

**CITY OF NORWICH
OFFICE OF DEVELOPMENT
23 UNION STREET
NORWICH, CONNECTICUT 06360**

**CITY OF NORWICH
LEAD PAINT HAZARD CONTROL
PROGRAM
Project LP1636**

**15 Ann Street
Norwich, CT. 06360**

PROJECT SPECIFICATION

Bid-Lead Paint Hazard Control

**CITY OF NORWICH
INVITATION TO BID**

LEAD PAINT HAZARD CONTROL PROGRAM

**Bids for: LP1636
15 Ann Street
Norwich CT.**

BID- Lead Paint Hazard Control

Bids are being sought for the project for the property located at:
The residence at
15 Ann Street
Norwich, Connecticut

This project is being funded through the Property Rehabilitation Program and or HUD Lead Based Paint Hazard Control in Priority Housing Program. Contractors must be aware that the City of Norwich is an Equal Opportunity Employer. Contract documents including the lead abatement plan and property rehabilitation specifications may be obtained from the Office of Community Development, 23 Union Street, Norwich, Connecticut, Office hours are from 8:30 AM to 4:30 PM, Monday thru Friday. **A pre-bid conference will be held on 02-22-19 at 10:00 am. at the project location. Your attendance at that meeting is recommended to bid on this project.**

Sealed bids will be received at the Office of Community Development, 23 Union Street, Norwich, Connecticut until 4:00 PM on 03-01-19, at which time they will be opened and read aloud. The City of Norwich Reserves the right to reject any and all bids, or any part of any bid where such action is deemed to be in the best Interest of the City.

**EQUAL EMPLOYMENT / OPPORTUNITY
AFFIRMATIVE ACTION
FAIR HOUSING AGENCY**

**CITY OF NORWICH
OFFICE OF DEVELOPMENT
23 UNION STREET
NORWICH, CONNECTICUT
860-823-3770**

SPECIFICATIONS FOR THE PROJECT KNOWN AS:

**15 Ann Street
Norwich, CT 06360**

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GENERAL BIDDING INSTRUCTIONS:

1. The contractor is to obtain and review the Project Specifications and prepare a quotation for all work specified on the Company Letterhead and the enclosed bid form.
2. Contractors are urged to attend the Pre-Bid conference on **02-22-19 At 10:00 a.m.** Failure to attend the Pre-Bid conference may result in incomplete bid information.
3. Bid proposals are to be submitted in a sealed envelope addressed as follows:

Community Development, Property Rehabilitation Program
Bid Project: #LP1636 15 Ann Street
-On the outside front of the envelope-

4. **The sealed bid proposals will be received until 4:00 PM on 03-01-19,** at the Office of Community development which time they will be opened and read aloud.
5. It is the contractor's responsibility to ensure they have all the project addendums and changes made to the scope of work prior to the bid due date. Copies of the addendum will be available at the city offices. Copies of addendum are to be attached with each bid. Failure to attach the addendum sheets will disqualify the bidder.

The information contained in this bid package is for the purpose of providing general project specifications of the items included in the scope of work. Code compliance work required by the local building officials and fire marshal will be limited to those items directly relating to lead abatement activities. All other code compliance issues will be the responsibility of the property owner, and will not be funded under this program.

Funding provided under this program will be in the form of a two party check made out to the Property Owner and the Contractor. The Property Owner will authorize the release of the check by personally signing it at the City of Norwich Office of Development. The contractor may then pick up the check or notify the City to mail it to the contractors address listed herein. Contractors should allow a minimum of 15 days for payment of approved invoices. The contract documents further describe the payment process.

Items not included in this specification, that are required for a complete installation or operation are considered part of this specification. All issues pertaining to code compliance should be directed to the Building Official. It is the responsibility of the contractor to secure and pay for all required permits, and terminate all required permits with inspections required by the permitting authority. Copies of all permits to be provided to the City at the time of issue and release.

Prior to the start of any construction activities, the contractor must request a pre-abatement inspection which will review the containment preparations, licensure, and proper set up of construction activities and safety equipment, if the work Specification requires it.

**NOTICE OF INVITATION TO BID
GENERAL INFORMATION**

PROJECT NAME: LP1636
ADDRESS: 15 Ann Street
Norwich, Connecticut, 06360

OWNERS NAME: Corrielus
OWNERS ADDRESS: 15 Ann Street
Norwich CT. 06360

OWNERS PHONE NO: 845-245-1397

For the City of Norwich, Contact:

City of Norwich
Office of Development
23 Union Street
Norwich, CT 06360
(860) 823-3770
Wayne R. Sharkey, Property Rehabilitation, Program Manager
Office hours: Monday – Friday 8:30 am – 4:30 pm

Contractor:

Additional project specifications may be obtained at:

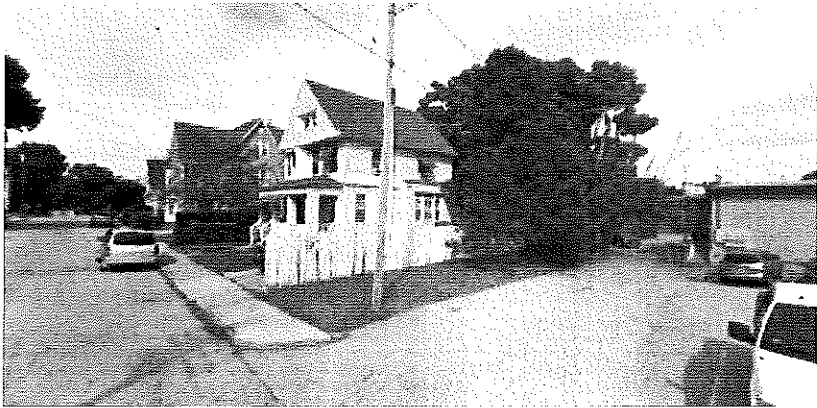
Community Development Office
23 Union Street
Norwich, Connecticut 06360
(860) - 822 - 3770

Project specifications may be obtained during normal business hours 8:30 AM - 4:30 PM,
Monday thru Friday.

15 Ann St



Map data ©2019 Google 500 ft



15 Ann St
Norwich, CT 06360

BIDDING AND GENERAL PROGRAM POLICIES

1. The omission of any items listed in the Basic Bid Package will result in the disqualification of the bid.
2. All addendums and scope changes discussed at the bid walk through will be written up and available at the city office prior to the bid opening date. All addendum and changes to be attached to the bid forms and signed by the contractor. Failure to attach addendum and changes may result in bid disqualification.
3. Bid readings are open to the public. No bid documents will be made available to contractors or the public without supervision at the bid opening. Results of the bidding will be available at the Office of Development the following business day.
4. The City of Norwich reserves the right to reject any bid when it is deemed to be in the best interest of the City and/or the property owner. The City of Norwich further reserves the right to accept or reject portions of any bid when it is deemed to be in the best interest of the City and or the property owner.
5. Disputes and protests:
 - a. If a contractor feels that a bidder has submitted an incomplete bid, or has evidence of other improprieties that negatively impact their own qualified bid, they may file a protest with the City of Norwich, Office of Development within 7 calendar days of the Bid opening.
 - b. Such notice shall be in writing and include copies of evidence required to prove or disprove the questionable bids.
 - c. Bid protests will not be accepted by unqualified bidders, or bidders who have been disqualified for incomplete bids.
 - d. All bid protests will be reviewed by program staff and the Director of Development. The decision rendered by the director of development will be final.
 - e. Contractors submitting frivolous bid protests are hereby warned that unjustified and groundless protests may result in the loss of future bidding privileges
6. Bidder Limitation Policies:
 - a. Bidders may hold no more than three active contracts between either the Lead or Rehab program. (However Contractors may request exception to this rule if they can provide assurances sufficient to the timely start and completion of project contracts.) Acceptance/denial of such a request is solely at the discretion of the Rehabilitation Specialist.
 - b. Bidders holding three open contracts, will be prohibited from future bidding until the closeout of one or more open contracts. (see- exception clause)
 - c. Contract holders that are in delinquent standing of any project completion date, may be prohibited from bidding until all delinquent projects are closed out.
 - d. New Contractors will be subject to a probationary period in which they may hold only one contract. Once a new contractor has entered into their first contract for a Property Rehabilitation or Lead Hazard Reduction project, they will not be allowed to bid further projects until the successful completion of the probationary period. During the probationary period the Contractor will be evaluated based on

their performance according to both the project contract, and overall program requirements. At the completion of the project the Program Manger will give the Contractor written notice outlining their acceptance or denial as a Contractor "in good standing", for future Projects.

7. Lead Abatement Clearance Policies:
 - e. Both the first and second rounds of dust wipes tests are included in program costs.
 - f. Further failures will be assessed to the project contractor in the form of an \$80.00 per hour inspector fee.
 - g. All additional testing fees must be paid in full prior to the release of final payment to the contractor.

BASIC PRODUCT SELECTION ALLOWANCES:

As the most common work items for Lead Paint Hazard Control projects, the following door selection pricings will be implemented as they are applicable to each project scope.

Exterior grade door (standard sizes), hardware & trim: Max Owner selection \$500.00 per

Exterior grade door with Side lights, hardware & trim: Max Owner selection \$1,000.00 per

Interior Door slab only: Max Owner selection \$85.00 per

Interior Door, casing, trim, and hardware: Max Owner Selection \$175.00 per

Storm Doors: \$225.00

General Selections such as roof or siding colors are to documented between the Contractor and Home Owner then submitted to the Program Manager prior to start of work.

OTHER PRODUCT BIDDING REQUIRMENTS

Where Lead Paint Hazard Control, and Rehabilitation Projects include various other building products, the contractor is responsible include "Builders Grade Materials and Products, with basic selections for colors and style where applicable."

For program purposes (Builders Grade Products) shall be defined as middle grade market available building products by costs. Prior to contract signing, the Contractor, Program Manager and Property owner will meet to review and approve all product selections. NOTE: Property owners may elect to select higher grade or specialty products only at their own cost, and if such a selection does not delay the normal agreed upon schedule of work. No product alterations shall be made after contract signing unless under special circumstance, approved by Program Management.

BASIC BID PACKAGE: Bid-Lead Paint Hazard Control

The City of Norwich, Office of Community Development basic bid package is enclosed and shall be submitted as follows:

1. This Instruction Sheet with signed bidders certification
2. Payment Request from filled out and totaled.
3. Non-Collusion Affidavit.
4. Proof of insurance
5. Proof of licensure as a home improvement contractor in the State of Connecticut.
6. Proof of Licensure as a Lead Abatement contractor in the State of Connecticut (if applicable)
7. Copies of all addendum sheets properly signed and filled out as directed.

*** Please note, items 3,4,5, and 6 may be submitted once annually. It is also the contractor's responsibility to insure that these items are updated as they expire. Please be aware that the submittal of items 1,2,and 7 will only constitute a complete bid package if all other items are on file and up to date with the City of Norwich.

BIDDERS CERTIFICATION

I, _____, acting on behalf of _____
A contractor registered in the State of Connecticut, have reviewed the bid requirements, bid documents and site conditions and hereby propose to complete the work specified for the amount of _____ dollars (\$ _____)

I will guarantee this price for a maximum of 15 days from the date of this proposal. I will be able to start this project on or about _____, 2019. This project is allotted **30, calendar days** to complete the specified scope, baring weather and or other excusable delays. (Note: Work items that cannot be undertaken during winter months such as exterior encapsulation or soils, shall have a completion date of no later than May 30th) I am aware that if I fail to complete the work in the time required, I may be penalized based upon the terms of the contract.

Signed by: _____ (Print Name) Date: _____

Signature: _____ Phone: _____

Contractor Name: _____

Address: _____

City of Norwich, Property Rehabilitation Program

Payment Request Form					
Contractor Name:					
Authorized signature:					
PROPERTY ADDRESS:			DATE:		
15 Ann Street			Req. No.:		
Norwich CT. 06360					
Lead Paint Hazard Control					
DESCRIPTION	BID AMOUNT	1st. REQ DATE	2nd. REQ DATE	Final REQ DATE	
Permits and Fees					
Waste Disposal					
Interior Encapsulation (all) lp					
Window R&R all lp					
Aluminum wrap all lp					
Front porch Jamb lp					
Front porch Rails/bal. lp					
Front porch Rails Alt. lp					
Exterior encap all lp					
Exterior sills wrap all lp					
Aluminum storms remove 3					
Cellar windows & frames all					
Exposed shingles A side					
Exposed shingles C side					
Exterior Foundation B side					
Exterior Foundation C & D					
Door Threshold & Kickplate					
Porch Ceiling, trim & soffit.					
Garage All lead items					
Soils-all					
TOTALS					
Received to Date:					
This Request:					
Total Paid to Date				Total Retainage	
Approved by Owner			Date		
Approved by City			Date		
Approved by Contractor			Date		
PROJECT SCHEDULE:					
Proposed Start Date					

201. NON-COLLUSION AFFIDAVIT OF CONTRACTOR

State of _____)
County of _____) ss.

_____, being first duly sworn, deposes and says that :

(1) He is (owner, partner, officer, representative, or agent) of

(hereafter refer to as the "Contractor"), who has executed the Agreement, of which this affidavit is a part;

(2) He is fully informed respecting the preparation and contents of said Agreement and the Contract Price and all pertinent circumstances respecting such Agreement and Contract Price;

(3) Such Contract Price is genuine and not a collusive or sham price;

(4) Neither the Contractor nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affidavit, has in any way colluded, conspired, connived, or agreed, directly or indirectly, with any other contractor, bidder, firm or person to submit a collusive or sham price or bid in connection with such work, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other contractor, bidder, firm or person to fix the price or prices offered by the Contractor and accepted by the owner, or to fix the offered price of any other bidder, or to secure through collusion, conspiracy, connivance or unlawful agreement any advantage against the Owner and/or the City or any person interested in this agreement; and

(5) The price or prices offered by the contractor and accepted by the Owner as the Contract price is fair and proper and is not obtained by any collusion, conspiracy, connivance or unlawful agreement on the part of the Contractor or any of its agents, representatives, owners, employees or parties in interest, including this affiant.

(Seal, if corporation) _____

By: _____

Title: _____

Subscribed and sworn to before me this _____ day of

_____, 20_____.

***** General Acknowledgement: This Affidavit is to apply to all projects, bid through the City of Norwich, Community Development Center. (2019)**

Connecticut Lead Paint Solutions, LLC

1245 Hebron Avenue
Glastonbury, CT 06033
860-633-3330
CT License #2124
andrew@ctleadpaint.com

Lead Paint Inspections & Testing
Consulting & Cost Analysis
Abatement/Management Plans
Abatement & Clean-up

Lead Paint Inspection Report and Lead Hazard Assessment

Connecticut Lead Consultant and Contractor License #002124
Lead Inspector/Risk Assessor, CT #002179

This report is prepared for;
City of Norwich
Lead Paint Hazard Control Program
23 Union St
Norwich, CT 06360

The property inspected was;
15 Ann St
Norwich, CT 06360

Owner; Jean Corrielus

The testing instrument used is a Niton XLp 300A Lead Paint, Spectrum Analyzer, serial #16387. A reading of 1.0 milligrams lead per square centimeter of surface ($1.0\text{mg}/\text{cm}^2$) or greater is defined as a toxic level of lead, by the State of Connecticut, Dept. of Public Health, Regulations for Lead Poisoning Prevention and Control, 19a-111-1a. The inspection protocol as detailed in Chapter 7 of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012 Revision) was used for this inspection. The testing mode is K+L Spectrum.

At the beginning and end of the inspection, calibration tests are done on known control standards and the readings recorded to ensure the accuracy of the testing device. The calibration lines on the data sheets provides the measured lead concentration of the control standards (in the Condition Column) and whether the lead is at the surface or buried under non-lead paint.

The testing protocol is to test representative samples of various building components or sub-components per room or area. The test result for the representative sample is then applied to the other similar component(s) in that room or area. Refer to the floor plan attach toward the end of this report for the location of the rooms and walls sides (A, B, C, D).

Any lead reading $1.0\text{mg}/\text{cm}^2$ or greater is positive for toxic levels of lead and the line for that reading is in **red print** on the data sheets.

This inspection is for lead in paint primarily. The paint was tested on site. Dust and soil samples were also collected for analysis of lead concentrations by accredited laboratories.

The inspection was done on May 30, 2018.

1A

The property inspected is a single-family house built in or about 1880. All interior rooms or areas were fully inspected except the unfinished basement and basement stairs were not accessible for testing

Only a few of the interior surfaces tested in the house were positive for lead-based paint (LBP).

Most of the window sashes (the part of the window which contains the glass and is movable) in the house have been replaced with vinyl replacement windows. There are wood sashes in the Stairwell, Room #5 and the Basement.

The exterior of the house is completely covered with aluminum siding. The window casings and upper trim (exterior soffits and fascia trim) are a combination of aluminum and painted wood. Some painted surfaces tested on the exterior of the house were positive for LBP and some were also defective.

Assume all surfaces on the detached garage are both positive for LBP and defective.

Lead in Dust and Soil Assessment

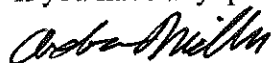
Seven dust wipe samples were collected for analysis of lead concentrations by an accredited laboratory. One window sill, one window well and a floor dust wipe sample were over the **new** limits set by HUD for risk assessment testing, therefore failing. Four others passed. The limits must not exceed $10\mu\text{g}/\text{ft}^2$ (micrograms lead per square foot of surface area) for floors and $100\mu\text{g}/\text{ft}^2$ for window sills and wells. These samples were collected in accordance with the collection protocol as stated in the Connecticut Lead Regulations sections 19a-11-3a-3-h2.

Three soil samples were collected for analysis of lead concentrations by an accredited laboratory. All were composite samples collected from bare soil with-in one foot of the perimeter of the foundation from three sides of the house or from the rear yard. The D side is primarily covered with asphalt.

The Federal EPA's section 403 Guidelines for soil concentrations are determined by the land use by children. If the area is expected to be used by children, various interim controls to prevent contact between children and contaminated soil are recommended for soil lead levels above 400ppm but less than 5000ppm. Some action will be required at this site at all test locations.

All the test results are detailed on the data sheets for the inspection.

If you have any questions on this report, please do not hesitate to contact me.



Andrew Miller
Lead Inspector/Risk Assessor, CT #002179
July 10, 2018

How to read the data sheets

Starting from the left side column.

Index	The instrument assigns a number to every reading.
Fl.	Floor level
Room	Indicated which room or area was tested. The room or area is also detailed on the floor plan.
Side	The side of the room that faces the street is the A Side, the B side is clockwise to the A wall, the C wall is opposite the A wall and so on. For the exterior the A side is the front facing the street, the B side is clockwise, the C side is the rear ect. See attached floor plan for more details.
Component	Indicates which building component was tested, window, door, wall ect. Many components have sub-components such as a window <i>casing</i> or window <i>sash</i> . If there is more than 1 similar building component on a wall in a room or area, than the component may be further described as being the Lft for left, Ctr for center or Rht for right. This would be as you face the wall.
Substrate	Indicates what building material the component was constructed of. Not always accurate for drywall or plaster walls.
Color	Indicates the color of the test surface. The color selected is influenced by many factors including lighting, contrasting colors, smoke films and others.
Condition	Indicates the condition of the paint film or the substrate. The ratings are as follows; Intact, a paint film with no cracked or peeling paint; Fair, the paint film is cracked or chipped but paint chips can not be picked off; Poor, the paint film is cracked or chipped and paint chips can be picked off; Peeling; the paint film is very loose and can fall off with little or no external effort; Defective-Sub, defective substrate. The worse visible condition is noted. Substrate conditions are only listed if it affects the condition of the paint film.
Result	Indicates the results of that test. Either Positive, equal to or greater than 1.0 milligrams lead per square centimeter of surface ($1.0\text{mg}/\text{cm}^2$) Negative meaning below the action level of $1.0\text{mg}/\text{cm}^2$ or Null if the reading was interrupted and not completed. The incomplete reading is almost always followed by a complete reading from the same surface. All positive reading lines are in color print.
PbC	This is the range of the lead concentration in the dry paint. The testing instrument narrows the reading down to plus or minus from the main (1 st) number.

On the data sheets any lead reading $1.0\text{mg}/\text{cm}^2$ or greater is positive for lead-based paint and the line for that reading is in color print. The calibration readings are from the known control standards and not from any painted surface on the property tested. Even a property that has been certified as being “free of lead-based paint” will still have positive calibration readings listed on the report.

Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
1				Calibration- Surface			1.53mg/cm ²	Positive	1.50 ± 0.10
2				Calibration- Surface			1.04mg/cm ²	Positive	1.10 ± 0.10
3				Calibration- Surface			1.04mg/cm ²	Positive	1.10 ± 0.10
4				Calibration- Surface			1.04mg/cm ²	Positive	1.10 ± 0.10
5				Calibration- Surface			0.01mg/cm ²	Negative	0.00 ± 0.02
6	1st	Room 1	A	Window Sill Rht	Wood	Brown	Intact	Negative	0.05 ± 0.06
7	1st	Room 1	A	Window Casing	Wood	Brown	Intact	Negative	0.07 ± 0.08
8	1st	Room 1	A	Window Sill Lft	Wood	Brown	Intact	Negative	0.05 ± 0.07
9	1st	Room 1	A	Window Casing	Wood	Brown	Intact	Negative	0.05 ± 0.06
10	1st	Room 1	D	Window Sill	Wood	Brown	Intact	Negative	0.07 ± 0.07
11	1st	Room 1	D	Window Casing	Wood	Brown	Intact	Negative	0.05 ± 0.06
12	1st	Room 1	B	Door Lft	Wood	Brown	Intact	Negative	0.05 ± 0.06
13	1st	Room 1	B	Door Jamb	Wood	Brown	Intact	Negative	0.06 ± 0.07
14	1st	Room 1	C	Door Lft	Wood	Brown	Intact	Negative	0.08 ± 0.09
15	1st	Room 1	C	Door Casing	Wood	Brown	Intact	Negative	0.05 ± 0.06
16	1st	Room 1	A	Baseboard	Wood	Brown	Intact	Negative	0.05 ± 0.08
17	1st	Room 1	B	Radiator	Metal	White	Peeling	Negative	0.02 ± 0.05
18	1st	Room 1	B	Radiator	Metal	White	Peeling	Negative	0.00 ± 0.02
19	1st	Room 1	B	Pipe	Metal	White	Poor	Negative	0.05 ± 0.07
20	1st	Room 1	A	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
21	1st	Room 1	B	Wall	Plaster	Beige	Poor	Negative	0.00 ± 0.02
22	1st	Room 1	C	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
23	1st	Room 1	D	Wall	Plaster	Beige	Intact	Negative	0.01 ± 0.02
24	1st	Room 1	D	Wall	Brick	Unpainted	Intact	Negative	0.00 ± 0.02
25	1st	Room 1	B	Ceiling	Drywall	White	Intact	Negative	0.01 ± 0.02
26	1st	Room 1	B	Floor	Wood	Varnish	Intact	Negative	0.00 ± 0.02
27	1st	Room 2	D	Window Sill	Wood	Brown	Intact	Negative	0.01 ± 0.02
28	1st	Room 2	D	Window Casing	Wood	Brown	Intact	Negative	0.00 ± 0.02
29	1st	Room 2	A	Door Rht	Wood	Brown	Intact	Negative	0.06 ± 0.08
30	1st	Room 2	A	Door Jamb	Wood	Brown	Intact	Negative	0.06 ± 0.07
31	1st	Room 2	B	Door	Wood	Brown	Intact	Negative	0.05 ± 0.06
32	1st	Room 2	B	Door Casing	Wood	Brown	Intact	Negative	0.06 ± 0.08
33	1st	Room 2	B	Opening Jamb	Wood	Brown	Intact	Negative	0.07 ± 0.09
34	1st	Room 2	C	Door	Wood	Brown	Intact	Negative	0.11 ± 0.13
35	1st	Room 2	C	Door Casing	Wood	Brown	Intact	Negative	0.08 ± 0.09
36	1st	Room 2	C	Baseboard	Wood	Brown	Intact	Negative	0.00 ± 0.02
37	1st	Room 2	D	Baseboard	Wood	Brown	Intact	Negative	0.00 ± 0.02
38	1st	Room 2	A	Radiator	Metal	Silver	Poor	Negative	0.22 ± 0.17
39	1st	Room 2	A	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
41	1st	Room 2	B	Wall	Plaster	Beige	Peeling	Negative	0.00 ± 0.02
42	1st	Room 2	C	Wall	Plaster	Beige	Poor	Negative	0.00 ± 0.02
43	1st	Room 2	D	Wall	Drywall	Beige	Intact	Negative	0.00 ± 0.02
44	1st	Room 2	D	Ceiling	Drywall	White	Damaged	Negative	0.00 ± 0.02
45	1st	Room 2	C	Floor	Wood	Varnish	Intact	Negative	0.00 ± 0.02
46	1st	Room 3	C	Window Sill	Wood	Brown	Intact	Negative	0.09 ± 0.08
47	1st	Room 3	C	Window Casing	Wood	Brown	Intact	Negative	0.08 ± 0.09
48	1st	Room 3	D	Window Sill	Wood	Brown	Fair	Negative	0.04 ± 0.06
49	1st	Room 3	D	Window Casing	Wood	Brown	Intact	Negative	0.07 ± 0.07
50	1st	Room 3	A	Door	Wood	Brown	Intact	Negative	0.13 ± 0.15
51	1st	Room 3	A	Door Casing	Wood	Brown	Intact	Negative	0.07 ± 0.08
52	1st	Room 3	D	Closet Door	Wood	Brown	Intact	Negative	0.05 ± 0.06
53	1st	Room 3	D	Closet Jamb	Wood	Brown	Intact	Negative	0.08 ± 0.08

Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
54	1st	Room 3	D	Closet Cleat	Wood	Unpainted	Intact	Negative	0.00 ± 0.02
55	1st	Room 3	D	Closet Wall	Drywall	White	Intact	Negative	0.00 ± 0.02
56	1st	Room 3	B	Baseboard	Wood	Brown	Intact	Negative	0.05 ± 0.07
57	1st	Room 3	C	Baseboard	Wood	Brown	Intact	Negative	0.05 ± 0.06
58	1st	Room 3	C-D	Cabinet Door	Wood	Brown	Intact	Negative	0.02 ± 0.04
59	1st	Room 3	C-D	Cabinet Frame	Wood	Brown	Intact	Negative	0.03 ± 0.05
60	1st	Room 3	C-D	Cabinet Shelf	Wood	Brown	Intact	Negative	0.03 ± 0.05
61	1st	Room 3	C-D	Cabinet Wall Upr	Plaster	Green	Peeling	Positive	2.90 ± 1.50
62	1st	Room 3	C-D	Cabinet Wall	Plaster	Green	Intact	Positive	2.90 ± 0.60
63	1st	Room 3	D	Radiator	Metal	Silver	Fair	Negative	0.04 ± 0.05
64	1st	Room 3	D	Radiator	Metal	Silver	Fair	Negative	0.09 ± 0.11
65	1st	Room 3	A	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
66	1st	Room 3	B	Wall	Plaster	Bone	Intact	Negative	0.00 ± 0.02
67	1st	Room 3	C	Wall	Plaster	Bone	Intact	Negative	0.00 ± 0.02
68	1st	Room 3	D	Wall	Plaster	Bone	Intact	Negative	0.00 ± 0.02
69	1st	Room 3	D	Wall Rht.	Drywall	Bone	Intact	Negative	0.00 ± 0.02
70	1st	Room 3	A	Ceiling	Drywall	White	Intact	Negative	0.00 ± 0.02
71	1st	Room 4	D	Window Sill Rht	Wood	Brown	Intact	Negative	0.04 ± 0.08
72	1st	Room 4	D	Window Casing	Wood	Brown	Intact	Negative	0.03 ± 0.07
73	1st	Room 4	D	Window Sill Lft	Wood	Brown	Poor	Negative	0.02 ± 0.04
74	1st	Room 4	D	Window Casing	Wood	Brown	Intact	Negative	0.30 ± 0.28
75	1st	Room 4	A	Door (to Basement)	Wood	Brown	Fair	Negative	0.01 ± 0.04
76	1st	Room 4	A	Door Casing	Wood	Brown	Intact	Negative	0.01 ± 0.03
77	1st	Room 4	D	Opening Casing	Wood	Brown	Intact	Negative	0.03 ± 0.06
78	1st	Room 4	D	Closet Door	Wood	Brown	Intact	Negative	0.01 ± 0.02
79	1st	Room 4	D	Closet Jamb	Wood	Brown	Intact	Negative	0.02 ± 0.04
80	1st	Room 4	D	Closet Door Int.	Wood	Brown	Intact	Negative	0.02 ± 0.04
81	1st	Room 4	D	Closet Threshold	Wood	Brown	Intact	Negative	0.17 ± 0.17
82	1st	Room 4	D	Closet Baseboard	Wood	Brown	Intact	Negative	0.09 ± 0.10
83	1st	Room 4	D	Corner Trim	Wood	Brown	Intact	Negative	0.02 ± 0.04
84	1st	Room 4	D	Closet Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
85	1st	Room 4	D	Closet Wall D	Drywall	Bone	Intact	Negative	0.00 ± 0.02
86	1st	Room 4	A	Chair Rail	Wood	Brown	Intact	Negative	0.04 ± 0.06
87	1st	Room 4	A	Wall - Lower	Wood	Brown	Intact	Negative	0.03 ± 0.05
89	1st	Room 4	B	Wall - Lower	Wood	Brown	Intact	Negative	0.02 ± 0.06
90	1st	Room 4	C	Wall - Lower	Wood	Brown	Intact	Negative	0.05 ± 0.09
91	1st	Room 4	D	Wall - Lower	Wood	Brown	Intact	Negative	0.02 ± 0.09
92	1st	Room 4	A	Wall - Upper	Plaster	Bone	Intact	Negative	0.01 ± 0.03
93	1st	Room 4	B	Wall - Upper	Plaster	Bone	Intact	Negative	0.00 ± 0.02
94	1st	Room 4	C	Wall - Upper	Plaster	Bone	Fair	Negative	0.00 ± 0.02
95	1st	Room 4	D	Wall - Upper	Plaster	Bone	Damaged	Negative	0.00 ± 0.02
96	1st	Room 4	B	Ceiling	Plaster	White	Peeling	Negative	0.01 ± 0.02
97	1st	Room 4	B	Ceiling	Plaster	White	Peeling	Negative	0.01 ± 0.03
98	1st	Bath	B	Door	Plaster	Brown	Fair	Negative	0.17 ± 0.12
99	1st	Bath	B	Door Casing	Plaster	Unpainted	Intact	Negative	0.00 ± 0.02
100	1st	Bath	D	Cabinet Door Lwr	Wood	Brown	Intact	Negative	0.00 ± 0.02
101	1st	Bath	A	Wall - Upper	Drywall	White	Intact	Negative	0.00 ± 0.02
102	1st	Bath	B	Wall - Upper	Drywall	White	Intact	Negative	0.00 ± 0.02
103	1st	Bath	D	Wall - Upper	Drywall	White	Intact	Negative	0.00 ± 0.02
104	1st	Bath	A	Ceiling	Drywall	White	Intact	Null	0.00 ± 0.02
105	1st	Bath	A	Ceiling	Drywall	White	Intact	Positive	1.80 ± 0.80
106	1st	Bath	A	Pipe	Metal	White	Intact	Negative	0.02 ± 0.06

Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
107	1st	Bath	C	Ceiling	Drywall	White	Intact	Negative	0.00 ± 0.02
108	1st	Kitchen	B	Window Sill	Wood	Unpainted	Fair	Negative	0.02 ± 0.06
109	1st	Kitchen	B	Window Casing	Wood	Unpainted	Intact	Negative	0.02 ± 0.03
110	1st	Kitchen	C	Door	Wood	White	Poor	Negative	0.04 ± 0.06
111	1st	Kitchen	C	Door	Wood	White	Poor	Negative	0.04 ± 0.06
112	1st	Kitchen	C	Door Casing	Wood	White	Poor	Negative	0.07 ± 0.08
113	1st	Kitchen	D	Door (to Bath)	Wood	Brown	Intact	Negative	0.07 ± 0.09
114	1st	Kitchen	D	Door Jamb	Wood	Brown	Intact	Negative	0.02 ± 0.05
115	1st	Kitchen	D	Door Threshold	Wood	Unpainted	Intact	Negative	0.02 ± 0.08
116	1st	Kitchen	D	Baseboard	Wood	Brown	Intact	Negative	0.01 ± 0.02
117	1st	Kitchen	B	Wall	Drywall	Bone	Intact	Negative	0.00 ± 0.02
118	1st	Kitchen	C	Wall	Drywall	Bone	Intact	Positive	2.50 ± 1.10
119	1st	Kitchen	C	Wall	Drywall	Bone	Intact	Positive	3.20 ± 2.00
120	1st	Kitchen	D	Wall	Drywall	Bone	Intact	Negative	0.01 ± 0.03
121	1st	Kitchen	A	Wall - Upper	Drywall	Bone	Intact	Negative	0.00 ± 0.02
122	1st	Kitchen	A	Ceiling	Drywall	White	Intact	Null	1.70 ± 0.80
123	1st	Kitchen	A	Ceiling	Drywall	White	Intact	Positive	3.50 ± 1.20
124	1st	Kitchen	C	Cabinet Door Lwr	Wood	Varnish	Intact	Negative	0.00 ± 0.02
125	1st	Kitchen	C	Cabinet Body	Wood	Varnish	Intact	Negative	0.00 ± 0.02
126	1st	Foyer	B	Window Sill	Wood	Brown	Fair	Negative	0.06 ± 0.09
127	1st	Foyer	B	Window Casing	Wood	Brown	Fair	Negative	0.03 ± 0.05
128	1st	Foyer	A	Door Lft	Wood	Brown	Intact	Negative	0.06 ± 0.08
129	1st	Foyer	A	Door Rht	Wood	Brown	Intact	Negative	0.02 ± 0.04
130	1st	Foyer	A	Door Casing	Wood	Brown	Intact	Negative	0.03 ± 0.05
131	1st	Foyer	A	Door Jamb	Wood	Brown	Intact	Negative	0.02 ± 0.04
132	1st	Foyer	D	Door Rht	Wood	Brown	Intact	Negative	0.02 ± 0.04
133	1st	Foyer	D	Door Jamb	Wood	Brown	Intact	Negative	0.05 ± 0.07
134	1st	Foyer	D	Door Lft	Wood	Brown	Intact	Negative	0.03 ± 0.05
135	1st	Foyer	D	Door Casing	Wood	Brown	Intact	Negative	0.05 ± 0.08
136	1st	Foyer	C	Baseboard	Wood	Brown	Intact	Negative	0.02 ± 0.04
137	1st	Foyer	B	Baseboard	Wood	Brown	Intact	Negative	0.02 ± 0.04
138	1st	Stairwell	B	Stair Stringer	Wood	Brown	Intact	Negative	0.08 ± 0.11
139	1st	Stairwell	C	Stair Riser	Wood	Brown	Fair	Negative	0.04 ± 0.06
140	1st	Stairwell	C	Stair Tread	Wood	Brown	Fair	Negative	0.05 ± 0.09
141	1st	Stairwell	B	Stair Tread	Wood	Brown	Fair	Negative	0.03 ± 0.06
142	1st	Stairwell	Clr	Stair Newel Post	Wood	Brown	Intact	Negative	0.02 ± 0.04
143	1st	Stairwell	Clr	Stair Baluster	Wood	Brown	Intact	Negative	0.03 ± 0.04
144	1st	Stairwell	Clr	Stair Railing	Wood	Brown	Intact	Negative	0.02 ± 0.05
145	1st	Foyer	A-B	Corner Trim	Wood	Brown	Intact	Negative	0.01 ± 0.03
146	1st	Foyer	C	Coat Hook	Wood	Brown	Intact	Negative	0.09 ± 0.10
147	1st	Foyer	B	Radiator	Metal	Silver	Intact	Negative	0.03 ± 0.06
148	1st	Foyer	A	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
149	1st	Foyer	B	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
150	1st	Foyer	C	Wall	Drywall	Beige	Intact	Negative	0.00 ± 0.02
151	1st	Foyer	D	Wall	Plaster	Beige	Fair	Negative	0.00 ± 0.02
152	1st	Foyer	B	Ceiling	Drywall	White	Damaged	Negative	0.00 ± 0.02
153	1st	Stairwell	D	Stair Wallcasing	Wood	Brown	Intact	Negative	0.04 ± 0.05
154	2nd	Stairwell	D	Stair Newel Post	Wood	Brown	Intact	Negative	0.01 ± 0.03
155	2nd	Stairwell	D	Stair Baluster	Wood	Brown	Intact	Negative	0.05 ± 0.07
156	2nd	Stairwell	B	Window Sill	Wood	Brown	Intact	Negative	0.02 ± 0.04
157	2nd	Stairwell	B	Window Casing	Wood	Brown	Intact	Negative	0.04 ± 0.05
158	2nd	Stairwell	B	Window Sash Int.	Wood	Brown	Intact	Positive	2.00 ± 0.70

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159	2nd	Stairwell	B	Window Sash Int.	Wood	Brown	Intact	Positive	2.10 ± 0.70
160	2nd	Stairwell	B	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
161	2nd	Stairwell	C	Wall	Plaster	Beige	Fair	Negative	-0.24 ± 1.13
162	2nd	Stairwell	C	Wall	Plaster	Beige	Fair	Negative	0.00 ± 0.02
163	1st	Stairwell	B	Landing Floor	Wood	Brown	Fair	Negative	0.09 ± 0.11
164	2nd	Stairwell	B	Ceiling	Plaster	White	Intact	Negative	0.00 ± 0.02
165	2nd	Hall	A	Door Lft	Wood	Brown	Fair	Negative	0.07 ± 0.07
166	2nd	Hall	A	Door Jamb	Wood	Brown	Fair	Negative	0.06 ± 0.07
167	2nd	Hall	A	Door Rht	Wood	Brown	Intact	Negative	0.06 ± 0.07
168	2nd	Hall	A	Door Casing	Wood	Brown	Intact	Negative	0.09 ± 0.13
169	2nd	Hall	B	Door	Wood	Brown	Intact	Negative	0.04 ± 0.05
170	2nd	Hall	B	Door Jamb	Wood	Brown	Intact	Negative	0.03 ± 0.05
171	2nd	Hall	A	Door Threshold	Wood	Brown	Fair	Negative	0.01 ± 0.03
172	2nd	Hall	C	Door Lft	Wood	Brown	Intact	Negative	0.08 ± 0.09
173	2nd	Hall	C	Door Jamb	Wood	Brown	Intact	Negative	0.07 ± 0.07
174	2nd	Hall	A	Baseboard	Wood	Brown	Fair	Negative	0.06 ± 0.08
175	2nd	Hall	D	Baseboard	Wood	Brown	Intact	Negative	0.06 ± 0.07
176	2nd	Hall	A	Wall Cr	Plaster	Beige	Poor	Negative	0.00 ± 0.02
177	2nd	Hall	B	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
178	2nd	Hall	C	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
179	2nd	Hall	D	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
180	2nd	Hall	D	Ceiling	Drywall	White	Intact	Negative	0.00 ± 0.02
181	2nd	Bath 2	A	Window Sill	Wood	Gray	Intact	Positive	6.50 ± 3.70
182	2nd	Bath 2	A	Window Casing	Wood	Gray	Intact	Positive	4.60 ± 1.90
183	2nd	Bath 2	A	Window Sill	Wood	Gray	Intact	Positive	6.40 ± 5.10
184	2nd	Bath 2	C	Door	Wood	Beige	Intact	Negative	0.06 ± 0.07
185	2nd	Bath 2	C	Door	Wood	Beige	Intact	Negative	0.07 ± 0.07
186	2nd	Bath 2	C	Door Jamb	Wood	Gray	Intact	Positive	5.40 ± 3.50
187	2nd	Bath 2	C	Door Casing	Wood	Gray	Intact	Positive	6.60 ± 3.70
188	2nd	Bath 2	D	Door	Wood	Beige	Intact	Negative	0.05 ± 0.06
189	2nd	Bath 2	D	Door	Wood	Beige	Intact	Negative	0.04 ± 0.05
190	2nd	Bath 2	D	Door Casing	Wood	Gray	Intact	Positive	5.30 ± 3.20
191	2nd	Bath 2	D	Door Jamb	Wood	Gray	Intact	Positive	4.40 ± 1.80
192	2nd	Bath 2	A-B	Radiator	Metal	Silver	Intact	Negative	0.40 ± 0.30
193	2nd	Bath 2	A-B	Radiator	Metal	Silver	Intact	Negative	0.40 ± 0.20
194	2nd	Bath 2	A	Wall	Drywall	Beige	Intact	Negative	0.00 ± 0.02
195	2nd	Bath 2	D	Wall	Drywall	Beige	Intact	Negative	0.00 ± 0.02
196	2nd	Bath 2	C	Ceiling	Drywall	Beige	Intact	Negative	0.00 ± 0.02
197	2nd	Exterior	A	Window Sill	Wood	White	Defective	Negative	0.19 ± 0.16
198	2nd	Exterior	A	Window Sill	Wood	White	Defective	Negative	0.50 ± 0.30
199	2nd	Exterior	A	Window Casing Ext.	Wood	White	Defective	Negative	0.08 ± 0.08
200	2nd	Exterior	A	Window Casing Ext.	Wood	White	Defective	Positive	2.60 ± 0.60
201	2nd	Room 5	A	Window Sill Rht	Wood	Brown	Intact	Negative	0.01 ± 0.03
202	2nd	Room 5	A	Window Casing	Wood	Brown	Intact	Negative	0.05 ± 0.06
204	2nd	Room 5	A	Window Stop	Wood	Brown	Intact	Negative	0.02 ± 0.04
205	2nd	Room 5	A	Window Sash Int.	Wood	Brown	Intact	Positive	1.90 ± 0.60
206	2nd	Room 5	A	Window Casing Lft	Wood	Brown	Intact	Negative	0.05 ± 0.06
207	2nd	Room 5	A	Window Sash Int.	Wood	Brown	Intact	Positive	1.90 ± 0.70
208	2nd	Room 5	D	Window Sill	Wood	Brown	Fair	Negative	0.01 ± 0.02
209	2nd	Room 5	D	Window Casing	Wood	Brown	Fair	Negative	0.07 ± 0.07
210	2nd	Room 5	C	Door	Wood	Brown	Intact	Negative	0.06 ± 0.07
211	2nd	Room 5	C	Door Casing	Wood	Brown	Damaged	Negative	0.06 ± 0.06

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212	2nd	Room 5	B	Door	Wood	Brown	Intact	Negative	0.06 ± 0.07
213	2nd	Room 5	B	Door Jamb	Wood	Brown	Intact	Negative	0.05 ± 0.06
214	2nd	Room 5	C	Closet Door	Wood	Brown	Intact	Negative	0.04 ± 0.06
215	2nd	Room 5	C	Closet Jamb	Wood	Brown	Intact	Negative	0.13 ± 0.10
216	2nd	Room 5	C	Closet Threshold	Wood	Brown	Fair	Negative	0.50 ± 0.20
217	2nd	Room 5	C	Closet Baseboard	Wood	Brown	Intact	Negative	0.08 ± 0.07
218	2nd	Room 5	C	Closet Shelf	Wood	Brown	Intact	Negative	0.05 ± 0.06
219	2nd	Room 5	C	Closet Cleat	Wood	Brown	Intact	Negative	0.03 ± 0.05
220	2nd	Room 5	C	Closet Wall	Plaster	Beige	Intact	Positive	4.30 ± 2.30
221	2nd	Room 5	C	Closet Wall	Plaster	Beige	Intact	Positive	5.30 ± 4.20
222	2nd	Room 5	A	Baseboard	Wood	Brown	Intact	Negative	0.08 ± 0.07
223	2nd	Room 5	D	Baseboard	Wood	Brown	Intact	Negative	0.08 ± 0.08
224	2nd	Room 5	A	Wall	Plaster	Maroon	Intact	Negative	0.01 ± 0.02
225	2nd	Room 5	B	Wall	Plaster	Maroon	Intact	Negative	0.00 ± 0.02
226	2nd	Room 5	C	Wall	Plaster	Maroon	Intact	Negative	0.02 ± 0.04
227	2nd	Room 5	D	Wall	Plaster	Maroon	Intact	Negative	0.00 ± 0.02
228	2nd	Room 5	A	Ceiling	Plaster	White	Intact	Negative	0.00 ± 0.02
229	2nd	Room 7	C	Window Sill	Wood	Brown	Fair	Negative	0.02 ± 0.04
230	2nd	Room 7	C	Window Casing	Wood	Brown	Fair	Negative	0.06 ± 0.05
231	2nd	Room 7	D	Window Sill	Wood	Brown	Fair	Negative	0.02 ± 0.04
232	2nd	Room 7	D	Window Casing	Wood	Brown	Intact	Negative	0.05 ± 0.06
233	2nd	Room 7	A	Door	Wood	Brown	Intact	Negative	0.08 ± 0.10
234	2nd	Room 7	A	Door Jamb	Wood	Brown	Intact	Negative	0.03 ± 0.05
235	2nd	Room 7	A	Closet Door	Wood	Brown	Intact	Negative	0.05 ± 0.06
236	2nd	Room 7	A	Closet Casing	Wood	Brown	Fair	Negative	0.06 ± 0.07
237	2nd	Room 7	A	Closet Threshold	Wood	Brown	Fair	Negative	0.07 ± 0.07
238	2nd	Room 7	A	Closet Baseboard	Wood	Brown	Fair	Negative	0.03 ± 0.05
239	2nd	Room 7	A	Closet Shelf	Wood	Brown	Intact	Negative	0.05 ± 0.06
240	2nd	Room 7	A	Closet Cleat	Wood	Brown	Intact	Negative	0.04 ± 0.05
241	2nd	Room 7	A	Closet Wall	Plaster	Beige	Intact	Positive	3.50 ± 2.00
242	2nd	Room 7	A	Closet Wall	Plaster	Beige	Intact	Null	0.00 ± 0.02
243	2nd	Room 7	A	Closet Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
244	2nd	Room 7	C	Baseboard	Wood	Brown	Intact	Negative	0.06 ± 0.08
245	2nd	Room 7	C	Baseboard	Wood	Brown	Fair	Negative	0.06 ± 0.07
246	2nd	Room 7	A	Wall	Plaster	Beige	Intact	Negative	0.00 ± 0.02
247	2nd	Room 7	B	Wall	Plaster	Beige	Damaged	Negative	0.00 ± 0.02
248	2nd	Room 7	B	Wall	Plaster	Beige	Intact	Negative	0.13 ± 0.77
249	2nd	Room 7	D	Wall	Plaster	Beige	Intact	Negative	0.01 ± 0.02
250	2nd	Room 7	A	Ceiling	Drywall	White	Intact	Negative	0.01 ± 0.02
251	2nd	Room 6	C	Window Sill	Wood	Brown	Intact	Negative	0.03 ± 0.04
252	2nd	Room 6	C	Window Casing	Wood	Brown	Intact	Negative	0.05 ± 0.07
253	2nd	Room 6	B	Window Sill	Wood	Brown	Intact	Negative	0.09 ± 0.10
254	2nd	Room 6	B	Window Casing	Wood	Brown	Intact	Negative	0.08 ± 0.09
255	2nd	Room 6	A	Door	Wood	Brown	Intact	Negative	0.04 ± 0.06
256	2nd	Room 6	A	Door Casing	Wood	Brown	Intact	Negative	0.05 ± 0.07
257	2nd	Room 6	D	Closet Door Int.	Wood	Brown	Intact	Negative	0.04 ± 0.05
258	2nd	Room 6	D	Closet Jamb	Wood	Brown	Intact	Negative	0.07 ± 0.07
259	2nd	Room 6	D	Closet Cleat	Wood	Brown	Intact	Negative	0.04 ± 0.06
260	2nd	Room 6	D	Closet Shelf	Wood	White	Fair	Negative	0.03 ± 0.06
261	2nd	Room 6	D	Closet Wall	Plaster	Blue	Intact	Positive	7.50 ± 4.00
262	2nd	Room 6	D	Closet Wall	Plaster	Blue	Intact	Positive	4.50 ± 2.30
263	2nd	Room 6	A	Baseboard	Wood	Brown	Intact	Negative	0.04 ± 0.05

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264	2nd	Room 6	C	Baseboard	Wood	Brown	Intact	Negative	0.08 ± 0.08
265	2nd	Room 6	A	Wall	Plaster	Blue	Intact	Negative	0.00 ± 0.02
266	2nd	Room 6	B	Wall	Plaster	Blue	Intact	Negative	0.00 ± 0.02
267	2nd	Room 6	C	Wall	Plaster	Blue	Intact	Negative	0.00 ± 0.02
268	2nd	Room 6	D	Wall Lft	Plaster	Blue	Intact	Negative	0.00 ± 0.02
269	2nd	Room 6	A	Ceiling	Drywall	White	Intact	Negative	0.00 ± 0.02
270	2nd	Attic Stairs	D	Door	Wood	Brown	Intact	Negative	0.06 ± 0.07
271	2nd	Attic Stairs	D	Door Jamb	Wood	Brown	Intact	Negative	0.02 ± 0.03
272	2nd	Attic Stairs	A	Stair Stringer	Wood	Brown	Intact	Negative	0.14 ± 0.12
273	2nd	Attic Stairs	A	Stair Tread	Wood	Brown	Intact	Negative	0.03 ± 0.05
274	2nd	Attic Stairs	A	Stair Tread	Wood	Brown	Intact	Negative	0.10 ± 0.10
275	2nd	Attic Stairs	B	Stair Riser	Wood	Brown	Poor	Negative	0.11 ± 0.10
276	2nd	Attic Stairs	A	Wall	Plaster	Unpainted	Fair	Negative	0.01 ± 0.03
278	2nd	Attic Stairs	C	Wall	Plaster	Unpainted	Fair	Negative	0.01 ± 0.02
279		Exterior	A	Door Lft	Wood	Brown	Fair	Negative	0.01 ± 0.03
280		Exterior	A	Door Lft	Wood	Brown	Fair	Negative	0.08 ± 0.08
281		Exterior	A	Door Rht	Wood	Brown	Fair	Negative	0.05 ± 0.07
282		Exterior	A	Door Rht	Wood	Brown	Fair	Negative	0.13 ± 0.10
283		Exterior	A	Door Jamb	Wood	Green	Intact	Positive	5.20 ± 2.80
284		Exterior	A	Window Sill Lft	Wood	White	Fair	Positive	8.80 ± 6.90
285		Exterior	A	Window Blind Stop	Wood	White	Fair	Positive	8.30 ± 5.50
286		Exterior	A	Window Sill Rht	Wood	White	Peeling	Positive	6.90 ± 5.90
287		Exterior	A	Window Blind Stop	Wood	White	Intact	Positive	6.60 ± 4.40
288		Exterior	A	Ext. Siding	Metal	Orange	Intact	Positive	5.80 ± 3.10
289		Exterior	A	Porch Rail Cap Lft	Wood	Orange	Poor	Positive	1.30 ± 0.20
290		Exterior	A	Porch Baluster	Wood	Orange	Poor	Positive	23.50 ± 14.80
291		Exterior	D	Porch Baluster	Wood	Orange	Fair	Negative	0.00 ± 0.02
292		Exterior	D	Porch Rail Cap	Wood	Orange	Poor	Negative	0.00 ± 0.02
293		Exterior	B	Porch Rail Cap	Wood	Orange	Poor	Positive	1.20 ± 0.20
294		Exterior	A	Stair Baluster	Wood	Orange	Fair	Negative	0.00 ± 0.02
295		Exterior	A	Stair Railing	Wood	Orange	Peeling	Negative	0.01 ± 0.02
296		Exterior	A	Stair Railing	Wood	Orange	Peeling	Negative	0.00 ± 0.02
297		Exterior	A	Porch Ceiling	Wood	White	Intact	Positive	31.00 ± 18.10
298		Exterior	A	Porch Floor	Wood	Unpainted	Intact	Negative	0.01 ± 0.02
299		Exterior	A	Porch Floor Edge	Wood	White	Peeling	Positive	2.70 ± 1.70
300		Exterior	A	Porch Floor Edge	Wood	White	Peeling	Positive	6.20 ± 3.30
301		Exterior	B	Porch Floor Edge	Wood	Green	Peeling	Positive	4.20 ± 1.80
302		Exterior	B	Window Sill Lft	Wood	White	Peeling	Positive	1.50 ± 0.50
303		Exterior	B	Window Blind Stop	Wood	White	Peeling	Positive	2.20 ± 0.80
305		Exterior	B	Ceiling Window Sill Lft	Wood	White	Damaged	Positive	2.80 ± 1.70
306		Exterior	B	Ceiling Window Sash Lft	Wood	White	Damaged	Positive	3.90 ± 1.00
307		Exterior	B	Ext. Foundation	Concrete	White	Damaged	Positive	3.00 ± 1.30
308		Exterior	B	Ext. Foundation	Concrete	White	Damaged	Positive	2.80 ± 1.10
309		Exterior	B	Window Infill	Paneling	Orange	Peeling	Negative	0.00 ± 0.02
310		Exterior	B	Ext. Siding	Metal	Orange	Fair	Negative	0.01 ± 0.02
312		Exterior	A	Ext. Siding	Metal	Orange	Fair	Negative	0.50 ± 0.50
313		Exterior	C	Ext. Siding	Metal	Orange	Fair	Negative	0.40 ± 0.60
314		Exterior	D	Ext. Siding	Metal	Orange	Intact	Negative	0.04 ± 0.04
315		Exterior	C	Bulkhead Door	Metal	Red	Poor	Negative	0.00 ± 0.02
316		Exterior	C	Bulkhead Frame	Metal	Red	Fair	Negative	0.00 ± 0.02
317		Exterior	C	Door (to Kitchen)	Wood	Green	Poor	Positive	2.60 ± 1.20
318		Exterior	C	Door Jamb	Wood	Green	Intact	Negative	0.27 ± 0.15

Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
319		Exterior	C	Door Stop	Wood	Green	Poor	Positive	6.00 ± 3.20
320		Exterior	C	Door Threshold	Wood	Gray	Peeling	Positive	7.40 ± 6.30
321		Exterior	C	Porch Column	Wood	White	Fair	Negative	0.00 ± 0.02
322		Exterior	C	Porch Column	Wood	White	Fair	Negative	0.00 ± 0.02
323		Exterior	C	Porch Rail Cap	Wood	White	Peeling	Negative	0.03 ± 0.04
324		Exterior	C	Porch Rail Cap	Wood	White	Peeling	Negative	0.01 ± 0.03
325		Exterior	C	Porch Ceiling	Wood	White	Fair	Negative	0.60 ± 0.20
326		Exterior	C	Porch Ceiling	Wood	White	Poor	Positive	4.70 ± 2.50
327		Exterior	C	Porch Upper Trim	Wood	White	Poor	Positive	8.40 ± 6.80
328		Exterior	C	Ext. Soffit	Wood	White	Poor	Positive	10.10 ± 6.60
329		Exterior	C	Porch Floor	Wood	Unpainted	Fair	Negative	0.08 ± 0.07
330		Exterior	C	Porch Steps	Wood	Unpainted	Poor	Negative	0.13 ± 0.09
331		Exterior	C	Door Kick Plnte	Wood	Green	Peeling	Positive	4.60 ± 2.20
332		Exterior	C	Stair Newel Post	Wood	White	Poor	Negative	0.00 ± 0.02
333		Exterior	C	Cell. Wind. Frame	Wood	White	Poor	Positive	5.90 ± 3.70
334		Exterior	C	Cell. Wind. Sash	Wood	White	Defective	Positive	3.10 ± 1.60
335		Exterior	C	Ext. Foundation	Concrete	White	Intact	Negative	0.01 ± 0.02
336		Exterior	C	Ext. Foundation	Concrete	White	Intact	Positive	4.90 ± 3.30
337		Exterior	C	Pipe	Metal	White	Fair	Negative	0.08 ± 0.09
338		Exterior	C	Window Sill Lft	Wood	White	Fair	Negative	0.40 ± 0.20
339		Exterior	C	Window Sill Lft	Wood	White	Fair	Positive	3.60 ± 1.80
340		Exterior	D	Cell. Wind. Frame	Wood	White	Peeling	Negative	0.28 ± 0.21
341		Exterior	D	Cell. Wind. Frame	Wood	White	Peeling	Negative	0.30 ± 0.22
342		Exterior	D	Ext. Foundation	Concrete	White	Peeling	Positive	1.90 ± 0.80
343		Exterior	D	Chimney	CMU	White	Peeling	Negative	0.00 ± 0.02
344		Exterior	D	Chimney	CMU	White	Fair	Negative	0.02 ± 0.03
345		Exterior	D	Window Sill Lft	Wood	White	Peeling	Positive	1.70 ± 0.60
346		Exterior	D	Window Blind Stop	Wood	White	Peeling	Positive	2.00 ± 0.70
347		Exterior	D	Window Casing Ctr	Wood	White	Peeling	Positive	4.40 ± 2.70
348		Exterior	D	Window Sill Rht	Wood	White	Peeling	Positive	4.20 ± 2.80
349		Garage Ext	A	Door Lft	Wood	Green	Peeling	Positive	8.20 ± 4.20
350		Garage Ext	A	Door Rht	Wood	Green	Peeling	Positive	3.60 ± 1.80
351		Garage Ext	A	Door Casing	Wood	Green	Peeling	Positive	4.30 ± 2.90
353		Garage Ext	A	Corner Trim	Wood	Green	Peeling	Positive	1.70 ± 0.50
354		Garage Ext	A	Ext. Siding	Wood	White	Peeling	Positive	3.50 ± 2.10
355		Garage Ext	A	Ext. Soffit	Wood	Green	Intact	Positive	10.20 ± 8.50
356		Garage Ext	A	Ext. Fascia	Wood	Green	Peeling	Positive	7.30 ± 3.90
357		Garage Ext	B	Ext. Fascia	Wood	Green	Peeling	Positive	7.30 ± 6.30
358		Garage Ext	B	Door	Wood	Green	Peeling	Positive	9.50 ± 7.00
359		Garage Ext	B	Door Casing	Wood	Green	Peeling	Positive	9.90 ± 7.10
360		Garage Ext	B	Ext. Siding	Wood	White	Peeling	Positive	22.30 ± 14.30
361		Garage Ext	B	Window Casing	Wood	Green	Peeling	Positive	9.70 ± 7.10
362		Garage Ext	B	Window Sash Ext.	Wood	Green	Peeling	Positive	4.10 ± 2.70
363		Garage Ext	C	Ext. Siding	Wood	White	Peeling	Positive	4.80 ± 2.40
364		Garage Ext	D	Ext. Siding	Wood	White	Peeling	Positive	2.40 ± 1.20
365		Garage Ext	D	Ext. Soffit	Wood	Green	Poor	Positive	6.70 ± 3.60
366		Yard	D	Fence	Wood	White	Poor	Negative	0.00 ± 0.02
368				Calibration- Surface			1.53mg/cm ²	Positive	1.60 ± 0.10
370				Calibration- Surface			1.04mg/cm ²	Positive	1.00 ± 0.10
371				Calibration- Surface			1.04mg/cm ²	Positive	1.20 ± 0.10
372				Calibration- Surface			1.04mg/cm ²	Positive	1.10 ± 0.10
373				Calibration- Surface			0.01mg/cm ²	Negative	0.00 ± 0.02



Lead Dust Wipe Analysis Report

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Report Number: 18-06-00220

Received Date: 06/04/2018
Analyzed Date: 06/07/2018
Reported Date: 06/07/2018

Client: CT Lead Paint Solutions Inc.
1245 Hebron Avenue
Glastonbury, CT 06033

Project/Test Address: 18-0199; Norwich Pb - Corrielus Residence Assessment Tests; 15 Ann St; Norwich, CT 06360
Collection Date: 05/30/2018

Client Number:
07-1566

Laboratory Results

Fax Number:
860-633-3330

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft ²)	Concentration (ug/ft ²)	Narrative ID
18-06-00220-001	DW-1	C SIDE NEAR DOOR CERAMIC KITCHEN	FL	6.34	1.00	6.34	
18-06-00220-002	DW-2	B SIDE RIGHT WOOD ROOM 4	SL	166	0.656	253	
18-06-00220-003	DW-3	B SIDE RIGHT VINYL ROOM 4	WW	237	0.715	331	
18-06-00220-004	DW-4	B SIDE LANDING WOOD FRONT STAIRS	FL	15.2	1.00	15.2	
18-06-00220-005	DW-5	B SIDE WOOD FRONT STAIRS	SL	34.5	0.656	52.7	
18-06-00220-006	DW-6	A SIDE NEAR CLOSET CARPET ROOM 7	FL	<5.00	1.00	<5.00	
18-06-00220-007	DW-7	D SIDE WOOD ROOM 7	SL	26.0	0.656	39.6	

Environmental Hazards Services, L.L.C

Client Number: 07-1566
Project/Test Address: 18-0199; Norwich Pb - Corrielus Residence
 Assessment Tests; 15 Ann St; Norwich, CT 06360

Report Number: 18-06-00220

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft ²)	Concentration (ug/ft ²)	Narrative ID
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Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #: CT PH-0234

Reviewed By Authorized Signatory: Melissa Kanode

Missy Kanode

QA/QC Clerk

The Federal lead guidelines for dust clearance levels by wipe sampling: Floors (FL) - 40 ug/ft², Interior Window Sills (SL) - 250 ug/ft², Window Wells (WW) - 400 ug/ft².

Effective April 1, 2017 all existing Office of Lead Hazard Control and Healthy Homes (OLHCHH), Lead Based Paint Hazard Control (LBPHC), and Lead Hazard Reduction (LHRD) grantees will use the following dust-lead action levels and clearance action levels (or lower levels if required by local, state or tribal authorities having jurisdictions):

Dust-Lead Action Levels: Floors (FL) - ≥ 10 ug/ft², Window Sills (SL) - ≥ 100 ug/ft²

Lead Clearance Action Levels: Interior Floors (FL) - < 10 ug/ft², Porch Floors (PFL) - < 40 ug/ft²
 Window Sills (SL) - < 100 ug/ft², Window Troughs (WW) - < 100 ug/ft²

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft² are calculated based on area supplied by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. EHS sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Services, L.L.C.

ELLAP Accreditation through AIHA-LAP, LLC (100420), NY ELAP #11714.

Legend	ug = microgram	ug/ft ² = micrograms per square foot	Pb = lead
	mL = milliliter	ft ² = square foot	

Environmental Hazards Services, LLC
 7469 Whitepine Road
 North Chesterfield, Virginia 23237
 804-275-4788

18-06-00220



Due Date:
 06/07/2018
 (Thursday)
 AE

(Handwritten signature)

CHAIN OF CUSTODY FORM

Date: May 31, 2018
 Company Name: CT Lead Paint Solutions, LLC
 Address: 1245 Hebron Ave.
 City, State, Zip: Glastonbury, CT 06033
 Phone: 860-633-3330
 Project Name: Norwich Pb - Corriellus Residence Assessment Tests
 Project Address: 15 Ann St, Norwich, CT 06360
 Project Number: 18-0199

E-mail to: andrew@ctleadpaint.com
 Dates of Collections: May 30, 2018

Matrix	Method	Instrument	Method Detect Limits	TAT
Lead in Dust	EPA SW 846 7420	Flame Atomic Absorption	3.0 µg/wipe	three day

Lead Wipes Used

Lead in Dust

Sample #	Area size/ Sq. inch	Location Sample and substrate	Room or Area
DW-1	144.00	Floor, C side, near door, ceramic	Kitchen
DW-2	94.50	Window sill, B side, right, wood	Room 4
DW-3	103.00	Window well, B side, right, vinyl	Room 4
DW-4	144.00	Floor, B side, landing, wood	Front Stairs
DW-5	94.50	Window sill, B side, wood	Front Stairs
DW-6	144.00	Floor, A side, near closet, carpet	Room 7
DW-7	94.50	Window sill, D side, wood	Room 7
Collected	Andrew Miller	Signature <i>Andrew Miller</i>	Date: May 30, 2018
Mailed	Andrew Miller	Signature <i>Andrew Miller</i>	Date: May 31, 2018
Received	<i>T.M.</i>	<i>(Signature)</i>	Date: 6/4/2018



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Lead in Soil Analysis Report

Report Number: 18-06-00216

Client: CT Lead Paint Solutions Inc.
 1245 Hebron Avenue
 Glastonbury, CT 06033

Received Date: 06/04/2018
Analyzed Date: 06/06/2018
Reported Date: 06/07/2018

Project/Test Address: 18-0199; Norwich Pb - Corriellus Residence Assessment Tests; 15 Ann St; Norwich, CT 06360
Collection Date: 05/30/2018

Client Number:
 07-1566

Laboratory Results

Fax Number:
 860-633-3330

Lab Sample Number	Client Sample Number	Collection Location	Concentration ppm (ug/g)	Narrative ID
18-06-00216-001	SOIL-1	A, B, AND D SIDES OF FRONT PORCH	1400	
18-06-00216-002	SOIL-2	B SIDE LEFT AND C SIDE	1200	
18-06-00216-003	SOIL-3	C SIDE	660	

Environmental Hazards Services, L.L.C

Client Number: 07-1566
Project/Test Address: 18-0199; Norwich Pb - Corriellus Residence Assessment
Tests; 15 Ann St; Norwich, CT 06360

Report Number: 18-06-00216

Lab Sample Number	Client Sample Number	Collection Location	Concentration ppm (ug/g)	Narrative ID
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Method: ASTM E-1979-17/EPA SW846 7000B
Accreditation #: CT PH-0234

Reviewed By Authorized Signatory: Melissa Kanode
Missy Kanode
QA/QC Clerk

The Federal lead guidelines for lead in soil is 400 ug/g (ppm) in play areas, and 1200 ug/g (ppm) in bare soil in the remainder of the yard. The Reporting Limit (RL) is 10.0 ug Total Pb. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Unless otherwise noted, samples are reported without a dry weight correction. Sample location, description, area, volume, etc., was provided by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. EHS sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C.

ELLAP Accreditation through AIHA-LAP, LLC (100420), NY ELAP #11714.

LEGEND	ug = microgram	ppm = parts per million
	ug/g = micrograms per gram	

18-06-00216

Environmental Hazards Services, LLC
 7469 White Pine Road
 North Chesterfield, Virginia 23237
 804-275-4788



Due Date:
 06/07/2018
 (Thursday)
 AE

CHAIN OF CUSTODY FORM

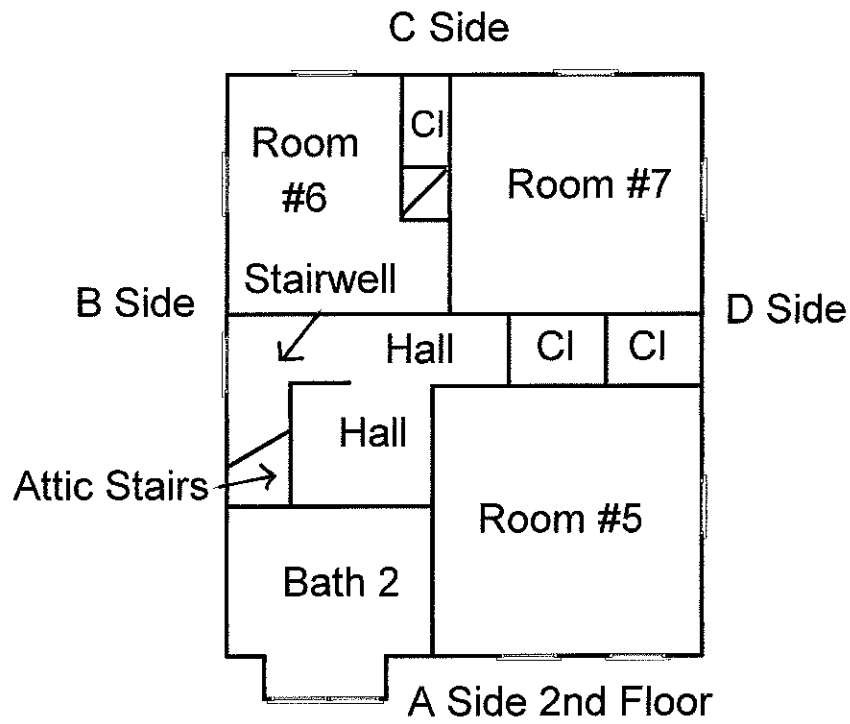
Date: May 31, 2018
 Company Name: CT Lead Paint Solutions, LLC
 Address: 1245 Hebron Ave.
 City, State, Zip: Glastonbury, CT 06033
 Phone: 860-633-3330
 Project Name: Norwich Pb - Corrielus Residence
 Assessment Tests
 Project Address: 15 Ann St, Norwich, CT 06360
 Project Number: 18-0199

E-mail to: andrew@ctleadpaint.com
 Dates of Collections: May 30, 2018

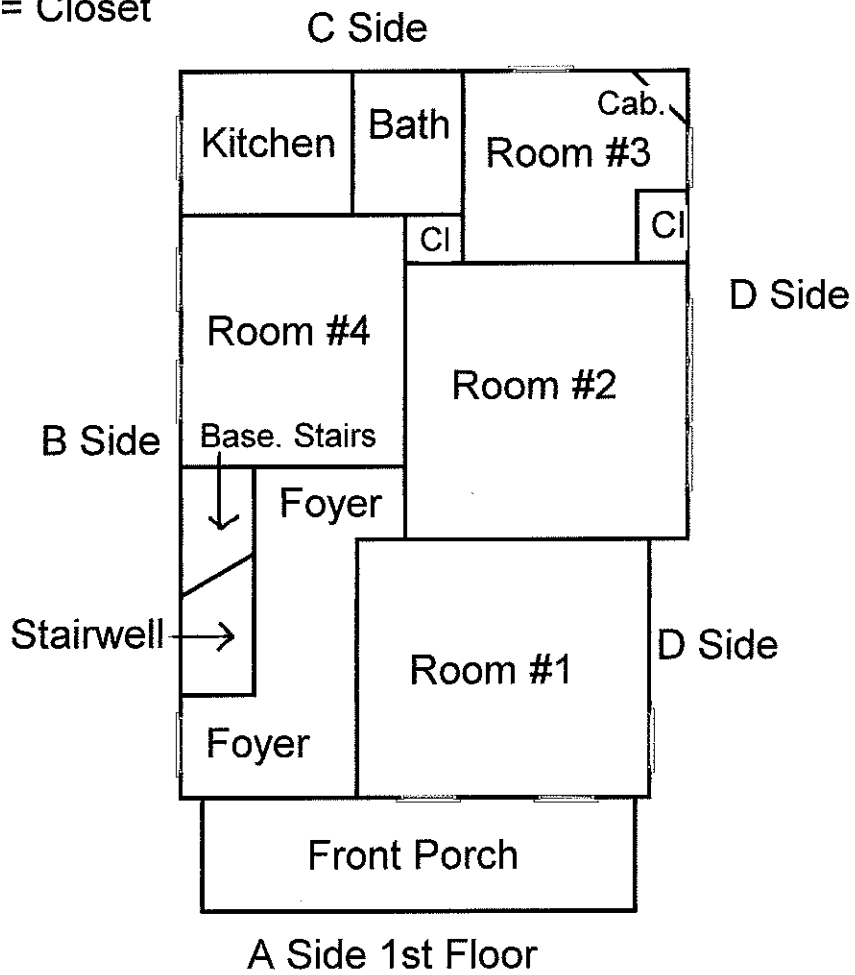
Matrix	Method	Instrument	mdls	TAT
Lead in Soil	EPA846-7420	Flame Atomic Absorption	20mg/kg 20 ppm	three days

Lead in Soil

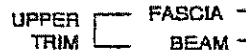
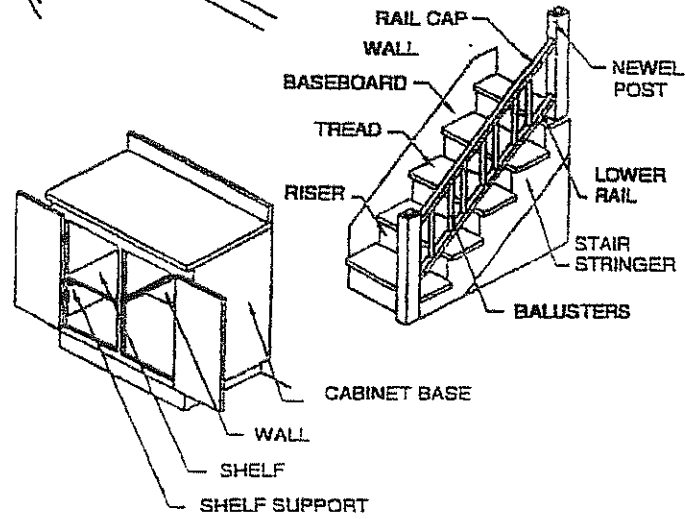
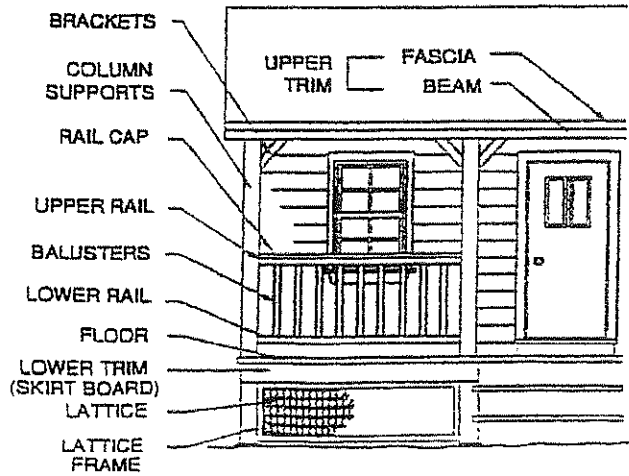
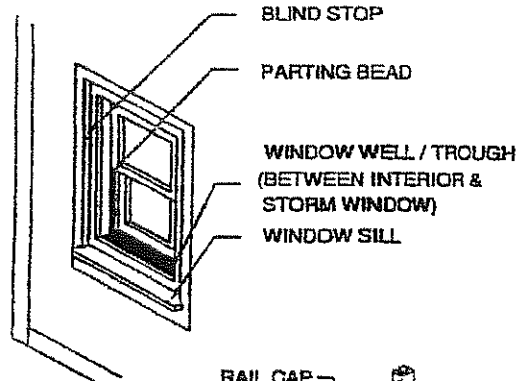
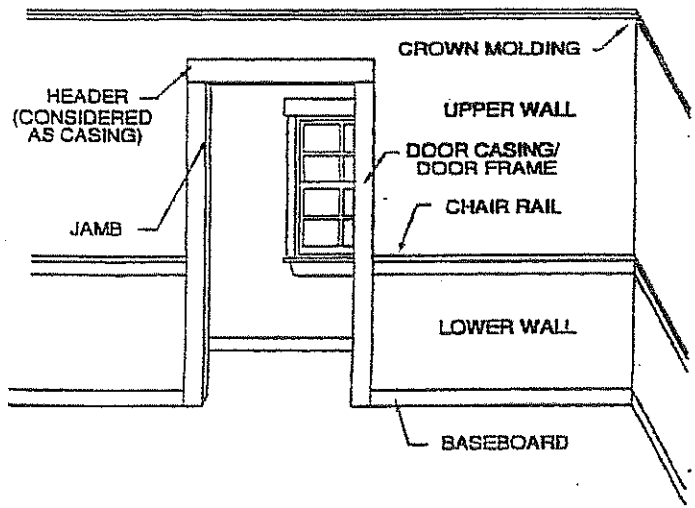
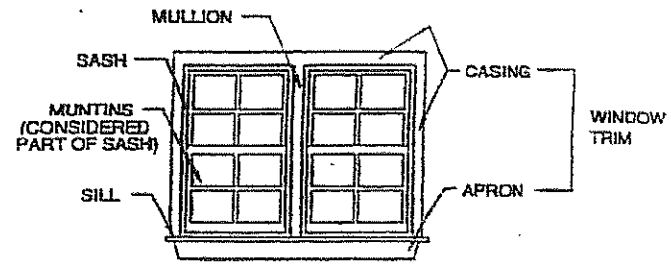
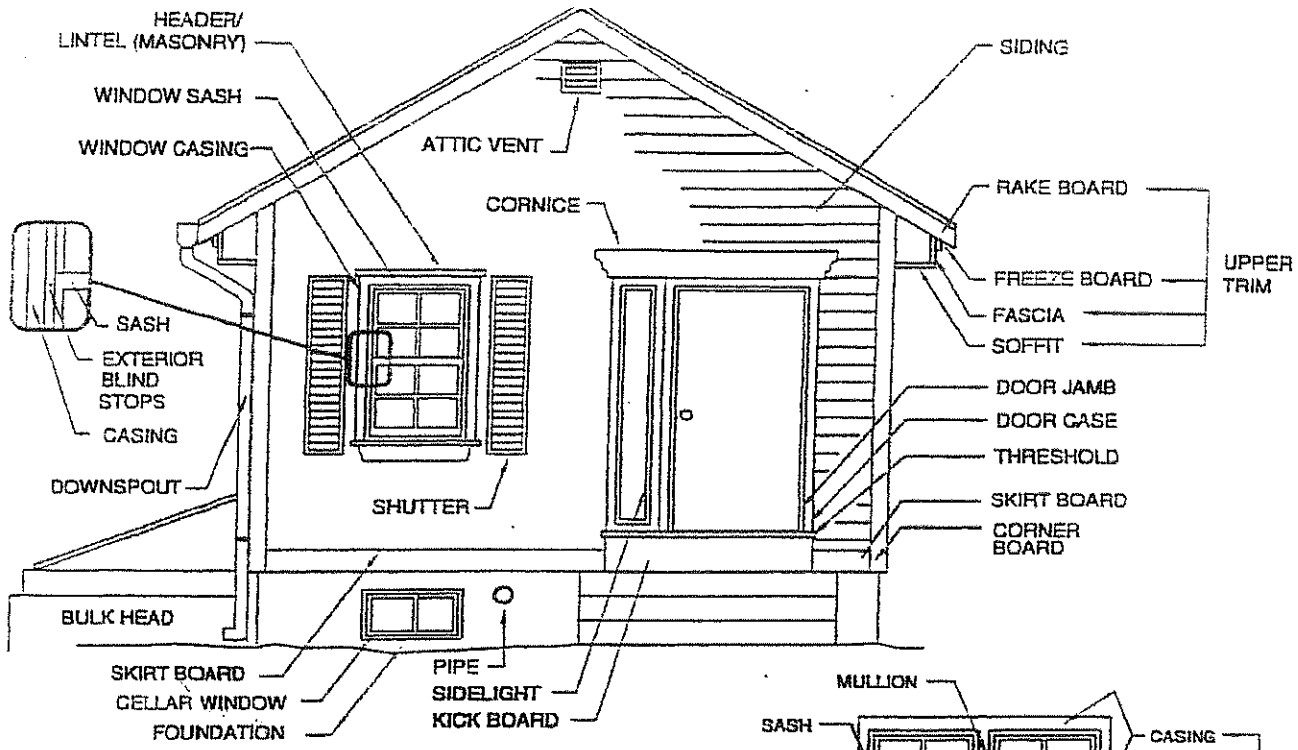
Sample #	Exterior Area	Location Sample	Comments	Lab notes
Soil - 1	Collected along perimeter of Front Porch, 1 foot out	A, B and D sides of Front Porch	8 composite sample	
Soil - 2	Collected along perimeter of foundation, 1 foot out	B side left and C side	6 composite samples	
Soil - 3	Along concrete walkway, with-in 1 foot and random Rear Yard	C side	4 composite samples and 4 composite samples	
				Lab, please mix sample
Collected by	Andrew Miller	Sign. <i>Andrew Miller</i>		Date: May 30, 2018
Mailed by	Andrew Miller	Sign. <i>Andrew Miller</i>		Date: May 31, 2018
Received by	<i>T. Miller</i>	Sign. <i>[Signature]</i>		Date: 6/1/18 9:22



Cl = Closet



15 Ann St, Norwich, CT 06360



Connecticut Lead Paint Solutions, LLC

1245 Hebron Avenue
Glastonbury, CT 06033
860-633-3330
CT License #2124
andrew@ctleadpaint.com

Lead Paint Inspections & Testing
Consulting & Cost Analysis
Abatement/Management Plans
Abatement & Clean-up

Lead Abatement Plan for 15 Ann St Norwich, CT 06360

A. Background Information

This abatement plan was submitted on July 26, 2018. Revised July 31, 2018

Address of property to be abated;
15 Ann St
Norwich, CT 06360

This abatement plan was prepared by
Planner/Project Designer; Andrew Miller
Certificate #002129
1245 Hebron Ave
Glastonbury, CT 06033
860-633-3330

The property was inspected by;
Connecticut Lead Paint Solutions, LLC
1245 Hebron Ave
Glastonbury, CT 06033
860-633-3330
Lead Consultant Contractor License; #2124
Lead Inspector/Risk Assessor; Andrew Miller
Lead Inspector/Risk Assessor #002179
Date of inspection was May 30, 2018.

B. Owner/Owner Agent Information

The owner and agent of the house is;
Jean Corrielus
15 Ann St
Norwich, CT 06360
845-245-1397

C. Resident Information

At the time of the inspection no children under the age of Six years resided in the dwelling. The occupants will be notified at least 5 days prior to starting any work.

D. Abatement Contractor Information

The lead abatement contractor has not been selected yet. The Uncas Health Department will be notified when the selection has been made and before any work is started.

E. Repairs Prior to Abatement

No repair appear to be required prior to starting the abatement work.

F. Abatement Techniques to be Used

1. **Component Replacement.** Replace positive wood window sashes and cellar windows with Vinyl Replacement Windows (VRW) and some existing doors with new pre-hung door units. The replacement windows will cover all impact and friction surfaces on the window wells and all parting beads will be removed.
2. **Liquid Encapsulation.** Remove all defective paint, feather out all edges, wet sand and wash surface, on both the interior and exterior. Prime as required and paint with an approved encapsulating paint. The encapsulating paint must contain Bitrex.
3. **Rigid Encapsulation.** Cover the exterior window frames on the house with aluminum trim. Cover any exposed wood siding with vinyl materials. Cover the complete detached garage with vinyl siding and aluminum trim.

Please Note; As an alternative method to removing paint from interior door jambs, the door stops may be removed and luan added to cover the complete door jamb. Add new door stops and adjust doors, as needed. This process is not to be used on any exterior entrance door unit.

The abatement contractor and/or owner must have read and follow Encapsulating Guide book when using encapsulating paints. Follow procedures for testing existing surface to ensure proper adhesion. Document all testing results. Consult with Lead Planner Project Designer if any surfaces fails test and therefore is not acceptable for encapsulation. Follow all procedure on proper preparation of surfaces that are to be encapsulated. The Lead Planner Project Designer will require the abatement contractor, if any, to provide a written and signed statement that they have read and followed the Liquid Encapsulating Guide. The guide is available online at;
http://www.ct.gov/dph/lib/dph/environmental_health/lead/pdf/ce_guide.pdf.

The complete list of all areas and components to be abated, along with the methods to be used, is detailed on the attached abatement sheets.

G. The Dates of the Abatement Project

The estimated starting date of the abatement work is currently unknown. The Uncas Health Department will be notified 5 days prior to starting any abatement work.

H. Notification To The Connecticut Historical Commission

This house was built in or about 1880. The City of Norwich will notify the Connecticut Historical Commission, if required to do so

I. Occupant Notification Procedure

The owner or contractor will provide all tenants with the EPA guide titled; Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools.

Warning signs will be posted on all entrance doors of the building while abatement work is performed. These signs will be in English only.

J. Containment of the Work Area

Interior

Six mil plastic will cover the complete floor in the work areas and be taped completely to the baseboard prior to starting any work. After abatement work is complete, roll plastic inward so all paint chips and debris are sealed in the plastic, tape closed and place in 6 mil plastic bag and tape shut. HEPA vacuum work area after plastic is removed. Cover all heating duct vents, as needed.

Exterior

Containment is required to collect all paint chips and dust that disturbed during the exterior abatement. All windows and entrance doors must be covered with plastic, until all surfaces on that side are prepared for painting and primed.

After the surface preparations and abatement are complete, un-tape the plastic from the adjacent surfaces and roll inward or collapse so all paint chips and debris are sealed in the plastic. Tape the rolled plastic closed with duct tape and dispose of in six mil plastic bag. Hepa vacuum any paint chips on the ground that were not captured by the plastic.

No person will enter or remain in a work area at any time during this project except the owner, or his agent, certified workers, enforcement officials, their designees, or the lead project/planner. People other than those listed above may enter the work area only after the area has been clean-up and vacuumed with a HEPA vacuum.

K. Cleaning After Lead-Based Paint Abatement

Clean-up of the interior areas after the abatement work is completed will be as follows; remove the polyethylene plastic by un-taping from baseboards and rolling plastic inward, overlapping itself, wrap with tape after rolling up. Spray plastic surfaces with water bottle if plastic contains

paint chips or loose debris. This will reduce dust movement. Put plastic into 6 mil plastic bags and tape shut.

HEPA vacuum all uncovered floor, window sills, window wells and all horizontal surfaces in work area. Wash all vacuumed surfaces with TSP or equivalent cleaner and rinsed with clean water. Avoid contaminating the washing solution by only using a clean paper towel or rag to wash surfaces. Discard all towels or rags after using just once. Hold towel/rag in a way that hands are never in contact with TSP solution. Carpeted floor will not be washed but HEPA vacuumed twice. HEPA vacuum wood or hard surface floors again after floors are dry.

Then after waiting 4 hours after active abatement has ceased the final clean-up can begin. For final clean-up, the abatement area is HEPA vacuumed, TSP washed and HEPA vacuumed again.

After 4 hours have passed after the clean-up of the abatement work, the areas will be ready for clearance testing.

L. Waste Disposal

All the waste plastic, overhead door and paint chips that have been removed will be wrapped in clean plastic and taped-up prior to being removed from the containment area. Disposal of all lead abatement waste will be in compliance with current all local and state regulations. If the owner elects to dispose of the debris herself, and the total amount of debris is 10 cubic yard or less, she will have an exemption from the waste disposal regulations. If it is anticipated that the amount of debris will be more than 10 cubic yards, consult with the Lead Planner Project Designer prior to any waste disposal.

M. Worker Protection

The owner, and any authorized visitor, without exception, will wear required protective clothing before entering any work area where active abatement is being performed but not yet completed and cleaned.

The worker protection will be as follows:

1. Workers will wear a full Tyvek suit (or equivalent).
2. Workers will wear booties when working in the containment area or on the containment plastic.
3. A half face respirator, NIOSH approved respirators, as required by Connecticut laws with an appropriate filter, (for lead dust) will be used when removing any window or door component.

No smoking, eating or drinking is to be done in the containment areas, and; the workers will wash hands at the end of working and before eating or drinking. Hand to Mouth activities are the easiest way for workers to be exposed to lead.

N. Clearance Testing

After the abatement work is complete and the areas have been cleaned up, a visual inspection will be performed and dust wipes samples will be collected in all rooms or areas where abatement work was performed. The visual inspection and the dust wipe samples will be done by the Uncas Health Department , Connecticut Lead Paint Solutions, LLC 1245 Hebron Ave, Glastonbury, CT 06033 860-633-3330 or another licensed lead consultant. Three dust wipe samples will be

collected in each interior room or area where abatement was performed, one on a floor, one on a window interior sill and one on a window well in each room or area.

The clearance levels must be less than, as follows:

Floors	10ug/ft ² (micrograms per square foot of surface)
Porch Floors	40ug/ft ² (micrograms per square foot of surface)
Window Sills	100ug/ft ² (micrograms per square foot of surface)
Windows Wells	100ug/ft ² (micrograms per square foot of surface)

A final inspection will verify that all abatement work, as detailed in the abatement plan, has been completed, and that all of the clearance dust wipe tests results are under state action levels. Verify that all debris and construction materials removed from work areas. The letter of compliance shall then be issued by the Uncas Health Department.

Lead Management Plan

A lead management plan will need to be written, explaining which areas still have lead-based paint, when and how they will be periodically monitored. The lead management plan must be sent to the Uncas Health Department for their approval. The lead management plan will also include all surfaces that have been prepared and painted with an approved encapsulating paint. This will ensure that all current and future owners of this building are aware that even though the existing lead paint is covered and abated according to regulations, there is still lead-based paint under the new encapsulating paint.

The management plan will be written after the abatement is completed, since some changes from this abatement plan may occur, due to field conditions. Any changes, however, must be approved by the Uncas Health Department.

Abatement Sheet for
15 Ann St
Norwich, CT 06360

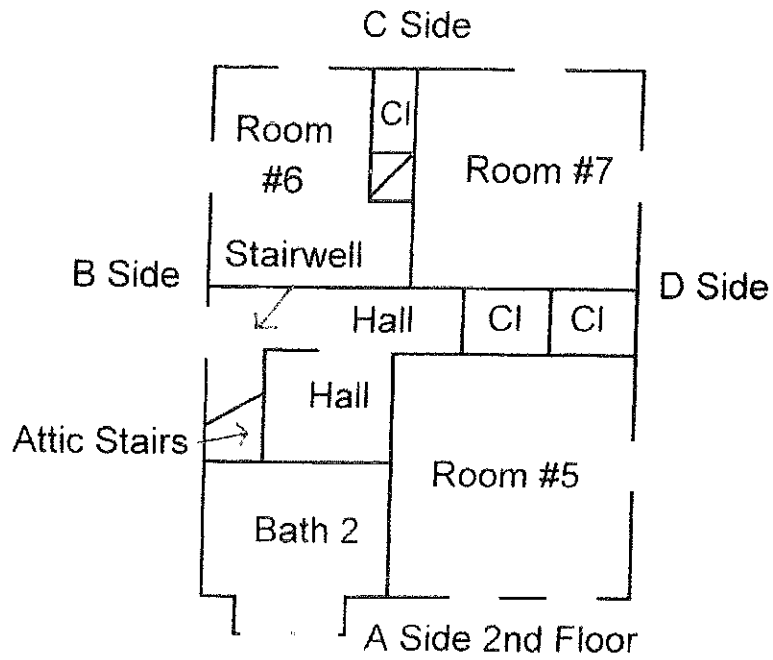
Room or Area	Component, number of components, Substrate	Location	Abatement Method	Comments
1st floor				
Room 3	Cabinet walls, plaster	C/D sides	Prepare surfaces, remove all defective paint and encapsulate with an approved paint. (Prepare and encapsulate)	
Stairwell, 2 nd floor	Window sashes, 1, wood (match existing windows, believed to be Certainteed)	B side	Replace with vinyl replacement units.	(window trim is neg. LBP)
Bath 2	Window sills and casings, 2, wood	A side	Prepare and encapsulate	(window sashes are vinyl)
	Door jamb, 1, wood	C side	Remove all paint and re-test with XRF to ensure lead levels are below reg. limits.	
	Door casings, 1, wood	C side	Prepare and encapsulate	
	Door jamb and casing, 1,	D side	Prepare and encapsulate	This door jamb is not an impact surface
Room 5	Window sashes, 2, wood (match existing windows, believed to be Certainteed)	A side	Replace with vinyl replacement units.	(window trim is neg. LBP) Install sash from the exterior.
	Vinyl replacement unit	D side	Re-adjust window, does not cover all the window well.	Alternate method. Replace with correct sized window.
Attic	Window sashes, 4, wood	A and C sides	Replace with vinyl replacement units.	
	Remaining exposed wood trim	A and C sides	Prepare and encapsulate	
Exterior				
Front Porch, ext.	Door jamb, 1, wood	A side	Remove all paint from 1 inch from closed entrance doors and any paint that weeped on interior stop. Prepare all surfaces and encapsulate	Alternate method. Cover with aluminum trim and add vinyl weather strip.

Abatement sheet for 15 Ann St, Norwich, CT 06360

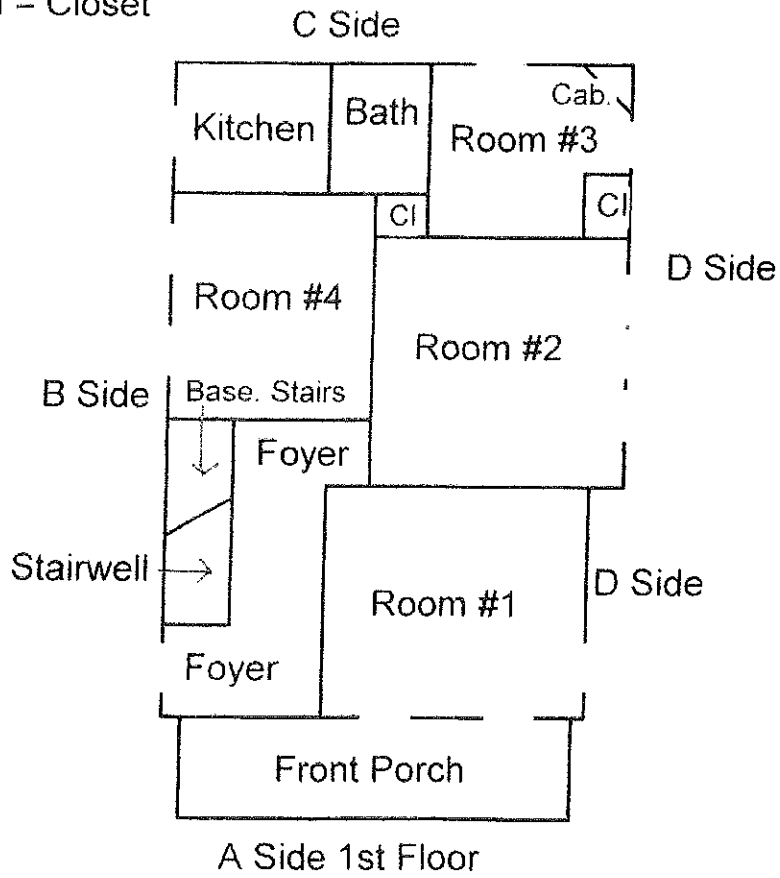
Room or Area	Component, number of components, Substrate	Location	Abatement Method	Comments
Front Porch, Ext. (continued)	Porch railings and balusters, all, wood (the D side railings are all negative for LBP)	A and B sides	Prepare and encapsulate	Note; this rail system may not meet current building codes for height. Alternate method. Replace complete rail system
	Floor edge, all, wood (beyond rail system)	A, B and D side	Prepare and encapsulate	Not an impact surface
	Floor edge, all, wood (at stairs)	A side	Remove all positive paint, if any.	
	Window sill, 2, wood	A side	Cover with aluminum trim	
	Window Blind stops, 2, wood	A side	Cover with aluminum trim	Alternate method. Remove, if possible and replace with Azak strips , overlapping 1/2 inch on existing aluminum casing.
Exterior	Window sill and casings, all, wood	All sides	Cover with aluminum trim	
	Window sill(s),	D side left, 1 st floor	Repair or replace damaged windows sill(s), as need prior to being covered with aluminum.	Inspect all sills and repair any needing work.
	Window blind stops, all, wood	All sides	Cover with aluminum trim	Alternate method. See above- Azak
	Window, now boarded-up	C side	The program will discuss options with owner to more permanently cover this window	
	Aluminum storm units, approx. 3	All side	Remove all existing storm units.	
	Cellar window frames and sash approx. 5 units	B, C and D sides	Replace all damaged and or rotten cellar sills and frames, as needed. Replace sash with vinyl units and cover all wood frames/sills with aluminum. Consult with program if the bottom of sill is not at least 8 inches above grade.	
	Cellar unit,	D side left	The program will discuss options with owner to either permanently cover this window or replace with new vinyl unit and aluminum trim.	
	Exposed wood shingles, all	A side	Remove all vinyl siding from A side gable and save. Replace with new siding, color to be picked by owner.	
	Exposed wood shingles, all	C side	Cover all exposed wood siding with vinyl saved from A side	The contractor is to report any other siding that is exposed.

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Room or Area	Component, number of components, Substrate	Location	Abatement Method	Comments
Exterior (continued)	Ext foundation, all, concrete (now damaged)	B side	Repair all damaged concrete. Prepare and encapsulate complete foundation	
	Ext foundation, all, concrete	C and D	Prepare and encapsulate	
	Door, door threshold and kickplate, 1 each, wood	C side	Replace with new metal unit. Remove existing threshold and kick plate, replace with new	
	Porch ceiling, upper trim and ext. soffit and fascia, all	C side	Cover all with aluminum	Overhang at kitchen door
Garage	Garage door(s), wood	A side	Replace with new OH door	Program will discuss options with owner
	Door, 1, wood	B side	Replace with new metal unit	
	Door casings and jambs, 2, wood	A, and B sides	Cover all with aluminum	
	Window sash. 1, wood	B side	Replace with vinyl replacement unit.	
	Window casings, all upper trim (soffits and fascia), wood	All sides	Cover all with aluminum	
	Crown and fascia,	B side	Repair damaged or rotten trim, before covering	
	Ext. wood siding	All sides	Cover with Tyvek or equivalent and cover with vinyl siding.	Contractor to ensure the grade is at least 6 inches below siding.
	Debris along garage	All sides	The program will instruct the owner to remove all debris from at least 6 feet from garage, so the contractor can work safely.	
Grounds	Bare soil, all	A, B and C sides	Hepa vacuum all visible paint chips and plant grass out 4 feet and in rear yard	D side has asphalt covering most



Cl = Closet



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