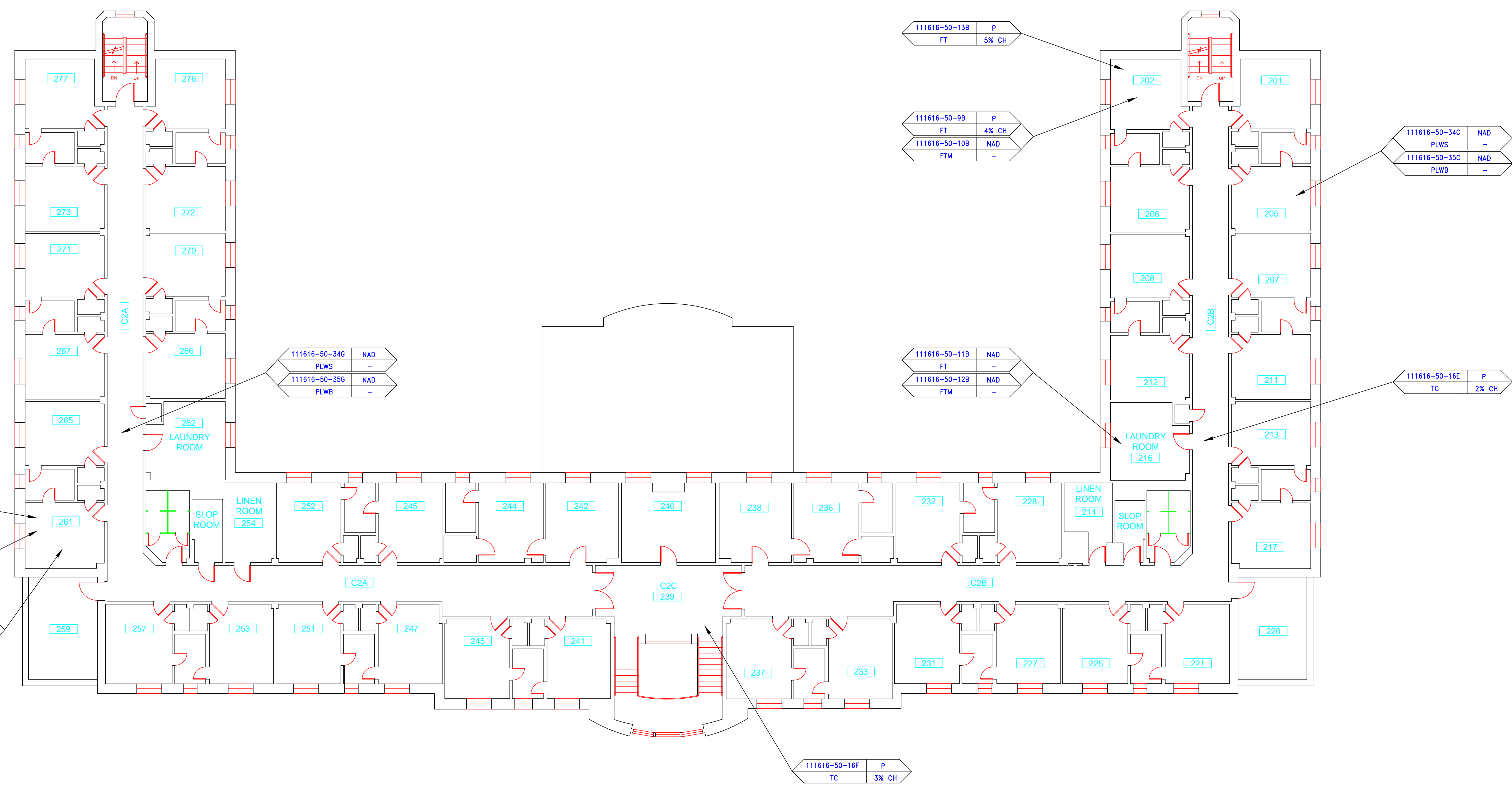
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CCA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CFTG = CERAMIC FLOOR TILE GROUT
- CFMSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECAP = END CAP PACKING
- ECOS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
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	ACM RESILIENT FLOORING ONLY
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	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATIONS SECOND FLOOR PLAN		date: 3/17/17	
REVISIONS		scale: 1/8" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-2A
CAD no.		project no.	2257316087

**ATC**  
ENVIRONMENTAL - GEOTECHNICAL  
ENGINEERING SERVICES - MATERIALS TESTING  
PROJECT

290 Roberts Street, Suite 201  
Rocky Hill, CT 06067-2001  
TEL: 860-261-1111 FAX: 860-261-1112

BUILDING INSPECTION  
VETERANS RECOVERY CENTER  
BUILDING 50  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT

**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

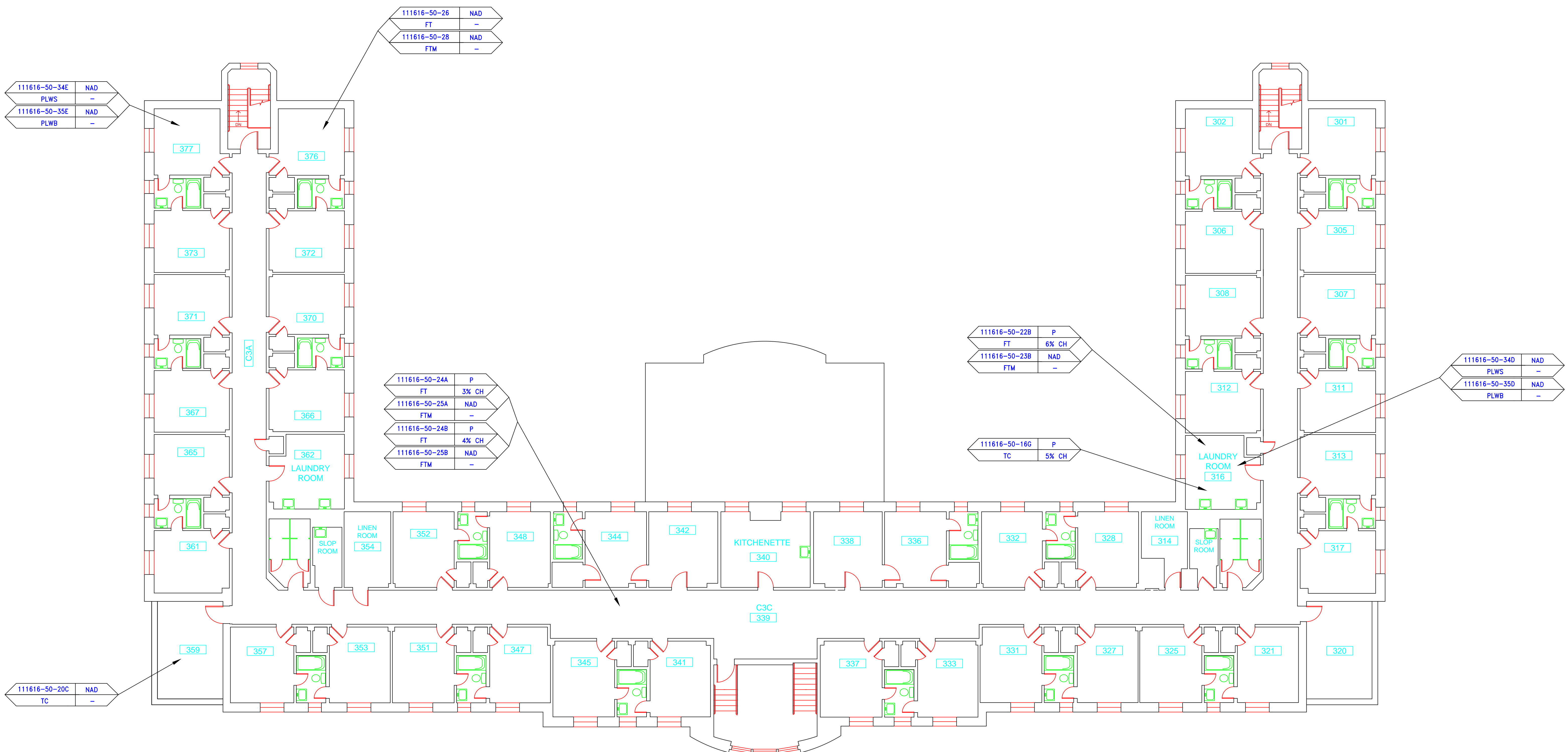
  

AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CC	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
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CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPU
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECF	= END CAP PACKING
ECF	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
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[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
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[Symbol]	ACM JOINT COMPOUND
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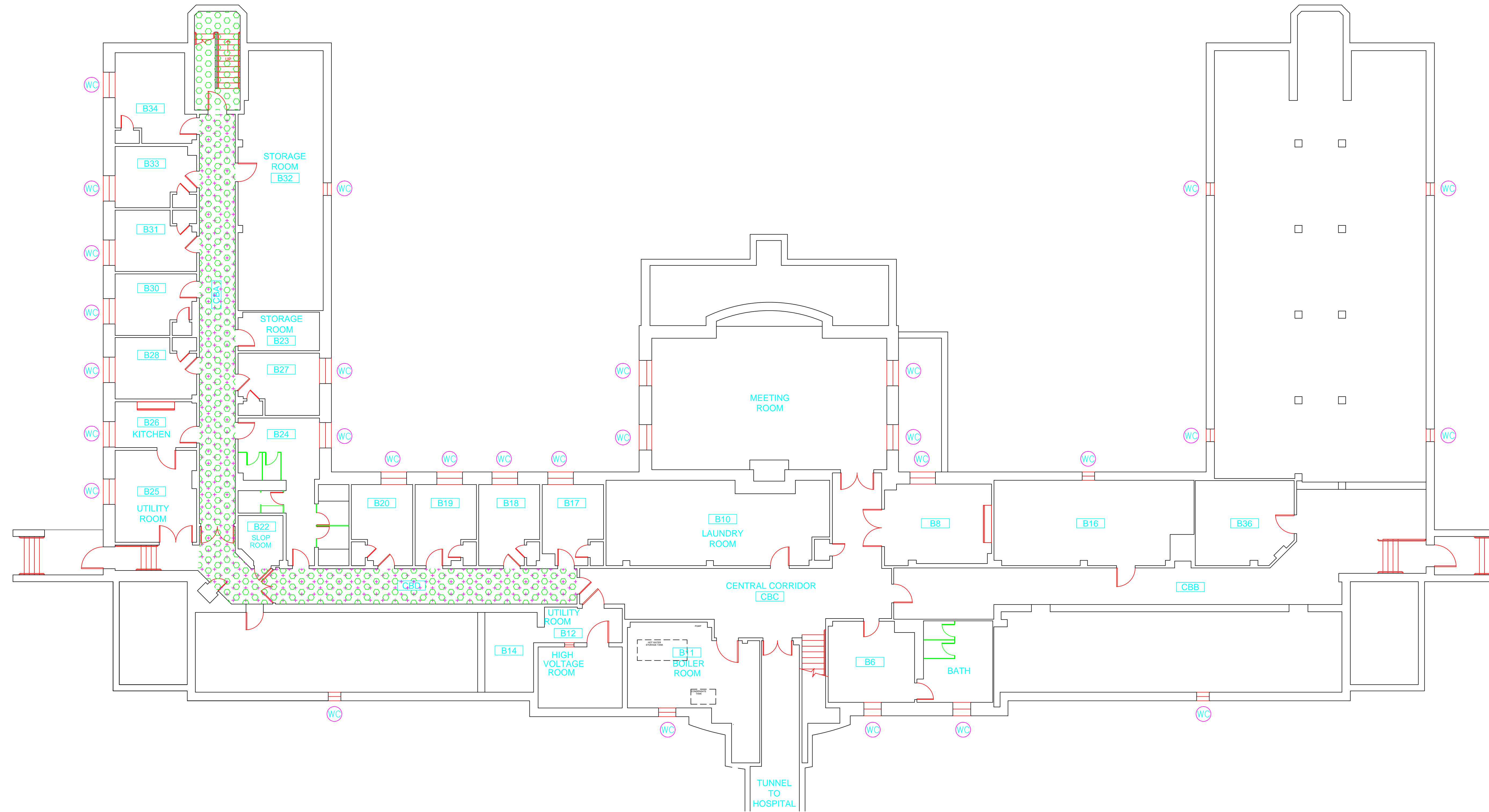
**NOTES**

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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATIONS THIRD FLOOR PLAN		date: 3/17/17	
REVISIONS		scale: 1/8" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-3A
CAD no.		project no.	2257316087





**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

- AM = AMOSITE
- BI = BREECING INSULATION
- CA = CARPET ADHESIVE
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- CBA = COVE BASE ADHESIVE
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SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
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[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
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[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

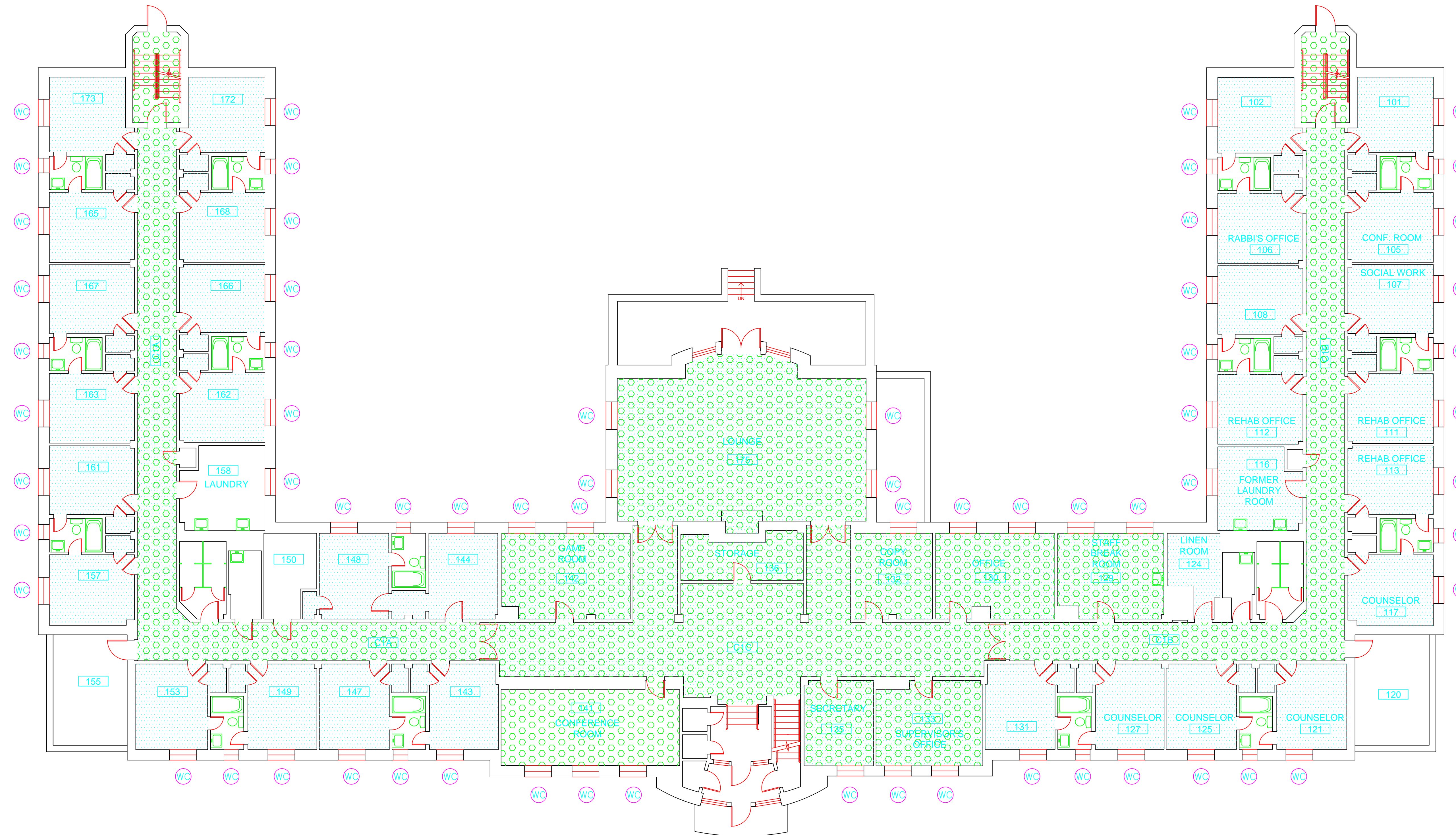
**NOTES**

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- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>ACM LOCATIONS BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		date 3/17/17	
mark	date	description	scale 1/8" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-BB
CAD no.	project no.	2257316087	

**ATC**  
ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SERVICES • MATERIALS TESTING  
290 Roberts Street • 06010  
TEL: 860-261-1100 FAX: 860-261-1101

BUILDING INSPECTION  
VETERANS RECOVERY CENTER  
BUILDING 50  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

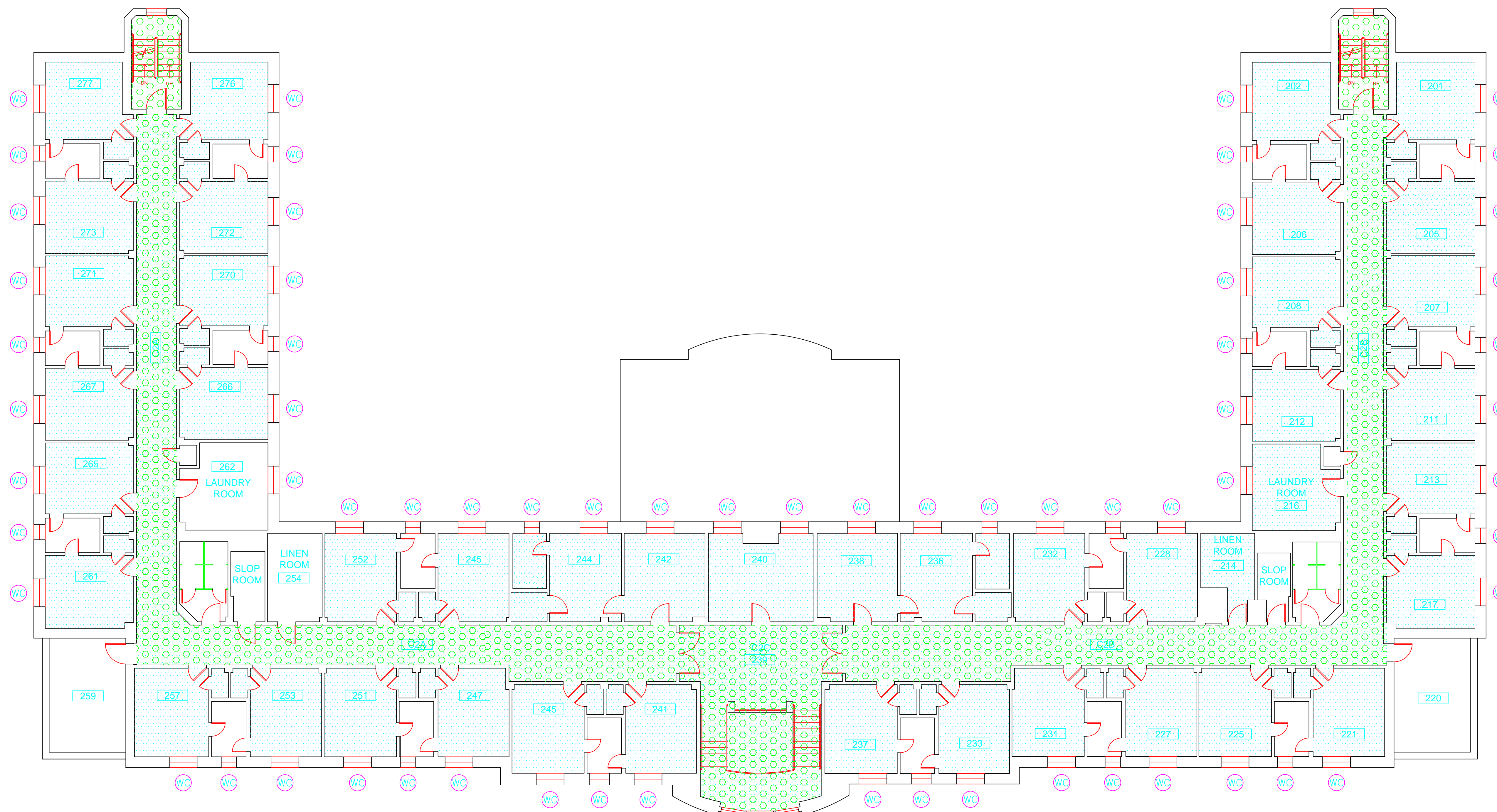
- AM = AMOSITE
- BI = BREECING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
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- CFSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
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- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECF = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
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SYMBOL	MATERIAL DESCRIPTION
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**NOTES**

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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>ACM LOCATIONS FIRST FLOOR PLAN</b>		date: 3/17/17	
REVISIONS		scale: 1/8" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-1B
		project no.: 2257316087	



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

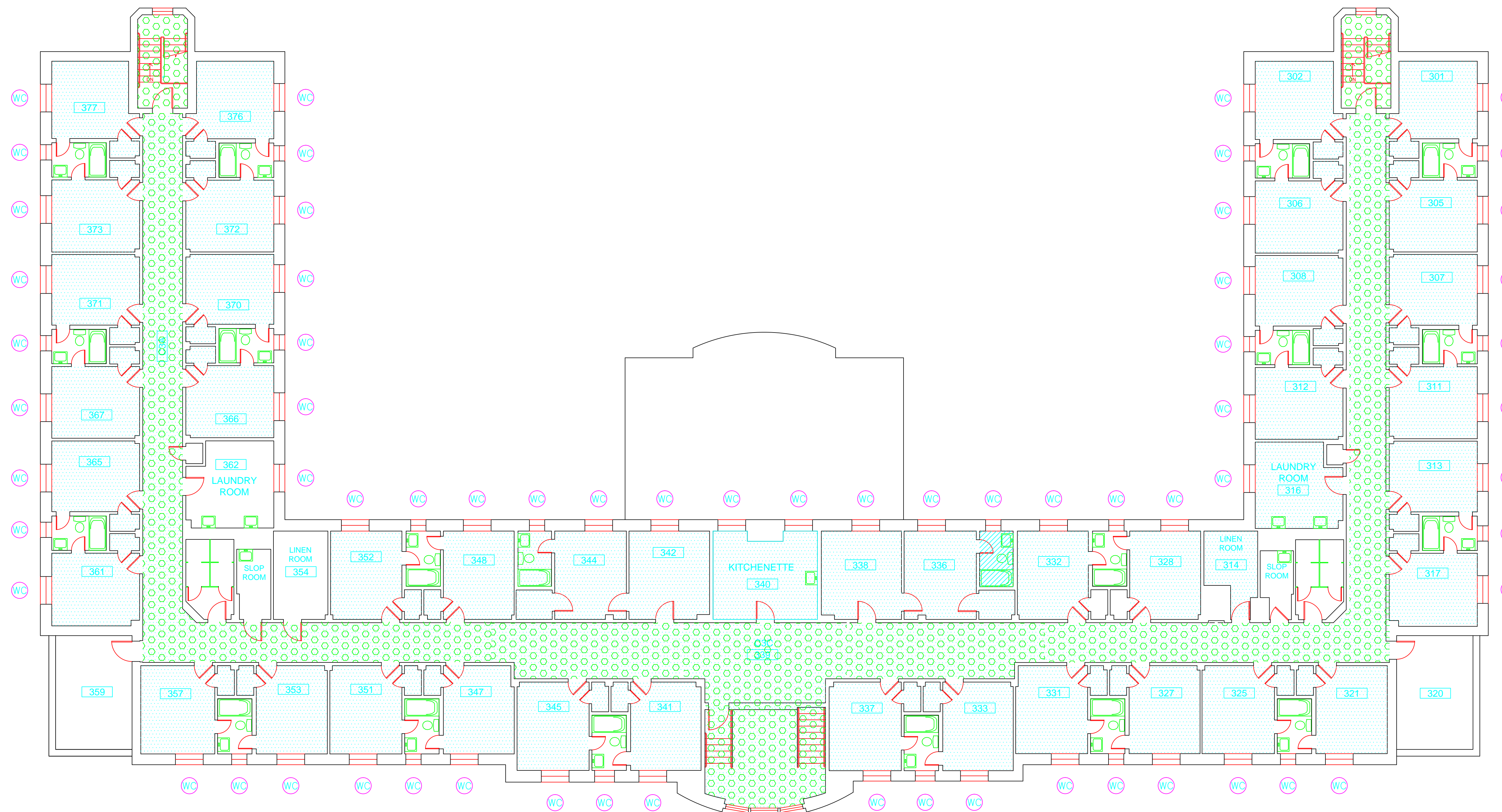
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[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATIONS SECOND FLOOR PLAN		date: 3/17/17	
REVISIONS		scale: 1/8" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-2B
		290 Roberts Street, Suite 201 Rocky Hill, CT 06067-1000 (860) 265-1000	
BUILDING INSPECTION VETERANS RECOVERY CENTER BUILDING 50 STATE VETERANS HOME ROCKY HILL, CONNECTICUT		project no.: 2257316087	



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPU
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECF	= END CAP PACKING
ECF	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WP	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
(Green dotted pattern)	ACM RESILIENT FLOORING AND MASTIC
(Blue dotted pattern)	ACM RESILIENT FLOORING ONLY
(Green diagonal lines)	ACM POURED FLOORING
(Green circles)	ACM CEMENT ASBESTOS (TRANSITE) CEILING
(Green squares)	ACM PLASTER CEILING SKIM COAT
(Green circles with dots)	ACM TEXTURED CEILING COATING
(Blue diagonal lines)	ACM WALL PLASTER
(Green horizontal lines)	ACM GLUE DAUBS
(DC)	ACM DOOR GLAZE
(DC)	ACM DOOR CAULK
(PI)	ACM PIPE INSULATION
(PFI)	ACM PIPE FITTING INSULATION
(DS)	ACM DUCT SEALANT
(WC)	ACM WINDOW CAULK
(MC)	ACM MISCELLANEOUS CAULK
(WE)	ACM WINDOW GLAZING
(SF)	ACM SHEET FLOORING
(M)	ACM MASTIC ONLY
(JC)	ACM JOINT COMPOUND
(DL)	DOUBLE LAYER FLOORING

**NOTES**

- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATIONS THIRD FLOOR PLAN		date: 3/17/17	
REVISIONS		scale: 1/8" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-3B
CAD no.		project no.: 2257316087	

**ATC**  
 ENVIRONMENTAL - GEOTECHNICAL  
 ENGINEERING SERVICES - MATERIALS TESTING  
 PROJECT

290 Roberts Street, Suite 201  
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 Tel: (860) 265-1000 Fax: (860) 265-1001

BUILDING INSPECTION  
 VETERANS RECOVERY CENTER  
 BUILDING 50  
 STATE VETERANS HOME  
 ROCKY HILL, CONNECTICUT





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March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 51  
Apartments  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53408  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Apartments, Building 51, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



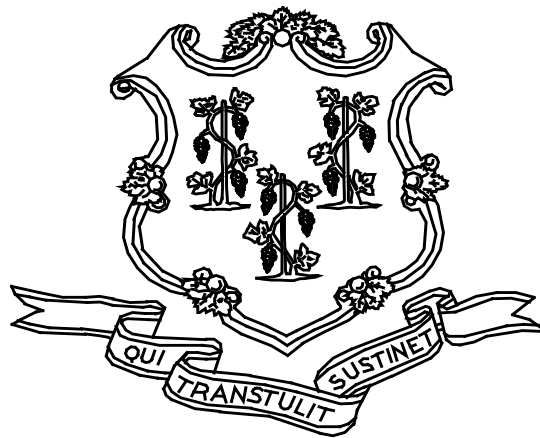
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**APARTMENTS  
BUILDING 51  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53408  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Apartments, Building 51 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Mr. John Coletti and Mr. Wayne Riccitelli on November 22, 2016. Mr. Coletti and Mr. Riccitelli are State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license numbers 000399 and 000536 respectively). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: pipe and pipe fitting insulation, gypsum board, homosote board, floor tile and associated mastic, paper under wood floor, wall and ceiling plaster, ceiling paint, 1' x 1' acoustic ceiling tile and associated glue daubs, 2' x 4' acoustic ceiling tiles, textured ceiling coating, window caulking and glazing, and door caulking.

### 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least

- three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
- (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.
  - (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Brown Glue Daubs for 1' x 1' Ceiling Tiles Dot Pattern (Type II)
- 9" x 9" Brown Floor Tile
- 9" x 9" Green Floor Tile
- Black Boarder Tile
- 12" x 12" Off White Floor Tiles (Unit 1)
- Textured Ceiling Coating (Building 6)
- Pipe Insulation
- Window Glazing
- Old Window Frame Caulking
- Newer Window Caulking

The results of PLM laboratory analysis indicated that the following materials are less than one percent

(<1%) asbestos-containing material (ACM). Those materials that contain less than 1% asbestos, and are as follows:

- Plaster Wall Base Coat
- Mastic for 9" x 9" Brown Floor Tile

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Plaster Wall Skim Coat
- Plaster Ceiling Skim Coat
- Plaster Ceiling Base Coat
- 12" x 12" Off White Floor Tiles (Unit 5)
- Mastic for the 12" x 12" Off White Floor Tiles
- Mastic for 9" x 9" Brown Floor Tiles
- Mastic for 9" x 9" Green Floor Tile
- Mastic for Black Border Tile
- 1' x 1' Ceiling Tile (Type I)
- Brown Glue Daubs to the 1' x 1' Ceiling Tiles (Type I)
- 1' x 1' Ceiling Tile Dotted (Type II)
- 1' x 1' Ceiling Tiles Smooth (Type III)
- Light Brown Glue Daubs to 1' x 1' Ceiling Tiles (III)
- 2' x 4' Suspended Ceiling Tile
- Gypsum Board
- Homosite Board
- Paper Under Wood Floor
- Ceiling Paint (Unit 1)
- Exterior Door Caulk

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include

activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the

building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

## **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**



**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 51 – APARTMENTS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
112216-B51-1A	Unit 2 Above Hatch	Pipe Insulation	8	Chrysotile
112216-B51-1B	Unit 2 Above Hatch	Pipe Insulation	7	Chrysotile
112216-B51-1C	Unit 2 Above Hatch	Pipe Insulation	12	Chrysotile
112216-B51-2A	Unit 1 Garage	Gypsum Board Paneling	ND	
112216-B51-2B	Unit 1 Garage	Gypsum Board Paneling	ND	
112216-B51-3A	Unit 2 Attic	Homosote Board	ND	
112216-B51-3B	Unit 2 Attic	Homosote Board	ND	
112216-B51-4A	Unit 3 Hall	1' x 1' Acoustic Ceiling Tile (Type I)	ND	
112216-B51-4B	Unit 3 Hall	1' x 1' Acoustic Ceiling Tile (Type I)	ND	
112216-B51-5A	Unit 3 Hall	1' x 1' Acoustic Ceiling Tile (Type I) Glue Daubs	ND	
112216-B51-5B	Unit 3 Hall	1' x 1' Acoustic Ceiling Tile (Type I) Glue Daubs	ND	
112216-B51-6A	Unit 1 Kitchen	12" x 12" Off White Floor Tile	2	Chrysotile
112216-B51-6B	Unit 5 Kitchen	12" x 12" Off White Floor Tile	ND	
112216-B51-7A	Unit 1 Kitchen	Black Mastic for 12" x 12" Off White Floor Tile	ND	
112216-B51-7B	Unit 5 Kitchen	Black Mastic for 12" x 12" Off White Floor Tile	ND	
112216-B51-8A	Unit 1	Paper Under Wood Floor	ND	
112216-B51-8B	Unit 1	Paper Under Wood Floor	ND	
112216-B51-9A	Unit 2 Kitchen	Plaster Wall- Skim Coat	ND	
112216-B51-9B	Unit 2 Bedroom	Plaster Wall- Skim Coat	ND	
112216-B51-9C	Unit 3 Living Room	Plaster Wall- Skim Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 51 – APARTMENTS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
112216-B51-9D	Unit 3 Kitchen	Plaster Wall- Skim Coat	ND	
112216-B51-9E	Unit 4 Kitchen	Plaster Wall- Skim Coat	ND	
112216-B51-9F	Unit 4 Bedroom	Plaster Wall- Skim Coat	ND	
112216-B51-9G	Unit 5 Kitchen	Plaster Wall- Skim Coat	ND	
112216-B51-10A	Unit 2 Kitchen	Plaster Wall- Base Coat	ND	
112216-B51-10B	Unit 2 Bedroom	Plaster Wall- Base Coat	ND	
112216-B51-10C	Unit 3 Living Room	Plaster Wall- Base Coat	ND	
112216-B51-10D	Unit 3 Kitchen	Plaster Wall- Base Coat	ND	
112216-B51-10E	Unit 4 Bedroom	Plaster Wall- Base Coat	ND	
112216-B51-10F	Unit 4 Kitchen	Plaster Wall- Base Coat	<1	Chrysotile
112216-B51-10G	Unit 5 Kitchen	Plaster Wall- Base Coat	ND	
112216-B51-11A	Unit 2 Stairs	Plaster Ceiling- Skim Coat	ND	
112216-B51-11B	Unit 3 Living Room	Plaster Ceiling- Skim Coat	ND	
112216-B51-11C	Unit 4 Closet	Plaster Ceiling- Skim Coat	ND	
112216-B51-11D	Unit 5 Bathroom	Plaster Ceiling- Skim Coat	ND	
112216-B51-11E	Unit 5 Front Bedroom	Plaster Ceiling- Skim Coat	ND	
112216-B51-12A	Unit 2 Stairs	Plaster Ceiling- Base Coat	ND	
112216-B51-12B	Unit 3 Living Room	Plaster Ceiling- Base Coat	ND	
112216-B51-12C	Unit 4 Closet	Plaster Ceiling- Base Coat	ND	
112216-B51-12D	Unit 5 Bathroom	Plaster Ceiling- Base Coat	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 51 – APARTMENTS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
112216-B51-12E	Unit 5 Front Bedroom	Plaster Ceiling- Base Coat	ND	
112216-B51-13A	Unit 1 Stairs	Paint on Ceiling	ND	
112216-B51-13B	Unit 1 Stairs	Paint on Ceiling	ND	
112216-B51-14A	Building 6 First Floor Lounge	2' x 4' Acoustic Ceiling Tile	ND	
112216-B51-14B	Building 6 First Floor Lounge	2' x 4' Acoustic Ceiling Tile	ND	
112216-B51-15A	Building 6 Second Floor Hall	1'x 1' Acoustic Ceiling Tile Dotted Pattern (Type II)	ND	
112216-B51-15B	Building 6 Second Floor Hall	1'x 1' Acoustic Ceiling Tile Dotted Pattern (Type II)	ND	
<b>112216-B51-16A</b>	<b>Building 6 Second Floor Hall</b>	<b>1'x 1' Acoustic Ceiling Tile Dotted Pattern (Type II) Glue Daubs</b>	<b>4</b>	<b>Chrysotile</b>
<b>112216-B51-16B</b>	<b>Building 6 Second Floor Hall</b>	<b>1'x 1' Acoustic Ceiling Tile Dotted Pattern (Type II) Glue Daubs</b>	<b>2</b>	<b>Chrysotile</b>
112216-B51-17A	Building 6 First Floor Hallway	1' x 1' Ceiling Tile Smooth Pattern (Type III)	ND	
112216-B51-17B	Building 6 First Floor Hallway	1' x 1' Ceiling Tile Smooth Pattern (Type III)	ND	
112216-B51-18A	Building 6 First Floor Hallway	1' x 1' Ceiling Tile Smooth Pattern (Type III) Glue Daubs	ND	
112216-B51-18B	Building 6 First Floor Hallway	1' x 1' Ceiling Tile Smooth Pattern (Type III) Glue Daubs	ND	
112216-B51-19A	Building 6 First Floor Lounge	12" x 12" Off White Floor Tile	ND	
112216-B51-19B	Building 6 First Floor Lounge	12" x 12" Off White Floor Tile	ND	
112216-B51-20A	Building 6 First Floor Lounge	Black Mastic for 12" x 12" Off White Floor Tile	ND	
112216-B51-20B	Building 6 First Floor Lounge	Black Mastic for 12" x 12" Off White Floor Tile	ND	
<b>112216-B51-21A</b>	<b>Building 6 Room 137</b>	<b>9" x 9" Brown Floor Tile</b>	<b>6</b>	<b>Chrysotile</b>

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 51 – APARTMENTS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
<b>112216-B51-21B</b>	<b>Building 6 Room 141</b>	<b>9” x 9” Brown Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
112216-B51-22A	Building 6 Room 137	Black Mastic for 9” x 9” Brown Floor Tile	<1	Chrysotile
112216-B51-22B	Building 6 Room 141	Black Mastic for 9” x 9” Brown Floor Tile	ND	
<b>112216-B51-23A</b>	<b>Building 6 First Floor Hallway</b>	<b>9” x 9” Green Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
<b>112216-B51-23B</b>	<b>Building 6 Second Floor Stairs</b>	<b>9” x 9” Green Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
112216-B51-24A	Building 6 First Floor Hallway	Black Mastic for 9” x 9” Green Floor Tile	ND	
112216-B51-24B	Building 6 Second Floor Stairs	Black Mastic for 9” x 9” Green Floor Tile	ND	
<b>112216-B51-25A</b>	<b>Building 6 Second Floor Lounge</b>	<b>Black Border Tile</b>	<b>2</b>	<b>Chrysotile</b>
112216-B51-26A	Building 6 Second Floor Lounge	Black Mastic for Black Border Tile	ND	
112216-B51-27A	Building 6 Front Entrance Hallway	Textured Ceiling Paint	ND	
<b>112216-B51-27B</b>	<b>Building 6 Front Entrance Hallway</b>	<b>Textured Ceiling Paint</b>	<b>2</b>	<b>Chrysotile</b>
<b>112216-B51-27C</b>	<b>Building 6 Second Floor Hallway</b>	<b>Textured Ceiling Paint</b>	<b>2</b>	<b>Chrysotile</b>
112216-B51-28	Building 6 Room 141	Plaster Wall Skim Coat	ND	
112216-B51-29	Building 6 Room 141	Plaster Wall Base Coat	ND	
<b>112216-B51-30A</b>	<b>Exterior Unit 3</b>	<b>Window Glazing</b>	<b>2</b>	<b>Chrysotile</b>
<b>112216-B51-30B</b>	<b>Exterior Unit 4</b>	<b>Window Glazing</b>	<b>2</b>	<b>Chrysotile</b>
<b>112216-B51-31A</b>	<b>Exterior</b>	<b>Window Caulking (Older)</b>	<b>7</b>	<b>Chrysotile</b>

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 51 – APARTMENTS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
<b>112216-B51-31B</b>	<b>Exterior</b>	<b>Window Caulking (Older)</b>	<b>6</b>	<b>Chrysotile</b>
<b>112216-B51-32A</b>	<b>Exterior</b>	<b>Window Caulking (Newer)</b>	<b>4</b>	<b>Chrysotile</b>
<b>112216-B51-32B</b>	<b>Exterior</b>	<b>Window Caulking (Newer)</b>	<b>3</b>	<b>Chrysotile</b>
112216-B51-33A	Exterior	Door Caulking	ND	
112216-B51-33B	Exterior	Door Caulking	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

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**EMSL Order:** 031635161

**Customer ID:** ATCE54

**Customer PO:** 2257316087

**Project ID:**

**Attention:** Ed Fennell  
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**Received Date:** 11/25/2016 1:21 PM

**Analysis Date:** 11/27/2016 - 11/28/2016

**Collected Date:** 11/22/2016

**Project:** 2257316087/ CT DCS/ VETERANS HOME ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
112216-B51-1A 031635161-0001	UNIT 2 ABOVE HATCH - PIPE INSULATION	Tan Fibrous Homogeneous	85% Cellulose	7% Non-fibrous (Other)	8% Chrysotile
112216-B51-1B 031635161-0002	UNIT 2 ABOVE HATCH - PIPE INSULATION	Tan Fibrous Homogeneous	85% Cellulose	8% Non-fibrous (Other)	7% Chrysotile
112216-B51-1C 031635161-0003	UNIT 2 ABOVE HATCH - PIPE INSULATION	Gray Non-Fibrous Homogeneous	22% Cellulose	66% Non-fibrous (Other)	12% Chrysotile
112216-B51-2A 031635161-0004	UNIT 1 GARAGE - GYPSUM BOARD PANELING	Brown/White Non-Fibrous Homogeneous	17% Cellulose	55% Gypsum 28% Non-fibrous (Other)	None Detected
112216-B51-2B 031635161-0005	UNIT 1 GARAGE - GYPSUM BOARD PANELING	Gray Non-Fibrous Homogeneous	5% Cellulose	67% Gypsum 28% Non-fibrous (Other)	None Detected
112216-B51-3A 031635161-0006	UNIT 2 ATTIC - HOMOSITE BOARD	Brown/Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
112216-B51-3B 031635161-0007	UNIT 2 ATTIC - HOMOSITE BOARD	Brown Non-Fibrous Homogeneous	88% Cellulose	12% Non-fibrous (Other)	None Detected
112216-B51-4A 031635161-0008	UNIT 3 HALL - 1'X1' CEILING TILES	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
112216-B51-4B 031635161-0009	UNIT 3 HALL - 1'X1' CEILING TILES	Brown Non-Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
112216-B51-5A 031635161-0010	UNIT 3 HALL - BROWN DAUBS TO TILES	Brown Non-Fibrous Homogeneous	5% Cellulose 10% Wollastonite	85% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
112216-B51-5B 031635161-0011	UNIT 3 HALL - BROWN DAUBS TO TILES	Brown Non-Fibrous Homogeneous	3% Fibrous_Other	97% Non-fibrous (Other)	None Detected
112216-B51-6A 031635161-0012	UNIT 1 KITCHEN - 12X12 OFF WHITE FLOOR TILE	Gray/Tan Non-Fibrous Homogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile
112216-B51-6B 031635161-0013	UNIT 5 KITCHEN - 12X12 OFF WHITE FLOOR TILE	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
Sample inhomogenous from 6A. Result confirmed by QC.					
112216-B51-7A 031635161-0014	UNIT 1 KITCHEN	Black Fibrous Heterogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
112216-B51-7B 031635161-0015	UNIT 5 KITCHEN	Black Fibrous Homogeneous	56% Cellulose	44% Non-fibrous (Other)	None Detected
112216-B51-8A 031635161-0016	UNIT 1 - PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
112216-B51-8B 031635161-0017	UNIT 1 - PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
112216-B51-9A 031635161-0018	UNIT 2 KITCHEN - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
112216-B51-9B 031635161-0019	UNIT 2 BEDROOM - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		55% Ca Carbonate 4% Mica 41% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
112216-B51-9C 031635161-0020	UNIT 3 LIVING ROOM - WALL PLASTER SKIM	White/Green Non-Fibrous Heterogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
112216-B51-9D 031635161-0021	UNIT 3 KITCHEN - WALL PLASTER SKIM	White/Pink Non-Fibrous Heterogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
112216-B51-9E 031635161-0022	UNIT 4 KITCHEN - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
112216-B51-9F 031635161-0023	UNIT 4 BEDROOM - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
112216-B51-9G 031635161-0024	UNIT 5 KITCHEN - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
112216-B51-10A 031635161-0025	UNIT 2 KITCHEN - WALL PLASTER BASE	Brown Non-Fibrous Homogeneous	1% Hair	45% Quartz 10% Ca Carbonate 44% Non-fibrous (Other)	None Detected
112216-B51-10B 031635161-0026	UNIT 2 BEDROOM - WALL PLASTER BASE	Brown Non-Fibrous Homogeneous	2% Hair	52% Quartz 46% Non-fibrous (Other)	None Detected
112216-B51-10C 031635161-0027	UNIT 3 LIVING ROOM - WALL PLASTER BASE	Brown Non-Fibrous Homogeneous	1% Cellulose	63% Quartz 36% Non-fibrous (Other)	None Detected
112216-B51-10D 031635161-0028	UNIT 3 KITCHEN - WALL PLASTER BASE	Brown Non-Fibrous Homogeneous	2% Hair	62% Quartz 2% Mica 34% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
112216-B51-10E 031635161-0029	UNIT 4 BEDROOM - WALL PLASTER BASE	Brown Non-Fibrous Homogeneous	3% Hair	54% Quartz 2% Mica 41% Non-fibrous (Other)	None Detected
112216-B51-10F 031635161-0030	UNIT 4 KITCHEN - WALL PLASTER BASE	Tan Non-Fibrous Homogeneous	4% Cellulose 2% Hair	35% Quartz 15% Ca Carbonate 44% Non-fibrous (Other)	<1% Chrysotile
The sample group is not homogeneous					
112216-B51-10G 031635161-0031	UNIT 5 KITCHEN - WALL PLASTER BASE	Brown Non-Fibrous Homogeneous	3% Cellulose	34% Quartz 23% Gypsum 40% Non-fibrous (Other)	None Detected
112216-B51-11A 031635161-0032	UNIT 2 STAIRS - CEILING PLASTER SKIM	Tan/White Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
112216-B51-11B 031635161-0033	UNIT 3 LIVING ROOM - CEILING PLASTER SKIM	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
112216-B51-11C 031635161-0034	UNIT 4 CLOSET - CEILING PLASTER SKIM	White Non-Fibrous Heterogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
112216-B51-11D 031635161-0035	UNIT 5 BATH - CEILING PLASTER SKIM	White Non-Fibrous Heterogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
112216-B51-11E 031635161-0036	UNIT 5 FRONT BED - CEILING PLASTER SKIM	White Non-Fibrous Homogeneous		44% Ca Carbonate 18% Gypsum 38% Non-fibrous (Other)	None Detected
112216-B51-12A 031635161-0037	UNIT 2 STAIRS - CEILING PLASTER BASE	Gray/Tan Non-Fibrous Heterogeneous	1% Cellulose	20% Quartz 30% Gypsum 10% Perlite 39% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
112216-B51-12B 031635161-0038	UNIT 3 LIVING - CEILING PLASTER BASE	Tan Non-Fibrous Homogeneous	2% Cellulose	65% Quartz 1% Mica 32% Non-fibrous (Other)	None Detected
112216-B51-12C 031635161-0039	UNIT 4 CLOSET - CEILING PLASTER BASE	Tan Non-Fibrous Homogeneous	2% Cellulose	49% Quartz 10% Gypsum 39% Non-fibrous (Other)	None Detected
112216-B51-12D 031635161-0040	UNIT 5 BATH - CEILING PLASTER BASE	Brown Non-Fibrous Homogeneous	2% Cellulose	50% Quartz 15% Gypsum 33% Non-fibrous (Other)	None Detected
112216-B51-12E 031635161-0041	UNIT 5 FRONT BED - CEILING PLASTER BASE	Brown Non-Fibrous Homogeneous	3% Cellulose	22% Quartz 44% Gypsum 31% Non-fibrous (Other)	None Detected
112216-B51-13A 031635161-0042	UNIT 1 STAIRS - PAINT ON CEILING	White Non-Fibrous Homogeneous	15% Wollastonite	20% Ca Carbonate 65% Non-fibrous (Other)	None Detected
112216-B51-13B 031635161-0043	UNIT 1 STAIRS - PAINT ON CEILING	White Non-Fibrous Homogeneous	5% Wollastonite	38% Ca Carbonate 57% Non-fibrous (Other)	None Detected
112216-B51-14A 031635161-0044	BUILD 6 FIRST FLOOR LOUNGE - 2'X4' CEILING TILE	Brown/White Fibrous Homogeneous	58% Cellulose 14% MinWool	15% Perlite 13% Non-fibrous (Other)	None Detected
112216-B51-14B 031635161-0045	BUILD 6 FIRST FLOOR LOUNGE - 2'X4' CEILING TILE	Brown Fibrous Homogeneous	40% Cellulose 28% MinWool	22% Perlite 10% Non-fibrous (Other)	None Detected
112216-B51-15A 031635161-0046	BUILD 6 SECOND FLOOR HALL - 1'X1' CEILING TILE DOTTED (TYPE I)	Brown/White Fibrous Homogeneous	92% Cellulose	8% Non-fibrous (Other)	None Detected
112216-B51-15B 031635161-0047	BUILD 6 SECOND FLOOR HALL - 1'X1' CEILING TILE DOTTED (TYPE I)	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
112216-B51-16A 031635161-0048	BUILD 6 SECOND FLOOR HALL - BROWN GLUE DAUBS TO 1'X1' TILE (TYPE I)	Brown Non-Fibrous Homogeneous	10% Cellulose	86% Non-fibrous (Other)	4% Chrysotile
112216-B51-16B 031635161-0049	BUILD 6 SECOND FLOOR HALL - BROWN GLUE DAUBS TO 1'X1' TILE (TYPE I)	Brown Non-Fibrous Homogeneous	5% Cellulose	93% Non-fibrous (Other)	2% Chrysotile
112216-B51-17A 031635161-0050	BUILD 6 FIRST FLOOR HALL - 1X1 CEILING TILE SMOOTH TYPE 2	Brown/White Fibrous Homogeneous	30% Cellulose 47% MinWool	23% Non-fibrous (Other)	None Detected
112216-B51-17B 031635161-0051	BUILD 6 FIRST FLOOR HALL - 1X1 CEILING TILE SMOOTH TYPE 2	Brown Non-Fibrous Homogeneous	36% Cellulose 23% MinWool	41% Non-fibrous (Other)	None Detected
112216-B51-18A 031635161-0052	BUILD 6 FIRST FLOOR HALL - LIGHT BROWN DAUBS TO CEILING TILES	Brown Non-Fibrous Homogeneous	3% Cellulose 2% MinWool	95% Non-fibrous (Other)	None Detected
112216-B51-18B 031635161-0053	BUILD 6 FIRST FLOOR HALL - LIGHT BROWN DAUBS TO CEILING TILES	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
112216-B51-19A 031635161-0054	BUILD 6 FIRST FLOOR LOUNGE - 12X12 OFF WHITE FLOOR TILE	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
112216-B51-19B 031635161-0055	BUILD 6 FIRST FLOOR LOUNGE - 12X12 OFF WHITE FLOOR TILE	Gray Non-Fibrous Homogeneous		12% Quartz 88% Non-fibrous (Other)	None Detected
112216-B51-20A 031635161-0056	BUILD 6 FIRST FLOOR LOUNGE - MASTIC TO THE TILES BLACK	Black Non-Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (Other)	None Detected
112216-B51-20B 031635161-0057	BUILD 6 FIRST FLOOR LOUNGE - MASTIC TO THE TILES BLACK	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
112216-B51-21A 031635161-0058	BUILD 6 ROOM 137 - 9'X9" BROWN FLOOR TILE	Brown Non-Fibrous Homogeneous		20% Ca Carbonate 74% Non-fibrous (Other)	6% Chrysotile
112216-B51-21B 031635161-0059	BUILD 6 ROOM 141 - 9'X9" BROWN FLOOR TILE	Brown Non-Fibrous Homogeneous		12% Quartz 83% Non-fibrous (Other)	5% Chrysotile
112216-B51-22A 031635161-0060	BUILD 6 ROOM 137 - MASTIC TO THE BROWN FLOOR	Black Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	<1% Chrysotile
112216-B51-22B 031635161-0061	BUILD 6 ROOM 141 - MASTIC TO THE BROWN FLOOR	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
112216-B51-23A 031635161-0062	BUILD 6 1ST FLOOR HALL - 9X9 GREEN FLOOR TILE	Green Non-Fibrous Homogeneous		15% Ca Carbonate 80% Non-fibrous (Other)	5% Chrysotile
112216-B51-23B 031635161-0063	BUILD 6 2ND FLOOR STAIRS - 9X9 GREEN FLOOR TILE	Green Non-Fibrous Homogeneous		15% Quartz 80% Non-fibrous (Other)	5% Chrysotile
112216-B51-24A 031635161-0064	BUILD 6 1ST FLOOR HALL - MASTIC TO GREEN 9X9	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
112216-B51-24B 031635161-0065	BUILD 6 2ND FLOOR STAIRS - MASTIC TO GREEN 9X9	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
112216-B51-25A 031635161-0066	BUILD 6 FLOOR 2 LOUNGE - BLACK BORDER TILE	Black Non-Fibrous Homogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
112216-B51-26A 031635161-0067	BUILD 6 FLOOR 2 LOUNGE - MASTIC	Black Non-Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/28/2016 06:25:44



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031635161

**Customer ID:** ATCE54

**Customer PO:** 2257316087

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 11/25/2016 1:21 PM

**Analysis Date:** 11/27/2016 - 11/28/2016

**Collected Date:** 11/22/2016

**Project:** 2257316087/ CT DCS/ VETERANS HOME ROCKY HILL CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
112216-B51-27A 031635161-0068	BUILD 6 FRONT EWT HALL - TEXTURED CEILING	Tan/White Non-Fibrous Homogeneous	5% Cellulose	35% Ca Carbonate 20% Perlite 40% Non-fibrous (Other)	None Detected
112216-B51-27B 031635161-0069	BUILD 6 FRONT EWT HALL - TEXTURED CEILING	Tan/White Non-Fibrous Heterogeneous	8% Cellulose	35% Ca Carbonate 25% Perlite 30% Non-fibrous (Other)	2% Chrysotile
The sample group is not homogeneous					
112216-B51-27C 031635161-0070	BUILD 6 SECOND FLOOR HALL - TEXTURED CEILING	White Non-Fibrous Homogeneous		32% Ca Carbonate 66% Non-fibrous (Other)	2% Chrysotile
112216-B51-28 031635161-0071	BUILD 6 ROOM 141 - PLASTER SKIM	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
112216-B51-29 031635161-0072	BUILD 6 ROOM 141 - PLASTER BASE	Brown/Tan Non-Fibrous Homogeneous	3% Cellulose	35% Quartz 22% Perlite 40% Non-fibrous (Other)	None Detected
112216-B51-30A 031635161-0073	EXTERIOR UNIT 3 - WINDOW GLAZING	Tan/White Non-Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	2% Chrysotile
112216-B51-30B 031635161-0074	EXTERIOR UNIT 4 - WINDOW GLAZING	Gray Non-Fibrous Homogeneous		33% Ca Carbonate 65% Non-fibrous (Other)	2% Chrysotile
112216-B51-31A 031635161-0075	EXTERIOR - OLD WINDOW FRAME CAULK	Brown/Green Non-Fibrous Heterogeneous		30% Ca Carbonate 63% Non-fibrous (Other)	7% Chrysotile
Inseparable paint / coating layer included in analysis					
112216-B51-31B 031635161-0076	EXTERIOR - OLD WINDOW FRAME CAULK	Brown/Tan Non-Fibrous Homogeneous		40% Ca Carbonate 54% Non-fibrous (Other)	6% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/28/2016 06:25:44



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031635161
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 2257316087
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 11/25/2016 1:21 PM <b>Analysis Date:</b> 11/27/2016 - 11/28/2016 <b>Collected Date:</b> 11/22/2016
<b>Project:</b> 2257316087/ CT DCS/ VETERANS HOME ROCKY HILL CT	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
112216-B51-32A 031635161-0077	EXTERIOR - NEWER WINDOW CAULK	Tan/White Non-Fibrous Heterogeneous		25% Ca Carbonate 71% Non-fibrous (Other)	4% Chrysotile
112216-B51-32B 031635161-0078	EXTERIOR - NEWER WINDOW CAULK	Gray Non-Fibrous Homogeneous		34% Ca Carbonate 63% Non-fibrous (Other)	3% Chrysotile
112216-B51-33A 031635161-0079	EXTERIOR - DOOR CAULK	Brown/White Non-Fibrous Heterogeneous		28% Quartz 30% Ca Carbonate 42% Non-fibrous (Other)	None Detected
112216-B51-33B 031635161-0080	EXTERIOR - DOOR CAULK	Gray/Tan Non-Fibrous Homogeneous		15% Quartz 22% Ca Carbonate 63% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/28/2016 06:25:44



**EMSL Analytical, Inc.**

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031635161  
**Customer ID:** ATCE54  
**Customer PO:** 2257316087  
**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CT DCS/ VETERANS HOME ROCKY HILL CT

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 11/25/2016 1:21 PM  
**Analysis Date:** 11/27/2016 - 11/28/2016  
**Collected Date:** 11/22/2016


The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**


Sample Receipt Date: 11/25/2016      Sample Receipt Time: 1:21 PM  
Analysis Completed Date: 11/28/2016      Analysis Completed Time: 2:18 AM

**Analyst(s):**

  
\_\_\_\_\_  
Deen Liang PLM (28)

  
\_\_\_\_\_  
Jon Williams PLM (52)

**Samples Reviewed and approved by:**

  
\_\_\_\_\_  
James Hall, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/28/2016 06:25:44



031635161

Page 1 of 6

# BULK SAMPLE LOG



Shaping the Future

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: JOHN COLETTI Client Name: CT DCS

Accreditation No.: 000399 Project No./Task No.: 2257316087

Survey Date: 11/22/16 Project Manager: EP FENNEL

Signature: [Signature] Requested Completion Date: 11/28/16 (80)

Lab Name: FMS Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR (3DY) 5DY No. Samples Collected: 80

Building: B51 APARTMENTS Address: VETERANS HOME ROCKY HILL CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
<u>UNIT 2 ABOVE HAISH</u>	<u>PIPE INSULATION</u>	<u>TSI</u>	<u>10 LF</u> <u>VISIBLE</u>	<u>Y</u>	<u>ND</u>		<u>112216-B51-1A</u>
<u>UNIT 1 GARAGE</u>	<u>GYPSUM BOARD</u>	<u>MISC</u>	<u>800 SF</u>	<u>N</u>	<u>D</u>		<u>112216-B51-1B</u>
<u>UNIT 2 ATTIC</u>	<u>HOMOSITE BOARD</u>	<u>MISC</u>	<u>1500 SF</u>	<u>N</u>	<u>ND</u>		<u>112216-B51-1C</u>
<u>UNIT 3 HALL</u>	<u>1'x1' CEILING TILES</u>	<u>MISC</u>	<u>525K</u>	<u>Y</u>	<u>ND</u>		<u>112216-B51-1D</u>
<u>UNIT 3 HALL</u>	<u>BROWN GAUBS TO TILES</u>	<u>MISC</u>	<u>525K</u>	<u>N</u>	<u>ND</u>		<u>112216-B51-1E</u>
<u>UNIT 1 KITCHEN 5 ↓</u>	<u>12x12 OFF WHITE FLOOR TILE</u>	<u>MISC</u>	<u>275 SF</u>	<u>N</u>	<u>ND</u>		<u>112216-B51-1F</u>
<u>UNIT 1 KITCHEN 5 ↓</u>	<u>FLOOR TILE</u>	<u>MISC</u>	<u>275 SF</u>	<u>N</u>	<u>ND</u>		<u>112216-B51-1G</u>
<u>UNIT 1 KITCHEN 5 ↓</u>	<u>FLOOR TILE</u>	<u>MISC</u>	<u>275 SF</u>	<u>N</u>	<u>ND</u>		<u>112216-B51-1H</u>
<u>UNIT 1 KITCHEN 5 ↓</u>	<u>FLOOR TILE</u>	<u>MISC</u>	<u>275 SF</u>	<u>N</u>	<u>ND</u>		<u>112216-B51-1I</u>

16 NOV 25 PM 1:21

15

### Comments:

Notes  
Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type)

Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)

Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)

Friability (yes-no: hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: JOHN COLETTI 11/23/16 Received By/Date: [Signature] 11/25/16 1:21 PM

Relinquished By/Date: [Signature] 11/27/16 1 PM Received By/Date: [Signature]

OL 11/28/16 2:30 AM

# BULK SAMPLE LOG



Shaping the Future

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: JOHN COLETTI		Client Name: CT DES					
Accreditation No.: 000399		Project No./Task No.: 2257316087					
Survey Date: 11/22/16		Project Manager: EP FENNEL					
Signature: [Signature]		Requested Completion Date: 11/28/16					
Lab Name: FMS		No. Samples Collected: 80					
Requested turnaround time (circle): 3 HR		24 HR					
Requested 6 HR		48 HR					
Requested 3 DY		5 DY					
Building: B51 APARTMENTS		Address: VETERANS HOME ROCKY HILL CT					
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_homogeneous material	Field Number
UNIT 1	PAPER UNDER WOOD FLOOR	MISC	5,000 SF	N	NO		112216-B51-8A
UNIT 2 KITCHEN	WALL PLASTER (SKIM)	SURF	3,000 SF	Y	NO		9A
UNIT 2 DEBROOM							9B
UNIT 3 LIVING							9C
UNIT 3 KITCHEN							9D
UNIT 4 KITCHEN							9E
UNIT 4 DEBROOM							EMSC
UNIT 5 KITCHEN							10A
UNIT 2 KITCHEN	WALL PLASTER BASE	SURF	3,000 SF	Y	NO		10B
UNIT 2 DEBROOM							10C
UNIT 3 LIVING							10D
UNIT 3 KITCHEN							10E
UNIT 4 DEBROOM							10F
UNIT 4 KITCHEN							10G
UNIT 5 KITCHEN							10H

16 NOV 25 PM 1:21

Comments:

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)  
 Friability (yes-no: hard-mod-soft surface)  
 Barriers (perm airtight-moderate-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: JOHN COLETTI 11/23/16  
 Received By/Date: [Signature] 11/25/16 1:21 PM  
 Relinquished By/Date: [Signature] 11/27/16  
 Received By/Date: [Signature] 11/27/16

031635161

Page 3 of 4



# BULK SAMPLE LOG

Shaping the Future

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <b>JOHN COLETTI</b>		Client Name: <b>CT DCS</b>					
Accreditation No.: <b>000399</b>		Project No./Task No.: <b>2257316087</b>					
Survey Date: <b>11/22/16</b>		Project Manager: <b>EP FENNEL</b>					
Signature: <i>[Signature]</i>		Requested Completion Date: <b>11/28/16</b>					
Lab Name: <b>FMS</b>		Requested turnaround time (circle): <b>3 HR</b> 6 HR 24 HR 48 HR <b>3 DY</b> 5 DY					
Building: <b>B51 APARTMENTS</b>		Address: <b>VETERANS HOME ROCKY HILL CT</b>					
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
UNIT 2 STAIRS	CEILING PLASTER	SURF	4400SF	Y	ND		112216-B51-11A
UNIT 3 LIVING	↓ SKIMI	↓	↓	↓	↓		112216-B51-11B
UNIT 4 CLOSET							EMSD
UNIT 5 BATH							RESERVED
UNIT 5 FRONT DEO							RESERVED
UNIT 2 STAIRS	CEILING PLASTER	SURF	4400 SF	Y	ND		112216-B51-11C
UNIT 3 LIVING	↓ BASE	↓	↓	↓	↓		112216-B51-11D
UNIT 7 CLOSET							112216-B51-11E
UNIT 5 BATH							112216-B51-11F
UNIT 5 FRONT DEO							112216-B51-11G
UNIT 1 SEAN	PAINT ON CEILING	MISC	1605F	N	ND		112216-B51-11H
BUILDING FLOOR COUNSEL	2x4 CEILING TILE	MISC	4005F	Y	ND		112216-B51-11I
BUILDING SECOND FLOOR HALL	1x1 CEILING TILE	MISC	3305F	Y	P		112216-B51-11J
	DOTTED (TYPE I)						112216-B51-11K

16 NOV 25 PM 1:21

Comments:

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type)

Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)

Deterioration (heavy-moderate-light-none) Vibration (gym-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)

Friability (yes-no: hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: **JOHN COLETTI** 11/22/16 Received By/Date: **[Signature]** 11/27/16

Relinquished By/Date: **[Signature]** 11/28/16 Received By/Date: **[Signature]** 11/27/16

031635161

Page 4 of 6

# BULK SAMPLE LOG



Shaping the Future

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: JOHN COLETTI		Client Name: CT DCS					
Accreditation No.: 000399		Project No./Task No.: 2257316087					
Survey Date: 11/22/16		Project Manager: EP FENNEL					
Signature: [Signature]		Requested Completion Date: 11/28/16					
Lab Name: EMS		Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY					
Building: B51 APARTMENTS		Address: VETERANS HOME ROCKY HILL CT					
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_homogeneous material	Field Number
BUILD SECOND FLOOR HALL	BROWN GLUE PAINT TO 1' CEILING TILE	Misc	370 SF	N	D		112216-B51-16A
BUILD FIRST FLOOR HALL	1x1 CEILING TILE	Misc	425 SF	Y	ND		160
BUILD FIRST FLOOR LOUNGE	SMOOTH TYPED LIGHT BROWN PAINT TO CEILING TILES	Misc	1	N	-		170
BUILD FIRST FLOOR LOUNGE	12x12 OFF WHITE FLOOR TILE MASTIC TO THE TILES BLACK	Misc	400 SF	N	ND		180
ROOM 137	9x9" BROWN FLOOR TILE	Misc	1	N	ND		190
ROOM 141	MASTIC TO THE TILES		2400 SF	N	ND		200
ROOM 137	MASTIC TO THE TILES		1	N	-		210
ROOM 141	9x9 BROWN FLOOR TILE		750 SF	N	ND		220
1st FLOOR HALL	9x9 GREEN FLOOR TILE			N	ND		230
2nd FLOOR STAIRS				N	ND		230

Comments: (16)

Notes: Friability (yes-no; hard-mod-soft surface)  
 Damage Factors: Barriers (perm airtight-enclosed-encapsulated)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: JOHN COLETTI 11/22/16 Received By/Date: [Signature] 11/25/16 1:21 PM

Relinquished By/Date: DC 11/28/16 239m

[Signature] 11/27/16 1P

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031635161

# BULK SAMPLE LOG



Shaping the Future

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: JOHN COLETTI		Client Name: CT DCS					
Accreditation No.: 000399		Project No./Task No.: 2257316087					
Survey Date: 11/22/16		Project Manager: EP FENNEL					
Signature: [Signature]		Requested Completion Date: 11/28/16					
Lab Name: EMS		No. Samples Collected: 50					
Requested turnaround time (circle): 3 HR		48 HR					
Building: BSI APARTMENTS		Address: VETERANS HOME ROCKY HILL CT					
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
1 <sup>st</sup> FLOOR HALL	MASTIC TO	MISC	79.5 SF	N	ND		112216-BSI-24A
2 <sup>nd</sup> FLOOR STAIR	GREEN 9x9	MISC	90 SF	N	ND		112216-BSI-24B
FLOOR 2 LOUNGE	BLACK BORDER TILE	MISC	79.5 SF	N	ND		112216-BSI-24C
FRONT ENT HALL	MASTIC	MISC	79.5 SF	Y	ND		112216-BSI-24D
3 <sup>rd</sup> FLOOR HALL	TEXTURED CEILING	MISC	79.5 SF	Y	ND		112216-BSI-24E
ROOM 141	PLASTER JKIM	MISC	3200 SF	Y	D		112216-BSI-24F
EXTENSION 1 UNIT	PLASTER BASE	MISC	20 EA	N	ND		112216-BSI-24G
EXTENP	WINDOW GLAZING	MISC	15 EA	N	ND		112216-BSI-24H
EXTENP	OLD WINDOW FRAME CAULK	MISC	95 EA	N	ND		112216-BSI-24I
EXTENP	NEWER WINDOW CAULK	MISC	95 EA	N	ND		112216-BSI-24J

Comments: (D)

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft, 1-6ft, >6ft) Ventilation (yes-no, if yes, type)

Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not-reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)

Deterioration (heavy-moderate-light-none) Vibration (gym-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)

Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) texture (rough-pitted-moderate-smooth)

Relinquished By/Date: JOHN COLETTI 11/28/16 Received By/Date: [Signature] 11/27/16

Relinquished By/Date: [Signature] 11/28/16 Received By/Date: [Signature] 11/27/16



**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

**Lookup Detail View**

**Name**

<b>Name</b>
JOHN A COLETTI

**License Information**

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	399	06/30/2017	11/30/1999	John Coletti	ACTIVE	None

Generated on: 7/11/2016 2:33:44 PM



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**John Coletti**

*has successfully completed the*  
**4 Hour Asbestos Site Inspector Refresher Training**  
**Asbestos Accreditation Under TSCA Title II**  
**40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC**  
**73 William Franks Drive**  
**West Springfield, MA 01089**  
**(413) 781-0070**



*Principal Instructor: Thomas Dion*

*September 15, 2016*

*Date of Course*

*September 15, 2017*

*Expiration Date*



*Regional Training Manager: Gregory Morsch*

*SIAR - 5521*

*Certificate Number*

*September 15, 2016*

*Examination Date*

1003666 01 AT 0.396 \*\*AUTO T2 0 1464 06473-371053 -C01-P03871-1



WAYNE T. RICCITELLI  
53A MANOR DR  
NORTH HAVEN CT 06473-3710



Dear WAYNE T. RICCITELLI,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 509-7603  
opl.c.dph@ct.gov  
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY  
STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
WAYNE T. RICCITELLI

VALIDATION NO. 03-548026      CERTIFICATE NO. 000536      CURRENT THROUGH 10/31/17

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE      COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
ASBESTOS CONSULTANT-INSPECTOR

WAYNE T. RICCITELLI

CERTIFICATE NO. 000536  
CURRENT THROUGH 10/31/17  
VALIDATION NO. 03-548026

SIGNATURE      COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

WALLET CARD  
STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
WAYNE T. RICCITELLI

VALIDATION NO. 03-548026      CERTIFICATE NO. 000536      CURRENT THROUGH 10/31/17

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE      COMMISSIONER

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Wayne Riccitelli**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: *Gregory Morsch*

*May 19, 2016*

Date of Course

*May 19, 2017*

Expiration Date

*Gregory Morsch*

Regional Training Manager: *Gregory Morsch*

SLAR-5466

Certificate Number

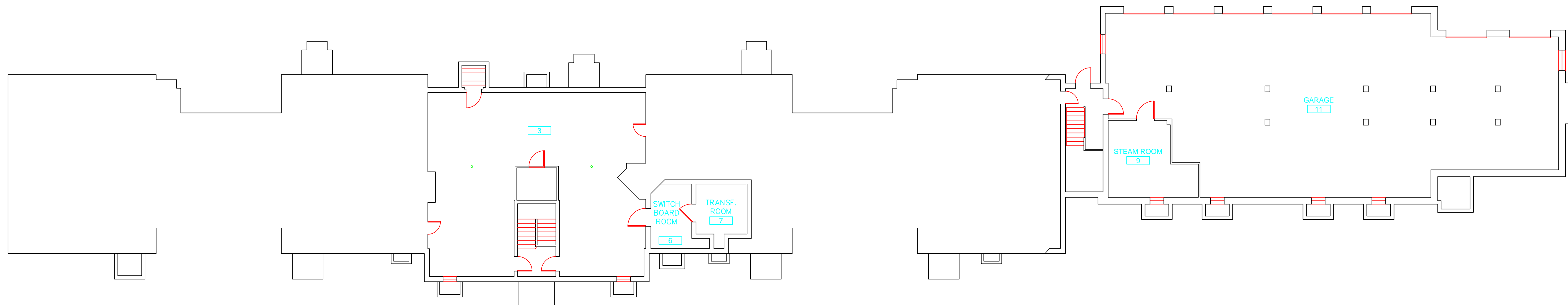
*May 19, 2016*

Examination Date

**APPENDIX B**  
**DRAWINGS**



SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
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CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
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ECP	= END CAP PACKING
ECB	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
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FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
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NA	= NOT ANALYZED
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NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
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PW	= PIPE WRAP
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TC	= TEXTURED COATING
TR	= TRACE
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WC	= WINDOW CAULKING
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SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
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(DC)	ACM DOOR CAULK
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(PFI)	ACM PIPE FITTING INSULATION
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(WC)	ACM WINDOW CAULK
(MC)	ACM MISCELLANEOUS CAULK
(WE)	ACM WINDOW GLAZING
(SF)	ACM SHEET FLOORING
(M)	ACM MASTIC ONLY
(JC)	ACM JOINT COMPOUND
(DL)	DOUBLE LAYER FLOORING

**NOTES**  
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 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

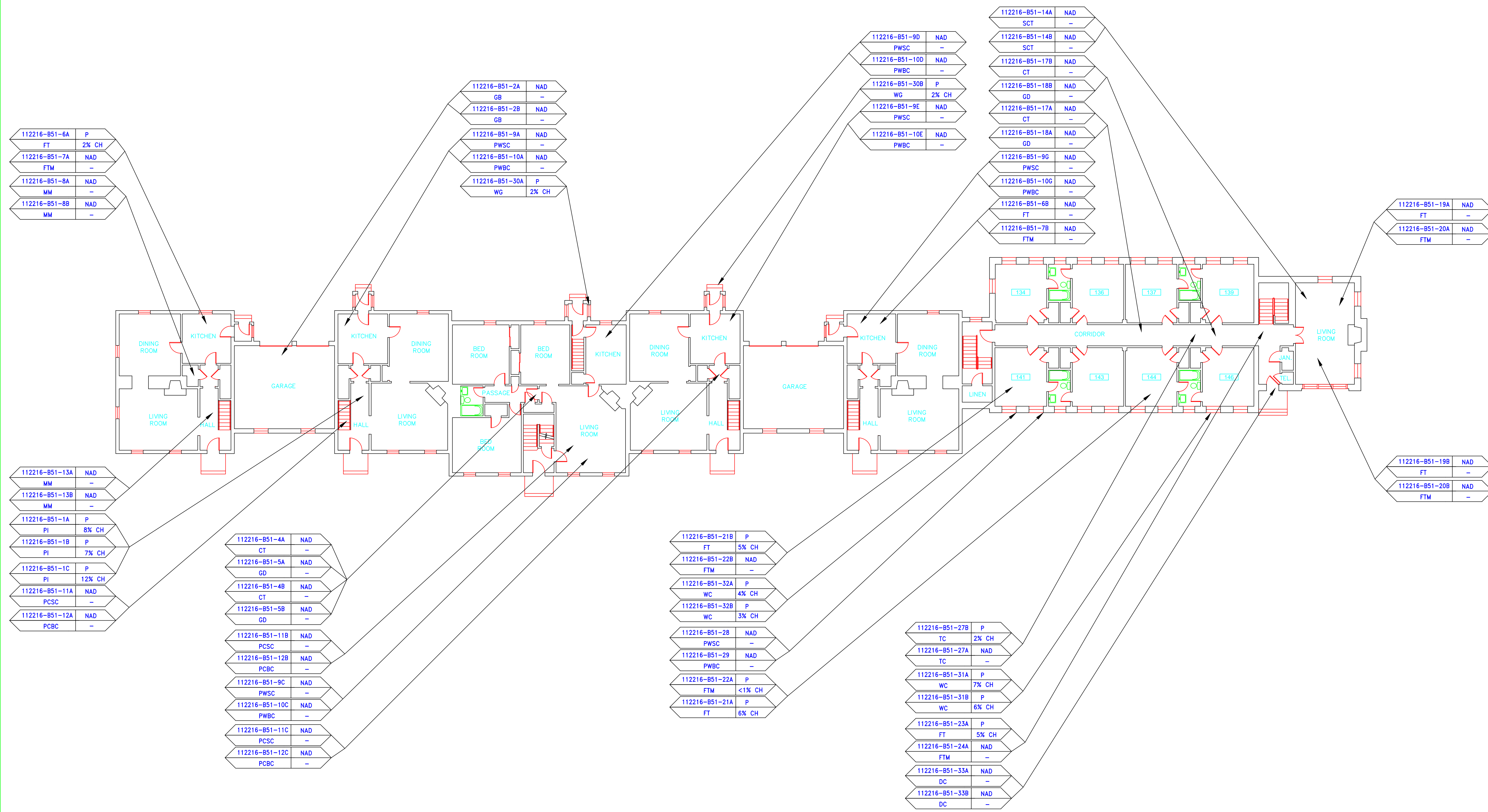
drawing title <b>SAMPLE LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		date 3/17/17	
mark	date	description	date 3/32"= 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-BA
CAD no.	project no.	2257316087	

**ATC**  
 ENVIRONMENTAL - GEOTECHNICAL  
 BUILDING SCIENCES - MATERIALS TESTING  
 PROJECT: BUILDING INSPECTION APARTMENTS BUILDING 51 STATE VETERANS HOME ROCKY HILL, CONNECTICUT

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	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
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112216-B51-6A	P
FT	2% CH
112216-B51-7A	NAD
FTM	-
112216-B51-8A	NAD
MM	-
112216-B51-8B	NAD
MM	-

112216-B51-2A	NAD
GB	-
112216-B51-2B	NAD
GB	-
112216-B51-9A	NAD
PWSC	-
112216-B51-10A	NAD
PWBC	-
112216-B51-30A	P
WG	2% CH

112216-B51-9D	NAD
PWSC	-
112216-B51-10D	NAD
PWBC	-
112216-B51-30B	P
WG	2% CH
112216-B51-9E	NAD
PWSC	-
112216-B51-10E	NAD
PWBC	-

112216-B51-14A	NAD
SCT	-
112216-B51-14B	NAD
SCT	-
112216-B51-17B	NAD
CT	-
112216-B51-18B	NAD
GD	-
112216-B51-17A	NAD
CT	-
112216-B51-18A	NAD
GD	-
112216-B51-9G	NAD
PWSC	-
112216-B51-10G	NAD
PWBC	-
112216-B51-6B	NAD
FT	-
112216-B51-7B	NAD
FTM	-

112216-B51-19A	NAD
FT	-
112216-B51-20A	NAD
FTM	-

112216-B51-19B	NAD
FT	-
112216-B51-20B	NAD
FTM	-

112216-B51-13A	NAD
MM	-
112216-B51-13B	NAD
MM	-
112216-B51-1A	P
PI	8% CH
112216-B51-1B	P
PI	7% CH
112216-B51-1C	P
PI	12% CH
112216-B51-11A	NAD
PCSC	-
112216-B51-12A	NAD
PCBC	-

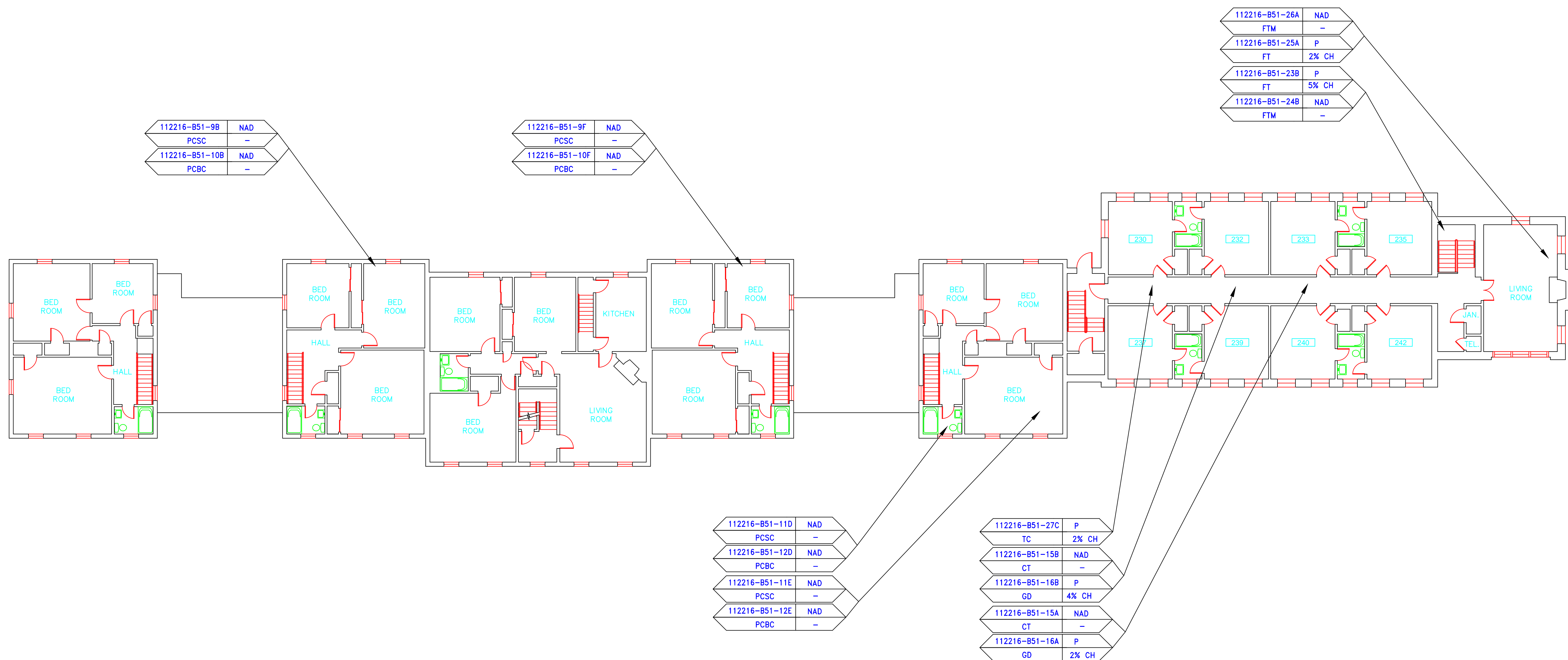
112216-B51-4A	NAD
CT	-
112216-B51-5A	NAD
GD	-
112216-B51-4B	NAD
CT	-
112216-B51-5B	NAD
GD	-
112216-B51-11B	NAD
PCSC	-
112216-B51-12B	NAD
PCBC	-
112216-B51-9C	NAD
PWSC	-
112216-B51-10C	NAD
PWBC	-
112216-B51-11C	NAD
PCSC	-
112216-B51-12C	NAD
PCBC	-

112216-B51-21B	P
FT	5% CH
112216-B51-22B	NAD
FTM	-
112216-B51-32A	P
WC	4% CH
112216-B51-32B	P
WC	3% CH
112216-B51-28	NAD
PWSC	-
112216-B51-29	NAD
PWBC	-
112216-B51-22A	P
FTM	<1% CH
112216-B51-21A	P
FT	6% CH

112216-B51-27B	P
TC	2% CH
112216-B51-27A	NAD
TC	-
112216-B51-31A	P
WC	7% CH
112216-B51-31B	P
WC	6% CH
112216-B51-23A	P
FT	5% CH
112216-B51-24A	NAD
FTM	-
112216-B51-33A	NAD
DC	-
112216-B51-33B	NAD
DC	-

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION FIRST FLOOR PLAN		date: 3/17/17	
REVISIONS		scale: 3/32" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-1A
		290 Roberts Street, Suite 201 Rocky Hill, CT 06067-1000 (860) 261-1000	
BUILDING INSPECTION APARTMENTS BUILDING 51 STATE VETERANS HOME ROCKY HILL, CONNECTICUT		project no.: 2257316087	

SAMPLE LEGEND	
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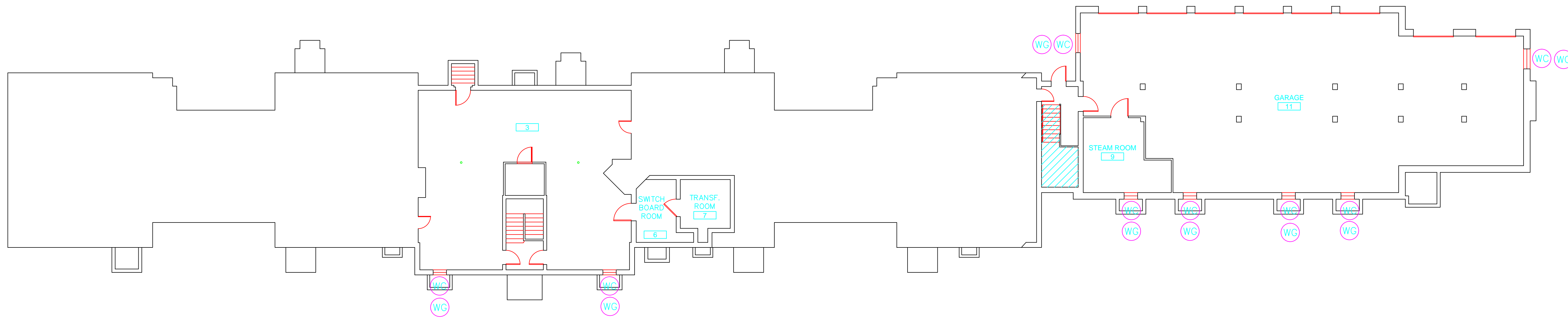
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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION SECOND FLOOR PLAN		DATE: 3/17/17	
REVISIONS		SCALE: 3/32" = 1'	
mark	date	description	drawn by
			AMW
			approved by
			EF
			drawing no.
			ASB-2A
CAD no.	project no.	2257316087	



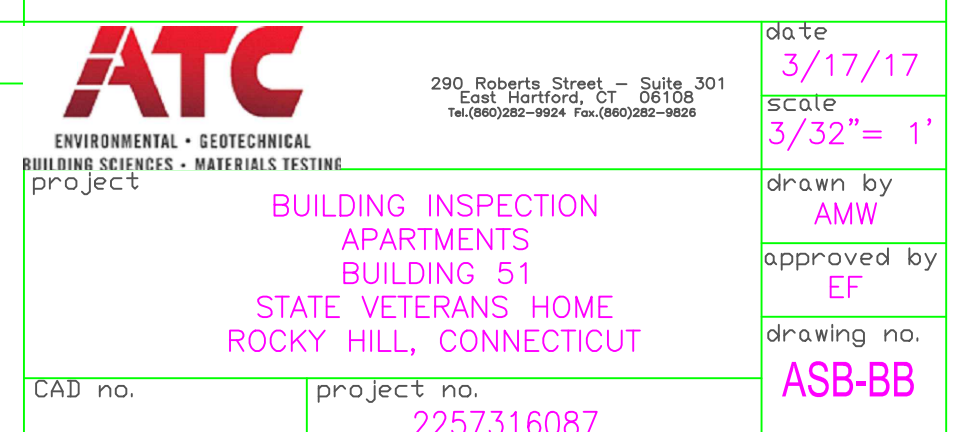
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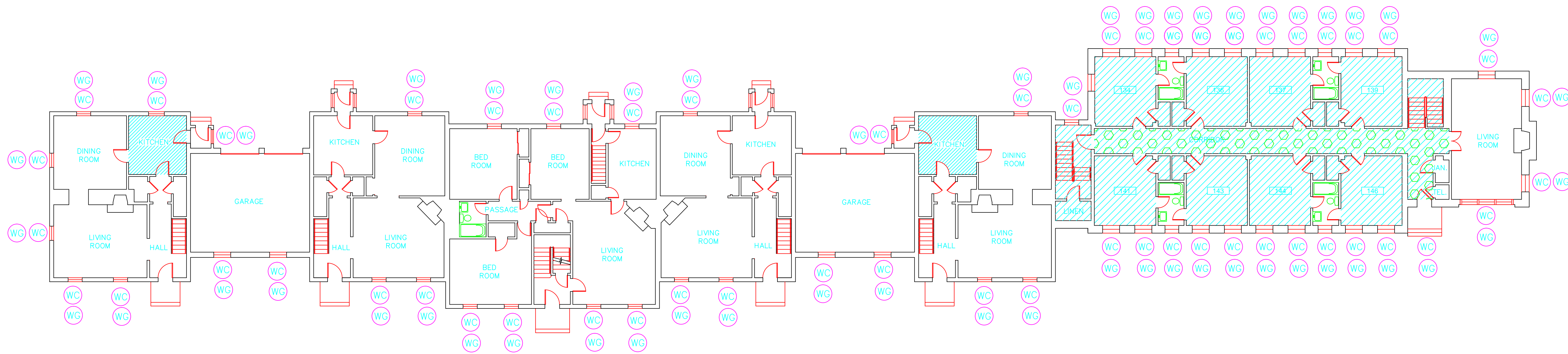
**ATC**  
 ENVIRONMENTAL • GEOTECHNICAL  
 ENGINEERING, INC.  
 BUILDING INSPECTION  
 APARTMENTS  
 BUILDING 51  
 STATE VETERANS HOME  
 ROCKY HILL, CONNECTICUT



SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPOUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECF	= END CAP PACKING
ECF	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WP	= WINDOW GLAZING
WT	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
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[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
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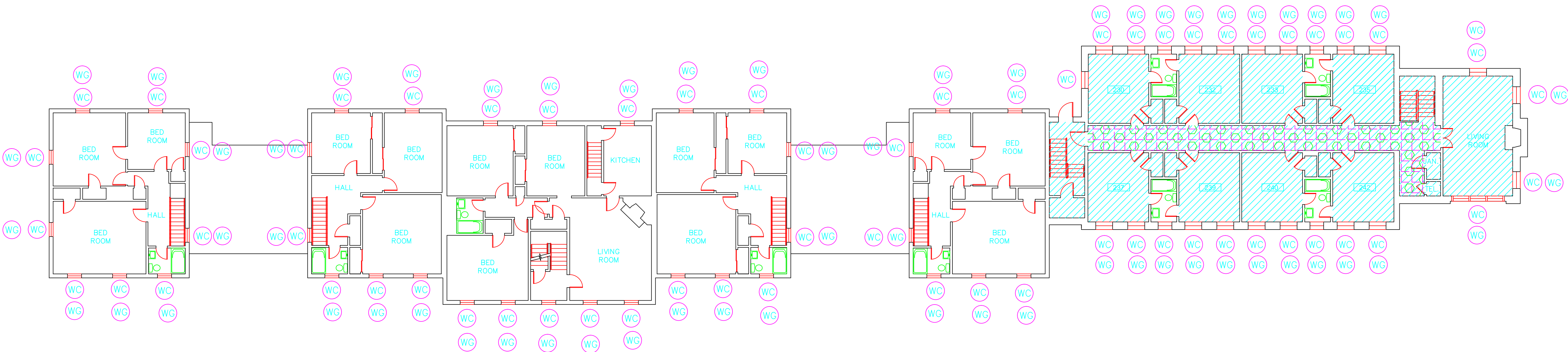


drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATION FIRST FLOOR PLAN		date: 3/17/17	
REVISIONS		scale: 3/32" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-1B
CAD no.		project no.: 2257316087	

**ATC**  
 ENVIRONMENTAL • GEOTECHNICAL  
 BUILDING SERVICES • MATERIALS TESTING  
 290 Roberts Street • 06106  
 (860) 261-1100 • Fax: (860) 261-1101

BUILDING INSPECTION  
 APARTMENTS  
 BUILDING 51  
 STATE VETERANS HOME  
 ROCKY HILL, CONNECTICUT

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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATION SECOND FLOOR PLAN		date: 3/17/17	
REVISIONS		scale: 3/32" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-2B
CAD no.		project no.: 2257316087	

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 (860) 261-1000 • Fax: (860) 261-1001

BUILDING INSPECTION  
 APARTMENTS  
 BUILDING 51  
 STATE VETERANS HOME  
 ROCKY HILL, CONNECTICUT

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March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 52  
Transitional Living  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53392  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Transitional Living Building, Building 52, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



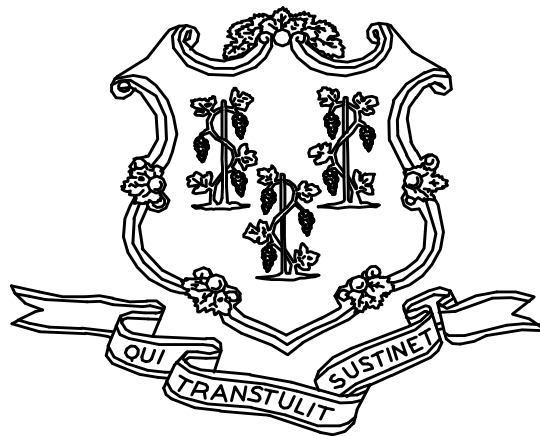
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**TRANSITIONAL LIVING  
BUILDING 52  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53392  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257317087**

**MARCH 17, 2017**

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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct a limited inspection to identify asbestos-containing materials (ACM) in the Transitional Living Building, Building 52, State Veterans Home, West Street, Rocky Hill, Connecticut. The purpose of the investigation was to identify suspect Asbestos Containing Material (ACM) prior to renovation. Mr. Riccitelli is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspector (CTDPH license number 000536). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included floor tile and associated mastic, sheet flooring and associated adhesive/backing, window caulking, door caulking, acoustic ceiling tiles and associated glue daubs, cove base and associated adhesive, stair tread adhesive, wall and ceiling plaster, thermal system insulation, sink undercoat, leveling compound, setting compound, vapor barrier mastic and carpet adhesive.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.

- (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.
  - (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. located in Wallingford, CT(NVLAP Lab Code 200700-0). The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via the EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### 3.0 ASBESTOS-CONTAINING MATERIALS

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Brown Ceiling Tile Glue Daubs
- Black Ceiling Tile Glue Daubs
- Layered Paper Pipe Insulation
- Mudded Pipe Fitting Insulation
- Exterior Window Frame Caulking
- Exterior Garage Door Caulking

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials throughout the building were determined to be non-ACM:

- 2'x4' Suspended Acoustic Ceiling Tile
- 1'x1' Acoustic Ceiling Tile
- Wall Plaster - Skim Coat (White)
- Wall Plaster - Base Coat (Gray)

- Brown Vapor Barrier on Wall
- Brown Sheet Flooring and Associated Mastic
- Black Sheet Flooring and Associated Mastic
- Red Sheet Flooring and Associated Mastic and Burlap Backing
- 12"x12" Beige Mottled Floor Tile and Associated Mastic
- Gray Leveling Compound
- Brown Carpet Glue
- Black 4" Cove Base and Associated Adhesive
- Exterior Door Frame Caulking

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled in relation to the demolition project.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.



## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 52 - TRANSITIONAL LIVING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
032416-52-1A	2nd Floor Hall	2'x4' Suspended Ceiling Tile White Fissured	ND	
032416-52-1B	1st Floor Day Room	2'x4' Suspended Ceiling Tile White Fissured	ND	
<b>032416-52-2A</b>	<b>2nd Floor Hall Near Room 32</b>	<b>Brown Ceiling Tile Glue Daubs</b>	<b>2</b>	<b>Chrysotile</b>
<b>032416-52-2B</b>	<b>2nd Floor Hall Near Room 32</b>	<b>Brown Ceiling Tile Glue Daubs</b>	<b>2</b>	<b>Chrysotile</b>
<b>032416-52-2C</b>	<b>1st Floor Phone Closet</b>	<b>Brown Ceiling Tile Glue Daubs</b>	<b>3</b>	<b>Chrysotile</b>
<b>032416-52-3A</b>	<b>2nd Floor Hall Near 32</b>	<b>Black Ceiling Tile Glue Daubs</b>	<b>6</b>	<b>Chrysotile</b>
<b>032416-52-3B</b>	<b>2nd Floor Hall Near Room 32</b>	<b>Black Ceiling Tile Glue Daubs</b>	<b>4</b>	<b>Chrysotile</b>
032416-52-4A	1st Floor Phone Closet	1'x1' Acoustic Ceiling Tile White Straight Hole	ND	
032416-52-4B	1st Floor Phone Closet	1'x1' Acoustic Ceiling Tile White Straight Hole	ND	
032416-52-5A	2nd Floor Linen Closet	Wall Plaster - Skim Coat (White)	ND	
032416-52-5B	2nd Floor Day Room Closet	Wall Plaster - Skim Coat (White)	ND	
032416-52-5C	Room 19	Wall Plaster - Skim Coat (White)	ND	
032416-52-5D	Room 6	Wall Plaster - Skim Coat (White)	ND	
032416-52-5E	Room 16	Wall Plaster - Skim Coat (White)	ND	
032416-52-5F	Room 7	Wall Plaster - Skim Coat (White)	ND	
032416-52-5G	Room 2	Wall Plaster - Skim Coat (White)	ND	
032416-52-6A	2nd Floor Linen Closet	Gray Base Coat Wall Plaster	ND	
032416-52-6B	2nd Floor Day Room	Gray Base Coat Wall Plaster	ND	
032416-52-6C	Room 19	Gray Base Coat Wall Plaster	ND	
032416-52-6D	Room 6	Gray Base Coat Wall Plaster	ND	

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STATE VETERANS HOME  
BUILDING 52 - TRANSITIONAL LIVING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
032416-52-6E	Room 16	Gray Base Coat Wall Plaster	ND	
032416-52-6F	Room 7	Gray Base Coat Wall Plaster	ND	
032416-52-6G	Room 2	Gray Base Coat Wall Plaster	ND	
032416-52-7A	Room 6	Brown Vapor Barrier @ Wall	ND	
032416-52-7B	Room 7	Brown Vapor Barrier @ Wall	ND	
032416-52-7C	Room 16	Brown Vapor Barrier @ Wall	ND	
<b>032416-52-8A</b>	<b>2nd Floor Janitors Closet</b>	<b>Layered Paper - Pipe Insulation</b>	<b>60</b>	<b>Chrysotile</b>
<b>032416-52-8B</b>	<b>1st Floor Janitors Closet</b>	<b>Layered Paper - Pipe Insulation</b>	<b>70</b>	<b>Chrysotile</b>
<b>032416-52-9A</b>	<b>2nd Floor Janitors Closet</b>	<b>Pipe Fitting Insulation</b>	<b>60</b>	<b>Chrysotile</b>
032416-52-10A	2nd Floor Hall	Brown Sheet Flooring	ND	
032416-52-10B	1st Floor Day Room Closet	Brown Sheet Flooring	ND	
032416-52-10C	Room 6	Brown Sheet Flooring	ND	
032416-52-11A	2nd Floor Hall	Black Mastic For Brown Sheet Flooring	ND	
032416-52-11B	1st Floor Day Room Closet	Black Mastic For Brown Sheet Flooring	ND	
032416-52-11C	Room 6	Black Mastic For Brown Sheet Flooring	ND	
032416-52-12A	2nd Floor Hall	Black Sheet Flooring	ND	
032416-52-12B	1st Floor Hall	Black Sheet Flooring	ND	
032416-52-12C	Room 6	Black Sheet Flooring	ND	
032416-52-13A	2nd Floor Hall	Black Mastic & Burlap Backing For Black Sheet Flooring	ND	

**TABLE 6-1  
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STATE VETERANS HOME  
BUILDING 52 - TRANSITIONAL LIVING**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
032416-52-13B	1st Floor Hall	Black Mastic and Burlap Backing For Black Sheet Flooring	ND	
032416-52-13C	Room 6	Black Mastic and Burlap Backing For Black Sheet Flooring	ND	
032416-52-14A	2nd Floor Hall	Red Sheet Flooring	ND	
032416-52-14B	1st Floor Hall	Red Sheet Flooring	ND	
032416-52-15A	2nd Floor Hall	Black Mastic and Burlap Backing For Red Sheet Flooring	ND	
032416-52-15B	1st Floor Hall	Black Mastic and Burlap Backing For Red Sheet Flooring	ND	
032416-52-16A	Room 26	12"x12" Beige Floor Tile (Mottled)	ND	
032416-52-16B	Room 10	12"x12" Beige Floor Tile (Mottled)	ND	
032416-52-16C	Room 11	12"x12" Beige Floor Tile (Mottled)	ND	
032416-52-17A	Room 26	Black Mastic For 12"x12" Beige Floor Tile (Mottled)	ND	
032416-52-17B	Room 10	Black Mastic For 12"x12" Beige Floor Tile (Mottled)	ND	
032416-52-17C	Room 11	Black Mastic For 12"x12" Beige Floor Tile (Mottled)	ND	
032416-52-18A	2nd Floor Day Room	Gray Leveling Compound	ND	
032416-52-18B	1st Floor Day Room	Gray Leveling Compound	ND	
032416-52-19A	1st Floor Day Room Closet	Brown Carpet Glue	ND	
032416-52-19B	1st Floor Day Room Closet	Brown Carpet Glue	ND	
032416-52-20A	Room 10	4" Black Cove Base	ND	
032416-52-20B	Room 26	4" Black Cove Base	ND	

**TABLE 6-1  
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STATE VETERANS HOME  
BUILDING 52 - TRANSITIONAL LIVING**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
032416-52-21A	Room 10	Adhesive For 4" Black Cove Base	ND	
032416-52-21B	Room 26	Adhesive For 4" Black Cove Base	ND	
<b>032416-52-22A</b>	<b>Basement</b>	<b>Exterior- Window Frame Caulk</b>	<b>2</b>	<b>Chrysotile</b>
<b>032416-52-22B</b>	<b>Basement</b>	<b>Exterior- Window Frame Caulk</b>	<b>2</b>	<b>Chrysotile</b>
032416-52-23A	Basement Door	Exterior Door Frame Caulk- Door To Electrical Department	ND	
032416-52-23B	Basement Door	Exterior Door Frame Caulk- Door To Electrical Department	ND	
<b>032416-52-24A</b>	<b>Exterior Garage Bay</b>	<b>Door Frame Caulk</b>	<b>6</b>	<b>Chrysotile</b>
<b>032416-52-24B</b>	<b>Exterior Garage Bay</b>	<b>Door Frame Caulk</b>	<b>5</b>	<b>Chrysotile</b>
<b>032416-52-24C</b>	<b>Exterior Garage Bay</b>	<b>Door Frame Caulk</b>	<b>5</b>	<b>Chrysotile</b>

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06

Tel/Fax: (203) 284-5948 / (203) 284-5978

<http://www.EMSL.com> / [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

EMSL Order: 241601123

Customer ID: ATCE54

Customer PO: 16-10133-0001

Project ID:

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 03/28/2016 3:45 PM

**Analysis Date:** 03/31/2016

**Collected Date:** 03/24/2016

**Project:** 2257316021/BUILDING 52 TRANSITIONAL LIVING CENTER, 287 WEST ST. ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
032416-52-1A <small>241601123-0001</small>	2nd fl- hall - tile white fissured- 2by 4 sus ceiling	Gray Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
032416-52-1B <small>241601123-0002</small>	1st fl day room - tile white fissured- 2by 4 sus ceiling	Gray Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
032416-52-2A <small>241601123-0003</small>	2nd fl- hall near 32 - brown glue daubs on ceiling	Brown Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
032416-52-2B <small>241601123-0004</small>	2nd fl- hall near 32 - brown glue daubs on ceiling	Brown Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
032416-52-2C <small>241601123-0005</small>	1st fl- phone closet - brown glue daubs on ceiling	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
032416-52-3A <small>241601123-0006</small>	2nd fl hall near 32 - black glue daubs on ceiling	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
032416-52-3B <small>241601123-0007</small>	2nd fl hall near 32 - black glue daubs on ceiling	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
032416-52-4A <small>241601123-0008</small>	1st fl- phone closet - tile white straight hole 1by1 ceiling	Tan Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
032416-52-4B <small>241601123-0009</small>	1st fl- phone closet - tile white straight hole 1by1 ceiling	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
032416-52-5A <small>241601123-0010</small>	2nd fl- linen closet - white skim coat wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-5B <small>241601123-0011</small>	Day room-2nd- closet - white skim coat wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-5C <small>241601123-0012</small>	Room 19 - white skim coat wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-5D <small>241601123-0013</small>	Room 6 - white skim coat wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-5E <small>241601123-0014</small>	Room 16 - white skim coat wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-5F <small>241601123-0015</small>	Room 7 - white skim coat wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-5G <small>241601123-0016</small>	Room 2 - white skim coat wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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EMSL Order: 241601123

Customer ID: ATCE54

Customer PO: 16-10133-0001

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
032416-52-6A <small>241601123-0017</small>	2nd fl linen closet - gray base coat wall plaster	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
032416-52-6B <small>241601123-0018</small>	2nd fl day room - gray base coat wall plaster	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
032416-52-6C <small>241601123-0019</small>	Room 19 - gray base coat wall plaster	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
032416-52-6D <small>241601123-0020</small>	Room 6 - gray base coat wall plaster	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
032416-52-6E <small>241601123-0021</small>	Room 16 - gray base coat wall plaster	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
032416-52-6F <small>241601123-0022</small>	Room 7 - gray base coat wall plaster	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
032416-52-6G <small>241601123-0023</small>	Room 2 - gray base coat wall plaster	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
032416-52-7A <small>241601123-0024</small>	Room 6 - brown vapor barrier @ wall	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
032416-52-7B <small>241601123-0025</small>	Room 7 - brown vapor barrier @ wall	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
032416-52-7C <small>241601123-0026</small>	Room 16 - brown vapor barrier @ wall	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
032416-52-8A <small>241601123-0027</small>	2nd fl janitors closet - layered paper- pipe insulation	White Fibrous Homogeneous		40% Non-fibrous (Other)	60% Chrysotile
032416-52-8B <small>241601123-0028</small>	1st fl janitors closet - layered paper- pipe insulation	Gray Fibrous Homogeneous	15% Cellulose	15% Non-fibrous (Other)	70% Chrysotile
032416-52-9A <small>241601123-0029</small>	2nd fl janitors closet - pipe elbow- insulation	White Fibrous Homogeneous		40% Non-fibrous (Other)	60% Chrysotile
032416-52-10A <small>241601123-0030</small>	2nd fl hall - brown sheet flooring	Brown Non-Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
032416-52-10B <small>241601123-0031</small>	closet- 1st fl day room - brown sheet flooring	Brown Non-Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
032416-52-10C <small>241601123-0032</small>	Room 6 - brown sheet flooring	Brown Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
032416-52-11A <small>241601123-0033</small>	2nd floor hall - black mastic for brown sheet flooring	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
032416-52-11B <small>241601123-0034</small>	closet 1st fl day rm - black mastic for brown sheet flooring	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
032416-52-11C <small>241601123-0035</small>	Room 6 - black mastic for brown sheet flooring	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected





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EMSL Order: 241601123

Customer ID: ATCE54

Customer PO: 16-10133-0001

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
032416-52-12A <small>241601123-0036</small>	2nd fl hall - black sheet flooring	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
032416-52-12B <small>241601123-0037</small>	1st fl hall - black sheet flooring	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
032416-52-12C <small>241601123-0038</small>	Room 6 - black sheet flooring	Black Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
032416-52-13A <small>241601123-0039</small>	2nd fl hall - black mastic & burlap backing for black sheet flooring	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
032416-52-13B <small>241601123-0040</small>	1st fl hall - black mastic & burlap backing for black sheet flooring	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
032416-52-13C <small>241601123-0041</small>	Room 6 - black mastic & burlap backing for black sheet flooring	Brown Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
032416-52-14A <small>241601123-0042</small>	2nd fl hall - red sheet flooring	Red Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
032416-52-14B <small>241601123-0043</small>	1st fl hall - red sheet flooring	Red Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
032416-52-15A <small>241601123-0044</small>	2nd fl hall - black mastic & burlap backing for red sheet floor	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
032416-52-15B <small>241601123-0045</small>	1st fl hall - black mastic & burlap backing for red sheet floor	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
032416-52-16A <small>241601123-0046</small>	Room 26 - beige 12x12 floor tile (mottled)	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
032416-52-16B <small>241601123-0047</small>	Room 10 - beige 12x12 floor tile (mottled)	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
032416-52-16C <small>241601123-0048</small>	Room 11 - beige 12x12 floor tile (mottled)	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
032416-52-17A <small>241601123-0049</small>	Room 26 - black mastic for beige 12x12 floor tile (mottled)	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
032416-52-17B <small>241601123-0050</small>	Room 10 - black mastic for beige 12x12 floor tile (mottled)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-17C <small>241601123-0051</small>	Room 11 - black mastic for beige 12x12 floor tile (mottled)	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
032416-52-18A <small>241601123-0052</small>	Day room 2nd fl - gray leveling compound	Gray Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected



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EMSL Order: 241601123

Customer ID: ATCE54

Customer PO: 16-10133-0001

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
032416-52-18B <small>241601123-0053</small>	Day room 1st fl - gray leveling compound	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
032416-52-19A <small>241601123-0054</small>	1st fl day rm closet - brown carpet glue	Yellow Non-Fibrous Homogeneous	5% Synthetic	95% Non-fibrous (Other)	None Detected
032416-52-19B <small>241601123-0055</small>	1st fl day rm closet - brown carpet glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-20A <small>241601123-0056</small>	Room 10 - black 4" cove base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-20B <small>241601123-0057</small>	Room 26 - black 4" cove base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-21A <small>241601123-0058</small>	Room 10 - adhesive for black 4" cove base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-21B <small>241601123-0059</small>	Room 26 - adhesive for black 4" cove base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
032416-52-22A <small>241601123-0060</small>	Basement - exterior-window frame caulk	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
032416-52-22B <small>241601123-0061</small>	Basement - exterior-window frame caulk	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
032416-52-23A <small>241601123-0062</small>	Basement door - exterior door frame caulk- door to electrical dept	Gray Non-Fibrous Homogeneous	3% Fibrous (Other)	97% Non-fibrous (Other)	None Detected
032416-52-23B <small>241601123-0063</small>	Basement door - exterior door frame caulk- door to electrical dept	Gray Non-Fibrous Homogeneous	5% Fibrous (Other)	95% Non-fibrous (Other)	None Detected
032416-52-24A <small>241601123-0064</small>	Exterior garage bay - door frame caulk	Tan Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
032416-52-24B <small>241601123-0065</small>	Exterior garage bay - door frame caulk	Tan Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
032416-52-24C <small>241601123-0066</small>	Exterior garage bay - door frame caulk	Tan Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile



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EMSL Order: 241601123

Customer ID: ATCE54

Customer PO: 16-10133-0001

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type

Analyst(s)

Jeremy Patino (38)

Kristin Lopez (28)

Gloria V. Oriol, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial Report From: 03/31/2016 17:14:47

# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

241601123

ATC Inspector: <u>Wayne Riccitelli</u>		Client Name: <u>CT DCS- State Veterans Home - B109 52</u>	
Accreditation No.: <u>536</u>		Project No./Task No.: <u>2257316021</u>	
Survey Date: <u>03-24-16</u>		Project Manager: <u>Ed Fenell</u>	
Signature: <u>Wayne Riccitelli</u>		Requested Completion Date: _____	
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) <u>3 HR</u> 6 HR 24 HR 48 HR <u>3 DY</u> 5 DY	
Building: <u>Building 52, Transitional Living</u>		Address: <u>West St, Rocky Hill, CT</u>	
Location		Type	No. Samples Collected
Material Description		TSI MISC	
Friable Y/N		Condition (SD D ND)	Sample of homogeneous material
Estimated Quantity		Field Number	
tile			1 032416-52-1A
White fissured - 2x4x4 - Sus. ceiling			2 ↓ 1-B
ON ceiling			1 032416-52-2A
Brown glue daubs			2 ↓ 1-2B
↓			3 ↓ 2-C
on ceiling			1 032416-52-3A
Black glue daubs			2 ↓ 3-B
Tile			1 032416-52-4A
White Straight hole lvtl ceiling			2 4R
White Skin Coat wall plaster			1 5A
↓			2 5B
↓			3 5C
↓			4 5D
↓			5 5E
↓			6 5F

**RECEIVED**  
 MAR 28 2016  
 By: [Signature]

PLM - Analysis

Comments:

Notes

Damage Factors: Physical (sig dmg-dmg-no dmg)      Deterioration (heavy-moderate-light-none)      Friability (yes-no; hard-mod-soft surface)

Disturbance Factors: Proximity (<1ft- 1-6ft->6ft)      Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)      Barriers (perm airtight-enclosed-encapsulated)

Ventilation (yes-no, if yes, type)      Air movement (high-moderate-low)      Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Wayne Riccitelli      Received By/Date: \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_      Received By/Date: \_\_\_\_\_

# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

ATC Inspector: <u>Wayne Riccitelli</u>	Client Name: <u>CT- DCS - State Veterans Home - B109-52</u>						
Accreditation No.: <u>536</u>	Project No./Task No.: <u>2257316021</u>						
Survey Date: <u>03.24.16</u>	Project Manager: <u>Ed Fennell</u>						
Signature: <u>Wayne</u>	Requested Completion Date: _____						
Lab Name: <u>ENSL</u>	Requested turnaround time (circle): <u>3 HR</u> 6 HR 24 HR 48 HR <u>3 DY</u> 5 DY	No. Samples Collected: _____					
Building: <u>#52</u>	Address: <u>287 West St, Rocky Hill, CT</u>						
Location	Material Description	Type S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of _ (homogeneous material)	Field Number
<u>Room-2</u>	<u>White Skim Coat wall plaster</u>	<u>S</u>		<u>N</u>		<u>7</u>	<u>03241652-5B</u>
<u>1st Fl. Linen Closet</u>	<u>GRAY Base Coat wall plaster</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>1</u>	<u>03241652-6-A</u>
<u>1st Fl Day room</u>						<u>2</u>	
<u>Room 19</u>						<u>3</u>	
<u>Room-6</u>						<u>4</u>	
<u>Room-16</u>						<u>5</u>	
<u>Room-7</u>	<u>6</u>	<u>6-F</u>					
<u>Room-2</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>7</u>	<u>6-G</u>
<u>Room-6</u>	<u>Brown Vapor barrier @ wall</u>	<u>MISC</u>	<u> </u>	<u>YES</u>	<u> </u>	<u>1</u>	<u>03241652-7A</u>
<u>Room-7</u>						<u>2</u>	
<u>Room-16</u>						<u>3</u>	
<u>2nd Fl. Janitors closet</u>	<u>Layered Paper- pipe insulation</u>	<u>TSI</u>	<u> </u>	<u>YES</u>	<u> </u>	<u>1</u>	<u>03241652-8A</u>
<u>1st Fl. Janitors closet</u>						<u>2</u>	

Comments: PLAN ANALYSIS

Notes

Damage Factors: Water (extensive-moderate-slight-none)  
 Physical (sig dmg-dmg-no dmg) Proximity (<1ft- 1-6ft- >6ft)  
 Disturbance Factors: Accessibility (within reach-barely reachable-not reachable)  
 Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct)

Deterioration (heavy-moderate-light-none)  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator other) Friability (yes-no; hard-mod-soft surface)  
 Air movement (high-moderate-low) Barriers (perm airtight-enclosed-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

Received By/Date: Wayne 15.45  
 Received By/Date: \_\_\_\_\_



S:\BldgSci\Admin\Templates and Forms\Asbestos\New ATCA\Asbestos Bulk Sample Form.doc

# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

ATC Inspector: Wayne Riccitielli Client Name: CT-DCS- State Veterans Home B109-52  
 Accreditation No.: 536 Project No./Task No.: 2257316021  
 Survey Date: 03-24-16 Project Manager: Ed Fennell  
 Signature: Wayne K Requested Completion Date:       
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY  
 Building: # 52 Address: 287 West ST Rocky Hill CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
<u>Closet</u>	<u>Pipe elbow-insulation</u>	<u>TSI</u>		<u>Y</u>		<u>1</u>	<u>03241652-9-A</u>
<u>2nd Fl. Javiers</u>	<u>Brown Sheet Flooring</u>	<u>MISC</u>		<u>N</u>		<u>1</u>	<u>03241652-10-A</u>
<u>2nd Fl. Hall</u>						<u>2</u>	<u>10-B</u>
<u>1st Fl. Day Room</u>						<u>3</u>	<u>10-C</u>
<u>Room-6</u>							
<u>2nd Fl. Hall</u>	<u>Black Mastic for</u>	<u>MISC</u>		<u>N</u>		<u>1</u>	<u>03241652-11-A</u>
<u>Closet 1st Fl Day RM</u>						<u>2</u>	<u>11B</u>
<u>Room-6</u>						<u>3</u>	<u>11C</u>
<u>2nd Floor- Hall</u>	<u>Black Sheet Flooring</u>					<u>1</u>	<u>03241652-12-A</u>
<u>1st Room-6</u>						<u>2</u>	<u>12-B</u>
						<u>3</u>	<u>12-C</u>
<u>2nd Fl Hall</u>	<u>for</u>						
<u>1st Fl Hall</u>	<u>Black mastic &amp; Berleap backing</u>	<u>MISC</u>		<u>N</u>		<u>1</u>	<u>03241652-13-A</u>
						<u>2</u>	<u>13-B</u>

**RECEIVED**  
 MAR 28 2016  
 By: Ed Fennell

Comments:  
 Notes:  
 Damage Factors:  
 Disturbance Factors:  
 Relinquished By/Date:  
 Relinquished By/Date:

Physical (sig dmg-dmg-no dmg)  
 Proximity (<1ft- 1-6ft->6ft)  
 Ventilation (yes-no; if yes, type)  
 Water (extensive-moderate-slight-none)  
 Accessibility (within reach-barely reachable-not reachable)  
 Air conduits (air plenum - air shaft - elevator shaft - duct)  
 Deterioration (heavy-moderate-light-none)  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)  
 Air movement (high-moderate-low)  
 Enableility (yes-no; hard-mod-soft surface)  
 Barriers (perm airtight-enclosed-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

ATC Inspector: Wayne Riccitelli Client Name: CT DCS - State Veterans Home Bldg. 52  
 Accreditation No.: 536 Project No./Task No.: 2257316021  
 Survey Date: 03-24-16 Project Manager: Fo Fennell  
 Signature: Wayne Riccitelli Requested Completion Date:       
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY  
 Building: # 52 Address: 287 West St Rocky Hill, CT

Location	Material Description	Type TSI S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
<u>Room- 6</u>	<u>Backing for Black Sheet floor</u>	<u>MISC</u>		<u>N</u>		<u>3</u>	<u>03241652-13-C</u>
<u>2nd Fl. Hall</u>	<u>Black Mastic &amp; Burlap</u>					<u>3</u>	
<u>1st Fl. Hall</u>	<u>Backing- Red Sheet flooring with</u>					<u>2</u>	<u>03241652-14-A</u>
<u>2nd Fl. Hall</u>	<u>For Red Sheet Floor</u>					<u>2</u>	<u>14-B</u>
<u>1st Fl. Hall</u>	<u>Black Mastic &amp; Burlap Backing</u>					<u>2</u>	<u>03241652-15-A</u>
<u>Room 26</u>	<u>(matted)</u>					<u>2</u>	<u>15-B</u>
<u>11</u>	<u>Beige 12x12 Floor tile</u>					<u>2</u>	<u>03241652 16-A</u>
<u>11</u>						<u>3</u>	<u>16-B</u>
<u>Room 26</u>	<u>Black mastic for</u>					<u>3</u>	<u>16-C</u>
<u>11</u>						<u>2</u>	<u>03241652-17A</u>
<u>11</u>						<u>3</u>	<u>17-B</u>
<u>Day Room 2nd Fl</u>	<u>Gray Leveling Compound</u>					<u>1</u>	<u>17-C</u>
<u>Day Room 1st Fl</u>						<u>2</u>	<u>18-A</u>
							<u>18-B</u>

**RECEIVED**

MAR 28 2016

Deterioration (heavy-moderate-light-none)  
 Friability (yes-no; hard-mod-soft surface)  
 Vibration (gym-music rm-auditorium-mechanical (resistor-ator-other))  
 Barbers (perm airtight-enclosed-encapsulated)  
 Air movement (high-moderate-low)  
 Texture (rough-pitted-moderate-smooth)

Received By/Date:  
Received By/Date:

PLM- Analysis

Physical (sig dmg-dmg-no dmg)  
 Water (extensive-moderate-slight-none)  
 Proximity (<1ft- 1-6ft- >6ft)  
 Accessibility (within reach-barely reachable-not reachable)  
 Ventilation (yes-no; if yes, type)  
 Air conduits (air plenum- air shaft- elevator shaft- duct)

Relinquished By/Date:  
Relinquished By/Date:

# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

ATC Inspector: Wayne Riccattelli Client Name: CT- DCS State Veterans Home Bldg-52  
 Accreditation No.: 536 Project No./Task No.: 2252316021  
 Survey Date: 03-24-16 Project Manager: Ed Fennell  
 Signature: Wayne Riccattelli Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 5 DY 5 No. Samples Collected \_\_\_\_\_  
 Building: # 52 Address: \_\_\_\_\_

Location	Material Description	Type S MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
1st Fl. - Dorman-Closet	Brown Carpet Glue	Misc		N		1	03 24 16 52-19-A
Room - 206	Black 4" Cove Base					2	-19-B
Room - 10	Adhesive for exterior window frame					1	20-A
Room - 10	Adhesive for caulk door to Electrical Dept					2	20-B
Basement	Exterior Door frame caulk					1	21-A
Basement Door	Door frame caulk					2	21-B
Exterior - Garage - Bay	Door frame caulk					1	22-A
						2	22-B
						1	23-A
						2	-23-B
						1	24
						2	25-A
						3	25-B
						3	25-C

RECEIVED

MAR 28 2016

B. B.

PLM - Analysis

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft- 1-6ft ->6ft) Accessibility (within reach-barely reachable-not reachable)  
 Ventilation (yes-nc; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct)  
 Eligibility (yes-no) hard-mod-soft surface  
 Barriers (perm airtight-enclosed-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Wayne Riccattelli Received By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_



**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
ASBESTOS CONSULTANT-INSPECTOR

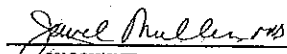
WAYNE T. RICCITELLI

CERTIFICATE NO.  
000536

CURRENT THROUGH  
10/31/16

VALIDATION NO.  
03-303687

  
SIGNATURE

  
COMMISSIONER

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Wayne Riccitelli**

*has successfully completed the*  
**Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

*Cardno ATC*  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070

*Gregory Morsch*

Principal Instructor: Gregory Morsch

May 14, 2015

Date of Course

May 14, 2016

Expiration Date

*Gregory Morsch*

Regional Training Manager Gregory Morsch

SLAR-5166

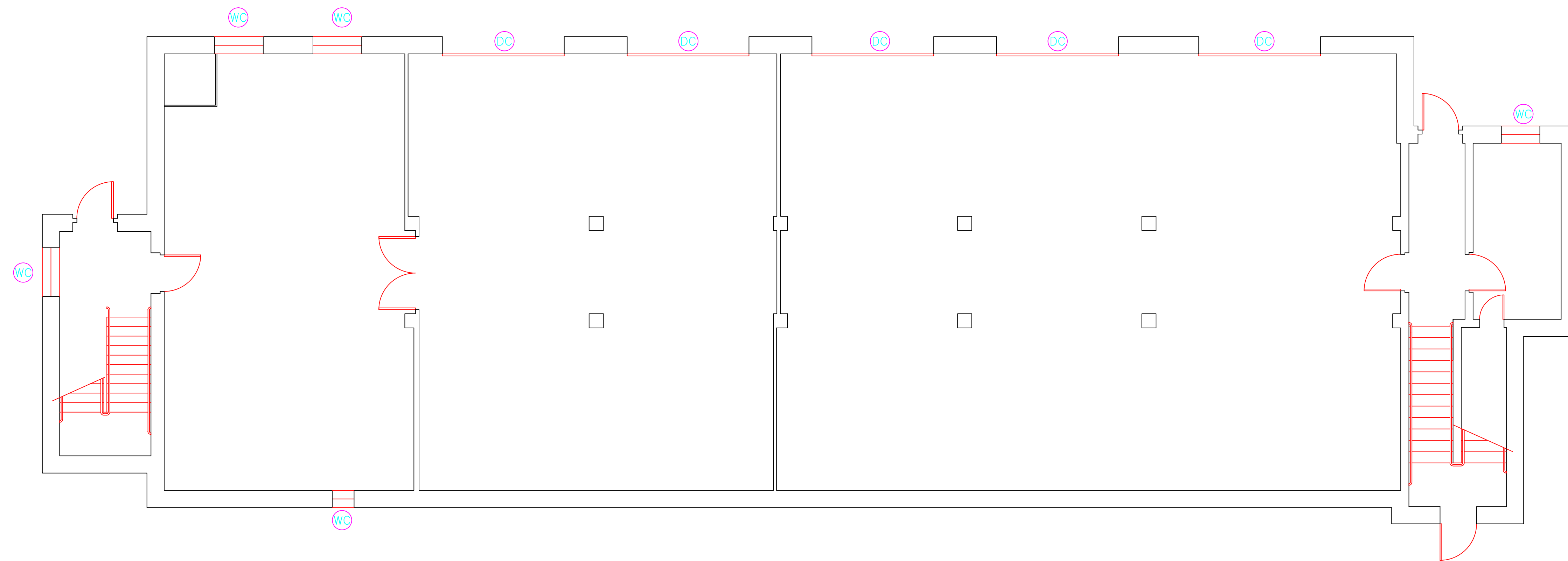
Certificate Number

May 14, 2015

Examination Date

**APPENDIX B**  
**DRAWINGS**

SAMPLE LEGEND	
SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUOND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECF	= END CAP PACKING
ECOS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE



SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>ACM LOCATION BASEMENT PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		date 3/17/17	
mark	date	description	scale 3/16" = 1'
			drawn by AMW
			approved by EF
			drawing no. ASB-BB
CAD no.	project no.	2257316087	

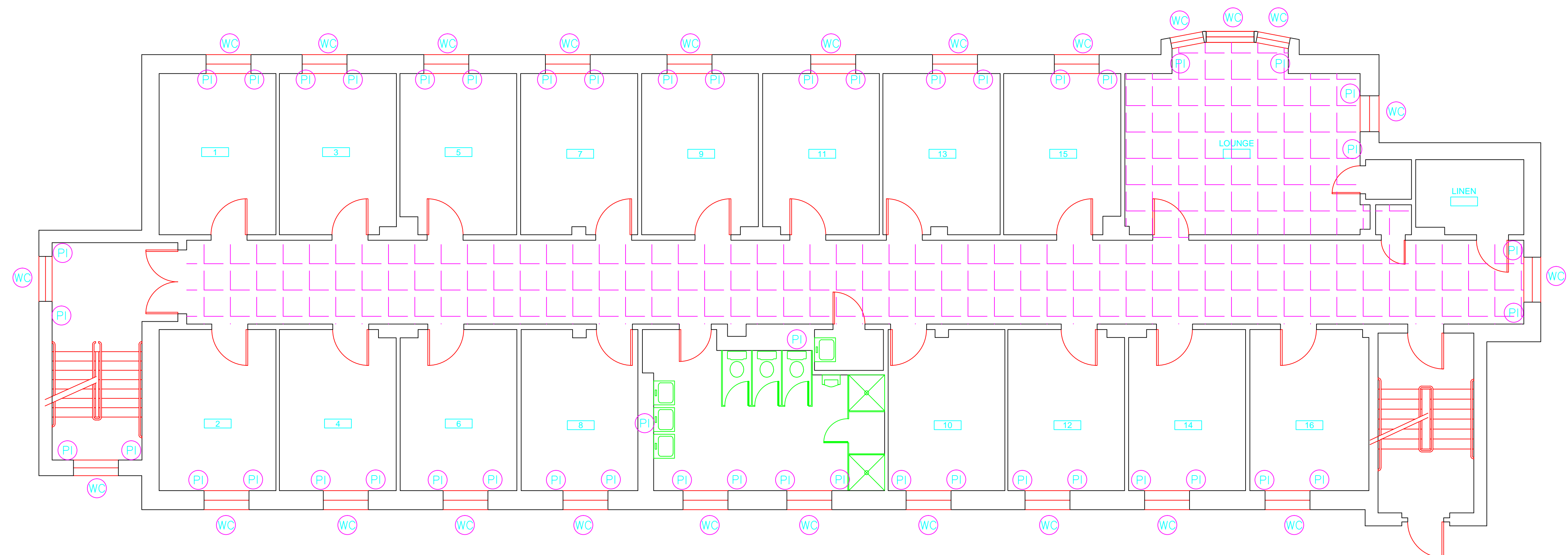
**ATC**  
 ENVIRONMENTAL - GEOTECHNICAL  
 BUILDING INSPECTION  
 TRANSITIONAL LIVING  
 BUILDING 52  
 STATE VETERANS HOME  
 ROCKY HILL, CONNECTICUT

**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
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DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
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FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
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GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
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MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
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PLCB	=	PLASTER CEILING BASE COAT
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WC	=	WINDOW CAULKING
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SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
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[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

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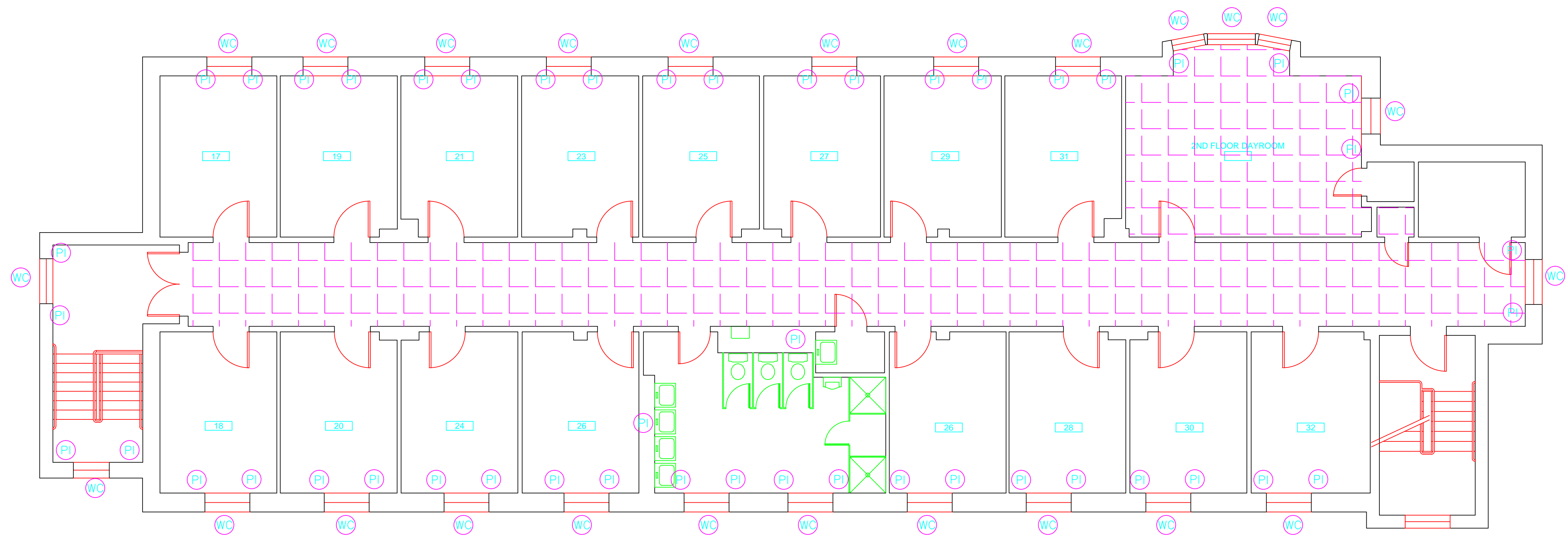
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ACM LOCATION FIRST FLOOR PLAN		date: 3/17/17	
REVISIONS		scale: 3/16" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-1B
		290 Roberts Street, Suite 201 Rocky Hill, CT 06067-1000 (860) 261-1000 www.atc-llc.com	
BUILDING INSPECTION TRANSITIONAL LIVING BUILDING 52 STATE VETERANS HOME ROCKY HILL, CONNECTICUT		project no.: 2257316087	

**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	=	AMOSITE
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[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATION SECOND FLOOR PLAN		date: 3/17/17	
REVISIONS		SCALE: 3/16" = 1'	
mark	date	description	drawn by: AMW
			approved by: EF
			drawing no.: ASB-2B
		290 Roberts Street, Suite 201 Rocky Hill, CT 06067-1001 (860) 265-8888 www.atcinc.com	
CAD no.		project no. 2257316087	





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March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 53  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53376  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Residence, Building 53, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



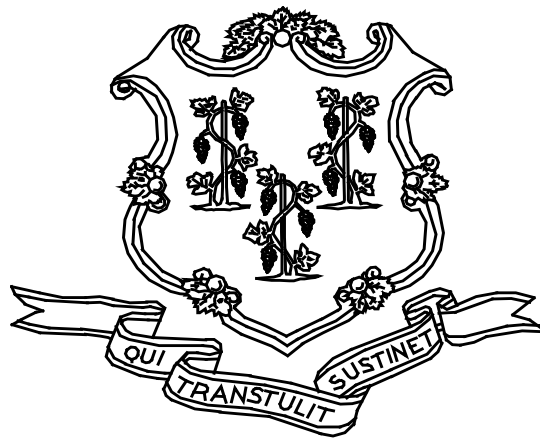
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 53  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53376  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

## Table of Contents

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1.0	INTRODUCTION
2.0	ASBESTOS-CONTAINING MATERIALS SURVEY
3.0	ASBESTOS-CONTAINING MATERIALS
4.0	DISCUSSION AND RECOMMENDATIONS
5.0	LIMITATIONS
6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in Building 53 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 28, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: sheet flooring and associated adhesive, cove base and associated adhesive, paper under wood floor, gypsum board and joint compound.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Joint Compound

Those materials that contain less than 1% asbestos are as follows:

- Adhesive For 4" Brown Cove Base

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Gypsum Wall Board
- Beige Square Sheet Floor
- Adhesive for Beige Square Sheet Floor
- Gray/Red Flooring Under Sheet Floor
- Black Paper Under Gray/Red Sheet Floor
- 4" Brown Cove Base
- Black Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED/PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 53-RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022817-B53-1A	Basement	Gypsum Board	ND	
022817-B53-1B	Kitchen	Gypsum Board	ND	
022817-B53-2A	Basement	Joint Compound	ND	
<b>022817-B53-2B</b>	<b>Kitchen</b>	<b>Joint Compound</b>	<b>3</b>	<b>Chrysotile</b>
022817-B53-3A	Kitchen	4" Brown Cove Base	ND	
022817-B53-3B	Kitchen	4" Brown Cove Base	ND	
022817-B53-4A	Kitchen	Adhesive For Brown 4" Cove Base	<1	Chrysotile
022817-B53-4B	Kitchen	Adhesive For Brown 4" Cove Base	<1	Chrysotile
022817-B53-5A	Kitchen	Beige Square Sheet Floor	ND	
022817-B53-5B	Kitchen	Beige Square Sheet Floor	ND	
022817-B53-6A	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
022817-B53-6B	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
022817-B53-7A	Kitchen	Grey/ Red Flooring Under Sheet Floor	ND	
022817-B53-7B	Kitchen	Grey/ Red Flooring Under Sheet Floor	ND	
022817-B53-8A	Kitchen	Black Paper Under Grey Red Sheet Floor	ND	
022817-B53-8B	Kitchen	Black Paper Under Grey Red Sheet Floor	ND	
022817-B53-9A	Basement	Black Paper Under Wood Floor	ND	
022817-B53-9B	Basement	Black Paper Under Wood Floor	ND	



ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705393

**Customer ID:** ATCE54

**Customer PO:** 17-10133-0001

**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108

**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT

**Phone:** (860) 282-9924

**Fax:** (860) 282-9826

**Received Date:** 03/01/2017 11:21 AM

**Analysis Date:** 03/02/2017 - 03/03/2017

**Collected Date:** 02/28/2017

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022817-B53-1A 031705393-0001	BASEMENT - GYPSUM BOARD	Gray Non-Fibrous Homogeneous	6% Cellulose	60% Gypsum 34% Non-fibrous (Other)	None Detected
022817-B53-1B 031705393-0002	KITCHEN - GYPSUM BOARD	Brown/Gray Fibrous Homogeneous	22% Cellulose	50% Gypsum 28% Non-fibrous (Other)	None Detected
022817-B53-2A 031705393-0003	BASEMENT - JOINT COMPOUND	White Non-Fibrous Heterogeneous		45% Ca Carbonate 4% Mica 51% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
022817-B53-2B 031705393-0004	KITCHEN - JOINT COMPOUND	Tan/White Non-Fibrous Homogeneous		35% Ca Carbonate 4% Mica 58% Non-fibrous (Other)	3% Chrysotile
Inseparable paint / coating layer included in analysis					
022817-B53-3A 031705393-0005	KITCHEN - 4" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
022817-B53-3B 031705393-0006	KITCHEN - 4" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		27% Ca Carbonate 73% Non-fibrous (Other)	None Detected
022817-B53-4A 031705393-0007	KITCHEN - ADHESIVE FOR BROWN 4" COVE BASE	Tan/White/Yellow Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	<1% Chrysotile
contamination from inseparable joint compound material					
022817-B53-4B 031705393-0008	KITCHEN - ADHESIVE FOR BROWN 4" COVE BASE	Tan/White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	<1% Chrysotile
contamination from inseparable joint compound material					
022817-B53-5A 031705393-0009	KITCHEN - BEIGE SQUARE SHEET FLOOR	Tan/White Fibrous Heterogeneous	10% Cellulose 3% Glass	10% Ca Carbonate 77% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/03/2017 05:23:32



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705393
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/01/2017 11:21 AM  
**Analysis Date:** 03/02/2017 - 03/03/2017  
**Collected Date:** 02/28/2017

**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022817-B53-5B 031705393-0010	KITCHEN - BEIGE SQUARE SHEET FLOOR	White/Beige Non-Fibrous Homogeneous	18% Cellulose	30% Ca Carbonate 52% Non-fibrous (Other)	None Detected
022817-B53-6A 031705393-0011	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Brown/Yellow Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
022817-B53-6B 031705393-0012	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Yellow Non-Fibrous Homogeneous	2% Cellulose	38% Ca Carbonate 60% Non-fibrous (Other)	None Detected
022817-B53-7A 031705393-0013	KITCHEN - GREY/ RED FLOORING UNDER SHEET FLOOR	Gray/Tan/Red Non-Fibrous Homogeneous	20% Cellulose	10% Ca Carbonate 70% Non-fibrous (Other)	None Detected
022817-B53-7B 031705393-0014	KITCHEN - GREY/ RED FLOORING UNDER SHEET FLOOR	Gray/Red Non-Fibrous Homogeneous	42% Cellulose	58% Non-fibrous (Other)	None Detected
022817-B53-8A 031705393-0015	KITCHEN - BLACK PAPER UNDER GREY RED SHEET FLOOR	Black Fibrous Homogeneous	65% Cellulose 15% Synthetic	20% Non-fibrous (Other)	None Detected
022817-B53-8B 031705393-0016	KITCHEN - BLACK PAPER UNDER GREY RED SHEET FLOOR	Black Fibrous Homogeneous	58% Cellulose 12% Synthetic	30% Non-fibrous (Other)	None Detected
022817-B53-9A 031705393-0017	BASEMENT - BLACK PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
022817-B53-9B 031705393-0018	BASEMENT - BLACK PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	72% Cellulose	28% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/03/2017 05:23:32



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307 West 38th Street New York, NY 10018

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<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705393
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826
<b>Project:</b> 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT	<b>Received Date:</b> 03/01/2017 11:21 AM <b>Analysis Date:</b> 03/02/2017 - 03/03/2017 <b>Collected Date:</b> 02/28/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	03/01/2017	Sample Receipt Time:	11:21 AM
Analysis Completed Date:	03/03/2017	Analysis Completed Time:	3:50 AM

### **Analyst(s):**

Jon Williams PLM (8)

Shahrakur Mahmud PLM (10)

### **Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/03/2017 05:23:32

# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031705393

Cardho ATC Inspector: Alisa Werst Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2/28-17 Project Manager: F. Fennell  
 Signature: Alisa Werst Requested Completion Date: \_\_\_\_\_  
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 18  
 Building: Blk 53 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Basement	gypsum board	Misc				1	022817-1553-1A
Kitchen	Joint compound					2	1B
Basement	4" brown cave base					1	2A
Kitchen	adhesive for 4" brown cave base					2	2B
	Beige square sheet Floor					1	3A
	adhesive for beige square sheet Floor					2	3B
	gray red flooring under sheet Floor					1	4A
	Black paper under gray red sheet Floor					2	4B
						1	5A
						2	5B
						1	6A
						2	6B
						1	7A
						2	7B
						1	8A
						2	8B

Comments: PCM U.S. 3/2/17 330f

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft. 1-6ft. >6ft) Accessibility (within reach-barely-reachable-not reachable)  
 Ventilation (yes-no; if yes, type) Air conduits (at plenum - air shaft - elevator shaft-duct)

Relinquished By/Date: Alisa Werst 2-28-17 Received By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

Manhattan Lab RECEIVED 17 MAR - 11 AM 11:21 AM  
 Friability (yes-no; hard-mod-soft surface) \_\_\_\_\_  
 Barriers (perm airtight-enclosed-encapsulated) \_\_\_\_\_  
 Texture (rough-pitted-moderate-smooth) \_\_\_\_\_

FR 81001 9890 0001

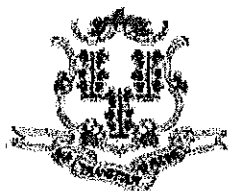
3/13/17 3:45 am



**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---





State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

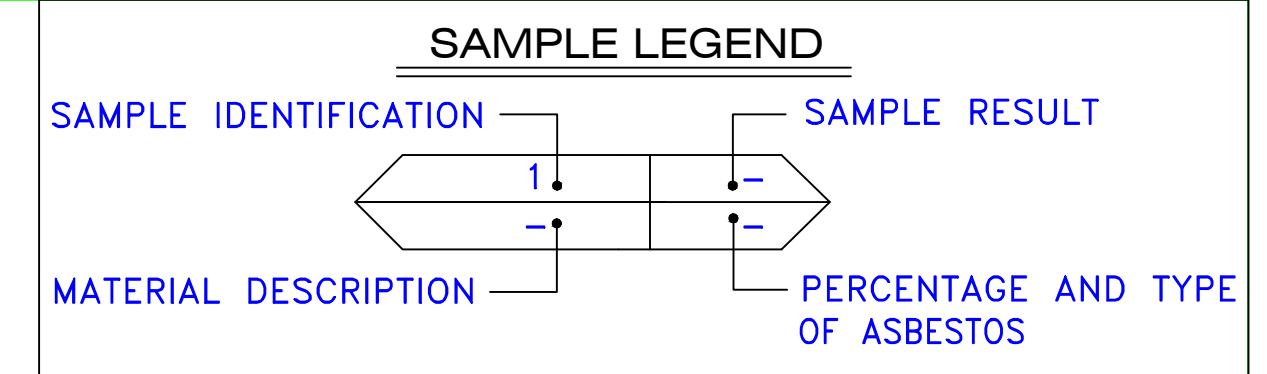
Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**





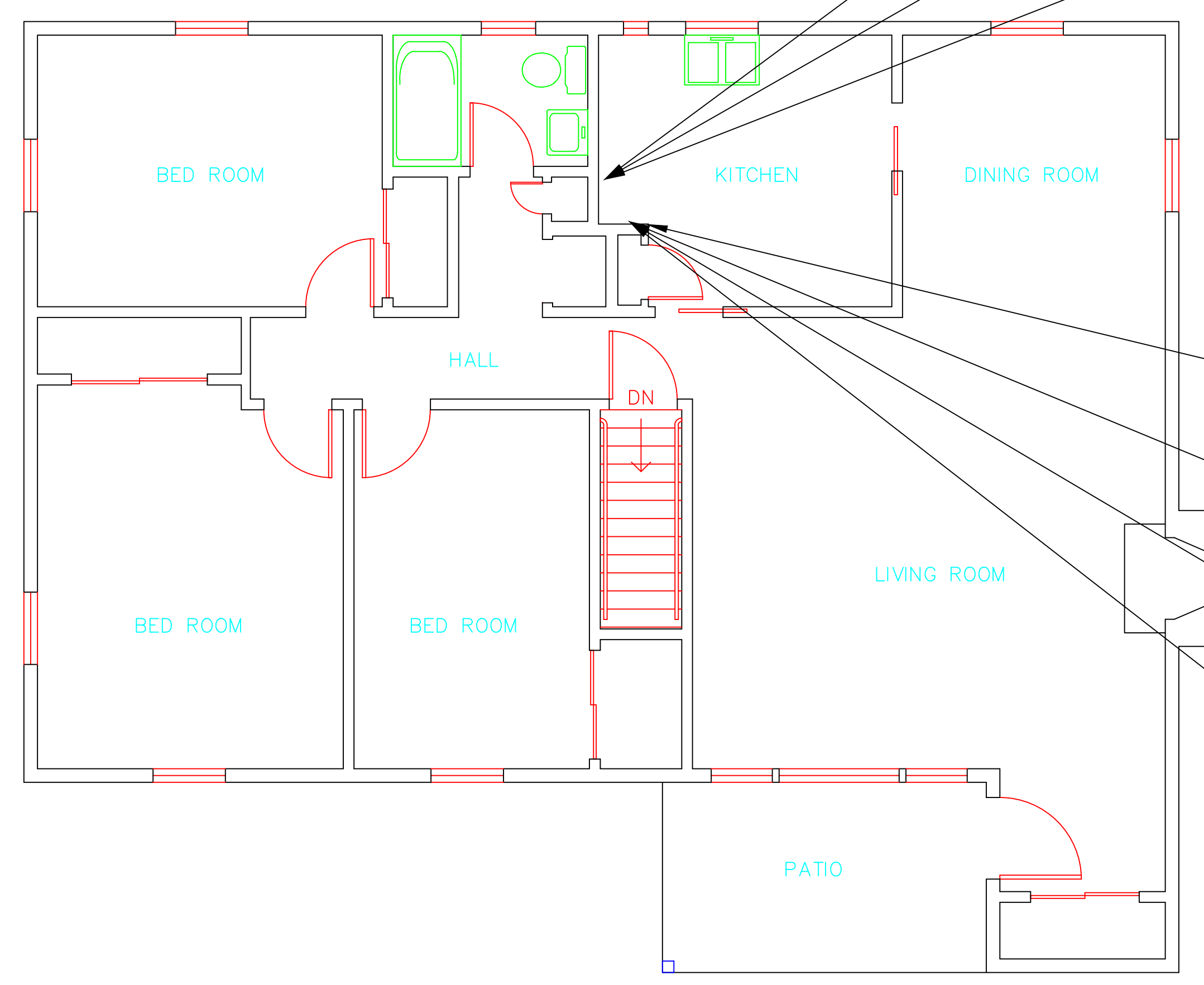
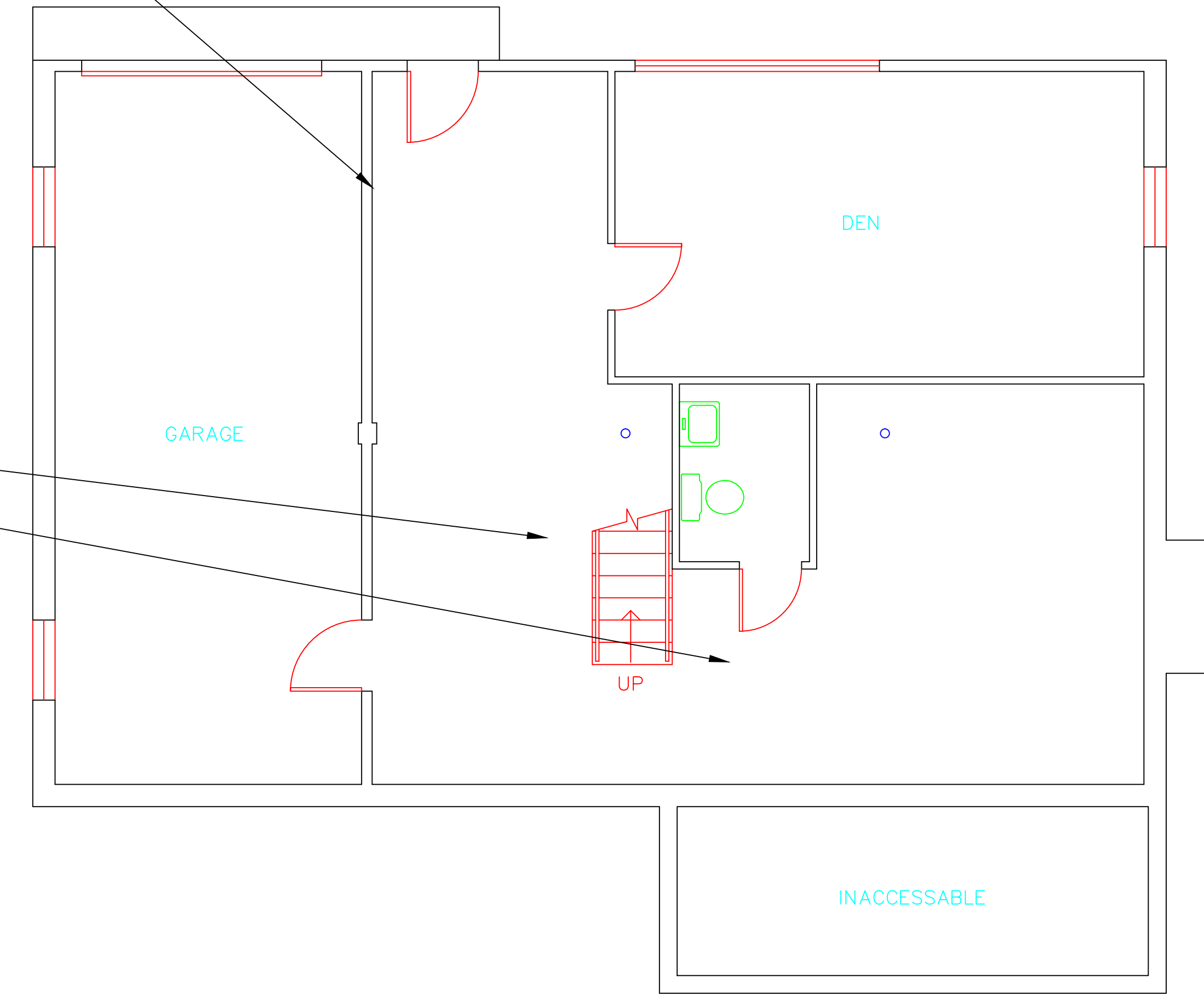
- AM = AMOSITE
- BI = BREECING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CTFG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- FJF = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE FITTING INSULATION
- PII = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

022817-853-1A	NAD
GB	-
022817-853-2A	NAD
JC	-

022817-853-3A	NAD
CB	-
022817-853-4A	NAD
CBA	-
022817-853-5A	NAD
LI	-
022817-853-6A	NAD
LIA	-
022817-853-7A	NAD
LI	-
022817-853-8A	NAD
MM	-

022817-853-9A	NAD
MM	-
022817-853-9B	NAD
MM	-

022817-853-1B	NAD
GB	-
022817-853-2B	P
JC	3% CH
022817-853-3B	NAD
CB	-
022817-853-4B	NAD
CBA	-
022817-853-5B	NAD
LI	-
022817-853-6B	NAD
LIA	-
022817-853-7B	NAD
LI	-
022817-853-8B	NAD
MM	-



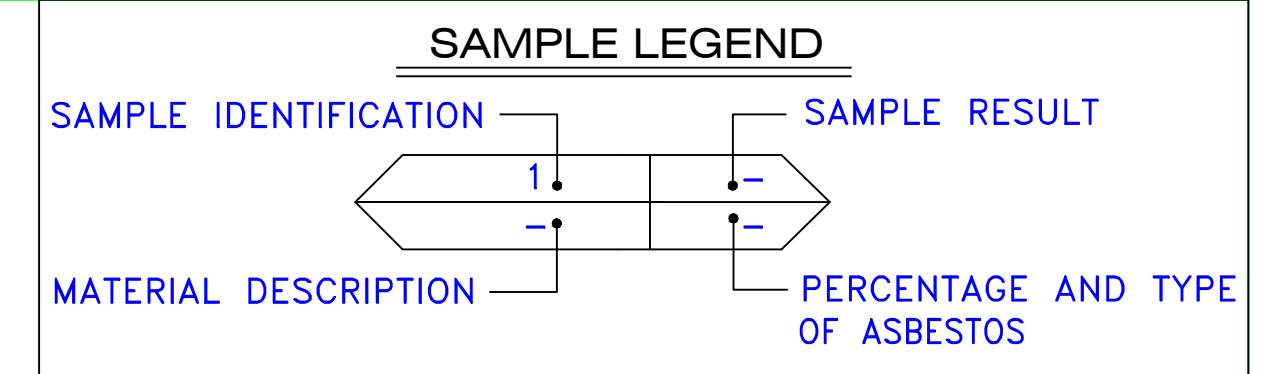
SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING

-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

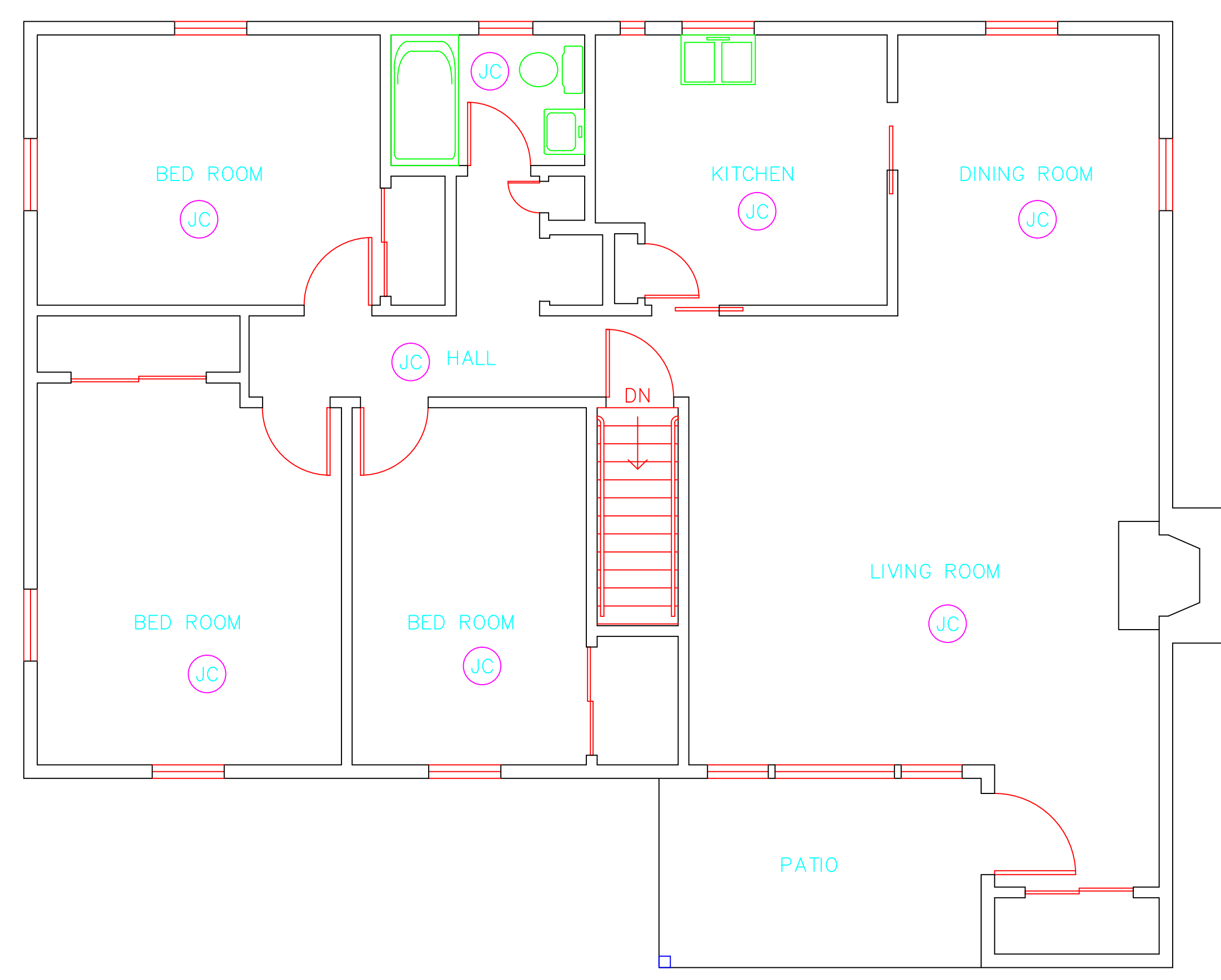
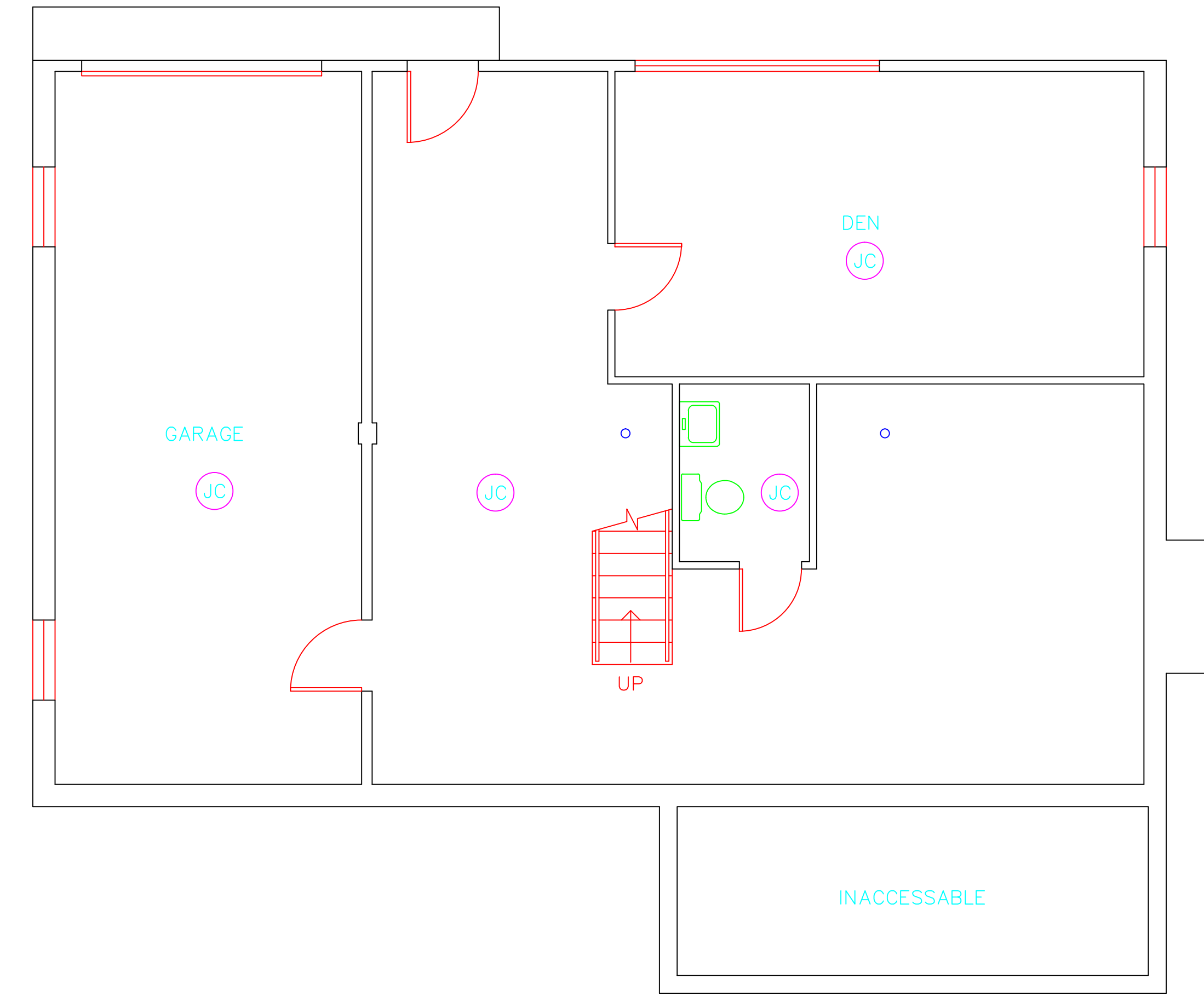
drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
SAMPLE LOCATION FLOOR PLAN		ATC 200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-405-2000	
REVISIONS		date: 3/17/17	
mark	date	description	SCALE: 1/4" = 1'
			drawn by: AMW
			approved by: EF
			drawing no. ASB-1A
CAD no.	project no.	2257316087	



- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CTFG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PI = PIPE FITTING INSULATION
- PIA = PIPE INSULATION
- PIB = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING



drawing title <b>ACM LOCATION FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
project		<b>ATC</b> ENVIRONMENTAL - GEOTECHNICAL ENGINEERING - MATERIAL TESTING	SCALE: 1/4" = 1'
project		BUILDING INSPECTION RESIDENCE BUILDING 53 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW
CAD no.		project no. 2257316087	approved by EF
			drawing no. ASB-1B



---

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 54  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53360  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Residence, Building 54, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



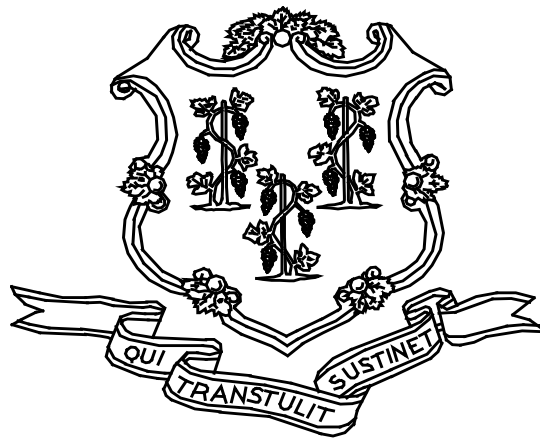
---

Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 54  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53360  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**



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7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in Building 54 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 28, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: sheet flooring and associated adhesive, cove base and associated adhesive, paper under wood floor, gypsum board and joint compound.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Joint Compound

Those materials that contain less than 1% asbestos are as follows:

- Joint Compound

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Gypsum Wall Board
- Beige Square Sheet Floor
- Adhesive for Beige Square Sheet Floor
- Green Flooring Under Sheet Floor
- Black Paper Under Green Flooring
- Black Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 54-RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022817-B54-1A	Basement	Gypsum Board	ND	
022817-B54-1B	Kitchen	Gypsum Board	ND	
022817-B54-2A	Basement	Joint Compound	<1	Chrysotile
<b>022817-B54-2B</b>	<b>Kitchen</b>	<b>Joint Compound</b>	<b>3</b>	<b>Chrysotile</b>
022817-B54-3A	Kitchen	Beige Square Sheet Floor	ND	
022817-B54-3B	Kitchen	Beige Square Sheet Floor	ND	
022817-B54-4A	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
022817-B54-4B	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
022817-B54-5A	Kitchen	Green Flooring Under Sheet Floor	ND	
022817-B54-5B	Kitchen	Green Flooring Under Sheet Floor	ND	
022817-B54-6A	Kitchen	Black Paper Under Green Flooring	ND	
022817-B54-6B	Kitchen	Black Paper Under Green Flooring	ND	
022817-B54-7A	Basement	Black Paper Under Wood Floor	ND	
022817-B54-7B	Basement	Black Paper Under Wood Floor	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705377
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/01/2017 11:28 AM  
**Analysis Date:** 03/02/2017 - 03/03/2017  
**Collected Date:** 02/28/2017

**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT/ BLDG #54

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022817-B54-1A 031705377-0001	BASEMENT - GYPSUM BOARD	Brown/White Non-Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
022817-B54-1B 031705377-0002	KITCHEN - GYPSUM BOARD	Gray Non-Fibrous Homogeneous	5% Cellulose	70% Gypsum 25% Non-fibrous (Other)	None Detected
022817-B54-2A 031705377-0003	BASEMENT - JOINT COMPOUND	Tan/White Non-Fibrous Heterogeneous		15% Ca Carbonate 2% Mica 83% Non-fibrous (Other)	<1% Chrysotile
Inseparable paint / coating layer included in analysis					
022817-B54-2B 031705377-0004	KITCHEN - JOINT COMPOUND	White Non-Fibrous Homogeneous		35% Ca Carbonate 62% Non-fibrous (Other)	3% Chrysotile
022817-B54-3A 031705377-0005	KITCHEN - BEIGE SQUARE SHEET FLOOR	Tan/White Fibrous Heterogeneous	20% Cellulose 5% Glass	10% Ca Carbonate 65% Non-fibrous (Other)	None Detected
022817-B54-3B 031705377-0006	KITCHEN - BEIGE SQUARE SHEET FLOOR	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
022817-B54-4A 031705377-0007	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Brown/Yellow Fibrous Heterogeneous	30% Cellulose	20% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
022817-B54-4B 031705377-0008	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Yellow Non-Fibrous Homogeneous	18% Cellulose	82% Non-fibrous (Other)	None Detected
022817-B54-5A 031705377-0009	KITCHEN - GREEN FLOORING UNDER SHEET FLOOR	Brown/Green Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Initial report from: 03/03/2017 11:00:00





# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705377
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/01/2017 11:28 AM  
**Analysis Date:** 03/02/2017 - 03/03/2017  
**Collected Date:** 02/28/2017

**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT/ BLDG #54

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022817-B54-5B 031705377-0010	KITCHEN - GREEN FLOORING UNDER SHEET FLOOR	Black Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
022817-B54-6A 031705377-0011	KITCHEN - BLACK PAPER UNDER GREEN FLOORING	Brown/Green Fibrous Heterogeneous	45% Cellulose 25% Synthetic	30% Non-fibrous (Other)	None Detected
022817-B54-6B 031705377-0012	KITCHEN - BLACK PAPER UNDER GREEN FLOORING	Brown Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
022817-B54-7A 031705377-0013	BASEMENT - BLACK PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
022817-B54-7B 031705377-0014	BASEMENT - BLACK PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected

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Initial report from: 03/03/2017 11:00:00



**EMSL Analytical, Inc.**

307 West 38th Street New York, NY 10018  
Tel/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031705377  
**Customer ID:** ATCE54  
**Customer PO:** 17-10133-0001  
**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT/ BLDG #54

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/01/2017 11:28 AM  
**Analysis Date:** 03/02/2017 - 03/03/2017  
**Collected Date:** 02/28/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 03/01/2017      Sample Receipt Time: 11:28 AM  
Analysis Completed Date: 03/03/2017      Analysis Completed Time: 5:36 AM

**Analyst(s):**

Ghaly Hemaya PLM (7)

Jon Williams PLM (7)

**Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Initial report from: 03/03/2017 11:00:00



# BULK SAMPLE LOG

031705377

Page 1 of 1  
 290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: Alisa Wersf Client Name: CTDCS  
 Accreditation No.: 736 Project No./Task No.: 2257316087  
 Survey Date: 2-28-17 Project Manager: E. Fennell  
 Signature: Alisa Wersf Requested Completion Date:  
 Lab Name: EMSC Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY  
 Building: Bld 521 Address: Veterans Home, Rocky Hill CT No. Samples Collected 14

Location	Material Description	Type	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of homogeneous material	Field Number
Basement	Gypsum board	Misc				1	2
Kitchen	Joint compound					1	2
Basement	Beige square sheet floor					1	2
Kitchen	adhesive for beige square sheet floor					1	2
	green flooring under sheet floor					1	2
	Black paper under green flooring					1	2
Basement	Black paper under green flooring					1	2
	Black paper under wood floor					1	2

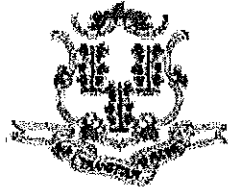
Comments: PCM US

Notes:  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)  
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely-reachable-not-reachable) Air movement (high-moderate-low)  
 Relinquished By/Date: Alisa Wersf 2-28-17  
 Relinquished By/Date: Alisa Wersf 2-28-17  
 Received By/Date: RODUNSKI 3/1/17 11:22AM

FR 8109 9896 8221

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

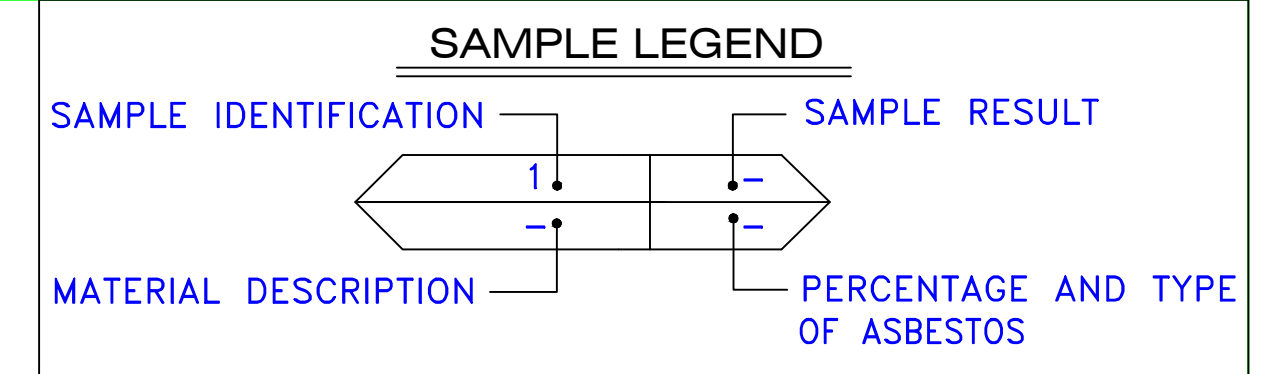
Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**





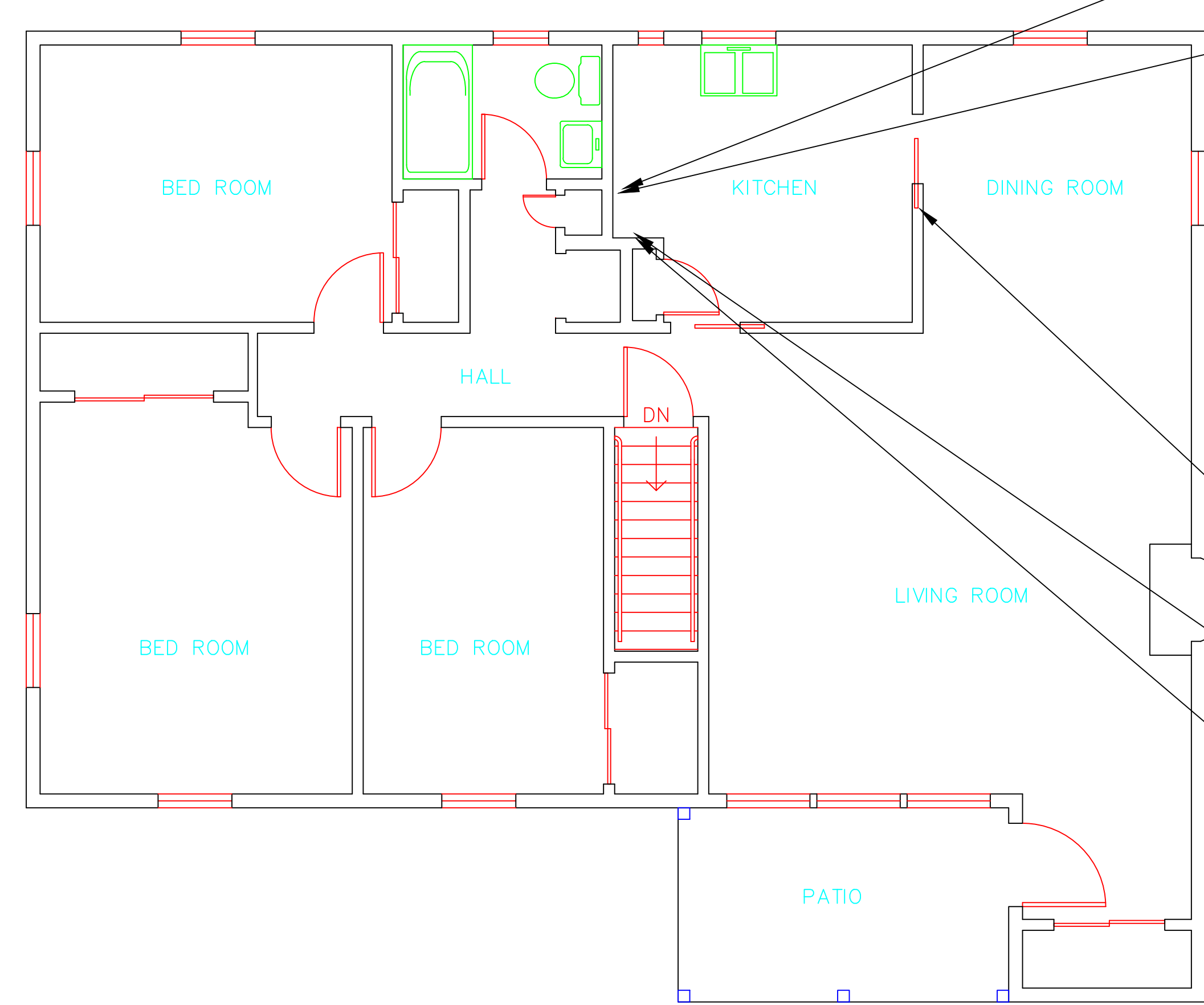
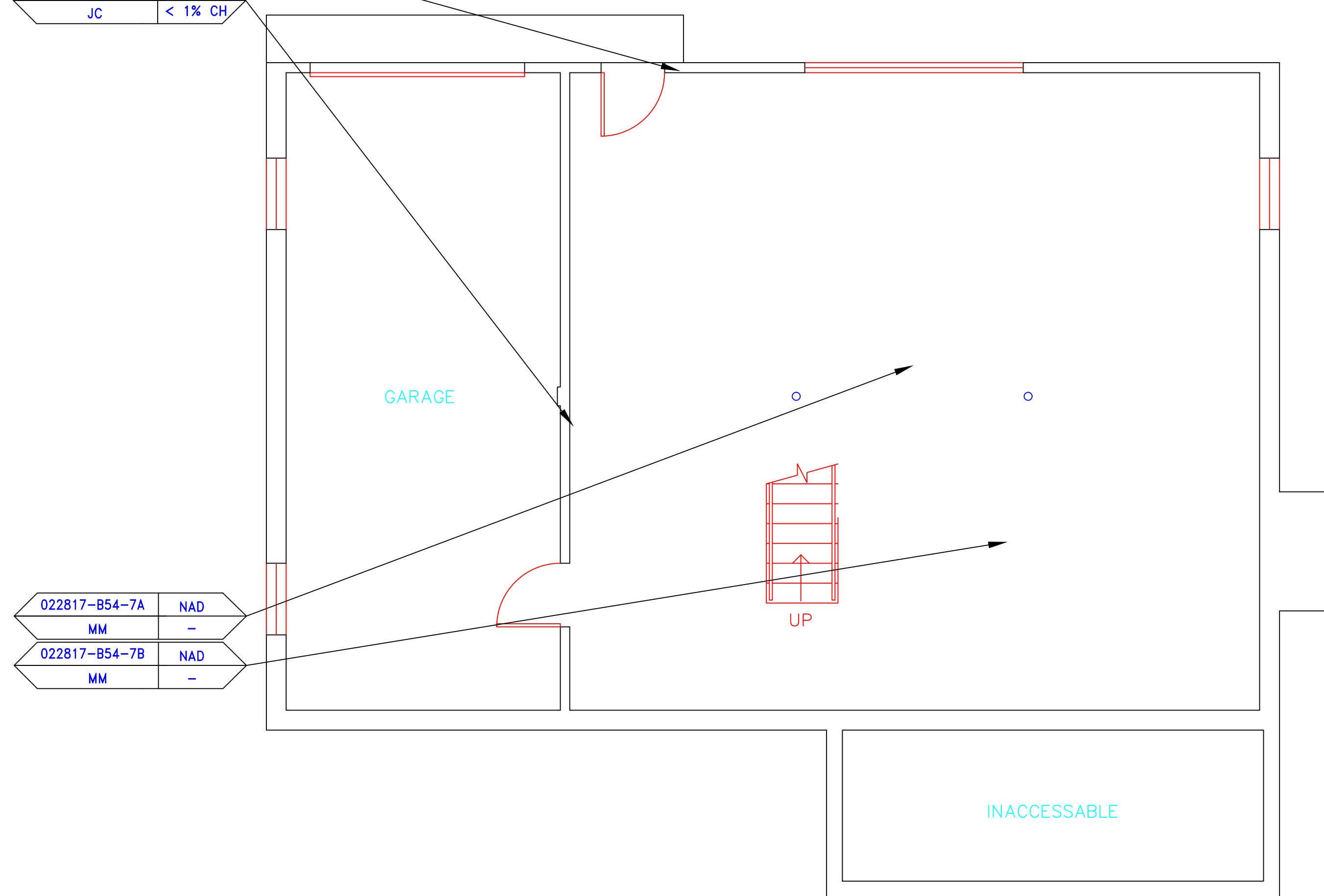
AM	=	AMOSITE
BI	=	BREECHING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSOTILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPNUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

022817-854-1A	NAD
GB	-
022817-854-2A	NAD
JC	< 1% CH

022817-854-7A	NAD
MM	-
022817-854-7B	NAD
MM	-

022817-854-3A	NAD
LI	-
022817-854-4A	NAD
LIA	-
022817-854-5A	NAD
LI	-
022817-854-6A	NAD
MM	-

022817-854-1B	NAD
GB	-
022817-854-2B	P
JC	3% CH
022817-854-3B	NAD
LI	-
022817-854-4B	NAD
LIA	-
022817-854-5B	NAD
LI	-
022817-854-6B	NAD
MM	-

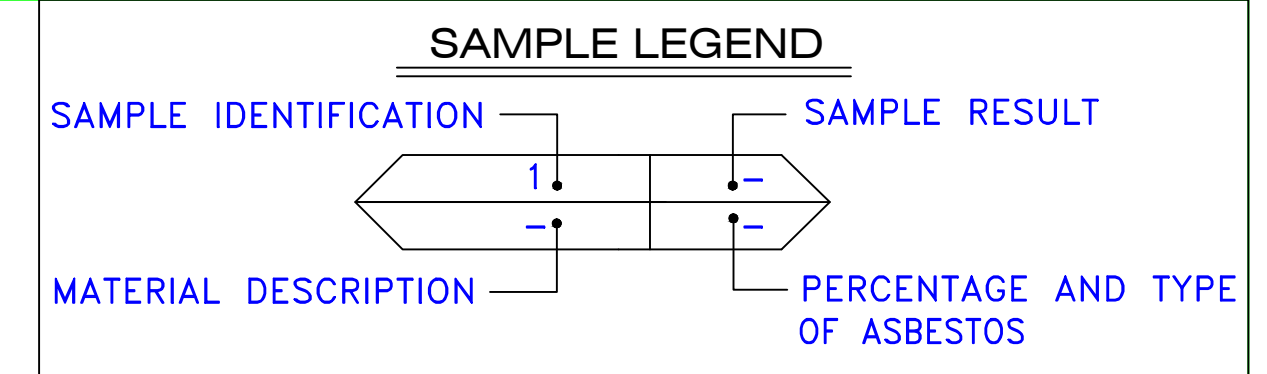


SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>SAMPLE LOCATION FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		DATE 3/17/17	
mark	date	description	SCALE 1/4" = 1'
project		drawn by AMW	
project		approved by EF	
drawing no.		drawing no. ASB-1A	
CAD no.	project no.	2257316087	

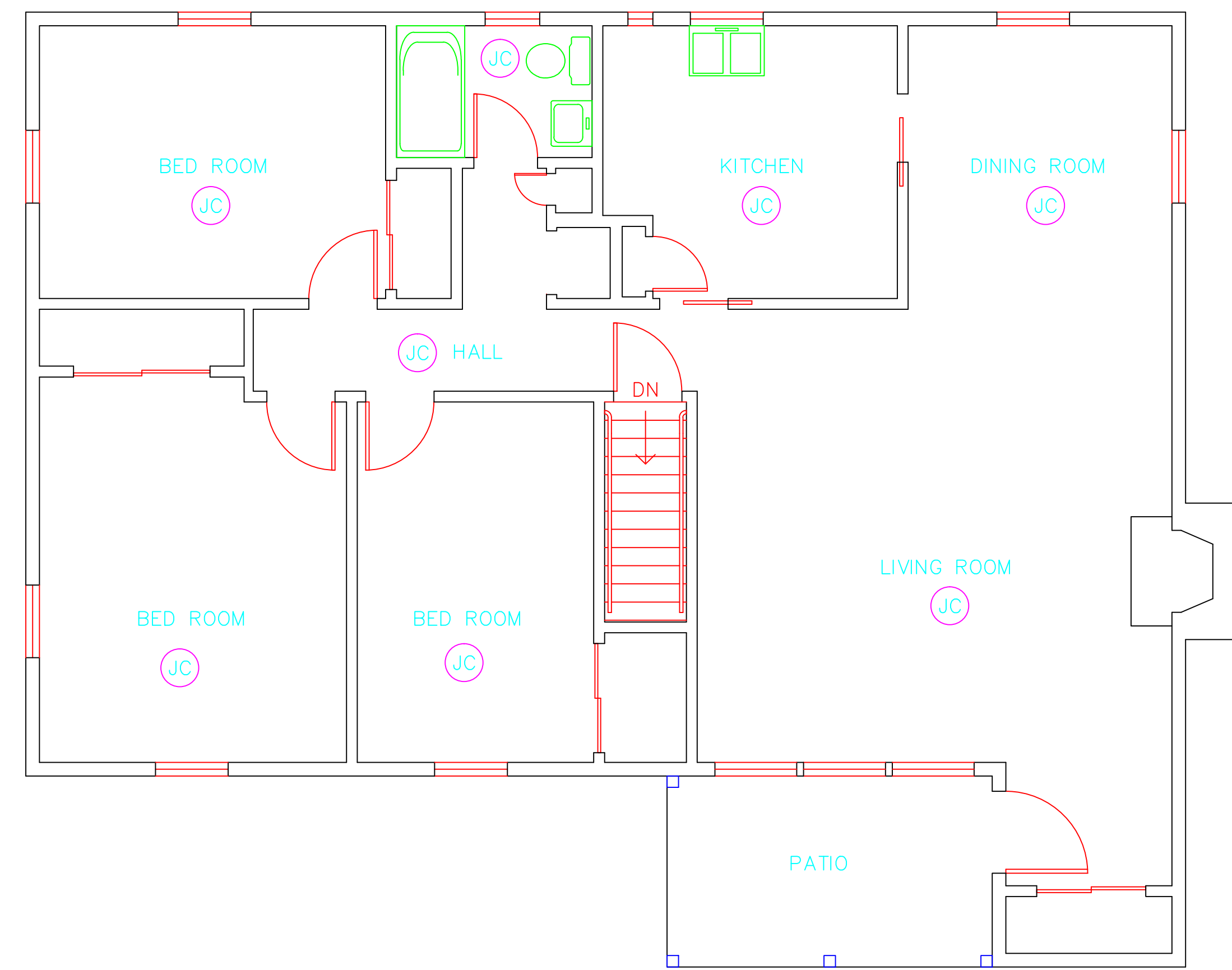
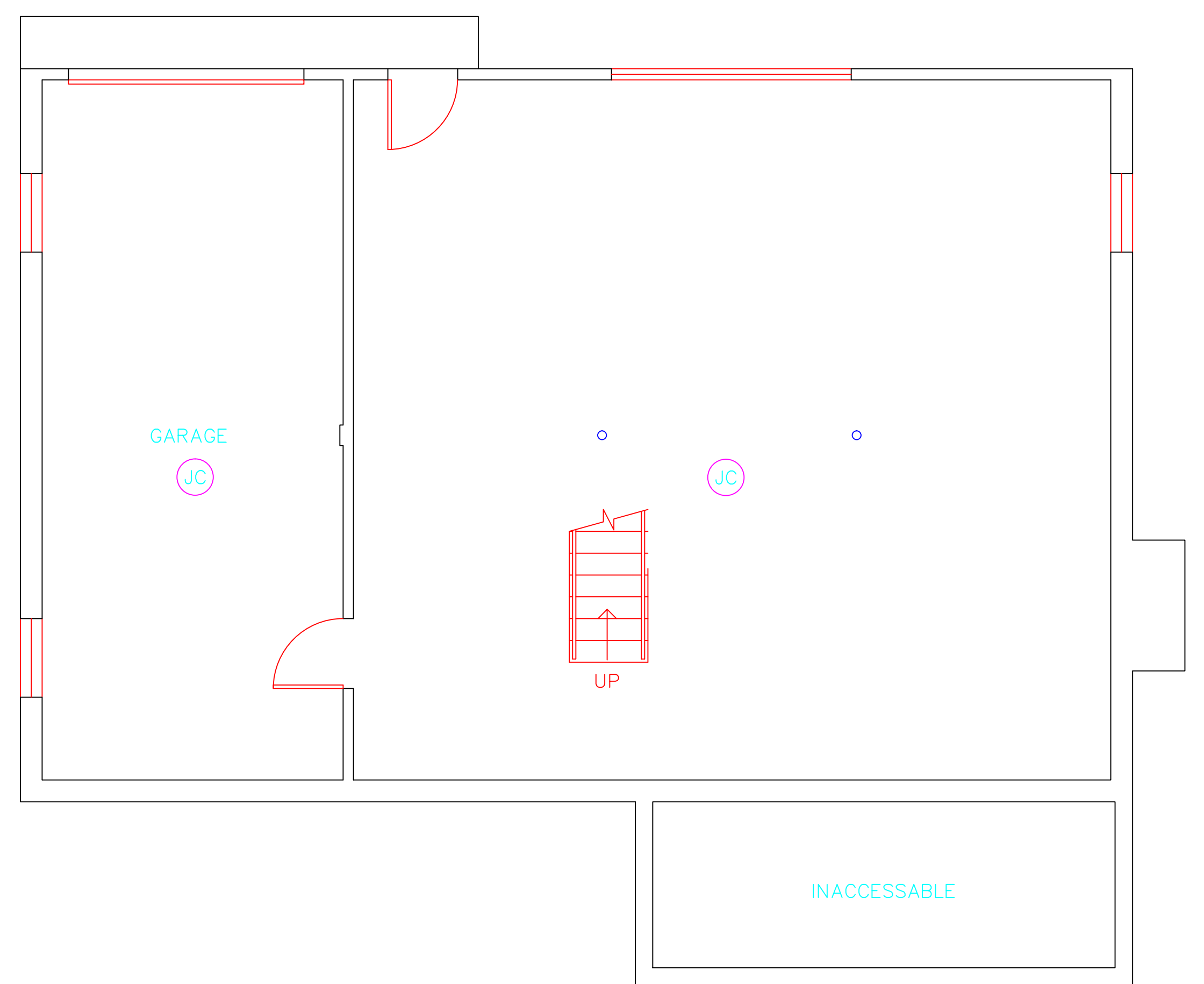




- AM = AMOSITE
- BI = BREECHING INSULATION
- CA = CARPET ADHESIVE
- CB = COVE BASE
- CBA = COVE BASE ADHESIVE
- CC = CEMENTITIOUS CEILING
- CFTA = CERAMIC FLOOR TILE ADHESIVE
- CTFG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
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- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
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SYMBOL	MATERIAL DESCRIPTION
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	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
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 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS



drawing title <b>ACM LOCATION FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 East Windsor, CT 06026 Environmental - Technical BUILDING SERVICES - MATERIALS SECTION	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 54 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no.	drawn by AMW
		2257316087	approved by EF
			drawing no. ASB-1B





ENVIRONMENTAL • GEOTECHNICAL  
BUILDING SCIENCES • MATERIALS TESTING

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
Telephone 860-282-9924  
Fax 860-282-9826  
www.atcgroupservices.com

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 55  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53344  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for Building 55, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**

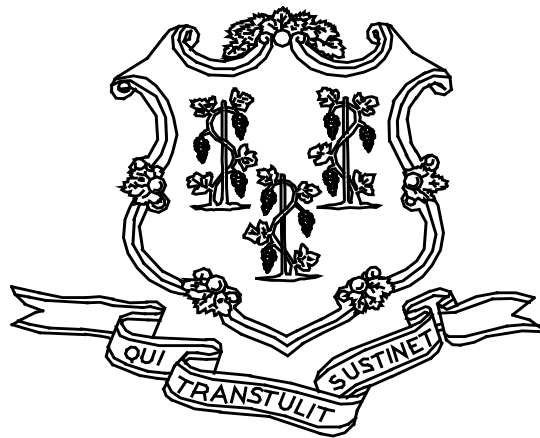
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 55  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 55344  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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3.0	ASBESTOS-CONTAINING MATERIALS
4.0	DISCUSSION AND RECOMMENDATIONS
5.0	LIMITATIONS
6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Residence, Building 55 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 28, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: sheet flooring and associated adhesive, cove base and associated adhesive, paper under wood floor, gypsum board and joint compound.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Joint Compound

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Gypsum Wall Board
- Beige Square Sheet Floor
- Adhesive for Beige Square Sheet Floor
- 4" Brown Cove Base
- Adhesive for 4" Brown Cove Base
- Black Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.



## 6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPENDED PECT MATERIALS  
STATE VETERANS HOME  
BUILDING 55-RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022817-B55-1A	Basement	Gypsum Board	ND	
022817-B55-1B	Dining Room	Gypsum Board	ND	
<b>022817-B55-2A</b>	<b>Basement</b>	<b>Joint Compound</b>	<b>3</b>	<b>Chrysotile</b>
022817-B55-2B	Dining Room	Joint Compound	ND	
022817-B55-3A	Basement	Black Paper Under Wood Floor	ND	
022817-B55-3B	Basement	Black Paper Under Wood Floor	ND	
022817-B55-4A	Kitchen	4" Brown Cove Base	ND	
022817-B55-4B	Kitchen	4" Brown Cove Base	ND	
022817-B55-5A	Kitchen	Adhesive For 4" Brown Cove Base	ND	
022817-B55-5B	Kitchen	Adhesive For 4" Brown Cove Base	ND	
022817-B55-6A	Kitchen	Beige Square Sheet Floor	ND	
022817-B55-6B	Kitchen	Beige Square Sheet Floor	ND	
022817-B55-7A	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
022817-B55-7B	Kitchen	Adhesive For Beige Square Sheet Floor	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705389
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/01/2017 11:23 AM  
**Analysis Date:** 03/02/2017 - 03/03/2017  
**Collected Date:** 02/28/2017

**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL CT/ BLDG 55

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022817-B55-1A 031705389-0001	BASEMENT - GYPSUM BOARD	Brown/White Non-Fibrous Homogeneous	17% Cellulose	55% Gypsum 28% Non-fibrous (Other)	None Detected
022817-B55-1B 031705389-0002	DINING ROOM - GYPSUM BOARD	Brown/White Non-Fibrous Homogeneous	12% Cellulose	65% Gypsum 23% Non-fibrous (Other)	None Detected
022817-B55-2A 031705389-0003	BASEMENT - JOINT COMPOUND	Tan/White Non-Fibrous Heterogeneous		35% Ca Carbonate 4% Mica 58% Non-fibrous (Other)	3% Chrysotile
Inseparable paint / coating layer included in analysis					
022817-B55-2B 031705389-0004	DINING ROOM - JOINT COMPOUND	Brown/White Non-Fibrous Homogeneous	18% Cellulose	35% Ca Carbonate 47% Non-fibrous (Other)	None Detected
022817-B55-3A 031705389-0005	BASEMENT - BLACK PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
022817-B55-3B 031705389-0006	BASEMENT - BLACK PAPER UNDER WOOD FLOOR	Black Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
022817-B55-4A 031705389-0007	KITCHEN - 4" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
022817-B55-4B 031705389-0008	KITCHEN - 4" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
022817-B55-5A 031705389-0009	KITCHEN - ADHESIVE FOR 4" BROWN COVE BASE	Tan/Yellow Fibrous Heterogeneous	10% Cellulose	20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Initial report from: 03/03/2017 10:53:27



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705389
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826

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**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL CT/ BLDG 55

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022817-B55-5B 031705389-0010	KITCHEN - ADHESIVE FOR 4" BROWN COVE BASE	Tan Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
022817-B55-6A 031705389-0011	KITCHEN - BEIGE SQUARE SHEET FLOOR	Tan/White Fibrous Heterogeneous	20% Cellulose 8% Glass	72% Non-fibrous (Other)	None Detected
022817-B55-6B 031705389-0012	KITCHEN - BEIGE SQUARE SHEET FLOOR	Tan Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
022817-B55-7A 031705389-0013	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
022817-B55-7B 031705389-0014	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Initial report from: 03/03/2017 10:53:27



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705389
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826
<b>Project:</b> 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL CT/ BLDG 55	<b>Received Date:</b> 03/01/2017 11:23 AM <b>Analysis Date:</b> 03/02/2017 - 03/03/2017 <b>Collected Date:</b> 02/28/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	03/01/2017	Sample Receipt Time:	11:23 AM
Analysis Completed Date:	03/03/2017	Analysis Completed Time:	10:15 AM

### Analyst(s):

Ghaly Hemaya PLM (6)

Jon Williams PLM (7)

Kamel Alawanda PLM (1)

### Samples Reviewed and approved by:

James Hall, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Initial report from: 03/03/2017 10:53:27



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031705389

Cardno ATC Inspector: <b>Alisa Wert</b>		Client Name: <b>CTDCS</b>					
Accreditation No.: <b>736</b>		Project No./Task No.: <b>2257316087</b>					
Survey Date: <b>2-28-17</b>		Project Manager: <b>E. Fennell</b>					
Signature: <i>Alm Wert</i>		Requested Completion Date:					
Lab Name: <b>EMSC</b>	Requested turnaround time (circle): <b>3 HR</b> 6 HR 24 HR 48 HR 3 DY 5 DY	No. Samples Collected: <b>14</b>					
Building: <b>Bldg 55</b>	Address: <b>Veterans Home, Rocky Hill CT</b>						
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Basement <del>Piping Room</del>	Gypsum Board	Misc				1	022817-B55-1A
Basement <del>Piping Room</del>	Joint compound					2	2A
Basement	Black paper under wood Floor					2	2B
Basement	4" Brown cavebait					2	3A
Kitchen	adhesive for 4" Brown cavebait					2	3B
	Beige square sheet Floor					2	4A
	adhesive for Beige square Sheet Floor					2	4B
						2	5A
						2	5B
						2	6A
						2	6B
						2	7A
						2	7B

MANHATTAN LAB  
 RECEIVED  
 17 MAR -  
 AM 11:23

PCM US  
 3/2/17 445P

Received By/Date:  
 Received By/Date:

Relinquished By/Date:  
 Relinquished By/Date:

Notes  
 Damage Factors:  
 Disturbance Factors:  
 Physical (sig dmg-dmg-no dmg)  
 Proximity (<1ft -1-6ft ->6ft)  
 Ventilation (yes/no; if yes, type)

Reliability (yes-no; hard-mod-soft surface)  
 Barriers (perm airtight-enclosed-encapsulated)  
 Texture (rough-pitted-moderate-smooth)

Received By/Date: **RDOUNSKI 3/1/17 11:23AM**

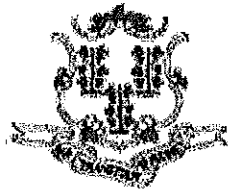
Received By/Date:

FX 809 9890 8881

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---





State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

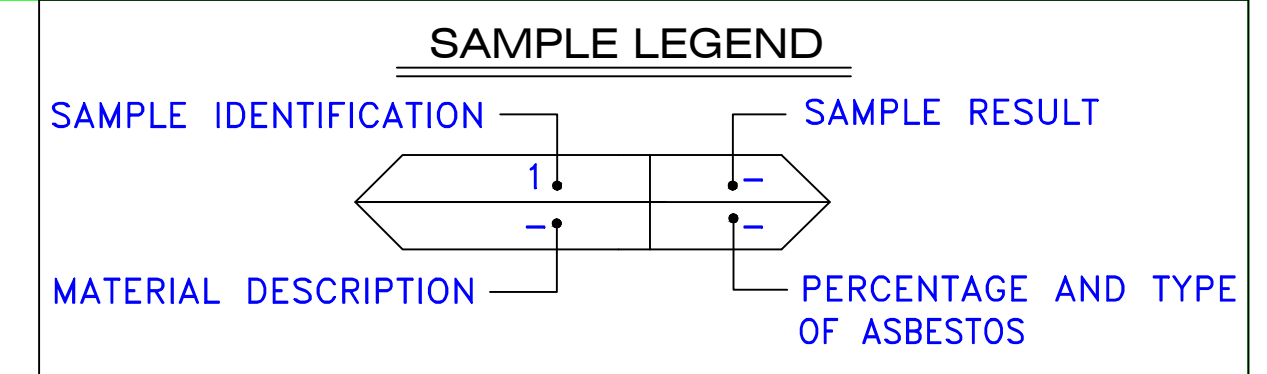
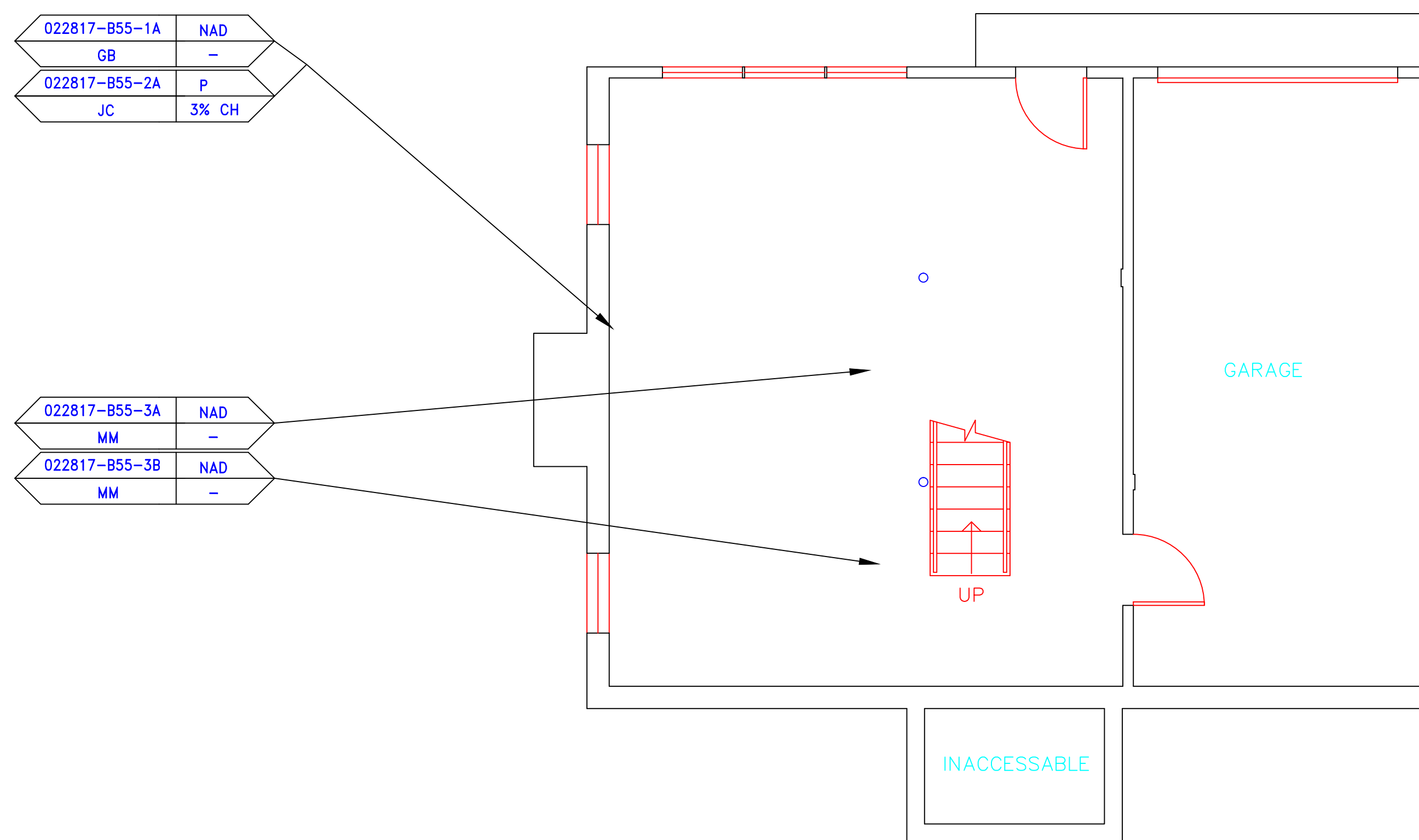
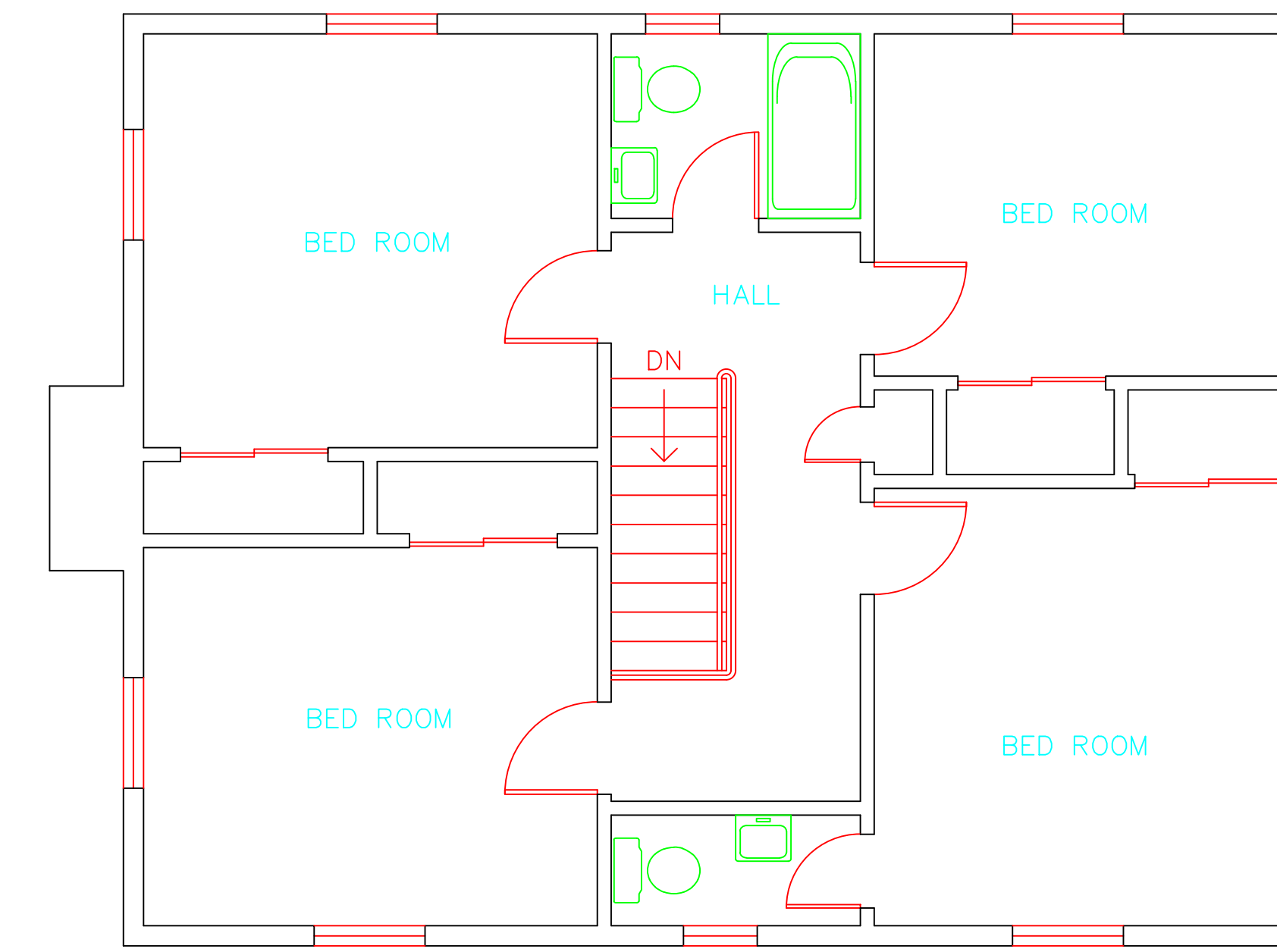
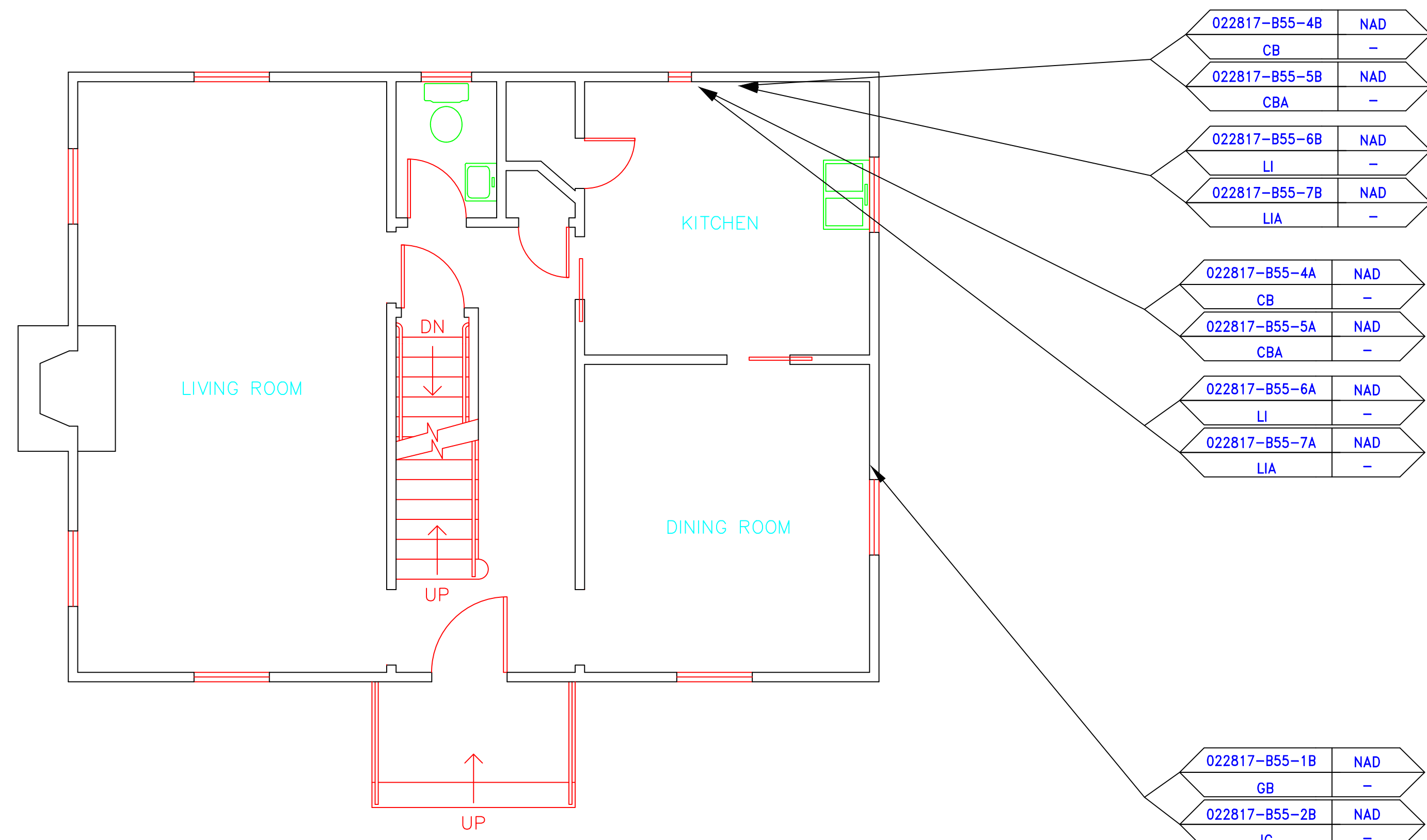
Certificate Number

October 13, 2016

Examination Date

**APPENDIX B**  
**DRAWINGS**



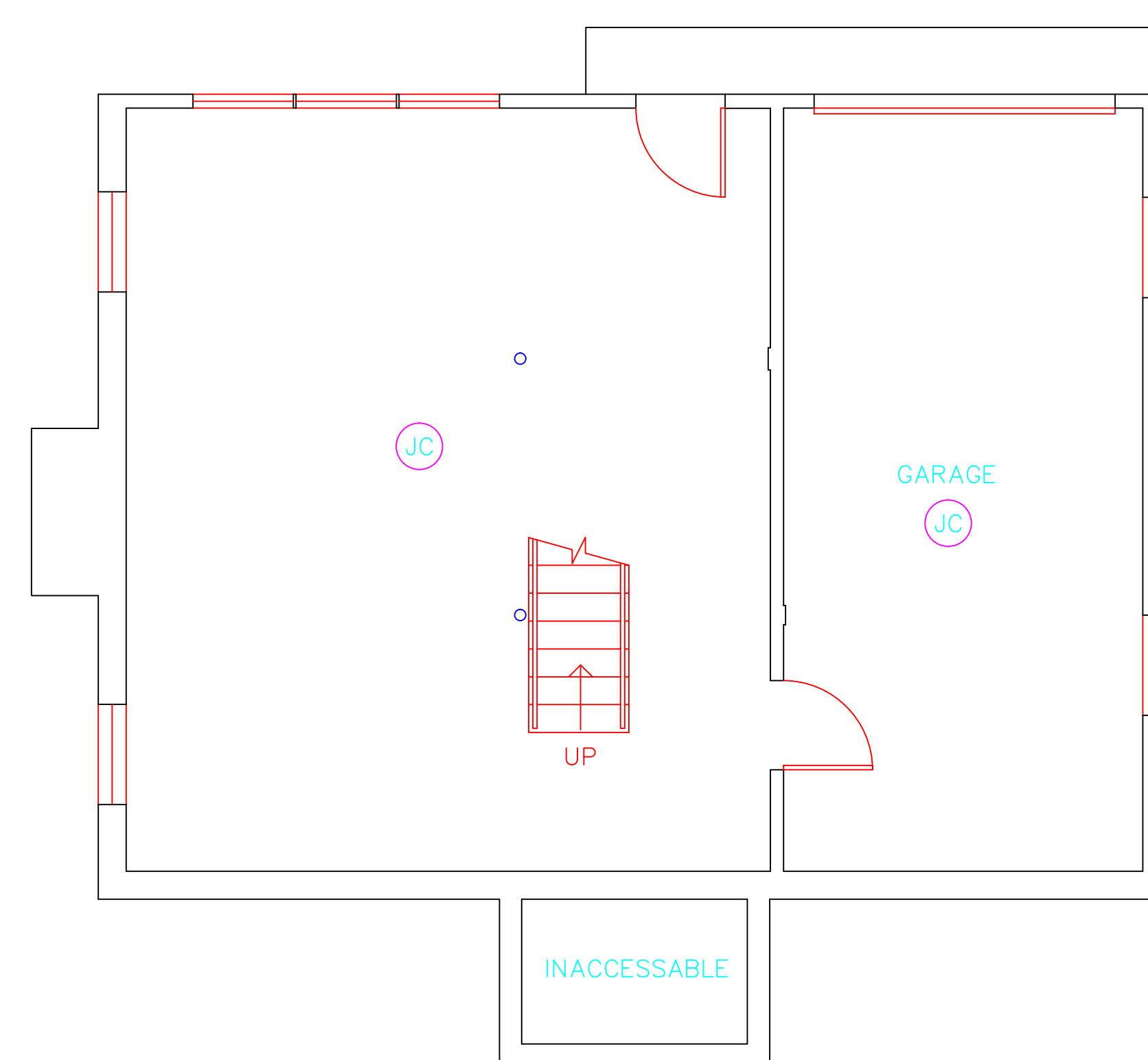
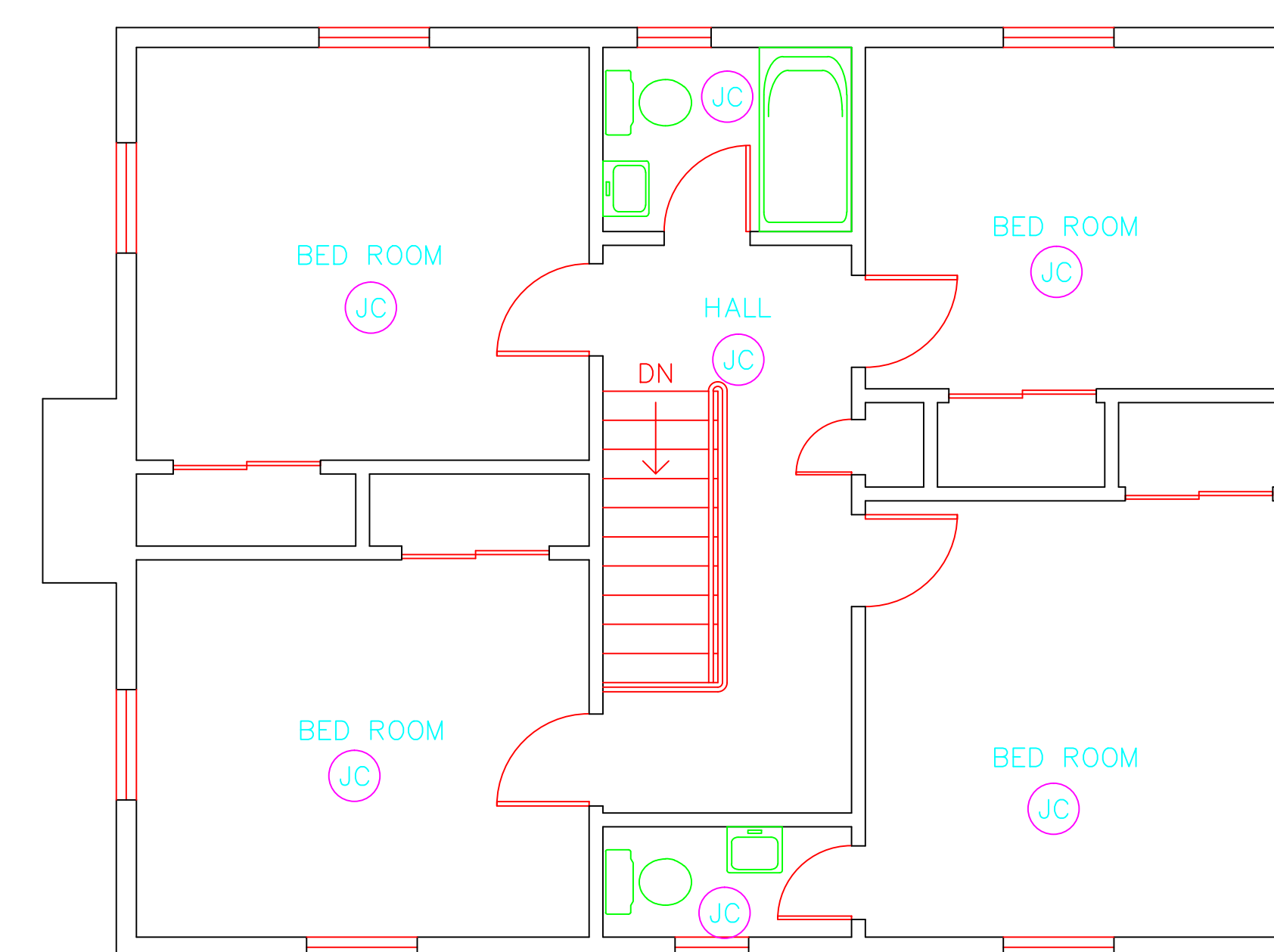
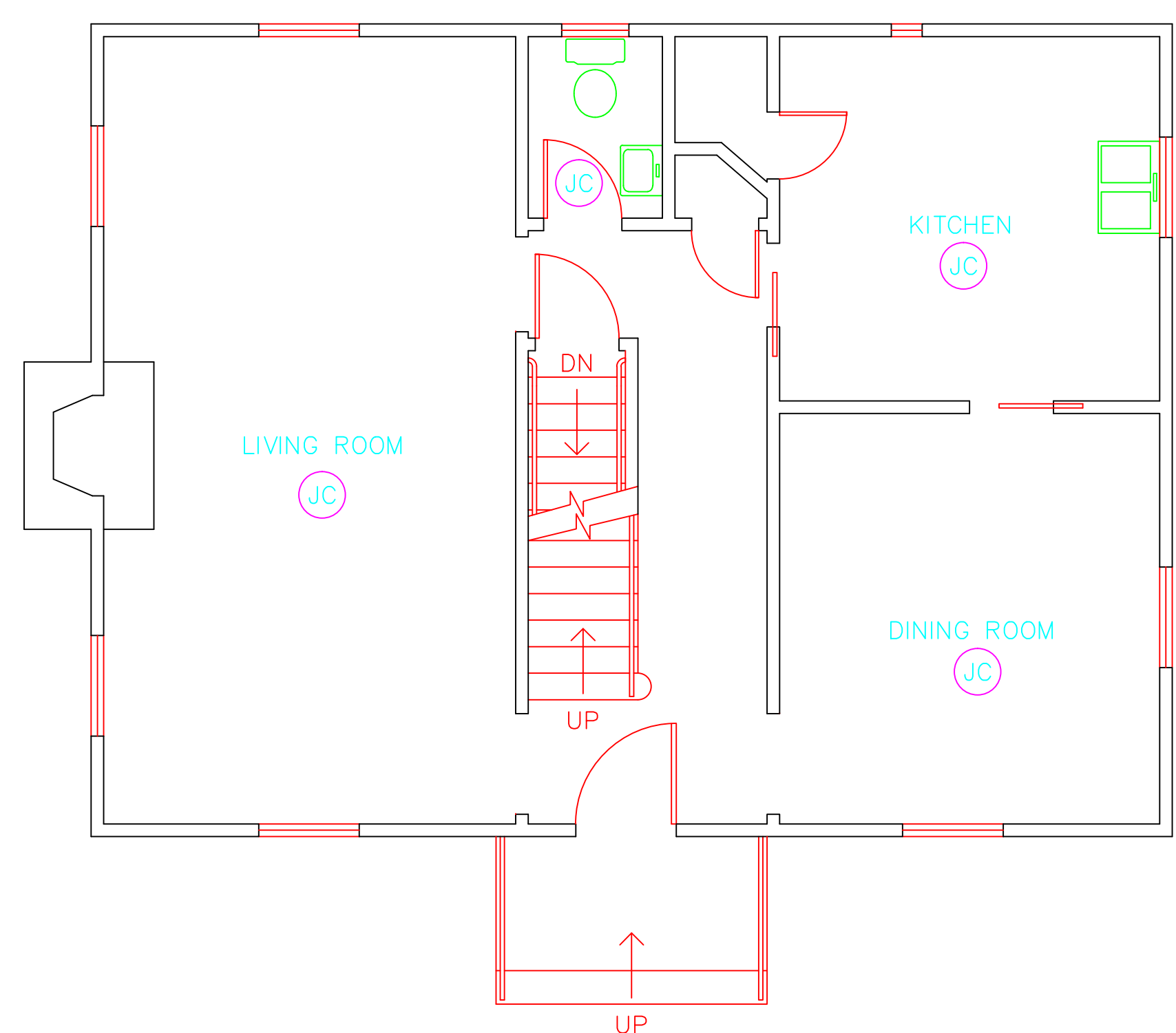


SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
AM	= AMOSITE
BI	= BREECHING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECP	= END CAP PACKING
ECS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EFJ	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>SAMPLE LOCATION FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		ATC 200 Roberts Street - Suite 301 East Windsor, CT 06026 Phone: 860-255-3200 Fax: 860-255-3201	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 55 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		project no.	ASB-1A
		2257316087	drawn by AMW approved by EF



SAMPLE LEGEND	
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MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS
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PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
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PLCS	= PLASTER CEILING SKIM COAT
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[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>ACM LOCATION FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
project		<b>ATC</b> ENVIRONMENTAL - METEOROLOGICAL BUILDING SUBJECTS - MATERIALS TESTING	SCALE: 1/4" = 1'
project		BUILDING INSPECTION RESIDENCE BUILDING 55 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW
CAD no.		project no. 2257316087	approved by EF
			drawing no. ASB-1B



---

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 56  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53328  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for Building 56, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



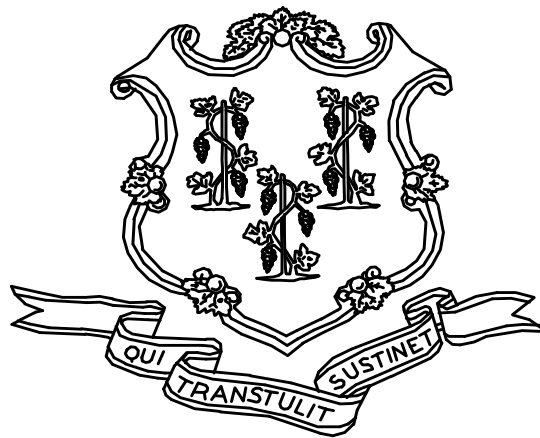
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 56  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 56328  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**



## Table of Contents

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2.0	ASBESTOS-CONTAINING MATERIALS SURVEY
3.0	ASBESTOS-CONTAINING MATERIALS
4.0	DISCUSSION AND RECOMMENDATIONS
5.0	LIMITATIONS
6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Residence, Building 56 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 28, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: sheet flooring and associated adhesive, cove base and associated adhesive, paper under wood floor, gypsum board and joint compound.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that none of the sampled materials are asbestos-containing material (ACM).

The materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Gypsum Wall Board
- Joint Compound
- Textured Ceiling Paint
- Beige Square Sheet Floor
- Adhesive for Beige Square Sheet Floor
- 4" Brown Cove Base
- Adhesive for 4" Brown Cove Base
- Black Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 56 - RESIDENCE**

Sample Number	Sample Location	Material	% Asbestos	Asbestos Type
030917-B56-1A	Dining Room	Gypsum Board	ND	
030917-B56-1B	Kitchen	Gypsum Board	ND	
030917-B56-2A	Dining Room	Joint Compound	ND	
030917-B56-2B	Kitchen	Joint Compound	ND	
030917-B56-3A	Kitchen	4" Brown Cove Base	ND	
030917-B56-3B	Kitchen	4" Brown Cove Base	ND	
030917-B56-4A	Kitchen	Adhesive For 4" Brown Cove Base	ND	
030917-B56-4B	Kitchen	Adhesive For 4" Brown Cove Base	ND	
030917-B56-5A	Kitchen	Beige Square Sheet Floor	ND	
030917-B56-5B	Kitchen	Beige Square Sheet Floor	ND	
030917-B56-6A	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
030917-B56-6B	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
030917-B56-7A	Basement	Black Paper Under Wood Floor	ND	
030917-B56-7B	Basement	Black Paper Under Wood Floor	ND	
030917-B56-8A	Kitchen	Textured Ceiling Paint	ND	
030917-B56-8B	Dining Room	Textured Ceiling Paint	ND	
030917-B56-8C	Living Room	Textured Ceiling Paint	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031706476
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 03/10/2017 11:11 AM <b>Analysis Date:</b> 03/13/2017 <b>Collected Date:</b> 03/09/2017
<b>Project:</b> 2257316087/ CTDCS/ BLDG 56	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030917-B56-1A 031706476-0001	DINING ROOM - GYPSUM BOARD	Brown Non-Fibrous Homogeneous	15% Cellulose	50% Gypsum 35% Non-fibrous (Other)	None Detected
030917-B56-1B 031706476-0002	KITCHEN - GYPSUM BOARD	Brown/Gray Non-Fibrous Homogeneous	12% Cellulose	65% Gypsum 23% Non-fibrous (Other)	None Detected
030917-B56-2A 031706476-0003	DINING ROOM - JOINT COMPOUND	Tan/White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
030917-B56-2B 031706476-0004	KITCHEN - JOINT COMPOUND	White Non-Fibrous Homogeneous		65% Ca Carbonate 5% Mica 30% Non-fibrous (Other)	None Detected
030917-B56-3A 031706476-0005	KITCHEN - 4" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
030917-B56-3B 031706476-0006	KITCHEN - 4" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		34% Ca Carbonate 66% Non-fibrous (Other)	None Detected
030917-B56-4A 031706476-0007	KITCHEN - ADHESIVE FLOR 4" BROWN COVE BASE	Tan Non-Fibrous Homogeneous	5% Cellulose	30% Ca Carbonate 65% Non-fibrous (Other)	None Detected
030917-B56-4B 031706476-0008	KITCHEN - ADHESIVE FLOR 4" BROWN COVE BASE	Tan Non-Fibrous Homogeneous	5% Cellulose	15% Ca Carbonate 80% Non-fibrous (Other)	None Detected
030917-B56-5A 031706476-0009	KITCHEN - BEIGE SQUARE SHEET FLOOR	Beige Non-Fibrous Homogeneous	20% Cellulose	25% Ca Carbonate 55% Non-fibrous (Other)	None Detected
030917-B56-5B 031706476-0010	KITCHEN - BEIGE SQUARE SHEET FLOOR	Beige Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/13/2017 11:11:21





# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031706476
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<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826
<b>Project:</b> 2257316087/ CTDCS/ BLDG 56	<b>Received Date:</b> 03/10/2017 11:11 AM <b>Analysis Date:</b> 03/13/2017 <b>Collected Date:</b> 03/09/2017

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030917-B56-6A 031706476-0011	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Yellow Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
030917-B56-6B 031706476-0012	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Brown/Tan Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
030917-B56-7A 031706476-0013	BASEMENT - BLACK PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
030917-B56-7B 031706476-0014	BASEMENT - BLACK PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
030917-B56-8A 031706476-0015	KITCHEN - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous	Inseparable paint / coating layer included in analysis		30% Ca Carbonate 15% Gypsum 25% Perlite 30% Non-fibrous (Other) None Detected
030917-B56-8B 031706476-0016	DINING ROOM - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous	Inseparable paint / coating layer included in analysis		25% Ca Carbonate 20% Perlite 55% Non-fibrous (Other) None Detected
030917-B56-8C 031706476-0017	LIVING ROOM	White Non-Fibrous Homogeneous			35% Ca Carbonate 65% Non-fibrous (Other) None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/13/2017 11:11:21



**EMSL Analytical, Inc.**

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031706476  
**Customer ID:** ATCE54  
**Customer PO:** 17-10133-0001  
**Project ID:**

**Attention:** Ed Fennell  
ATC Group Services LLC  
290 Roberts Street  
Suite 301  
East Hartford, CT 06108  
**Project:** 2257316087/ CTDCS/ BLDG 56

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/10/2017 11:11 AM  
**Analysis Date:** 03/13/2017  
**Collected Date:** 03/09/2017

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date: 03/10/2017                      Sample Receipt Time: 11:11 AM  
Analysis Completed Date: 03/13/2017                      Analysis Completed Time: 12:24 AM

**Analyst(s):**



Kamel Alawawda PLM (8)



Tiquasha Thompson PLM (9)

**Samples Reviewed and approved by:**



James Hall, Laboratory Manager  
or other approved signatory

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Initial report from: 03/13/2017 11:11:21



**BULK SAMPLE LOG**

Page 1 of 1

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

EMSL MANHATTAN LAB  
RECEIVED  
AM 11:11

Cardno ATC Inspector: Alisa Werst Client Name: CTDCS

Accreditation No.: 736 Project No./Task No.: 2257316087

Survey Date: 3-9-17 Project Manager: F. Fennel

Signature: [Signature] Requested Completion Date: \_\_\_\_\_

Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 17

Building: Bldg 56 Address: Veterans Home, Rocky Hill CT

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
Dining Room	gypsum Board	Misc				1	030917-056-1A
Kitchen	Joint compound					2	1B
	4" brown Cove base					2	2A
	adhesive FOY					2	2B
	Beige square sheet Floor					2	3A
	adhesive FOY					2	3B
	Black paper under wood Floor					2	4A
	Textured ceiling paint					2	4B
Basement						2	5A
Basement						2	5B
Kitchen						2	6A
Dining Room						2	6B
Living Room						2	7A
						2	7B
						2	8A
						3	8B
						3	8C

Comments: PCM

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft -1-6ft ->6ft) Ventilation (yes-no; if yes, type) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - plenum shaft - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low) Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: Alm Werst 3-9-17 Received By/Date: \_\_\_\_\_

Relinquished By/Date: \_\_\_\_\_ Received By/Date: \_\_\_\_\_

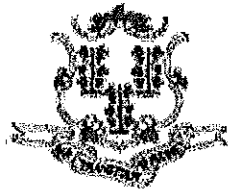
[Signature]  
3/13/17

FY 8100-2431-7747

[Signature]  
3/13/17 1:54AM

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

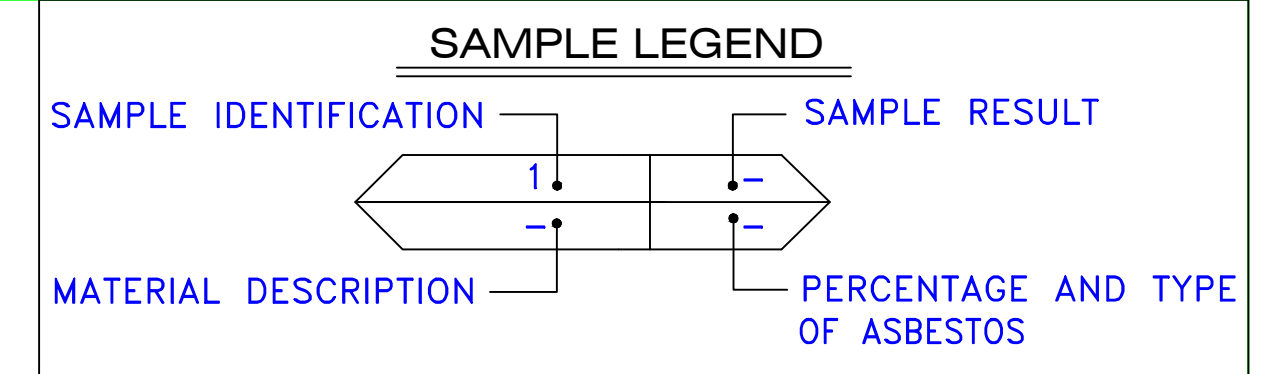
Certificate Number

October 13, 2016

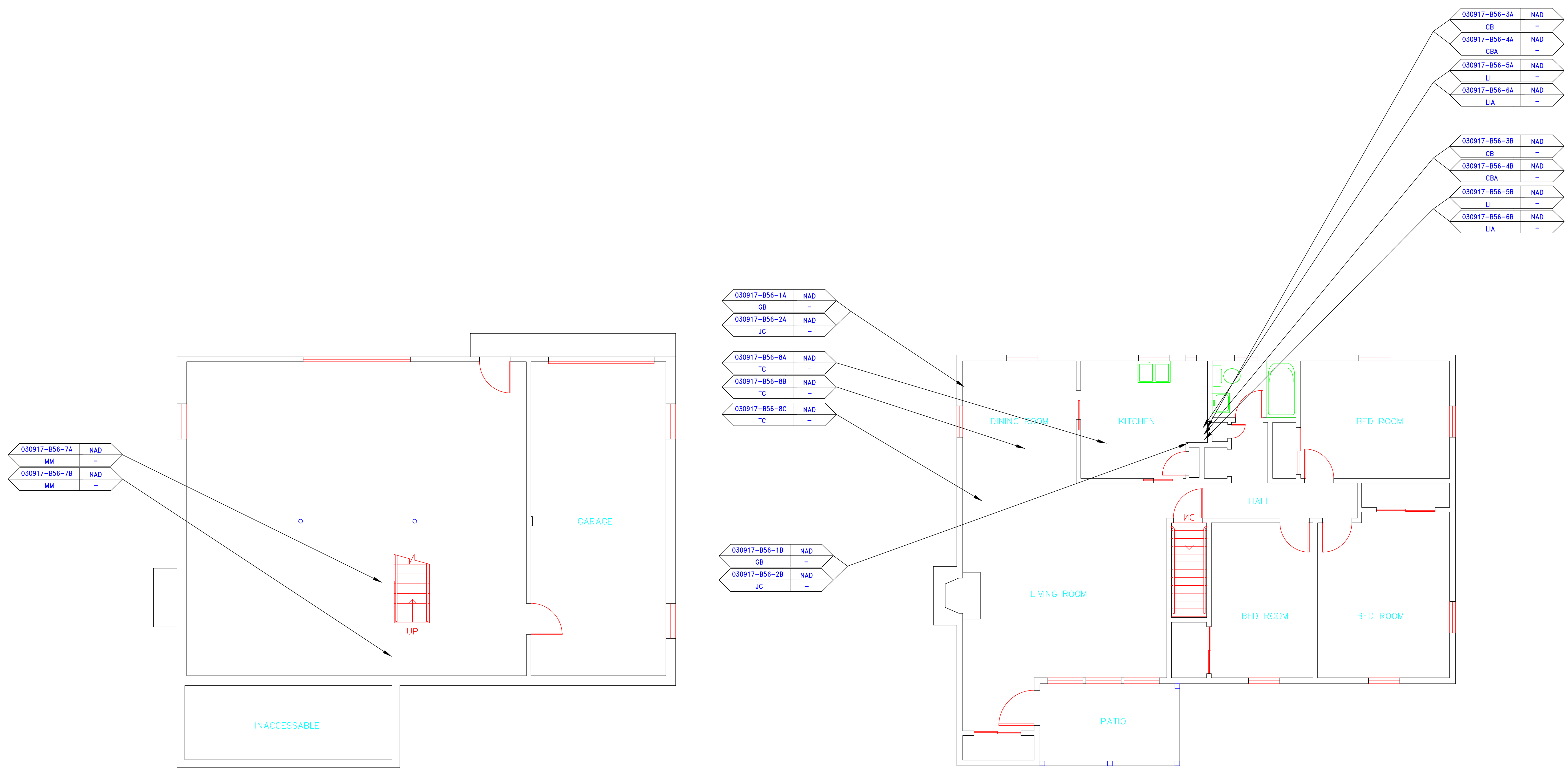
Examination Date

**APPENDIX B**  
**DRAWINGS**





AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSTOLE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYPSTUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE



SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING

-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
<b>SAMPLE LOCATION FLOOR PLAN</b>		<b>ATC</b>	
REVISIONS		200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-255-3200 Fax: 860-255-3201	
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 56 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	drawn by AMW
CAD no.		2257316087	approved by EF
drawing no.			ASB-1A



---

March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 57  
Residence  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53312  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Residence, Building 57, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



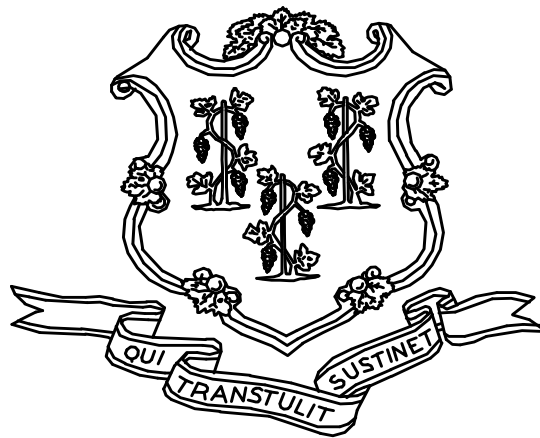
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Edward P. Fennell Jr., P.E.  
Division Manager  
For ATC Group Services LLC  
Direct Line +1 860 282 9924 x1123  
Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**RESIDENCE  
BUILDING 57  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53312  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257316087**

**MARCH 17, 2017**

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3.0	ASBESTOS-CONTAINING MATERIALS
4.0	DISCUSSION AND RECOMMENDATIONS
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6.0	BULK SAMPLE SUMMARY OF SUSPECT MATERIALS
7.0	BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS
APPENDIX A	LICENSE AND CERTIFICATION
APPENDIX B	DRAWINGS

## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct an inspection to identify asbestos-containing materials (ACM) in the Residence, Building 57 at the State Veterans Home, Rocky Hill, Connecticut. The purpose of the investigation was to test suspect materials prior to renovation activities.

The inspection was conducted by Ms. Alisa Werst on February 28, 2017. Ms. Werst is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspectors (CTDPH license number 000736). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included: sheet flooring and associated adhesive, cove base and associated adhesive, paper under wood floor, gypsum board and joint compound.

## 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.
  - (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

- (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. (NVLAP Lab Code 101048-9) located in New York, New York. The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- Joint Compound

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials were determined to be non-ACM:

- Gypsum Wall Board
- Beige Square Sheet Floor
- Adhesive for Beige Square Sheet Floor
- 4" Brown Cove Base
- Adhesive For 4" Brown Cove Base
- Black Paper Under Wood Floor

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut, Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 57-RESIDENCE**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
022817-B57-1A	Basement	Gypsum Board	ND	
022817-B57-1B	Dining Room	Gypsum Board	ND	
022817-B57-2A	Basement	Joint Compound	ND	
<b>022817-B57-2B</b>	<b>Dining Room</b>	<b>Joint Compound</b>	<b>3</b>	<b>Chrysotile</b>
022817-B57-3A	Kitchen	4" Brown Cove Base	ND	
022817-B57-3B	Kitchen	4" Brown Cove Base	ND	
022817-B57-4A	Kitchen	Adhesive For 4" Brown Cove Base	ND	
022817-B57-4B	Kitchen	Adhesive For 4" Brown Cove Base	ND	
022817-B57-5A	Kitchen	Beige Square Sheet Floor	ND	
022817-B57-5B	Kitchen	Beige Square Sheet Floor	ND	
022817-B57-6A	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
022817-B57-6B	Kitchen	Adhesive For Beige Square Sheet Floor	ND	
022817-B57-7A	Basement	Black Paper Under Wood Floor	ND	
022817-B57-7B	Basement	Black Paper Under Wood Floor	ND	

ND = None Detected



**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705394
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

**Attention:** Ed Fennell  
 ATC Group Services LLC  
 290 Roberts Street  
 Suite 301  
 East Hartford, CT 06108

**Phone:** (860) 282-9924  
**Fax:** (860) 282-9826  
**Received Date:** 03/01/2017 11:22 AM  
**Analysis Date:** 03/02/2017 - 03/03/2017  
**Collected Date:** 02/28/2017

**Project:** 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT/ BLDG #57

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022817-B57-1A 031705394-0001	BASEMENT - GYPSUM BOARD	Brown/Gray Non-Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
022817-B57-1B 031705394-0002	DINING ROOM - GYPSUM BOARD	Brown/Gray Non-Fibrous Homogeneous	10% Cellulose	55% Gypsum 35% Non-fibrous (Other)	None Detected
022817-B57-2A 031705394-0003	BASEMENT - JOINT COMPOUND	White Non-Fibrous Homogeneous	5% Cellulose	55% Ca Carbonate 10% Mica 30% Non-fibrous (Other)	None Detected
022817-B57-2B 031705394-0004	DINING ROOM - JOINT COMPOUND	Tan/White Non-Fibrous Homogeneous		25% Ca Carbonate 72% Non-fibrous (Other)	3% Chrysotile
022817-B57-3A 031705394-0005	KITCHEN - 4" BROWN COVE BASE	Tan Non-Fibrous Homogeneous	3% Cellulose	25% Ca Carbonate 72% Non-fibrous (Other)	None Detected
022817-B57-3B 031705394-0006	KITCHEN - 4" BROWN COVE BASE	Brown Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
022817-B57-4A 031705394-0007	KITCHEN - ADHESIVE FOR 4" BROWN COVE BASE	Tan/Yellow Non-Fibrous Homogeneous	2% Cellulose	25% Gypsum 73% Non-fibrous (Other)	None Detected
022817-B57-4B 031705394-0008	KITCHEN - ADHESIVE FOR 4" BROWN COVE BASE	Tan Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
022817-B57-5A 031705394-0009	KITCHEN - BEIGE SQUARE SHEET FLOOR	Beige Non-Fibrous Homogeneous	4% Cellulose	25% Ca Carbonate 71% Non-fibrous (Other)	None Detected
022817-B57-5B 031705394-0010	KITCHEN - BEIGE SQUARE SHEET FLOOR	Beige Non-Fibrous Homogeneous	10% Glass	20% Ca Carbonate 70% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/03/2017 05:13:08



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031705394
<b>Customer ID:</b> ATCE54
<b>Customer PO:</b> 17-10133-0001
<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 03/01/2017 11:22 AM <b>Analysis Date:</b> 03/02/2017 - 03/03/2017 <b>Collected Date:</b> 02/28/2017
<b>Project:</b> 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT/ BLDG #57	

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
022817-B57-6A 031705394-0011	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Brown Non-Fibrous Homogeneous	12% Cellulose	25% Ca Carbonate 20% Matrix 43% Non-fibrous (Other)	None Detected
022817-B57-6B 031705394-0012	KITCHEN - ADHESIVE FOR BEIGE SQUARE SHEET FLOOR	Yellow Non-Fibrous Homogeneous	20% Cellulose	10% Ca Carbonate 70% Non-fibrous (Other)	None Detected
022817-B57-7A 031705394-0013	BASEMENT - BLACK PAPER UNDER WOOD FLOOR	Black Non-Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
022817-B57-7B 031705394-0014	BASEMENT - BLACK PAPER UNDER WOOD FLOOR	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/03/2017 05:13:08



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

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<b>EMSL Order:</b> 031705394
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<b>Project ID:</b>

<b>Attention:</b> Ed Fennell ATC Group Services LLC 290 Roberts Street Suite 301 East Hartford, CT 06108	<b>Phone:</b> (860) 282-9924 <b>Fax:</b> (860) 282-9826 <b>Received Date:</b> 03/01/2017 11:22 AM <b>Analysis Date:</b> 03/02/2017 - 03/03/2017 <b>Collected Date:</b> 02/28/2017
<b>Project:</b> 2257316087/ CTDCS/ VETERANS HOME, ROCKY HILL, CT/ BLDG #57	

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date:	03/01/2017	Sample Receipt Time:	11:22 AM
Analysis Completed Date:	03/03/2017	Analysis Completed Time:	1:29 AM

### **Analyst(s):**

Krystal Harris PLM (7)

Tiquasha Thompson PLM (7)

### **Samples Reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 03/03/2017 05:13:08



**BULK SAMPLE LOG**

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031705394

Cardno ATC Inspector: <u>Alisa Werst</u>		Client Name: <u>CTDCS</u>					
Accreditation No.: <u>736</u>		Project No./Task No.: <u>2257316087</u>					
Survey Date: <u>2-28-16</u>		Project Manager: <u>F. Fennell</u>					
Signature: <u>[Signature]</u>		Requested Completion Date: _____					
Lab Name: <u>EMSL</u>		Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY					
Building: <u>Bldg 57</u>		Address: <u>Veterans Home, Rocky Hill CT</u>					
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
Basement	Gypsum Board	Misc				2	022817-357-1A
Dining Room	Joint compound					2	1B
Basement	4" Brown cave base					2	2A
Dining Room	adhesive for 4" brown cave base					2	2B
Kitchen	Beige squate sheet Floor					2	3A
	adhesive for beige squate sheet Floor					2	3B
	Black paper under wood Floor					2	4A
Basement						2	4B
"						2	5A
"						2	5B
"						2	6A
"						2	6B
"						2	7A
"						2	7B

EMSL MANHATTAN LAB RECEIVED

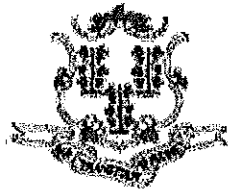
17 MAR 11 AM 11:22

PCN R.S.  
 RDOUNSKI 3/17/17 11:22 AM  
 Received By/Date: \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft - 1-6ft - >6ft)  
 Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely-reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Ventilation (yes-no; if yes, type)  
 Relinquished By/Date: [Signature] 2-28-17  
 Relinquished By/Date: \_\_\_\_\_  
 Friability (yes-no; hard-mod-soft surface) Barriers (poor airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)  
 Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)  
 Received By/Date: [Signature] 3/31/17 1:39 AM  
 Received By/Date: [Signature] 3/21/17

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

---



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
ALISA M WERST

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	736	01/31/2018	04/08/2009	Alisa M. Werst	ACTIVE	None

Generated on: 1/20/2017 3:29:08 PM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Alisa Werst**

*has successfully completed the*

**4 Hour Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

October 13, 2016

Date of Course

October 13, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR-5569

Certificate Number

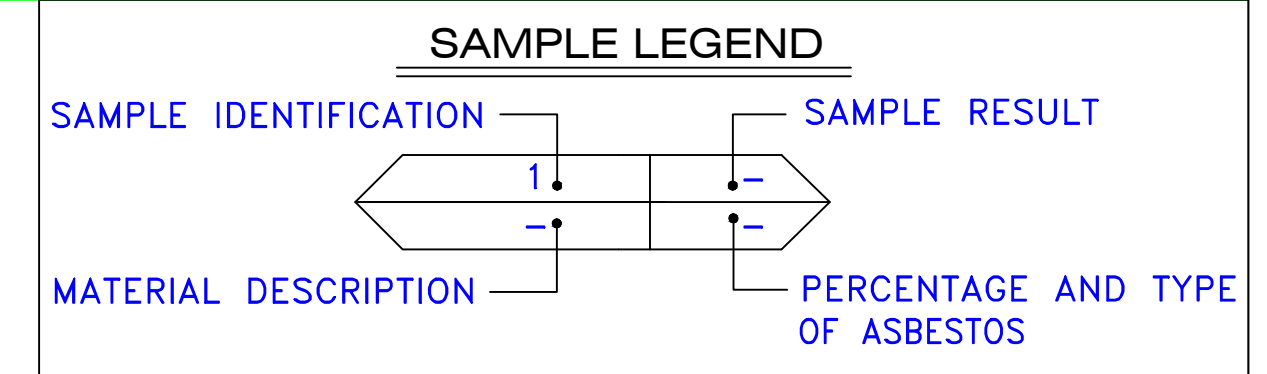
October 13, 2016

Examination Date



**APPENDIX B**  
**DRAWINGS**





AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
CFTSC	=	CERAMIC FLOOR TILE SETTING COMPOUND
CH	=	CHRYSO TILE
CO	=	COUNTERTOP
CT	=	CEILING TILE
CWTA	=	CERAMIC WALL TILE ADHESIVE
CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPOUND
DC	=	DOOR CAULKING
DG	=	DOOR GLAZING
DI	=	DUCT INSULATION
DIA	=	DUCT INSULATION ADHESIVE
DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
ECP	=	END CAP PACKING
ECS	=	END CAP SEALANT
EFIS	=	EXTERIOR FINISH INSULATION SYSTEM
EFJ	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
GB	=	GYP SUM BOARD
GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

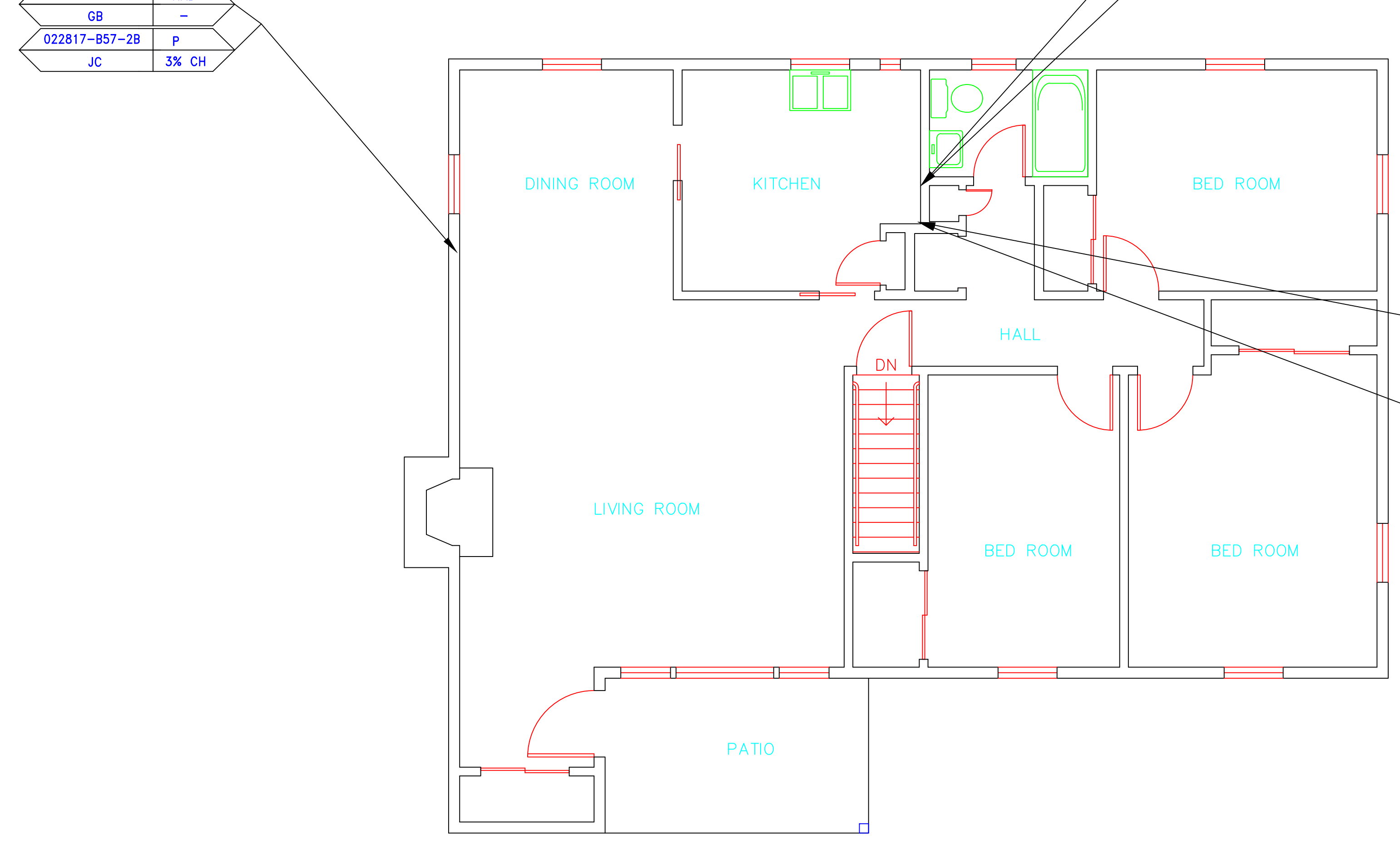
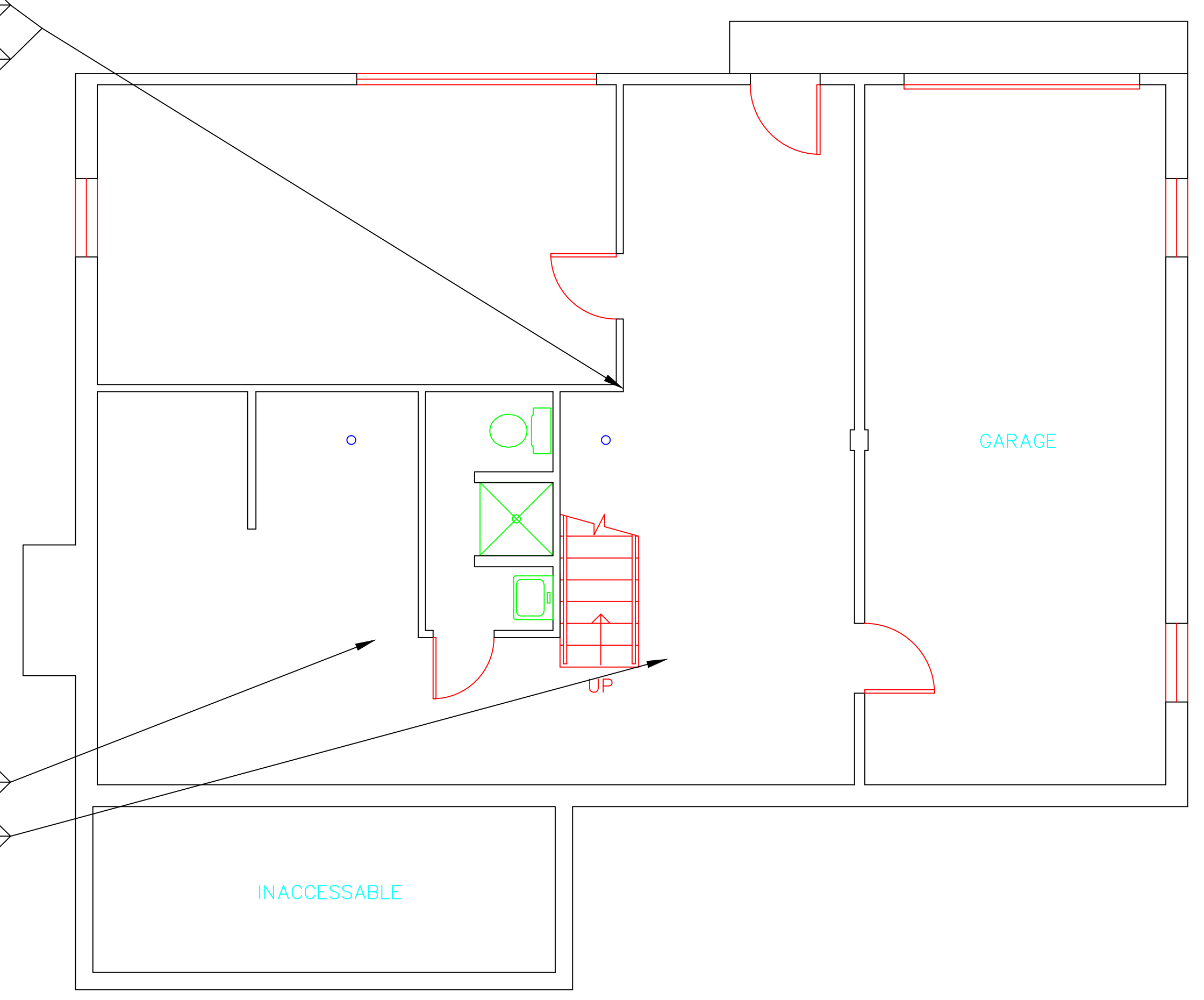
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GB	-
022817-B57-2A	NAD
JC	-

022817-B57-1B	NAD
GB	-
022817-B57-2B	P
JC	3% CH

022817-B57-3A	NAD
CB	-
022817-B57-4A	NAD
CBA	-
022817-B57-5A	NAD
LI	-
022817-B57-6A	NAD
LIA	-

022817-B57-3B	NAD
CB	-
022817-B57-4B	NAD
CBA	-
022817-B57-5B	NAD
LI	-
022817-B57-6B	NAD
LIA	-

022817-B57-7A	NAD
MM	-
022817-B57-7B	NAD
MM	-



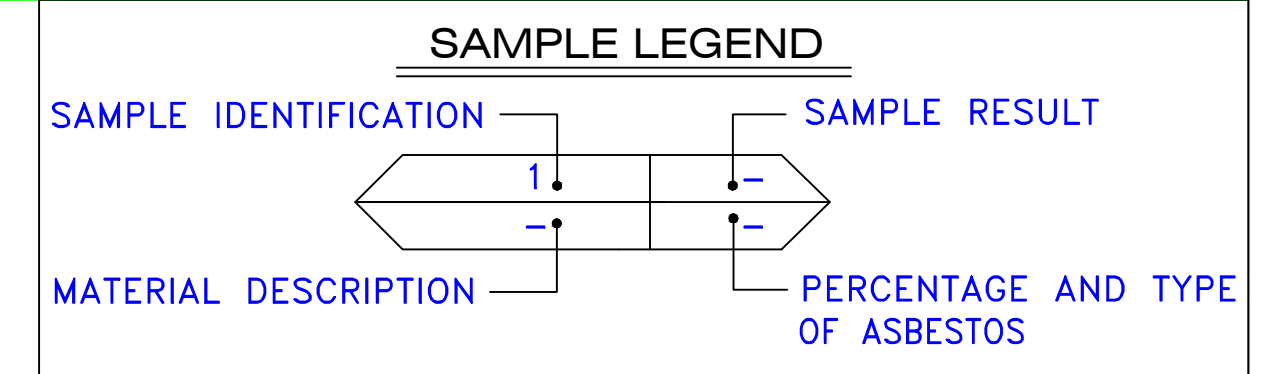
SYMBOL	MATERIAL DESCRIPTION
[Symbol]	ACM RESILIENT FLOORING AND MASTIC
[Symbol]	ACM RESILIENT FLOORING ONLY
[Symbol]	ACM POURED FLOORING
[Symbol]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Symbol]	ACM PLASTER CEILING SKIM COAT
[Symbol]	ACM TEXTURED CEILING COATING
[Symbol]	ACM WALL PLASTER
[Symbol]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING

-PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILING

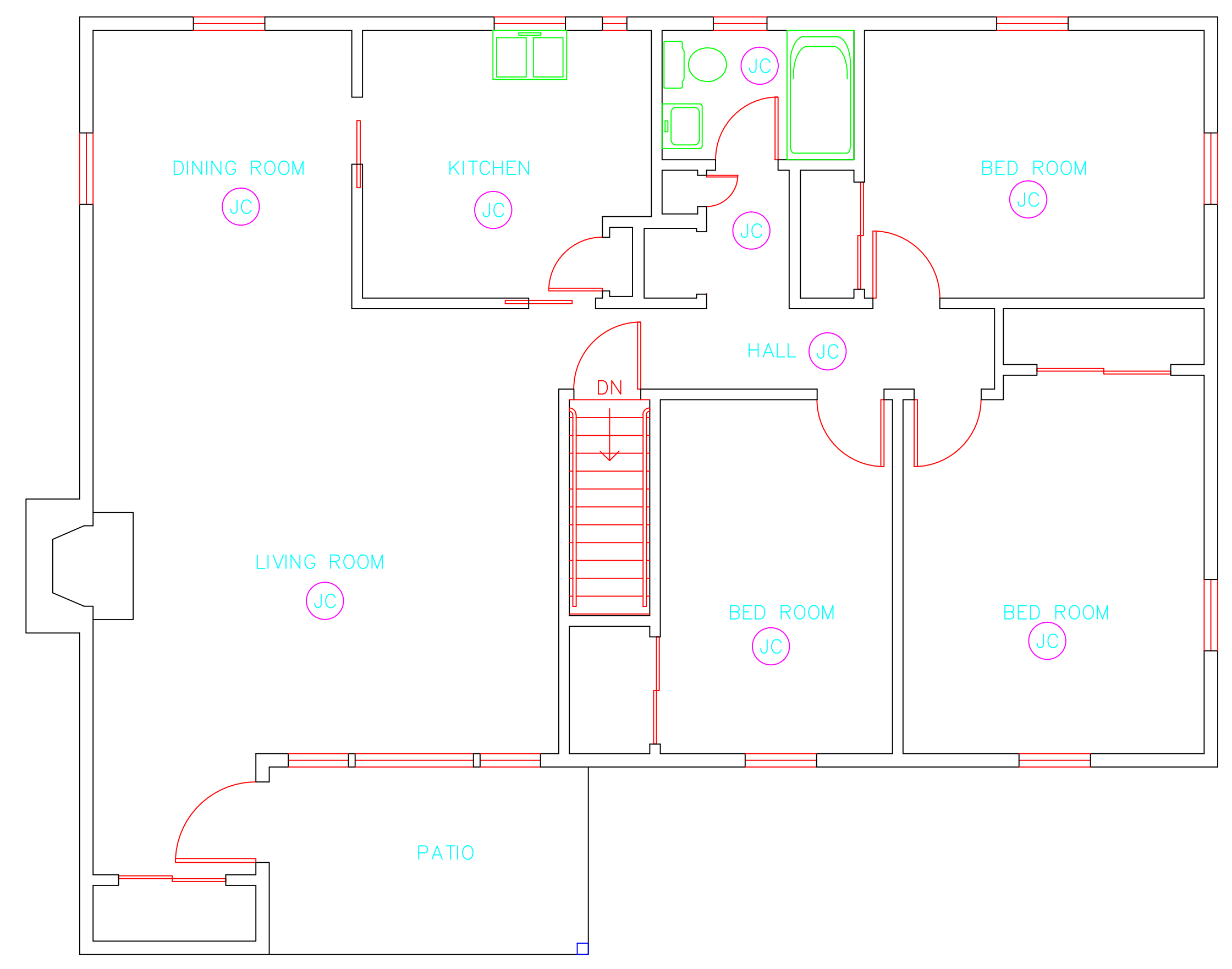
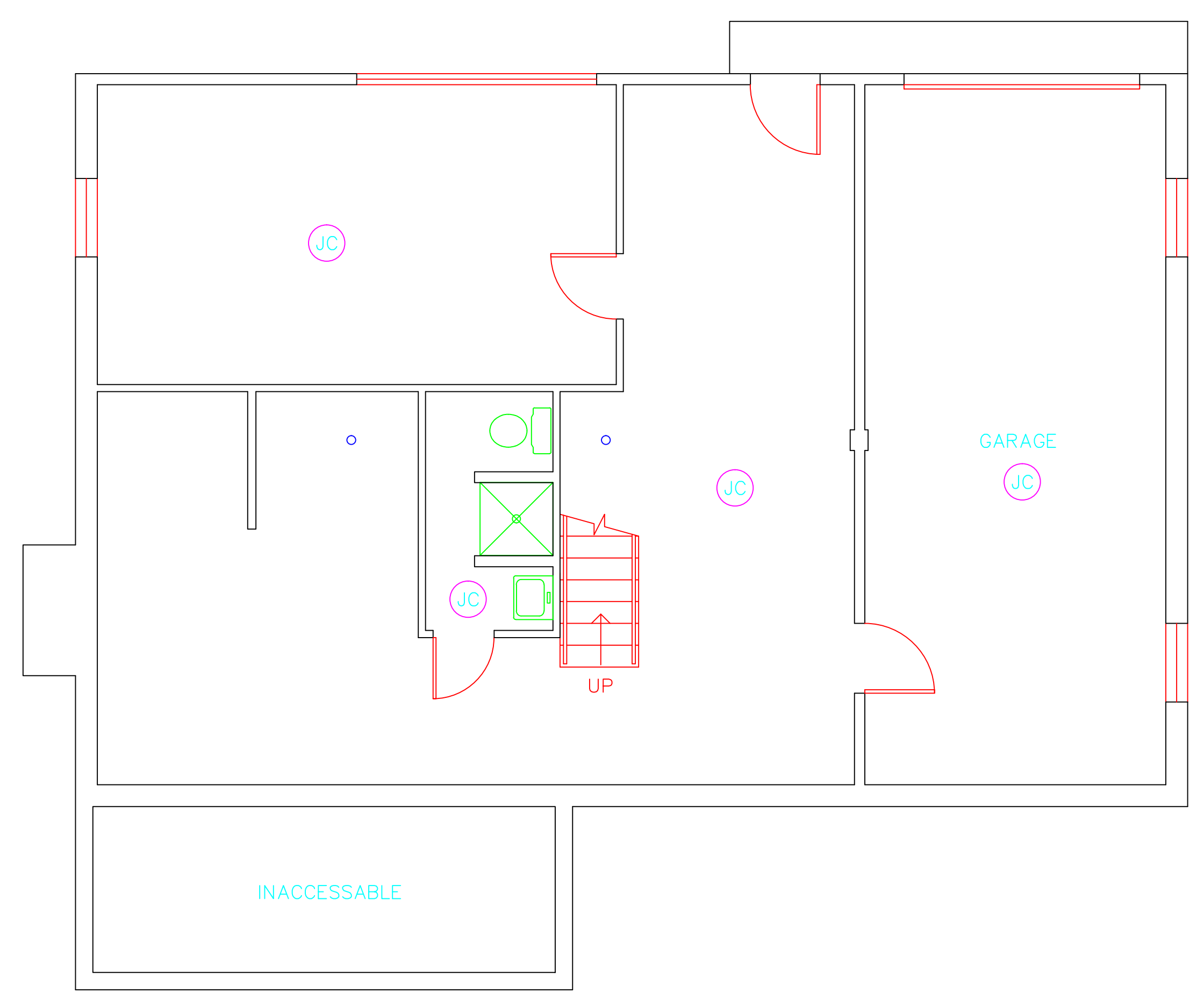
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<b>REVISIONS</b>			
mark	date	description	date
project		 <small>200 Roberts Street - Suite 301 East Windsor, CT 06026 Tel: 860-255-0000</small>	
drawing no.		3/17/17	
drawing no.		SCALE: 1/4" = 1'	
drawing no.		drawn by: AMW	
drawing no.		approved by: EF	
drawing no.		drawing no. ASB-1A	
drawing no.		project no. 2257316087	



- AM = AMOSITE
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- CBA = COVE BASE ADHESIVE
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- CFTG = CERAMIC FLOOR TILE GROUT
- CFTSC = CERAMIC FLOOR TILE SETTING COMPOUND
- CH = CHRYSOTILE
- CO = COUNTERTOP
- CT = CEILING TILE
- CWTA = CERAMIC WALL TILE ADHESIVE
- CWTG = CERAMIC WALL TILE GROUT
- CWTSC = CERAMIC WALL TILE SETTING COMPOUND
- DC = DOOR CAULKING
- DG = DOOR GLAZING
- DI = DUCT INSULATION
- DIA = DUCT INSULATION ADHESIVE
- DIW = DUCT INSULATION WRAP
- DS = DUCT SEALANT
- ECP = END CAP PACKING
- ECS = END CAP SEALANT
- EFIS = EXTERIOR FINISH INSULATION SYSTEM
- EFJ = EXPANSION JOINT FILLER
- FC = FLEX CONNECTOR
- FP = SPRAY-ON FIREPROOFING
- FT = FLOOR TILE
- FTM = FLOOR TILE MASTIC
- GB = GYPSUM BOARD
- GD = GLUE DAUB
- JC = JOINT COMPOUND
- LI = LINOLEUM
- LIA = LINOLEUM ADHESIVE
- LV = LEVELING COMPOUND
- MA = MISCELLANEOUS ADHESIVE
- MC = MISCELLANEOUS CAULKING
- MM = MISCELLANEOUS MATERIAL
- MS = MISCELLANEOUS SEALANT
- N = NEGATIVE
- NA = NOT ANALYZED
- NAD = NO ASBESTOS DETECTED
- NAPS = NOT ANALYZED POSITIVE STOP
- P = POSITIVE
- PF = POURED FLOORING
- PFI = PIPE FITTING INSULATION
- PI = PIPE INSULATION
- PIA = PIPE INSULATION ADHESIVE
- PLCB = PLASTER CEILING BASE COAT
- PLCS = PLASTER CEILING SKIM COAT
- PLWB = PLASTER WALL BASE COAT
- PLWS = PLASTER WALL SKIM COAT
- PM = PIPE MASTIC
- PS = PENETRATION SEALANT
- PSI = PERIMETER SLAB INSULATION
- PW = PIPE WRAP
- SCT = SUSPENDED CEILING TILE
- SU = SINK UNDERCOAT
- T = TRANSITE
- TC = TEXTURED COATING
- TR = TRACE
- VB = VAPOR BARRIER
- WC = WINDOW CAULKING
- WF = WALL FLASHING
- WG = WINDOW GLAZING
- WP = WATERPROOFING
- WT = WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
	ACM RESILIENT FLOORING ONLY
	ACM POURED FLOORING
	ACM CEMENT ASBESTOS (TRANSITE) CEILING
	ACM PLASTER CEILING SKIM COAT
	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**  
 -NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS



drawing title <b>ACM LOCATION FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS			
mark	date	description	date
			3/17/17
project		BUILDING INSPECTION RESIDENCE BUILDING 57 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	SCALE: 1/4" = 1'
CAD no.		2257316087	drawn by AMW
			approved by EF
			drawing no. ASB-1B



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March 17, 2017

Mr. Mike Sanders  
State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
450 Columbus Boulevard  
Hartford, CT 06103

Re: Asbestos Inspection  
Building 60  
Apartments  
State Veterans Home  
Rocky Hill, Connecticut  
Project C-16-13  
Building 53216  
ATC Project 2257316087

Dear Mr. Sanders:

Please find enclosed the Asbestos Inspection Report for the Apartments, Building 60, State Veterans Home, Rocky Hill, Connecticut.

Should you have any questions concerning this report, do not hesitate to contact me at 860 282-9924 ext. 1123.

Sincerely,

**ATC Group Services LLC**



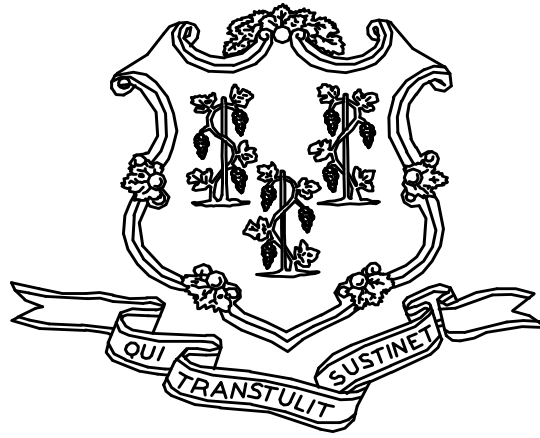
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Email: [edward.fennell@atcassociates.com](mailto:edward.fennell@atcassociates.com)  
Encl: Asbestos Inspection Report

Cc: Sarah Tierney, CTDCS

# **ASBESTOS INSPECTION REPORT**

**APARTMENTS  
BUILDING 60  
STATE VETERANS HOME  
ROCKY HILL, CONNECTICUT  
BUILDING 53216  
PROJECT C-16-13**



**STATE OF CONNECTICUT  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
DIVISION OF CONSTRUCTION SERVICES**

**Prepared by:**

**ATC GROUP SERVICES LLC  
290 ROBERTS STREET - SUITE 301  
EAST HARTFORD, CT 06108**

**ATC PROJECT 2257317087**

**MARCH 17, 2017**

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## 1.0 INTRODUCTION

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the State of Connecticut, Department of Administrative Services, Division of Construction Services (CTDCS) to conduct a limited inspection to identify asbestos-containing materials (ACM) in the Police Corps Building, Building 60, State Veterans Home, West Street, Rocky Hill, Connecticut. The purpose of the investigation was to identify suspect Asbestos Containing Material (ACM) prior to renovation activities.

The inspection was conducted by Mr. Carmen Jacko on March 11, 2016. Mr. Jacko is a State of Connecticut, Department of Public Health (CTDPH) licensed asbestos inspector (CTDPH license number 000812). The survey was performed as a walk-through visual inspection, combined with the collection and analysis of bulk samples.

## 2.0 ASBESTOS-CONTAINING MATERIALS SURVEY

Materials which were considered suspect ACM included floor tile and associated adhesive, window caulking and glazing, door caulking and glazing, acoustic ceiling tiles and associated glue daubs, cove base and associated adhesive, stair tread adhesive, wall and ceiling plaster, thermal system insulation, sink undercoat, ceramic tile grout and setting compound, vapor barrier mastic and miscellaneous caulking and adhesive.

### 2.1 ASBESTOS BULK SAMPLE COLLECTION/ANALYSIS PROCEDURE

Building materials considered suspect ACM were inspected and assessed using the methods presented in the United States Environmental Protection Agency AHERA regulations (40 CFR Part 763) and NESHAP regulations (40 CFR Part 61).

ATC collected bulk samples of building materials utilizing a sampling strategy that correlated with 40 CFR 763.86 as follows:

- (a) *Surfacing materials.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:
  - (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less, except as provided in 40 CFR Part 763.87(c)(2).
  - (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
  - (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>, except as provided in 40 CFR Part 763.87(c)(2).
- (b) *Thermal system insulation.*
  - (1) Except as provided in paragraphs (b)(2) through (4) of this section and 40 CFR Part 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.



- (2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.
  - (3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under 40 CFR Part 763.87(c)(2).
  - (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACM.
- (c) *Miscellaneous materials.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable or non-friable miscellaneous material that is not assumed to be ACM.

The bulk samples collected during the survey were analyzed by EMSL Analytical, Inc. located in New York, New York (NVLAP Lab Code 101048-9). The bulk samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining via the EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s). Utilizing PLM, the microscopist is able to identify and distinguish between asbestos group minerals and other fibrous materials such as cellulose, mineral wool, fiberglass, or synthetic fibers. The quantities of each of these substances is estimated based on the procedures defined in the above-cited reference and are reported as a percentage.

The EPA recognizes the following as asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite, and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material to be non-ACM, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate the material to contain less than 1% asbestos by weight.

### **3.0 ASBESTOS-CONTAINING MATERIALS**

The results of PLM laboratory analysis indicated that the following materials are asbestos-containing material (ACM). ACM are those materials that contain greater than 1% asbestos, and are as follows:

- 9"x9" Dark Brown Floor Tile
- 9"x9" Light Brown Floor Tile
- 9"x9" Gray Floor Tile
- 9"x9" Light Green Floor Tile
- 9"x9" Dark Green Floor Tile
- 12"x12" Beige Floor Tile
- Stair Tread Adhesive
- Pipe Insulation
- Black Sink Trim
- Door Frame Caulking
- Exterior Caulking on Stone Ledge
- Exterior Foundation Vapor Barrier

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials throughout the building were determined to be non-ACM:

- Wall Plaster - Skim Coat
- Wall Plaster - Base Coat (Grey)
- Ceiling Plaster - Skim Coat (White)
- Ceiling Plaster - Base Coat (Gray)
- 1'x1' Acoustic Ceiling Tile (Random Hole) and Associated Glue Daubs
- Beige Ceiling Glue
- Ceiling Gypsum Board
- Wall Gypsum Board(White)
- 9"x9" Dark Brown Floor Tile Mastic
- 9"x9" Light Brown Floor Tile Mastic
- 9"x9" Gray Floor Tile Mastic
- 9"x9" Light Green Floor Tile Mastic
- 9"x9" Dark Green Floor Tile Mastic
- 12"x12" White Floor Tile (Self Stick)
- Brown Cove Base Adhesive
- Window Glazing (Gray)
- Closet Vapor Barrier
- Exterior Caulking on Stone Ledge
- Exterior Foundation Vapor Barrier on Metal

Refer to Section 6.0, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled in relation to the demolition project.

#### **4.0 DISCUSSION AND RECOMMENDATIONS**

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as (a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CTDPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition, or other disturbance of ACM but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable ACM found exterior to a building or structure other than material defined as RACM in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Based upon these definitions, ACM identified in the building requires removal prior to renovation, demolition, or disturbance. The State of Connecticut Department of Energy and Environmental Protection (CTDEEP) regulations require the proper disposal of all ACM, regardless of categorization.

#### **5.0 LIMITATIONS**

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited

with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

This inspection was conducted to identify suspect materials potentially impacted by a new fire alarm system installation. Destructive testing of areas behind fixed walls and ceilings was not included in the inspection scope.

## **6.0 BULK SAMPLE SUMMARY OF SUSPECT MATERIALS**

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 60 - APARTMENTS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
031116-60-1A	2B Living Room	1'x1' Acoustic Ceiling Tile (Random Hole)	ND	
031116-60-1B	2E Living Room	1'x1' Acoustic Ceiling Tile (Random Hole)	ND	
031116-60-2A	2B Living Room	Dark Brown Glue Daub for 1'x1' Acoustic Ceiling Tile (Random Hole)	ND	
031116-60-2B	2E Living Room	Dark Brown Glue Daub for 1'x1' Acoustic Ceiling Tile (Random Hole)	ND	
031116-60-3A	2D Living Room	Gypsum Board Ceiling	ND	
031116-60-3B	2E Living Room	Gypsum Board Ceiling	ND	
031116-60-4A	2D Bedroom	Wall Plaster – Skim Coat	ND	
031116-60-4B	Custodial Closet Hall	Wall Plaster – Skim Coat	ND	
031116-60-4C	2B Bedroom Closet	Wall Plaster – Skim Coat	ND	
031116-60-4D	2F Bedroom Closet	Wall Plaster – Skim Coat	ND	
031116-60-4E	Custodial Supply Closet	Wall Plaster – Skim Coat	ND	
031116-60-4F	1st Floor South Corridor	Wall Plaster – Skim Coat	ND	
031116-60-4G	1C Bedroom Closet	Wall Plaster – Skim Coat	ND	
031116-60-5A	2D Bedroom	Wall Plaster – Base Coat (Grey)	ND	
031116-60-5B	Custodial Closet	Wall Plaster – Base Coat (Grey)	ND	
031116-60-5C	2B Bedroom Closet	Wall Plaster – Base Coat (Grey)	ND	
031116-60-5D	2F Bedroom Closet	Wall Plaster – Base Coat (Grey)	ND	
031116-60-5E	Custodial Supply Closet	Wall Plaster – Base Coat (Grey)	ND	
031116-60-5F	1st Floor South Corridor	Wall Plaster – Base Coat (Grey)	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 60 - APARTMENTS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
031116-60-5G	1C Bedroom Closet	Wall Plaster – Base Coat (Grey)	ND	
031116-60-6A	2nd Floor Custodial Closet	Gypsum Board Wall (White)	ND	
031116-60-6B	2nd Floor Custodial Closet	Gypsum Board Wall (White)	ND	
031116-60-7A	2F Kitchen	Ceiling Plaster - Skim Coat (White)	ND	
031116-60-7B	2F Kitchen	Ceiling Plaster - Skim Coat (White)	ND	
031116-60-7C	1E Kitchen	Ceiling Plaster - Skim Coat (White)	ND	
031116-60-8A	2F Kitchen	Ceiling Plaster - Base Coat (Gray)	ND	
031116-60-8B	2F Kitchen	Ceiling Plaster - Base Coat (Gray)	ND	
031116-60-8C	1E Kitchen	Ceiling Plaster - Base Coat (Gray)	ND	
031116-60-9A	2B Living Room	Beige Ceiling Glue	ND	
031116-60-9B	2B Living Room	Beige Ceiling Glue	ND	
<b>031116-60-10A</b>	<b>2A Bathroom</b>	<b>Cloth Pipe Wrap (Gray)</b>	<b>14</b>	<b>Chrysotile</b>
<b>031116-60-10B</b>	<b>2A Bathroom</b>	<b>Cloth Pipe Wrap (Gray)</b>	<b>15</b>	<b>Chrysotile</b>
<b>031116-60-11A</b>	<b>2F Bedroom Closet</b>	<b>Debris (Gray)</b>	<b>15</b>	<b>Chrysotile</b>
<b>031116-60-11B</b>	<b>2F Bedroom Closet</b>	<b>Debris (Gray)</b>	<b>25</b>	<b>Chrysotile</b>
<b>031116-60-12A</b>	<b>2C Bedroom Closet</b>	<b>Pipe Insulation (White)</b>	<b>12</b>	<b>Chrysotile</b>
<b>031116-60-12B</b>	<b>2C Bedroom Closet</b>	<b>Pipe Insulation (White)</b>	<b>20</b>	<b>Chrysotile</b>
031116-60-13A	2E Bedroom	Brown Cove Base Adhesive	ND	
031116-60-13B	2D Bedroom	Brown Cove Base Adhesive	ND	
031116-60-14A	2F Bedroom Closet	Vapor Barrier (Black)	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 60 - APARTMENTS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
031116-60-14B	2F Bedroom Closet	Vapor Barrier (Black)	ND	
031116-60-15A	2F Bedroom Closet	Foil Vapor Barrier	ND	
031116-60-15B	2F Bedroom Closet	Foil Vapor Barrier	ND	
<b>031116-60-16A</b>	<b>Front Stairs</b>	<b>Yellow Adhesive For Stair Cover</b>	<b>3</b>	<b>Chrysotile</b>
<b>031116-60-16B</b>	<b>Front Stairs</b>	<b>Yellow Adhesive For Stair Cover</b>	<b>2</b>	<b>Chrysotile</b>
<b>031116-60-17A</b>	<b>2nd Floor Corridor</b>	<b>9" X 9" Dark Brown Floor Tile</b>	<b>9</b>	<b>Chrysotile</b>
<b>031116-60-17B</b>	<b>1st Floor Entrance</b>	<b>9" X 9" Dark Brown Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
031116-60-18A	2nd Floor Corridor	Black Mastic For 9" X 9" Dark Brown Floor Tile	ND	
031116-60-18B	1st Floor Entrance	Black Mastic For 9" X 9" Dark Brown Floor Tile	ND	
<b>031116-60-19A</b>	<b>2D Living Room</b>	<b>9" X 9" Light Brown Floor Tile</b>	<b>6</b>	<b>Chrysotile</b>
<b>031116-60-19B</b>	<b>1D Living Room</b>	<b>9" X 9" Light Brown Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
031116-60-20A	2D Living Room	Black Mastic For 9" X 9" Light Brown Floor Tile	ND	
031116-60-20B	1D Living Room	Black Mastic For 9" X 9" Light Brown Floor Tile	ND	
<b>031116-60-21A</b>	<b>2B Bedroom</b>	<b>9" X 9" Gray Floor Tile</b>	<b>8</b>	<b>Chrysotile</b>
<b>031116-60-21B</b>	<b>2B Bedroom</b>	<b>9" X 9" Gray Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
031116-60-22A	2B Bedroom	Black Mastic For 9" X 9" Gray Floor Tile	ND	
031116-60-22B	2B Bedroom	Black Mastic For 9" X 9" Gray Floor Tile	ND	
<b>031116-60-23A</b>	<b>2E Living Room</b>	<b>9" X 9" Light Green Floor Tile</b>	<b>8</b>	<b>Chrysotile</b>
<b>031116-60-23B</b>	<b>1E Living Room</b>	<b>9" X 9" Light Green Floor Tile</b>	<b>5</b>	<b>Chrysotile</b>
031116-60-24A	2E Living Room	Black Mastic For 9" X 9" Light Green Floor Tile	ND	

**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 60 - APARTMENTS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
031116-60-24B	1E Living Room	Black Mastic For 9" X 9" Light Green Floor Tile	ND	
<b>031116-60-25A</b>	<b>2E Living Room</b>	<b>9" X 9" Dark Green Floor Tile</b>	<b>6</b>	<b>Chrysotile</b>
<b>031116-60-25B</b>	<b>1C Living Room</b>	<b>9" X 9" Dark Green Floor Tile</b>	<b>4</b>	<b>Chrysotile</b>
031116-60-26A	2E Living Room	Black Mastic For 9" X 9" Dark Green Floor Tile	ND	
031116-60-26B	1C Living Room	Black Mastic For 9" X 9" Dark Green Floor Tile	ND	
<b>031116-60-27A</b>	<b>1B Living Room Closet</b>	<b>12" X 12" Beige Floor Tile</b>	<b>2</b>	<b>Chrysotile</b>
<b>031116-60-27B</b>	<b>1B Living Room Closet</b>	<b>12" X 12" Beige Floor Tile</b>	<b>3</b>	<b>Chrysotile</b>
031116-60-28A	1B Living Room Closet	Black Mastic For 12" X 12" Beige Floor Tile	ND	
031116-60-28B	1B Living Room Closet	Black Mastic For 12" X 12" Beige Floor Tile	ND	
031116-60-29A	1E Kitchen	12" X 12" White Self Adhesive Floor Tile	ND	
031116-60-29B	1E Kitchen	12" X 12" White Self Adhesive Floor Tile	ND	
<b>031116-60-30A</b>	<b>1E Kitchen</b>	<b>1" Sink Trim (Black)</b>	<b>5</b>	<b>Chrysotile</b>
<b>031116-60-30B</b>	<b>1E Kitchen</b>	<b>1" Sink Trim (Black)</b>	<b>2</b>	<b>Chrysotile</b>
<b>031116-60-31A</b>	<b>1E Kitchen</b>	<b>Black Mastic For 1" Sink Trim (Black)</b>	<b>4</b>	<b>Chrysotile</b>
<b>031116-60-31B</b>	<b>1E Kitchen</b>	<b>Black Mastic For 1" Sink Trim (Black)</b>	<b>3</b>	<b>Chrysotile</b>
<b>031116-60-32A</b>	<b>1st Floor Entrance</b>	<b>Exterior Door Frame Caulk (Gray)</b>	<b>3</b>	<b>Chrysotile</b>
<b>031116-60-32B</b>	<b>1st Floor Entrance</b>	<b>Exterior Door Frame Caulk (Gray)</b>	<b>5</b>	<b>Chrysotile</b>
031116-60-33A	2B Living Room	Exterior Window Glaze (Gray)	ND	
031116-60-33B	2B Living Room	Exterior Window Glaze (Gray)	ND	
<b>031116-60-34A</b>	<b>Outside 2B</b>	<b>Exterior Caulk On Stone Ledge (Gray)</b>	<b>4</b>	<b>Chrysotile</b>



**TABLE 6-1  
BULK SAMPLE SUMMARY OF SUSPECT MATERIALS  
STATE VETERANS HOME  
BUILDING 60 - APARTMENTS**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Material</b>	<b>% Asbestos</b>	<b>Asbestos Type</b>
031116-60-34B	Outside 2B	Exterior Caulk On Stone Ledge (Gray)	8	Chrysotile
031116-60-35A	1st Floor Entrance	Front Interior Door Frame Mastic (Black)	5	Chrysotile
031116-60-35B	1st Floor Entrance	Front Interior Door Frame Mastic (Black)	5	Chrysotile
031116-60-36A	Exterior Foundation	Black Vapor Barrier On Exterior Foundation	8	Chrysotile
031116-60-36B	Exterior Foundation	Black Vapor Barrier On Exterior Foundation	8	Chrysotile
031116-60-37A	Exterior Foundation	Black Vapor Barrier On Metal On Foundation	ND	
031116-60-37B	Exterior Foundation	Black Vapor Barrier On Exterior Foundation	ND	

ND = None Detected

**7.0 BULK SAMPLE RESULTS/CHAIN-OF-CUSTODY FORMS**

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com>[manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order:	031606754
CustomerID:	ATCE54
CustomerPO:	16-10133-0001
ProjectID:	

Attn: **Ed Fennell**  
**ATC Group Services LLC**  
**290 Roberts Street**  
**Suite 301**  
**East Hartford, CT 06108**

Phone: (860) 282-9924  
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 Received: 03/12/16 11:31 AM  
 Analysis Date: 3/14/2016  
 Collected: 3/11/2016

Project: 2257316016/ CTDCS/ BUILDING 60 - VA/ ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
031116-1A <i>031606754-0001</i>	2B LIVING ROOM - 1' X 1' RANDOM HOLE CEILING TILE	Brown Fibrous Homogeneous	85%	Cellulose	15% Non-fibrous (other) <b>None Detected</b>
031116-1B <i>031606754-0002</i>	2E LIVING ROOM - 1' X 1' RANDOM HOLE CEILING TILE	Brown Fibrous Homogeneous	90%	Cellulose	10% Non-fibrous (other) <b>None Detected</b>
031116-2A <i>031606754-0003</i>	2B LIVING ROOM - DARK BROWN GLUE DAUBS BENEATH 1' X 1' CEILING TILE	Brown Non-Fibrous Homogeneous			85% Matrix 15% Non-fibrous (other) <b>None Detected</b>
031116-2B <i>031606754-0004</i>	2E LIVING ROOM - DARK BROWN GLUE DAUBS BENEATH 1' X 1' CEILING TILE	Brown Non-Fibrous Homogeneous	10%	Cellulose	85% Matrix 5% Non-fibrous (other) <b>None Detected</b>
031116-3A <i>031606754-0005</i>	2D LIVING ROOM - CEILING GYPSUM BOARD	Gray Non-Fibrous Homogeneous	4%	Cellulose	74% Gypsum 22% Non-fibrous (other) <b>None Detected</b>
031116-3B <i>031606754-0006</i>	2E LIVING ROOM - CEILING GYPSUM BOARD	Gray Non-Fibrous Homogeneous	10%	Cellulose	60% Gypsum 30% Non-fibrous (other) <b>None Detected</b>
031116-4A <i>031606754-0007</i>	2D BEDROOM - WALL PLASTER SKIM	White Non-Fibrous Homogeneous			22% Gypsum 62% Ca Carbonate 16% Non-fibrous (other) <b>None Detected</b>

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Initial report from 03/14/2016 13:51:28

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
031116-4B <i>031606754-0008</i>	CUSTODIAL CL HALL - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		10% Gypsum 42% Ca Carbonate 48% Non-fibrous (other)	None Detected
031116-4C <i>031606754-0009</i>	2B BED CLOSET - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		22% Gypsum 47% Ca Carbonate 31% Non-fibrous (other)	None Detected
031116-4D <i>031606754-0010</i>	2F BED CLOSET - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		23% Gypsum 48% Ca Carbonate 29% Non-fibrous (other)	None Detected
031116-4E <i>031606754-0011</i>	CUSTODIAL SUPPLY CLOSET - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		18% Gypsum 45% Ca Carbonate 37% Non-fibrous (other)	None Detected
031116-4F <i>031606754-0012</i>	1ST FLOOR SOUTH CORRIDOR - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		16% Gypsum 45% Ca Carbonate 39% Non-fibrous (other)	None Detected
031116-4G <i>031606754-0013</i>	1E BEDROOM CLOSET - WALL PLASTER SKIM	White Non-Fibrous Homogeneous		65% Ca Carbonate 35% Non-fibrous (other)	None Detected
031116-5A <i>031606754-0014</i>	2D BEDROOM - WALL PLASTER BASE (GREY)	Brown Non-Fibrous Homogeneous	4% Cellulose	34% Quartz 62% Non-fibrous (other)	None Detected
031116-5B <i>031606754-0015</i>	CUSTODIAL CLOSET - WALL PLASTER BASE (GREY)	Brown Non-Fibrous Homogeneous	3% Cellulose	43% Quartz 12% Gypsum 42% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
031116-5C <i>031606754-0016</i>	2B BEDROOM CLOSET - WALL PLASTER BASE (GREY)	Brown Non-Fibrous Homogeneous	4% Cellulose	35% Quartz 3% Mica 58% Non-fibrous (other)	None Detected
031116-5D <i>031606754-0017</i>	2F BEDROOM CLOSET - WALL PLASTER BASE (GREY)	Brown Non-Fibrous Homogeneous	2% Cellulose	35% Quartz 14% Gypsum 49% Non-fibrous (other)	None Detected
031116-5E <i>031606754-0018</i>	CUSTODIAL SUPPLY CLOSET - WALL PLASTER BASE (GREY)	Brown Non-Fibrous Homogeneous		38% Quartz 25% Gypsum 37% Non-fibrous (other)	None Detected
031116-5F <i>031606754-0019</i>	1ST FLOOR SOUTH CORRIDOR - WALL PLASTER BASE (GREY)	Brown Non-Fibrous Homogeneous	3% Cellulose	40% Quartz 25% Gypsum 32% Non-fibrous (other)	None Detected
031116-5G <i>031606754-0020</i>	1B BEDROOM CLOSET - WALL PLASTER BASE (GREY)	Gray Non-Fibrous Homogeneous		45% Quartz 35% Gypsum 20% Non-fibrous (other)	None Detected
031116-6A <i>031606754-0021</i>	2ND FL CUSTODIAL CLOSET - WALL GYSPUM (WHITE)	Gray Non-Fibrous Homogeneous	6% Cellulose	73% Gypsum 21% Non-fibrous (other)	None Detected
031116-6B <i>031606754-0022</i>	2ND FL CUSTODIAL CLOSET - WALL GYSPUM (WHITE)	Brown/Gray Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
031116-7A <i>031606754-0023</i>	2F KITCHEN - CEILING SKIM PLASTER (WHITE)	White Non-Fibrous Homogeneous		18% Gypsum 46% Ca Carbonate 36% Non-fibrous (other)	None Detected
031116-7B <i>031606754-0024</i>	2F KITCHEN - CEILING SKIM PLASTER (WHITE)	White Non-Fibrous Homogeneous		23% Gypsum 53% Ca Carbonate 24% Non-fibrous (other)	None Detected
031116-7C <i>031606754-0025</i>	1E KITCHEN - CEILING SKIM PLASTER (WHITE)	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	None Detected
031116-8A <i>031606754-0026</i>	2F KITCHEN - CEILING BASE PLASER (GRAY)	Brown Non-Fibrous Homogeneous		37% Quartz 4% Mica 22% Gypsum 37% Non-fibrous (other)	None Detected
031116-8B <i>031606754-0027</i>	2F KITCHEN - CEILING BASE PLASER (GRAY)	Brown Non-Fibrous Homogeneous	2% Cellulose	40% Quartz 22% Gypsum 36% Non-fibrous (other)	None Detected
031116-8C <i>031606754-0028</i>	1E KITCHEN - CEILING BASE PLASER (GRAY)	Gray Non-Fibrous Homogeneous		45% Quartz 35% Gypsum 20% Non-fibrous (other)	None Detected
031116-9A <i>031606754-0029</i>	2B LIVING ROOM - BEIGE CEILING GLUE	Yellow Non-Fibrous Homogeneous		75% Matrix 25% Non-fibrous (other)	None Detected
031116-9B <i>031606754-0030</i>	2B LIVING ROOM - BEIGE CEILING GLUE	Yellow Non-Fibrous Homogeneous	10% Cellulose	85% Matrix 5% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
031116-10A <i>031606754-0031</i>	2A BATHROOM - CLOTH PIPE WRAP (GRAY)	Gray Non-Fibrous Homogeneous		12% Quartz 33% Ca Carbonate 41% Non-fibrous (other)	14% Chrysotile
031116-10B <i>031606754-0032</i>	2A BATHROOM - CLOTH PIPE WRAP (GRAY)	Gray Fibrous Homogeneous		45% Ca Carbonate 40% Non-fibrous (other)	15% Chrysotile
031116-11A <i>031606754-0033</i>	2F BEDROOM CLOSET - WALL DEBRIS (GRAY)	Gray Fibrous Homogeneous		15% Ca Carbonate 70% Non-fibrous (other)	15% Chrysotile
031116-11B <i>031606754-0034</i>	2F BEDROOM CLOSET - WALL DEBRIS (GRAY)	Gray Non-Fibrous Homogeneous		50% Ca Carbonate 25% Non-fibrous (other)	25% Chrysotile
031116-12A <i>031606754-0035</i>	2C BEDROOM CLOSET - PIPE INSULATION (WHITE)	Gray Non-Fibrous Homogeneous		88% Non-fibrous (other)	12% Chrysotile
031116-12B <i>031606754-0036</i>	2C BEDROOM CLOSET - PIPE INSULATION (WHITE)	Gray Fibrous Homogeneous		35% Ca Carbonate 45% Non-fibrous (other)	20% Chrysotile
031116-13A <i>031606754-0037</i>	2E BEDROOM - BROWN COVE BASE ADHESIVE	Brown Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (other)	None Detected
031116-13B <i>031606754-0038</i>	2D BEDROOM - BROWN COVE BASE ADHESIVE	Brown Non-Fibrous Homogeneous	2% Fibrous (other)	80% Matrix 18% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
031116-14A <i>031606754-0039</i>	2F BEDROOM CLOSET - VAPOR BARRIER (BLACK)	Black Non-Fibrous Homogeneous		14% Quartz 60% Matrix 26% Non-fibrous (other)	None Detected
031116-14B <i>031606754-0040</i>	2F BEDROOM CLOSET - VAPOR BARRIER (BLACK)	Black Non-Fibrous Homogeneous		92% Matrix 8% Non-fibrous (other)	None Detected
031116-15A <i>031606754-0041</i>	2F BEDROOM CLOSET - FOIL VAPOR BARRIER	Brown/Silver Fibrous Homogeneous	67% Cellulose	33% Non-fibrous (other)	None Detected
031116-15B <i>031606754-0042</i>	2F BEDROOM CLOSET - FOIL VAPOR BARRIER	Brown/Silver Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)	None Detected
031116-16A <i>031606754-0043</i>	FRONT STAIRS - YELLOW ADHESIVE FOR STAIR COVER	Brown Non-Fibrous Homogeneous		70% Matrix 27% Non-fibrous (other)	3% Chrysotile
031116-16B <i>031606754-0044</i>	FRONT STAIRS - YELLOW ADHESIVE FOR STAIR COVER	Brown Non-Fibrous Homogeneous		88% Matrix 10% Non-fibrous (other)	2% Chrysotile
031116-17A <i>031606754-0045</i>	2ND FLOOR CORRIDOR - 9 X 9 DARK BROWN FLOOR TILE	Brown Non-Fibrous Homogeneous		20% Quartz 71% Non-fibrous (other)	9% Chrysotile
031116-17B <i>031606754-0046</i>	1ST FLOOR ENTRANCE - 9 X 9 DARK BROWN FLOOR TILE	Brown Non-Fibrous Homogeneous		60% Ca Carbonate 30% Matrix 5% Non-fibrous (other)	5% Chrysotile

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031116-18A 031606754-0047	2ND FLOOR CORRIDOR - BLACK MASTIC FOR 9 X 9 DARK BROWN FLOOR TILE	Black Non-Fibrous Homogeneous		65% Matrix 35% Non-fibrous (other)	None Detected
031116-18B 031606754-0048	1ST FLOOR ENTRANCE - BLACK MASTIC FOR 9 X 9 DARK BROWN FLOOR TILE	Black Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (other)	None Detected
031116-19A 031606754-0049	2D LIVING ROOM - 9 X 9 LIGHT BROWN FLOOR TILE	Tan Non-Fibrous Homogeneous		94% Non-fibrous (other)	6% Chrysotile
031116-19B 031606754-0050	1B LIVING ROOM - 9 X 9 LIGHT BROWN FLOOR TILE	Brown Non-Fibrous Homogeneous		60% Ca Carbonate 35% Matrix 1% Non-fibrous (other)	4% Chrysotile
031116-20A 031606754-0051	2D LIVING ROOM - BLACK MASTIC FOR 9 X 9 LIGHT BROWN FLOOR TILE	Black Non-Fibrous Homogeneous	3% Cellulose	60% Matrix 37% Non-fibrous (other)	None Detected
031116-20B 031606754-0052	1B LIVING ROOM - BLACK MASTIC FOR 9 X 9 LIGHT BROWN FLOOR TILE	Black Non-Fibrous Homogeneous		88% Matrix 12% Non-fibrous (other)	None Detected
031116-21A 031606754-0053	2B BEDROOM - 9 X 9 GRAY FLOOR TILE	Gray Non-Fibrous Homogeneous		92% Non-fibrous (other)	8% Chrysotile

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031116-21B <i>031606754-0054</i>	2B BEDROOM - 9 X 9 GRAY FLOOR TILE	Green Non-Fibrous Homogeneous		60% Ca Carbonate 35% Matrix 1% Non-fibrous (other)	4% Chrysotile
031116-22A <i>031606754-0055</i>	2B BEDROOM - BLACK MASTIC FOR 9 X 9 GRAY FLOOR TILE	Black Non-Fibrous Homogeneous		65% Matrix 35% Non-fibrous (other)	None Detected
031116-22B <i>031606754-0056</i>	2B BEDROOM - BLACK MASTIC FOR 9 X 9 GRAY FLOOR TILE	Black Non-Fibrous Homogeneous	12% Cellulose	85% Matrix 3% Non-fibrous (other)	None Detected
031116-23A <i>031606754-0057</i>	2E LIVING ROOM - 9 X 9 LIGHT GREEN FLOOR TILE	Green Non-Fibrous Homogeneous		92% Non-fibrous (other)	8% Chrysotile
031116-23B <i>031606754-0058</i>	1E LIVING ROOM - 9 X 9 LIGHT GREEN FLOOR TILE	Green Non-Fibrous Homogeneous		55% Ca Carbonate 40% Matrix 0% Non-fibrous (other)	5% Chrysotile
031116-24A <i>031606754-0059</i>	2E LIVING ROOM - BLACK MASTIC FOR 9 X 9 LIGHT GREEN FLOOR TILE	Black Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (other)	None Detected
031116-24B <i>031606754-0060</i>	1E LIVING ROOM - BLACK MASTIC FOR 9 X 9 LIGHT GREEN FLOOR TILE	Black Non-Fibrous Homogeneous		5% Quartz 85% Matrix 10% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 03/14/2016 13:51:28

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com>[manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order:	031606754
CustomerID:	ATCE54
CustomerPO:	16-10133-0001
ProjectID:	

Attn: **Ed Fennell**  
**ATC Group Services LLC**  
**290 Roberts Street**  
**Suite 301**  
**East Hartford, CT 06108**

Phone: (860) 282-9924  
 Fax: (860) 282-9826  
 Received: 03/12/16 11:31 AM  
 Analysis Date: 3/14/2016  
 Collected: 3/11/2016

Project: 2257316016/ CTDCS/ BUILDING 60 - VA/ ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
031116-25A <i>031606754-0061</i>	2E LIVING ROOM - 9 X 9 DARK GREEN FLOOR TILE	Green Non-Fibrous Homogeneous		94% Non-fibrous (other)	6% <b>Chrysotile</b>
031116-25B <i>031606754-0062</i>	1C LIVING ROOM - 9 X 9 DARK GREEN FLOOR TILE	Green Non-Fibrous Homogeneous		60% Ca Carbonate 30% Matrix 6% Non-fibrous (other)	4% <b>Chrysotile</b>
031116-26A <i>031606754-0063</i>	2E LIVING ROOM - BLACK MASTIC FOR 9 X 9 DARK GREEN FLOOR TILE	Black Non-Fibrous Homogeneous		66% Matrix 34% Non-fibrous (other)	<b>None Detected</b>
031116-26B <i>031606754-0064</i>	1C LIVING ROOM - BLACK MASTIC FOR 9 X 9 DARK GREEN FLOOR TILE	Black Non-Fibrous Homogeneous		85% Matrix 15% Non-fibrous (other)	<b>None Detected</b>
031116-27A <i>031606754-0065</i>	1B LIVING ROOM CLOSET - 12 X 12 BEIGE FLOOR TILE	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% <b>Chrysotile</b>
031116-27B <i>031606754-0066</i>	1B LIVING ROOM CLOSET - 12 X 12 BEIGE FLOOR TILE	Brown Non-Fibrous Homogeneous		60% Ca Carbonate 35% Matrix 2% Non-fibrous (other)	3% <b>Chrysotile</b>
031116-28A <i>031606754-0067</i>	1B LIVING ROOM CLOSET - BLACK MASTIC FOR 12 X 12 BEIGE FLOOR TILE	Black Non-Fibrous Homogeneous	5% Synthetic	60% Matrix 35% Non-fibrous (other)	<b>None Detected</b>

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 03/14/2016 13:51:28

**EMSL Analytical, Inc.**

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<http://www.EMSL.com>[manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order:	031606754
CustomerID:	ATCE54
CustomerPO:	16-10133-0001
ProjectID:	

Attn: **Ed Fennell**  
**ATC Group Services LLC**  
**290 Roberts Street**  
**Suite 301**  
**East Hartford, CT 06108**

Phone: (860) 282-9924  
 Fax: (860) 282-9826  
 Received: 03/12/16 11:31 AM  
 Analysis Date: 3/14/2016  
 Collected: 3/11/2016

Project: 2257316016/ CTDCS/ BUILDING 60 - VA/ ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
031116-28B <i>031606754-0068</i>	1B LIVING ROOM CLOSET - BLACK MASTIC FOR 12 X 12 BEIGE FLOOR TILE	Black Non-Fibrous Homogeneous		75% Matrix 25% Non-fibrous (other)	None Detected
031116-29A <i>031606754-0069</i>	1E KITCHEN - 12 X 12 WHITE SELF ADHESIVE FLOOR TILE	Gray Non-Fibrous Homogeneous		22% Quartz 78% Non-fibrous (other)	None Detected
031116-29B <i>031606754-0070</i>	1E KITCHEN - 12 X 12 WHITE SELF ADHESIVE FLOOR TILE	Tan Non-Fibrous Homogeneous		45% Ca Carbonate 40% Matrix 15% Non-fibrous (other)	None Detected
031116-30A <i>031606754-0071</i>	1E KITCHEN - 1" SINK TRIM (BLACK)	Black Non-Fibrous Homogeneous		21% Ca Carbonate 74% Non-fibrous (other)	5% Chrysotile
Analysis includes black tar on sink trim.					
031116-30B <i>031606754-0072</i>	1E KITCHEN - 1" SINK TRIM (BLACK)	Black Non-Fibrous Homogeneous		25% Ca Carbonate 73% Non-fibrous (other)	2% Chrysotile
Analysis include black tar which include chrysotile.					
031116-31A <i>031606754-0073</i>	1E KITCHEN - BLACK MASTIC FOR 1" SINK TRIM (BLACK)	Black Non-Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile
031116-31B <i>031606754-0074</i>	1E KITCHEN - BLACK MASTIC FOR 1" SINK TRIM (BLACK)	Black Non-Fibrous Homogeneous		75% Matrix 22% Non-fibrous (other)	3% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 03/14/2016 13:51:28

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EMSL Order:	031606754
CustomerID:	ATCE54
CustomerPO:	16-10133-0001
ProjectID:	

Attn: **Ed Fennell**  
**ATC Group Services LLC**  
**290 Roberts Street**  
**Suite 301**  
**East Hartford, CT 06108**

Phone: (860) 282-9924  
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 Received: 03/12/16 11:31 AM  
 Analysis Date: 3/14/2016  
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Project: 2257316016/ CTDCS/ BUILDING 60 - VA/ ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
031116-32A <i>031606754-0075</i>	1ST FLOOR ENTRANCE - EXTERIOR DOOR FRAME CAULK (GRAY)	Gray Non-Fibrous Homogeneous		34% Ca Carbonate 63% Non-fibrous (other)	3% Chrysotile
031116-32B <i>031606754-0076</i>	1ST FLOOR ENTRANCE - EXTERIOR DOOR FRAME CAULK (GRAY)	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 70% Non-fibrous (other)	5% Chrysotile
031116-33A <i>031606754-0077</i>	2B LIVING ROOM - EXTERIOR WINDOW GLAZE (GRAY)	Gray Non-Fibrous Homogeneous		36% Ca Carbonate 64% Non-fibrous (other)	None Detected
031116-33B <i>031606754-0078</i>	2B LIVING ROOM - EXTERIOR WINDOW GLAZE (GRAY)	Gray Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (other)	None Detected
031116-34A <i>031606754-0079</i>	OUTSIDE 2B - EXTERIOR CAULK ON STONE LEDGE (GRAY)	Gray Non-Fibrous Homogeneous		45% Ca Carbonate 51% Non-fibrous (other)	4% Chrysotile
031116-34B <i>031606754-0080</i>	OUTSIDE 2B - EXTERIOR CAULK ON STONE LEDGE (GRAY)	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 67% Non-fibrous (other)	8% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 03/14/2016 13:51:28

**EMSL Analytical, Inc.**

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<http://www.EMSL.com>[manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order:	031606754
CustomerID:	ATCE54
CustomerPO:	16-10133-0001
ProjectID:	

Attn: **Ed Fennell**  
**ATC Group Services LLC**  
**290 Roberts Street**  
**Suite 301**  
**East Hartford, CT 06108**

Phone: (860) 282-9924  
 Fax: (860) 282-9826  
 Received: 03/12/16 11:31 AM  
 Analysis Date: 3/14/2016  
 Collected: 3/11/2016

Project: 2257316016/ CTDCS/ BUILDING 60 - VA/ ROCKY HILL, CT

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
031116-35A <i>031606754-0081</i>	1ST FLOOR ENTRANCE - FRONT INTERIOR DOOR FRAME MASTIC (BLACK)	Black Non-Fibrous Homogeneous		33% Ca Carbonate 62% Non-fibrous (other)	5% Chrysotile
031116-35B <i>031606754-0082</i>	1ST FLOOR ENTRANCE - FRONT INTERIOR DOOR FRAME MASTIC (BLACK)	Black Non-Fibrous Homogeneous		85% Matrix 10% Non-fibrous (other)	5% Chrysotile
031116-36A <i>031606754-0083</i>	EXTERIOR FOUNDATION - BLACK VAPOR BARRIER ON EXTERIOR FOUNDATION	Black Non-Fibrous Homogeneous		44% Matrix 48% Non-fibrous (other)	8% Chrysotile
031116-36B <i>031606754-0084</i>	EXTERIOR FOUNDATION - BLACK VAPOR BARRIER ON EXTERIOR FOUNDATION	Black Non-Fibrous Homogeneous		80% Matrix 12% Non-fibrous (other)	8% Chrysotile
031116-37A <i>031606754-0085</i>	EXTERIOR FOUNDATION - BLACK VAPOR BARRIER ON METAL ON FOUNDATION	Black Non-Fibrous Homogeneous		12% Quartz 63% Matrix 25% Non-fibrous (other)	None Detected
031116-37B <i>031606754-0086</i>	EXTERIOR FOUNDATION - BLACK VAPOR BARRIER ON EXTERIOR FOUNDATION	Black Non-Fibrous Homogeneous		15% Quartz 65% Matrix 20% Non-fibrous (other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 03/14/2016 13:51:28



**EMSL Analytical, Inc.**

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EMSL Order: 031606754  
CustomerID: ATCE54  
CustomerPO: 16-10133-0001  
ProjectID:

Attn: **Ed Fennell**  
**ATC Group Services LLC**  
**290 Roberts Street**  
**Suite 301**  
**East Hartford, CT 06108**

Phone: (860) 282-9924  
Fax: (860) 282-9826  
Received: 03/12/16 11:31 AM  
Analysis Date: 3/14/2016  
Collected: 3/11/2016

Project: **2257316016/ CTDCS/ BUILDING 60 - VA/ ROCKY HILL, CT**

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

**Report Comments:**

Sample Receipt Date:: 3/12/2016      Sample Receipt Time: 11:31 AM  
Analysis Completed Date: 3/14/2016      Analysis Completed Time: 12:19 PM

**Analyst(s):**

Deen Liang PLM (49)

Emily Myint PLM (37)

**Samples reviewed and approved by:**

James Hall, Laboratory Manager  
or other approved signatory

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Initial report from 03/14/2016 13:51:28

031606754



**BULK SAMPLE LOG**

CONTACT ED.FENNELL@ATCASSOCIATES.COM (860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <b>CARMEN JACKS</b>		Client Name: <b>CTDCS</b>						
Accreditation No.: <b>812</b>		Project No./Task No.: <b>2257316016</b>						
Survey Date: <b>3-11-2016</b>		Project Manager: <b>ED FENNELL</b>						
Signature: <i>[Signature]</i>		Requested Completion Date: _____						
Lab Name: <b>EMSL</b>	Requested turnaround time (circle) <b>3 HR</b>	<b>6 HR</b>	<b>24 HR</b>					
Building: <b>BUILDING 60 - YA</b>	Address: <b>ROCKY HILL, CT</b>	<b>48 HR</b>	<b>3 DY</b>					
		<b>5 DY</b>	No. Samples Collected <b>86</b>					
Location	Material Description	Type S	TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of (homogeneous material)	Field Number
2B LIVING ROOM	1'x1' RANDOM HOLE						1	031116-60-1A
2B LIVING ROOM	CEILING TILE						2	-1B
2B LIVING	DARK BROWN GLUE DAUBS						1	-2A
2B LIVING	BENEATH 1'x1' CT						2	-2B
2D LIVING	CEILING GYPSUM BOARD						1	-3A
2E LIVING							2	-3B
2D BEDROOM	WALL PLASTER SKIM						1	-4A
CUSTODIAL CL HALL	(WHITE)						2	-4B
2B BED CLOSET							3	-4C
2F BED CLOSET							4	-4D
CUST SUPPLY CL							5	-4E
1ST FL S CORRIDOR							6	-4F
1E BED CLO.							7	-4G
<del>2D BEDROOM</del>								
2D BEDROOM	WALL PLASTER BASE						1	-5A
CUSTODIAL CL	(GRAY)						2	-5B

MS RECEIVED  
15 MAR 12 AM 11:15  
MANHATTAN LAB

Notes  
Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft -1.6ft ->6ft) Ventilation (yes-no; if yes, type) Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct) Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low) Friability (yes-no; hard-mod-soft surface); Barriers (perm airtight-enclosed-encapsulated); Texture (rough-pitted-moderate-smooth)

Relinquished By/Date: *[Signature]* 3-11-2016  
Relinquished By/Date: *[Signature]* 3/12/16 11:50am

Received By/Date: *[Signature]* 3/14/16  
Received By/Date: \_\_\_\_\_

ANALYZE PLM

031606754

DC 3/14/16  
JAN

FX 8079 347-7063



031606754



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <b>CARMEN JACKS</b>		Client Name: <b>CTDCS</b>					
Accreditation No.: <b>812</b>		Project No./Task No.: <b>2257312016</b>					
Survey Date: <b>3-11-2016</b>		Project Manager: <b>ED FENNELL</b>					
Signature: <i>[Signature]</i>		Requested Completion Date:					
Lab Name: <b>EMSL</b>	Requested turnaround time (circle) <b>3 HR</b>	<b>6 HR</b>	<b>24 HR</b>				
Building: <b>BUILDING 60 - VA</b>		<b>48 HR</b>	<b>3 DY</b>				
Address: <b>ROCKY HILL, CT</b>		<b>5 DY</b>	No. Samples Collected <b>86</b>				
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
2B BED CLOSET	WALL PLASTER BASE (GRAY)					3	03111L-60-5C
2F BED CLOSET						4	-5D
CUST. SUPPLY CL							5
1ST FL S CORRIDOR	I					6	-5F
1B BED CLOSET						7	-5G
2ND FL CUST CL	WALL GYPSUM (WHITE)					1	-6A
2F KITCHEN	CEILING SKIM PLASTER (WHITE)					2	-6B
2F KITCHEN						1	-7A
1B KITCHEN	I					2	-7B
2F KITCHEN	CEILING BASE PLASTER (GRAY)					3	-7C
2F KITCHEN						1	-8A
1E KITCHEN	I					2	-8B
						3	-8C

Comments: **ANALYZE PLM**

Notes  
Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none) Deterioration (heavy-moderate-light-none) Friability (yes-no; hard-mod-soft surface)  
Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable) Vibration (gym-music rm-auditorium-mechanical m-elevator-other) Barriers (perm airtight-enclosed-encapsulated)  
Ventilation (yes-no; if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct) Air movement (high-moderate-low) Texture (rough-pitted-moderate-smooth)

Received By/Date: Santhia K. Delyly 3/12/16 11:31am  
Received By/Date: pc 3/14/16 7 am

Relinquished By/Date: 3-11-2016  
Relinquished By/Date: Emily August 3.14.16 12:22

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

**BULK SAMPLE LOG**



Cardno ATC Inspector: **CARMEN JACKO** Client Name: **CTDCS**

Accreditation No.: **812** Project No./Task No.: **2257316016**

Survey Date: **3-11-2016** Project Manager: **ED FENNEL**

Signature: *[Signature]* Requested Completion Date: \_\_\_\_\_

Lab Name: **EMSL** Requested turnaround time (circle) **3 HR** **6 HR** **24 HR** **48 HR** **3 DY** **5 DY** No. Samples Collected: **16**

Building: **BUILDING 60 - VA** Address: **ROCKY HILL, CT**

Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
3B LIVING RM	BEIGE CEILING GLUE					1 2	03116-60-9A
2A BATHROOM	CLOTH PIPE WRAP (GRAY)					1 2	-9B
2F BED CLOSET	WALL DEBRIS (GRAY)					1 2	-10A
2C BED CLOSET	PIPE INSULATION (WHITE)					1 2	-10B
2E BEDROOM	BROWN COFF BASE ADHESIVE					1 2	-11A
2D BEDROOM	VAPOR BARRIER (BLACK)					1 2	-11B
2F BED CLOSET	POIL VAPOR BARRIER					1 2	-12A
FRONT STAIRS	YELLOW ADHESIVE FOR STAIR COVER					1 2	-12B
	<b>ANALYZE PLM</b>					1 2	-13A
						1 2	-13B
						1 2	-14A
						1 2	-14B
						1 2	-15A
						1 2	-15B
						1 2	-16A
						1 2	-16B

Comments:

Notes: Friability (yes-no; hard-mod-soft surface)  
 Damage Factors: Barriers (perm airtight-enclosed-encapsulated)  
 Disturbance Factors: Texture (rough-pitted/moderate-smooth)

Relinquished By/Date: *[Signature]* Received By/Date: *[Signature]* 3/12/16 11:31a  
 Relinquished By/Date: *[Signature]* Received By/Date: *[Signature]* 3/14/16

*031606754*



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031606754

Cardno ATC Inspector: <b>CARMEN JACKS</b>		Client Name: <b>QTDGS</b>					
Accreditation No.: <b>812</b>		Project No./Task No.: <b>Z257316016</b>					
Survey Date: <b>3-11-2016</b>		Project Manager: <b>ED FENNELL</b>					
Signature: <i>[Signature]</i>		Requested Completion Date: _____					
Lab Name: <b>EMSL</b>		Requested turnaround time (circle) <b>3 HR</b> 6 HR 24 HR <b>48 HR</b> 3 DY 5 DY					
Building: <b>BUILDING 60 - Y4B</b>		Address: <b>ROCKY HILL, CT</b>					
Location	Material Description	Type S TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
2ND FL CORRIDOR	9 x 9 DARK BROWN FLOOR TILE					1	231116-60-179A
1ST FL ENTRANCE	BLACK MASTIC FOR 9x9					2	-17B
2ND FL CORRIDOR	DARK BROWN FLOOR TILES					1	-18A
1ST FL ENTRANCE	9 x 9 LIGHT BROWN FLOOR TILES					2	-18B
2D LIVING RM	BLACK MASTIC FOR 9x9					1	-19A
1D LIVING RM	LIGHT BROWN FLOOR TILES					2	-19B
2D LIVING RM	9 x 9 GRAY FLOOR TILE					1	-20A
1D LIVING RM	BLACK MASTIC FOR 9x9					2	-20B
2B BEDROOM	LIGHT BROWN FLOOR TILES					1	-21A
	9 x 9 GRAY FLOOR TILE					2	-21B
2B BEDROOM	BLACK MASTIC FOR					1	-22A
	GRAY 9 x 9 FLOOR TILE					2	-22B
2E LIVING RM	9 x 9 LIGHT GREEN FLOOR TILE					1	-23A
1E LIVING RM	BLACK MASTIC FOR 9x9					2	-23B
2E LIVING RM	LIGHT GREEN FLOOR TILES					1	-24A
1E LIVING RM						2	-24B

Comments:

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft- 1-6ft- >6ft)  
 Disturbance Factors: Ventilation (yes-no; if yes, type) \_\_\_\_\_  
 Friability (yes-no; hard-mod-soft surface) \_\_\_\_\_  
 Barriers (perm airtight-enclosed-encapsulated) \_\_\_\_\_  
 Texture (rough-pitted-moderate-smooth) \_\_\_\_\_  
 Deterioration (heavy-moderate-light-none) \_\_\_\_\_  
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) \_\_\_\_\_  
 Air movement (high-moderate-low) \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_

*[Signature]*  
 3-11-2016  
 Received By/Date: \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_  
 03/14/16  
 7 AM

Emily Nye 3-14-16 12:22



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
 East Hartford, CT 06108  
 (860) 282-9924 Fax: (860) 282-9826

031606754

Cardno ATC Inspector: <b>CARMEN JACKS</b>		Client Name: <b>CTDCS</b>					
Accreditation No.: <b>812</b>		Project No./Task No.: <b>2257312016</b>					
Survey Date: <b>3-17-2016</b>		Project Manager: <b>ED FENNELL</b>					
Signature: <i>[Signature]</i>		Requested Completion Date: _____					
Lab Name: <b>EMSL</b>	Requested turnaround time (circle) <b>3 HR</b>	<b>6 HR</b>	<b>24 HR</b>				
Building: <b>BUILDING 60 - YA</b>		Address: <b>ROCKY HILL, CT</b>					
Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
2E LIVING RM	9 X 9 DARK GREEN FLOOR TILE					1 2	031116-60-25A
1C LIVING RM	BLACK MASTIC FOR 9 X 9 DARK GREEN FLOOR TILE					1 2	-25B
2E LIVING RM	12 X 12 BEIGE FLOOR TILE					1 2	-26A
1C LIVING RM	BLACK MASTIC FOR 12 X 12 BEIGE FLOOR TILE					1 2	-26B
1E KITCHEN	12 X 12 WHITE SELF ADHESIVE FLOOR TILE					1 2	-27A
1E KITCHEN	1" SINK TRIM (BLACK)					1 2	-27B
1E KITCHEN	BLACK MASTIC FOR 1" SINK TRIM					1 2	-28A
1ST FL ENTANG	EXTERIOR DOOR FRAME CAULK (GRAY)					1 2	-28B
	<b>ANALYZE PLM</b>					1 2	-29A
						1 2	-30A
						1 2	-30B
						1 2	-31A
						1 2	-31B
						1 2	-32A
						1 2	-32B

**Comments:**

Notes  
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-  
 none)  
 Disturbance Factors: Proximity (<1ft- 1-6ft- >6ft) Accessibility (within reach-barely  
 reachable-not reachable)  
 Friability (yes-no; if yes, type) Air conduits (air plenum - air shaft -  
 elevator shaft - duct)  
 Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other)  
 Barriers (perm airtight-moderate-encapsulated) Air movement (high-moderate-low)

Relinquished By/Date: \_\_\_\_\_  
 Relinquished By/Date: \_\_\_\_\_

Received By/Date: \_\_\_\_\_  
 Received By/Date: \_\_\_\_\_

*[Handwritten signature]*  
 3/17/16 11:31am  
 3/17/16  
 7A

*[Handwritten signature]*  
 3-11-2016  
 3-14-16 12:22

431606754



# BULK SAMPLE LOG

290 Roberts Street, Suite 301  
East Hartford, CT 06108  
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: <b>CARMEN JACKO</b>		Client Name: <b>CTDCS</b>	
Accreditation No.: <b>812</b>		Project No./Task No.: <b>2257316012</b>	
Survey Date: <b>3-11-2016</b>		Project Manager: <b>ED FENNEL</b>	
Signature: <i>[Signature]</i>		Requested Completion Date:	
Lab Name: <b>EMSL</b>	Requested turnaround time (circle) <b>3 HR</b>	<b>6 HR</b>	<b>24 HR</b>
Building: <b>BUILDING 60 - VA</b>		<b>48 HR</b>	<b>3 DY</b>
Address: <b>Rocky Hill, CT</b>		<b>5 DY</b>	No. Samples Collected: <b>86</b>

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
2B Living RM	EXTERIOR WINDOW GLAZER (GRAY)					1	031116-60-33A
0/S 2B	EXTERIOR CAULK ON STONE LEDGES (GRAY)					2	-33B
1ST PLANT.	FRONT INTERIOR DOOR FRAME MASTIC (BLACK)					1	-34A
EXT FOUNDATION	BLACK VAPOR BARRIER ON EXTERIOR FOUNDATION					2	-34B
	BLACK VAPOR BARRIER ON METAL ON FOUNDATION					1	-35A
						2	-35B
						1	-36A
						2	-36B
						1	-37A
						2	-37B

ANALYZE PLM

Comments:

Notes  
Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight none)  
Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable)  
Relinquished By/Date: *[Signature]* 3-11-2016  
Relinquished By/Date: Emily Myint 3.14.16 12:22

Received By/Date: *[Signature]* 3/12/16 11:30am  
Received By/Date: *[Signature]* 3/14/16 7am

Triability (yes-no; hard-mod-soft surface)  
Barriers (perm airtight-pitted-moderate-smooth)  
Textures (rough-pitted-moderate-smooth)

**APPENDIX A**  
**LICENSE AND CERTIFICATION**

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State of Connecticut

**Lookup Detail View**

Name

<b>Name</b>
CARMEN J JACKO

License Information  
lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	812	09/30/2016	05/31/2012	CARMEN J JACKO	ACTIVE	None

Generated on: 10/5/2015 8:25:23 AM

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Carmen Jacko**

*has successfully completed the*  
**Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**Cardno ATC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**



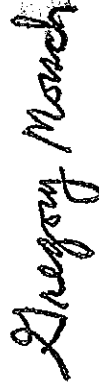
*Principal Instructor: Marc Sautra*

*Date of Course*

**April 16, 2015**

*Expiration Date*

**April 16, 2016**



*Regional Training Manager: Gregory Morsch*

*Certificate Number*

**SLAR-5145**

*Examination Date*

**April 16, 2015**



**APPENDIX B**  
**DRAWINGS**



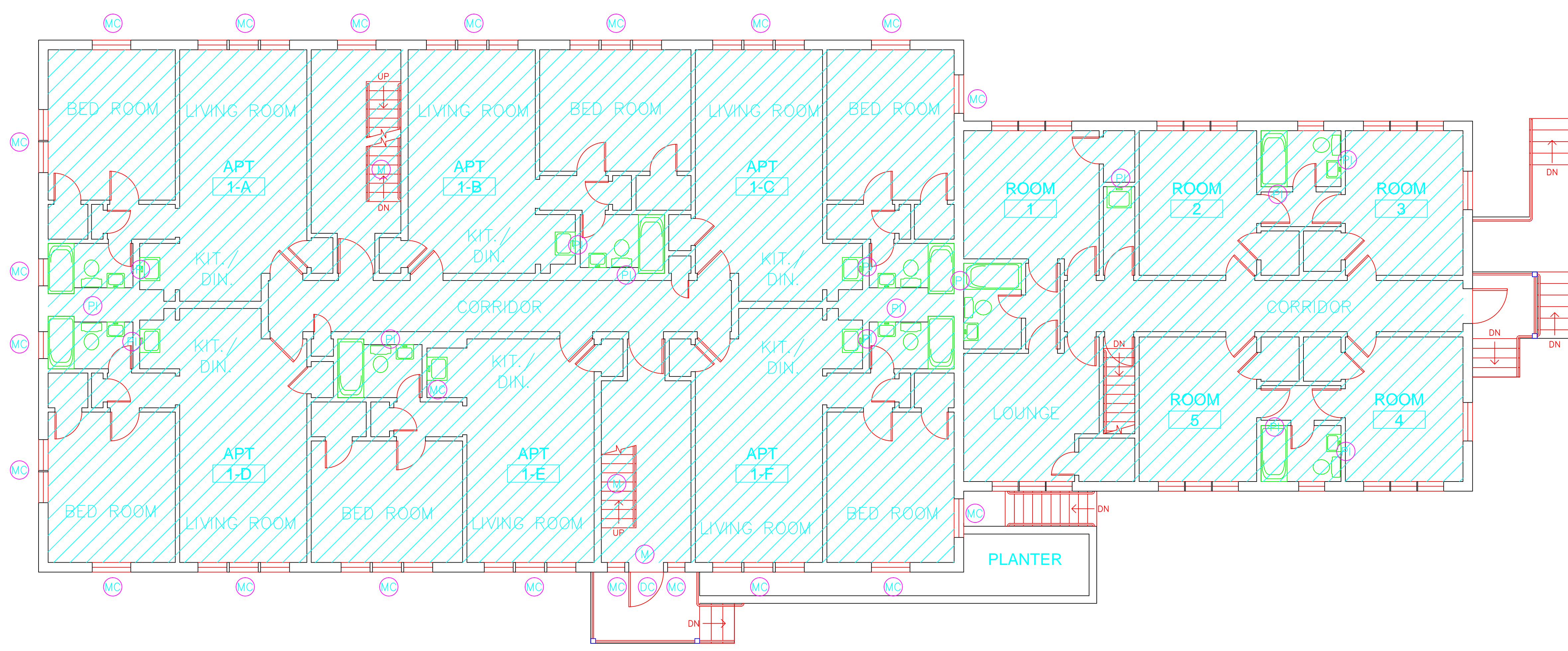


**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	= AMOSITE
BI	= BREECING INSULATION
CA	= CARPET ADHESIVE
CB	= COVE BASE
CBA	= COVE BASE ADHESIVE
CC	= CEMENTITIOUS CEILING
CFTA	= CERAMIC FLOOR TILE ADHESIVE
CFTG	= CERAMIC FLOOR TILE GROUT
CFTSC	= CERAMIC FLOOR TILE SETTING COMPOUND
CH	= CHRYSOTILE
CO	= COUNTERTOP
CT	= CEILING TILE
CWTA	= CERAMIC WALL TILE ADHESIVE
CWTG	= CERAMIC WALL TILE GROUT
CWTSC	= CERAMIC WALL TILE SETTING COMPUND
DC	= DOOR CAULKING
DG	= DOOR GLAZING
DI	= DUCT INSULATION
DIA	= DUCT INSULATION ADHESIVE
DIW	= DUCT INSULATION WRAP
DS	= DUCT SEALANT
ECAP	= END CAP PACKING
ECOS	= END CAP SEALANT
EFIS	= EXTERIOR FINISH INSULATION SYSTEM
EJF	= EXPANSION JOINT FILLER
FC	= FLEX CONNECTOR
FP	= SPRAY-ON FIREPROOFING
FT	= FLOOR TILE
FTM	= FLOOR TILE MASTIC
GB	= GYPSUM BOARD
GD	= GLUE DAUB
JC	= JOINT COMPOUND
LI	= LINOLEUM
LIA	= LINOLEUM ADHESIVE
LV	= LEVELING COMPOUND
MA	= MISCELLANEOUS ADHESIVE
MC	= MISCELLANEOUS CAULKING
MM	= MISCELLANEOUS MATERIAL
MS	= MISCELLANEOUS SEALANT
N	= NEGATIVE
NA	= NOT ANALYZED
NAD	= NO ASBESTOS DETECTED
NAPS	= NOT ANALYZED POSITIVE STOP
P	= POSITIVE
PF	= POURED FLOORING
PFI	= PIPE FITTING INSULATION
PI	= PIPE INSULATION
PIA	= PIPE INSULATION ADHESIVE
PLCB	= PLASTER CEILING BASE COAT
PLCS	= PLASTER CEILING SKIM COAT
PLWB	= PLASTER WALL BASE COAT
PLWS	= PLASTER WALL SKIM COAT
PM	= PIPE MASTIC
PS	= PENETRATION SEALANT
PSI	= PERIMETER SLAB INSULATION
PW	= PIPE WRAP
SCT	= SUSPENDED CEILING TILE
SU	= SINK UNDERCOAT
T	= TRANSITE
TC	= TEXTURED COATING
TR	= TRACE
VB	= VAPOR BARRIER
WC	= WINDOW CAULKING
WF	= WALL FLASHING
WG	= WINDOW GLAZING
WP	= WATERPROOFING
WT	= WALL TILE

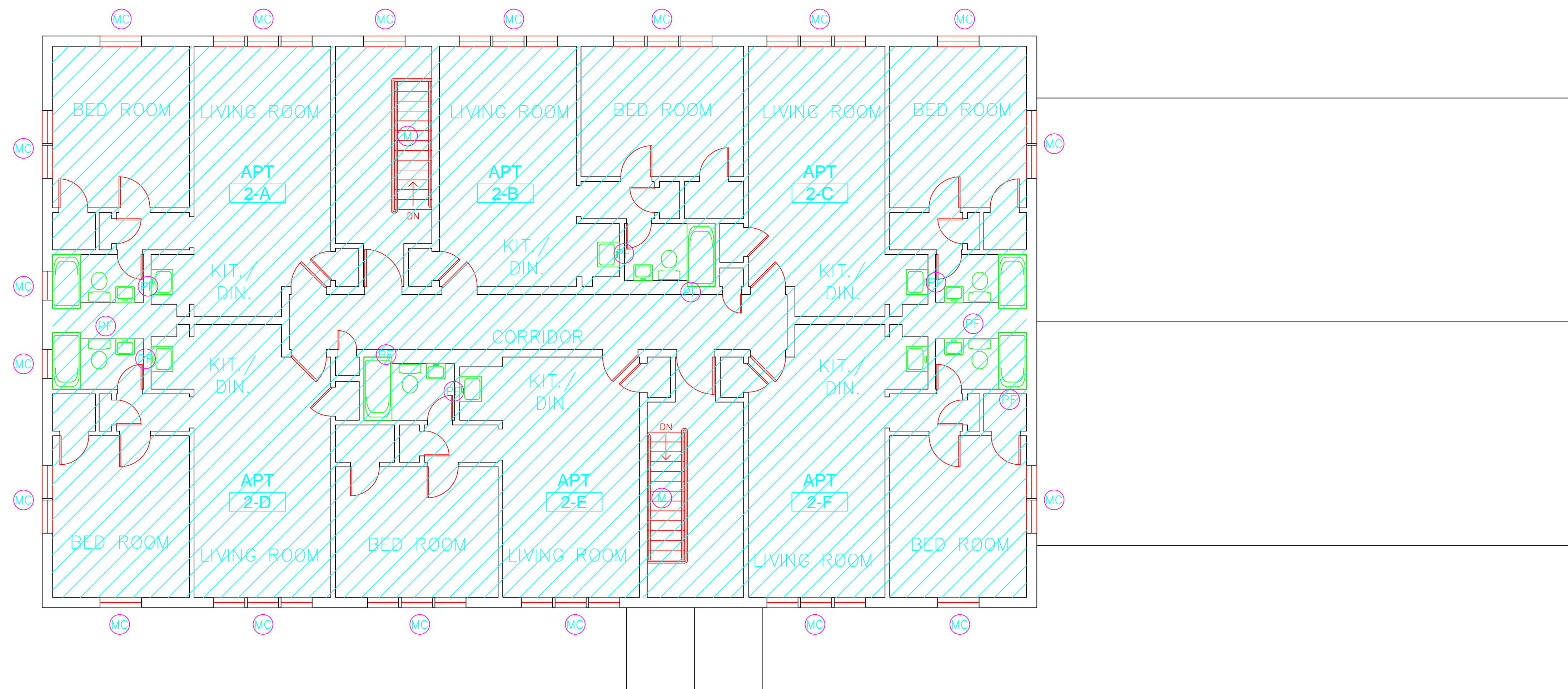


SYMBOL	MATERIAL DESCRIPTION
[Pattern]	ACM RESILIENT FLOORING AND MASTIC
[Pattern]	ACM RESILIENT FLOORING ONLY
[Pattern]	ACM POURED FLOORING
[Pattern]	ACM CEMENT ASBESTOS (TRANSITE) CEILING
[Pattern]	ACM PLASTER CEILING SKIM COAT
[Pattern]	ACM TEXTURED CEILING COATING
[Pattern]	ACM WALL PLASTER
[Pattern]	ACM GLUE DAUBS
[Symbol]	ACM DOOR GLAZE
[Symbol]	ACM DOOR CAULK
[Symbol]	ACM PIPE INSULATION
[Symbol]	ACM PIPE FITTING INSULATION
[Symbol]	ACM DUCT SEALANT
[Symbol]	ACM WINDOW CAULK
[Symbol]	ACM MISCELLANEOUS CAULK
[Symbol]	ACM WINDOW GLAZING
[Symbol]	ACM SHEET FLOORING
[Symbol]	ACM MASTIC ONLY
[Symbol]	ACM JOINT COMPOUND
[Symbol]	DOUBLE LAYER FLOORING

**NOTES**

- NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING
- PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title <b>ACM LOCATION FIRST FLOOR PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
REVISIONS		date 3/17/17	
mark	date	description	drawn by AMW
			approved by EF
		drawing no. ASB-1B	
		290 Roberts Street, Suite 201 Rocky Hill, CT 06067-1000 (860) 261-1000 www.atcinc.com	
BUILDING INSPECTION APARTMENTS BUILDING 60 STATE VETERANS HOME ROCKY HILL, CONNECTICUT		project no. 2257316087	



**SAMPLE LEGEND**

SAMPLE IDENTIFICATION	SAMPLE RESULT
MATERIAL DESCRIPTION	PERCENTAGE AND TYPE OF ASBESTOS

AM	=	AMOSITE
BI	=	BREECING INSULATION
CA	=	CARPET ADHESIVE
CB	=	COVE BASE
CBA	=	COVE BASE ADHESIVE
CC	=	CEMENTITIOUS CEILING
CFTA	=	CERAMIC FLOOR TILE ADHESIVE
CFTG	=	CERAMIC FLOOR TILE GROUT
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CWTG	=	CERAMIC WALL TILE GROUT
CWTSC	=	CERAMIC WALL TILE SETTING COMPU
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DIW	=	DUCT INSULATION WRAP
DS	=	DUCT SEALANT
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EJF	=	EXPANSION JOINT FILLER
FC	=	FLEX CONNECTOR
FP	=	SPRAY-ON FIREPROOFING
FT	=	FLOOR TILE
FTM	=	FLOOR TILE MASTIC
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GD	=	GLUE DAUB
JC	=	JOINT COMPOUND
LI	=	LINOLEUM
LIA	=	LINOLEUM ADHESIVE
LV	=	LEVELING COMPOUND
MA	=	MISCELLANEOUS ADHESIVE
MC	=	MISCELLANEOUS CAULKING
MM	=	MISCELLANEOUS MATERIAL
MS	=	MISCELLANEOUS SEALANT
N	=	NEGATIVE
NA	=	NOT ANALYZED
NAD	=	NO ASBESTOS DETECTED
NAPS	=	NOT ANALYZED POSITIVE STOP
P	=	POSITIVE
PF	=	POURED FLOORING
PFI	=	PIPE FITTING INSULATION
PI	=	PIPE INSULATION
PIA	=	PIPE INSULATION ADHESIVE
PLCB	=	PLASTER CEILING BASE COAT
PLCS	=	PLASTER CEILING SKIM COAT
PLWB	=	PLASTER WALL BASE COAT
PLWS	=	PLASTER WALL SKIM COAT
PM	=	PIPE MASTIC
PS	=	PENETRATION SEALANT
PSI	=	PERIMETER SLAB INSULATION
PW	=	PIPE WRAP
SCT	=	SUSPENDED CEILING TILE
SU	=	SINK UNDERCOAT
T	=	TRANSITE
TC	=	TEXTURED COATING
TR	=	TRACE
VB	=	VAPOR BARRIER
WC	=	WINDOW CAULKING
WF	=	WALL FLASHING
WG	=	WINDOW GLAZING
WP	=	WATERPROOFING
WT	=	WALL TILE

SYMBOL	MATERIAL DESCRIPTION
	ACM RESILIENT FLOORING AND MASTIC
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	ACM POURED FLOORING
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	ACM TEXTURED CEILING COATING
	ACM WALL PLASTER
	ACM GLUE DAUBS
	ACM DOOR GLAZE
	ACM DOOR CAULK
	ACM PIPE INSULATION
	ACM PIPE FITTING INSULATION
	ACM DUCT SEALANT
	ACM WINDOW CAULK
	ACM MISCELLANEOUS CAULK
	ACM WINDOW GLAZING
	ACM SHEET FLOORING
	ACM MASTIC ONLY
	ACM JOINT COMPOUND
	DOUBLE LAYER FLOORING

**NOTES**

-NOT ALL SYMBOLS IN THE LEGEND ARE USED ON THIS DRAWING  
 -PIPE INSULATION AND PIPE FITTING INSULATION MAY BE PRESENT BEHIND WALLS AND CEILINGS

drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF CONSTRUCTION SERVICES	
ACM LOCATION SECOND FLOOR PLAN			
REVISIONS			
mark	date	description	date
			3/17/17
		BUILDING INSPECTION APARTMENTS BUILDING 60 STATE VETERANS HOME ROCKY HILL, CONNECTICUT	
		drawn by <b>AMW</b>	
		approved by <b>EF</b>	
		drawing no. <b>ASB-2B</b>	
CAD no.		project no. 2257316087	