



Addendum No.: 6

Date Of Addendum: September 28, 2017

**CT DAS | Construction Services | Process Management and Procurement Unit**

**Fire Alarm & Sprinkler Project  
Veterans' Home – 287 West Street  
Rocky Hill, CT  
BI – C – 285 / FAI Number 09-016**

Original Bid Due Date / Time:

10/4/2017

1:00 pm

Previous Addendums: Addendum #5 dated September 27, 2017, Addendum #4 dated September 22, 2017, Addendum #3 dated September 13, 2017, Addendum #2 dated September 6, 2017, Addendum #1 dated August 18, 2017

**TO: Prospective Bid Proposers:**

This Addendum forms part of the "Contract Documents" and modifies or clarifies the original "Contract Documents" for this Project dated July 18, 2017. Prospective Bid Proposers **shall** acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form.

**Failure to acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form shall subject Bid Proposers to disqualification.**

The following clarifications are applicable to drawings and specifications for the project referenced above.

**Item 1:**

Contractor to provide remote power supplies as necessary to meet circuit specifications. Any remote power supplies shall utilize spare circuit breaker in power panel in the area served. Any remote power supply provided shall also have a smoke detector located on ceiling above power supply.

**Item 2:**

Contractor shall utilize existing fire alarm 120 volt branch circuits for all new fire alarm panels. Branch circuits shall be extended as necessary.

**Item 3:**

Exterior – Contractor is responsible to paint fire lane/no parking and stripping as shown on drawing FP-02.0. See attached painting specification 09 91 13.

**Item 4:**

All Buildings – Contractor is responsible to patch and paint to match existing surfaces where demolition and/or new work affect the buildings finishes. See attached painting specification 09 91 23.

**Item 5:**

Building #2 – First Floor - Fire alarm annunciator as shown on drawing FA500.2 shall be located in food service administrator's office.

**Item 6:**

Building #2 – All exposed sprinkler system piping shall be painted red. All concealed sprinkler system piping shall have red labels every 25' minimum that reads "Sprinkler System Piping". Provide one label where length is less than 25'.

**Item 7:**

Building #2 – Second Floor – Campus fire alarm computer workstation as shown on drawing FA500.2 shall be located in security/classroom. Final location shall be coordinated with owner.

**Item 8:**

Building #2 – Second Floor – Provide campus fire alarm control panel on north wall in security/classroom.

**Item 9:**



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Building's #3, #4, #50, #52 - Horn/strobes within sleeping areas shall have low frequency sounder. See revised drawings FA103.1, FA103.2, FA104.1, FA104.2, FA150.0, FA150.1, FA150.2, FA150.3, and FA152.0. Low frequency sounders shall meet the requirements of NFPA 72 – 2010 18.4.5.3.

**Item 10:**

Building's #3, #4 - New magnet door holders to the sleeping rooms shall be provided. See revised drawings FA103.1, FA103.2, FA104.1 and FA104.2. Contractor shall use existing 120 volt power noted on drawings for door holders if needed.

**Item 11:**

Building #5 – First Floor – Change fire alarm annunciator shown in south lobby to fire alarm control panel.

**Item 12:**

Building #5 – Third Floor – New pull station in corridor adjacent to room 1329 not required.

**Item 13:**

Building #5 – Third Floor - Remove and replace flow and tamper switch in stairwell adjacent to room 1307.

**Item 14:**

Building #5 – Fourth Floor – Wall mounted horn/strobe in corridor adjacent to room 1401A is not required. Ceiling mounted horn/strobe is sufficient.

**Item 15:**

Building #5 – Fourth Floor – Provide two duct smoke detectors in hallway above ceiling adjacent to room 419. The test stations for these are shown on fifth floor drawing in southeast penthouse.

**Item 16:**

Building #5 – Fourth Floor – Provide two duct smoke detectors in hallway above ceiling adjacent to room 426. The test stations for these are shown on fifth floor drawing in southeast penthouse.

**Item 17:**

Building #7 – First Floor – Remove remote annunciator shown on drawing FA500.2

**Item 18:**

Building #7 – First Floor – Provide weatherproof exterior horn/strobe to the south of the front door.

**Item 19:**

Building #8 – First Floor – Two remote annunciators are shown on floor plans. Add second remote annunciator to riser diagram on Drawing FA500.2.

**Item 20:**

Building #8 – First Floor – Provide weatherproof exterior horn/strobe on first floor level in middle of building.

**Item 21:**

Building #8 – Second Floor – Remove new pull station on north side of exit doorway in east office.

**Item 22:**

Building #9 – Ground Floor – Delete one new smoke detector shown in front of elevator. One smoke detector is capable of elevator recall and door holder controls.

**Item 23:**

Building #10 – First Floor - Provide 26 hours of emergency lighting within the lobby room on the first floor. There shall be two remote lighting fixture one mounted on the south wall, the second mounted on the north wall to illuminate the campus annunciation panel. The battery cabinet shall be located in the storage room of the basement. The battery cabinet shall be circuited to the hot leg of the lighting branch circuit that serves the lobby. Run circuit



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from battery cabinet to emergency fixture in lobby. The remote emergency lighting heads shall be equal to Evenlite PILED1-MV-HL. The battery cabinet shall be equal to Evenlite H4E180-0-SD.

**Item 24:**

Building #10 – First Floor – Provide smoke detector in lobby on ceiling in vicinity of campus control panel.

**Item 25:**

Building #20 – Exterior pull station shall be weatherproof.

**Item 26:**

Building #20 – Provide weatherproof exterior horn/strobe above exterior pull station.

**Item 27:**

Building #50 – First Floor – Provide weatherproof exterior horn/strobe adjacent to front door on outside wall of conference room.

**Item 28:**

Building #50 – Third Floor – Speaker/strobes shown shall be Horn/strobes.

**Item 29:**

Building #60 – First Floor – Provide weatherproof exterior horn/strobe at south end of building on outside wall of office 4.

**Item 30:**

Adult Care – Lower Level – Drawing FA165.1 – Receiving – Provide remote annunciator and remote voice control center adjacent to pull station. Provide one smoke detector on ceiling above panels. Add panels to riser diagram on Drawing FA500.2.

**Item 31:**

Adult Care – Lower Level – Drawing FA165.1 – Receiving – Provide weatherproof exterior horn/strobe at loading dock.

**Item 32:**

Adult Care – Lower Level – Drawing FA165.1 – Mechanical room – change two smoke detectors to heat detectors.

**Item 33:**

Adult Care – All levels – Five smoke detectors shown shall be changed to heat detectors. Detectors are located in the nurses' kitchen by the microwaves. Location of heat detector to be determined in the field.

**Item 34:**

Adult Care – Lower Level – Electrical Room – Provide addressable monitoring module for each transfer switch (two) to monitor generator running status. Supervisory signal shall annunciate when generator is running. These devices are new devices in new location. Provide wiring, raceway and boxes for this device.

**Item 35:**

Adult Care – Delete references to CCTV cameras and weatherproof phone location.

**Item 36:**

Fire Pump Building – Provide weatherproof exterior horn/strobe on outside wall facing roadway. This device is a new device in new location. Provide wiring, raceway and boxes for this device.

**Item 37:**

Domestic Water Supply Building – Provide weatherproof exterior horn/strobe on outside wall facing roadway. This device is a new device in new location. Provide wiring, raceway and boxes for this device.

**Item 38:**

Clarification: Specification 28 31 00 – Fire Detection and Alarm – Part 2 Products –



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Approved Manufacturers

1. Notifier
2. Edwards
3. Siemens
4. Simplex

**Item 39:**

Specification 28 31 00 – Fire Detection and Alarm – Part 3 – Add 3.02 I – Perform installation and acceptance testing in accordance with Factory Mutual Data Sheet 5-40, Fire alarm Systems and the following table:

Table 1. Performance Checklist for New or Modified Fire Alarm System Installations

<i>Verify these functions</i>	<i>Check</i>
Panels, initiating devices, and notification appliances are identical to those specified during plan review. If not, then verify they are functionally and electrically equivalent.	
All equipment is properly located and securely mounted.	
The number of initiating and notification devices, as well as their locations matches that specified in proposed plans. If not, ask the installer to recalculate the secondary power supply capacity.	
The source of branch circuits supplying fire alarm system is prominently marked, secured, and accessible only to authorized personnel.	
Power supervisory lights at the panel and all detectors are operating.	
Test and record results of ½ hour run on backup generators under load.	
Test supervision of initiating device circuits: Create a fault condition by removing one wire from the device (smoke or heat detector) at any location in the loop and check for trouble light and audible indication at the panel within 200 seconds.	
Perform waterflow alarm tests. Verify alarm within 60 seconds of flow.	
Check supervision of valves (tamper switches), supervision of water level for tanks, and supervisory alarms for pumps, etc. if applicable.	
Test fire alarm system auxiliary functions such as fire doors closing and ventilation fans stopping, etc.	
Test off-premises signaling for alarm, trouble and supervisory signals. Check transmitter timing for all transmitters (within 90 seconds). Check the accuracy of the signal description received.	
Activation of any alarm initiating device like smoke detector, heat detector, flame detector, etc. is annunciated at the control or activates fire safety functions at the control within 10 seconds.	

**Item 40:**

Specification 28 31 00 – Fire Detection and Alarm – Part 3 – Add 3.03 F – All owner personnel instruction shall be video recorded. Two copies of all recorded sessions shall be provided in AVI format on compact disk within owners O&M manuals.

**Item 41:**

Question: "Addendum #4 Item #5 Existing water distribution drawings do not clearly show the distance for the following "for bidding purposes include new service with post indicating valve located at building run to "flow" hydrant." Please clarify what the distance is from the commissary building to the "flow" hydrant"

Answer: Owner drawings provided in Addendum #4 are to scale. Contractor can estimate distance for piping run from building to flow hydrant.

**Item 42:**

Question:

"Addendum #4 Item #6 states "For Bidding purposes include new service with post indicating valve located at building run to "flow hydrant" location?"

1. What building does this reference?
2. Where on the building should it tie in?
3. What "flow hydrant" are you referencing?
4. What size should the new service be?

Drawing FP-02 shows a Google Earth Image with 6" CLDI fire service and a new hydrant, but the scope of work is unclear from data provided. Furthermore, Drawing C-401 provided with Addendum 4 suggests that the pipe referenced is existing."

Answer:



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1. This is in reference to building #2.
2. This is shown on drawings FP-02.0 and FP-02.2.
3. This is the hydrant referenced on C-401 provided in Addendum #4.
4. Size is shown on drawings FP-02.0 and FP-02.2.

The fire hydrant shown is existing to remain. Existing fire service piping to building is to be removed as shown on drawing FD-02.0 and replaced with new as shown on drawings FP-02.0 and FP-02.2.

**Item 43:**

Question: "The bid form, Section 00 41 00, Schedule 7.6.1 Supplemental Bids, references work to be completed in accordance with Section 01 23 00. No such section exists in the Project Manual, and there is no written narrative for the two Supplemental bids. What is extent of supplemental bid works?"

Answer: Section 01 23 00 Supplemental Bids is included within Section 01 20 00 Contract Considerations. See Page 6 of 17 of Section 01 20 00.

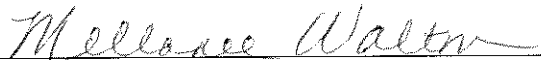
**Item 44:**

Question: Drawing FP-02.0 indicates new "Fire Line" Pavement Markings, and the construction of a new fire line. What is the expectation as far as patching pavement after installation of fire line? Is the existing pavement designed as a fire lane?

Answer: Asphalt repair is shown on Drawing CU500.0. Existing pavement design/installation is unknown.

All questions must be in writing (not phone or e-mail) and must be forwarded to the consulting Architect/Engineer (Fuss & O'Neill, Inc / Allen L. Pigeon, LC, LEED AP – Fax Number (860) 533-5143) with copies sent to the DAS Project Manager (Sarah Tierney – Fax Number (860) 622-2965).

End of Addendum 6

  
Mellanee Walton, Associate Fiscal Administrative Officer  
State of Connecticut  
Department of Administrative Services  
Construction Services  
Office of Legal Affairs, Policy & Procurement

**SECTION 09 91 13**  
**EXTERIOR PAINTING**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Surface preparation.
- B. Field application of paints, stains, and varnishes.
- C. Scope: Finish exterior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.
- D. Do Not Paint or Finish the Following Items:
  - 1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
  - 2. Items indicated to receive other finishes.
  - 3. Items indicated to remain unfinished.
  - 4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.
  - 5. Glass.
  - 6. Concealed pipes, ducts, and conduits.

**1.02 DEFINITIONS**

- A. Conform to ASTM D16 for interpretation of terms used in this section.

**1.03 REFERENCE STANDARDS**

- A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.
- B. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2016.
- C. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; Current Edition, [www.paintinfo.com](http://www.paintinfo.com).

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

**1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Paint Materials: Store at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees C), in ventilated area, and as required by manufacturer's instructions.

**1.06 FIELD CONDITIONS**

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- C. Do not apply exterior paint and finishes during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Provide paints and finishes from the same manufacturer to the greatest extent possible.

- B. Paints:
  - 1. Behr Process Corporation: [www.behr.com](http://www.behr.com).
  - 2. PPG Paints: [www.ppgpaints.com](http://www.ppgpaints.com).
  - 3. Pratt & Lambert Paints: [www.prattandlambert.com](http://www.prattandlambert.com).
  - 4. Sherwin-Williams Company: [www.sherwin-williams.com](http://www.sherwin-williams.com).
  - 5. Valspar Corporation: [www.valsparpaint.com](http://www.valsparpaint.com).
- C. Primer Sealers: Same manufacturer as top coats.
- D. Substitutions: See Section 01 60 00 - Product Requirements.

## **2.02 PAINTS AND FINISHES - GENERAL**

- A. Paints and Finishes: Ready mixed, unless required to be a field-catalyzed paint.
  - 1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
  - 2. Supply each paint material in quantity required to complete entire project's work from a single production run.
  - 3. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.
- B. Volatile Organic Compound (VOC) Content:
  - 1. Provide paints and finishes that comply with the most stringent requirements specified in the following:
    - a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
  - 2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.
- C. Flammability: Comply with applicable code for surface burning characteristics.
- D. Colors: To be selected from manufacturer's full range of available colors.
  - 1. Selection to be made by Engineer after award of contract.

## **2.03 PAINT SYSTEMS - EXTERIOR**

- A. Paint E-Pav - Pavement Marking Paint:
  - 1. Yellow: One coat, with reflective particles.

## **2.04 ACCESSORY MATERIALS**

- A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.
- C. Test shop-applied primer for compatibility with subsequent cover materials.

### **3.02 PREPARATION**

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Seal surfaces that might cause bleed through or staining of topcoat.
- D. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

- E. Asphalt, Creosote, or Bituminous Surfaces: Remove foreign particles to permit adhesion of finishing materials. Apply latex based sealer or primer.

**3.03 APPLICATION**

- A. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".
- B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- C. Apply each coat to uniform appearance.
- D. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

**3.04 CLEANING**

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

**3.05 PROTECTION**

- A. Protect finishes until completion of project.
- B. Touch-up damaged finishes after Substantial Completion.

**END OF SECTION**



**SECTION 09 91 23**  
**INTERIOR PAINTING**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Surface preparation.
- B. Field application of paints, stains, and varnishes.
- C. Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.
- D. Do Not Paint or Finish the Following Items:
  - 1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
  - 2. Items indicated to receive other finishes.
  - 3. Items indicated to remain unfinished.
  - 4. Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.
  - 5. Glass.
  - 6. Concealed pipes, ducts, and conduits.

**1.02 RELATED REQUIREMENTS**

- A. Section 21 05 53 - Identification for Fire Suppression Piping and Equipment: Color coding scheme for items to be painted under this section.

**1.03 DEFINITIONS**

- A. Conform to ASTM D16 for interpretation of terms used in this section.

**1.04 REFERENCE STANDARDS**

- A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.
- B. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2016.
- C. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; Current Edition, [www.paintinfo.com](http://www.paintinfo.com).
- D. SSPC-SP 1 - Solvent Cleaning; 2015.
- E. SSPC-SP 6 - Commercial Blast Cleaning; 2007.

**1.05 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide complete list of products to be used, with the following information for each:
  - 1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
  - 2. MPI product number (e.g. MPI #47).
  - 3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.

**1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

- C. Paint Materials: Store at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees C), in ventilated area, and as required by manufacturer's instructions.

### 1.07 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- C. Do not apply materials when relative humidity exceeds 85 percent; at temperatures less than 5 degrees F (3 degrees C) above the dew point; or to damp or wet surfaces.
- D. Provide lighting level of 80 ft candles (860 lx) measured mid-height at substrate surface.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

- A. Provide paints and finishes from the same manufacturer to the greatest extent possible.
- B. Paints:
  - 1. Behr Process Corporation: [www.behr.com](http://www.behr.com).
  - 2. Cloverdale Paint, Brand Products of Rodda Paint Company: [www.cloverdalepaint.com](http://www.cloverdalepaint.com).
  - 3. PPG Paints: [www.ppgpaints.com](http://www.ppgpaints.com).
  - 4. Pratt & Lambert Paints: [www.prattandlambert.com](http://www.prattandlambert.com).
  - 5. Rodda Paint Co: [www.roddapaint.com](http://www.roddapaint.com).
  - 6. Sherwin-Williams Company: [www.sherwin-williams.com](http://www.sherwin-williams.com).
  - 7. Valspar Corporation: [www.valsparpaint.com](http://www.valsparpaint.com).

### 2.02 PAINTS AND FINISHES - GENERAL

- A. Paints and Finishes: Ready mixed, unless intended to be a field-catalyzed paint.
  - 1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
  - 2. Supply each paint material in quantity required to complete entire project's work from a single production run.
  - 3. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.
- B. Volatile Organic Compound (VOC) Content:
  - 1. Provide paints and finishes that comply with the most stringent requirements specified in the following:
    - a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
  - 2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.
- C. Flammability: Comply with applicable code for surface burning characteristics.
- D. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Engineer from the manufacturer's full line.
- E. Colors: Match existing surface colors.

### 2.03 PAINT SYSTEMS - INTERIOR

- A. Paint I-OP - Interior Surfaces to be Painted, Unless Otherwise Indicated: Including gypsum board, concrete, concrete masonry units, brick, wood, plaster, uncoated steel, shop primed steel, galvanized steel, and aluminum.
  - 1. Two top coats and one coat primer.
  - 2. Primer: As recommended by top coat manufacturer for specific substrate.

## 2.04 ACCESSORY MATERIALS

- A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.
- B. Patching Material: Latex filler.
- C. Fastener Head Cover Material: Latex filler.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.
- C. Test shop-applied primer for compatibility with subsequent cover materials.

### 3.02 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.
- D. Seal surfaces that might cause bleed through or staining of topcoat.
- E. Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.
- F. Plaster: Fill hairline cracks, small holes, and imperfections with latex patching plaster. Make smooth and flush with adjacent surfaces. Wash and neutralize high alkali surfaces.
- G. Aluminum: Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
- H. Ferrous Metal:
  - 1. Solvent clean according to SSPC-SP 1.
  - 2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.
  - 3. Remove rust, loose mill scale, and other foreign substances using using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 "Commercial Blast Cleaning". Protect from corrosion until coated.
- I. Wood Surfaces to Receive Opaque Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats. Back prime concealed surfaces before installation.

### 3.03 APPLICATION

- A. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".
- B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- C. Apply each coat to uniform appearance in thicknesses specified by manufacturer.
- D. Sand wood and metal surfaces lightly between coats to achieve required finish.
- E. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
- F. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

**3.04 CLEANING**

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

**3.05 PROTECTION**

- A. Protect finishes until completion of project.
- B. Touch-up damaged finishes after Substantial Completion.

**END OF SECTION**

LINETYPE LEGEND		FIRE ALARM/LIFE SAFETY	
---	EXISTING TO REMAIN	[FACP]	FIRE ALARM CONTROL PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
---	DEMOLITION	[FAAN]	FIRE ALARM ANNUCIATOR PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
---	NEW WORK	[FAS]	FIRE ALARM STROBE UNIT
		[FAS]	FIRE ALARM HORN/STROBE UNIT
		[FAS]	FIRE ALARM SPEAKER/STROBE UNIT
		[F]	FIRE ALARM PULL STATION MOUNTED AT 48" AFF TO CENTER OF BOX.
		[H]	HEAT DETECTOR
		[S]	SMOKE DETECTOR
		[CO]	CARBON MONOXIDE DETECTOR
		[M]	MAGNETIC DOOR HOLDER
		[J]	FACP JUNCTION BOX
		[R]	REMOTE LED/TEST STATION FOR DUCT TYPE SMOKE DETECTOR
		[AMM]	ADDRESSABLE MONITOR MODULE
		[ACM]	ADDRESSABLE CONTROL MODULE
		[FS]	SPRINKLER FLOW SWITCH
		[TS]	SPRINKLER TAMPER SWITCH
		[PS]	SPRINKLER PRESSURE SWITCH
		[X]	EXISTING HATCHWAY
		---	EXISTING BEAM

**GENERAL NOTES:**  
 1. EXISTING FIRE ALARM SYSTEM TO BE REMOVED IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WIRING, CONDUIT, SUPPORT, DEVICES, AND CONTROLS. ALL DEVICES TO BE REMOVED MAY NOT BE SHOWN.  
 2. HAZARD MATERIAL MAY EXIST IN WALL OR CEILING. CONSULT PROJECT MANUAL FOR HAZMAT REPORT.  
 3. BOXES FOR SURFACE MOUNTED DEVICES SHALL BE SMOOTH FINISH. UNFINISHED OUTLET BOXES WITH KNOCKOUTS ARE NOT ALLOWED.

**GENERAL NOTES FOR FIRE ALARM/LIFE SAFETY EQUIPMENT**

WP = WEATHERPROOF BOX PER SPECIFICATIONS  
 STII = STOPPER II COVERS PER SPECIFICATIONS  
 xx" = MOUNTING HEIGHT (AFF INSIDE, AFG OUTSIDE)  
 DEFAULT MOUNTING HEIGHT SHOWN IN SCHEDULE  
 xx = SUBSCRIPT AS DEFINED BELOW

**SPEAKERS/HORNS MOUNTING**  
 ALL AUDIBLE DEVICES SHALL BE MULTI-TAP  
 db LEVEL SHALL BE HIGHEST TAP UNLESS OTHERWISE NOTED

W = WALL  
 C = CEILING  
 XXdb = db RATING

**STROBES OR COMBINATION WITH STROBE MOUNTING**  
 WALL MOUNTING 80" AFF TO CENTER OF STROBE  
 UNLESS OTHERWISE NOTED

W = WALL  
 C = CEILING

**STROBE MOUNTING AND INTENSITY RATING**  
 WALL MOUNTING 80" AFF TO CENTER OF STROBE  
 UNLESS OTHERWISE NOTED

W = WALL  
 C = CEILING  
 XXcd = CANDELA RATING

**HEAT DETECTORS**  
 TEMPERATURE RATING WILL BE 135° UNLESS OTHERWISE NOTED

XX' = FIXED TEMPERATURE  
 RR = RATE OF RISE  
 N = NON-ADDRESSABLE

**SMOKE DETECTORS**  
 PHOTOELECTRIC UNLESS OTHERWISE NOTED

DD = DUCT TYPE DETECTOR  
 I = IONIZATION  
 P = PHOTOELECTRIC  
 H = COMBINATION SMOKE/HEAT DETECTOR  
 CO = COMBINATION SMOKE/CARBON MONOXIDE DETECTOR

DUCT DETECTORS ARE PROVIDED BY ELECTRICAL CONTRACTOR, MOUNTED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR LOCATION.

FLOW, TAMPER AND PRESSURE SWITCHES PROVIDED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.

**WIRING METHODS**

ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B".  
 ALL FIRE ALARM WIRING SHALL BE INSTALLED IN METALLIC RACEWAY AS FOLLOWS:

CEILING	WALLS
ACCESSIBLE CEILING	FINISHED
INACCESSIBLE CEILING WITH INSTALLATION SPACE ABOVE	UNFINISHED
COMPLETELY INACCESSIBLE CEILING <sup>1</sup> FINISHED SPACE	
COMPLETELY INACCESSIBLE CEILING <sup>1</sup> UNFINISHED SPACE	

CONCEALED EMT WITH MAXIMUM 5'-0" FLEX CONNECTION

CONCEALED FLEX CONDUIT

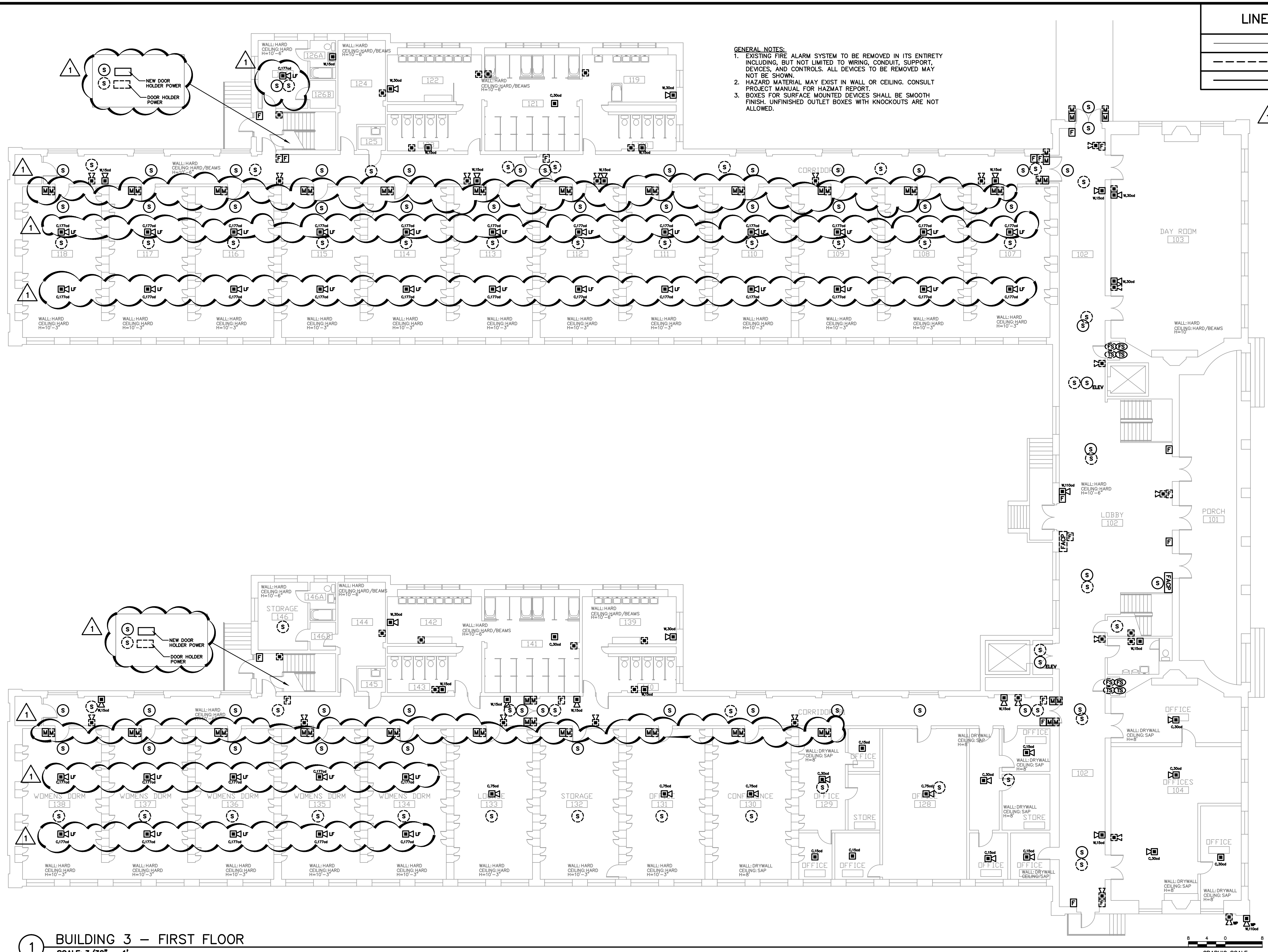
SURFACE RACEWAY PAINTED TO MATCH EXISTING WALLS

SURFACE EMT

SURFACE RACEWAY PAINTED TO MATCH EXISTING WALLS

SURFACE EMT

**NOTES:**  
 1. CONTRACTOR SHALL CONSULT WITH ENGINEER AND OWNER IF IT IS UNCLEAR AS TO WHETHER A ROOM SHALL BE CLASSIFIED AS A FINISHED OR UNFINISHED SPACE. THE ENGINEER AND OWNER WILL MAKE FINAL DECISION AS TO WIRING METHOD TO BE USED.  
 2. IN ALL CASES WHERE CORRIDOR, STORAGE ROOM, JANITOR CLOSET OR OTHER WALL RUNS FROM FLOOR TO UNDERSIDE OF ROOF, PROVIDE FIRESTOPPING AT ALL NEW PENETRATIONS IN ACCORDANCE WITH SECTION 078400 AND DETAILS.



**1 BUILDING 3 - FIRST FLOOR**  
 SCALE: 3/32" = 1'

drawing title			STATE OF CONNECTICUT	
BUILDING 3 - FIRST FLOOR			DEPARTMENT OF ADMINISTRATIVE SERVICES	
FIRE ALARM PLAN				
REVISIONS				
mark	date	description	drawing prepared by	date
Δ	9/27/17	ADDENDUM #6	FUSS AND ONEILL 146 HARTFORD ROAD MANCHESTER, CT 06040	7/18/2017
			project	scale
			VETERANS HOME CAMPUS FIRE ALARM & COMMISSARY SPRINKLER PROJECT ROCKY HILL, CONNECTICUT	AS NOTED
			approved by	drawn by
			JMC/ALP	FCD/PMC
			drawing no.	
			FA103.1	
CAD no.		project no.	FAI NO.	
20091160.A30	CT BI-C-285	FAI NO. 09-016		

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LINETYPE LEGEND	
	EXISTING TO REMAIN
	DEMOLITION
	NEW WORK

FIRE ALARM/LIFE SAFETY	
	FIRE ALARM CONTROL PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
	FIRE ALARM ANNUNCIATOR PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
	FIRE ALARM STROBE UNIT
	FIRE ALARM HORN/STROBE UNIT
	FIRE ALARM SPEAKER/STROBE UNIT
	FIRE ALARM PULL STATION MOUNTED AT 48" AFF TO CENTER OF BOX.
	HEAT DETECTOR
	SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	MAGNETIC DOOR HOLDER
	FACP JUNCTION BOX
	REMOTE LED/TEST STATION FOR DUCT TYPE SMOKE DETECTOR
	ADDRESSABLE MONITOR MODULE
	ADDRESSABLE CONTROL MODULE
	SPRINKLER FLOW SWITCH
	SPRINKLER TAMPER SWITCH
	SPRINKLER PRESSURE SWITCH
	EXISTING HATCHWAY
	EXISTING BEAM

**GENERAL NOTES:**  
 1. EXISTING FIRE ALARM SYSTEM TO BE REMOVED IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WIRING, CONDUIT, SUPPORT DEVICES, AND CONTROLS. ALL DEVICES TO BE REMOVED MAY NOT BE SHOWN.  
 2. HAZARD MATERIAL MAY EXIST IN WALL OR CEILING. CONSULT PROJECT MANUAL FOR HAZMAT REPORT.  
 3. BOXES FOR SURFACE MOUNTED DEVICES SHALL BE SMOOTH FINISH. UNFINISHED OUTLET BOXES WITH KNOCKOUTS ARE NOT ALLOWED.

**GENERAL NOTES FOR FIRE ALARM/LIFE SAFETY EQUIPMENT**

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 DEFAULT MOUNTING HEIGHT SHOWN IN SCHEDULE  
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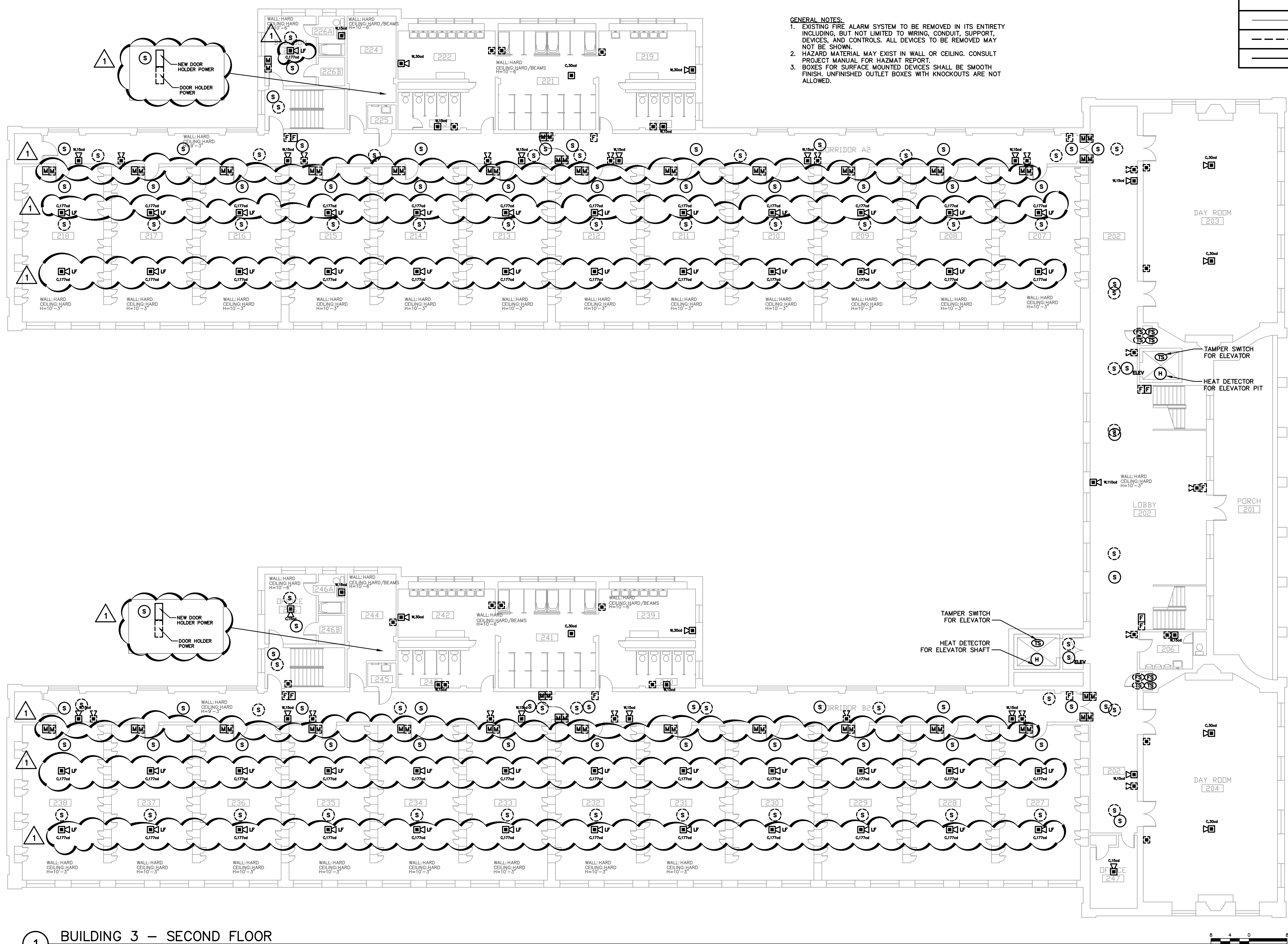
**WIRING METHODS**

ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B".  
 ALL FIRE ALARM WIRING SHALL BE INSTALLED IN METALLIC RACEWAY AS FOLLOWS:

CEILINGS	
ACCESSIBLE CEILING	CONCEALED EMT WITH MAXIMUM 5'-0" FLEX CONNECTION
INACCESSIBLE CEILING WITH INSTALLATION SPACE ABOVE	CONCEALED FLEX CONDUIT
COMPLETELY INACCESSIBLE CEILING <sup>a</sup> FINISHED SPACE	SURFACE RACEWAY PAINTED TO MATCH EXISTING CEILING
COMPLETELY INACCESSIBLE CEILING <sup>a</sup> UNFINISHED SPACE	SURFACE EMT
WALLS	
FINISHED	SURFACE RACEWAY PAINTED TO MATCH EXISTING WALLS
UNFINISHED	SURFACE EMT

a. EXAMPLES OF COMPLETELY INACCESSIBLE CEILINGS ARE GYPSUM BOARD, PLASTER OR CANE FIBER ATTACHED DIRECTLY TO CONCRETE DECK.

**NOTES:**  
 1. CONTRACTOR SHALL CONSULT WITH ENGINEER AND OWNER IF IT IS UNCLEAR AS TO WHETHER A ROOM SHALL BE CLASSIFIED AS A FINISHED OR UNFINISHED SPACE. THE ENGINEER AND OWNER WILL MAKE FINAL DECISION AS TO WIRING METHOD TO BE USED.  
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**1 BUILDING 3 - SECOND FLOOR**  
 SCALE: 3/32" = 1'

REVISIONS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
mark	date	description	drawing prepared by	date	
Δ	9/27/17	ADDENDUM #6	FUSS AND ONEILL 146 HARTFORD ROAD MANCHESTER, CT 06040	7/18/2017	
			project	scale	
			VETERANS HOME CAMPUS FIRE ALARM & COMMISSARY SPRINKLER PROJECT ROCKY HILL, CONNECTICUT	AS NOTED	
			approved by	drawn by	
			JMC/ALP	FC/DVMC	
			drawing no.		
			FA103.2		
CAD no. 20091160.A30		project no. CT BI-C-285	FAI NO. 09-016		

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**GENERAL NOTES:**  
 1. EXISTING FIRE ALARM SYSTEM TO BE REMOVED IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WIRING, CONDUIT, SUPPORT, DEVICES, AND CONTROLS. ALL DEVICES TO BE REMOVED MAY NOT BE SHOWN.  
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 3. BOXES FOR SURFACE MOUNTED DEVICES SHALL BE SMOOTH FINISH. UNFINISHED OUTLET BOXES WITH KNOCKOUTS ARE NOT ALLOWED.

LINETYPE LEGEND	
	EXISTING TO REMAIN
	DEMOLITION
	NEW WORK

FIRE ALARM/LIFE SAFETY	
	FIRE ALARM CONTROL PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
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	FIRE ALARM STROBE UNIT
	FIRE ALARM HORN/STROBE UNIT
	FIRE ALARM SPEAKER/STROBE UNIT
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	HEAT DETECTOR
	SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	MAGNETIC DOOR HOLDER
	FACP JUNCTION BOX
	REMOTE LED/TEST STATION FOR DUCT TYPE SMOKE DETECTOR
	ADDRESSABLE MONITOR MODULE
	ADDRESSABLE CONTROL MODULE
	SPRINKLER FLOW SWITCH
	SPRINKLER TAMPER SWITCH
	SPRINKLER PRESSURE SWITCH
	EXISTING HATCHWAY
	EXISTING BEAM

**GENERAL NOTES FOR FIRE ALARM/LIFE SAFETY EQUIPMENT**

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 I = IONIZATION  
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DUCT DETECTORS ARE PROVIDED BY ELECTRICAL CONTRACTOR, MOUNTED BY MECHANICAL CONTRACTOR, WREED BY ELECTRICAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR LOCATION.

FLOW, TAMPER AND PRESSURE SWITCHES PROVIDED BY OTHERS, WREED BY ELECTRICAL CONTRACTOR.

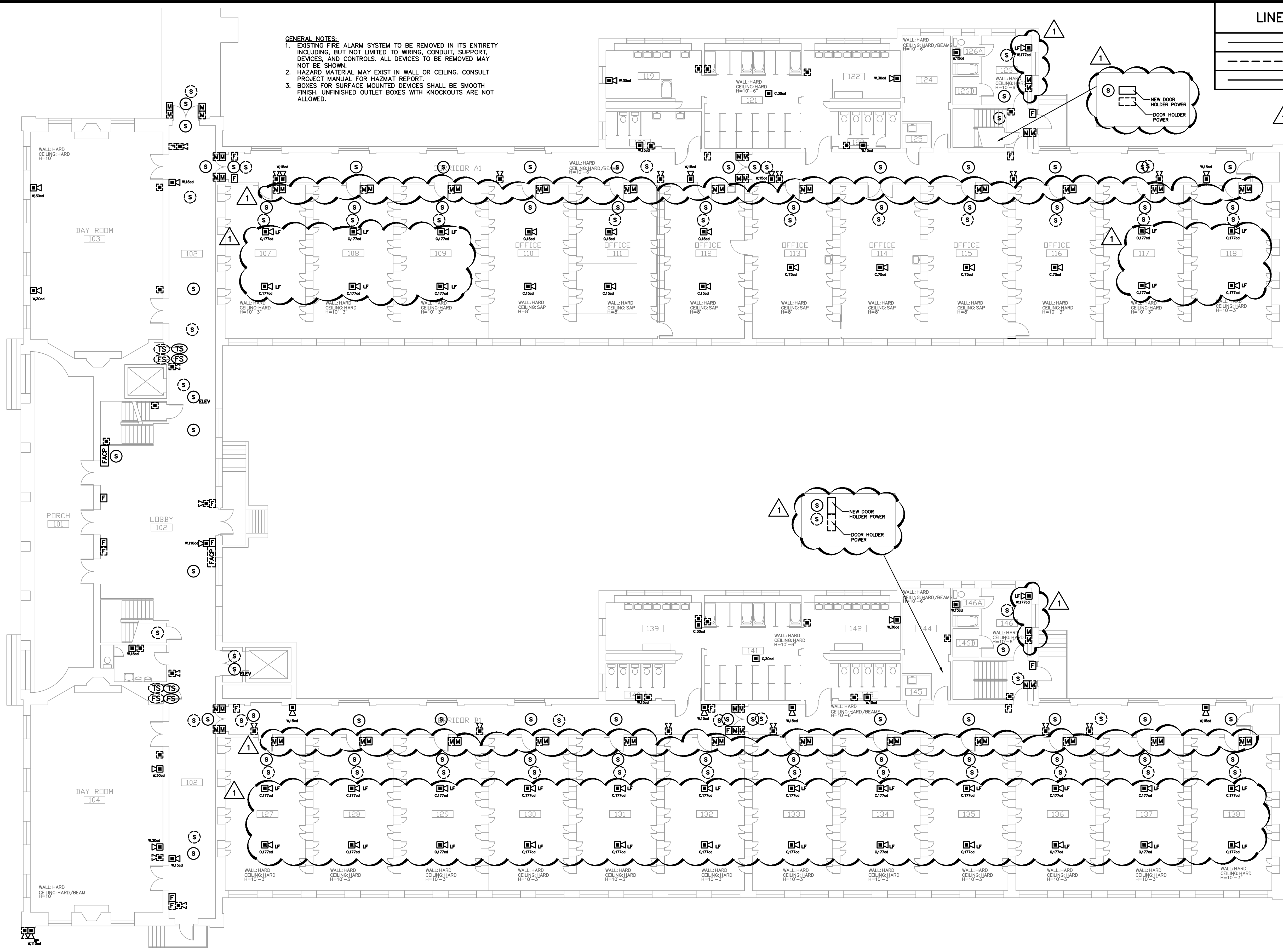
**WIRING METHODS**

ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B".  
 ALL FIRE ALARM WIRING SHALL BE INSTALLED IN METALLIC RACEWAY AS FOLLOWS:

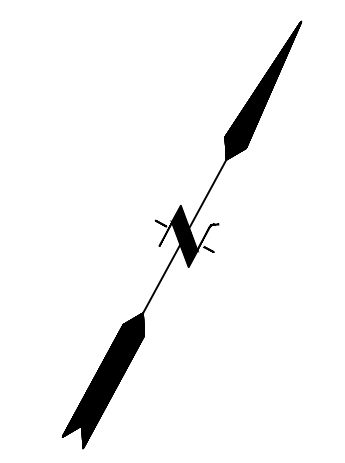
CEILING	
ACCESSIBLE CEILING	CONCEALED EMT WITH MAXIMUM 5'-0" FLEX CONNECTION
INACCESSIBLE CEILING WITH INSTALLATION SPACE ABOVE	CONCEALED FLEX CONDUIT
COMPLETELY INACCESSIBLE CEILING <sup>1</sup> FINISHED SPACE	SURFACE RACEWAY PAINTED TO MATCH EXISTING SPACE
COMPLETELY INACCESSIBLE CEILING <sup>2</sup> UNFINISHED SPACE	SURFACE EMT
WALLS	
FINISHED	SURFACE RACEWAY PAINTED TO MATCH EXISTING WALLS
UNFINISHED	SURFACE EMT

a. EXAMPLES OF COMPLETELY INACCESSIBLE CEILING ARE GYPSUM BOARD, PLASTER OR CANE FIBER ATTACHED DIRECTLY TO CONCRETE DECK.

**NOTES:**  
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**1 BUILDING 4 - FIRST FLOOR**  
 SCALE: 3/32" = 1'



BUILDING 4 - FIRST FLOOR FIRE ALARM PLAN			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			drawing prepared by	
mark	date	description	FUSS AND ONEILL	
Δ	9/27/17	ADDENDUM #6	146 HARTFORD ROAD MANCHESTER, CT 06040	
			date: 7/18/2017	
			scale: AS NOTED	
			drawing by: FCI/DV/MC	
			approved by: JMC/ALP	
			drawing no.: FA104.1	
CAD no.: 20091160.A30		project no.: CT BI-C-285		FAI NO. 09-016

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GENERAL NOTES:  
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LINETYPE LEGEND	
	EXISTING TO REMAIN
	DEMOLITION
	NEW WORK

FIRE ALARM/LIFE SAFETY	
	FIRE ALARM CONTROL PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
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	FIRE ALARM HORN/STROBE UNIT
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	HEAT DETECTOR
	SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	MAGNETIC DOOR HOLDER
	FACP JUNCTION BOX
	REMOTE LED/TEST STATION FOR DUCT TYPE SMOKE DETECTOR
	ADDRESSABLE MONITOR MODULE
	ADDRESSABLE CONTROL MODULE
	SPRINKLER FLOW SWITCH
	SPRINKLER TAMPER SWITCH
	SPRINKLER PRESSURE SWITCH
	EXISTING HATCHWAY
	EXISTING BEAM

GENERAL NOTES FOR FIRE ALARM/LIFE SAFETY EQUIPMENT

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SMOKE DETECTORS  
 PHOTOELECTRIC UNLESS OTHERWISE NOTED  
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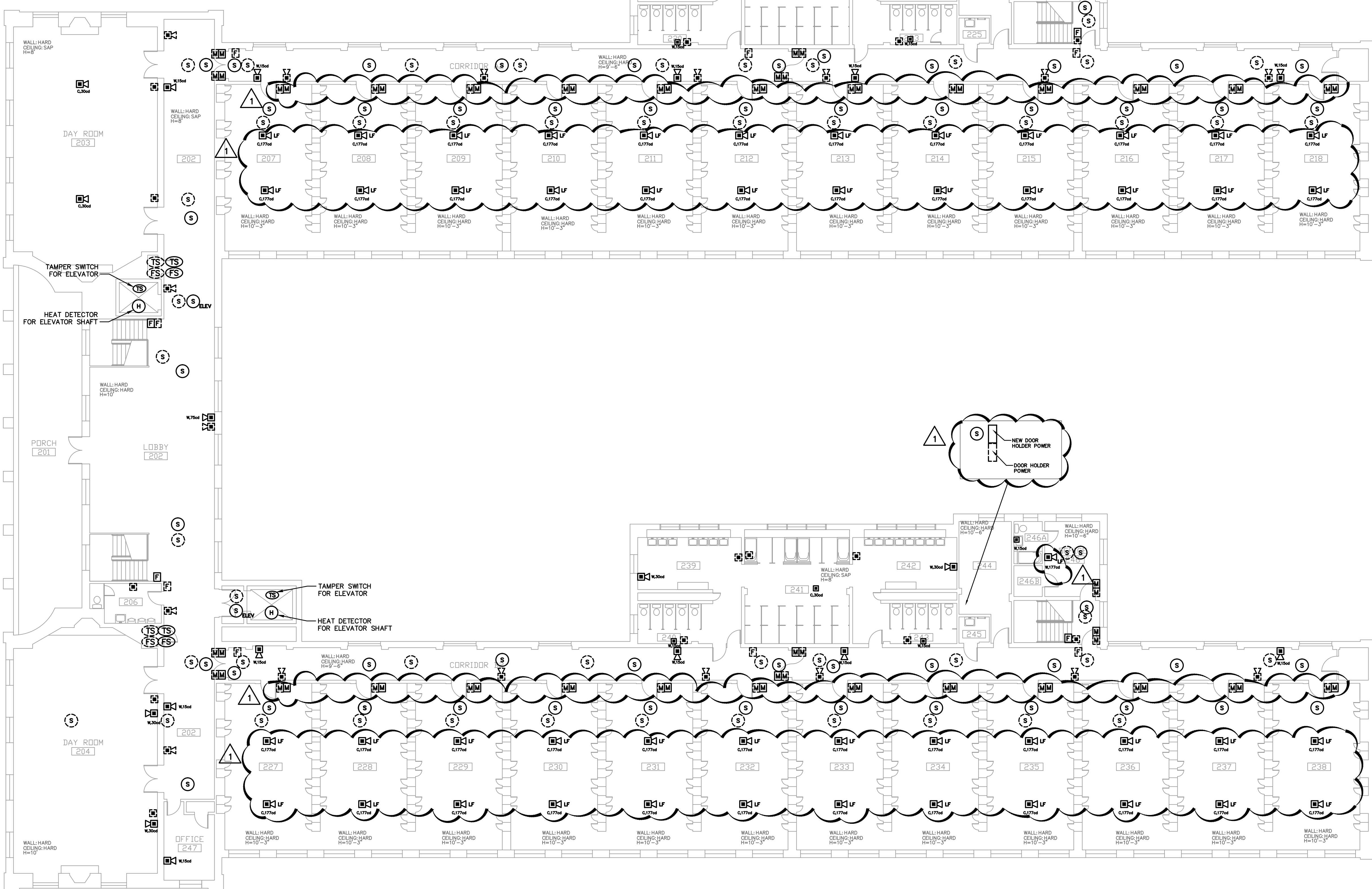
**WIRING METHODS**

ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B".  
 ALL FIRE ALARM WIRING SHALL BE INSTALLED IN METALLIC RACEWAY AS FOLLOWS:

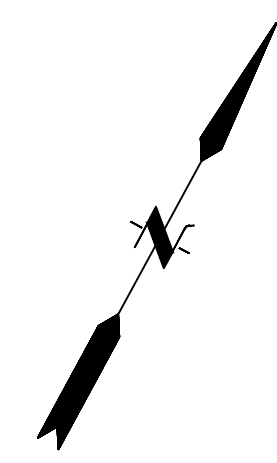
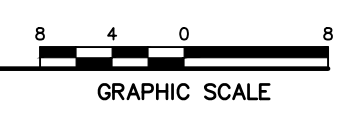
CEILING	
ACCESSIBLE CEILING	CONCEALED EMT WITH MAXIMUM 5'-0" FLEX CONNECTION
INACCESSIBLE CEILING WITH INSTALLATION SPACE ABOVE	CONCEALED FLEX CONDUIT
COMPLETELY INACCESSIBLE CEILING <sup>o</sup> FINISHED SPACE	SURFACE RACEWAY PAINTED TO MATCH EXISTING CEILING
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WALLS	
FINISHED	SURFACE RACEWAY PAINTED TO MATCH EXISTING WALLS
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**1 BUILDING 4 - SECOND FLOOR**  
 SCALE: 3/32" = 1'



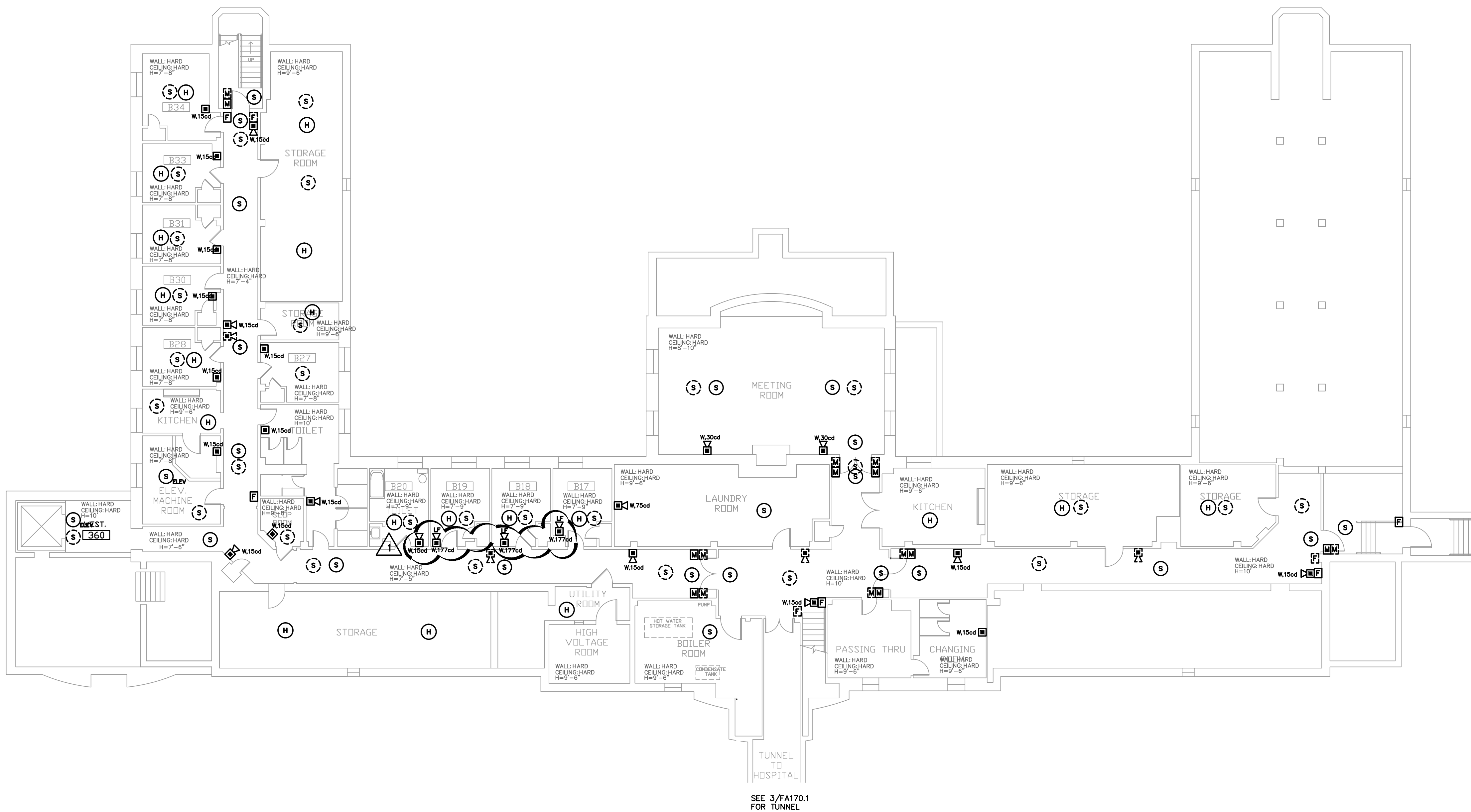
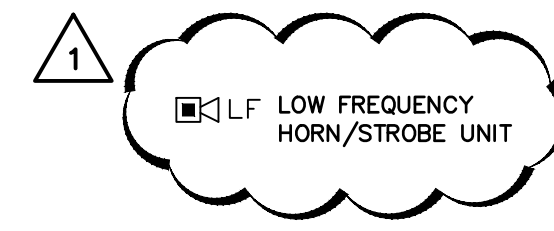
drawing title <b>BUILDING 4 - SECOND FLOOR FIRE ALARM PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			
mark	date	description	
Δ	9/27/17	ADDENDUM #6	
drawing prepared by <b>FUSS AND ONEILL</b> 146 HARTFORD ROAD MANCHESTER, CT 06040		date 7/18/2017	scale AS NOTED
project <b>VETERANS HOME CAMPUS FIRE ALARM &amp; COMMISSARY SPRINKLER PROJECT</b> ROCKY HILL, CONNECTICUT		drawn by FC/DV/MC	approved by JM/CALP
CAD no. 20091160.A30	project no. CT BI-C-285	FAI NO. 09-016	<b>FA104.2</b>



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LINETYPE LEGEND		FIRE ALARM/LIFE SAFETY	
---	EXISTING TO REMAIN	[FACP]	FIRE ALARM CONTROL PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
---	DEMOLITION	[FAAN]	FIRE ALARM ANNUNCIATOR PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
---	NEW WORK	[H]	FIRE ALARM STROBE UNIT
		[Hx]	FIRE ALARM HORN/STROBE UNIT
		[S]	FIRE ALARM SPEAKER/STROBE UNIT
		[F]	FIRE ALARM PULL STATION MOUNTED AT 48" AFF TO CENTER OF BOX.
		[H <sub>xx</sub> ]	HEAT DETECTOR
		[S <sub>xx</sub> ]	SMOKE DETECTOR
		[CO]	CARBON MONOXIDE DETECTOR
		[M]	MAGNETIC DOOR HOLDER
		[J]	FACP JUNCTION BOX
		[R]	REMOTE LED/TEST STATION FOR DUCT TYPE SMOKE DETECTOR
		[AMM]	ADDRESSABLE MONITOR MODULE
		[ACM]	ADDRESSABLE CONTROL MODULE
		[FS]	SPRINKLER FLOW SWITCH
		[TS]	SPRINKLER TAMPER SWITCH
		[PS]	SPRINKLER PRESSURE SWITCH
		[X]	EXISTING HATCHWAY
		---	EXISTING BEAM



**GENERAL NOTES FOR FIRE ALARM/LIFE SAFETY EQUIPMENT**

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 DEFAULT MOUNTING HEIGHT SHOWN IN SCHEDULE  
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 XXdb = db RATING

**STROBES OR COMBINATION WITH STROBE MOUNTING**  
 WALL MOUNTING 80" AFF TO CENTER OF STROBE  
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W = WALL  
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**STROBE MOUNTING AND INTENSITY RATING**  
 WALL MOUNTING 80" AFF TO CENTER OF STROBE  
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 XXcd = CANDELA RATING

**HEAT DETECTORS**  
 TEMPERATURE RATING WILL BE 135° UNLESS OTHERWISE NOTED  
 XX" = FIXED TEMPERATURE  
 RR = RATE OF RISE  
 N = NON-ADDRESSABLE

**SMOKE DETECTORS**  
 PHOTOELECTRIC UNLESS OTHERWISE NOTED  
 DD = DUCT TYPE DETECTOR  
 I = IONIZATION  
 P = PHOTOELECTRIC  
 H = COMBINATION SMOKE/HEAT DETECTOR  
 CO = COMBINATION SMOKE/CARBON MONOXIDE DETECTOR

DUCT DETECTORS ARE PROVIDED BY ELECTRICAL CONTRACTOR,  
 MOUNTED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR LOCATION.

FLOW, TAMPER AND PRESSURE SWITCHES PROVIDED BY OTHERS,  
 WIRED BY ELECTRICAL CONTRACTOR.

**WIRING METHODS**

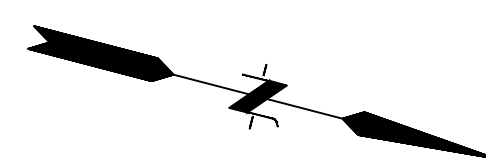
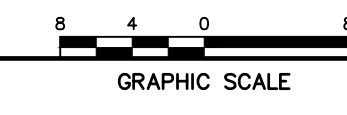
ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B".  
 ALL FIRE ALARM WIRING SHALL BE INSTALLED IN METALLIC RACEWAY AS FOLLOWS:

CEILINGS	WALLS
ACCESSIBLE CEILING	FINISHED
INACCESSIBLE CEILING WITH INSTALLATION SPACE ABOVE	UNFINISHED
COMPLETELY INACCESSIBLE CEILING <sup>9</sup> FINISHED SPACE	
COMPLETELY INACCESSIBLE CEILING <sup>9</sup> UNFINISHED SPACE	

a. EXAMPLES OF COMPLETELY INACCESSIBLE CEILINGS ARE GYPSUM BOARD, PLASTER OR CANE FIBER ATTACHED DIRECTLY TO CONCRETE DECK.

**NOTES:**  
 1. CONTRACTOR SHALL CONSULT WITH ENGINEER AND OWNER IF IT IS UNCLEAR AS TO WHETHER A ROOM SHALL BE CLASSIFIED AS A FINISHED OR UNFINISHED SPACE. THE ENGINEER AND OWNER WILL MAKE FINAL DECISION AS TO WIRING METHOD TO BE USED.  
 2. IN ALL CASES WHERE CORRIDOR, STORAGE ROOM, JANITOR CLOSET OR OTHER WALL RUNS FROM FLOOR TO UNDERSIDE OF ROOF, PROVIDE FIRESTOPPING AT ALL NEW PENETRATIONS IN ACCORDANCE WITH SECTION 078400 AND DETAILS.

**1 BUILDING 50 - BASEMENT (SUPPLEMENTAL BID #1)**  
 SCALE: 3/32" = 1'



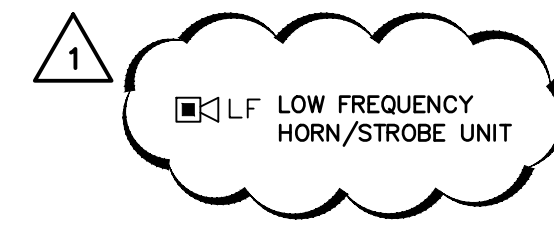
drawing title <b>BUILDING 50 - BASEMENT FIRE ALARM PLAN</b>		<b>STATE OF CONNECTICUT</b> DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by <b>FUSS AND ONEILL</b> 146 HARTFORD ROAD MANCHESTER, CT 06040	
mark	date	description	date
Δ	9/27/17	ADDENDUM #6	7/18/2017
project <b>VETERANS HOME CAMPUS FIRE ALARM &amp; COMMISSARY SPRINKLER PROJECT</b> ROCKY HILL, CONNECTICUT		scale AS NOTED	drawn by FC/DV/MC
CAD no. 20091160.A30	project no. CT BI-C-285	FAI NO. 09-016	approved by JMC/ALP
			drawing no. <b>FA150.0</b>

**LINETYPE LEGEND**

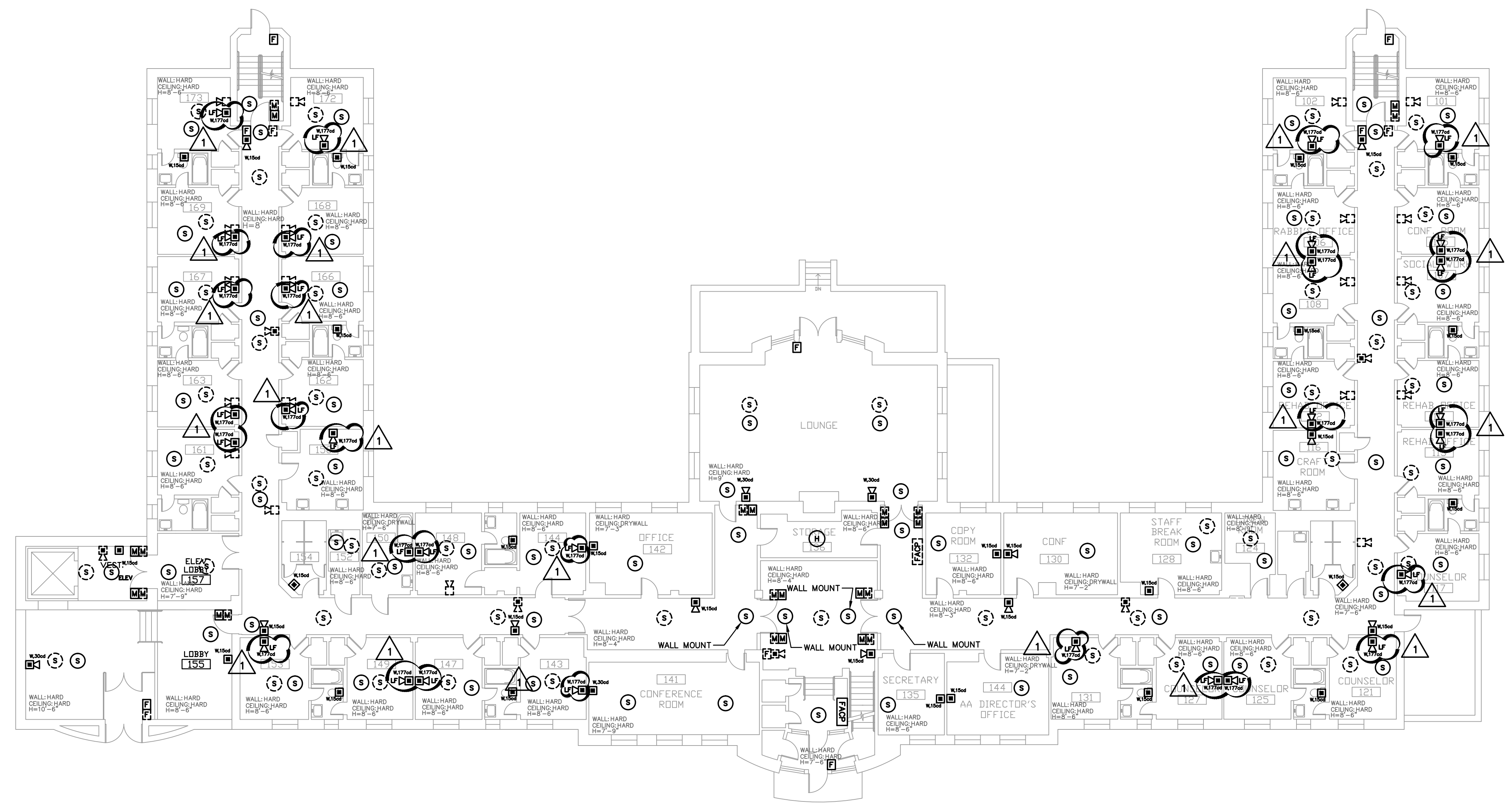
---	EXISTING TO REMAIN
---	DEMOLITION
---	NEW WORK

**FIRE ALARM/LIFE SAFETY**

[FACP]	FIRE ALARM CONTROL PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
[FAAN]	FIRE ALARM ANUNCIATOR PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
[S]	FIRE ALARM STROBE UNIT
[H/S]	FIRE ALARM HORN/STROBE UNIT
[S]	FIRE ALARM SPEAKER/STROBE UNIT
[F]	FIRE ALARM PULL STATION MOUNTED AT 48" AFF TO CENTER OF BOX.
[H]	HEAT DETECTOR
[S]	SMOKE DETECTOR
[CO]	CARBON MONOXIDE DETECTOR
[M]	MAGNETIC DOOR HOLDER
[J]	FACP JUNCTION BOX
[R]	REMOTE LED/TEST STATION FOR DUCT TYPE SMOKE DETECTOR
[AMM]	ADDRESSABLE MONITOR MODULE
[ACM]	ADDRESSABLE CONTROL MODULE
[FS]	SPRINKLER FLOW SWITCH
[TS]	SPRINKLER TAMPER SWITCH
[PS]	SPRINKLER PRESSURE SWITCH
[X]	EXISTING HATCHWAY
---	EXISTING BEAM



- GENERAL NOTES:**
- EXISTING FIRE ALARM SYSTEM TO BE REMOVED IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WIRING, CONDUIT, SUPPORT, DEVICES, AND CONTROLS. ALL DEVICES TO BE REMOVED MAY NOT BE SHOWN.
  - HAZARD MATERIAL MAY EXIST IN WALL OR CEILING. CONSULT PROJECT MANUAL FOR HAZMAT REPORT.
  - BOXES FOR SURFACE MOUNTED DEVICES SHALL BE SMOOTH FINISH. UNFINISHED OUTLET BOXES WITH KNOCKOUTS ARE NOT ALLOWED.



**1 BUILDING 50 - FIRST FLOOR (SUPPLEMENTAL BID #1)**  
SCALE: 3/32" = 1'



**GENERAL NOTES FOR FIRE ALARM/LIFE SAFETY EQUIPMENT**

- WP = WEATHERPROOF BOX PER SPECIFICATIONS  
 STH = STOPPER II COVERS PER SPECIFICATIONS  
 xx" = MOUNTING HEIGHT (AFF INSIDE, AFG OUTSIDE)  
 DEFAULT MOUNTING HEIGHT SHOWN IN SCHEDULE  
 xx = SUBSCRIPT AS DEFINED BELOW
- SPEAKERS/HORNS MOUNTING**  
 ALL AUDIBLE DEVICES SHALL BE MULTI-TAP  
 db LEVEL SHALL BE HIGHEST TAP UNLESS OTHERWISE NOTED  
 W = WALL  
 C = CEILING  
 XXdb = db RATING
- STROBES OR COMBINATION WITH STROBE MOUNTING**  
 WALL MOUNTING 80" AFF TO CENTER OF STROBE UNLESS OTHERWISE NOTED  
 W = WALL  
 C = CEILING
- STROBE MOUNTING AND INTENSITY RATING**  
 WALL MOUNTING 80" AFF TO CENTER OF STROBE UNLESS OTHERWISE NOTED  
 W = WALL  
 C = CEILING  
 XXcd = CANDELA RATING
- HEAT DETECTORS**  
 TEMPERATURE RATING WILL BE 135° UNLESS OTHERWISE NOTED  
 XX = FIXED TEMPERATURE  
 RR = RATE OF RISE  
 N = NON-ADDRESSABLE
- SMOKE DETECTORS**  
 PHOTOELECTRIC UNLESS OTHERWISE NOTED  
 DD = DUCT TYPE DETECTOR  
 I = IONIZATION  
 P = PHOTOELECTRIC  
 H = COMBINATION SMOKE/HEAT DETECTOR  
 CO = COMBINATION SMOKE/CARBON MONOXIDE DETECTOR
- DUCT DETECTORS ARE PROVIDED BY ELECTRICAL CONTRACTOR, MOUNTED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR LOCATION.
- FLOW, TAMPER AND PRESSURE SWITCHES PROVIDED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.

**WIRING METHODS**

ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B".  
 ALL FIRE ALARM WIRING SHALL BE INSTALLED IN METALLIC RACEWAY AS FOLLOWS:

<b>CEILINGS</b>	
ACCESSIBLE CEILING	CONCEALED EMT WITH MAXIMUM 5'-0" FLEX CONNECTION
INACCESSIBLE CEILING WITH INSTALLATION SPACE ABOVE	CONCEALED FLEX CONDUIT
COMPLETELY INACCESSIBLE CEILING <sup>9</sup> FINISHED SPACE	SURFACE RACEWAY PAINTED TO MATCH EXISTING CEILING
COMPLETELY INACCESSIBLE CEILING <sup>9</sup> UNFINISHED SPACE	SURFACE EMT
<b>WALLS</b>	
FINISHED	SURFACE RACEWAY PAINTED TO MATCH EXISTING WALLS
UNFINISHED	SURFACE EMT

a. EXAMPLES OF COMPLETELY INACCESSIBLE CEILINGS ARE GYPSUM BOARD, PLASTER OR CANE FIBER ATTACHED DIRECTLY TO CONCRETE DECK.

- NOTES:**
- CONTRACTOR SHALL CONSULT WITH ENGINEER AND OWNER IF IT IS UNCLEAR AS TO WHETHER A ROOM SHALL BE CLASSIFIED AS A FINISHED OR UNFINISHED SPACE. THE ENGINEER AND OWNER WILL MAKE FINAL DECISION AS TO WIRING METHOD TO BE USED.
  - IN ALL CASES WHERE CORRIDOR, STORAGE ROOM, JANITOR CLOSET OR OTHER WALL RUNS FROM FLOOR TO UNDERSIDE OF ROOF, PROVIDE FIRESTOPPING AT ALL NEW PENETRATIONS IN ACCORDANCE WITH SECTION 078400 AND DETAILS.

drawing title: <b>BUILDING 50 - FIRST FLOOR FIRE ALARM PLAN</b>		<b>STATE OF CONNECTICUT</b> DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			
mark	date	description	drawing prepared by
Δ	9/27/17	ADDENDUM #6	<b>FUSS AND ONEILL</b> 146 HARTFORD ROAD MANCHESTER, CT 06040
date:		date:	
7/18/2017		7/18/2017	
scale:		scale:	
AS NOTED		AS NOTED	
project:		project:	
VETERANS HOME CAMPUS FIRE ALARM & COMMISSARY SPRINKLER PROJECT ROCKY HILL, CONNECTICUT		down by: FC/DVMC	
approved by: JMC/ALP		approved by: JMC/ALP	
drawing no.:		drawing no.:	
FA150.1		FA150.1	
CAD no.:	project no.:	FAI NO.:	
20091160.A30	CT BI-C-285	09-016	

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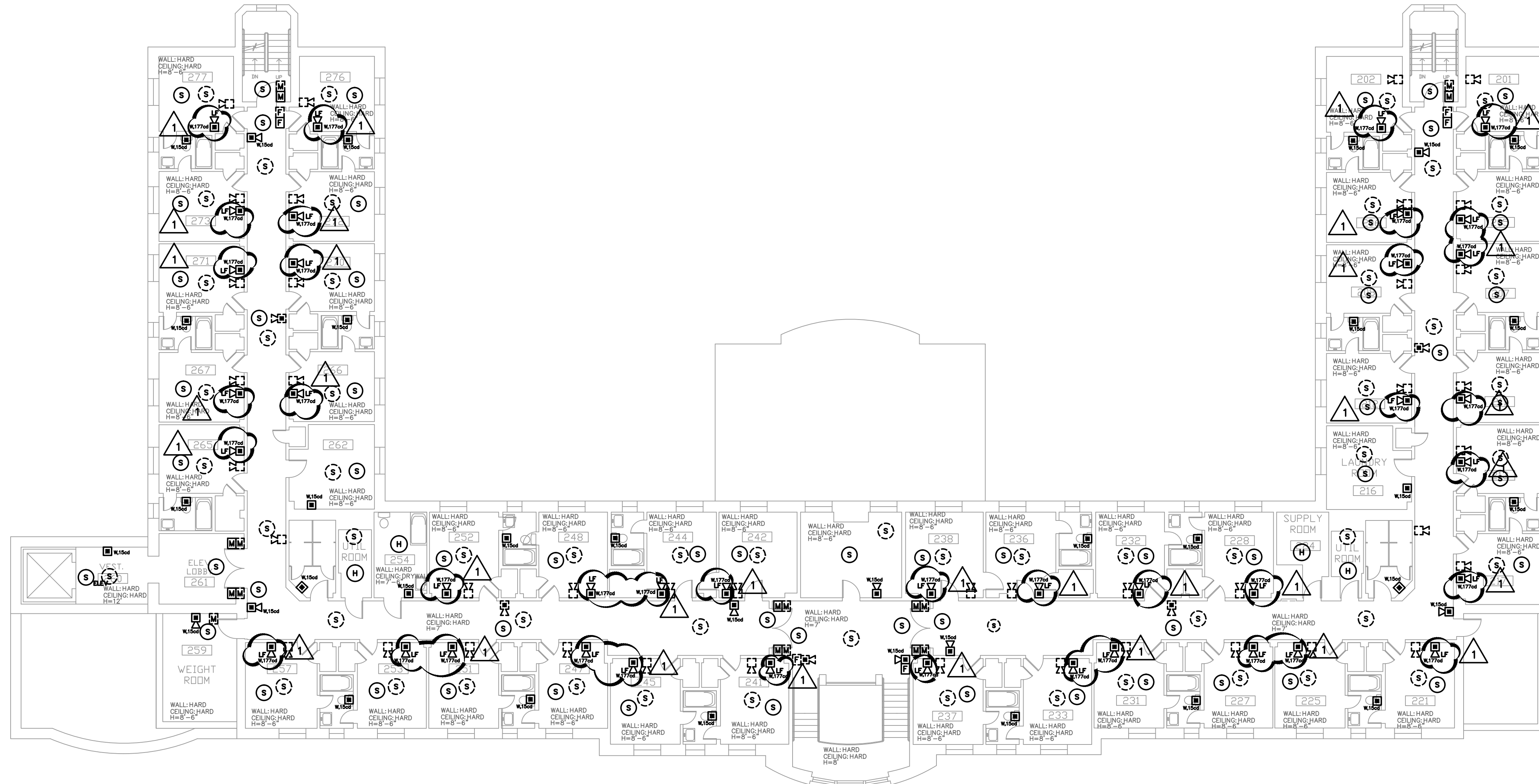
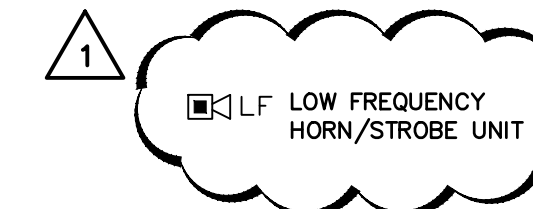
- GENERAL NOTES:**
- EXISTING FIRE ALARM SYSTEM TO BE REMOVED IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WIRING, CONDUIT, SUPPORT, DEVICES, AND CONTROLS. ALL DEVICES TO BE REMOVED MAY NOT BE SHOWN.
  - HAZARD MATERIAL MAY EXIST IN WALL OR CEILING. CONSULT PROJECT MANUAL FOR HAZMAT REPORT.
  - BOXES FOR SURFACE MOUNTED DEVICES SHALL BE SMOOTH FINISH. UNFINISHED OUTLET BOXES WITH KNOCKOUTS ARE NOT ALLOWED.

**LINETYPE LEGEND**

---	EXISTING TO REMAIN
---	DEMOLITION
---	NEW WORK

**FIRE ALARM/LIFE SAFETY**

[FACP]	FIRE ALARM CONTROL PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
[FAAN]	FIRE ALARM ANNUCIATOR PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
[S]	FIRE ALARM STROBE UNIT
[S]	FIRE ALARM HORN/STROBE UNIT
[S]	FIRE ALARM SPEAKER/STROBE UNIT
[F]	FIRE ALARM PULL STATION MOUNTED AT 48" AFF TO CENTER OF BOX.
[H]	HEAT DETECTOR
[S]	SMOKE DETECTOR
[CO]	CARBON MONOXIDE DETECTOR
[M]	MAGNETIC DOOR HOLDER
[J]	FACP JUNCTION BOX
[R]	REMOTE LED/TEST STATION FOR DUCT TYPE SMOKE DETECTOR
[AMM]	ADDRESSABLE MONITOR MODULE
[ACM]	ADDRESSABLE CONTROL MODULE
[FS]	SPRINKLER FLOW SWITCH
[TS]	SPRINKLER TAMPER SWITCH
[PS]	SPRINKLER PRESSURE SWITCH
[X]	EXISTING HATCHWAY
---	EXISTING BEAM



**GENERAL NOTES FOR FIRE ALARM/LIFE SAFETY EQUIPMENT**

- WP = WEATHERPROOF BOX PER SPECIFICATIONS
  - STH = STOPPER II COVERS PER SPECIFICATIONS
  - xx" = MOUNTING HEIGHT (AFF INSIDE, AFG OUTSIDE)
  - DEFAULT MOUNTING HEIGHT SHOWN IN SCHEDULE
  - xx = SUBSCRIPT AS DEFINED BELOW
- SPEAKERS/HORNS MOUNTING**  
ALL AUDIBLE DEVICES SHALL BE MULTI-TAP  
db LEVEL SHALL BE HIGHEST TAP UNLESS OTHERWISE NOTED
- W = WALL  
C = CEILING  
XXdb = db RATING
- STROBES OR COMBINATION WITH STROBE MOUNTING**  
WALL MOUNTING 80" AFF TO CENTER OF STROBE UNLESS OTHERWISE NOTED
- W = WALL  
C = CEILING  
XXcd = CANDELA RATING
- STROBE MOUNTING AND INTENSITY RATING**  
WALL MOUNTING 80" AFF TO CENTER OF STROBE UNLESS OTHERWISE NOTED
- W = WALL  
C = CEILING  
XXcd = CANDELA RATING
- HEAT DETECTORS**  
TEMPERATURE RATING WILL BE 135° UNLESS OTHERWISE NOTED
- XX" = FIXED TEMPERATURE  
RR = RATE OF RISE  
N = NON-ADDRESSABLE
- SMOKE DETECTORS**  
PHOTOELECTRIC UNLESS OTHERWISE NOTED
- DD = DUCT TYPE DETECTOR  
I = IONIZATION  
P = PHOTOELECTRIC  
H = COMBINATION SMOKE/HEAT DETECTOR  
CO = COMBINATION SMOKE/CARBON MONOXIDE DETECTOR
- DUCT DETECTORS ARE PROVIDED BY ELECTRICAL CONTRACTOR, MOUNTED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR LOCATION.
- FLOW, TAMPER AND PRESSURE SWITCHES PROVIDED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.

**WIRING METHODS**

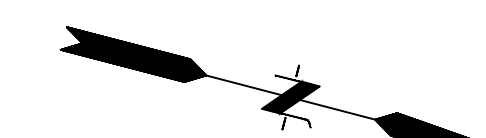
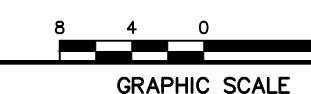
ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B".  
ALL FIRE ALARM WIRING SHALL BE INSTALLED IN METALLIC RACEWAY AS FOLLOWS:

<b>CEILING</b>	
ACCESSIBLE CEILING	CONCEALED EMT WITH MAXIMUM 5'-0" FLEX CONNECTION
INACCESSIBLE CEILING WITH INSTALLATION SPACE ABOVE	CONCEALED FLEX CONDUIT
COMPLETELY INACCESSIBLE CEILING <sup>a</sup> FINISHED SPACE	SURFACE RACEWAY PAINTED TO MATCH EXISTING CEILING
COMPLETELY INACCESSIBLE CEILING <sup>a</sup> UNFINISHED SPACE	SURFACE EMT
<b>WALLS</b>	
FINISHED	SURFACE RACEWAY PAINTED TO MATCH EXISTING WALLS
UNFINISHED	SURFACE EMT

a. EXAMPLES OF COMPLETELY INACCESSIBLE CEILING ARE GYPSUM BOARD, PLASTER OR CANE FIBER ATTACHED DIRECTLY TO CONCRETE DECK.

- NOTES:**
- CONTRACTOR SHALL CONSULT WITH ENGINEER AND OWNER IF IT IS UNCLEAR AS TO WHETHER A ROOM SHALL BE CLASSIFIED AS A FINISHED OR UNFINISHED SPACE. THE ENGINEER AND OWNER WILL MAKE FINAL DECISION AS TO WIRING METHOD TO BE USED.
  - IN ALL CASES WHERE CORRIDOR, STORAGE ROOM, JANITOR CLOSET OR OTHER WALL RUNS FROM FLOOR TO UNDERSIDE OF ROOF, PROVIDE FIRESTOPPING AT ALL NEW PENETRATIONS IN ACCORDANCE WITH SECTION 078400 AND DETAILS.

**1 BUILDING 50 - SECOND FLOOR (SUPPLEMENTAL BID #1)**  
SCALE: 3/32" = 1'



drawing title <b>BUILDING 50 - SECOND FLOOR FIRE ALARM PLAN</b>		<b>STATE OF CONNECTICUT</b> DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by <b>FUSS AND ONEILL</b> 146 HARTFORD ROAD MANCHESTER, CT 06040	
mark	date	description	date
Δ	9/27/17	ADDENDUM #6	7/18/2017
project <b>VETERANS HOME CAMPUS FIRE ALARM &amp; COMMISARY SPRINKLER PROJECT</b> ROCKY HILL, CONNECTICUT		scale AS NOTED	drawn by FC/DVMC
CAD no. 20091160.A30	project no. CT BI-C-285	FAI NO. 09-016	approved by JMC/ALP
			drawing no. <b>FA150.2</b>

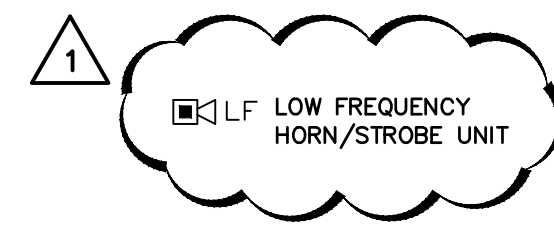


**LINETYPE LEGEND**

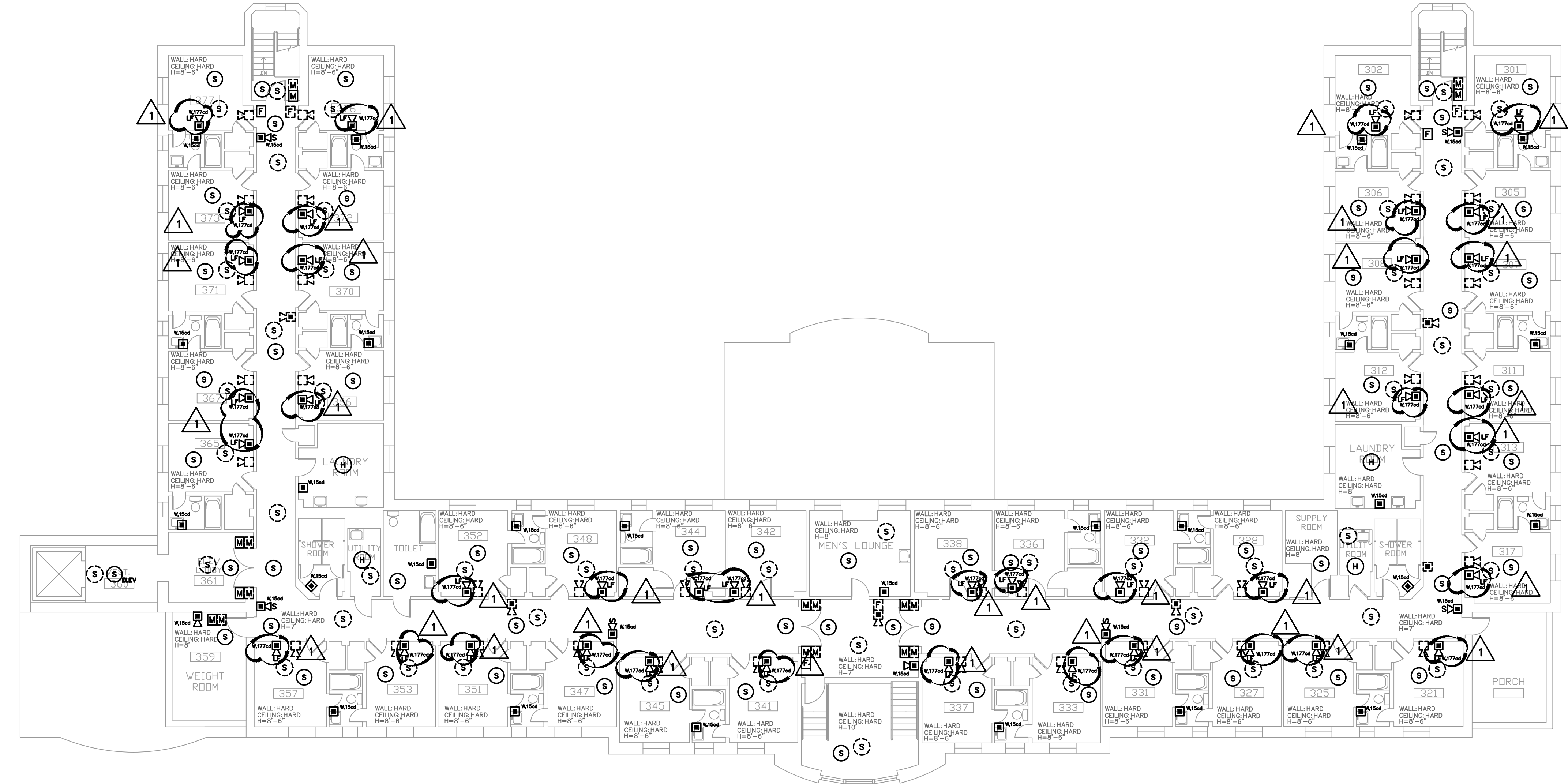
---	EXISTING TO REMAIN
---	DEMOLITION
---	NEW WORK

**FIRE ALARM/LIFE SAFETY**

[FACP]	FIRE ALARM CONTROL PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
[FAAN]	FIRE ALARM ANNUNCIATOR PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
[S]	FIRE ALARM STROBE UNIT
[H]	FIRE ALARM HORN/STROBE UNIT
[S]	FIRE ALARM SPEAKER/STROBE UNIT
[F]	FIRE ALARM PULL STATION MOUNTED AT 48" AFF TO CENTER OF BOX.
[H]	HEAT DETECTOR
[S]	SMOKE DETECTOR
[CO]	CARBON MONOXIDE DETECTOR
[M]	MAGNETIC DOOR HOLDER
[J]	FACP JUNCTION BOX
[R]	REMOTE LED/TEST STATION FOR DUCT TYPE SMOKE DETECTOR
[AMM]	ADDRESSABLE MONITOR MODULE
[ACM]	ADDRESSABLE CONTROL MODULE
[FS]	SPRINKLER FLOW SWITCH
[TS]	SPRINKLER TAMPER SWITCH
[PS]	SPRINKLER PRESSURE SWITCH
[X]	EXISTING HATCHWAY
---	EXISTING BEAM



**GENERAL NOTES:**  
 1. EXISTING FIRE ALARM SYSTEM TO BE REMOVED IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WIRING, CONDUIT, SUPPORT, DEVICES, AND CONTROLS. ALL DEVICES TO BE REMOVED MAY NOT BE SHOWN.  
 2. HAZARD MATERIAL MAY EXIST IN WALL OR CEILING. CONSULT PROJECT MANUAL FOR HAZMAT REPORT.  
 3. BOXES FOR SURFACE MOUNTED DEVICES SHALL BE SMOOTH FINISH. UNFINISHED OUTLET BOXES WITH KNOCKOUTS ARE NOT ALLOWED.



**GENERAL NOTES FOR FIRE ALARM/LIFE SAFETY EQUIPMENT**

WP = WEATHERPROOF BOX PER SPECIFICATIONS  
 STII = STOPPER II COVERS PER SPECIFICATIONS  
 xx' = MOUNTING HEIGHT (AFF INSIDE, AFG OUTSIDE)  
 DEFAULT MOUNTING HEIGHT SHOWN IN SCHEDULE  
 xx = SUBSCRIPT AS DEFINED BELOW

**SPEAKERS/HORNS MOUNTING**  
 ALL AUDIBLE DEVICES SHALL BE MULTI-TAP  
 db LEVEL SHALL BE HIGHEST TAP UNLESS OTHERWISE NOTED  
 W = WALL  
 C = CEILING  
 XXdb = db RATING

**STROBES OR COMBINATION WITH STROBE MOUNTING**  
 WALL MOUNTING 80" AFF TO CENTER OF STROBE UNLESS OTHERWISE NOTED  
 W = WALL  
 C = CEILING

**STROBE MOUNTING AND INTENSITY RATING**  
 WALL MOUNTING 80" AFF TO CENTER OF STROBE UNLESS OTHERWISE NOTED  
 W = WALL  
 C = CEILING  
 XXcd = CANDELA RATING

**HEAT DETECTORS**  
 TEMPERATURE RATING WILL BE 135° UNLESS OTHERWISE NOTED  
 XX' = FIXED TEMPERATURE  
 RR = RATE OF RISE  
 N = NON-ADDRESSABLE

**SMOKE DETECTORS**  
 PHOTOELECTRIC UNLESS OTHERWISE NOTED  
 DD = DUCT TYPE DETECTOR  
 I = IONIZATION  
 P = PHOTOELECTRIC  
 H = COMBINATION SMOKE/HEAT DETECTOR  
 CO = COMBINATION SMOKE/CARBON MONOXIDE DETECTOR

DUCT DETECTORS ARE PROVIDED BY ELECTRICAL CONTRACTOR, MOUNTED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR LOCATION.

FLOW, TAMPER AND PRESSURE SWITCHES PROVIDED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.

**WIRING METHODS**

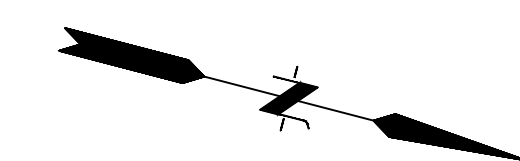
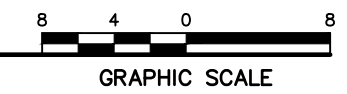
ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B".  
 ALL FIRE ALARM WIRING SHALL BE INSTALLED IN METALLIC RACEWAY AS FOLLOWS:

<b>CEILING</b>	
ACCESSIBLE CEILING	CONCEALED EMT WITH MAXIMUM 5'-0" FLEX CONNECTION
INACCESSIBLE CEILING WITH INSTALLATION SPACE ABOVE	CONCEALED FLEX CONDUIT
COMPLETELY INACCESSIBLE CEILING <sup>1</sup> FINISHED SPACE	SURFACE RACEWAY PAINTED TO MATCH EXISTING CEILING
COMPLETELY INACCESSIBLE CEILING <sup>2</sup> UNFINISHED SPACE	SURFACE EMT
<b>WALLS</b>	
FINISHED	SURFACE RACEWAY PAINTED TO MATCH EXISTING WALLS
UNFINISHED	SURFACE EMT

a. EXAMPLES OF COMPLETELY INACCESSIBLE CEILING ARE GYPSUM BOARD, PLASTER OR CANE FIBER ATTACHED DIRECTLY TO CONCRETE DECK.

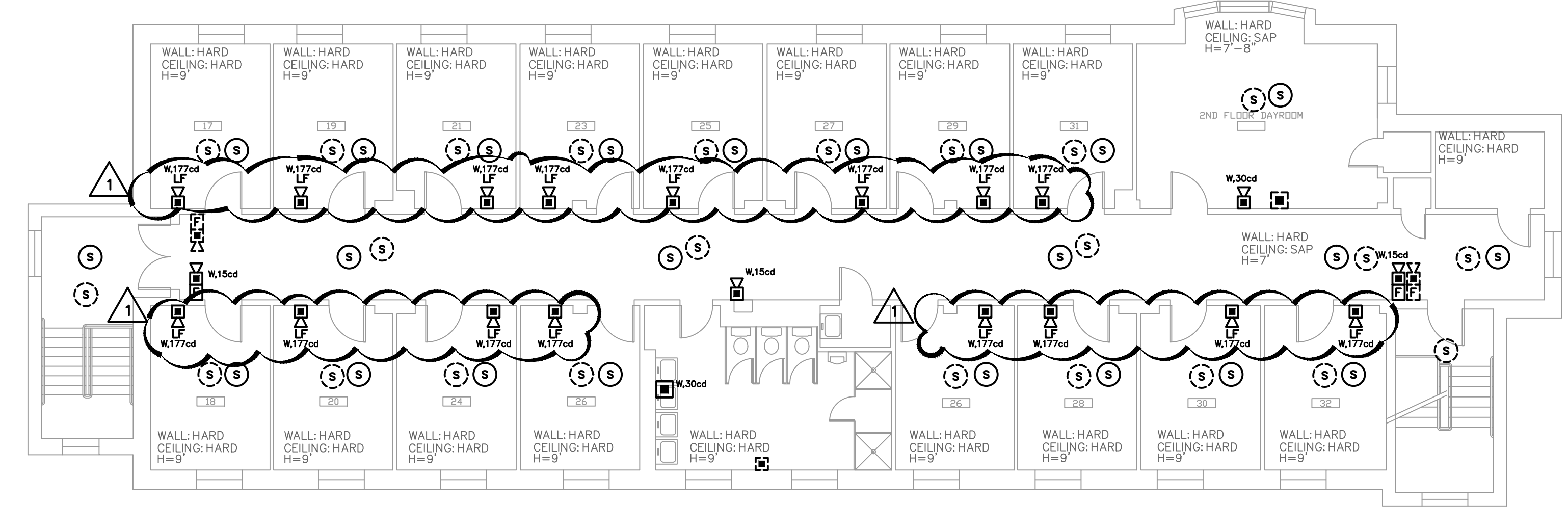
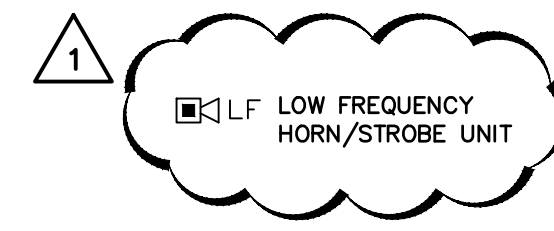
**NOTES:**  
 1. CONTRACTOR SHALL CONSULT WITH ENGINEER AND OWNER IF IT IS UNCLEAR AS TO WHETHER A ROOM SHALL BE CLASSIFIED AS A FINISHED OR UNFINISHED SPACE. THE ENGINEER AND OWNER WILL MAKE FINAL DECISION AS TO WIRING METHOD TO BE USED.  
 2. IN ALL CASES WHERE CORRIDOR, STORAGE ROOM, JANITOR CLOSET OR OTHER WALL RUNS FROM FLOOR TO UNDERSIDE OF ROOF, PROVIDE FIRESTOPPING AT ALL NEW PENETRATIONS IN ACCORDANCE WITH SECTION 078400 AND DETAILS.

**1 BUILDING 50 - THIRD FLOOR (SUPPLEMENTAL BID #2)**  
 SCALE: 3/32" = 1'

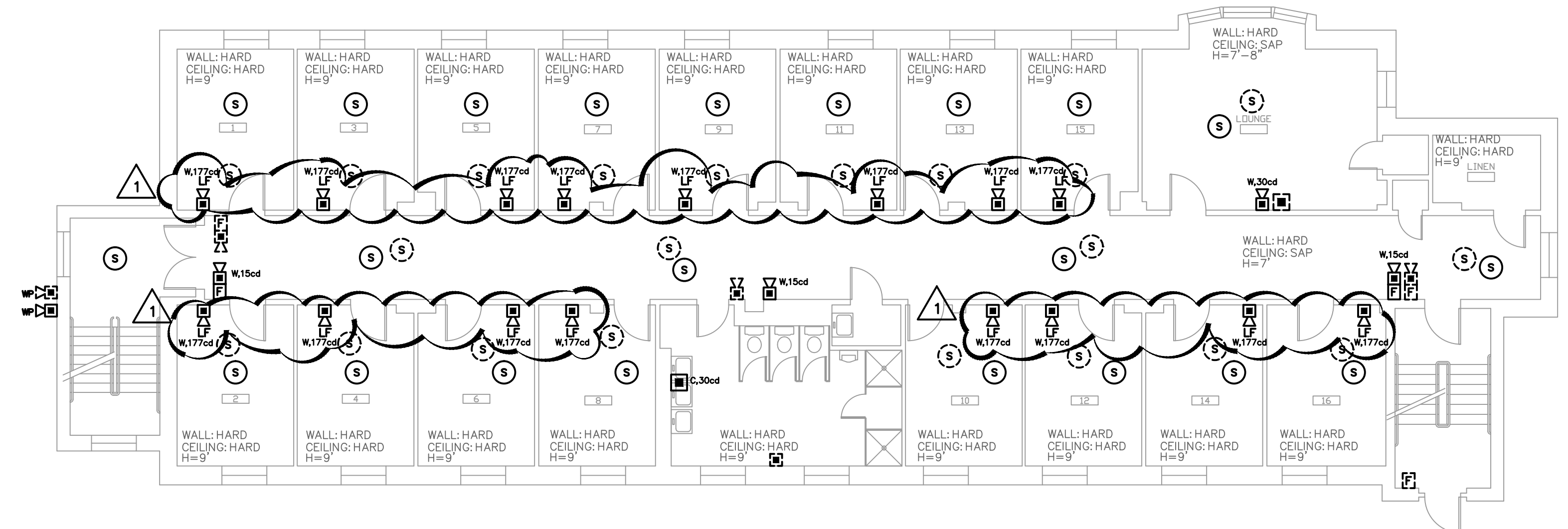


drawing title <b>BUILDING 50 - THIRD FLOOR                  FIRE ALARM PLAN</b>		<b>STATE OF CONNECTICUT</b> DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by <b>FUSS AND ONEILL</b> 146 HARTFORD ROAD MANCHESTER, CT 06040	
mark Δ	date 9/27/17	description ADDENDUM #6	date 7/18/2017 scale AS NOTED
project <b>VETERANS HOME                  CAMPUS FIRE ALARM &amp;                  COMMISSARY SPRINKLER PROJECT</b> ROCKY HILL, CONNECTICUT		drawn by FCD/VMC approved by JMC/JALP drawing no. <b>FA150.3</b>	
CAD no. 20091160.A30		project no. CT BI-C-285 FAI NO. 09-016	

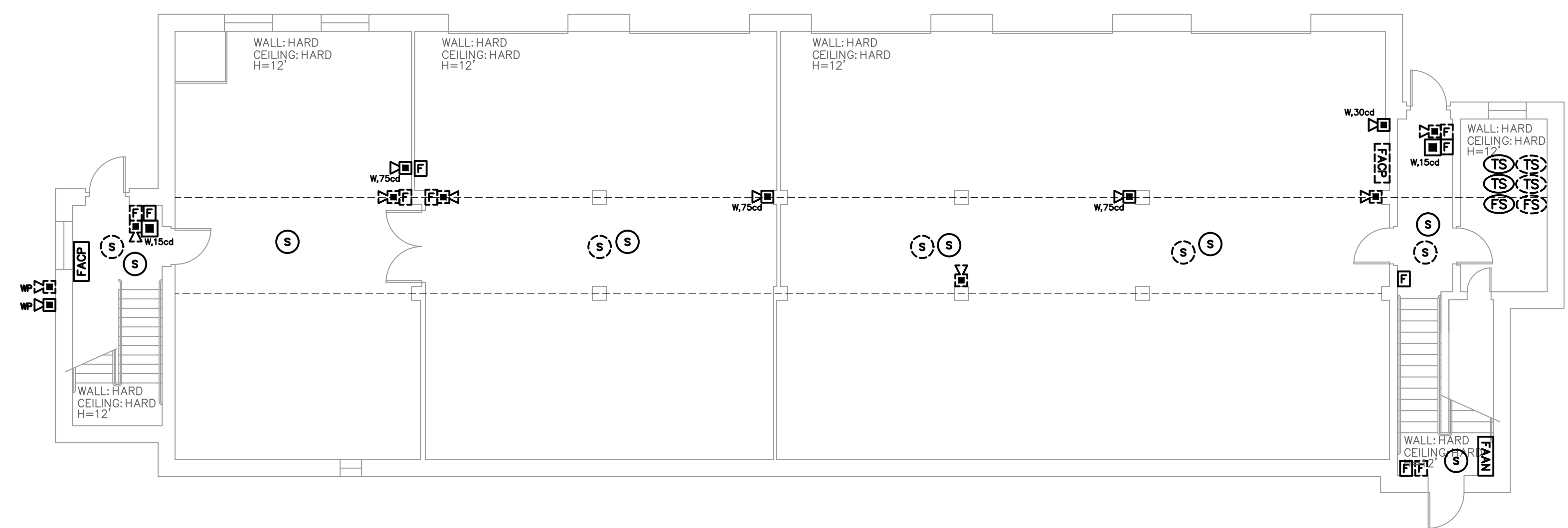
LINETYPE LEGEND		FIRE ALARM/LIFE SAFETY	
---	EXISTING TO REMAIN	[FACP]	FIRE ALARM CONTROL PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
---	DEMOLITION	[FAAN]	FIRE ALARM ANNUNCIATOR PANEL MOUNTED AT 60" AFF TO CENTER OF BOX.
---	NEW WORK	[FAU]	FIRE ALARM STROBE UNIT
		[FAH]	FIRE ALARM HORN/STROBE UNIT
		[FAS]	FIRE ALARM SPEAKER/STROBE UNIT
		[FAP]	FIRE ALARM PULL STATION MOUNTED AT 48" AFF TO CENTER OF BOX.
		[H <sub>xx</sub> ]	HEAT DETECTOR
		[S <sub>xx</sub> ]	SMOKE DETECTOR
		[CO]	CARBON MONOXIDE DETECTOR
		[M]	MAGNETIC DOOR HOLDER
		[J]	FACP JUNCTION BOX
		[R]	REMOTE LED/TEST STATION FOR DUCT TYPE SMOKE DETECTOR
		[AMM]	ADDRESSABLE MONITOR MODULE
		[ACM]	ADDRESSABLE CONTROL MODULE
		[FS]	SPRINKLER FLOW SWITCH
		[TS]	SPRINKLER TAMPER SWITCH
		[PS]	SPRINKLER PRESSURE SWITCH
		[H]	EXISTING HATCHWAY
		---	EXISTING BEAM



**3** BUILDING 52 - THIRD FLOOR (SUPPLEMENTAL BID #2)  
SCALE: 1/8" = 1'-0"  
GRAPHIC SCALE



**2** BUILDING 52 - FIRST FLOOR (SUPPLEMENTAL BID #2)  
SCALE: 1/8" = 1'-0"  
GRAPHIC SCALE



**1** BUILDING 52 - BASEMENT (SUPPLEMENTAL BID #2)  
SCALE: 1/8" = 1'-0"  
GRAPHIC SCALE

**GENERAL NOTES FOR FIRE ALARM/LIFE SAFETY EQUIPMENT**

WP = WEATHERPROOF BOX PER SPECIFICATIONS  
 STII = STOPPER II COVERS PER SPECIFICATIONS  
 xx" = MOUNTING HEIGHT (AFF INSIDE, AFG OUTSIDE)  
 DEFAULT MOUNTING HEIGHT SHOWN IN SCHEDULE  
 xx = SUBSCRIPT AS DEFINED BELOW

**SPEAKERS/HORNS MOUNTING**  
 ALL AUDIBLE DEVICES SHALL BE MULTI-TAP  
 db LEVEL SHALL BE HIGHEST TAP UNLESS OTHERWISE NOTED

W = WALL  
 C = CEILING  
 XXdb = db RATING

**STROBES OR COMBINATION WITH STROBE MOUNTING**  
 WALL MOUNTING 80" AFF TO CENTER OF STROBE  
 UNLESS OTHERWISE NOTED

W = WALL  
 C = CEILING

**STROBE MOUNTING AND INTENSITY RATING**  
 WALL MOUNTING 80" AFF TO CENTER OF STROBE  
 UNLESS OTHERWISE NOTED

W = WALL  
 C = CEILING  
 XXcd = CANDELA RATING

**HEAT DETECTORS**  
 TEMPERATURE RATING WILL BE 135° UNLESS OTHERWISE NOTED  
 XX° = FIXED TEMPERATURE  
 RR = RATE OF RISE  
 N = NON-ADDRESSABLE

**SMOKE DETECTORS**  
 PHOTOELECTRIC UNLESS OTHERWISE NOTED  
 DD = DUCT TYPE DETECTOR  
 I = IONIZATION  
 P = PHOTOELECTRIC  
 H = COMBINATION SMOKE/HEAT DETECTOR  
 CO = COMBINATION SMOKE/CARBON MONOXIDE DETECTOR

DUCT DETECTORS ARE PROVIDED BY ELECTRICAL CONTRACTOR,  
 MOUNTED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL  
 CONTRACTOR. SEE MECHANICAL DRAWINGS FOR LOCATION.

FLOW, TAMPER AND PRESSURE SWITCHES PROVIDED BY OTHERS,  
 WIRED BY ELECTRICAL CONTRACTOR.

**WIRING METHODS**

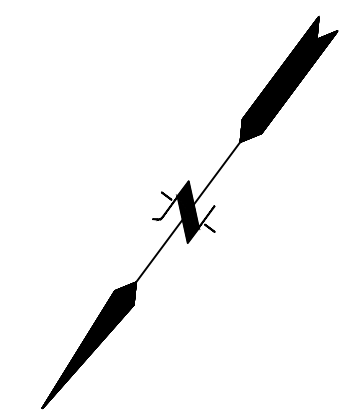
ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B".  
 ALL FIRE ALARM WIRING SHALL BE INSTALLED IN METALLIC RACEWAY AS FOLLOWS:

CEILINGS	
ACCESSIBLE CEILING	CONCEALED EMT WITH MAXIMUM 5'-0" FLEX CONNECTION
INACCESSIBLE CEILING WITH INSTALLATION SPACE ABOVE	CONCEALED FLEX CONDUIT
COMPLETELY INACCESSIBLE CEILING <sup>9</sup> FINISHED SPACE	SURFACE RACEWAY PAINTED TO MATCH EXISTING CEILING
COMPLETELY INACCESSIBLE CEILING <sup>9</sup> UNFINISHED SPACE	SURFACE EMT
WALLS	
FINISHED	SURFACE RACEWAY PAINTED TO MATCH EXISTING WALLS
UNFINISHED	SURFACE EMT

<sup>9</sup> EXAMPLES OF COMPLETELY INACCESSIBLE CEILINGS ARE GYPSUM BOARD, PLASTER OR CANE FIBER ATTACHED DIRECTLY TO CONCRETE DECK.

**NOTES:**  
 1. CONTRACTOR SHALL CONSULT WITH ENGINEER AND OWNER IF IT IS UNCLEAR AS TO WHETHER A ROOM SHALL BE CLASSIFIED AS A FINISHED OR UNFINISHED SPACE. THE ENGINEER AND OWNER WILL MAKE FINAL DECISION AS TO WIRING METHOD TO BE USED.  
 2. IN ALL CASES WHERE CORRIDOR, STORAGE ROOM, JANITOR CLOSET OR OTHER WALL RUNS FROM FLOOR TO UNDERSIDE OF ROOF, PROVIDE FIRESTOPPING AT ALL NEW PENETRATIONS IN ACCORDANCE WITH SECTION 078400 AND DETAILS.

drawing title: <b>BUILDING 52 FIRE ALARM PLAN</b>		<b>STATE OF CONNECTICUT</b> DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS		drawing prepared by <b>FUSS AND ONEILL</b> 146 HARTFORD ROAD MANCHESTER, CT 06040	
mark	date	description	date
Δ	9/27/17	ADDENDUM #6	7/18/2017
project: <b>VETERANS HOME CAMPUS FIRE ALARM &amp; COMMISARY SPRINKLER PROJECT</b> ROCKY HILL, CONNECTICUT		scale: AS NOTED	drawn by: FC/DV/MC
CAD no. 20091160.A30	project no. CT BI-C-285	FAI NO. 09-016	approved by: JMC/ALP
			drawing no. <b>FA152.0</b>



File Path: J:\DWG\F20091160\A30\MEP\Electrical\Building 52\20091160\A30\_E152.dwg Layout: FA152.0 Plotted: Wednesday, September 27, 2017, 11:19 AM User: FCARICCHID

**GENERAL NOTES:**  
 1. EXISTING FIRE ALARM SYSTEM TO BE REMOVED IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WIRING, CONDUIT, SUPPORT, DEVICES, AND CONTROLS. ALL DEVICES TO BE REMOVED MAY NOT BE SHOWN.  
 2. HAZARD MATERIAL MAY EXIST IN WALL OR CEILING. CONSULT PROJECT MANUAL FOR HAZMAT REPORT.  
 3. BOXES FOR SURFACE MOUNTED DEVICES SHALL BE SMOOTH FINISH. UNFINISHED OUTLET BOXES WITH KNOCKOUTS ARE NOT ALLOWED.