

General Notes

1. DO NOT SCALE ANY DRAWING.
2. The Architect shall be consulted in the event any item of work necessary for the proper completion of the Project which is not specifically covered in the drawings and/or specifications.
3. All work performed by the Contractor and all Sub-Contractors shall be of superior quality performed in a manner consistent with industry standards, all building code requirements and in a professional manner by mechanics skilled and licensed in their respective trades.
4. All manufactured articles, materials and equipment shall be applied, installed, erected and connected in accordance with manufacturer's directions and recommendations.
5. Any discrepancies between drawings and/or specifications, local codes, building inspector requirements and/or existing conditions shall be referred to the Architect for resolution. All Contractors shall check and be responsible for all dimensions and conditions prior to commencement of construction or the work of their specific trade. Where job conditions prevent obtaining dimensions or results as shown or specified, the Contractor shall consult the Architect for resolution.
6. The General Contractor is responsible to coordinate all work and for the means, methods, procedures, techniques, and sequence of construction.
7. All Work performed by the Contractor and all Sub-Contractors shall conform to the requirements of municipal, local, federal and state laws, as well as any other governing requirements, and conventional guidelines, whether or not specified on the drawings.
8. These Plans may be used only under such conditions in which all applicable laws, rules and regulations is the sole responsibility of the Contractor.
9. Where the contract, notes or drawings call for any work of a more stringent nature than that required by the building code or any other department having jurisdiction over the work, the work of the more stringent nature called for by the contract, construction notes or drawings shall be furnished in all cases.
10. Reasonable allowances shall be provided for all items not specified in the drawings, materials list, notes and specifications.
11. Substitutions for specified items shall be permitted only upon written consent from the Architect.
12. Written dimensions have precedence over scaled dimensions. Larger scale details have precedence over smaller scale details.
13. *The Contractor shall be responsible for prompting owner to obtain builders risk insurance prior to construction.* The Contractor shall be responsible for obtaining all permits and approvals, all fees and taxes necessary to the construction of the Project.
14. The Contractor shall be fully and solely responsible for the removal, replacement and rectification of all damaged and defective material and workmanship in connection with the contract work.
15. The Contractor and all Sub-Contractors shall obtain and apply for all legally required approvals and permits necessary for the execution and completion of his work.
16. The Contractor is responsible that easements and setbacks are not encroached.
17. The Contractor shall coordinate all tie-ins and all utility services with the respective utility companies.
18. The Contractor shall remove all construction debris and leave the site uniformly graded.
19. The Contractor shall protect from damage all existing trees, shrubs, vegetation and landscape elements or features adjacent to and in the vicinity of the building pad and staging areas during the entire period of construction.

Bid Documents  
July 3, 2025

ITC Fourth Floor Phase II  
Whole Building Fire Suppression System  
International Trade Center  
250 North Water Street  
Mobile, AL

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Reference Drawings

Note:  
Sheets listed below are design (not for construction) drawings that are part of a separate scope of work and included for reference only.

T1Aa	Title
A1	Level 4 Floor Plan - Base Bid
A2	Level 4 Floor Plan - Alternates
A4	Roof Plan (For Reference Only)
A5	Level 4 Reflected Ceiling Plan - Base Bid
A6	Level 4 Reflected Ceiling Plan - Alternates
A7	Roof Reflected Ceiling Plan

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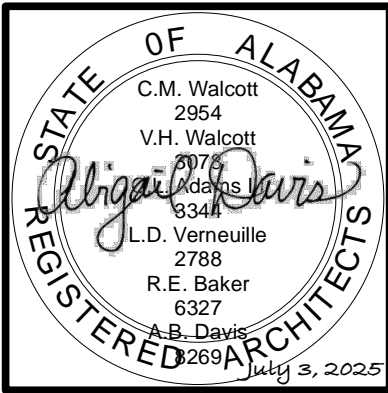
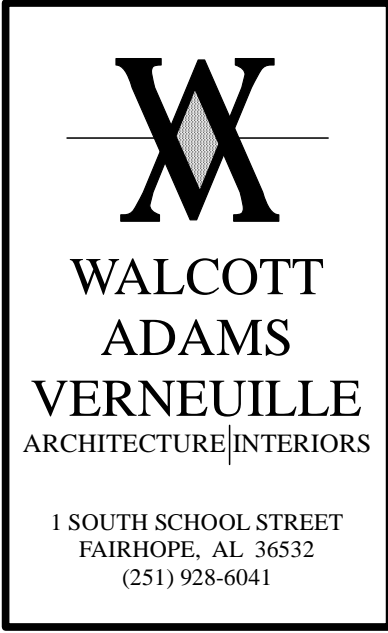
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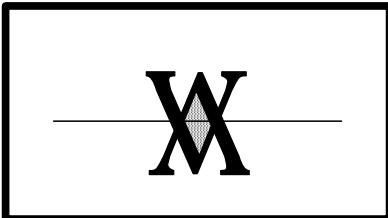
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Alabama State Port Authority  
ITC Fourth Floor Phase II  
Whole Building Fire Suppression System  
International Trade Center  
250 North Water Street, Mobile, AL 36602

Date	July 3, 2025
Revised	
Revised	
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T1A
Title Sheet







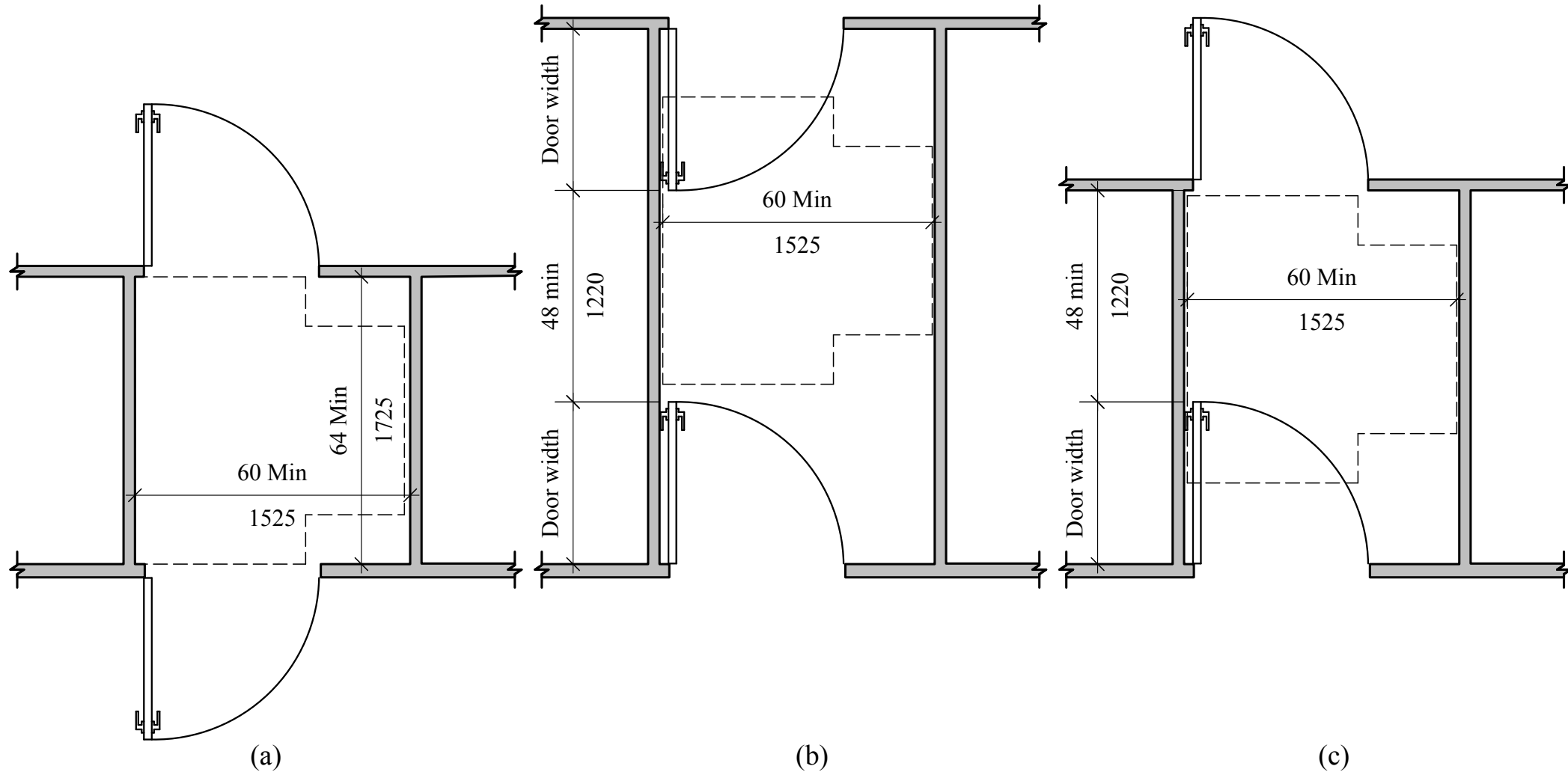


Figure 404.2.5 Two Doors or Gates in a Series - New Buildings

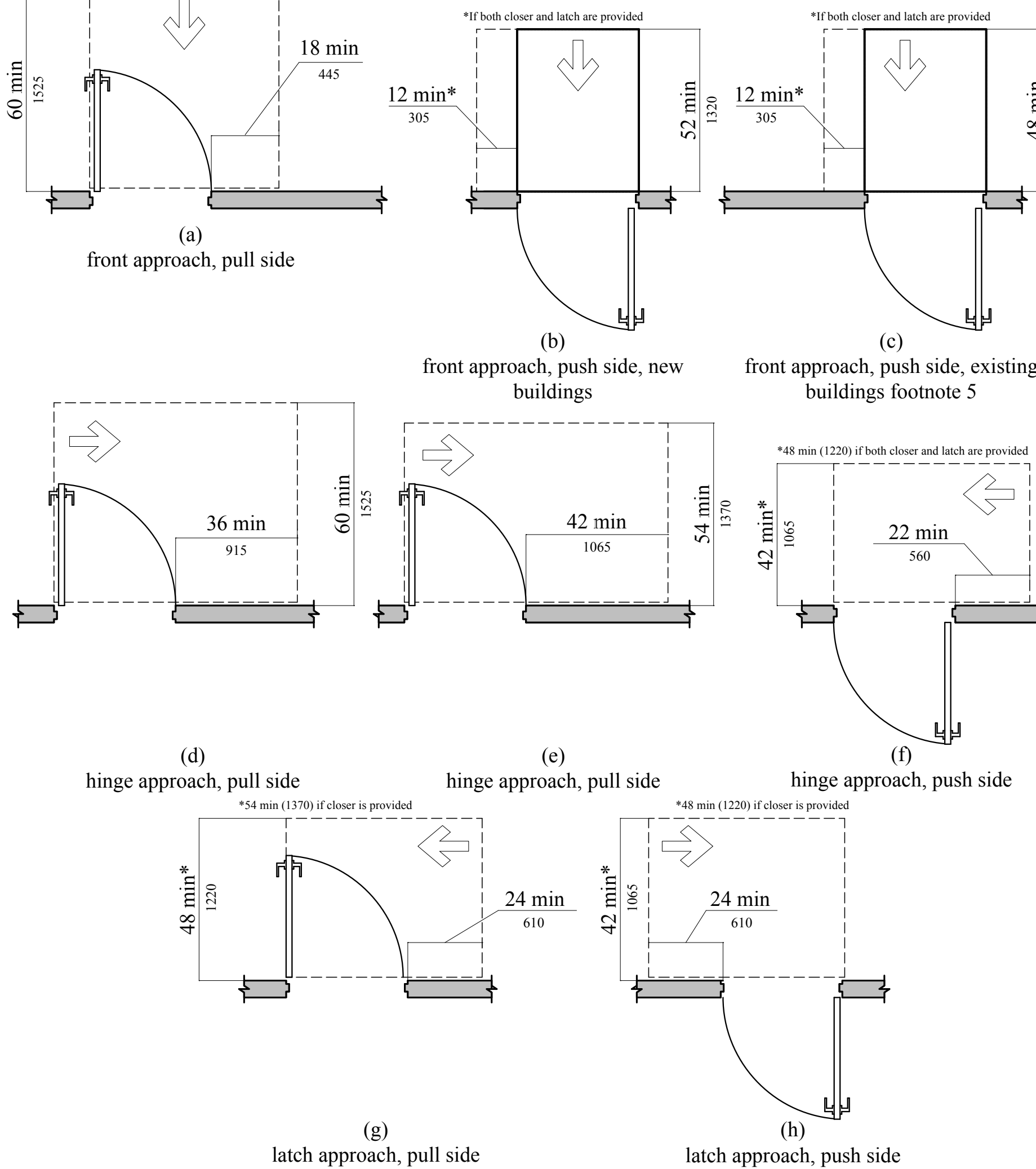


Figure 404.2.3.2 Maneuvering Clearances at Manual Swinging Doors

## CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES

### 602 Drinking Fountains and Bottle Filling Stations

602.2.1 Clear Floor Space. A clear floor space positioned for a forward approach to the drinking fountain shall be provided. Knee and toe space complying with 306 shall be provided. The clear floor space shall be centered on the drinking fountain.

EXCEPTION: Drinking fountains primarily for children's use shall be permitted where a clear floor space provides a parallel approach and is centered on the drinking fountain.

### 602.2.2 Operable Parts. Operable parts shall comply with 309.

602.2.3 Spout Outlet Height. Spout outlets of drinkin fountains shall be 36 inches (915 mm) maximum above the floor.  
EXCEPTION: At drinking fountains primarily for children's use, the spout outlet shall be 30 inches (760 mm) maximum above the floor.

602.2.4 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the drinking fountain, including bumpers.  
EXCEPTION: At drinking fountains primarily for children's use, the spout shall be located 3-1/2 inches (90 mm) maximum from the front edge of the drinking fountain, including bumpers.

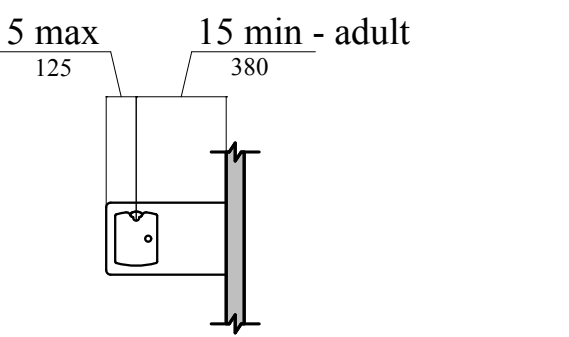


Figure 602.2.4 Wheelchair Drinking Fountain Spout Location

602.2.5 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) minimum in height. The angle of the water stream from spouts within 3 inches (75 mm) of the front of the drinking fountain shall be 30 degrees maximum, and from between 3 inches (75 mm) and 5 inches (125 mm) from the front of the drinking fountain shall be 15 degrees maximum, measured horizontally relative to the front face of the drinking fountain.

602.3 Drinking Fountains for Persons Who Are Standing. Drinking fountains for persons who are standing shall comply with Sections 602.3.1 through 602.3.4.

602.3.2 Spout Outlet Height. Spout outlets of drinking fountains shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the floor.  
EXCEPTION: Drinking fountains primarily for children's use shall be permitted where the spout outlet is 30 inches (760 mm) minimum and 43 inches (1090 mm) maximum above the floor.

### 603 Toilet and Bathing Rooms

#### 603.1 Clearances.

603.2.1 Turning Space. A turning space shall be provided within the room. The required turning space shall not be provided within a toilet compartment.

603.2.2 Door Swing. Doors shall not swing into the clear floor space or clearance for any fixture.

EXCEPTIONS:  
1. Doors to a toilet or bathing room for a single occupant, accessed only through a private office and not for common use or public use shall be permitted to swing into the clear floor space, provided the swing of the door can be reversed to comply with Section 603.2.2.  
2. Where the room is for individual use and a clear floor space complying with Section 305.3 is provided within the room beyond the arc of the door swing, the door shall not be required to comply with Section 603.2.2.

603.3 Mirrors. Where mirrors are located above lavatories, a mirror shall be located over the lavatory complying with Section 606 and shall be mounted with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor. Where mirrors are located above counters that do not contain lavatories, the mirror shall be mounted with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor.  
EXCEPTION: Other than within Accessible dwelling or sleeping units, mirrors shall not be required over the lavatories or counters if a mirror is located within the same toilet or bathing room and mounted with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the floor.

603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in Section 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the floor.

### 604 Water Closets and Toilet Compartments

604.2 Location. The water closet shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition. Water closets located in ambulatory accessible toilet compartments specified in Section 604.10 shall have the centerline of the water closet 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition.

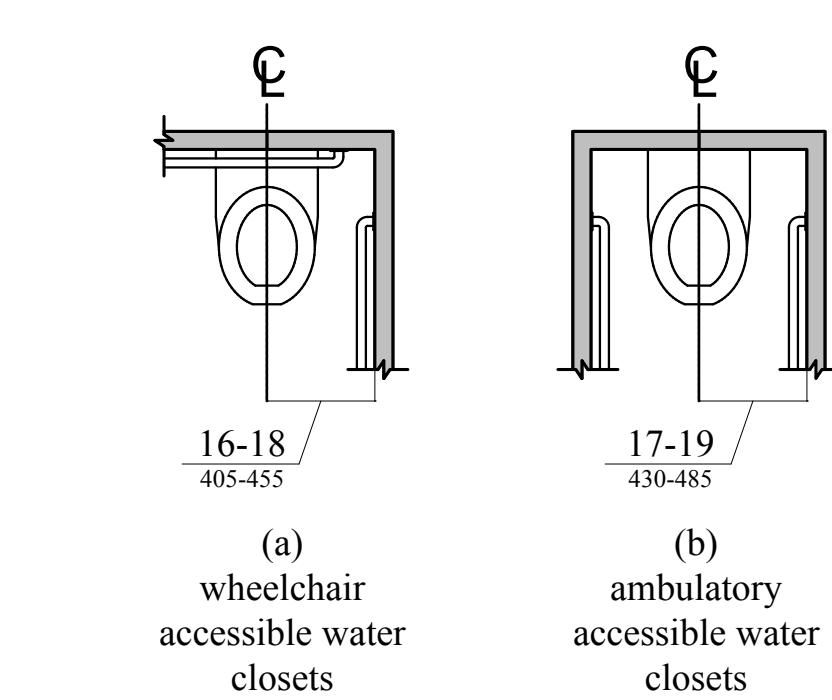


Figure 604.2 Water Closet Location

604.3.1 Clearance Width. Clearance around a water closet shall be 60 inches (1525 mm) minimum in width, measured perpendicular from the side wall.

604.3.2 Clearance Depth. Clearance around the water closet shall be 56 inches (1420 mm) minimum in depth, measured perpendicular from the rear wall.

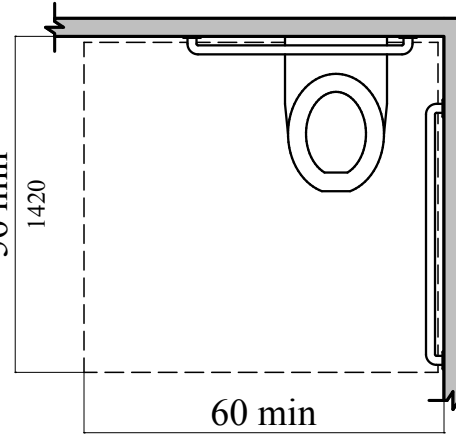


Figure 604.3 Size of Clearance for Water Closets

604.3.3 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, paper dispensers, sanitary napkin receptacles, coat hooks, shelves, accessible routes, clear floor space at other fixtures, and the turning space. No other fixtures or obstructions shall be within the required water closet clearance.

604.4 Height. The height of water closet seats shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the floor, measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.5 Grab Bars. Grab bars for water closets shall comply with Section 609 and shall be provided in accordance with Section 604.5.1 and 604.5.2. Grab bars shall be provided on the rear wall and on the side wall closest to the water closet.

604.5.1 Horizontal Grab Bar. A horizontal grab bar 42 inches (1065 mm) minimum in length shall be located 12 inches (305 mm) maximum from the rear wall and extend 54 inches (1370 mm) minimum from the rear wall.

604.5.1.2 Vertical Grab Bar. A vertical grab bar 18 inches (455 mm) minimum in length shall be mounted with the bottom of the bar located 39 inches (990 mm) minimum and 41 inches (1040 mm) maximum above the floor, and with the center line of the bar located 39 inches (990 mm) minimum and 41 inches (1040 mm) maximum from the rear wall.

604.5.2 Rear-Wall Grab Bars. The fixed rear-wall grab bar shall:

1. Be 36 inches (915 mm) minimum in length,
2. Be located 6 inches (150 mm) from the side wall, and
3. Extend 42 inches (1065 mm) minimum from the side wall.

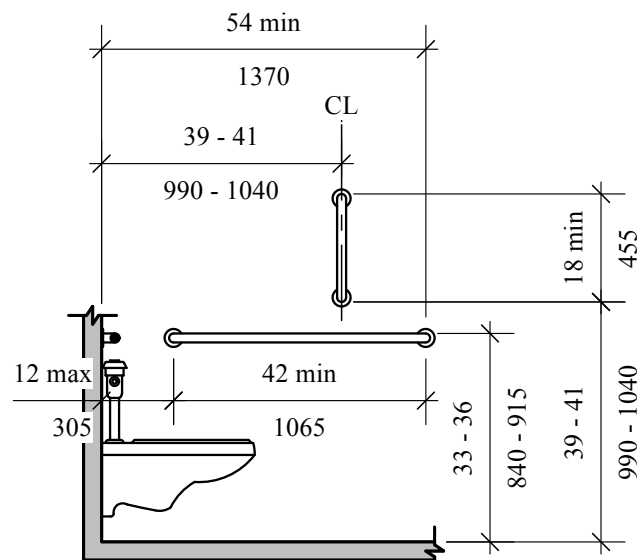


Figure 604.5.1 Side Wall Grab Bar at Water Closets

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 309. Flush controls shall be located on the open side of the water closet.

EXCEPTION: In ambulatory accessible toilet compartments complying with Section 604.10, flush controls shall be permitted to be located on either side of the water closet.

604.7 Dispensers. Toilet paper dispensers shall comply with Sections 309.4 and 609.3. Dispensers shall not be of a type that control delivery or do not allow continuous paper flow.

604.7.1 Location. Where the dispenser is located above the grab bar, the outlet of the dispenser shall be located within an area 24 inches (610 mm) minimum and 36 inches (915 mm) maximum from the rear wall. Where the dispenser is located below the grab bar, the outlet of the dispenser shall be located within an area 24 inches (610 mm) minimum and 42 inches (1065 mm) maximum from the rear wall. The outlet of the dispenser shall be located 18 inches (455 mm) minimum and 48 inches (1220 mm) maximum above the floor.  
EXCEPTION: Toilet paper dispensers that accommodate a maximum of 2 toilet paper rolls of not more than 5-5/8 (125 mm) diameter each shall be permitted to be located 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the floor.

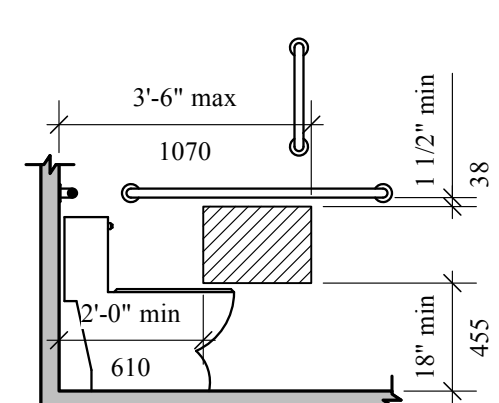


Figure 604.7.1 (A) Dispenser Outlet Location - Retracting Dispenser below Grab Bar

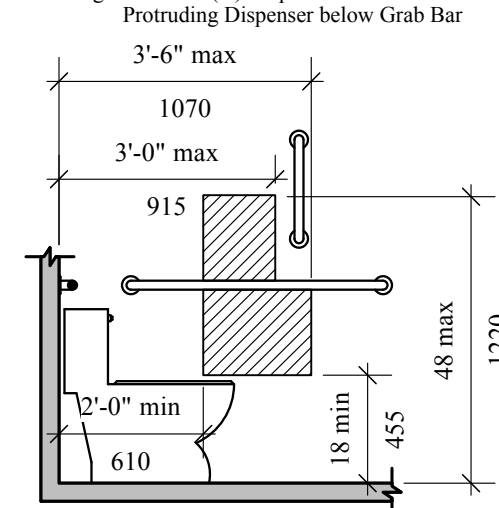


Figure 604.7.1 (C) Dispenser Outlet Location - Recessed Dispenser

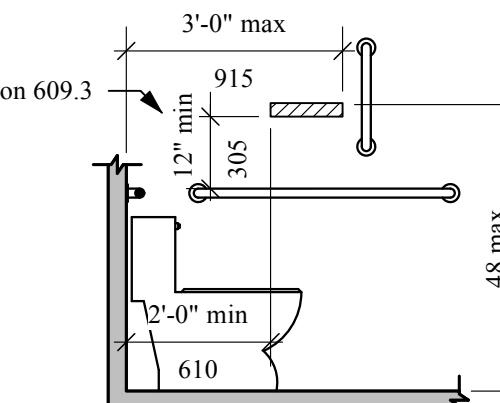


Figure 604.7.1 (B) Dispenser Outlet Location - Retracting Dispenser above Grab Bar

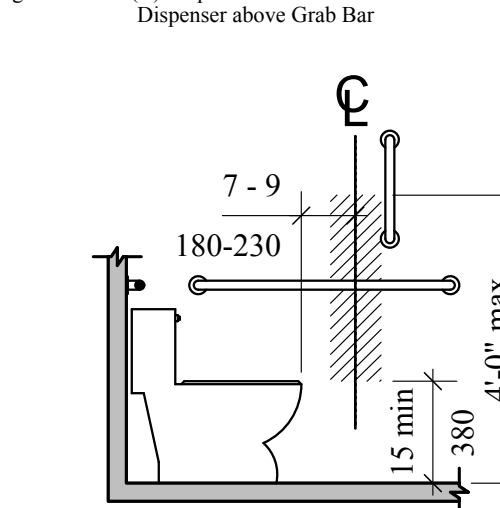


Figure 604.7.1 (D) Dispenser Outlet Location Dispenser in Front of Water Closet - Exception

604.8 Coat Hooks and Shelves. Coat hooks provided within toilet compartments shall be 48 inches (1220 mm) maximum above the floor. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the floor.

### 604.9 Wheelchair Accessible Toilet Compartments.

604.9.1 General. Wheelchair accessible toilet compartments shall comply with Section 604.9.

604.9.2 Size. Wheelchair accessible toilet compartments shall comply with Section 604.9.2.1, 604.9.2.2 or 604.9.2.3 as applicable.

604.9.2.1 Minimum Area. The minimum area of a wheelchair accessible toilet compartment shall be 60 inches (1525 mm) minimum in width measured perpendicular to the side wall, and 56 inches (1420 mm) minimum in depth for wall hung water closets, and 59 inches (1500 mm) minimum in depth for floor mounted water closets measured perpendicular to the rear wall.

604.9.2.2 Compartment for Children's Use. The minimum area of a wheelchair accessible toilet compartment primarily for children's use shall be 60 inches (1525 mm) minimum in width measured perpendicular to the side wall, and 59 inches (1500 mm) minimum in depth for wall hung and floor mounted water closets measured perpendicular to the rear wall.

604.9.2.3 Alternate Wheelchair Accessible Toilet Compartments. Where an alternate wheelchair accessible toilet compartment is provided, the minimum area of the compartment shall be 60 inches (1525 mm) minimum in width, measured perpendicular to the side wall, and 84 inches (2135 mm) minimum in depth, measured perpendicular to the rear wall.

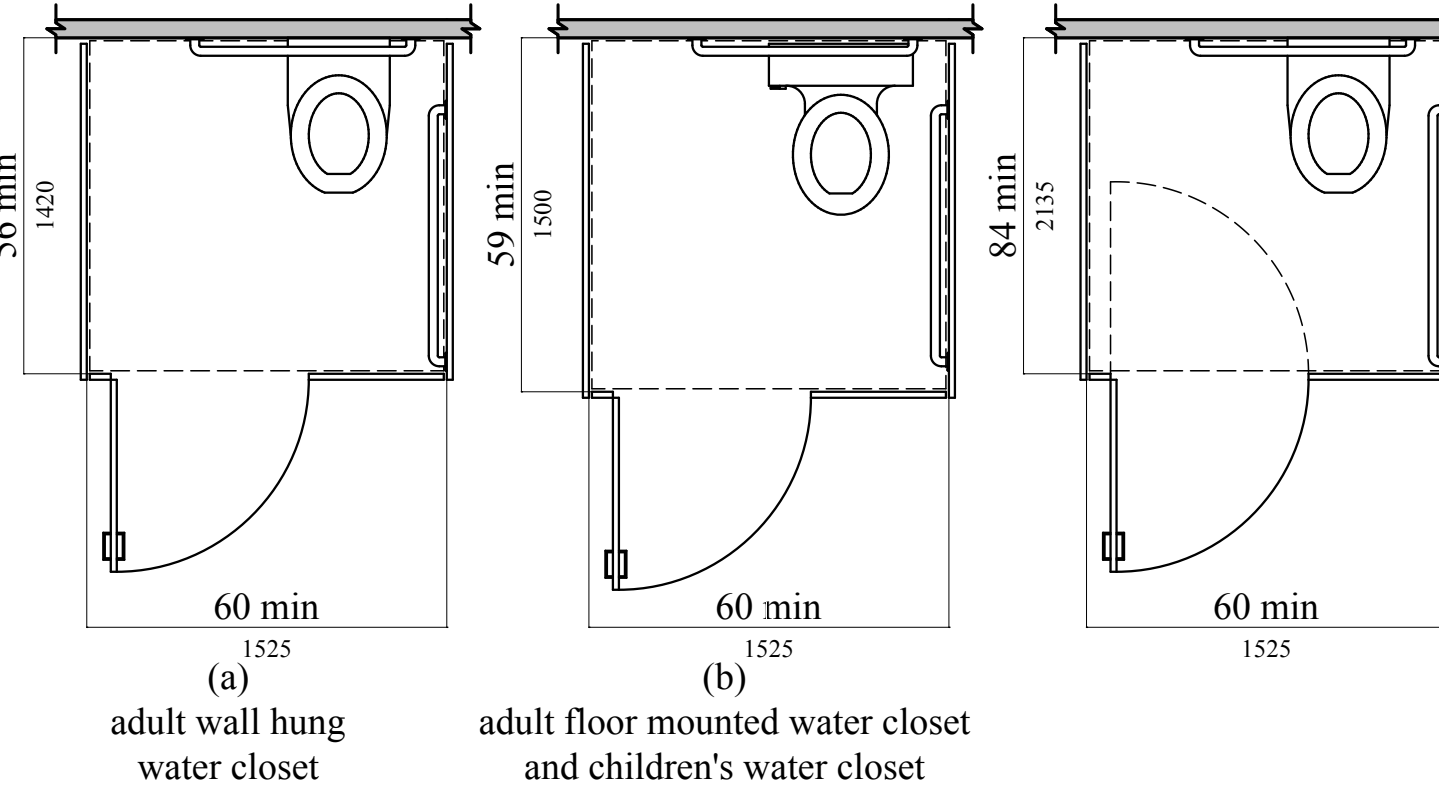


Figure 604.9.2 Wheelchair Toilet Compartment

604.9.3 Doors. Wheelchair accessible toilet compartment doors, including door hardware, shall comply with Section 404. The door shall be self-closing. A door pull complying with Section 404.2.6 shall be placed on both sides of the door near the latch. Wheelchair accessible toilet compartment doors shall not swing into the required minimum area of the compartment.

- EXCEPTIONS:
1. Outside of the compartment, where the approach is to the latch side of the wheelchair accessible toilet compartment, door clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum.
  2. Within the wheelchair accessible toilet compartment, maneuvering clearances at the door shall not be required to comply with Section 404.
  3. In an alternate wheelchair accessible toilet compartment, the door shall be permitted to swing into the stall where a clear floor space complying with Section 305.3 is provided within the stall beyond the arc of the door swing.

604.9.3.1 Door Opening Location. The farthest edge of the wheelchair accessible toilet compartment door opening shall be located in the front wall or partition or in the side wall or partition as required by Table 604.9.3.1.

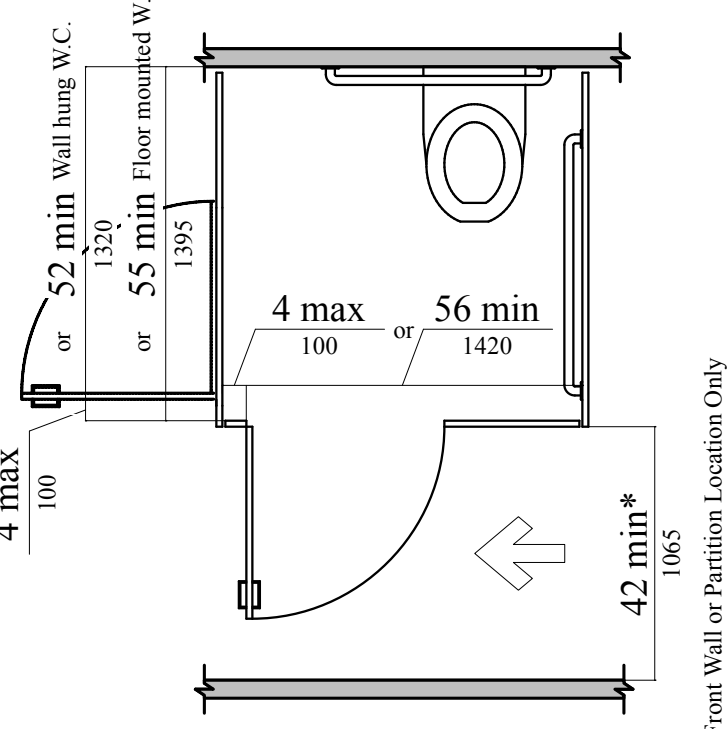


Figure 604.9.3.1 Wheelchair Toilet Compartment Door Opening Location

604.9.4 Approach. Wheelchair accessible toilet compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.9.5 Toe Clearance. Toe clearance for wheelchair accessible toilet compartments primarily for children's use shall comply with Section 604.9.5.2. Toe clearance for other wheelchair accessible toilet compartments shall comply with Section 604.9.5.1.

604.9.5.1 Toe Clearance at Wheelchair Accessible Toilet Compartments. The front partition and at least one side partition of wheelchair accessible toilet compartments shall provide a toe clearance of 12 inches (305 mm) minimum above the floor and extending 8 inches (205 mm) beyond the compartment-side face of the partition, exclusive of partition support members.

- EXCEPTIONS:
1. Toe clearance at the front partition is not required in a wheelchair accessible toilet compartment greater than 64 inches (1625 mm) in depth with a wall-hung water closet, or greater than 67 inches (1700 mm) in depth with a floor-mounted water closet.
  2. Toe clearance at the side partition is not required in a wheelchair accessible toilet compartment greater than 68 inches (1725 mm) in width.

604.9.5.2 Toe Clearance at Wheelchair Accessible Toilet Compartments for Children's Use. The front partition and at least one side partition of wheelchair accessible toilet compartments primarily for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the floor and extending 8 inches (205 mm) beyond the wheelchair accessible toilet compartment side face of the partition, exclusive of partition support members.

- EXCEPTIONS:
1. Toe clearance at the front partition is not required in a wheelchair accessible toilet compartment greater than 67 inches (1700 mm) in depth.
  2. Toe clearance at the side partition is not required in a wheelchair accessible toilet compartment greater than 68 inches (1725 mm) in width.

604.9.6 Grab Bars. Grab bars shall comply with Section 609. Side wall grab bars complying with Section 604.5.1 located on the wall closest to the water closet, and a rear-wall grab bar complying with Section 604.5.2, shall be provided.

### 604.10 Ambulatory Accessible Toilet Compartments.

604.10.1 General. Ambulatory accessible toilet compartments shall comply with Section 604.10.

604.10.2 Size. The minimum area of an ambulatory accessible toilet compartment be 60 inches (1525 mm) minimum in depth and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.10.3 Doors. Ambulatory accessible toilet compartment doors, including door hardware, shall comply with Section 404. The door shall be self-closing. A door pull complying with Section 404.2.6 shall be placed on both sides of the door near the latch. Compartment doors shall not swing into the required minimum area of the compartment.

EXCEPTIONS:  
1. Outside of the ambulatory accessible toilet compartment, where the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum.  
2. Within the ambulatory accessible toilet compartment, maneuvering clearances at the door shall not be required to comply with Section 404.

604.10.4 Grab Bars. Grab bars shall comply with Section 609. Side wall grab bars complying with Section 604.5.1 shall be provided on both sides of the compartment.

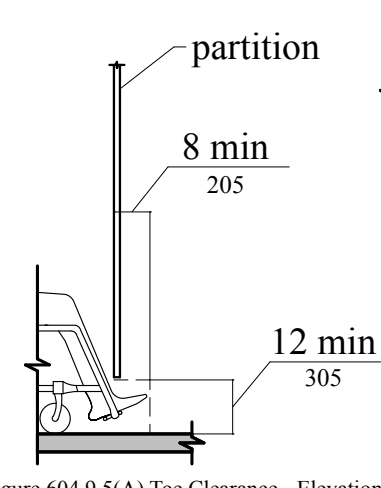


Figure 604.9.5(A) Toe Clearance - Elevation

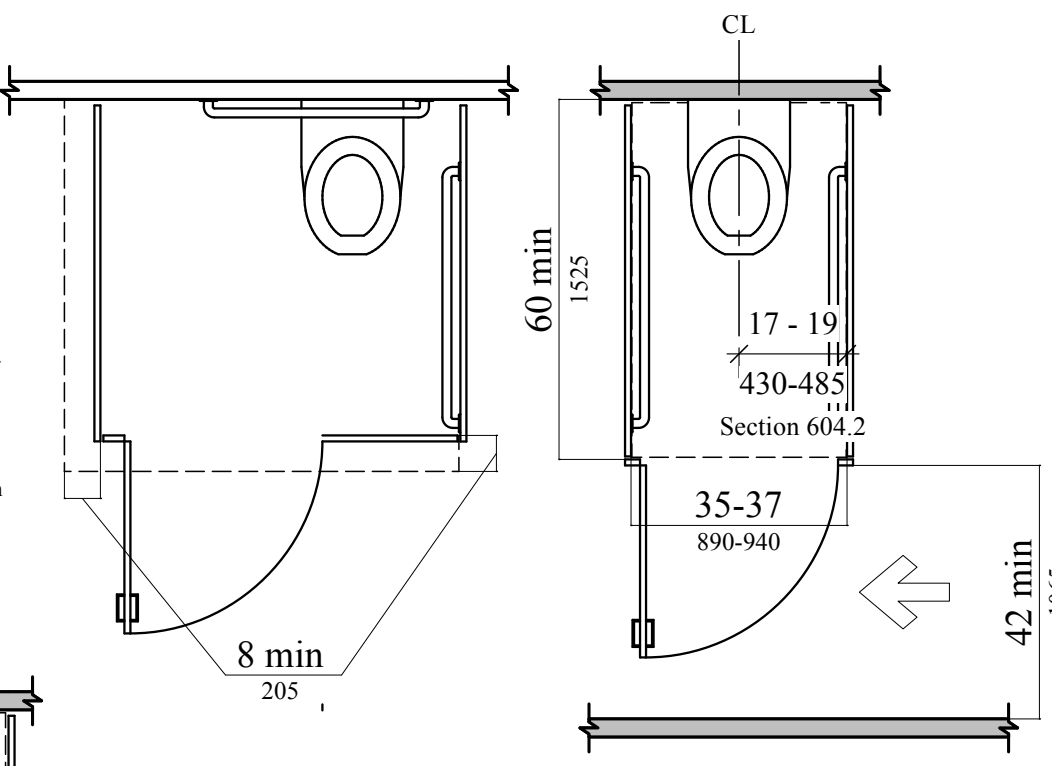


Figure 604.9.5(B) Toe Clearance - Plan

### 604.11 Water Closets and Toilet Compartments for Children's Use.

604.11.1 General. Water closets and wheelchair and ambulatory accessible toilet compartments primarily for children's use shall comply with Section 604.11.

604.11.2 Location. The water closet shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 12 inches (305 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition. Water closets located in ambulatory accessible toilet compartments specified in Section 604.10 shall be located as specified in Section 604.2.

604.11.3 Clearance. A clearance around the water closet complying with Section 604.3 shall be provided.

604.11.4 Height. The height of water closets shall be 11 inches (280 mm) minimum and 17 inches (430 mm) maximum above the floor, measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.11.5 Grab Bars. Grab bars for water closets shall comply with Section 604.5.

604.11.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Sections 309.2 and 309.4 and shall be installed 36 inches (915 mm) maximum above the floor. Flush controls shall be located on the open side of the water closet.

EXCEPTION: In ambulatory accessible toilet compartments complying with Section 604.10, flush controls shall be permitted to be located on either side of the water closet.

604.11.7 Dispensers. Toilet paper dispensers shall comply with Section 309.4. Dispensers shall not be of a type that control delivery or do not allow continuous paper flow.

604.11.7.1 Location. The outlet of toilet paper dispensers shall be located within an area 24 inches (610 mm) minimum and 42 inches (1065 mm) maximum from the rear wall. The outlet of the dispenser shall be 14 inches (355 mm) minimum and 19 inches (485 mm) maximum above the floor. EXCEPTION: Toilet paper dispensers that accommodate a maximum of 2 toilet paper rolls of not more than 5-inch diameter each shall be permitted to be located 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 14 inches (355 mm) minimum and 19 inches (485 mm) maximum above the floor.

604.11.8 Toilet Compartments. Wheelchair and ambulatory accessible toilet compartments shall comply with Sections 604.9 and 604.10, as applicable.

### 605 Urinals

605.2 Height and Depth. Urinals shall be the stall-type or shall be of the wall-hung type with the rim 17 inches (430 mm) maximum above the floor. Urinals shall be 13 1/2 inches (345 mm) minimum in depth measured from the center face of the urinal rim to the finished wall surface.

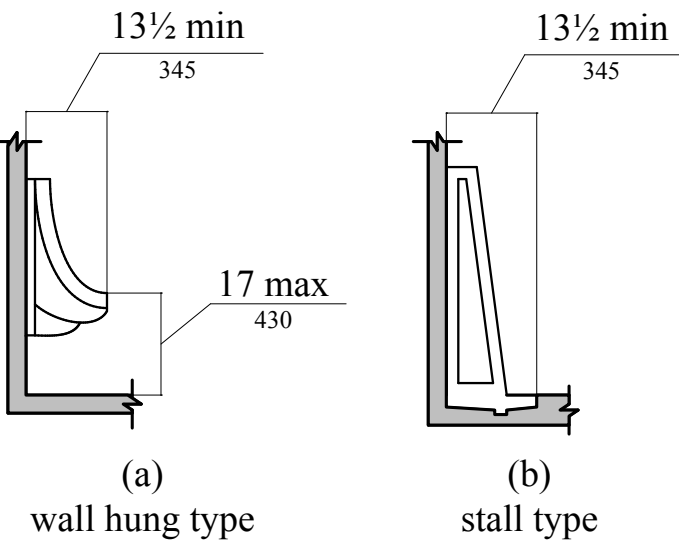


Figure 605.2 Height and Depth of Urinals

605.3 Clear Floor Space. A clear floor space positioned for forward approach shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 309.

### 606 Lavatories and Sinks

606.2 Clear Floor Space. A clear floor space complying with Section 305.3, positioned for forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The dip of the overflow shall not be considered in determining knee and toe clearances.

606.3 Height. The front of lavatories and sinks shall be 34 inches (865 mm) maximum above the floor, measured to the higher of the rim or counter surface.

606.4 Faucets. Faucets shall comply with Section 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.6 Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

### 608 Shower Compartments

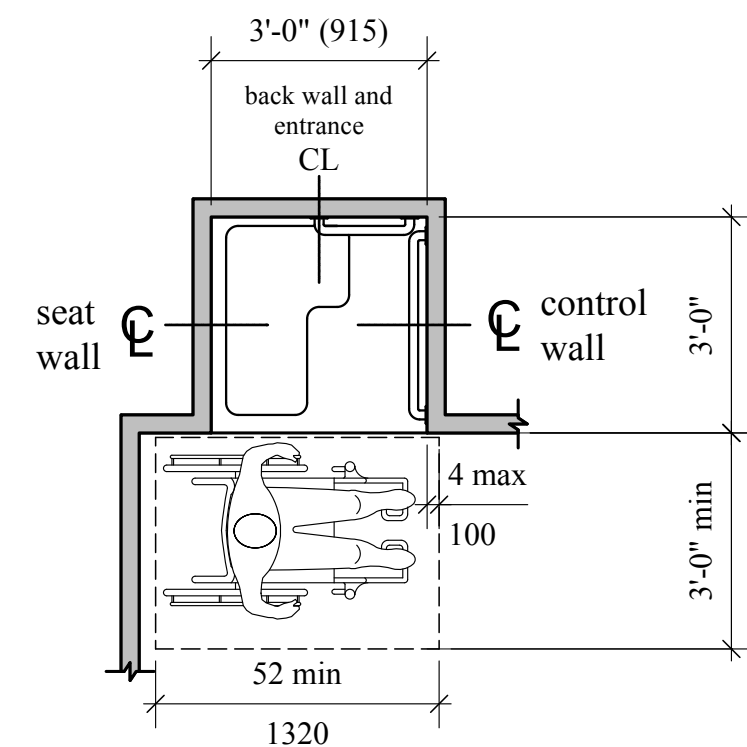
608.2 Size, Clearance and Seat. Shower compartments shall have sizes, clearances and seats complying with Section 608.2.

608.2.1 Transfer Type Shower Compartments. Transfer type shower compartments shall comply with Section 608.2.1.

608.2.1.1 Size. Transfer-type shower compartments shall have a clear inside dimension of 36 inches (915 mm) in width and 36 inches (915 mm) in depth, measured at the center point of opposing sides. An entry 36 inch (915 mm) minimum in width shall be provided.

### 608.2.1.2 Clearance

608.2.1.2.1 New Buildings and Facilities. In new buildings and facilities, a clearance of 36 inches (915 mm) minimum in depth and 52 inches (1320 mm) minimum in length shall be provided adjacent to the open face of the compartment. The length of the clear floor space shall be measured perpendicular from either the control wall or from 4 inches (100 mm) behind the control wall.

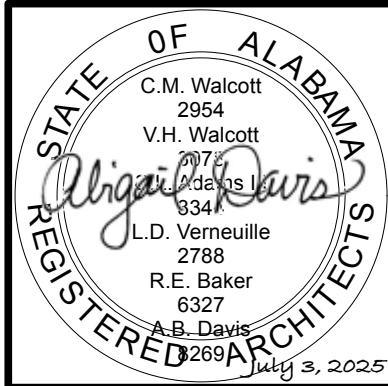


Note: inside finished dimensions measured at the center points of opposing sides

Figure 608.2.1.2 Transfer Type Shower Compartment Size and Clearances

**W**  
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ADAMS  
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1 SOUTH SCHOOL STREET  
FAIRHOPE, AL 36532  
(251) 928-6041



**Alabama State Port Authority**  
**ITC Fourth Floor Phase II**  
**Whole Building Fire Suppression System**  
International Trade Center  
250 North Water Street, Mobile, AL 36602

Date	July 3, 2025
Revised	
Revised	
Revised	
Revised	
Revised	
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**G2**  
Accessibility

**W**



GENERAL NOTES

SECTION 1 - GENERAL REQUIREMENTS

**1.01. COMPLETE CONTRACT DOCUMENTS:** COMPLETE DRAWINGS, SPECIFICATIONS, ADDENDA, AND CLARIFICATIONS ISSUED BY FIELD ORDER OR SIMILAR INSTRUMENTS CONSTITUTE THE CONTRACT DOCUMENTS AND SHALL REMAIN INTACT. GENERAL CONTRACTOR IS FULLY RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS INCLUDED, OR REASONABLY INFERRED THEREIN. CONSTRUCTION MANAGER OR GENERAL CONTRACTOR (AS APPLICABLE) MUST NOT ISSUE PARTIAL SETS OR OTHERWISE CAUSE INCOMPLETE CONTRACT INFORMATION TO BE PROVIDED TO PARTIES TO THE CONTRACT, INCLUDING ASSOCIATED SUB-CONTRACTORS, OR SUB-SUB-CONTRACTORS.

**1.02. MULTI-TRADE COORDINATION:** ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCES AND CONFLICTS. NO ALLOWANCES WILL BE MADE FOR CONTRACTOR'S FAILURE TO COORDINATE BETWEEN MULTIPLE DISCIPLINES, SYSTEMS OR EQUIPMENT. UNCOORDINATED WORK THAT RESULTS IN THE INEFFICIENT USE OF AVAILABLE SPACE AND / OR ENCROACHES ON THE WORK OF OTHER TRADES WILL BE SUBJECT TO REJECTION AND RE-INSTALLATION.

**1.03. VERIFICATION:** GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, CONSTRUCTION, MATERIALS, METHODS OF CONSTRUCTION, GRADES AND ELEVATIONS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS WITHIN THE DOCUMENTS PRIOR TO BID, CONSTRUCTION, AND/OR INSTALLATION OF ASSOCIATED WORK. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE THAT THE EXISTING CONDITIONS ARE CONSISTENT WITH THOSE OF THE CONTRACT DOCUMENTS. ANY CHANGE ORDER REQUEST ASSOCIATED WITH AN IDENTIFIABLE EXISTING CONDITION, WHETHER IN CONFLICT OR COMPLIANCE WITH THE CONTRACT DOCUMENTS, WILL NOT BE ACCEPTED. THIS PROVISION SHALL NOT APPLY TO WORK PERFORMED UNDER UNIT PRICE OR ALLOWANCE FEE STRUCTURES.

**1.04. DISCREPANCIES:** GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT PROMPTLY UPON IDENTIFICATION OF ANY DISCREPANCIES OR CONFLICTS IN THE CONTRACT DOCUMENTS, WITH THE OBJECTIVE OF RESOLVING THE CONFLICT OR DISCREPANCY IN A TIMELY MANNER AND PRIOR TO ANY IMPACT TO CONTRACT TIME OR CONTRACT COST. GENERAL CONTRACTOR SHALL INCLUDE THE MORE EXPENSIVE, COMPLEX, AND TIME CONSUMING COMPONENTS OF ANY DISCREPANCIES IN THE BASE BID PRICE. FAILURE TO NOTIFY THE ARCHITECT PROMPTLY OF A KNOWN DISCREPANCY CONSTITUTES ACCEPTANCE OF FULL RESPONSIBILITY FOR THE ASSOCIATED COST AND SCHEDULE IMPACT.

**1.05. DRAWING SCALE:** REPROGRAPHICS TECHNIQUES MAY RENDER DRAWINGS DIFFERENTLY THAN THE INTENDED PRINTED SCALE. THEREFORE, DO NOT RELY UPON THE SCALE OF ANY PRINTED DRAWINGS. CONTACT THE ARCHITECT FOR REQUIRED DIMENSIONS THAT ARE NOT PROVIDED CLEARLY IN NUMERIC FORM HEREIN. FAILURE TO REQUEST CRITICAL DIMENSIONAL INFORMATION FROM THE ARCHITECT MAY RESULT IN THE REJECTION OF INSTALLED WORK.

**1.06. DIMENSIONAL STANDARDS:** STANDARD DIMENSION CONVENTIONS UTILIZED HEREIN CALL FOR DIMENSIONS TO FACE OF STUD (MASONRY) OF FINISHED PARTITION, FACE OF FINISH, OR CENTERLINE OF COLUMN LINE OR OTHER REFERENCE LINE, UNLESS OTHERWISE NOTED OR GRAPHICALLY ILLUSTRATED. DIMENSIONS NOTED AS "CLEAR", "MIN", OR "MAX" SHALL BE STRICTLY ENFORCED.

**1.07. PERMITTING:** THE GENERAL CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY AND REQUIRED PERMITS AND APPROVALS FROM JURISDICTIONAL AUTHORITIES, PRIOR TO COMMENCING THE WORK. THIS REQUIREMENT SHALL APPLY TO ON-SITE AND OFF-SITE WORK REQUIRED BY THE CONTRACT DOCUMENTS.

**1.08. CODE COMPLIANCE:** THE WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE LAWS, CODES, AND ORDINANCES. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL PERFORM THEIR WORK IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES, LAWS, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL CAREFULLY READ AND FAMILIARIZE THEMSELVES WITH THE CODE COMPLIANCE DATA INCLUDED IN THE DRAWINGS AND SPECIFICATIONS.

**1.09. NON-COMBUSTIBLE CONSTRUCTION TYPES:** THE PROPOSED BUILDING STRUCTURE IS NON-COMBUSTIBLE IN ACCORDANCE WITH APPLICABLE CODES, AND THEREFORE REQUIRES NON-COMBUSTIBLE CONSTRUCTION TECHNIQUES. ALL NEW CONSTRUCTION SHALL BE IN COMPLIANCE WITH APPLICABLE REQUIREMENTS, INCLUDING WOOD BLOCKING, FURRING, FRAMING, SHEATHING, BACK-BOARDS, AND RELATED WORK. FIRE RETARDANT TREATED [FRT] IS PERMITTED WHERE ALLOWED BY CODE. SEE CODE COMPLIANCE DRAWINGS FOR DETAILED INFORMATION AND REQUIREMENTS.

**1.10. LIFE-SAFETY MEASURES DURING CONSTRUCTION:** THE GENERAL CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS REQUIRED BY OSHA, CODE, AND OTHER APPLICABLE REGULATORY AUTHORITIES.

**1.11. MEANS OF EGRESS:** THE GENERAL CONTRACTOR SHALL MAINTAIN CLEAR AND UNOBSTRUCTED MEANS OF EGRESS AT ALL TIMES DURING CONSTRUCTION, WITHOUT EXCEPTION.

**1.12. CONSTRUCTION LOADS:** THE GENERAL CONTRACTOR SHALL NEVER LOAD NEW OR EXISTING CONSTRUCTION BEYOND ITS DESIGN CAPACITY WITH STORED MATERIAL, CONSTRUCTION EQUIPMENT, TEMPORARY LOADS ASSOCIATED WITH MATERIAL MOVEMENT, HOISTING, STORAGE, OR SIMILAR CONDITIONS.

**1.13. GENERAL CLEAN-UP:** THE GENERAL CONTRACTOR SHALL INCLUDE ONGOING CLEAN-UP OF THE PROPERTY AND BUILDING, INCLUDING REMOVAL OF TRASH AND WASTE MATERIALS, ON A REGULAR BASIS DURING CONSTRUCTION. RECYCLING OF CONSTRUCTION WASTE IS ENCOURAGED.

**1.14. OWNER FURNISHED EQUIPMENT:** LOOSE FURNISHINGS, WORKSTATIONS, OFFICE EQUIPMENT, COPIERS, VENDING MACHINES, KITCHEN EQUIPMENT, AND SIMILAR ITEMS THAT ARE BOTH LABELED "OWNER FURNISHED" OR "OF / OF", AND SHOWN DASHED OR IN GRAY-TONE SHALL BE CONSIDERED OWNER-FURNISHED EQUIPMENT. OWNER- FURNISHED EQUIPMENT IS SHOWN FOR THE GENERAL CONTRACTOR'S KNOWLEDGE AND UNDERSTANDING TO FACILITATE COORDINATION WITH THE OWNER'S WORK. THE GENERAL CONTRACTOR SHALL CAREFULLY REVIEW THE SCOPE OF WORK, AND REQUEST CLARIFICATION FROM THE ARCHITECT IN THE EVENT OF ANY UNCERTAINTY ABOUT THE DEFINITION OF OWNER FURNISHED WORK.

SECTION 3 - WOOD, PLASTICS & COMPOSITES

**3.01. WOOD IN CONTACT WITH CONCRETE/MASONRY:** ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY CONSTRUCTION SHALL BE PRESSURE TREATED [PT] UNLESS OTHERWISE NOTED TO BE FIRE RETARDANT TREATED [FRT].

**3.02. FIELD VERIFICATION:** THE CASEWORK OR MILLWORK CONTRACTOR SHALL OBTAIN AND VERIFY ALL FIELD MEASUREMENTS AND CONDITIONS AFFECTING HIS WORK AND SHALL BE RESPONSIBLE FOR ALL DETAILS AND DIMENSIONS ASSURING PRECISION AND PROPER ASSEMBLY OF HIS PRODUCTS.

**3.03. MILLWORK BASE:** PROVIDE FINISHED BASE TO MATCH MATERIAL AND FINISH OF ADJACENT SCHEDULED WALL BASE ON TOE-KICK AT ALL EXPOSED FRONT, SIDE, AND REAR FACES OF MILLWORK OR CASEWORK.

**3.04. MILLWORK SPLASH:** PROVIDE BACKSPLASH AT ALL COUNTERTOPS UNLESS OTHERWISE INDICATED ON PLAN. PROVIDE SIDE SPLASH OF SAME MATERIAL, DIMENSION, AND FINISH EVERYWHERE A COUNTERTOP BACKSPLASH ABUTS A VERTICAL WALL SURFACE AT ONE OR MORE OF ITS SIDES UNLESS OTHERWISE INDICATED ON PLAN.

SECTION 4 - THERMAL & MOISTURE PROTECTION

**4.01. GENERAL SEALANTS:** CONTINUOUSLY SEAL PERIMETER OF ALL DOOR AND WINDOW FRAMES, MILLWORK AND CASEWORK, TRIM, CABINETS, AND SIMILAR FIXED CONSTRUCTION WITH PAINTABLE, SILICONIZED LATEX SEALANT. ALL VERTICAL SURFACE CONTROL AND EXPANSION JOINTS AT MASONRY WALLS SHALL BE CONTINUOUSLY SEALED, BOTH SIDES OF JOINT.

**4.02. SLOPE TO DRAIN:** ALL ROOF SURFACES SHALL BE SLOPED TO DRAIN, WITH MINIMUM PITCH OF 1/4" PER LINEAR FOOT. PROVIDE TAPERED INSULATION, CRICKETS AS NECESSARY TO ASSURE THE MINIMUM SLOPE IS ACHIEVED.

**4.03. WALK-PADS:** FURNISH AND INSTALL COMPATIBLE ROOF WALK-PADS AT ALL MEMBRANE ROOF SURFACES THAT ARE TRAVELED TO ACCESS SERVICEABLE ROOFTOP EQUIPMENT SUCH AS HVAC UNITS, FANS, ELECTRICAL EQUIPMENT, AND SIMILAR EQUIPMENT REQUIRING SERVICE ACCESS.

**4.04. EXPANSION JOINTS COVERS:** ALL BUILDING EXPANSION JOINTS EXPOSED TO VIEW IN FLOOR, PARTITION, AND / OR CEILING ASSEMBLIES SHALL RECEIVE COLOR-COORDINATED PRE-FABRICATED EXPANSION JOINT COVER ASSEMBLY DESIGNED TO ALLOW THE REQUIRED MOVEMENT, AND TO PROVIDE UL APPROVED FIRE RATED ASSEMBLY WHERE REQUIRED.

SECTION 5 - THERMAL & MOISTURE PROTECTION

**5.01. FIRE DOORS AND FRAMES:** ALL FIRE DOORS AND FRAMES SHALL BE LABELED BY AN APPROVED AGENCY PER NFPA 80, AND SHALL BE PERMANENTLY AFFIXED THERETO, AND THE LIFE OF THE LABEL AND THE ATTACHMENT THEREOF CAN REASONABLY BE EXPECTED TO EQUAL THE LIFE OF THE COMPONENT TO WHICH IT IS ATTACHED. LABELS MUST BE PROVIDED BY A MANUFACTURER THAT HAS BEEN APPROVED BY A LABORATORY OR ORGANIZATION TO PROVIDE TESTING AND FOLLOW-UP SERVICES FOR FIRE-RATED OPENING ASSEMBLIES. LABELS SHALL BE RAISED OR EMBOSSED ON METAL LABELS OR STAMPED INTO METAL FRAMES. PLASTIC OR PAPER LABELS ARE UNACCEPTABLE. THE LABEL MUST BE VISIBLE AND LEGIBLE AT ALL TIMES AND SHALL NOT BE PAINTED. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL REQUIRE PAINTER TO REIMBURSE OWNER FOR COSTS OF RE-LABELING RATED DOORS AND FRAMES. ALL LABELS SHALL INCLUDE THE FIRE RESISTANCE RATING IN HOURS AND/OR MINUTES. LABELS ON FRAMES WITH TRANSOMS AND/OR SIDELIGHTS MUST IDENTIFY THAT THE OPENING ASSEMBLY INCLUDES SAME.

**5.02. TEMPERED GLASS:** PROVIDE TEMPERED SAFETY GLASS EVERYWHERE REQUIRED BY APPLICABLE CODE, INCLUDING ANY GLASS IN DOORS, OPERABLE WINDOWS, ADJACENT TO DOORS OR OPERABLE WINDOWS, WITHIN 36" OF THE ADJACENT FLOOR OR GRADE LEVEL, OR OTHERWISE WHERE REQUIRED BY CODE.

**5.03. BLOCKING:** FURNISH AND INSTALL BLOCKING IN METAL STUD FRAMED WALLS AND PARTITIONS THAT ARE SCHEDULED TO RECEIVE DOOR BUMPERS / STOPS, MAGNETIC LOCK DEVICES, AND SIMILAR DOOR RELATED DEVICES THAT WILL SUBJECT THE PARTITION TO DOOR MOVEMENT LOADS AND IMPACT.

**5.04. HOLLOW METAL FRAMES:** COORDINATE THE THROAT DEPTH OF ALL HOLLOW METAL FRAMES WITH THE DEPTH OF THE PARTITION SCHEDULED TO RECEIVE THE DOOR OR WINDOW FRAME.

SECTION 6 - FINISHES

**6.01. INDOOR ENVIRONMENTAL CONDITIONS:** NO INTERIOR SOFT CONSTRUCTION [I.E.DRYWALL, CEILINGS, CARPET, MILLWORK, OR SIMILAR WORK THAT IS SUBJECT TO TEMPERATURE AND HUMIDITY INSTABILITY] SHALL COMMENCE, NOR SHALL MATERIALS BE STORED ON SITE, UNTIL STABLE INTERIOR ENVIRONMENTAL CONDITIONS ACCEPTABLE TO THE PRODUCT MANUFACTURER ARE PROVIDED AND IN PLACE FOR A DURATION SUFFICIENT TO ESTABLISH CONSISTENT AND ACCEPTABLE INDOOR TEMPERATURE AND HUMIDITY LEVELS. FAILURE TO PROVIDE AN INDOOR ENVIRONMENT IN STRICT COMPLIANCE WITH THE PRODUCT MANUFACTURERS PRINTED REQUIREMENTS WILL SUBJECT THE INSTALLING CONTRACTOR TO FULL RESPONSIBILITY FOR ANY COSTS ASSOCIATED WITH RE-WORK DUE TO MOLD OR MILDEW GROWTH , WARPING, CUPPING, DE-LAMINATION, OR SIMILAR DETERIORATION OF THE STORED OR INSTALLED CONSTRUCTION.

**6.02. FLOOR & WALL TILE:** INSTALL FLOOR AND WALL TILE IN ALL SCHEDULED AREAS IN ACCORDANCE WITH APPLICABLE TILE COUNCIL OF AMERICA (TCA) METHOD.

**6.03. FLOOR FINISH TRANSITIONS:** UNLESS OTHERWISE INDICATED, TRANSITION FLOOR FINISHES AT CENTERLINE OF DOOR IN CLOSED LOCATION. TRANSITION FLOOR MATERIAL UNDER CENTER OF DOORS & WHERE NOTED. PROVIDE SCHEDULED TRANSITION MATERIALS AT CHANGES IN FLOOR MATERIAL TYPE.

**6.04. EQUIPMENT ACCESS DOORS:** THE GENERAL CONTRACTOR SHALL PROVIDE PROPOSED LOCATION OF CEILING ACCESS DOORS TO THE ARCHITECT FOR APPROVAL. ACCESS DOORS SHALL BE PAINTED TO MATCH ADJACENT FINISH.

SECTION 6 - FINISHES CONTINUED

**6.05. PARTITION COORDINATION WITH OTHER TRADES:**  
(A) COORDINATE BETWEEN TRADES BEFORE FRAMING PARTITIONS. PARTITION FRAMING SHALL BE LAID OUT SO AS TO PERMIT THE INSTALLATION OF PIPING, CONDUITS, AND DUCTWORK WITH A MINIMUM OF CUTTING BY OTHER TRADES.

(B) EXCEPT FOR PIPING LOCATED IN EQUIPMENT ROOMS, ALL PIPING INSIDE THE BUILDING SHALL BE CONCEALED WITHIN PARTITIONS AND FURRED SPACES. WHERE IT OCCURS THAT PIPING CANNOT BE EASILY CONCEALED, NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION. IN ANY CASE, SUCH PIPING SHALL BE CONCEALED AT NO ADDITIONAL COST.

(C) COORDINATE WITH OTHER TRADES AND OWNERS' SCHEDULED EQUIPMENT VENDORS FOR SUPPORT REQUIREMENTS OF WALL-MOUNTED AND SUSPENDED ITEMS. SIZE STUD GAUGE AND SPACING TO SUPPORT ANY ADDITIONAL LOADS IMPOSED BY THESE ITEMS. MAX. DEFLECTION L/360 @ 5 PSF HORIZ. LOAD.

(D) PROVIDE AND INSTALL ALL BLOCKING, STIFFENERS, BRACES, BACK-UP PLATES, AND SUPPORTING BRACKETS AS REQUIRED FOR THE INSTALLATION OF WALL-MOUNTED OR SUSPENDED MECHANICAL ELECTRICAL, CASEWORK, MILLWORK AND ANY OTHER MISCELLANEOUS EQUIPMENT OR WALL-MOUNTED ACCESSORIES.

(E) FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIERS SHALL BE PERMANENTLY LABELED IN RED STENCILED LETTERING ABOVE FINISHED CEILING AT 1'-0" ABOVE CEILING AND/OR IN ACCORDANCE WITH LOCAL JURISDICTION.

SECTION 7 - FIRE PROTECTION

**7.01. FIRE PROTECTION SYSTEMS:** WHERE REQUIRED, INSTALL FIRE PROTECTION SYSTEMS IN STRICT ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES, INCLUDING NFPA. ALL EQUIPMENT UTILIZED IN THE FIRE PROTECTION SYSTEM SHALL BE LISTED BY UNDERWRITER'S LABORATORIES [UL].

**7.02. FIRE PROTECTION SYSTEM DESIGN:** WHERE DESIGN OF THE FIRE PROTECTION SYSTEM IS THE RESPONSIBILITY OF THE CONTRACTOR AS REQUIRED BY A PERFORMANCE SPECIFICATION, THE SYSTEM DESIGN SHALL BE SUPERVISED BY AN INDIVIDUAL WHO IS A REGISTERED FIRE PROTECTION ENGINEER AND / OR IS CERTIFIED AT LEVEL III OR HIGHER IN FIRE PROTECTION ENGINEERING TECHNOLOGY AUTOMATIC SPRINKLER SYSTEM LAYOUT BY THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGY (NICET).

**7.03. FIRE PROTECTION PIPING:** SPRINKLER PIPING SHALL BE UNENCUMBERED BY THE WORK OF ANY OTHER TRADE THROUGHOUT THE ENTIRE BUILDING. UNDER NO CIRCUMSTANCES SHALL ANYTHING BE SUPPORTED BY, DRAPED OVER, TIED-OFF TO, OR SUSPENDED BY, SPRINKLER PIPING. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO CONTINUOUSLY MONITOR ONGOING WORK IN THE VICINITY OF SPRINKLER PIPING AND SHALL DIRECT ANY OTHER CONTRACTOR OR TRADESMAN TO IMMEDIATELY REMOVE AND RE-INSTALL ANY ITEM NOT IN COMPLIANCE WITH THIS REQUIREMENT.

SECTION 8 - HVAC/PLUMBING

**8.01. CONCEALED PIPING:** ALL PIPING, DUCTWORK, ELECTRICAL RACEWAYS & CONDUITS SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION UNLESS NOTED OTHERWISE ON DRAWINGS. THE GENERAL CONTRACTOR SHALL INCLUDE, IN THE BASE BID, REQUIRED FURRING TO CONCEAL THESE SYSTEMS WHETHER OR NOT THE FRAMING AND FURRING IS ILLUSTRATED IN THE DRAWINGS.

**8.02. PLUMBING FIXTURES:** CAREFULLY REVIEW THE DIMENSIONAL STANDARDS FOR INSTALLED PLUMBING FIXTURES, AND PLAN THE WORK TO ASSURE FULL COMPLIANCE OF CODE REQUIRED FIXTURE CLEARANCES.

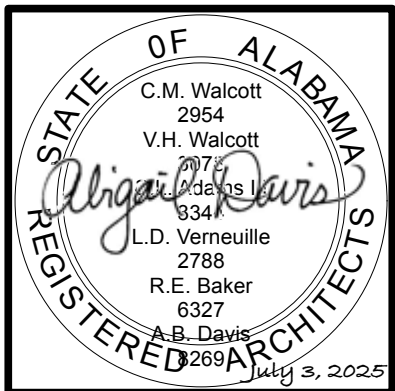
SECTION 9 - ELECTRICAL

**9.01. MEP DEVICE / FIXTURE COORDINATION:** COORDINATE LOCATIONS FOR DIFFUSERS, AND RETURN AIR GRILLES TO THE GREATEST EXTENT POSSIBLE IN ORDER TO MAINTAIN LIGHTING LAYOUT INDICATED IN THE DRAWINGS. MEP & FP CONTRACTORS SHALL COORDINATE WORK WITH OTHER TRADES PRIOR TO INSTALLATION.

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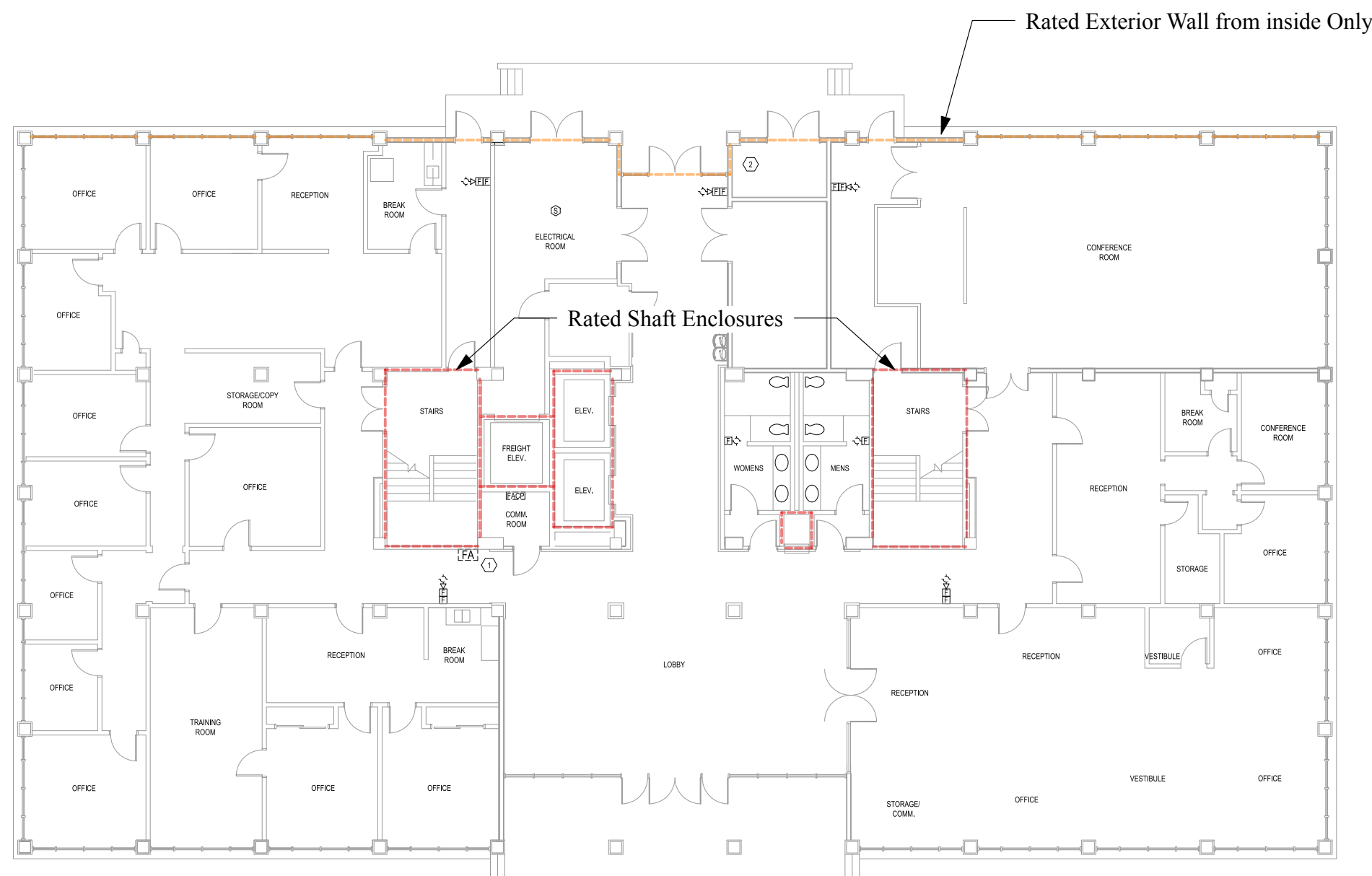
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General Notes

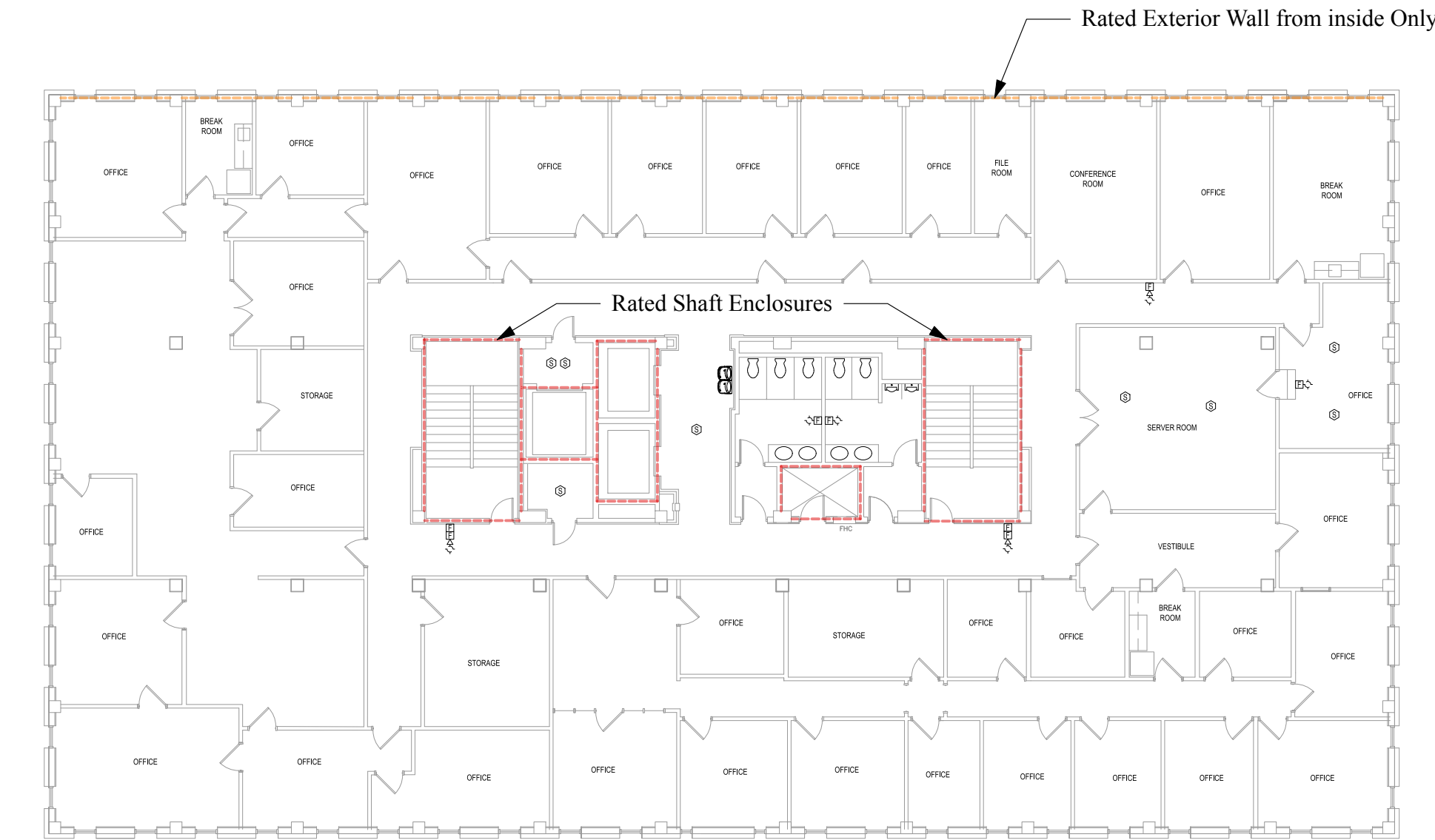
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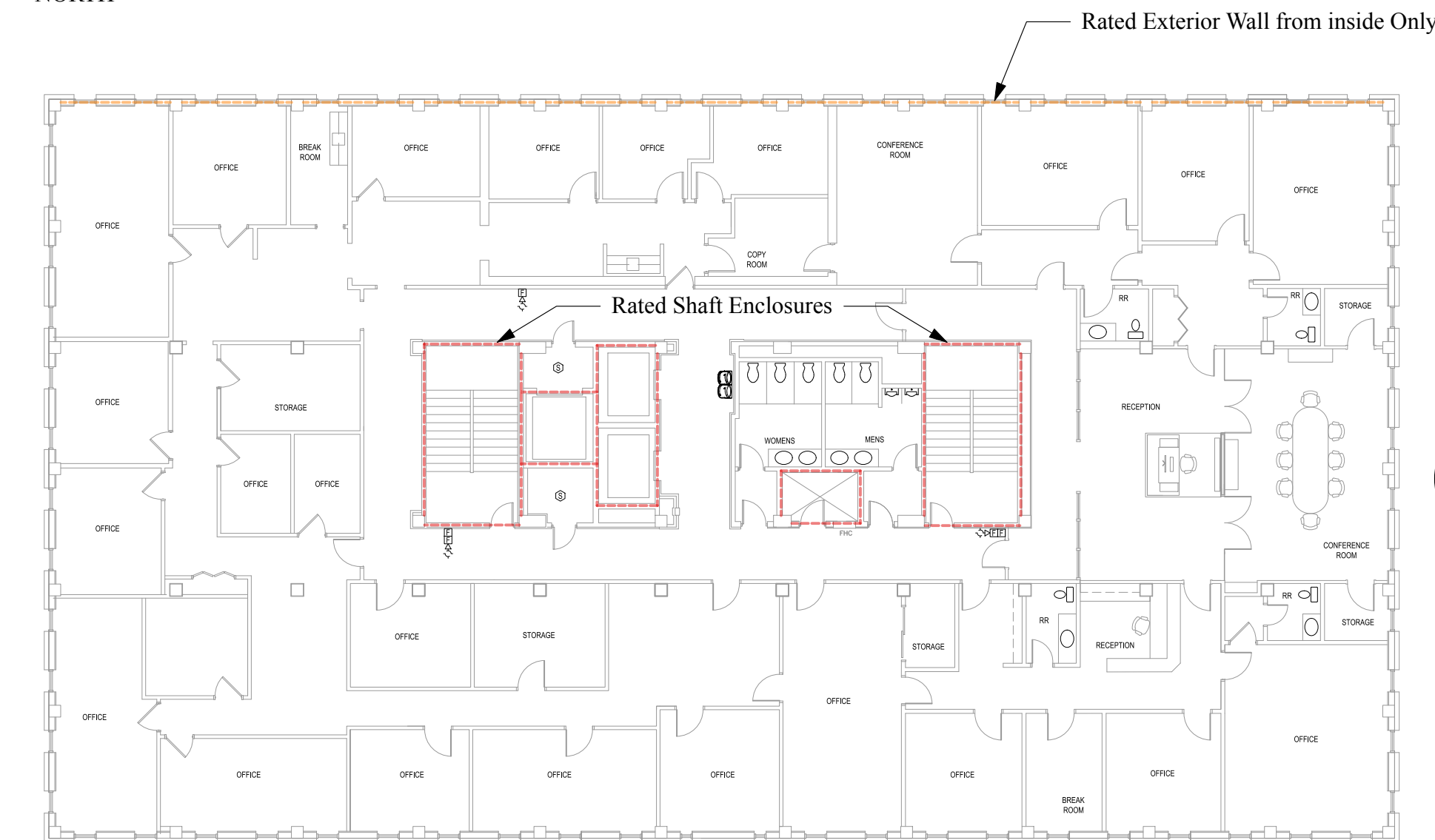




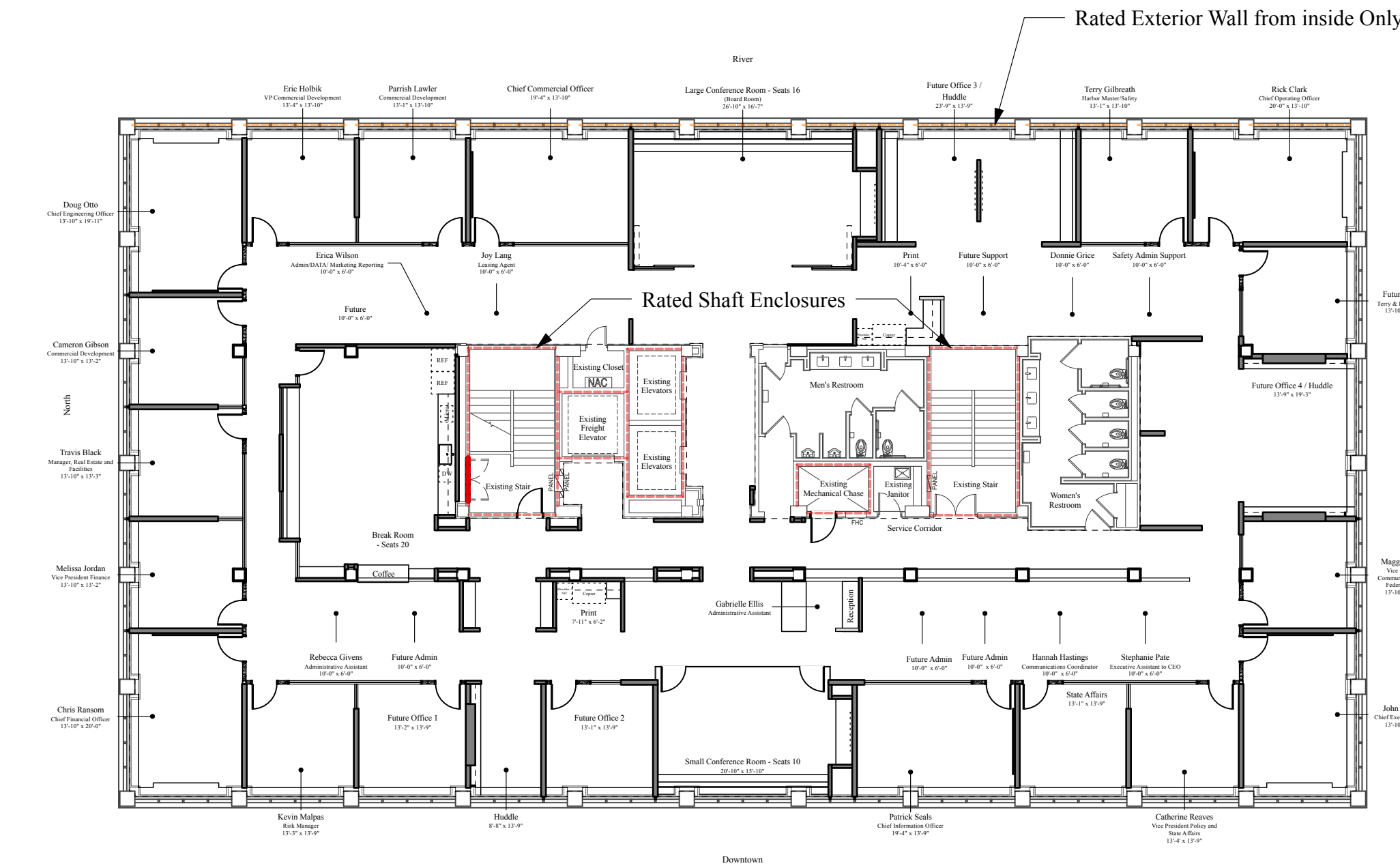
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1/16"=1'-0"



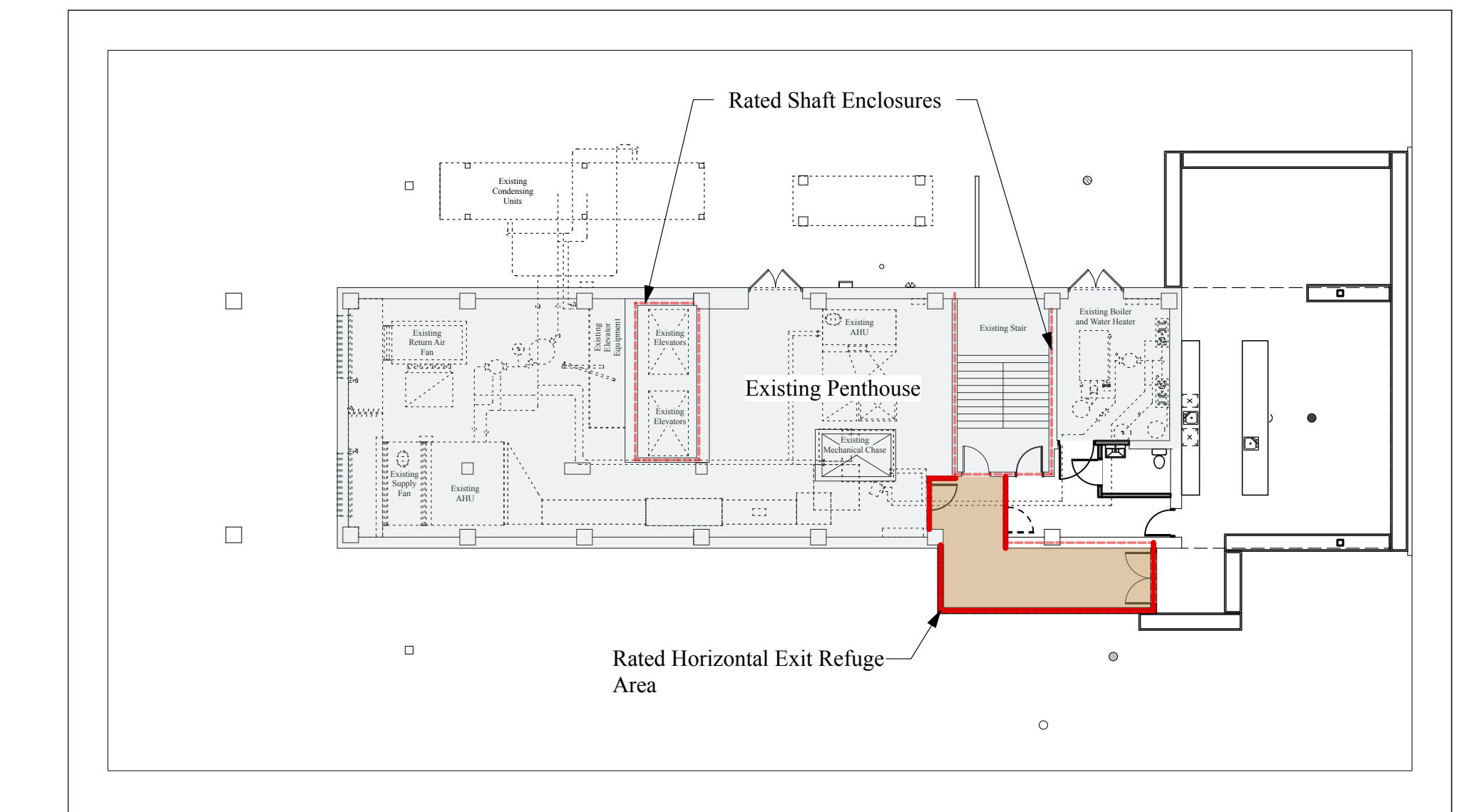
**Level 2 Reference Plan**  
1/16"=1'-0"



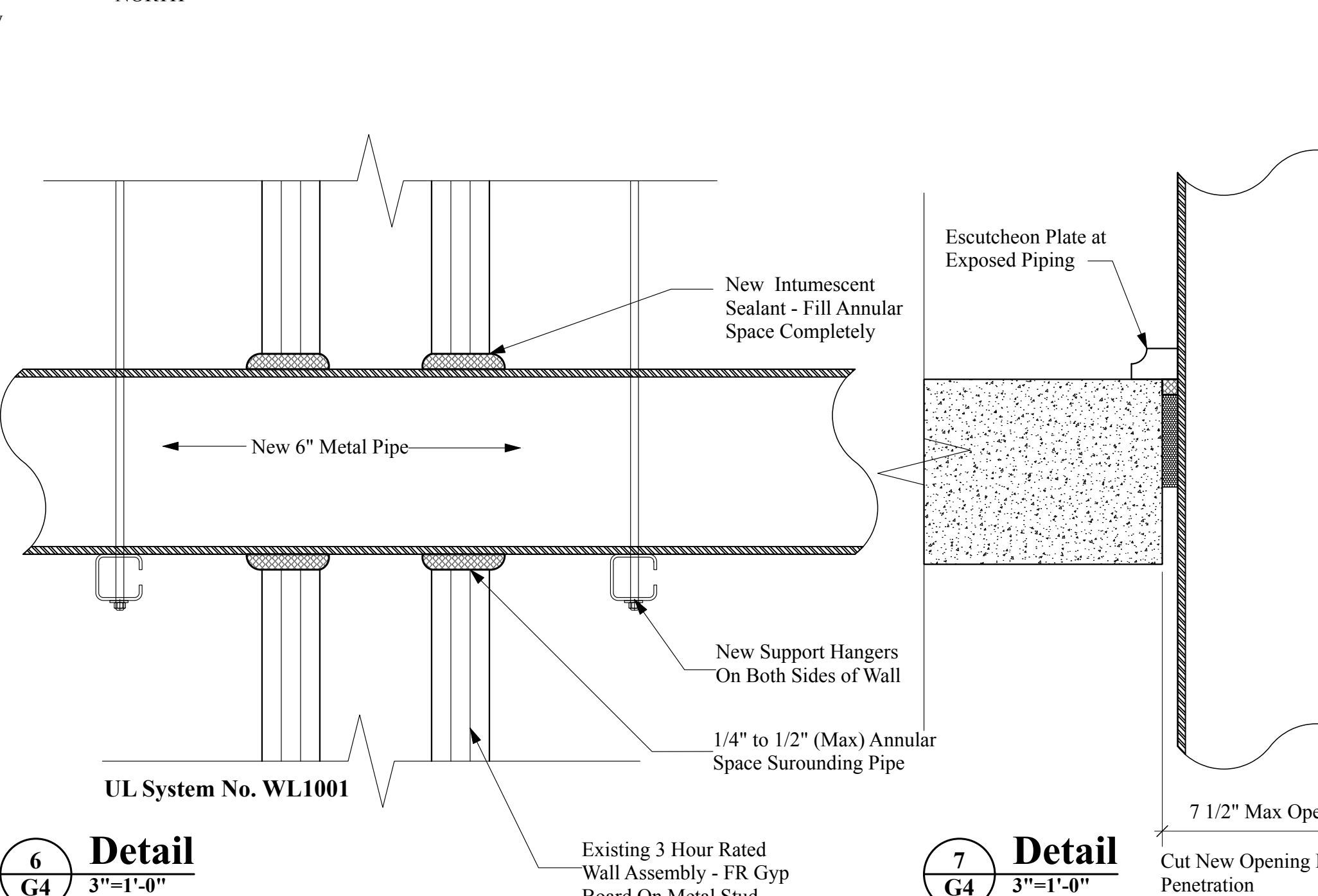
**Level 3 Reference Plan**  
1/16"=1'-0"



**Level 4 Reference Plan**  
1/16"=1'-0"



**Roof Reference Plan**  
1/16"=1'-0"



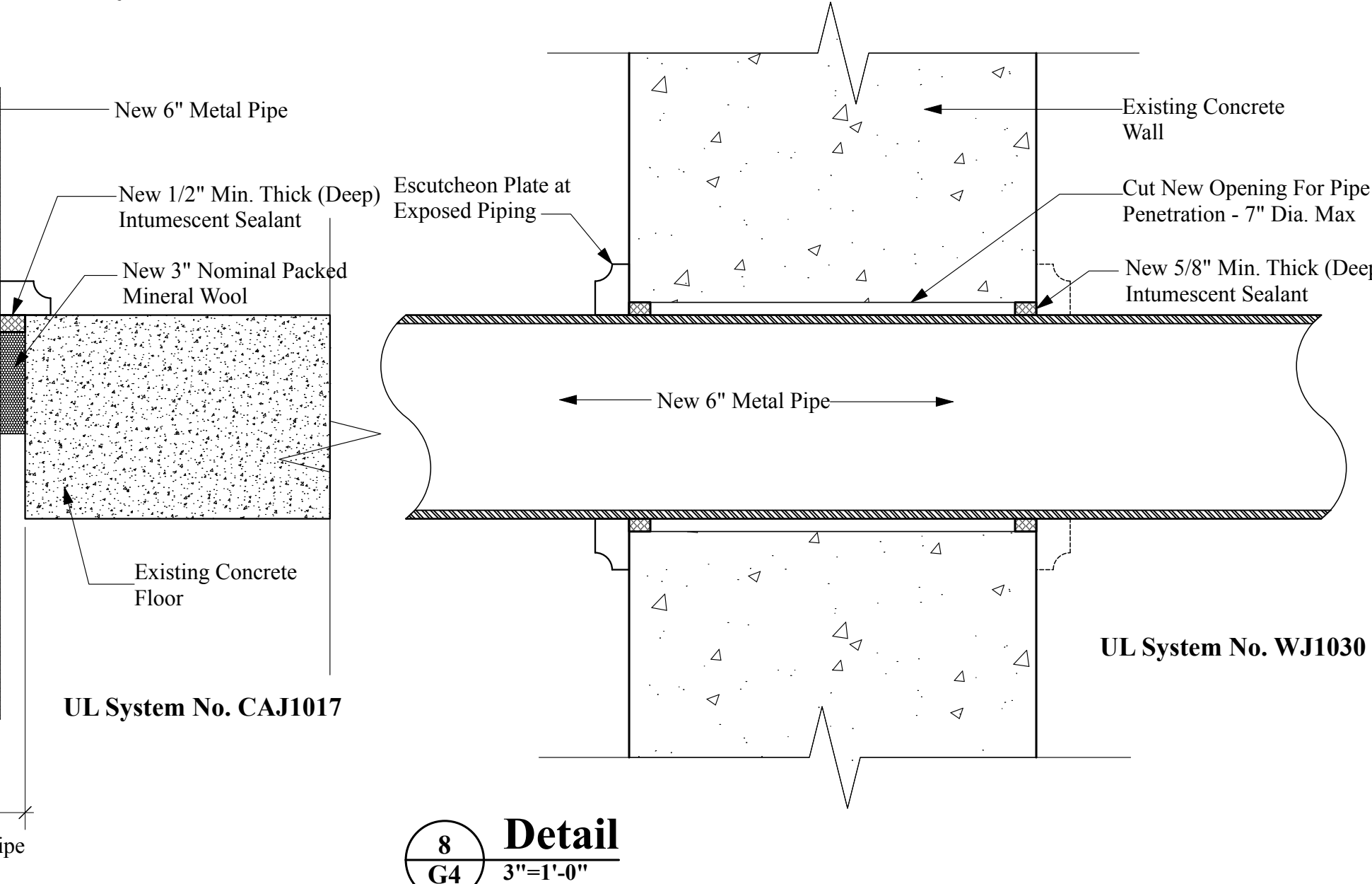
**Detail 6**  
3"=1'-0"

### Life Safety Plan Legend

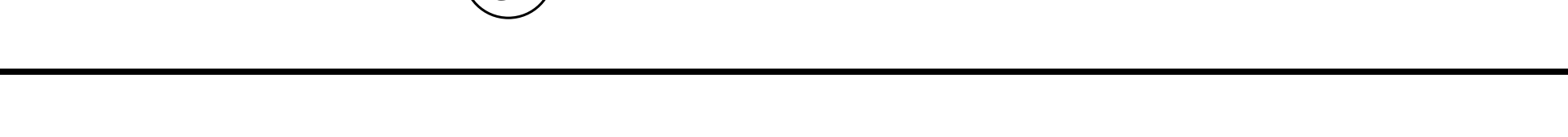
- New Walls:**
- New 2 HR Rated Fire Wall
  - New 1 Hr Fire/Smoke Rated Wall
- Assumptions of Existing Conditions:**
- Existing 2 HR Fire Rated Wall
  - Existing 1 HR Fire Rated Wall
- Travel Distance**
- Exit Door
  - Existing Exit

### General Notes

- THIS SHEET USES COLOR GRAPHICS AND IS INTENDED TO BE PRINTED IN COLOR.
- THIS BUILDING IS AN EXISTING FOUR STORY OFFICE BUILDING. ALL REFERENCES IN THESE DRAWINGS TO EXISTING CONSTRUCTION CONDITIONS, SUCH AS CONSTRUCTION TYPES AND FIRE PROTECTION, ARE FROM LIMITED OBSERVATIONS OF EXISTING CONDITIONS.
- REMOVE, RETAIN, STORE, AND PROTECT EXISTING LAY-IN CEILING TILE AND GRID AS REQUIRED FOR THE INSTALLATION OF NEW PIPING AND WIRING. REINSTALL CEILING UPON FINAL INSPECTION.
- REMOVE EXISTING GYPSUM WALLBOARD CEILING AS REQUIRED FOR THE PIPING AND WIRING/CONDUIT INSTALLATION. REPLACE GYPSUM WALLBOARD TO MATCH EXISTING CONSTRUCTION. REPAINT ENTIRE GYPSUM WALLBOARD CEILINGS TO MATCH EXISTING.
- ALL PIPING AND ELECTRICAL RACEWAYS AND CONDUITS SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL INCLUDE, IN THE BASE BID, REQUIRED FURRING TO CONCEAL THESE SYSTEMS WHETHER OR NOT THE FRAMING AND FURRING IS ILLUSTRATED IN THE DRAWINGS.
- PENETRATIONS INTO ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND RAMPS, INTERIOR EXIT STAIRWAYS AND RAMPS, AND EXIT PASSAGEWAYS SHALL BE ALLOWED ONLY AS FOLLOWS: FIRE PROTECTION SYSTEMS
- CENTER SPRINKLER HEADS, FIRE ALARM DEVICES, ETC. IN CEILING PANELS IF NOT OTHERWISE INDICATED.
- FOURTH FLOOR AND ROOFTOP ARCHITECTURAL DESIGN WORK IS ONGOING AS PART OF A SEPARATE PROJECT. FOURTH FLOOR AND ROOFTOP FIRE ALARM COMPONENTS AND SPRINKLER PIPING TO BE COORDINATED WITH PHASE OF FOURTH FLOOR AND ROOFTOP CONSTRUCTION AT TIME OF INSTALLATION. IF CEILINGS AND WALLS ARE NOT YET INSTALLED AT TIME OF FOURTH FLOOR AND ROOFTOP FIRE ALARM AND SPRINKLER WORK, INSTALLATION WILL NEED TO BE PHASED.
- LEVELS 1-3 SPACES ARE TO REMAIN IN USE DURING CONSTRUCTION. COORDINATE PHASED AREAS OF WORK AND SEPARATION WITH OWNER.
- WHERE PENETRATING ITEMS ARE STEEL, FERROUS OR COPPER PIPES, TUBES OR CONDUITS, THE ANNULAR SPACE BETWEEN THE PENETRATING ITEM AND THE FIRE-RESISTANCE-RATED WALL IS PERMITTED TO BE PROTECTED BY EITHER OF THE FOLLOWING MEASURES:
  - IN CONCRETE OR MASONRY WALLS WHERE THE PENETRATING ITEM IS A MAX OF 6" NOMINAL DIAMETER AND THE AREA OF THE OPENING THROUGH THE WALL DOES NOT EXCEED 144 SQUARE INCHES, CONCRETE, GROUT OR MORAR IS PERMITTED WHERE INSTALLED THE FULL THICKNESS OF THE WALL OR THE THICKNESS REQUIRED TO MAINTAIN THE FIRE-RESISTANCE RAITING.
  - THE MATERIAL USED TO FILL THE ANNULAR SPACE SHALL PREVENT THE PASSAGE OF FLAME AND HOT GASES SUFFICIENT TO IGNITE COTTON WASTE WHEN SUBJECTED TO ASTM E119 OR UL 263 TIME-TEMPERATURE FIRE CONDITIONS UNDER A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01" OF WATER AT THE LOCATION OF THE PENETRATION FOR THE TIME PERIOD EQUIVALENT TO THE FIRE-RESISTANCE RATING OF THE CONSTRUCTION PENETRATED.
- MEMBRANE PENETRATIONS:
  - MEMBRANE PENETRATIONS OF MAX 2-HOUR FIRE-RESISTANCE-RATED WALLS AND PARTITIONS BY STEEL ELECTRICAL BOXES THAT DO NOT EXCEED 16 SQUARE INCHES IN AREA, PROVIDED THAT THE AGGREGATE AREA OF THE OPENINGS THROUGH THE MEMBRANE DOES NOT EXCEED 100 SQUARE INCHES IN ANY 100 SF OF WALL AREA. THE ANNULAR SPACE BETWEEN THE WALL MEMBRANE AND THE BOX SHALL NOT EXCEED 1/8". SUCH BOXES ON OPPOSITE SIDES OF THE WALL OR PARTITION SHALL BE SEPARATED AS LISTED IN IBC 714.4.2.
  - MEMBRANE PENETRATIONS BY LISTED ELECTRICAL BOXES OF ANY MATERIAL, PROVIDED THAT SUCH BOXES HAVE BEEN TESTED FOR USE IN FIRE-RESISTANCE-RATED ASSEMBLIES AND ARE INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS INCLUDED IN THE LISTING. THE ANNULAR SPACE BETWEEN THE WALL MEMBRANE AND THE BOX SHALL NOT EXCEED 1/8" UNLESS LISTED OTHERWISE. SUCH BOXES ON OPPOSITE SIDES OF THE WALL OR PARTITION SHALL BE SEPARATED AS LISTED IN IBC 714.4.2.
  - MEMBRANE PENETRATIONS BY ELECTRICAL BOXES OF ANY SIZE OR TYPE, THAT HAVE BEEN LISTED AS PART OF A WALL OPENING PROTECTIVE MATERIAL SYSTEM FOR USE IN FIRE-RESISTANCE-RATED ASSEMBLIES AND ARE INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS INCLUDED IN THE LISTING.
  - MEMBRANE PENETRATIONS BY BOXES OTHER THAN ELECTRICAL BOXES, PROVIDED THAT SUCH PENETRATING ITEMS AND THE ANNULAR SPACE BETWEEN THE WALL MEMBRANE AND THE BOX, ARE PROTECTED BY AN APPROVED MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01" OF WATER, AND SHALL HAVE AN F AND T RATING OF NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL PENETRATED AND BE INSTALLED IN ACCORDANCE WITH THEIR LISTING.
  - THE ANNULAR SPACE CREATED BY THE PENETRATION OF AN AUTOMATIC SPRINKLER, PROVIDED THAT IT IS COVERED BY A METAL ESCUTCHEON PLATE.
  - MEMBRANE PENETRATIONS OF MAX 2-HOUR FIRE-RESISTANCE-RATED WALLS AND PARTITIONS BY STEEL ELECTRICAL BOXES THAT EXCEED 16 SQUARE INCHES IN AREA, OR STEEL ELECTRICAL BOXES OF ANY SIZE HAVING AN AGGREGATE AREA THROUGH THE MEMBRANE EXCEEDING 100 SQUARE INCHES IN ANY 100 SF OF WALL AREA, PROVIDED THAT SUCH PENETRATING ITEMS ARE PROTECTED BY LISTED PUTTY PADS OR OTHER LISTED MATERIALS AND METHODS, AND INSTALLED IN ACCORDANCE WITH THE LISTING.



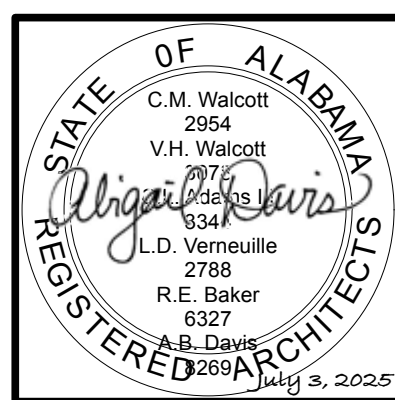
**Detail 7**  
3"=1'-0"



**Detail 8**  
3"=1'-0"

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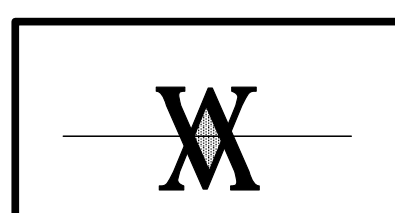
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**Alabama State Port Authority**  
**ITC Fourth Floor Phase II**  
**Whole Building Fire Suppression System**  
International Trade Center  
250 North Water Street, Mobile, AL 36602

Date	July 3, 2025
Revised	
Revised	
Revised	
Revised	
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**G4**  
General Notes





ABBREVIATIONS

A	AMPS	MCE	MAIN COMMUNICATIONS EQUIPMENT ROOM
AC	ABOVE COUNTER	MCM	THOUSAND CIRCULAR MILS
AF	AMP FRAME	MH	MANHOLE
AFF	ABOVE FINISHED FLOOR	MIN	MINIMUM
AFG	ABOVE FINISHED GRADE	MISC	MISCELLANEOUS
AHU	AIR HANDLING UNIT	MLO	MAIN LUGS ONLY
AL	ALUMINUM	MNT	MOUNTING HEIGHT
ARCH	ARCHITECT OR ARCHITECTURAL	MTG	MOUNTING
AT	AMP TRIP	MTS	MANUAL TRANSFER SWITCH
ATS	AUTOMATIC TRANSFER SWITCH	MV	MEDIUM VOLTAGE
ATU	AIR TERMINAL UNIT	N1	NEMA 1
AWG	AMERICAN WIRE GAUGE	N3R	NEMA 3R
BAS	BUILDING AUTOMATION SYSTEM	N/A	NOT APPLICABLE
BFG	BELOW FINISHED GRADE	NA	NOT APPLICABLE
BJ	BONDING JUMPER	NEC	NATIONAL ELECTRICAL CODE
BKR	CIRCUIT BREAKER	NESC	NATIONAL ELECTRICAL SAFETY CODE
BLDG	BUILDING	NEU	NEUTRAL
BOD	BASIS OF DESIGN	OCPD	OVERCURRENT PROTECTION DEVICE
C	CONDUIT	OFCI	OWNER FURNISHED OWNER INSTALLED
C/B	CIRCUIT BREAKER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CL	CURRENT LIMITING	OH	OVERHEAD
C/L	CENTERLINE	OHE	OVERHEAD ELECTRIC
CLG	CEILING	OHP	OVERHEAD PRIMARY
CKT	CIRCUIT	OHS	OVERHEAD SECONDARY
CT	CURRENT TRANSFORMER	PBD	PANELBOARD
CU	COPPER	PF	POWER FACTOR
DDC	DIRECT DIGITAL CONTROL	PNL	PANELBOARD
DEMO	DEMOLISH	PT	POTENTIAL TRANSFORMER
EC	ELECTRICAL CONTRACTOR	PWR	POWER
EGC	EQUIPMENT GROUNDING CONDUCTOR	REC	RECEPTACLE
ELEC	ELECTRICAL	REQD	REQUIRED
EMGB	ELECTRICAL MAIN GROUNDING BUSBAR	RM	ROOM
EF	EXHAUST FAN	RGS	RIGID GALVANIZED STEEL CONDUIT
EX	EXISTING TO REMAIN	RNC	RIGID NON-METALLIC CONDUIT
EXT	EXTERIOR	RVSS	REDUCED VOLTAGE SOLID STATE
EWC	ELECTRIC WATER COOLER	SA	SURGE ARRESTER
EMT	ELECTRICAL METALLIC TUBING	SCA	SHORT CIRCUIT AMPS
EQUIP	EQUIPMENT	SF	SUPPLY FAN
FMC	FLEXIBLE METAL CONDUIT	SPEC	SPECIFICATION
FACP	FIRE ALARM SYSTEM CONTROL PANEL	SWBD	SWITCHBOARD
FU	FUSE	SWGR	SWITCHGEAR
F/A	FIRE ALARM	TBB	TELECOMMUNICATIONS BONDING BACKBONE
FLA	FULL LOAD AMPS	TR	TELECOMMUNICATIONS ROOM
FLR	FLOOR	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
FVNR	FULL VOLTAGE NON-REVERSING	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
GFI	GROUND FAULT INTERRUPTER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
G	GROUND (OR GFI FOR RECEPTACLE SUBSCRIPT)	TYP	TYPICAL
GC	GENERAL CONTRACTOR	UFR	UNDERFLOOR RACEWAY
GND	GROUND	UG	UNDERGROUND
GEC	GROUNDING ELECTRODE CONDUCTOR	UGE	UNDERGROUND ELECTRIC
HH	HANDHOLE	UGP	UNDERGROUND PRIMARY
HOA	HAND-OFF-AUTOMATIC	UGS	UNDERGROUND SECONDARY
HP	HEAT PUMP OR HORSEPOWER	UL	UNDERWRITERS' LABORATORIES
HVAC	HEATING, VENTILATION & AIR-CONDITIONING	UNO	UNLESS NOTED OTHERWISE
IG	ISOLATED GROUND	UPS	UNINTERRUPTIBLE POWER SUPPLY
IMC	INTERMEDIATE METAL CONDUIT	V	VOLT
JB	JUNCTION BOX	VA	VOLT-AMPERES
k	KILO	VAR	VOLT-AMPERES REACTIVE
KAIC	KILO-AMPERE INTERRUPTING CAPABILITY	VAV	VARIABLE AIR VOLUME UNIT
KCMIL	THOUSAND CIRCULAR MILS	W	WATTS
LCP	LIGHTING CONTROL PANEL	WAO	WORK AREA OUTLET
LTG	LIGHTING	WP	WEATHERPROOF
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT	WSR	WITHSTAND RATING
LV	LOW VOLTAGE	XFMR	TRANSFORMER
MAX	MAXIMUM	XP	EXPLOSION PROOF
MCA	MINIMUM CIRCUIT AMPACITY	φ	PHASE
MCC	MOTOR CONTROL CENTER	72°	DEGREES
		Δ	DELTA
		Ω	OHMS

ELECTRICAL SPECIFICATIONS

1.

GENERAL ELECTRICAL:
- 1.1.

THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM AS INDICATED WITHIN THESE DRAWINGS. ALL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES AND WITH MANUFACTURER'S RECOMMENDATIONS.
- 1.2.

THE CONTRACTOR SHALL CAREFULLY EXAMINE THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS PRIOR TO SUBMITTING HIS BID. THE CONTRACTOR WILL BE REQUIRED TO FURNISH, INSTALL AND CONNECT ALL ITEMS AS INDICATED ON THE DRAWINGS.
- 1.3.

THE ARCHITECT SHALL BE NOTIFIED OF ANY CONFLICTS, OR INTERFERENCES THAT OCCUR BETWEEN INDIVIDUAL DRAWINGS.
- 1.4.

ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN A NEAT, FIRST CLASS, WORKMANLIKE MANNER, TO THE APPROVAL OF THE ARCHITECT/ENGINEER AND GOVERNING AUTHORITIES.
- 1.5.

IN ADDITION TO THE MANUFACTURERS STANDARD GUARANTEES, THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND WORKMANSHIP AGAINST DEFECTS FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE, AND SHALL CORRECT ANY DEFECTS AT NO ADDITIONAL COST TO THE OWNER. ALL LAMPS SHALL BE GUARANTEED FOR 30 DAYS AFTER ACCEPTANCE.
- 1.6.

THE LOADS SHOWN FOR APPLIANCES AND EQUIPMENT ARE BASED ON DESIGN INFORMATION. THE CONTRACTOR SHALL VERIFY ALL APPLIANCE LOADS PRIOR TO RUNNING THE CIRCUIT. THE MINIMUM CIRCUIT REQUIREMENTS SHALL BE BASED ON THE APPLIANCE NAMEPLATE VALUE OR CODE REQUIREMENTS, WHICHEVER IS MORE STRINGENT. ADDITIONAL COMPENSATION SHALL NOT BE ALLOWED FOR APPLIANCE MODIFICATIONS BY THE CONTRACTOR.
- 1.7.

PRIOR APPROVAL: PRIOR APPROVAL SHALL BE REQUIRED FOR ANY MANUFACTURER OTHER THAN THOSE LISTED FOR ALL SPECIFIED ITEMS IN THESE DRAWINGS. SUBMIT ALL REQUESTS FOR PRIOR APPROVAL 2 WEEKS PRIOR TO BID OPENING. ENGINEER'S APPROVAL WILL BE IN THE FORM OF AN ADDENDUM.
- 1.8.

APPROVAL SUBMITTALS: PROVIDE 6 COPIES OF APPROVAL SUBMITTALS FOR ALL EQUIPMENT BEING PROVIDED FOR ENGINEERS REVIEW.
2.

CODES & STANDARDS:
- 2.1.

INSTALLATION AND MATERIALS SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE FOLLOWING CODES & STANDARDS:
- 2.1.1.

NATIONAL ELECTRICAL CODE.
- 2.1.2.

NFPA 72. NATIONAL FIRE PROTECTION CODE.
- 2.1.3.

INTERNATIONAL BUILDING CODE.
- 2.1.4.

INTERNATIONAL ENERGY CONSERVATION CODE.
- 2.1.5.

NFPA 101.
- 2.1.6.

ADA .
- 2.1.7.

ANSI.
- 2.1.8.

NEMA.
- 2.1.9.

OSHA.
- 2.1.10.

UL.
3.

BASIC MATERIALS & METHODS:
- 3.1.

ELECTRICAL CONTRACTOR SHALL PROVIDE ADEQUATE AND PROPER SUPPORT FOR ALL ELECTRICAL OUTLETS, DEVICES, LIGHT FIXTURES, ETC. BUILT IN OR MOUNTED ON CEILINGS. NO OUTLET BOX, DEVICE, LIGHT FIXTURE, ETC. SHALL BE SUPPORTED FROM ANY ACOUSTICAL CEILING TILE OR DRYWALL CEILINGS. PROVIDE METAL SUPPORTS THAT ARE MADE FOR USE WITH CEILING GRID SYSTEMS OR PROVIDE HANGERS FROM STRUCTURE ABOVE.
- 3.2.

CONDUIT ROUTINGS AND DEVICE/EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHALL FIELD ROUTE AND LOCATE AS REQUIRED. CONDUIT ROUTINGS SHALL BE PARALLEL OR PERPENDICULAR TO BUILDING LINES.
- 3.3.

JUNCTION BOXES LOCATED ABOVE CEILING SHALL BE INSTALLED FACING DOWN AND SHALL BE ACCESSIBLE AFTER INSTALLATION.
- 3.4.

COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES AND STRUCTURAL COMPONENTS.
- 3.5.

THE CONDUIT MATERIAL SHALL BE AS FOLLOWS:
- 3.5.1.

BELOW GRADE - RNC (POWER & SITE LIGHTING ONLY). ELBOWS >1-1/2" SHALL BE RGS.
- 3.5.2.

RISER FROM 36" BELOW GRADE - RGS.
- 3.5.3.

CONCEALED RISER FROM 36" BELOW GRADE - RNC (POWER ONLY).
- 3.5.4.

ABOVE GRADE SUBJECT TO PHYSICAL ABUSE - RGS.
- 3.5.5.

ABOVE GRADE NOT SUBJECT TO PHYSICAL ABUSE OR WEATHER - EMT.
- 3.5.6.

INDOORS NOT SUBJECT TO PHYSICAL ABUSE - EMT. OR METAL CLAD CABLE (AS ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION).
- 3.6.

CONDUIT FITTINGS SHALL BE AS FOLLOWS:
- 3.6.1.

EMT - <=2" USE STEEL SET SCREW WITH INSULATED THROATS FOR INTERIOR/ USE COMPRESSION FITTINGS WITH INSULATED THROATS FOR EXTERIOR. >2" USE SET-SCREW STEEL WITH INSULATED THROATS.
- 3.6.2.

RGS - THREADED GALVANIZED STEEL.
- 3.6.3.

PVC - PVC APPROVED FOR THE USE.
- 3.6.4.

FMC - ZINC-PLATED STEEL OR CADMIUM-PLATED MALLEABLE IRON SCREW TYPE WITH INSULATED THROAT.
- 3.6.5.

LFMC - CADMIUM-PLATED MALLEABLE IRON OR STEEL COMPRESSION TYPE WITH INSULATED THROAT.
- 3.7.

ELECTRICAL CONTRACTOR SHALL WORK CLOSELY WITH THE MASONRY CONTRACTOR ON THE INSTALLATION OF ALL ELECTRICAL BOXES, CABINETS, RINGS, ETC. IN MASONRY WALLS. THE BOXES SHALL BE INSTALLED AT THE UNIFORM HEIGHTS CALLED FOR ON THE DRAWINGS AND SPECIFICATIONS. PROVIDE APPROPRIATE DEPTH MASONRY RINGS FOR ALL OUTLETS IN MASONRY WALLS TO INSURE PROPER CUTTING AND FITTING. THE FACE OF THE CABINETS, BOXES, RINGS, ETC. SHALL BE PLUMB AND FLUSH WITH THE FACE OF THE FINISH MATERIAL. ANY CABINET, OUTLET BOX, ETC. NOT MEETING THE ABOVE REQUIREMENT SHALL BE REMOVED AND REINSTALLED AT NO ADDITIONAL COST TO THE OWNER.
- 3.8.

COORDINATE LOCATIONS OF ELECTRICAL EQUIPMENT, DEVICES, OUTLETS, FIXTURES, ETC., WITH ARCHITECTURAL PLANS, ELEVATIONS AND REFLECTED CEILING PLANS PRIOR TO ROUGH-IN WORK.
4.

GROUNDING & BONDING:
- 4.1.

PROVIDE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS.
- 4.2.

ALL CABLES SHALL BE COPPER, ALL BOLTED CONNECTIONS SHALL BE BRONZE.
- 4.3.

WHERE AVAILABLE, BOND TO BUILDING STRUCTURAL STEEL, BUILDING FOUNDATION STEEL, METAL WATER SERVICE PIPING.
5.

IDENTIFICATION:
- 5.1.

PROVIDE ENGRAVED 1"x3" PHENOLIC LABELS FOR FACP, ETC.
- 5.2.

PAINT THE RACEWAY SYSTEM COUPLINGS AND BOX COVERS ABOVE CEILINGS FOR THE FOLLOWING SYSTEMS AS FOLLOWS:
- 5.2.1.

FIRE ALARM - RED.
- 5.2.2.

AFTER PAINTING, WRITE THE CIRCUIT NUMBER (I.E. "LPA-34") ON ALL BRANCH CIRCUIT JUNCTION BOX COVERS ABOVE CEILING WITH WHITE MARKER.
6.

FIRE ALARM SYSTEM:
- 6.1.

MULTIPLEXED ADDRESSABLE INTELLIGENT CONTROL PANEL WITH LCD DISPLAY, OPERATOR INTERFACE, UL 864 LISTED, SUPPORTS INDIVIDUAL ANALOG SENSING, PROGRAMMABLE SENSITIVITY, SENSOR STATUS.
- 6.2.

DO NOT LOAD ANY SLC CONTROLLER MORE THAN 75% OF ITS ALLOWABLE DEVICE LIMIT.
- 6.3.

DO NOT LOAD ANY NAC CONTROLLER MORE THAN 75% OF ITS ALLOWABLE CAPACITY.
- 6.4.

ALL INITIATING DEVICES SHALL BE INTELLIGENT ADDRESSABLE DEVICES. PULL STATIONS SHALL BE SINGLE ACTION TYPE, SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE, DUCT SMOKE DETECTORS SHALL BE SAMPLE TUBE TYPE. PROVIDE REMOTE INDICATORS FOR ALL DUCT SMOKE DETECTORS NOT IN PLAIN SIGHT FROM FLOOR LEVEL.
- 6.5.

PULL STATIONS SHALL BE MOUNTED 48" AFF TO TOP OF BOX, STROBES SHALL BE MOUNTED 80" AFF TO BOTTOM OF STROBE LENS.
- 6.6.

TAG ALL CIRCUITS IN CABINETS AND JUNCTION LOCATIONS.
- 6.7.

SLC CABLES SHALL BE #18AWG TWISTED PAIR MINIMUM.
- 6.8.

NAC CABLES SHALL BE #14AWG MINIMUM.
- 6.9.

ALL CABLES SHALL BE IN CONDUIT DEDICATED TO THE FIRE ALARM SYSTEM. MINIMUM SIZE IS 3/4".
- 6.10.

ALL TERMINATIONS SHALL BE UNDER SCREW TERMINALS. WIRE NUTS SHALL NOT BE USED.
- 6.11.

TEST, CERTIFY & DOCUMENT IN COMPLIANCE WITH NFPA 72.
- 6.12.

APPROVED MANUFACTURERS - EST (EST-2 SYSTEM), NOTIFIER (AFP-200 SYSTEM), SIMPLEX (4100 SYSTEM).

ELECTRICAL LEGEND

FIRE ALARM SYSTEM:

- [E]

FIRE ALARM SYSTEM ADDRESSABLE SINGLE ACTION MANUAL PULL STATION. MOUNT 48" TO TOP OF DEVICE. PROVIDE WITH CLEAR AUDIBLE PROTECTIVE SHIELD.
- [E]⚡

FIRE ALARM SYSTEM AUDIO-VISUAL ALARM (CANDELA AS INDICATED ON SUBSCRIPT). MOUNT 80" AFF TO BOTTOM OF LENS OR 6" FROM THE CEILING, WHICHEVER IS LOWER. ALL STROBES SHALL BE SYNCHRONIZED. SUBSCRIPT "WG" INDICATES PROVIDE A WIRE GUARD OVER DEVICE.
- [E]⚡

FIRE ALARM SYSTEM VISUAL ONLY APPLIANCE (CANDELA AS INDICATED ON SUBSCRIPT). MOUNT 80" AFF TO BOTTOM OF LENS OR 6" FROM THE CEILING, WHICHEVER IS LOWER. ALL STROBES SHALL BE SYNCHRONIZED. SUBSCRIPT "WP" INDICATES WEATHERPROOF DEVICE.
- [S]

FIRE ALARM SYSTEM ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNT.
- [D]

FIRE ALARM SYSTEM ADDRESSABLE PHOTOELECTRIC DUCT MOUNTED SAMPLE TUBE TYPE SMOKE DETECTOR. PROVIDED, INSTALLED, CONNECTED AND TESTED BY DIV. 26.
- [R]

FIRE ALARM SYSTEM ADDRESSABLE AIR HANDLING UNIT SHUT-DOWN RELAY (UNLESS NOTED OTHERWISE). PROVIDE WITH POWER RELAY WHERE REQUIRED.
- [FACP]

MULTIPLEXED ADDRESSABLE FIRE ALARM CONTROL PANEL. BATTERY SUPPLIES TO BE MOUNTED WITH FACP. REMOTE BOOSTER TYPE BATTERY POWER SUPPLIES WILL NOT BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS. FIELD VERIFY EXACT MOUNTING LOCATION.

- [FA]

FIRE ALARM SYSTEM REMOTE ANNUNCIATOR. FLUSH MOUNTED AT 48" AFF TO THE TOP OF DEVICE.
- [FS]

ADDRESSABLE MONITOR MODULE CONNECTED TO FLOW SWITCH.
- [TS]

ADDRESSABLE MONITOR MODULE CONNECTED TO TAMPER SWITCH.
- [H]

FIRE ALARM SYSTEM ADDRESSABLE HEAT DETECTOR. CEILING MOUNT. SUBSCRIPT 190" INDICATES TO PROVIDE 190" DEVICE WITH MONITOR MODULE.
- [NAC]

NOTIFICATION APPLIANCE CIRCUIT (NAC) EXTENDER PANEL. BATTERY SUPPLIES TO BE MOUNTED IN CABINET. FIELD VERIFY EXACT MOUNTING LOCATION.
- [E]

FIRE ALARM SYSTEM ADDRESSABLE CONTROL DEVICE FOR ELEVATOR RECALL/CAPTURE AND SHUNT TRIPPING AS REQUIRED BY CODE/FIRE MARSHAL. PROVIDE AS REQUIRED FOR "DESIGNATED" AND "ALTERNATE" FLOORS. ALSO INCLUDE ALL WORK REQUIRED TO SUPERVISE THE SHUNT TRIP CKT.
- [FP]

ADDRESSABLE MONITOR MODULE CONNECTED TO FIRE PUMP CONTROLLER. PROVIDE SEPARATE INDICATIONS FOR:  
1. FIRE PUMP RUNNING.  
2. FIRE PUMP POWER LOSS.  
3. FIRE PUMP PHASE REVERSAL.  
4. FIRE PUMP LOW PRESSURE.

- [CC]

CALL COMMANDER: PROVIDES A MEANS ON-SITE TO COMMUNICATE BETWEEN THE RESCUE PERSONNEL AND TRAPPED PARTIES. VIEW CALLBOX ACTIVATIONS IN ORDER THEY WERE RECEIVED. (AVIRE OR APPROVED EQUAL)
- [CB]

CALL BOX, TO BE CONNECTED TO THE REST OF THE CALL BOX INTEGRITY, POWER, AND PHONE LINES. (AVIRE OR APPROVED EQUAL).
- [BOSS]

BOSS: INCLUDES BUILT-IN SUPERVISION OF CALL BOX INTEGRITY, POWER, AND PHONE LINES. (AVIRE OR APPROVED EQUAL)
- OTHER:
- [1]

SHEET NOTE TAG.
- LF

LEADERS.
- MISCELLANEOUS EQUIPMENT:
- JUNCTION BOX.

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E0.1

Fire Alarm Legend  
and Specifications

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SHEET NOTES

- 1

THE FIRE ALARM CONTRACTOR IS TO DISCONNECT AND COMPLETELY REMOVE ALL ABANDONED EQUIPMENT AND DEVICES ADJACENT TO THE EXISTING FIRE ALARM REMOTE ANNUNCIATOR.
- 2

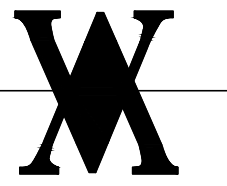
APPROXIMATE LOCATION OF EXISTING FIRE RISER AND ASSOCIATED RISER PUMP TO BE REMOVED BY OTHERS AS A PART OF THIS SCOPE OF WORK. THE ELECTRICAL ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ASSOCIATED WIRE, CONDUIT AND FIRE ALARM CONNECTIONS / DEVICES COMPLETELY. EXISTING BREAKERS SHALL BE MARKED AS "SPARE" IF NOT REUSED ELSEWHERE.

GENERAL NOTES

1. ALL FIRE ALARM EQUIPMENT AND DEVICE LOCATIONS ARE EXISTING TO BE RE-USED UNLESS OTHERWISE NOTED.
2. ALL FIRE ALARM DEVICES ARE TO BE DISCONNECTED, REMOVED, AND REPLACED NEW IN THE NEW WORK PHASE UNLESS OTHERWISE NOTED. THE EXISTING CONDUIT AND WIRING IS TO BE RE-USED, AS FEASIBLE, IN THE NEW WORK PHASE.



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E1.0

Demo Fire Alarm Plan  
First Floor



N

1

FIRE ALARM DEMO PLAN 1ST FLOOR

5'0"5'10"

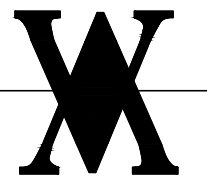
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GENERAL NOTES

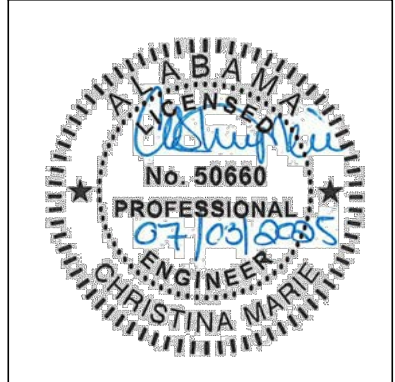
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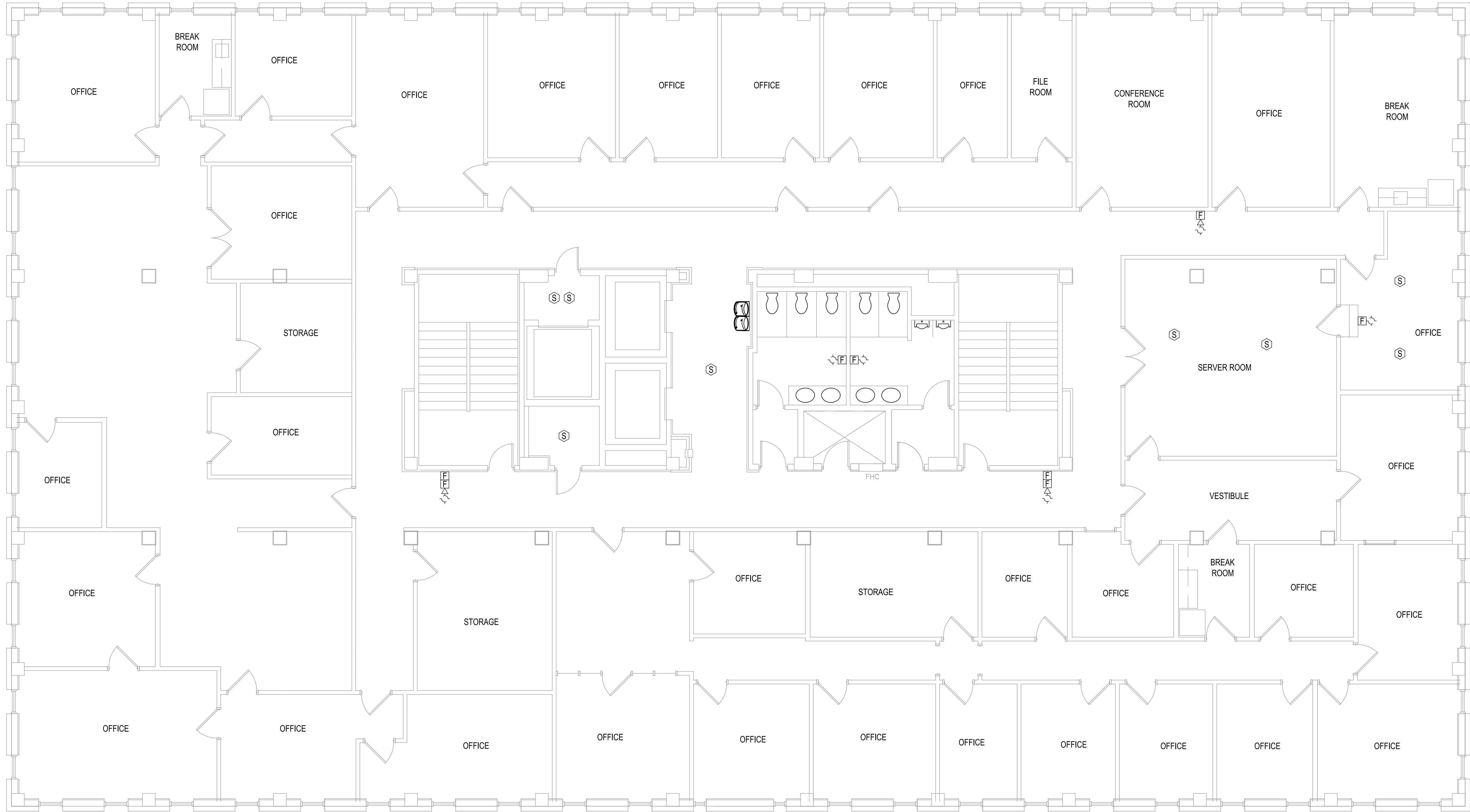
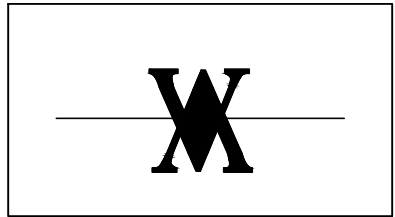



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**E1.1**

Demo Fire Alarm Plan  
Second Floor





**1**

**FIRE ALARM DEMO PLAN 2ND FLOOR**

5' 0' 5' 10'

SCALE: 3/16"=1'-0"

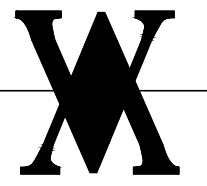


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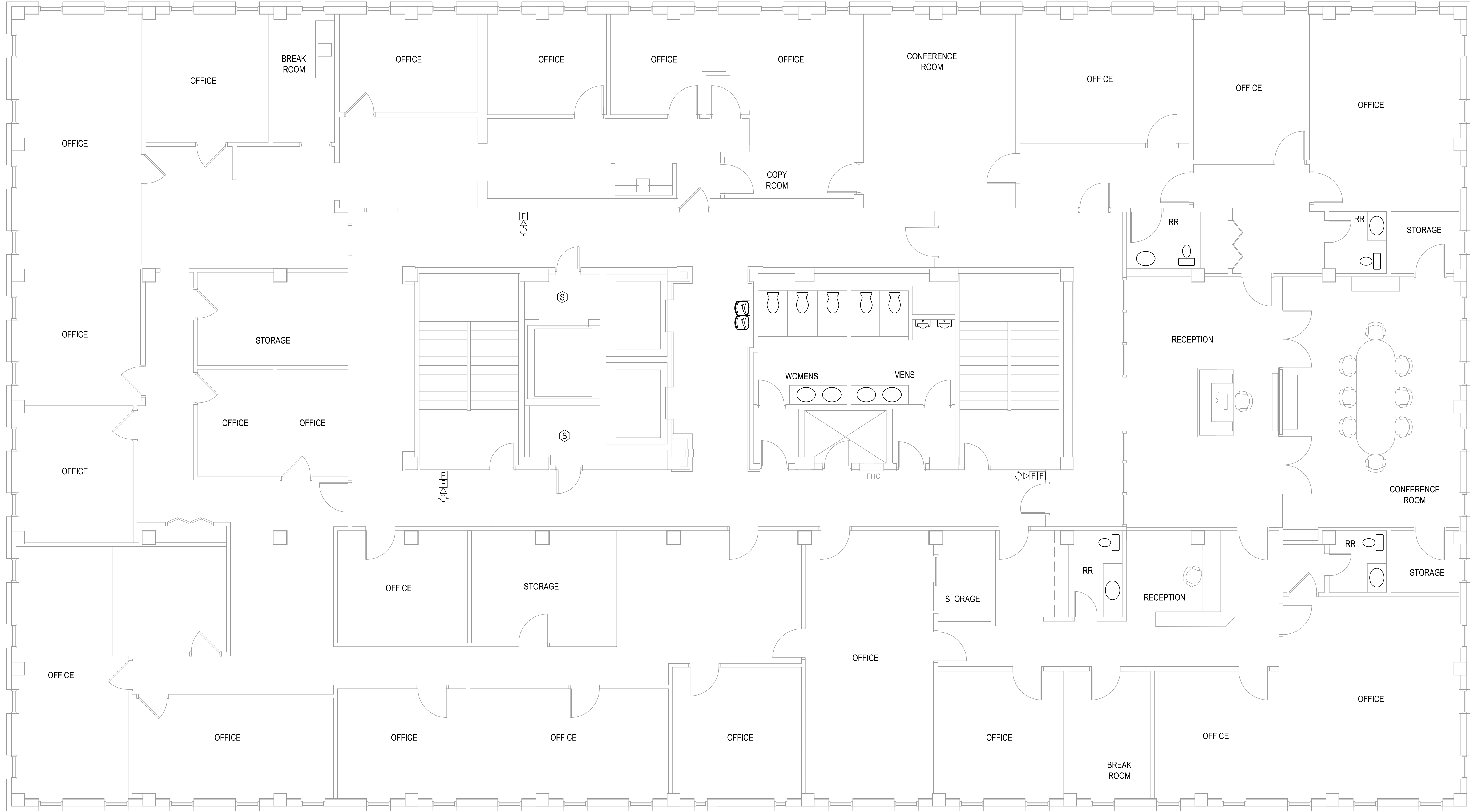
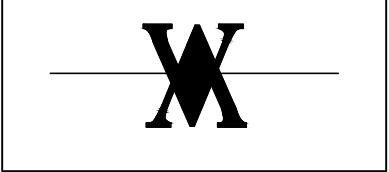



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**E1.2**


Demo Fire Alarm Plan  
Third Floor





**1**

**FIRE ALARM DEMO PLAN 3RD FLOOR**



SCALE: 3/16"=1'-0"



GENERAL NOTES

1. ALL FIRE ALARM EQUIPMENT AND DEVICE LOCATIONS ARE EXISTING TO BE RE-USED UNLESS OTHERWISE NOTED.
2. ALL FIRE ALARM DEVICES ARE TO BE DISCONNECTED, REMOVED, AND REPLACED NEW IN THE NEW WORK PHASE UNLESS OTHERWISE NOTED. THE EXISTING CONDUIT AND WIRING IS TO BE RE-USED, AS FEASIBLE, IN THE NEW WORK PHASE.

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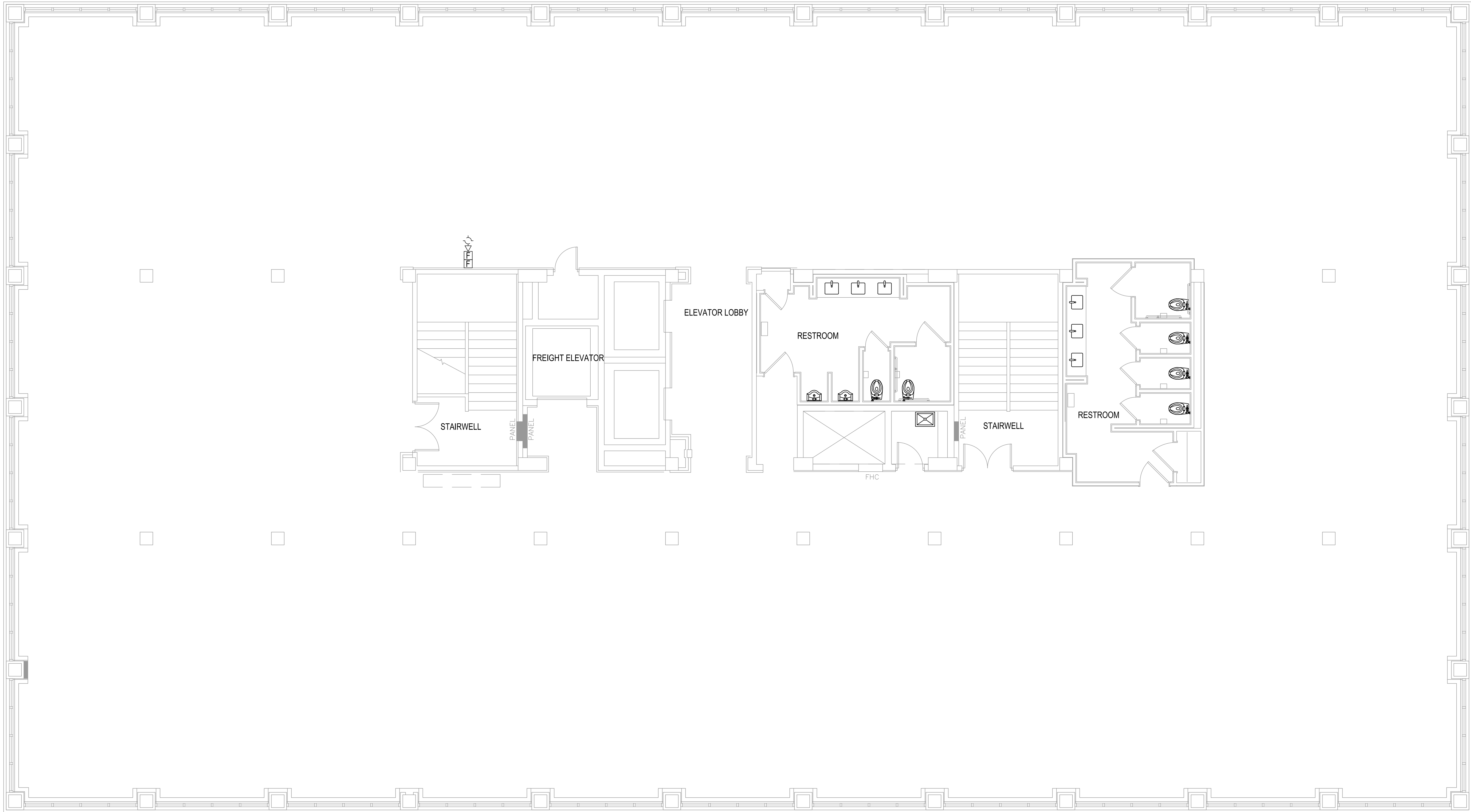
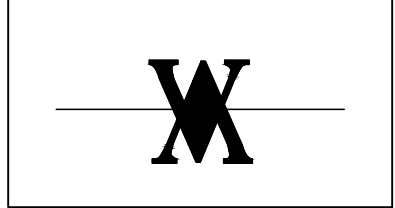
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**E1.3**  
Demo Fire Alarm Plan  
Fourth Floor



N

1

5'0'5'10'

SCALE: 3/16"=1'-0"

FIRE ALARM DEMO PLAN 4TH FLOOR

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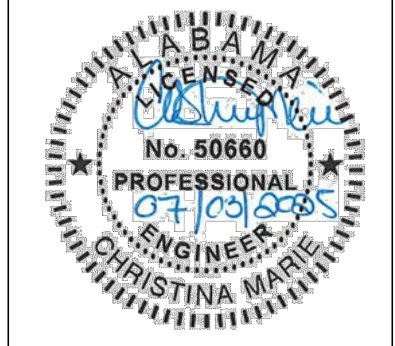


GENERAL NOTES

1. ALL FIRE ALARM EQUIPMENT AND DEVICE LOCATIONS ARE EXISTING TO BE RE-USED UNLESS OTHERWISE NOTED.
2. ALL FIRE ALARM DEVICES ARE TO BE DISCONNECTED, REMOVED, AND REPLACED NEW IN THE NEW WORK PHASE UNLESS OTHERWISE NOTED. THE EXISTING CONDUIT AND WIRING IS TO BE RE-USED, AS FEASIBLE, IN THE NEW WORK PHASE.

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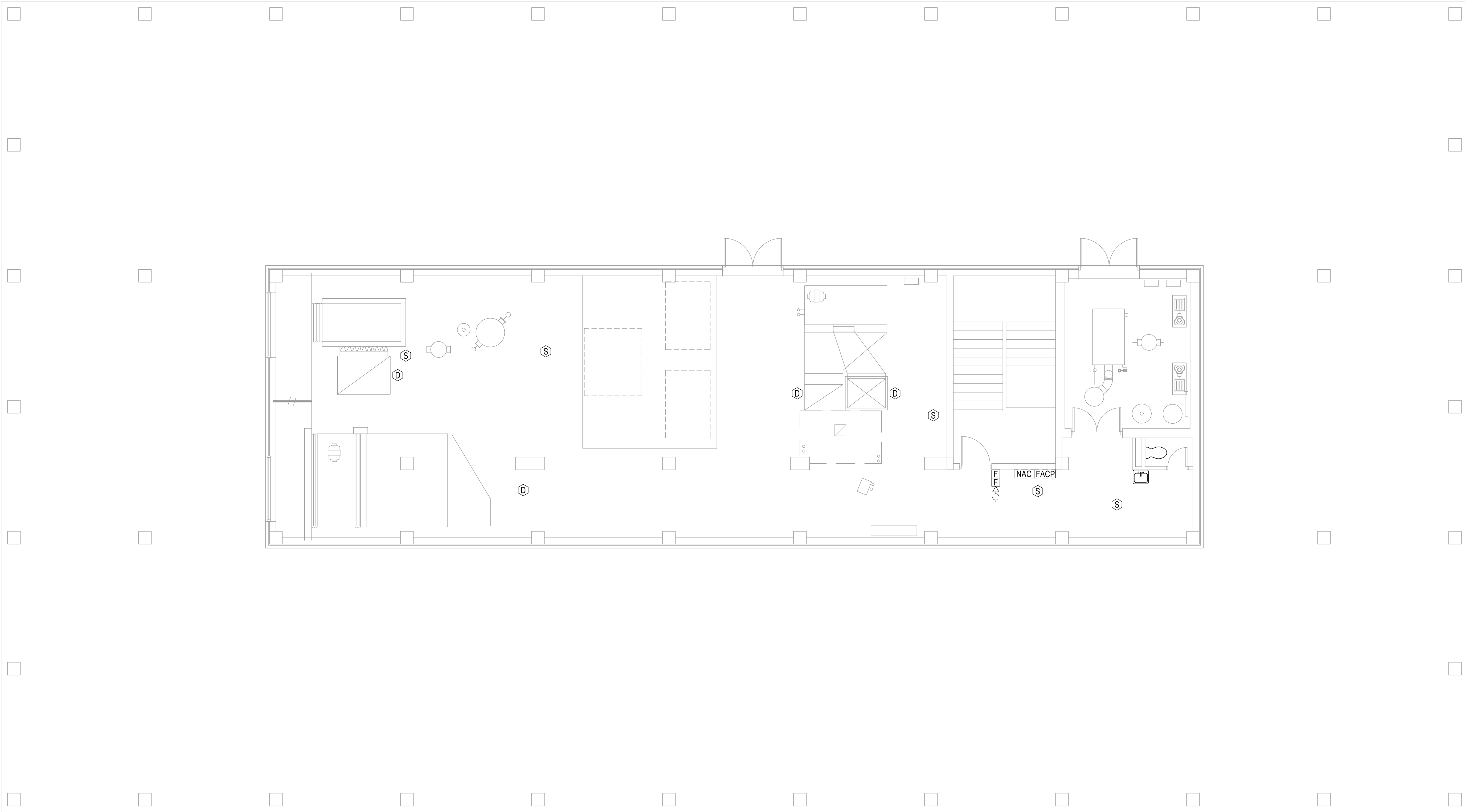
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**E1.4**  
Demo Fire Alarm Plan  
Penthouse



N

1

FIRE ALARM DEMO PLAN PENTHOUSE

5'0"5'10"

SCALE: 3/16"=1'-0"

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SHEET NOTES

- 1

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- 2

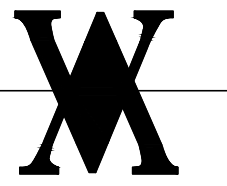
COORDINATE FINAL LOCATION AND INSTALLATION TYPE WITH OWNER AND ARCHITECTS PRIOR TO PERFORMING ANY WORK.

GENERAL NOTES

1. ALL NEW AND EXISTING FIRE ALARM EQUIPMENT AND DEVICE LOCATIONS REQUIRING PATCH WORK ARE TO BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
2. ALL CONDUIT, JUNCTION BOXES, AND DEVICES ARE TO BE CONCEALED ABOVE CEILING AND WALLS OR BEHIND WALLS UNLESS OTHERWISE NOTED. NO CONDUIT, JUNCTION BOX, OR DEVICE SHALL BE SURFACE MOUNTED OR EXPOSED TO THE OCCUPANCY AREA WITHOUT PRIOR APPROVAL FROM THE OWNER AND ARCHITECT.



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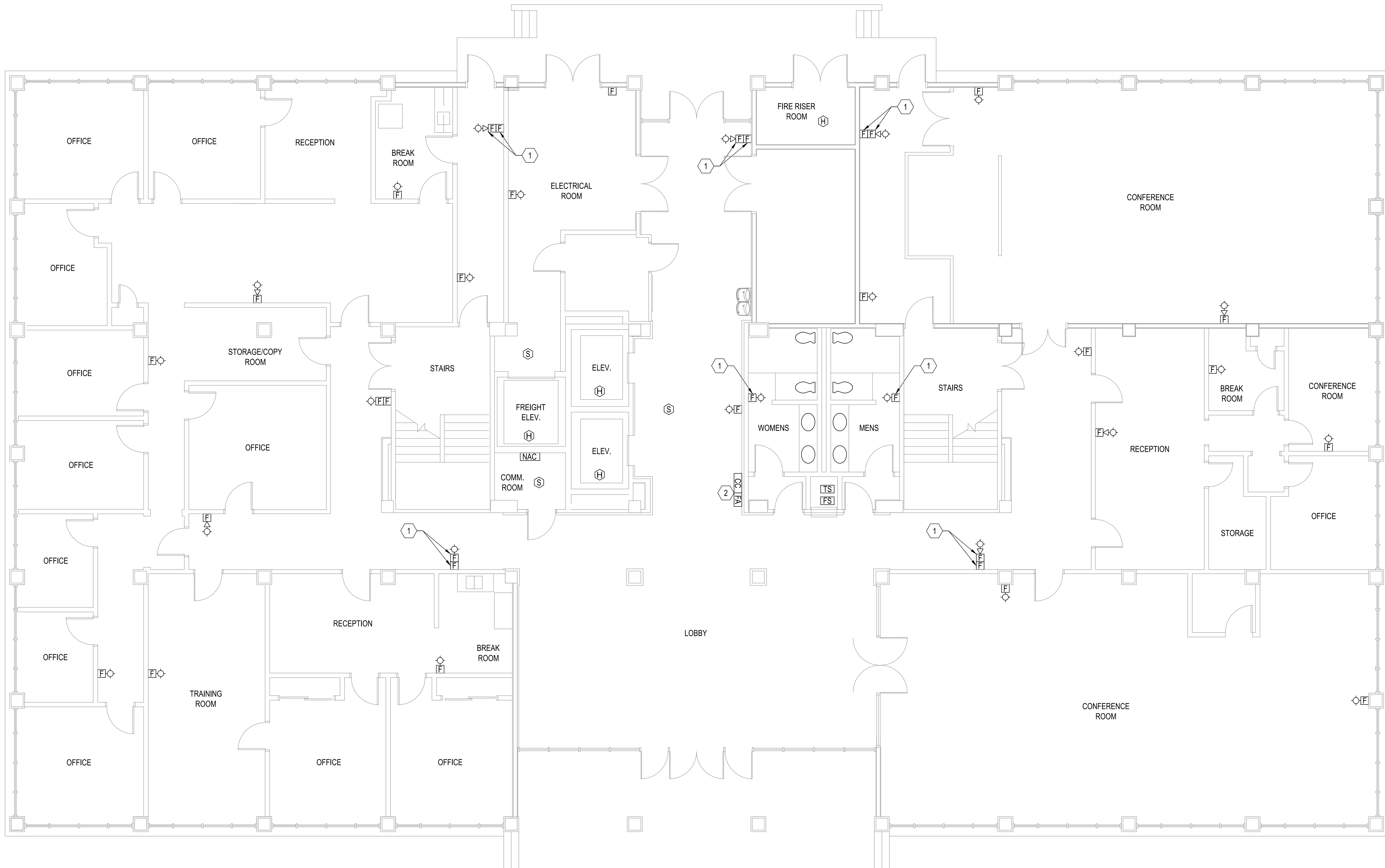
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E2.0  
New Work Fire Alarm Plan  
First Floor



N

1

NEW WORK FIRE ALARM PLAN 1ST FLOOR

5'

0'

5'

10'

SCALE: 3/16"=1'-0"



SHEET NOTES

- 1

THIS FIRE ALARM DEVICE LOCATION IS EXISTING. THE CONTRACTOR IS TO INSTALL THE NEW FIRE FIRE ALARM DEVICE, AS INDICATED, AND RE-USE CONDUIT, WIRING, BOXES, ETC., AS FEASIBLE, FOR A COMPLETE SYSTEM.
- 2

THE CONTRACTOR IS TO INVESTIGATE AND ENSURE THE EXISTING HALON SYSTEM IN THE 2ND FLOOR SERVER ROOM IS INTERCONNECTED TO THE SMOKE DETECTORS SERVING THIS SPACE.

GENERAL NOTES

1.

ALL NEW AND EXISTING FIRE ALARM EQUIPMENT AND DEVICE LOCATIONS REQUIRING PATCH WORK ARE TO BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
2.

ALL CONDUIT, JUNCTION BOXES, AND DEVICES ARE TO BE CONCEALED ABOVE CEILING AND WALLS OR BEHIND WALLS UNLESS OTHERWISE NOTED. NO CONDUIT, JUNCTION BOX, OR DEVICE SHALL BE SURFACE MOUNTED OR EXPOSED TO THE OCCUPANCY AREA WITHOUT PRIOR APPROVAL FROM THE OWNER AND ARCHITECT.



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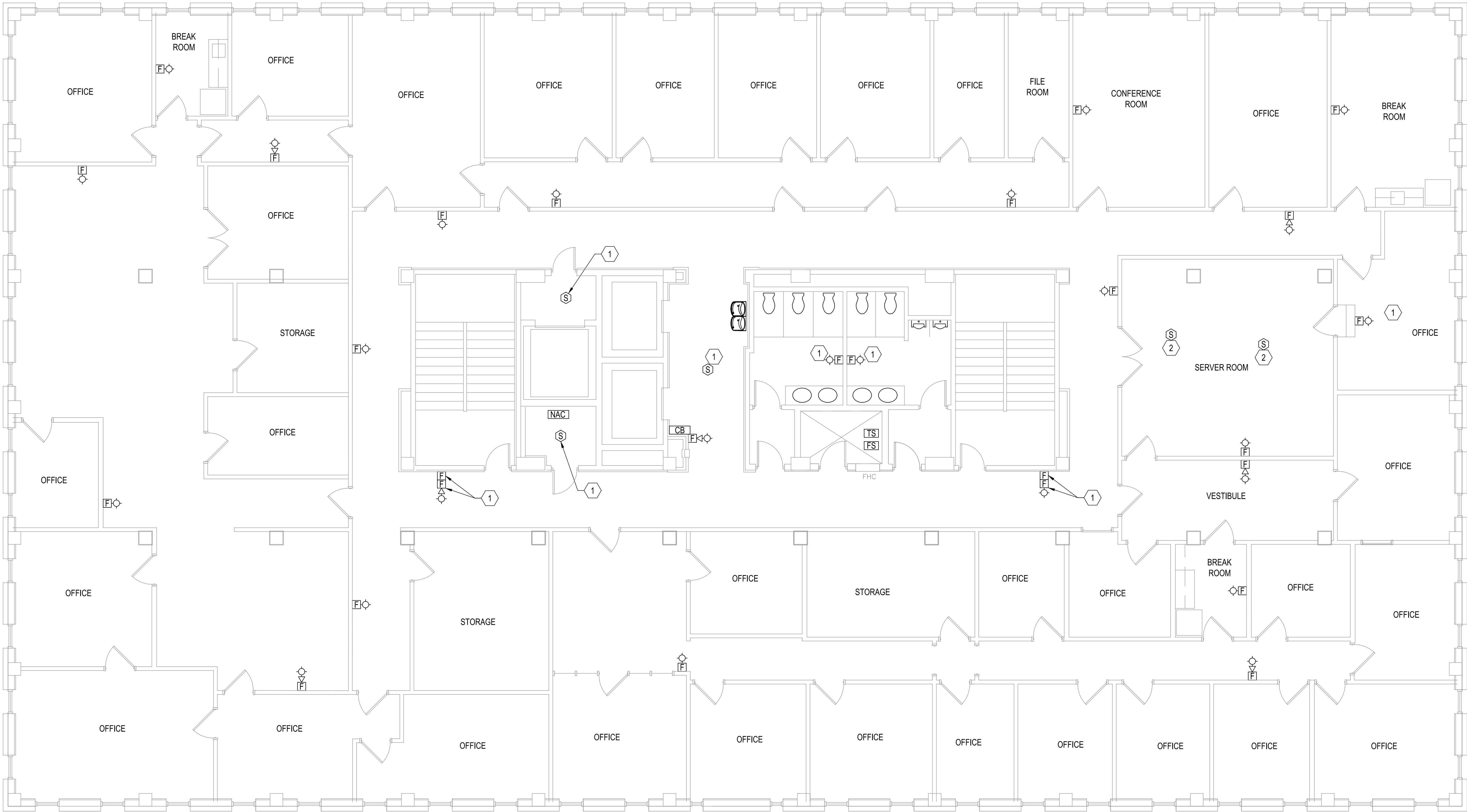
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E2.1

New Work Fire Alarm Plan  
Second Floor



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NEW WORK FIRE ALARM PLAN 2ND FLOOR

5' 0' 5' 10'

SCALE: 3/16"=1'-0"



SHEET NOTES

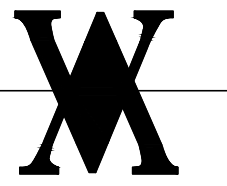
1 THIS FIRE ALARM DEVICE LOCATION IS EXISTING. THE CONTRACTOR IS TO INSTALL THE NEW FIRE FIRE ALARM DEVICE, AS INDICATED, AND RE-USE CONDUIT, WIRING, BOXES, ETC., AS FEASIBLE, FOR A COMPLETE SYSTEM.

GENERAL NOTES

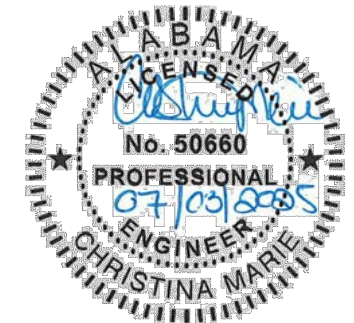
1. ALL NEW AND EXISTING FIRE ALARM EQUIPMENT AND DEVICE LOCATIONS REQUIRING PATCH WORK ARE TO BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
2. ALL CONDUIT, JUNCTION BOXES, AND DEVICES ARE TO BE CONCEALED ABOVE CEILING AND WALLS OR BEHIND WALLS UNLESS OTHERWISE NOTED. NO CONDUIT, JUNCTION BOX, OR DEVICE SHALL BE SURFACE MOUNTED OR EXPOSED TO THE OCCUPANCY AREA WITHOUT PRIOR APPROVAL FROM THE OWNER AND ARCHITECT.



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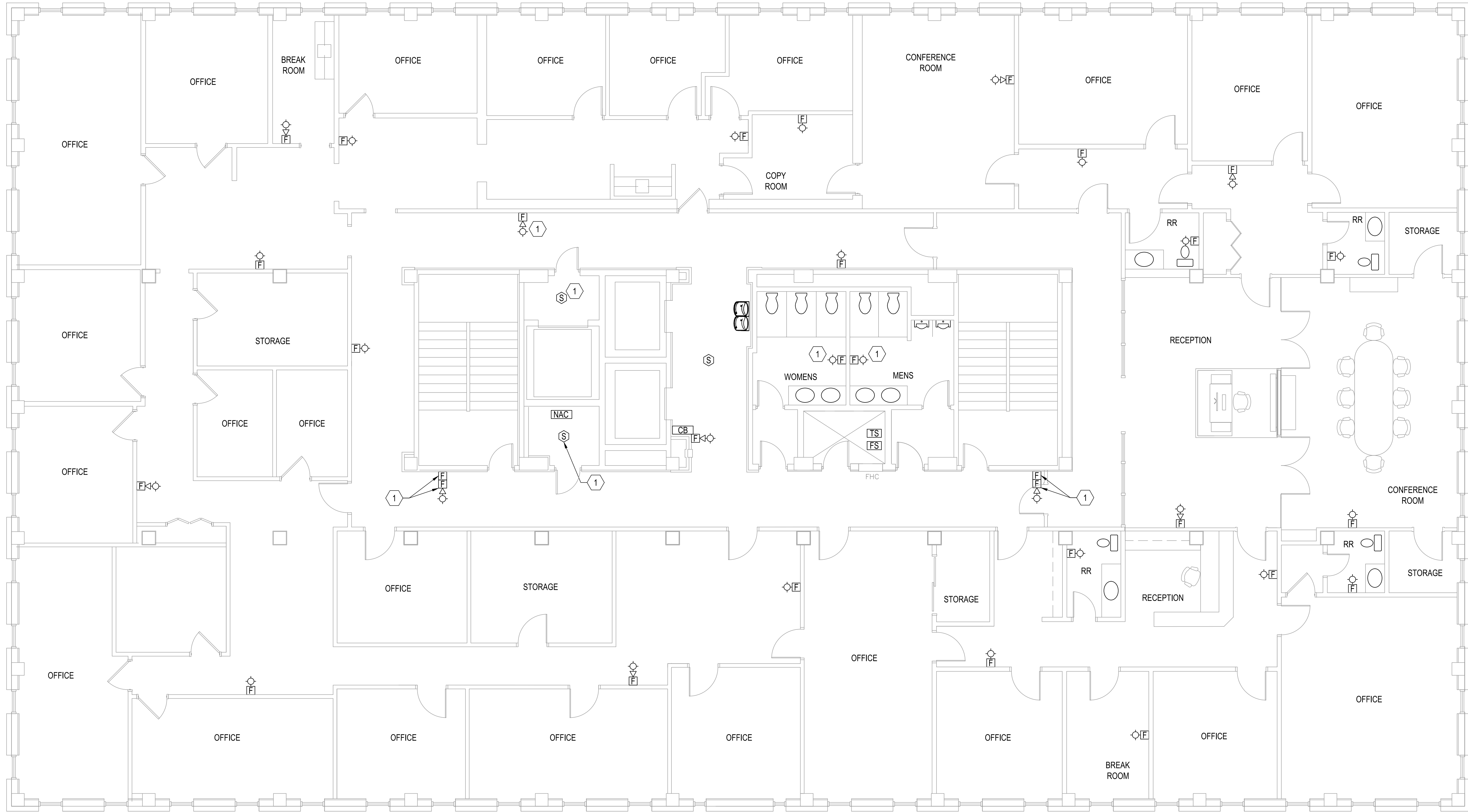
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E2.2  
New Work Fire Alarm Plan  
Third Floor



N 1 NEW WORK FIRE ALARM PLAN 3RD FLOOR  
5' 0' 5' 10'  
SCALE: 3/16"=1'-0"



SHEET NOTES

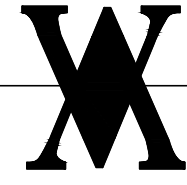
- 1 COORDINATE LOCATION OF NEW FIRE ALARM DEVICE WITH EXISTING JUNCTION BOX.
- 2 JUNCTION BOX ABOVE LOCATION OF FUTURE FIRE ALARM DEVICE. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL JUNCTION BOX AND CONDUIT WITH PULL STRING TO PROVIDE FOR FUTURE INSTALLATION OF FIRE ALARM DEVICE.
- 3 COORDINATE THE FINAL LOCATION OF THIS SMOKE DETECTOR WITH THE ARCHITECT PRIOR TO ROUGH IN TO AVOID CONFLICT WITH CEILING TYPE. SMOKE DETECTOR TO BE INSTALLED IN ACCORDANCE WITH NFPA 72 FOR ELEVATOR RECALL FUNCTION.

GENERAL NOTES

1. ALL NEW AND EXISTING FIRE ALARM EQUIPMENT AND DEVICE LOCATIONS REQUIRING PATCH WORK ARE TO BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
2. DASHED LINES REPRESENT FUTURE CONSTRUCTION.
3. ALL CONDUIT, JUNCTION BOXES, AND DEVICES ARE TO BE CONCEALED ABOVE CEILING AND WALLS OR BEHIND WALLS UNLESS OTHERWISE NOTED. NO CONDUIT, JUNCTION BOX, OR DEVICE SHALL BE SURFACE MOUNTED OR EXPOSED TO THE OCCUPANCY AREA WITHOUT PRIOR APPROVAL FROM THE OWNER AND ARCHITECT.

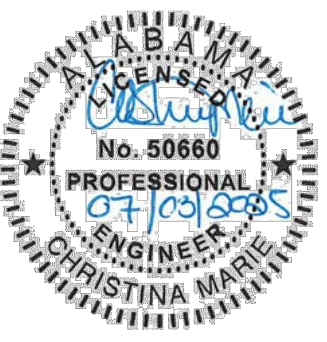


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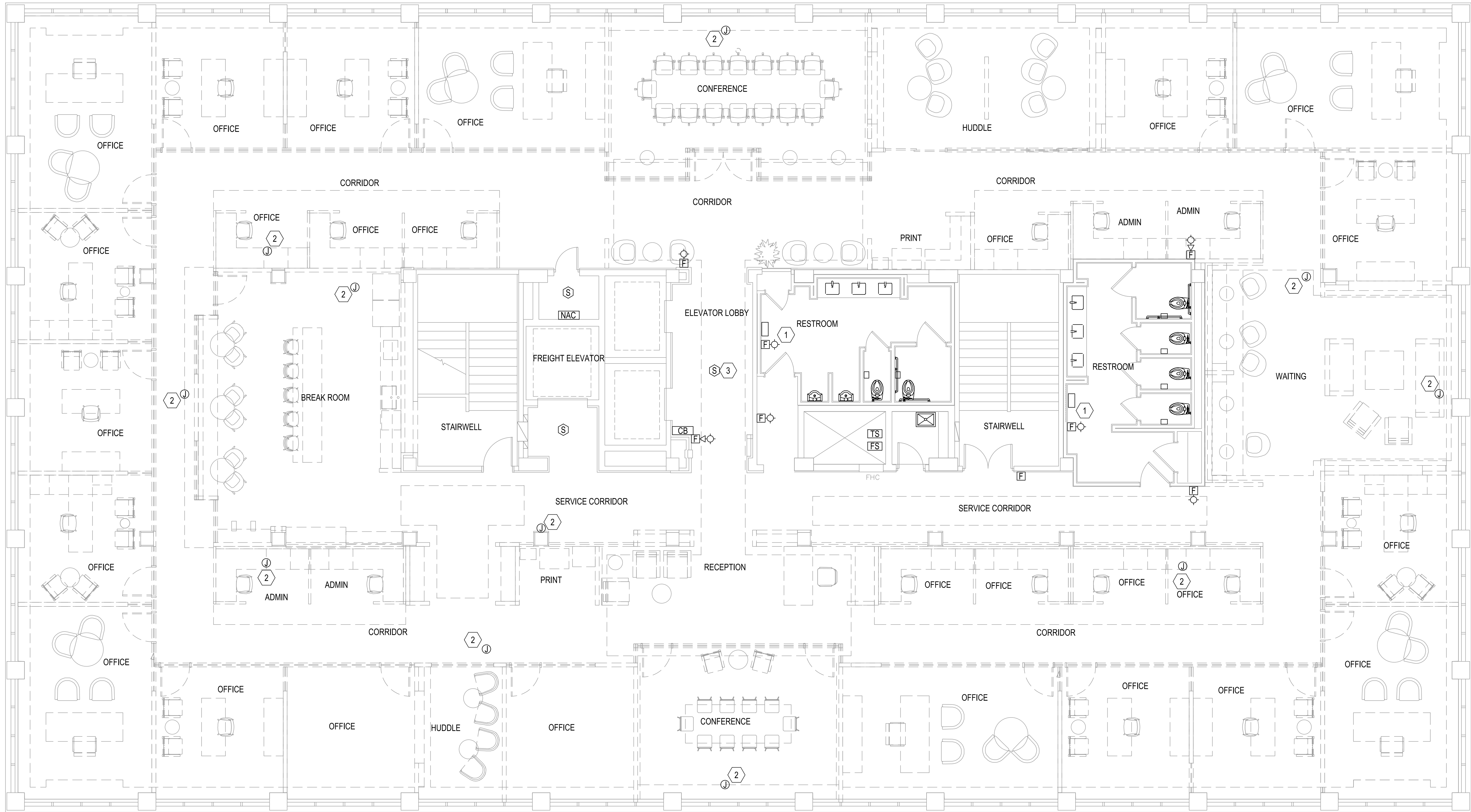
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E2.3

New Work Fire Alarm Plan  
Fourth Floor Phase I



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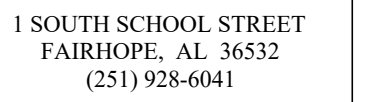
NEW WORK FIRE ALARM PLAN 4TH FLOOR PHASE I

5' 0' 5' 10'  
SCALE: 3/16"=1'-0"



- 1 THIS FIRE ALARM DEVICE LOCATION IS EXISTING. THE CONTRACTOR IS TO INSTALL THE NEW FIRE ALARM DEVICE, AS INDICATED, AND RE-USE CONDUIT, WIRING, BOXES, ETC., AS FEASIBLE, FOR A COMPLETE SYSTEM.
- 2 THIS FIRE ALARM DEVICE AND LOCATION IS EXISTING TO REMAIN. THE ELECTRICAL CONTRACTOR IS TO EXTEND, MODIFY, AND / OR RE-ROUTE EXISTING CONDUIT AND WIRING, AS REQUIRED, TO THE NEW FIRE ALARM CONTROL PANEL.
- 3 COORDINATE DEVICE LOCATION AND CONNECTION WITH FIRE ALARM SYSTEM AND ELEVATOR CONTROLS. PROVIDE AND INSTALL CONDUIT AND CONDUCTORS AS NECESSARY FOR A FULLY OPERATIONAL FIRE ALARM SYSTEM.
- 4 JUNCTION BOX FOR ROUGH-IN OF FUTURE FIRE ALARM DEVICE ON OUTSIDE OF EXTERIOR WALL. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL JUNCTION BOX AND CONDUIT WITH PULL STRING.

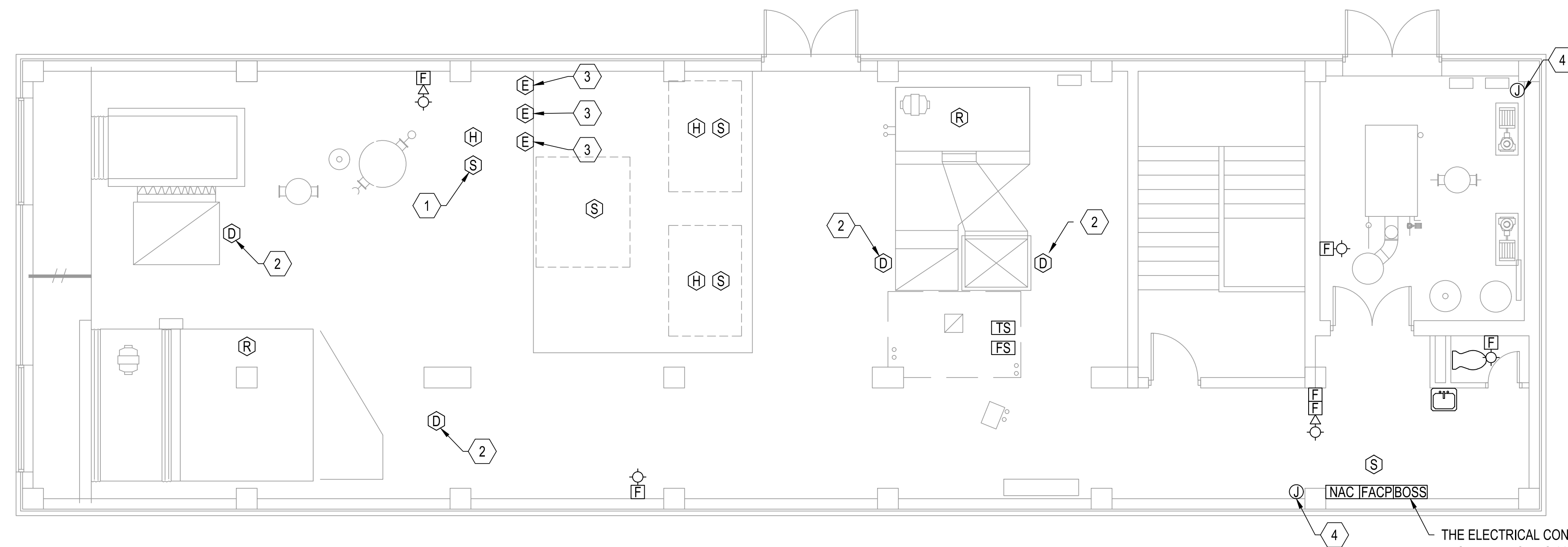
1. ALL NEW AND EXISTING FIRE ALARM EQUIPMENT AND DEVICE LOCATIONS REQUIRING PATCH WORK ARE TO BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
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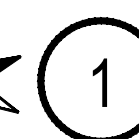
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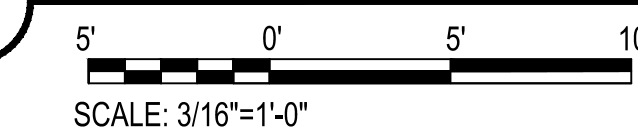
### New Work Fire Alarm Plan Penthouse Phase I



THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A NEW 20/1 BREAKER FROM AN EXISTING 208Y/120 VOLT PANEL LOCATED IN THE PENTHOUSE TO SERVE THE NEW TWO WAY COMMUNICATION SYSTEM. PROVIDE AND INSTALL NEW 2#12, #12G IN 3/4" CONDUIT FROM NEW SYSTEM TO NEW BREAKER.



## NEW WORK FIRE ALARM PLAN PENTHOUSE PHASE I





SHEET NOTES

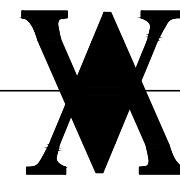
- 1 NEW FIRE ALARM DEVICE INSTALLED AFTER NEW CONSTRUCTION PHASE. CONNECT USING JUNCTION BOXES AND CONDUIT PROVIDED ABOVE CEILING DURING THE ROUGH-IN PHASE.

GENERAL NOTES

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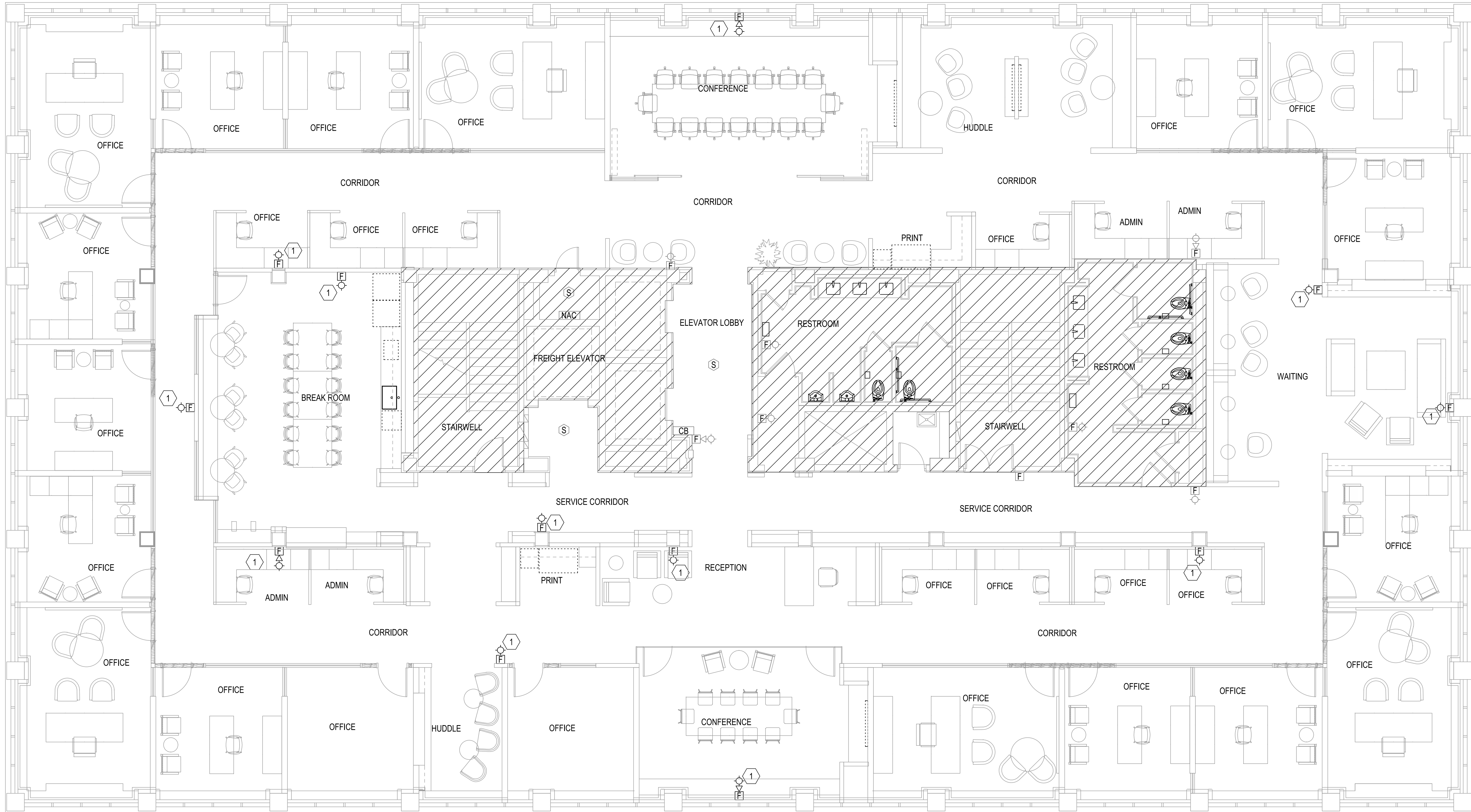


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New Work Fire Alarm Plan  
Fourth Floor Phase II



1 NEW WORK FIRE ALARM PLAN 4TH FLOOR PHASE II

5' 0' 5' 10'  
SCALE: 3/16"=1'-0"

GENERAL NOTES

1. ALL NEW AND EXISTING FIRE ALARM EQUIPMENT AND DEVICE LOCATIONS REQUIRING PATCH WORK ARE TO BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
2. ALL CONDUIT, JUNCTION BOXES, AND DEVICES ARE TO BE CONCEALED ABOVE CEILING AND WALLS OR BEHIND WALLS UNLESS OTHERWISE NOTED. NO CONDUIT, JUNCTION BOX, OR DEVICE SHALL BE SURFACE MOUNTED OR EXPOSED TO THE OCCUPANCY AREA WITHOUT PRIOR APPROVAL FROM THE OWNER AND ARCHITECT.



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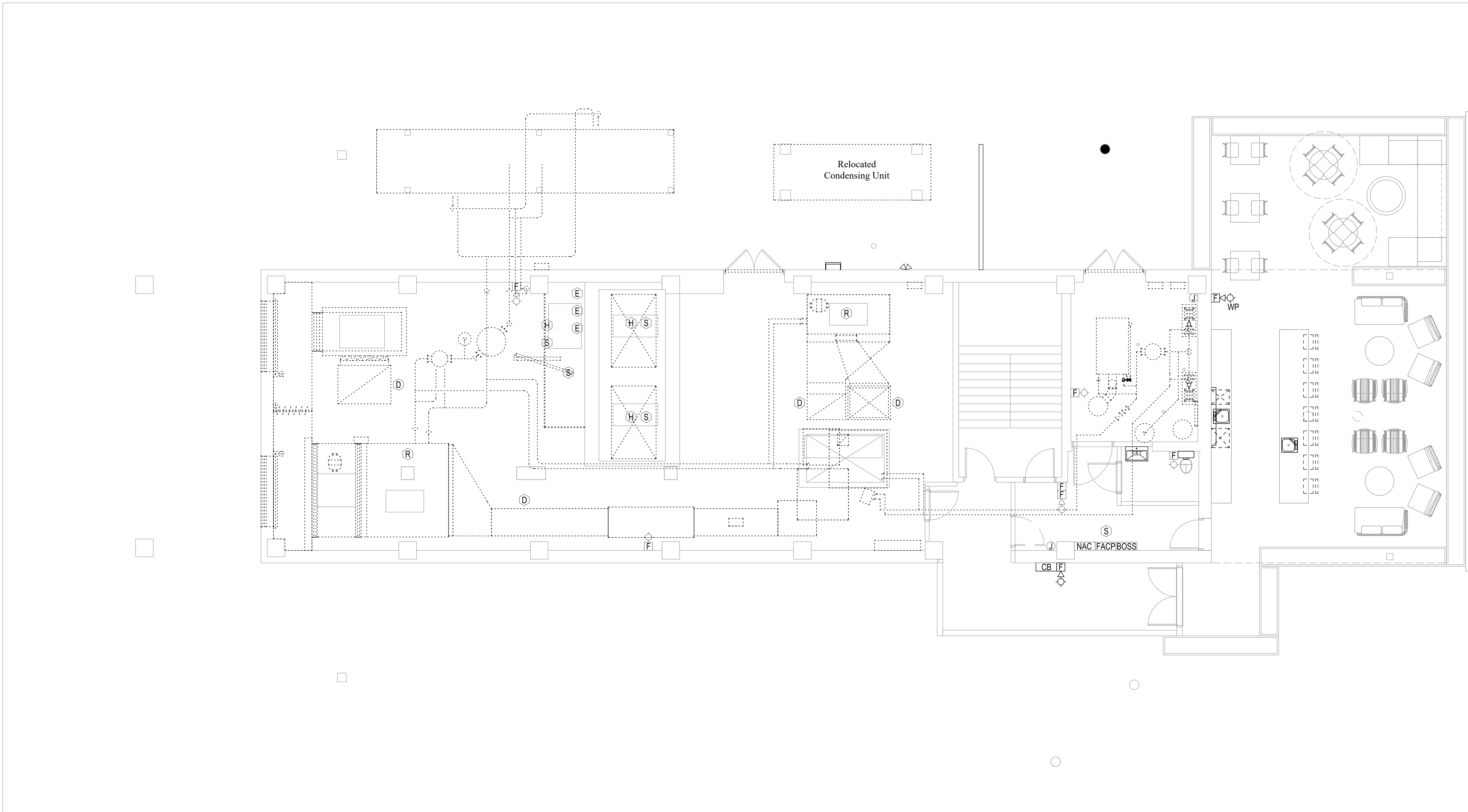
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New Work Fire Alarm Plan  
Penthouse Phase II



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NEW WORK FIRE ALARM PLAN PHASE II

5'0"5'10"

SCALE: 3/16"=1'-0"

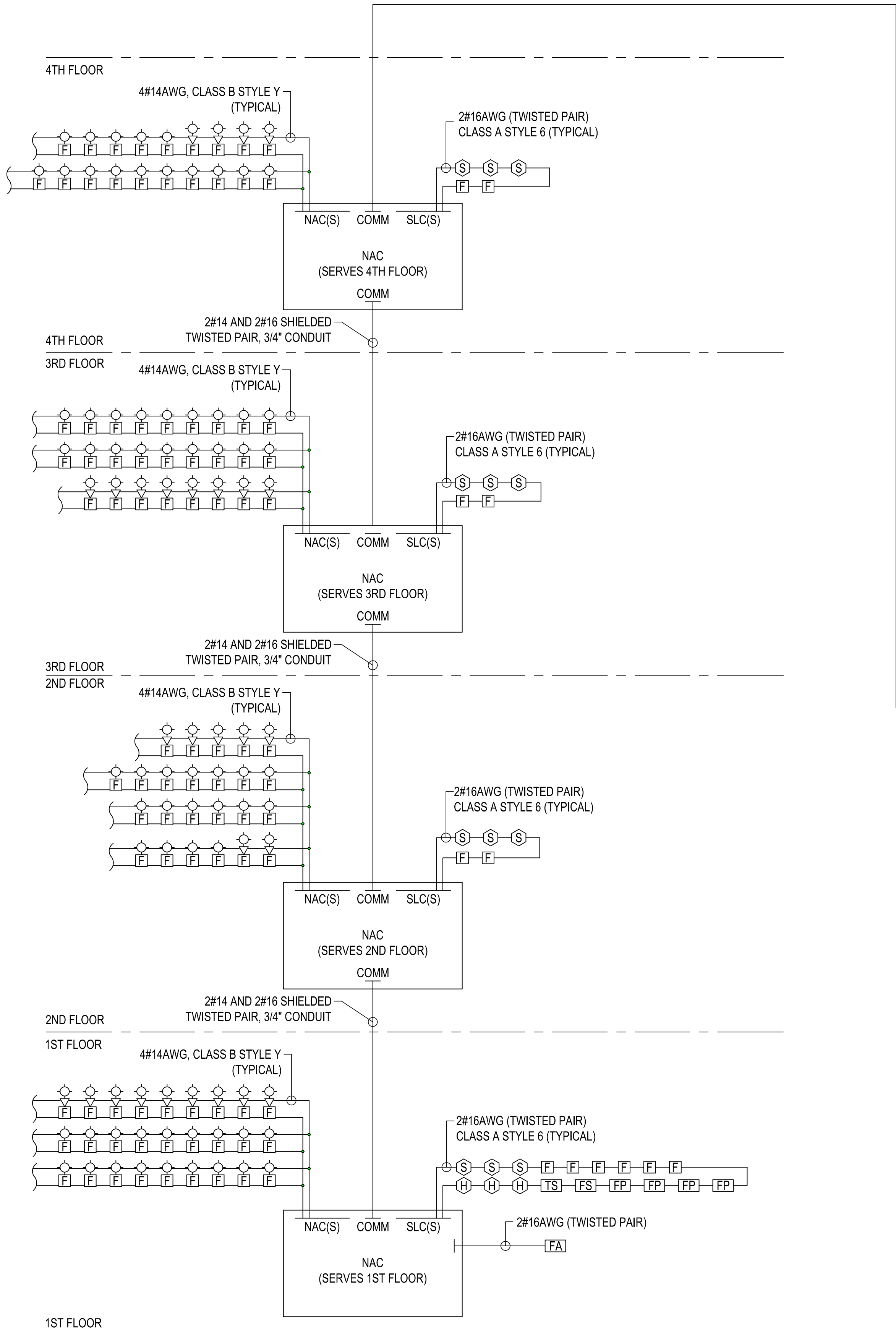




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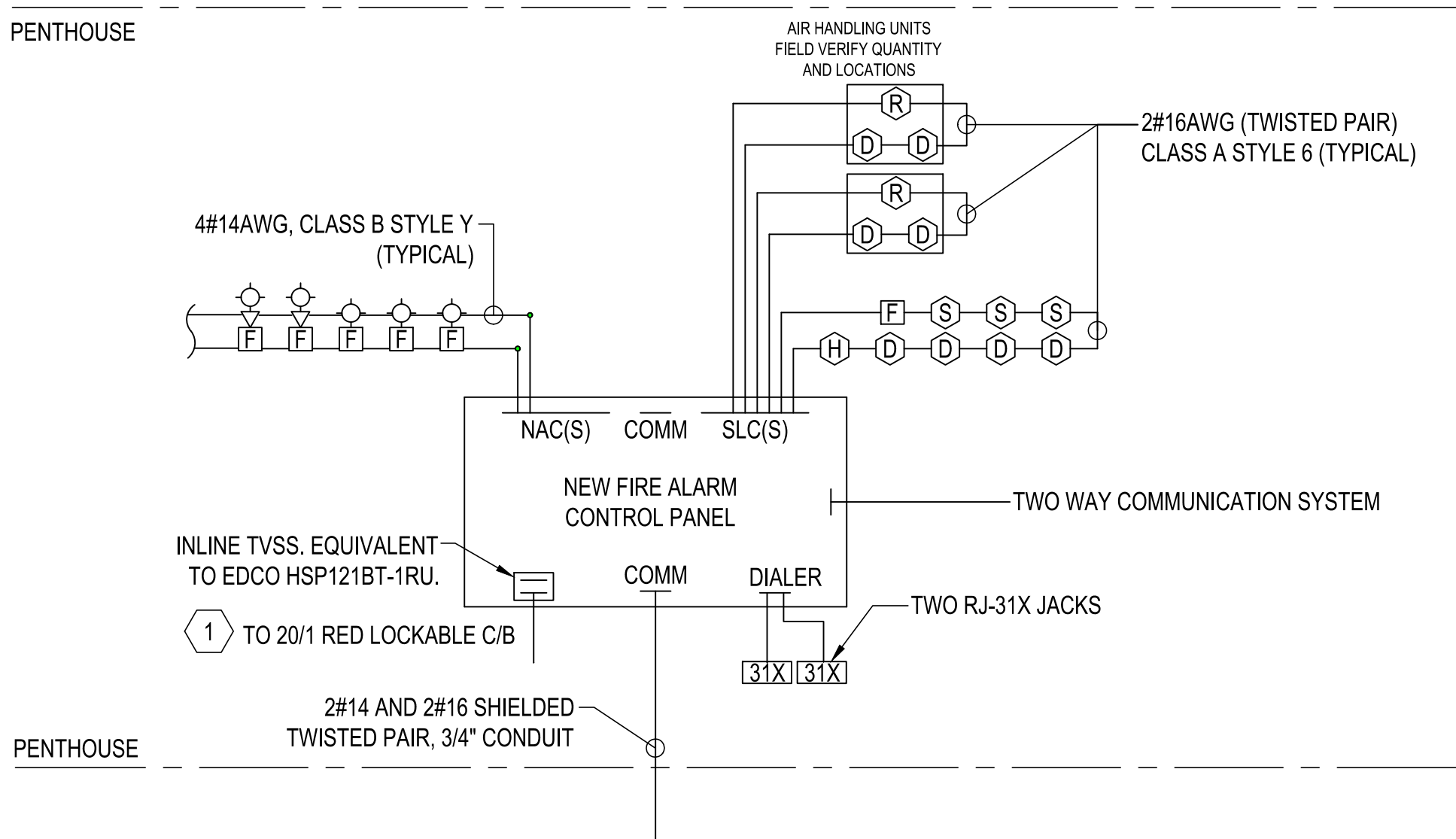
## SHEET NOTES

- THE CONTRACTOR IS TO UTILIZE THE EXISTING POWER CIRCUIT SERVING THE EXISTING FIRE ALARM CONTROL PANEL. LOCATE THE SERVING BREAKER AND REPLACE WITH A 20A / 1 POLE RED LOCKABLE BREAKER. FRONT EXTERIOR OF PANEL SERVING THE FACP IS TO BE LABELED INDICATING CIRCUIT SERVING THE FACP. LABEL IS TO BE RED ENGRAVED PLASTIC TAG WITH WHITE LETTERING.

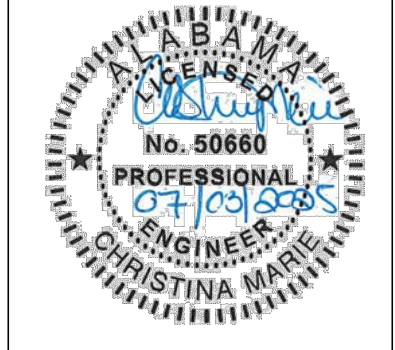
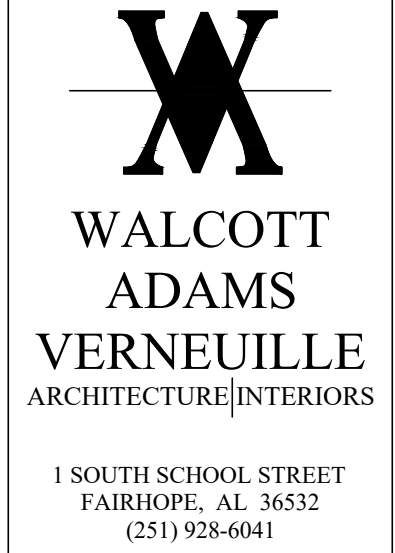


## 1 FIRE ALARM SYSTEM RISER DIAGRAM

NOT TO SCALE



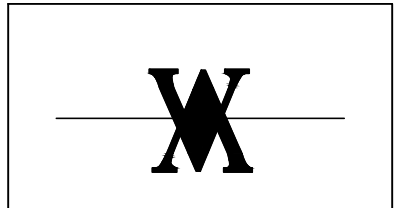
- FIRE ALARM RISER NOTES:
- THE NAC CIRCUIT IS SHOWN DIAGRAMMATIC. MAXIMUM NUMBER OF STROBES ON ANY CIRCUIT IS LIMITED. SEE SPECIFICATIONS.
  - CONNECTIONS TO CONTROL RELAYS FOR SMOKE DAMPERS ARE NOT SHOWN ON THE RISER. PROVIDE CONNECTIONS FOR SLC AND NAC AS REQUIRED FOR PROPER OPERATION.
  - SLC LOOP TO CONNECT TO ALL ADDRESSABLE FIRE ALARM SYSTEM DEVICES. VERIFY DEVICES FROM FLOOR PLANS. PROVIDE ADDITIONAL LOOP(S) AS REQUIRED. SEE SPECIFICATIONS.
  - 3/4" MINIMUM CONDUIT SIZE FOR FIRE ALARM SYSTEM CIRCUITS. ALL CIRCUITS SHALL BE IN CONDUIT DEDICATED TO THE FIRE ALARM SYSTEM.
  - BATTERY CABINETS AND NAC EXPANDERS TO BE LOCATED AS NEEDED IN ELECTRICAL ROOMS ONLY.
  - THE FIRE ALARM CONTRACTOR IS TO RECONNECT THE BACK FLOW PREVENTER DEVICE TO THE NEW FIRE ALARM PANEL. PROVIDE AND INSTALL ADDITIONAL WIRE AS REQUIRED TO ATTAIN A FUNCTIONAL SYSTEM.
  - THE FIRE ALARM CONTRACTOR IS TO RECONNECT THE WATER GONG TO THE NEW FIRE ALARM PANEL. PROVIDE AND INSTALL ADDITIONAL WIRE AS REQUIRED TO ATTAIN A FUNCTIONAL SYSTEM.
  - TAMPER AND FLOW SWITCHES BY SPRINKLER CONTRACTOR. FIRE ALARM CONTRACTOR SHALL PROVIDE ADDRESSABLE MONITOR MODULES, CONNECTION TO TAMPER / FLOW SWITCHES, AND CONNECTION TO FIRE ALARM SYSTEM. FIRE ALARM CONTRACTOR SHALL COORDINATE EXACT LOCATION OF TAMPER / FLOW SWITCHES WITH SPRINKLER CONTRACTOR.



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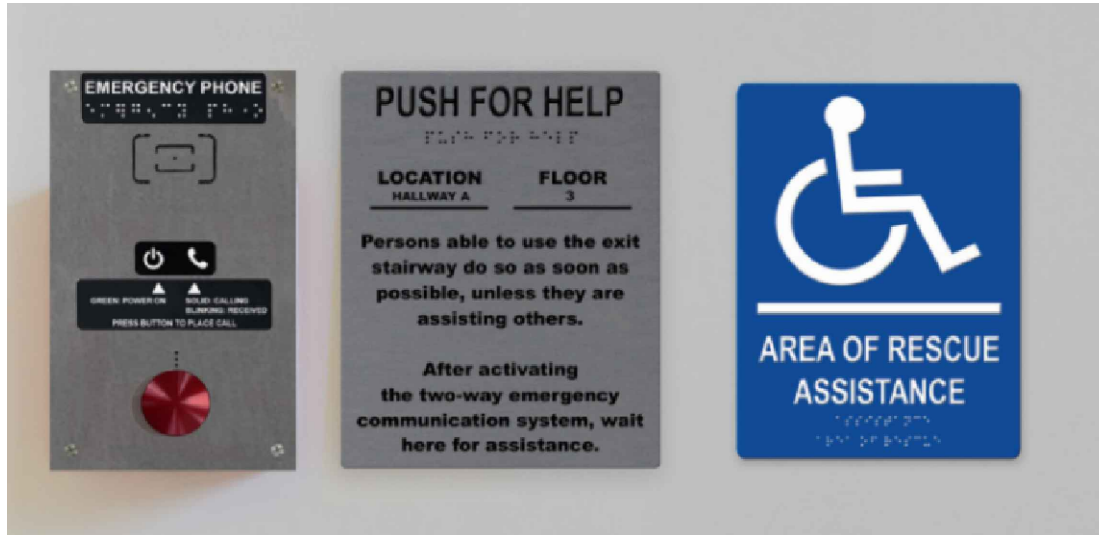
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Revised	
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Revised	
Revised	
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E4.0  
Fire Alarm Riser

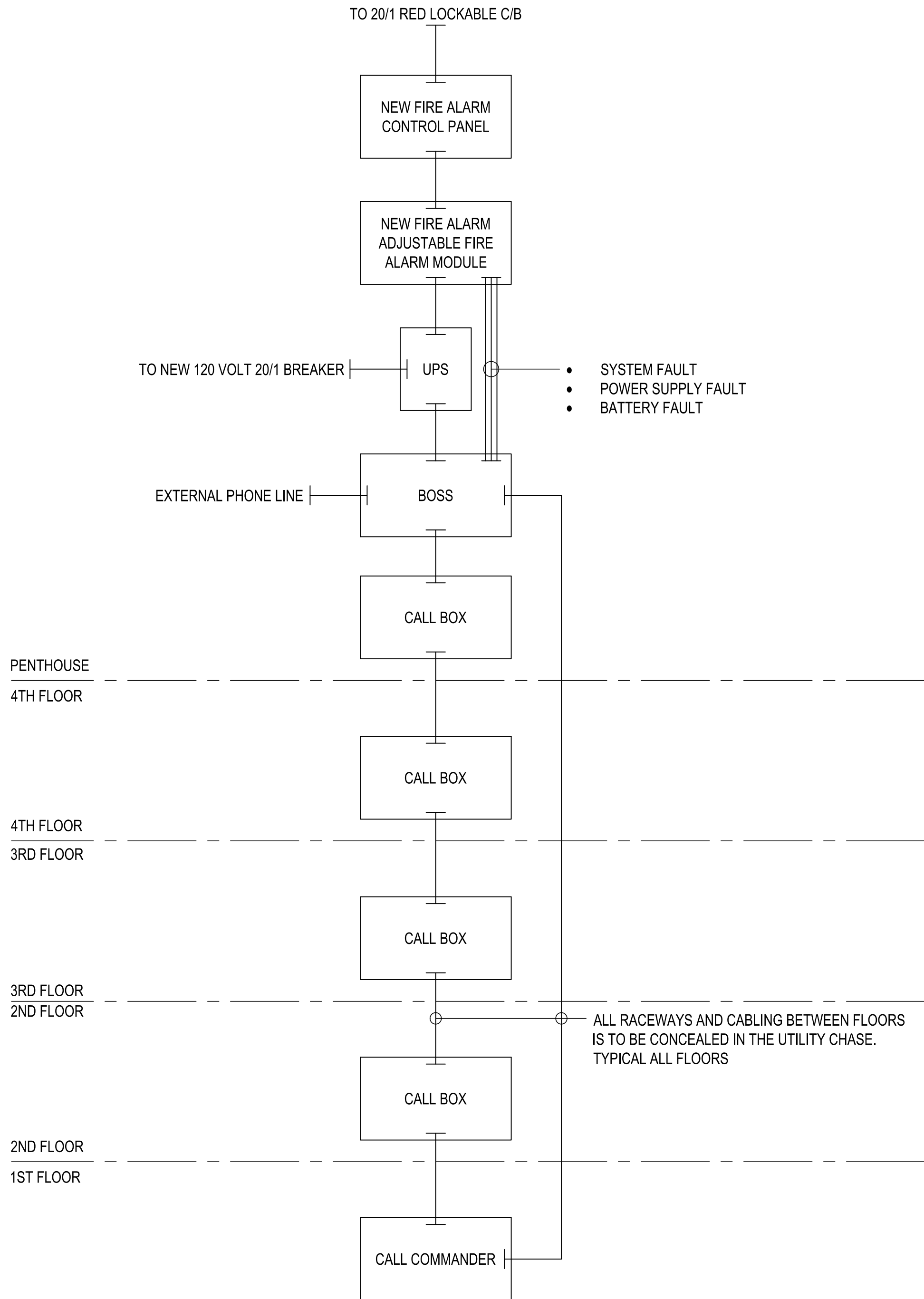


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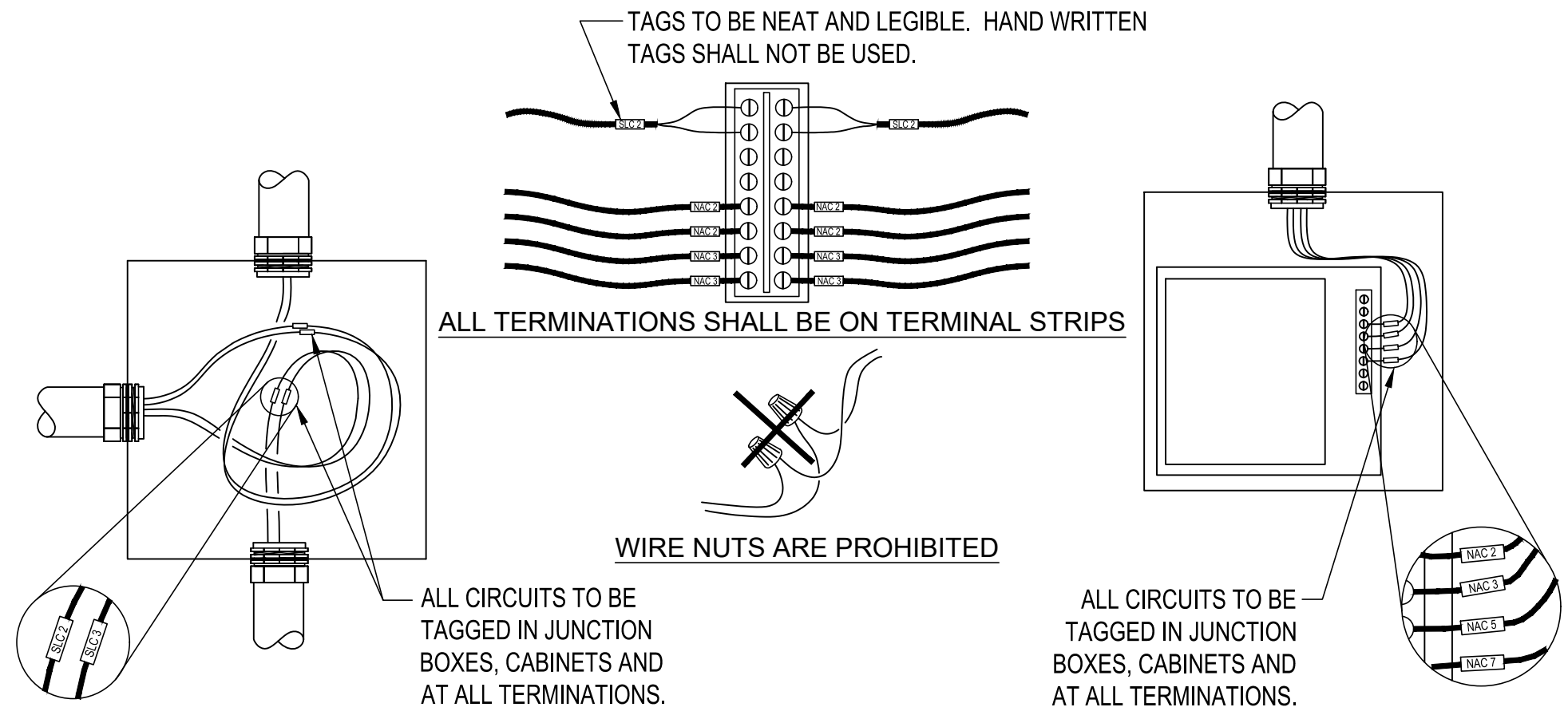
2 TWO WAY COMMUNICATION SINAGE (EXAMPLE)  
NOT TO SCALE



TWO WAY COMMUNICATION NOTES:

1. CONNECTIONS TO SYSTEM USES CLASS B WIRING - SIZING AS REQUIRED BY MANUFACTURE.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A NEW 120 VOLT 20 AMP CIRCUIT TO SUPPORT THE SYSTEM.
3. BASIS OF DESIGN IS RATH BY AVIRE - THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF SYSTEM WITH FINAL SELECTION AND PROVIDE / INSTALL AS REQUIRED (RACEWAYS, CABLING, CIRCUITS, ETC.) FOR A FULLY FUNCTIONAL SYSTEM.
4. PROVIDE SINAGE WITH INSTRUCTIONS AS REQUIRED AT EACH CALL BOX / COMMANDER LOCATION.

1 TWO WAY COMMUNICATIONM RISER DIAGRAM  
NOT TO SCALE

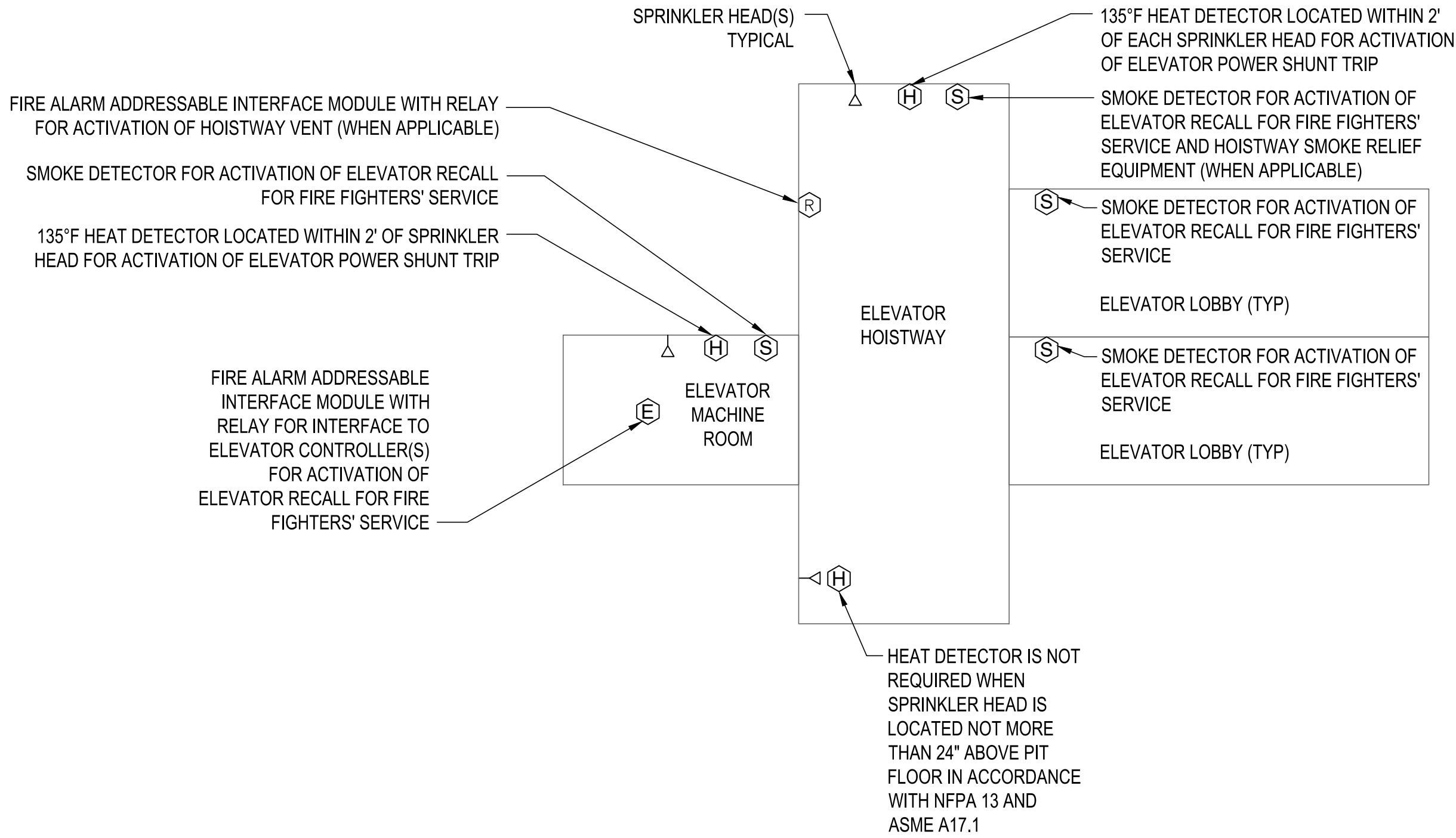


① FIRE ALARM CONTROL PANEL ①  
FED FROM PANEL 2X-##

ENGRAVED PLASTIC TAG WITH 1/4" HIGH WHITE LETTERS ON RED BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS. ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. 1"X3" DIMENSIONS ARE MINIMUM, TAG SHALL BE LARGER AS REQUIRED TO FIT APPROPRIATE TEXT.

① FIRE ALARM SYSTEM REMOTE ANNUNCIATOR ①

1 FIRE ALARM SYSTEM LABELING DETAIL  
NOT TO SCALE



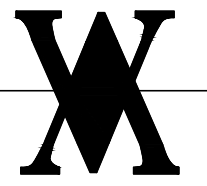
2 ELEVATOR ELECTRICAL REQUIREMENTS  
NOT TO SCALE

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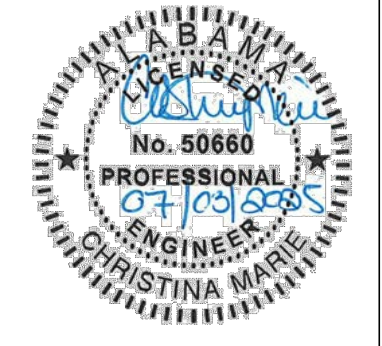


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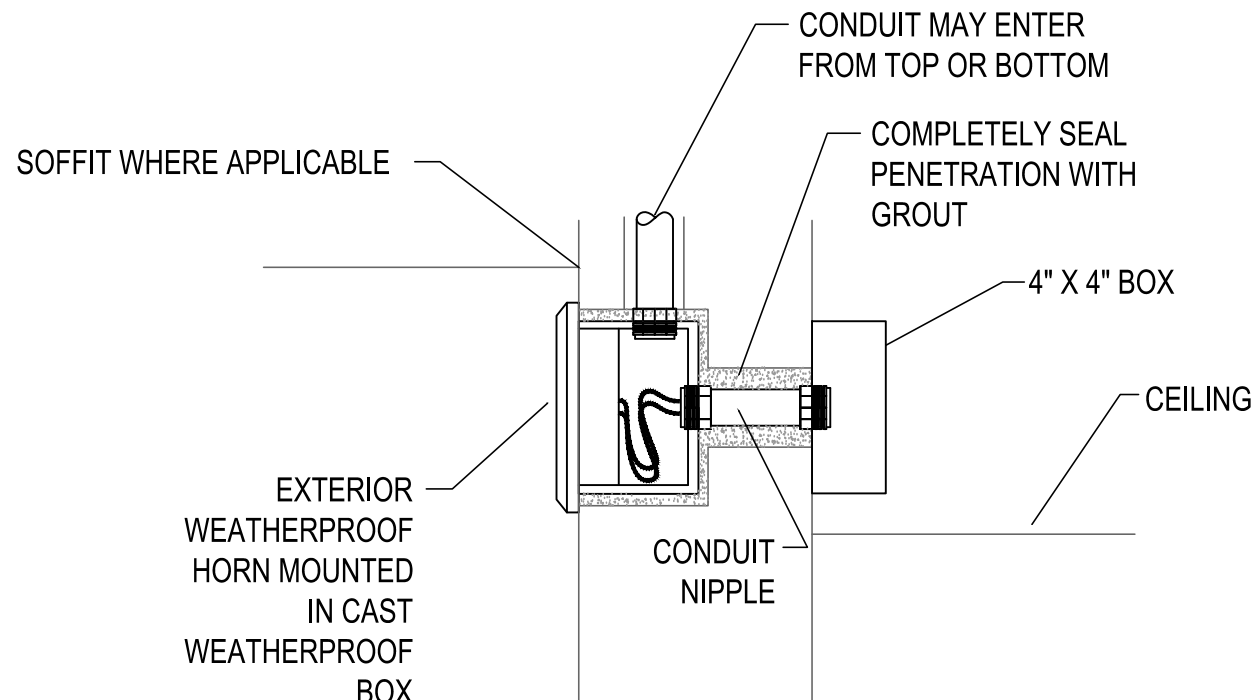
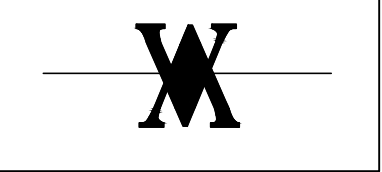


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International Trade Center  
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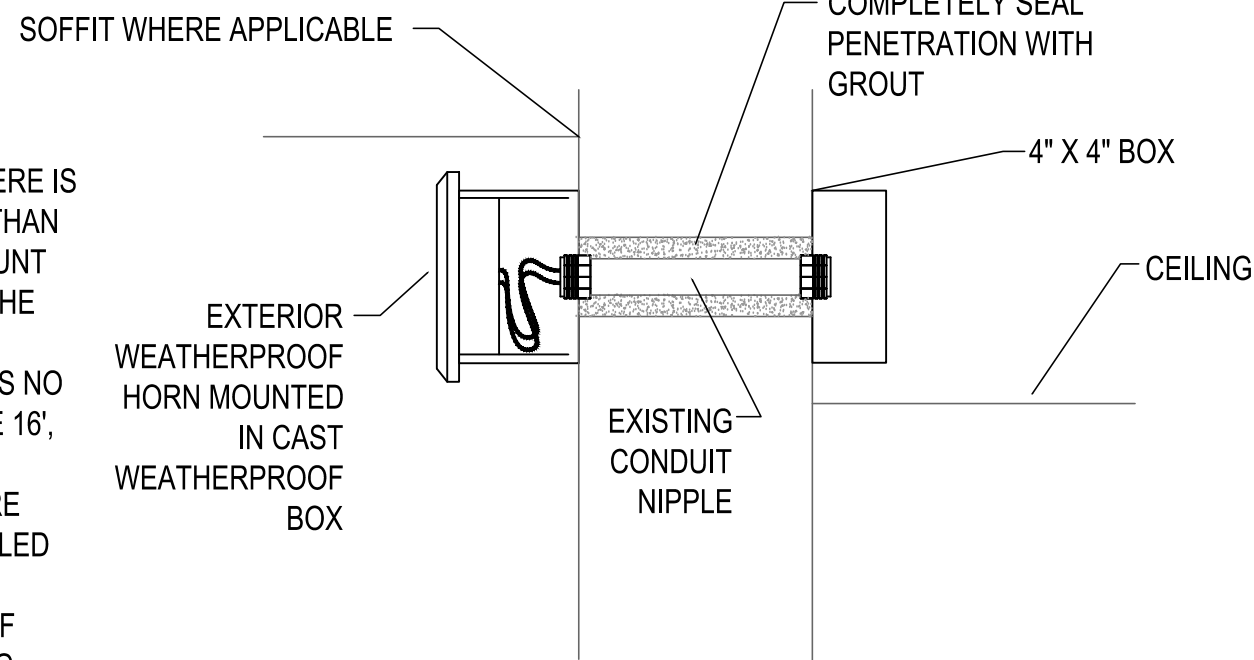
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E4.2

Fire Alarm Details



RECESSED MOUNTING - FOR NEW EXTERIOR WALLS



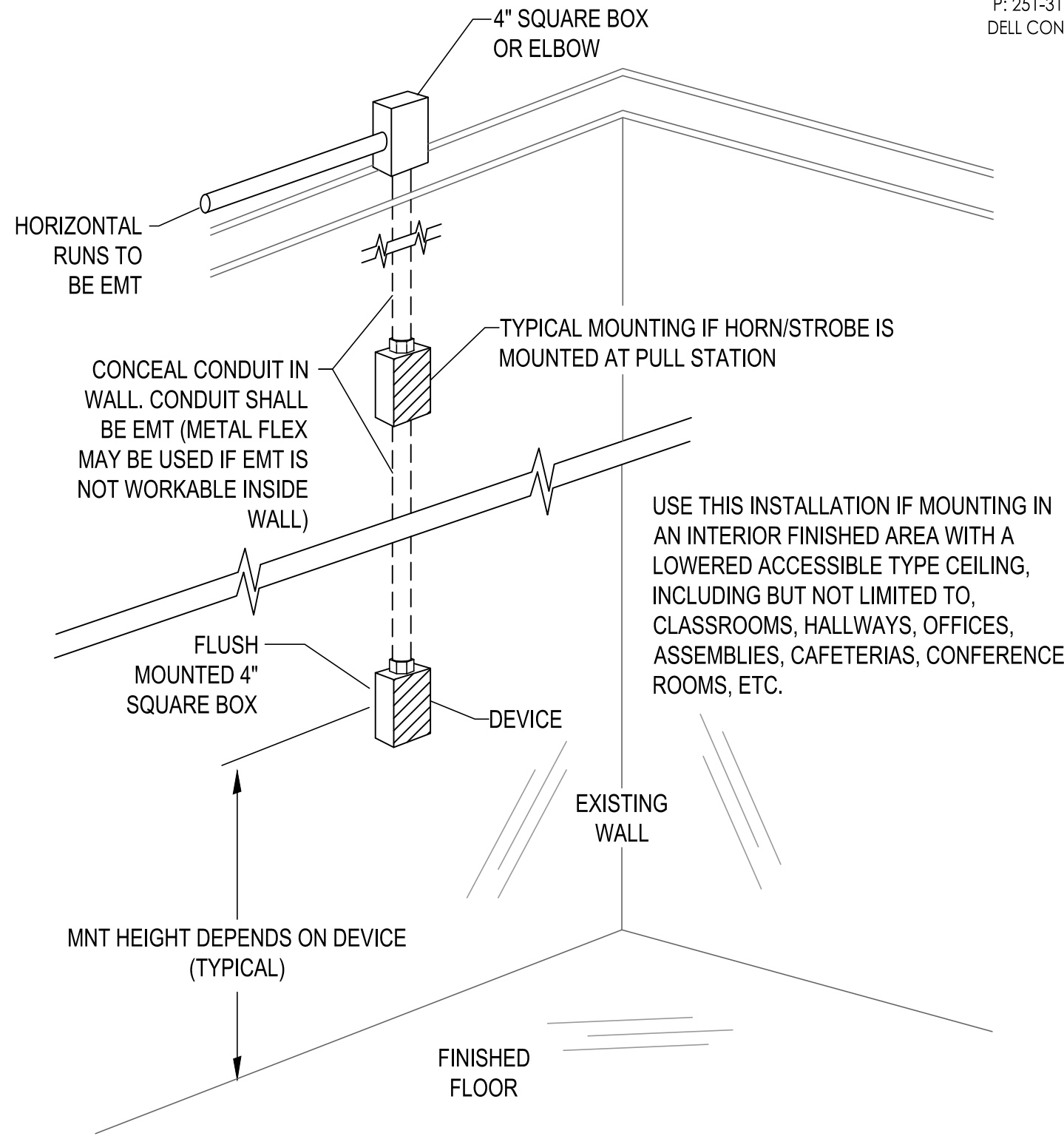
SURFACE MOUNTING - FOR EXISTING WALLS ONLY

GENERAL NOTE: IF THERE IS A SOFFIT NO HIGHER THAN 16' ABOVE GRADE, MOUNT THE HORN 6" BELOW THE SOFFIT TO MINIMIZE EXPOSURE. IF THERE IS NO SOFFIT OR IT IS ABOVE 16', MOUNT THE HORN 12' ABOVE GRADE. SECURE DEVICE BOX WITH SEALED ANCHOR SCREWS PROVIDED WITH BOX. IF REUSING AN EXISTING EXTERIOR HORN MOUNTING LOCATION, PROVIDE A NEW WEATHERPROOF BOX AND DEVICE AND REUSE CONDUIT ONLY.

1

EXTERIOR HORN MOUNTING DETAIL

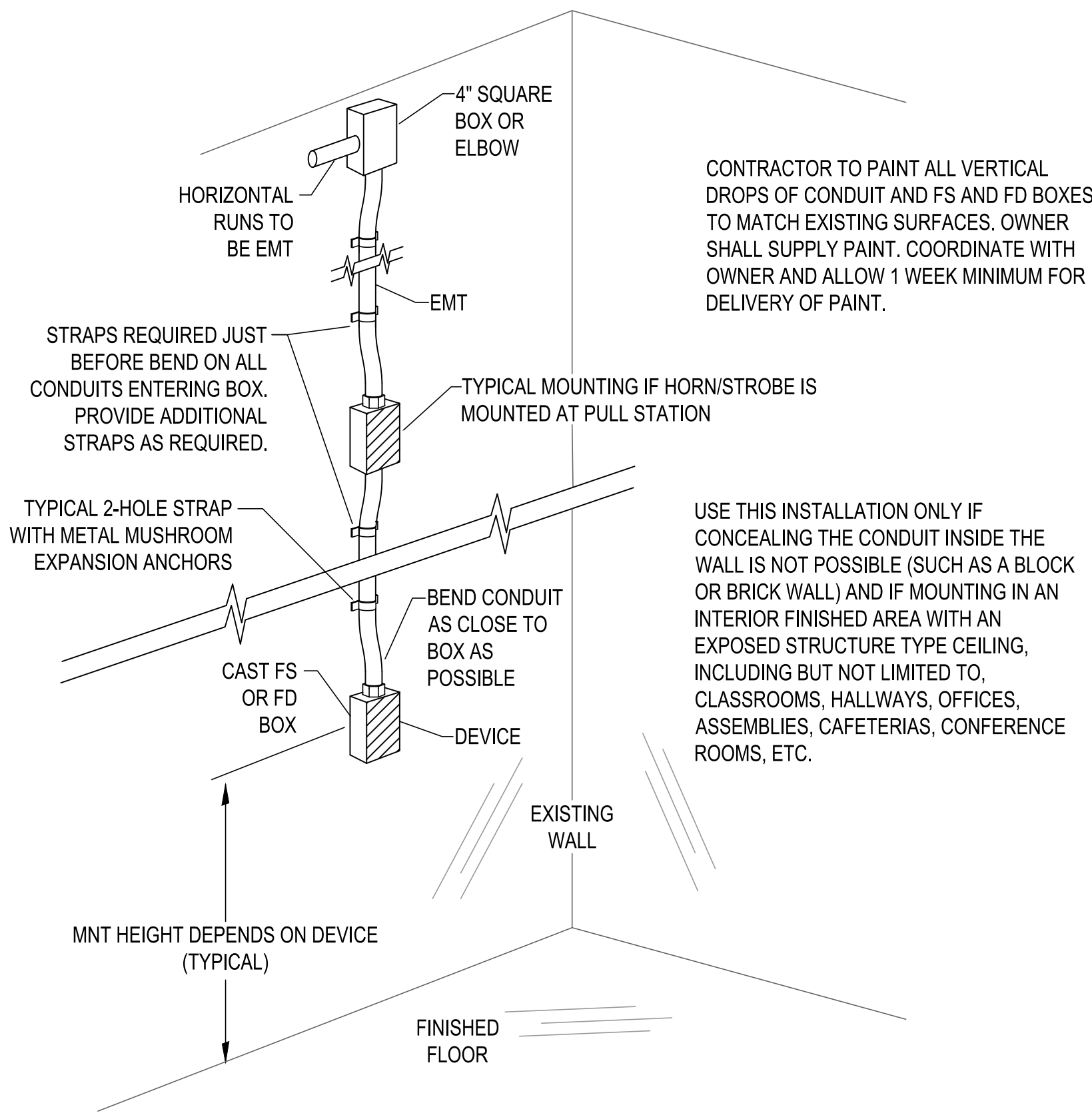
NOT TO SCALE



2

STANDARD MOUNTING FOR FIRE ALARM DEVICES

NOT TO SCALE

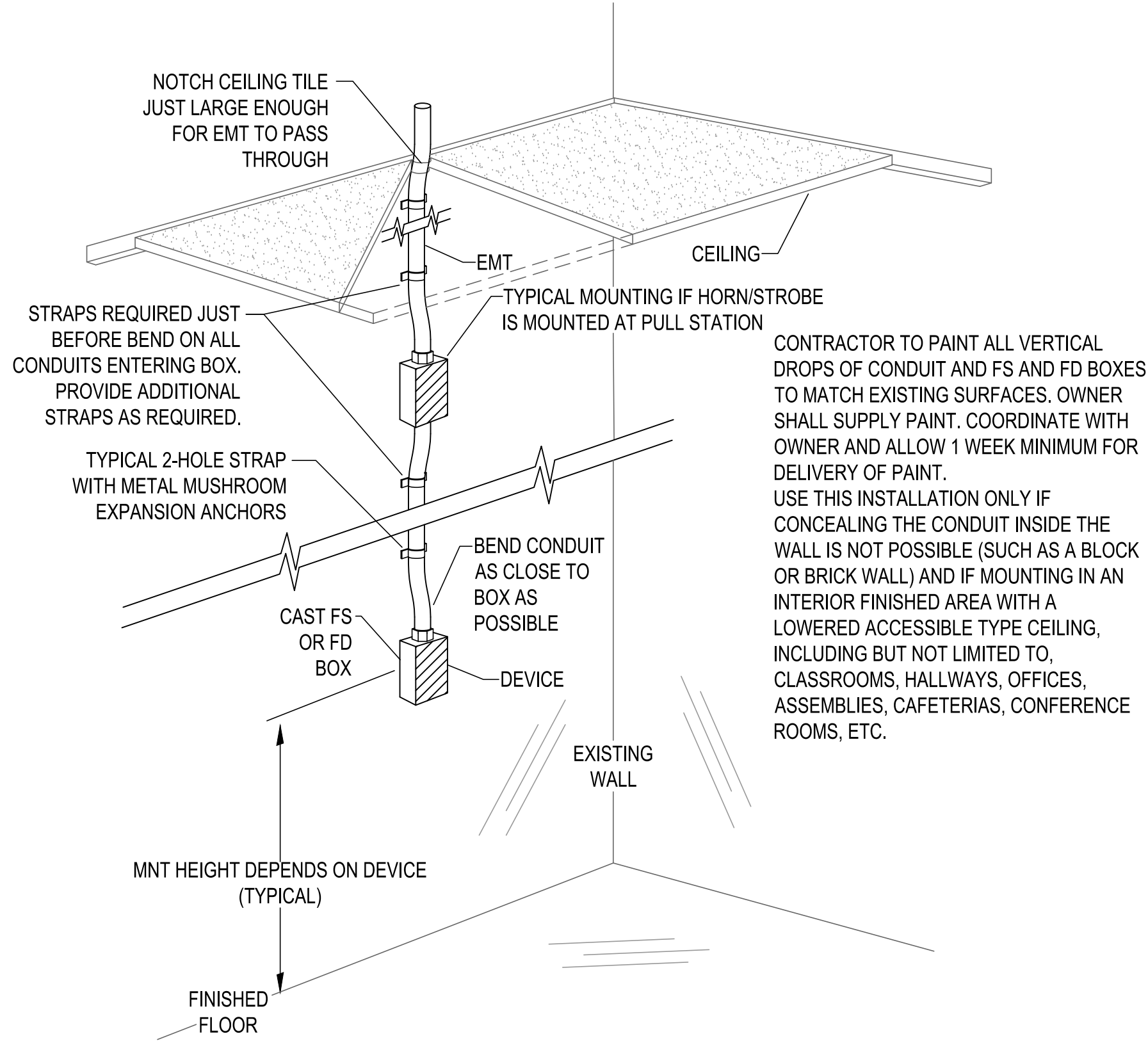


USE THIS MOUNTING ONLY IF WALL IS MADE OF BLOCK

3

SURFACE MOUNTING FOR FIRE ALARM DEVICE - EXPOSED CEILING TYPES

NOT TO SCALE



USE THIS MOUNTING ONLY IF WALL IS MADE OF BLOCK

4

SURFACE MOUNTING FOR FIRE ALARM DEVICE IN ACCESSIBLE CEILING TYPES

NOT TO SCALE

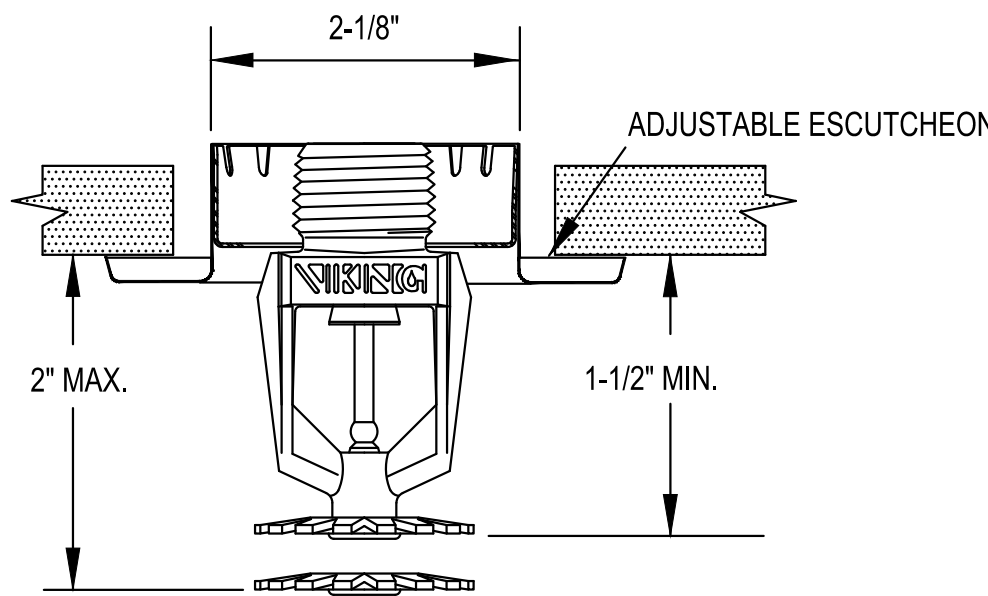


GENERAL SHEET NOTES

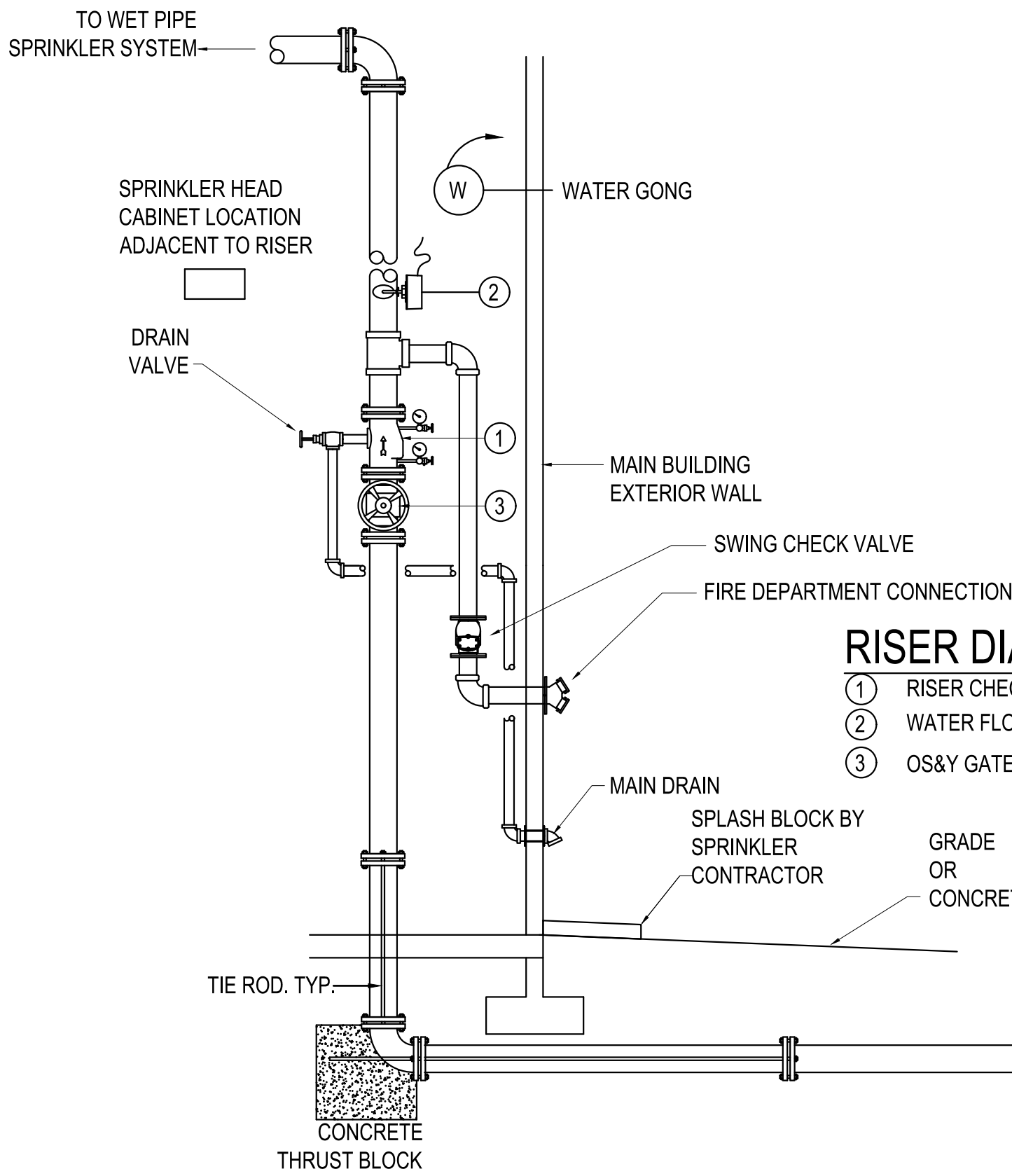
1. TAMPER AND FLOW SWITCHES BY SPRINKLER CONTRACTOR. FIRE ALARM CONTRACTOR SHALL PROVIDE ADDRESSABLE MONITOR MODULES, CONNECTION TO TAMPER/FLOW SWITCHES, AND CONNECTION TO FIRE ALARM SYSTEM. FIRE ALARM CONTRACTOR SHALL COORDINATE EXACT LOCATION OF TAMPER/FLOW SWITCHES WITH SPRINKLER CONTRACTOR.
2. PROVIDE WET PIPE SPRINKLER PROTECTION PER THE LATEST NFPA 13 FOR THE ENTIRE BUILDING, BELOW THE CEILING, INCLUDING THE MECHANICAL PENTHOUSE SPACE AND THE ROOFTOP OUTDOOR EVENT SPACE. PROVIDE FREEZE PROTECTION OR SIDE WALL COVERAGE AT ROOFTOP EVENT SPACE AS NECESSARY.
3. COORDINATE EXACT LOCATION OF ALL SPRINKLERS WITH THE CEILING AND LIGHTING LAYOUT.
4. LIGHT FIXTURES AND HVAC DIFFUSERS TAKE PRECEDENCE. ADD ADDITIONAL SPRINKLERS AS REQUIRED TO MEET "COVERAGE REQUIREMENTS".
5. IN MECHANICAL AND JANITOR'S ROOMS FINAL LOCATION OF SPRINKLERS SHALL BE DETERMINED AFTER EQUIPMENT AND DUCTWORK ARE IN PLACE. CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLERS, IF NECESSARY, TO PROVIDE ADEQUATE COVERAGE IN ACCORDANCE WITH NFPA 13.
6. PROVIDE A LISTED GUARD FOR SPRINKLERS IN LOCATIONS SUBJECT TO MECHANICAL INJURY. THESE AREAS SHALL INCLUDE MECHANICAL ROOMS, ELECTRICAL ROOMS, UNDER STAIRWELL LANDING.
7. ROUTE SPRINKLER PIPING WITHIN THE TRUSS SPACE. CEILING SPACE BELOW THE TRUSSES IS FOR HVAC, ELECTRICAL, AND PLUMBING.
8. REFERENCE ARCHITECTURAL PLANS FOR CEILING TYPES AND HEIGHTS. PROVIDE COVERAGE PER NFPA 13 ACCORDINGLY.
9. SUBMIT ENGINEER STAMPED DRAWINGS FOR APPROVAL BY THE LOCAL GOVERNING AUTHORITY PRIOR TO BEGINNING ANY WORK.
10. PROVIDE CONCEALED HEADS IN LOCATIONS WITH LAY-IN OR GYPSUM CEILINGS. ESCUTCHEONS OR COVERS SHALL MATCH THE CEILING COLOR.
11. ALL WORK SHALL BE INSTALLED IN COMPLIANCE WITH THE REQUIREMENTS OF NFPA 13. ALL PIPING EXPOSED TO VIEW SHALL BE PAINTED TO MATCH SURROUNDINGS.

CALCULATIONS REQUIREMENTS

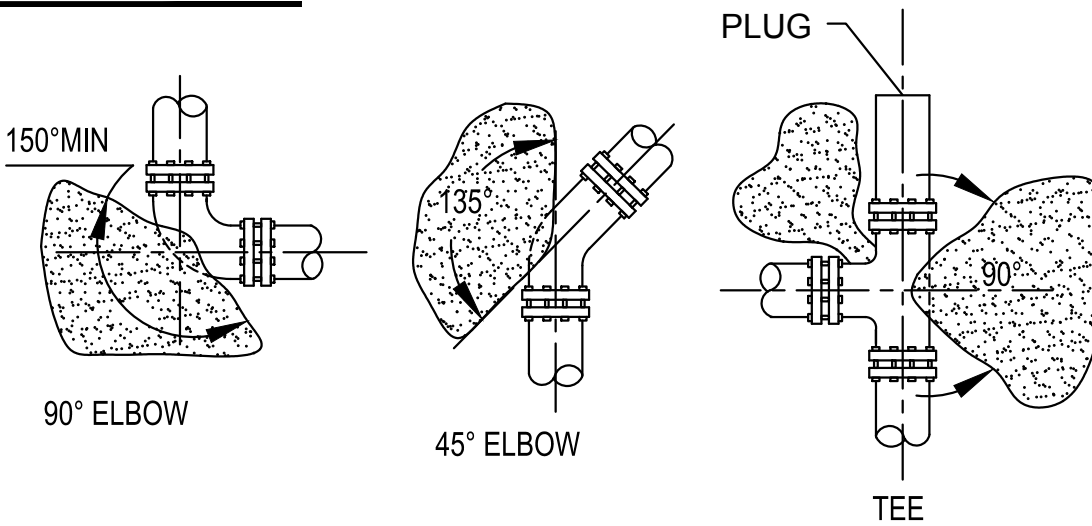
1. THE SYSTEM SHALL BE HYDRAULICALLY DESIGNED WITH A HOSE STREAM ALLOWANCE OF 250 GPM FOR LIGHT HAZARD AND 500 GPM FOR ORDINARY HAZARD AND DENSITY VALUES AS FOLLOWS:
  - LIGHT HAZARD DENSITY = 0.10 GPM/SF OVER THE MOST DEMANDING 1500 SQ. FT. WITH 225 SQ. FT. MAX COVERAGE FOR SPRINKLERS.
  - ORDINARY HAZARD GROUP 1 DENSITY = 0.15 GPM/SF OVER THE MOST DEMANDING 1500 SQ. FT. WITH 130 SF MAX COVERAGE FOR SPRINKLERS.
2. PROVIDE SHOP DRAWING AND CALCULATIONS:
  - ALL PIPING LABELED WITH REFERENCE TO HYDRAULIC CALCULATIONS.
  - PROVIDE QUALITY, MANUFACTURE, MODEL#, RATING, ORIFICE SIZE OF ALL SPRINKLER HEADS PROVIDED LIST ON SHOP DRAWING.
  - PIPE TYPE.
  - REMOTE AREA LOCATION.
  - HANGER DETAILS
  - HAZARD CLASSIFICATION
  - FLOW DATA.
3. SEISMIC NOTE: THE AREA SEISMIC REQUIREMENTS ARE MEET USING STANDARD NFPA 13 SUPPORTS.



4 SPRINKLER HEAD DETAIL  
NOT TO SCALE

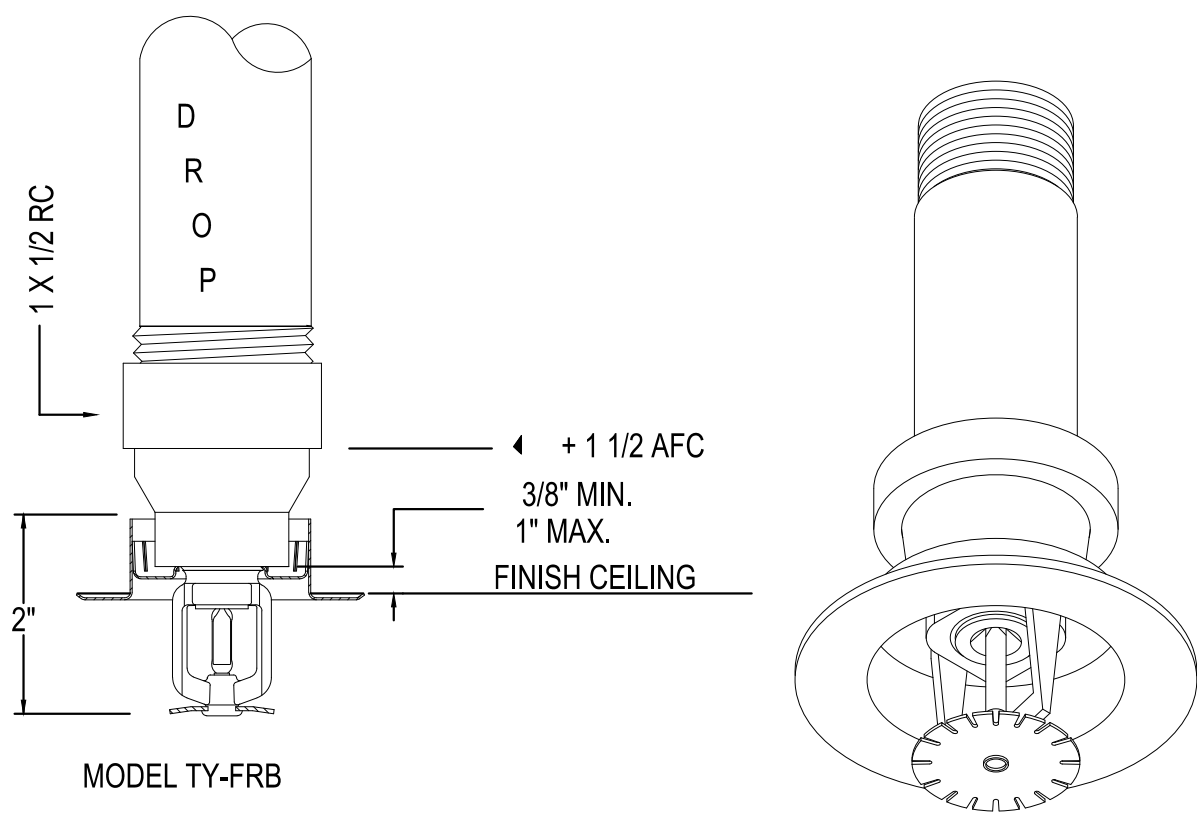


1 WET PIPE FIRE RISER DETAIL  
NOT TO SCALE

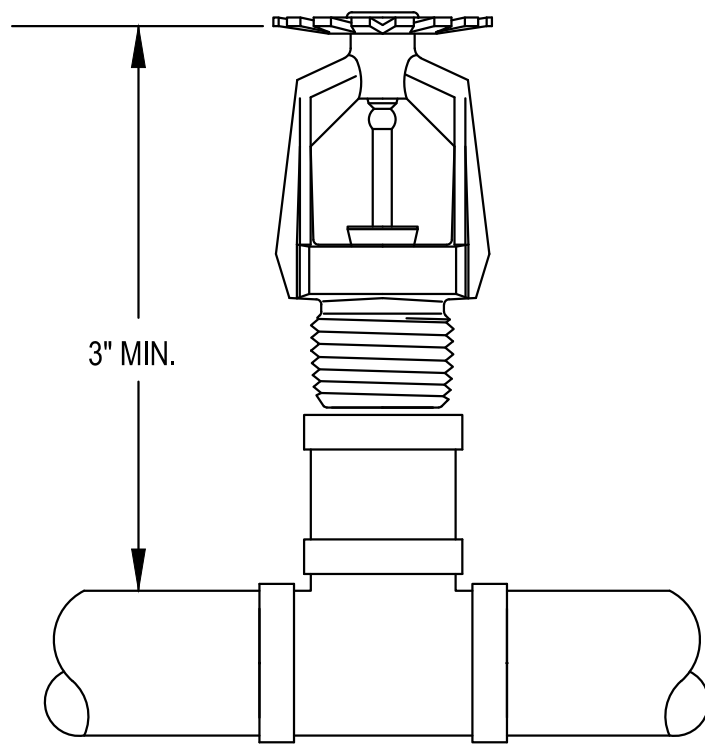


NOTE: USE 2500 LBS. PER SQUARE INCH MINIMUM CONCRETE FOR ALL REACTION BLOCKS. PROVIDE VISQUEEN OR FELT BETWEEN THE CONCRETE AND THE PIPE.

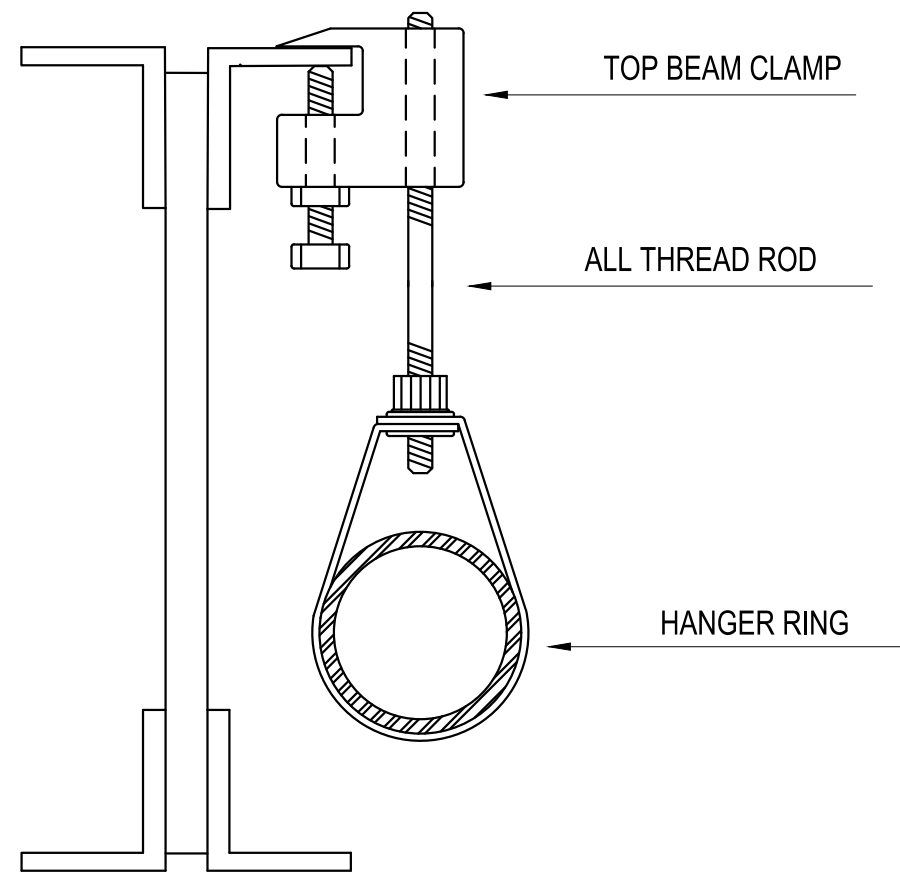
3 TYPICAL THRUST BLOCK DETAIL  
NOT TO SCALE



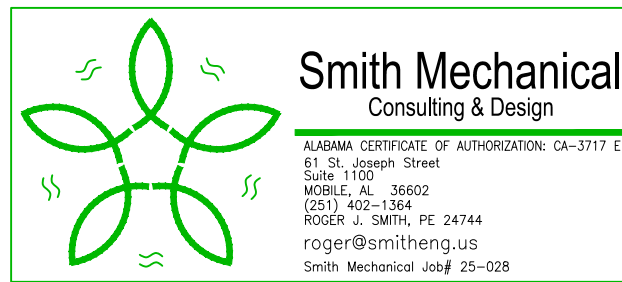
5 RECESSED SPRINKLER HEAD DETAIL  
NOT TO SCALE



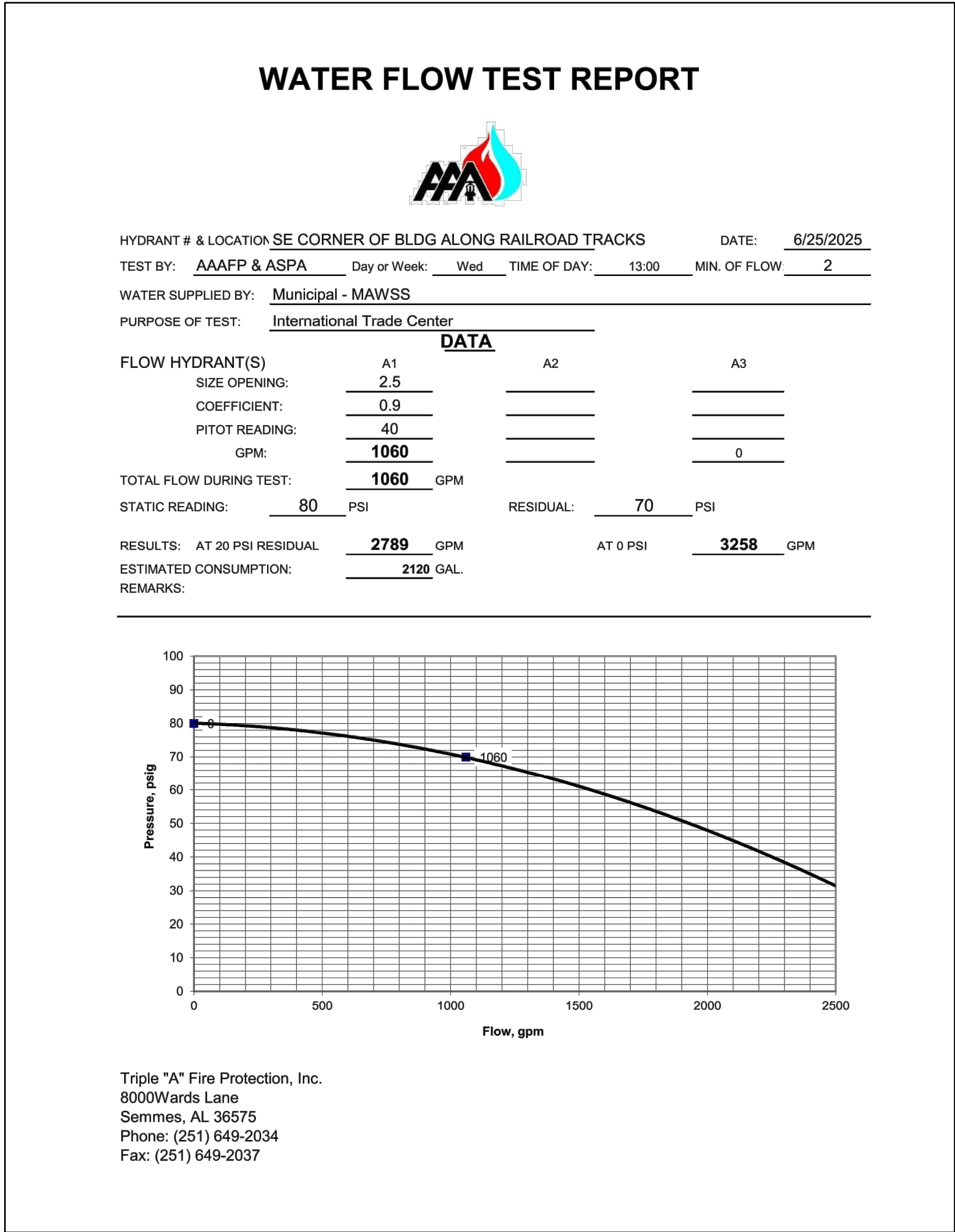
6 UPRIGHT SPRINKLER HEAD DETAIL  
NOT TO SCALE



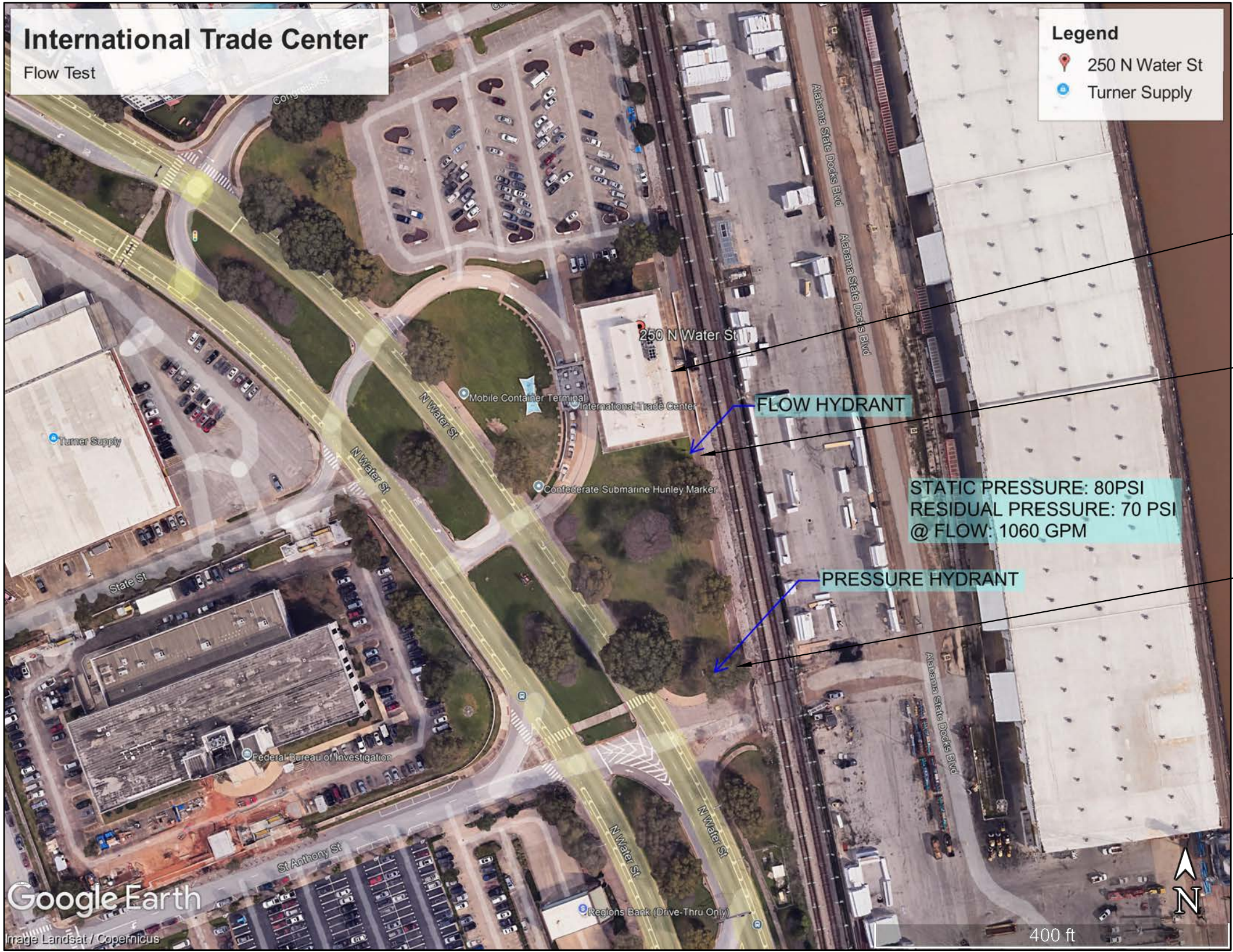
7 TOP BEAM CLAMP DETAIL  
NOT TO SCALE





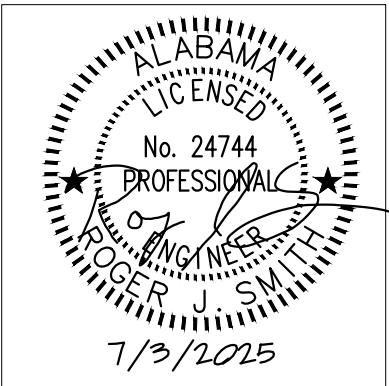
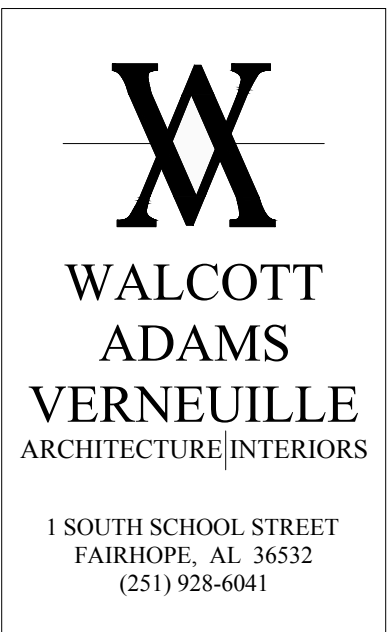
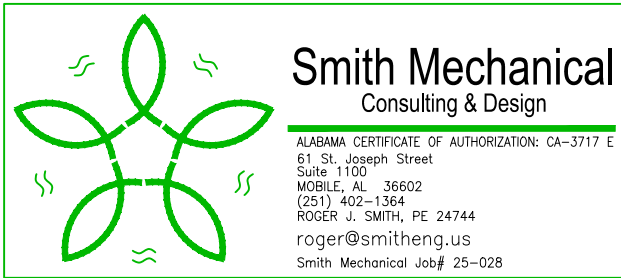


2 ITC FLOW TEST DATA  
NOT TO SCALE



1 ITC FIRE SPRINKLER SITE PLAN FLOW TEST DATA  
NOT TO SCALE

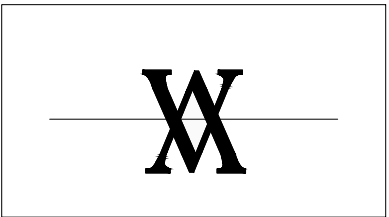
- 1 INTERNATIONAL TRADE CENTER BUILDING
- 2 EXISTING BACKFLOW PREVENTER.
- 3 EXISTING FIRE HYDRANT.



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F1.1  
FIRE SPRINKLER FLOW  
TEST DATA

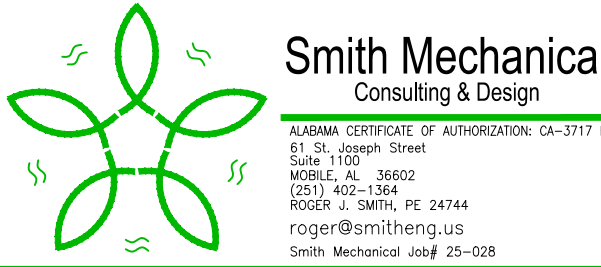


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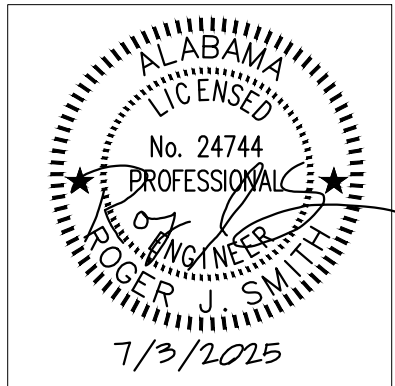
- 2 EXISTING FIRE RISER AND ASSOCIATED RISER PUMP TO BE REMOVED. REMOVE ASSOCIATED POWER AND FIRE ALARM CONNECTIONS ENTIRELY. PATCH FLOOR AS NECESSARY TO MATCH SURROUNDING.
- 3 REMOVE FIRE HOSE CABINET AND ASSOCIATED FIRE SPRINKLER PIPING ENTIRELY. FIELD VERIFY EXISTING PIPING AND CABINET LOCATIONS. PATCH WALLS TO MATCH SURROUNDING.



**W  
A  
M**

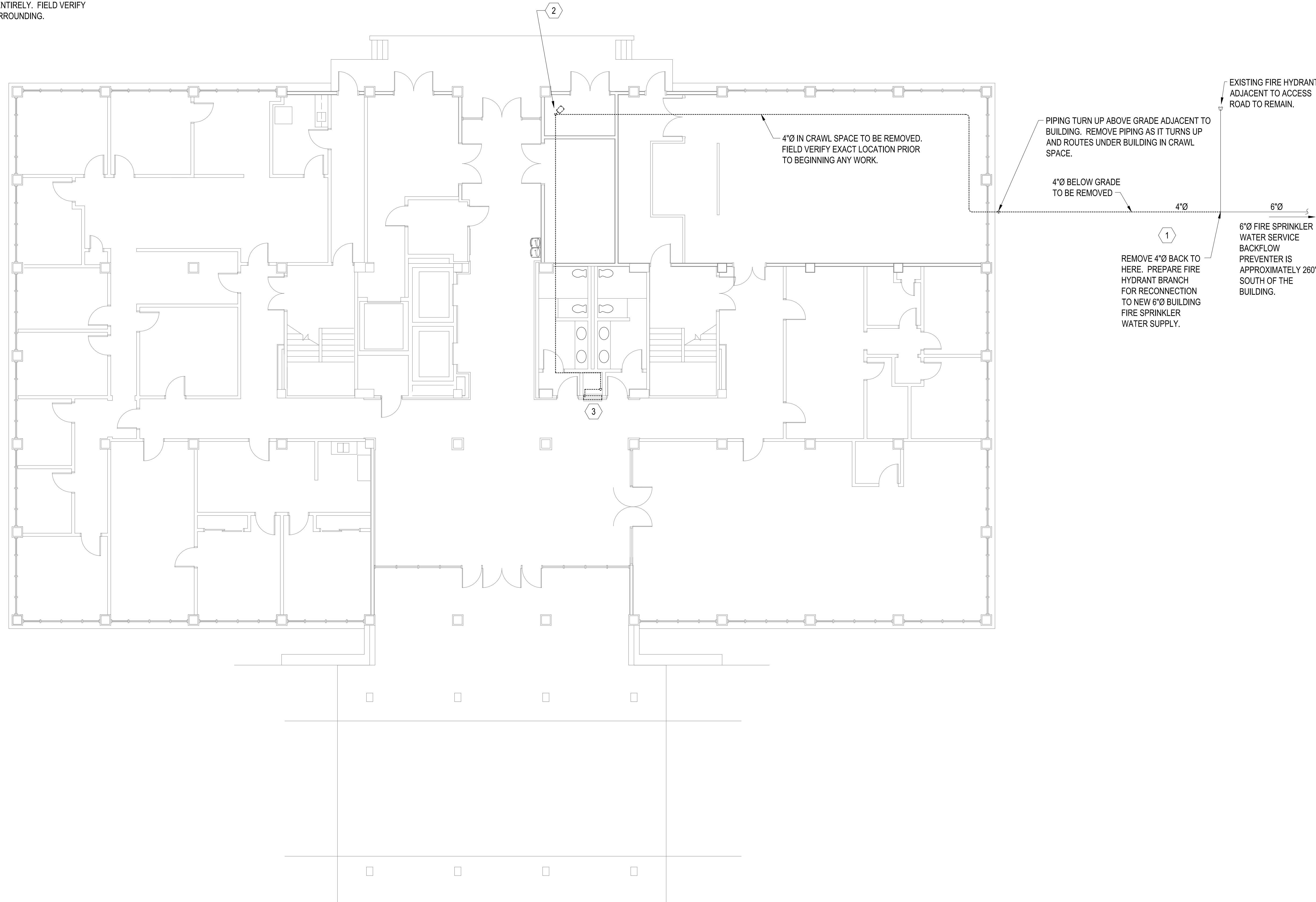
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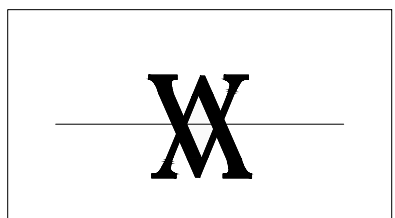


**1 EXISTING FIRE SPRINKLER PLAN - FIRST FLOOR**

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## F2.0

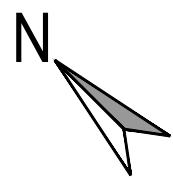
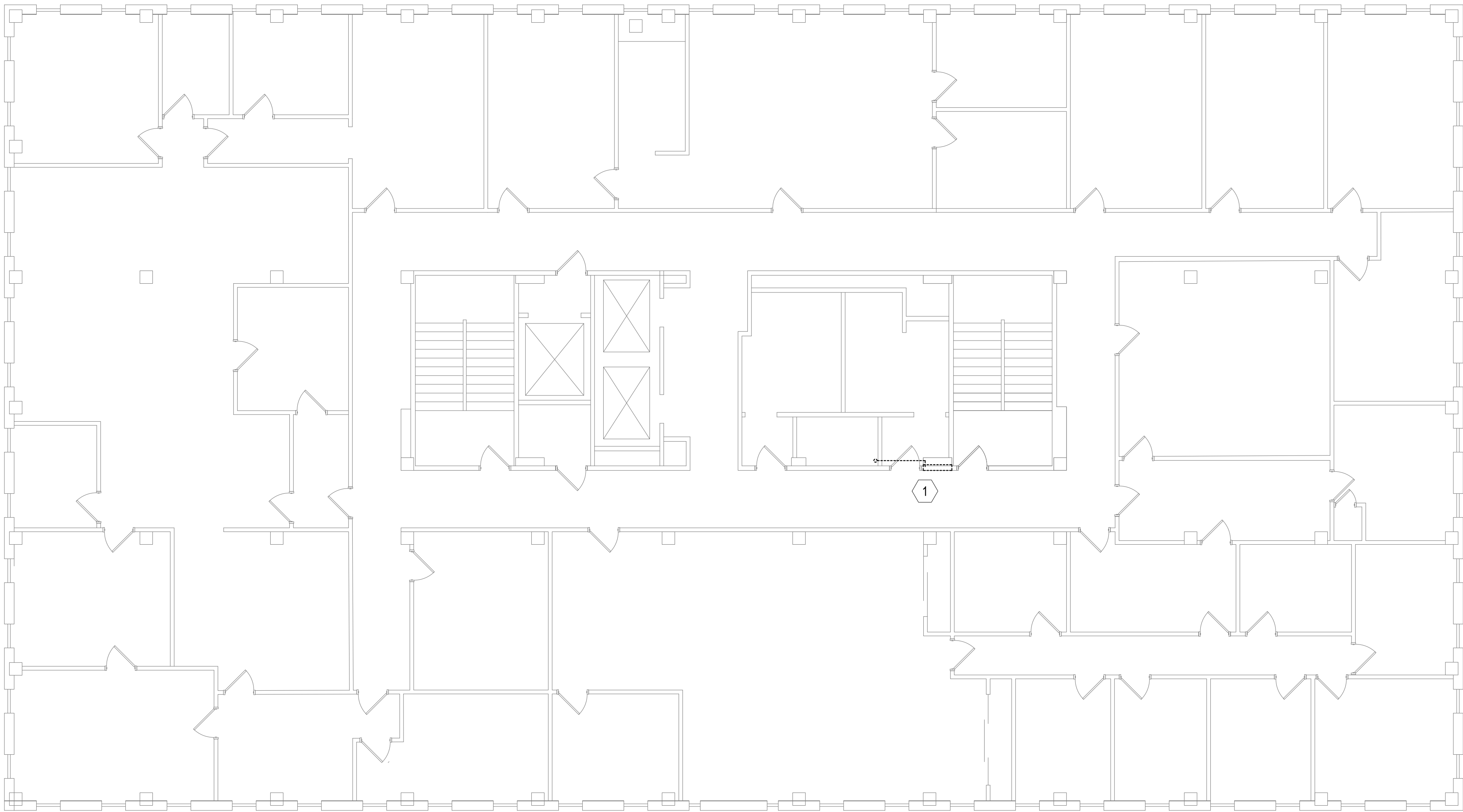
EXISTING FIRE SPRINKLER  
PLAN - FIRST FLOOR





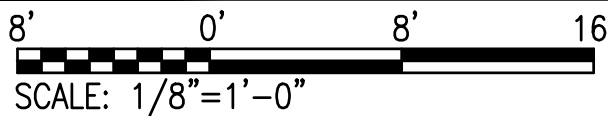
SHEET NOTES

- 1
- REMOVE FIRE HOSE CABINET AND ASSOCIATED FIRE SPRINKLER PIPING ENTIRELY. FIELD VERIFY EXISTING PIPING AND CABINET LOCATIONS. PATCH WALLS TO MATCH SURROUNDING.



1

EXISTING FIRE SPRINKLER PLAN - SECOND FLOOR



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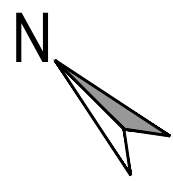
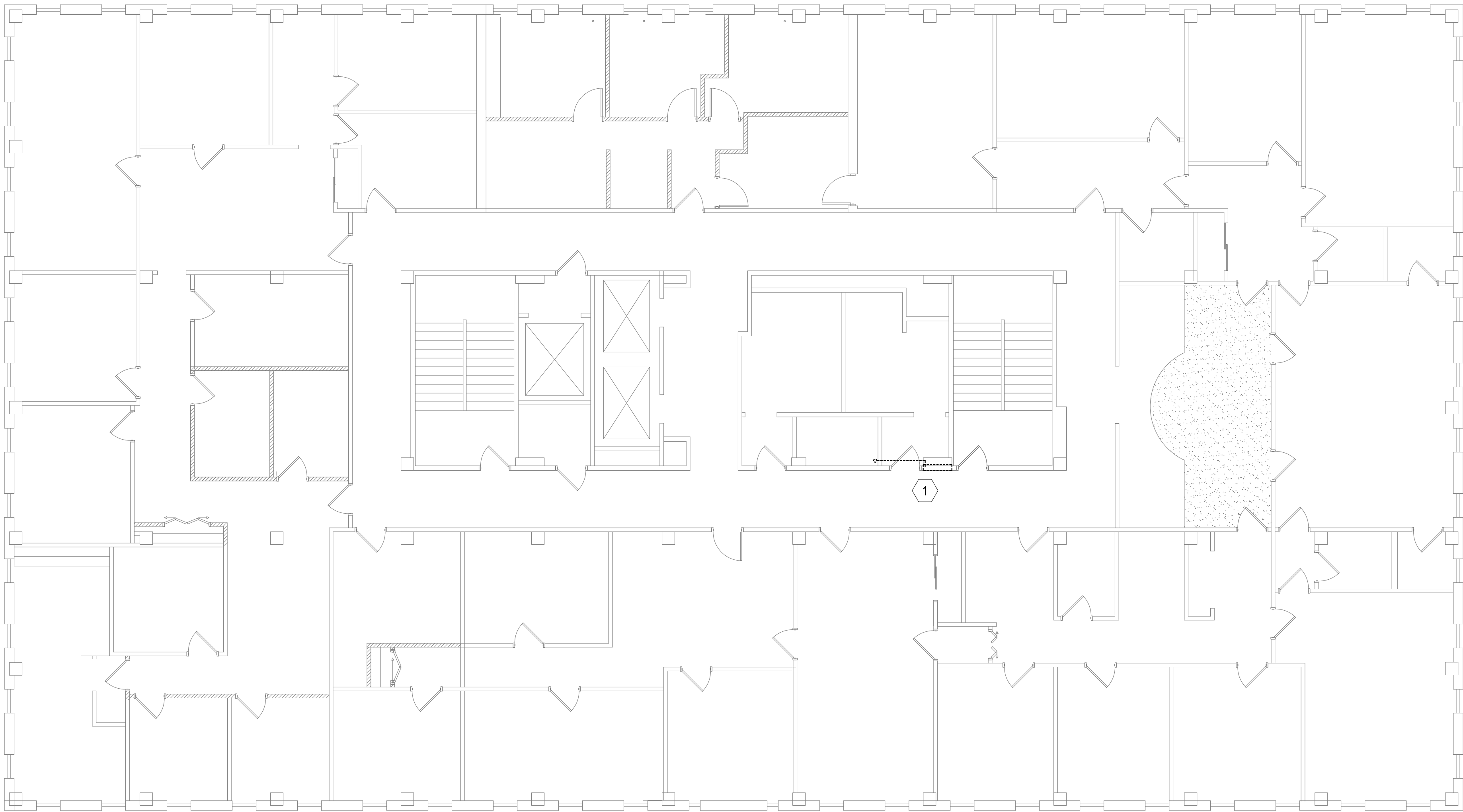
F2.1

EXISTING FIRE SPRINKLER  
PLAN - SECOND FLOOR

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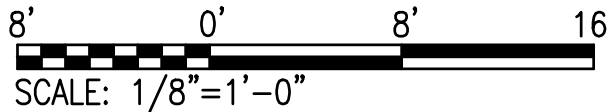
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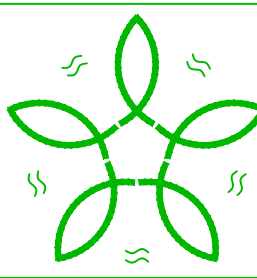
- 1
- REMOVE FIRE HOSE CABINET AND ASSOCIATED FIRE SPRINKLER PIPING ENTIRELY. FIELD VERIFY EXISTING PIPING AND CABINET LOCATIONS. PATCH WALLS TO MATCH SURROUNDING.



1

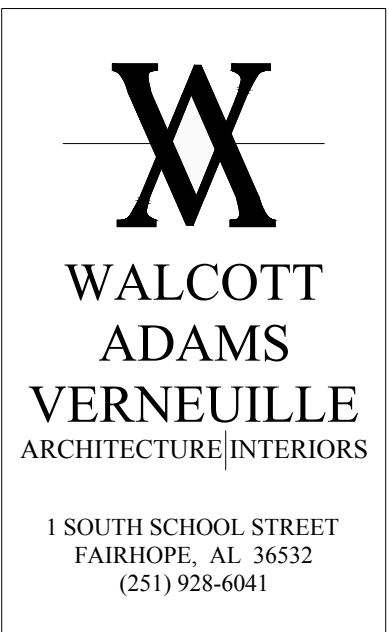
EXISTING FIRE SPRINKLER PLAN - THIRD FLOOR





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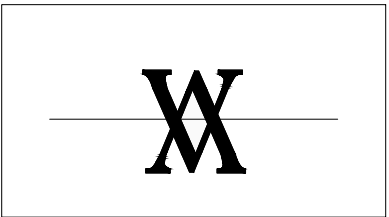
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ENGINEER  
ROGER J. SMITH  
7/13/2025

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F2.2

EXISTING FIRE SPRINKLER  
PLAN - THIRD FLOOR



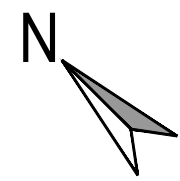
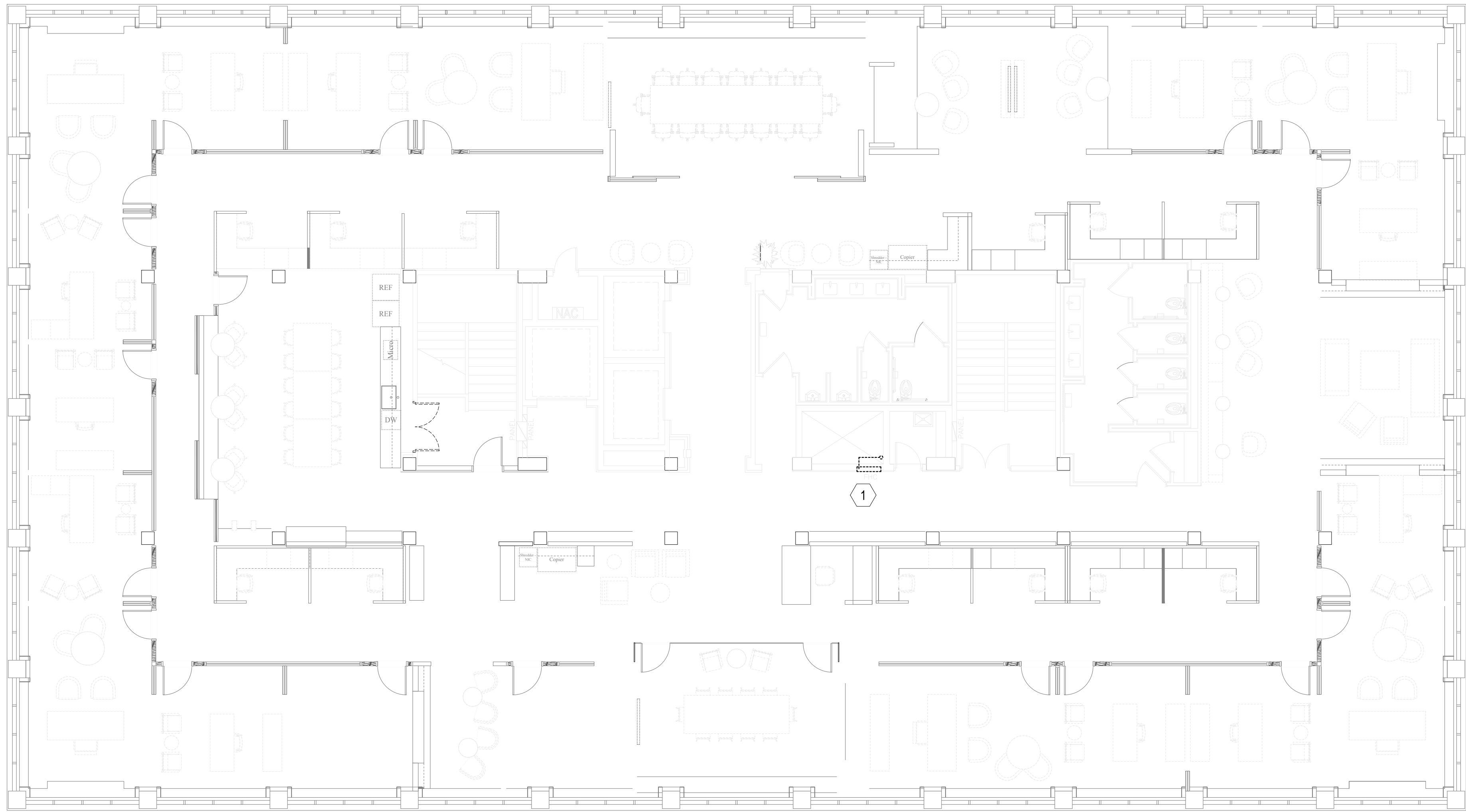
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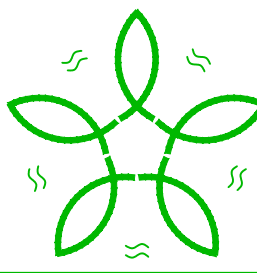
- 1 REMOVE FIRE HOSE CABINET AND ASSOCIATED FIRE SPRINKLER PIPING ENTIRELY. FIELD VERIFY EXISTING PIPING AND CABINET LOCATIONS. PATCH WALLS TO MATCH SURROUNDING.



1

EXISTING FIRE SPRINKLER PLAN - FOURTH FLOOR

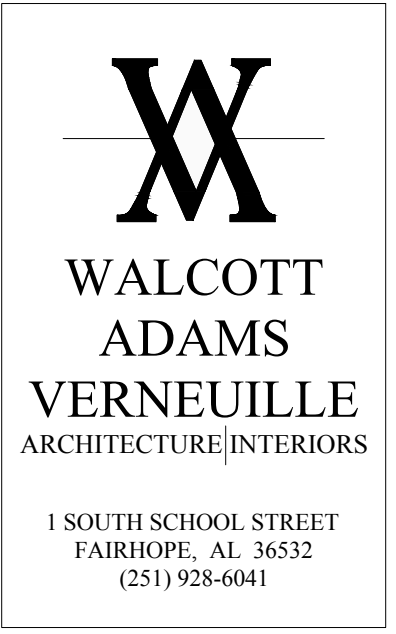
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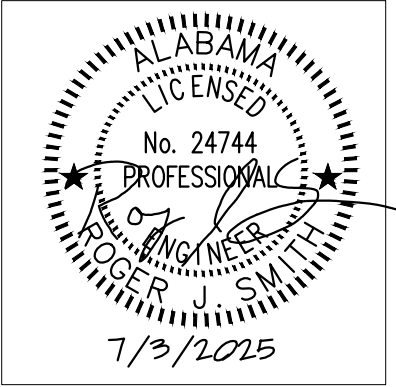
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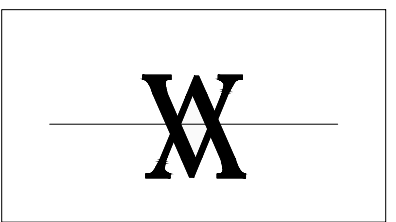


Alabama State Port Authority  
ITC Fourth Floor Phase II  
Whole Building Fire Suppression System  
International Trade Center  
250 North Water Street, Mobile, AL 36602

Date	July 3, 2025
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Revised	
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F2.3

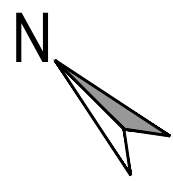
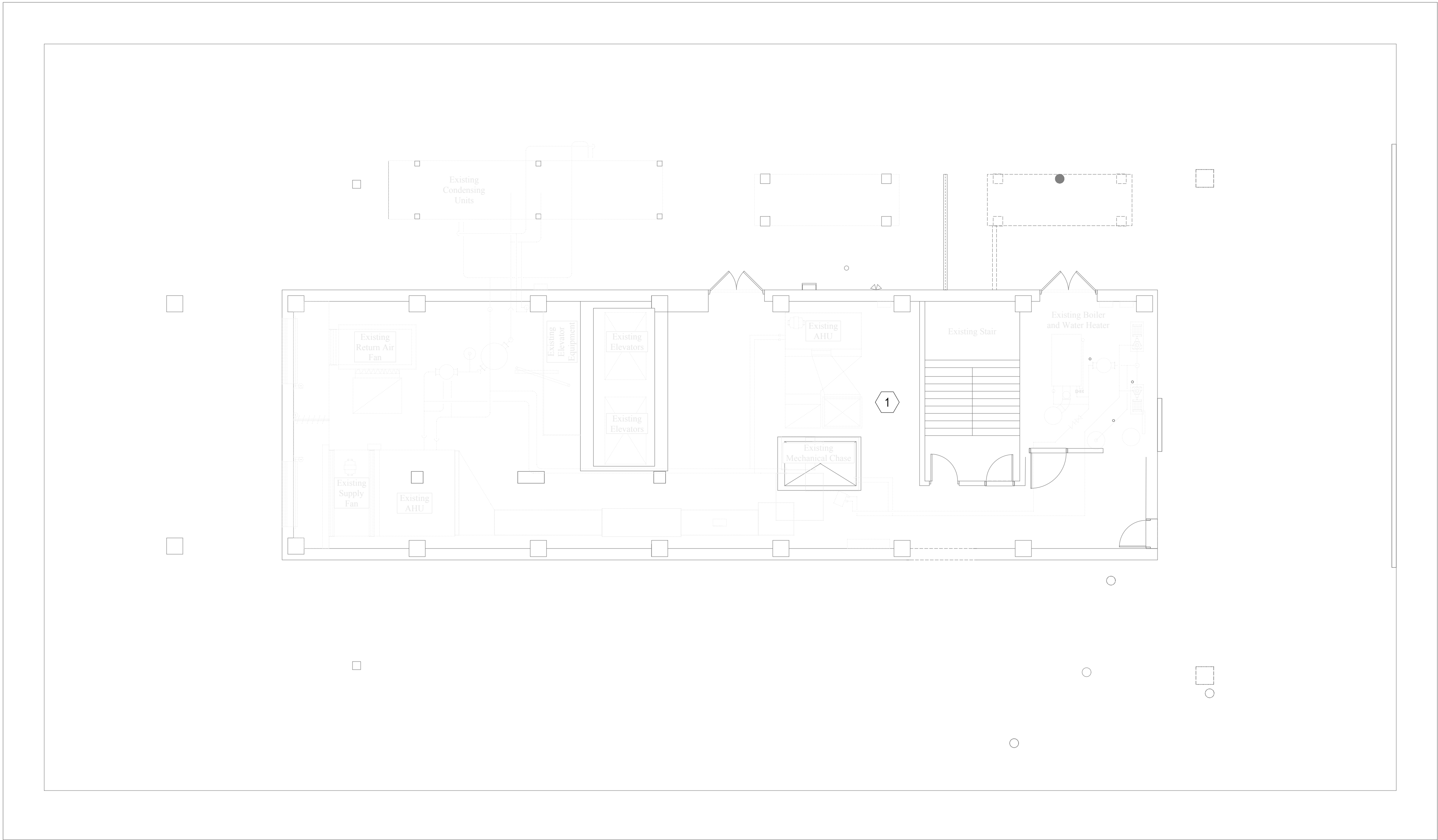
EXISTING FIRE SPRINKLER  
PLAN - FOURTH FLOOR



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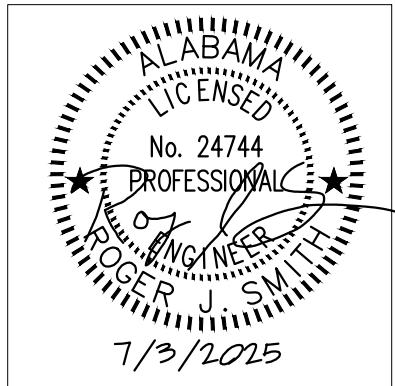
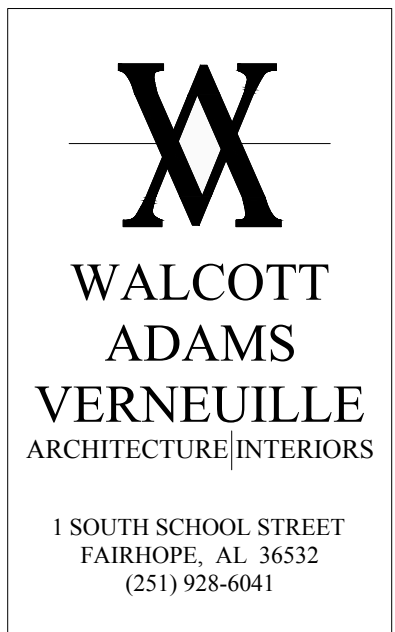
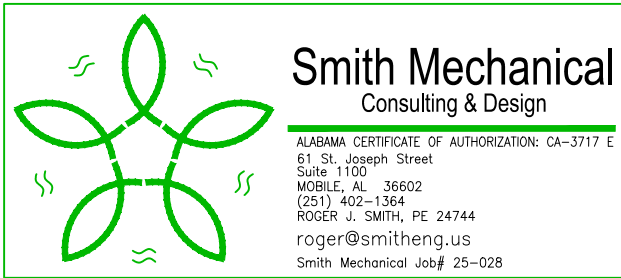
- 1 REMOVE FIRE SPRINKLER PIPING AT PENTHOUSE LEVEL ENTIRELY. FIELD VERIFY EXISTING PIPING AND DEVICE LOCATIONS.



1

EXISTING FIRE SPRINKLER PLAN - PENTHOUSE

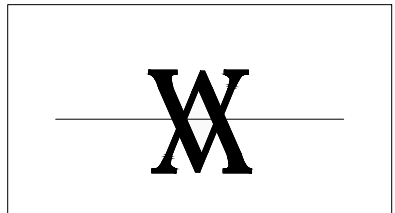
8' 0' 8' 16'  
SCALE: 1/8"=1'-0"



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F2.4  
EXISTING FIRE SPRINKLER  
PLAN - PENTHOUSE

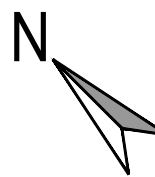
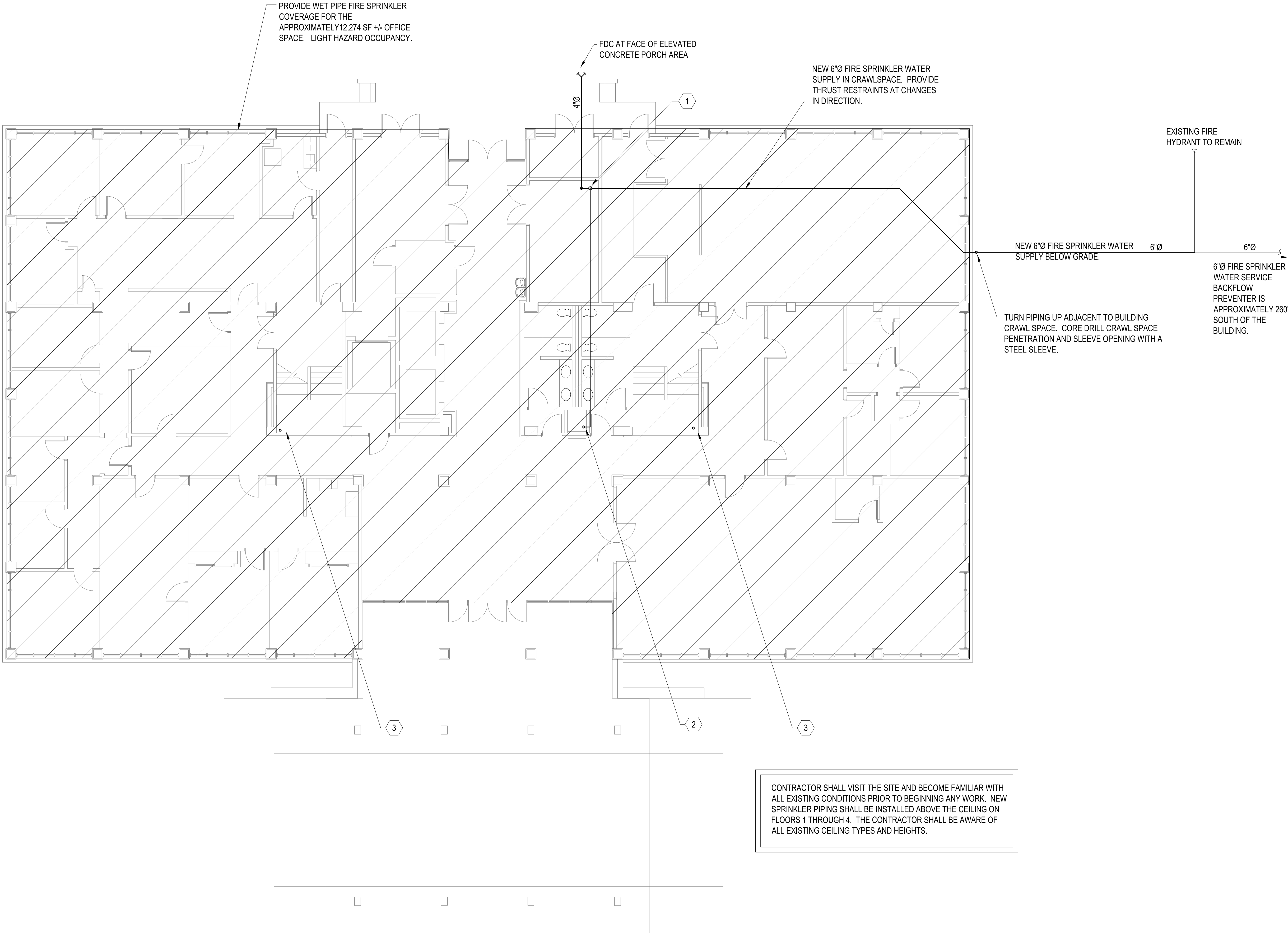


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SHEET NOTES

- 1
- 6"Ø FIRE SPRINKLER RISER. TURN 4" FIRE DEPARTMENT CONNECTION PIPING DOWN INTO CRAWL SPACE FOR EXTENSION TO FACE OF ELEVATED PORCH ADJACENT TO ACCESS ROAD.
- 2
- APPROXIMATE LOCATION OF VERTICAL RISE OF NEW WET PIPE FIRE SPRINKLER PIPING. PROVIDE A BRANCH WITH AN ADDRESSABLE ZONE VALVE AT EACH FLOOR .
- 3
- PROVIDE AND INSTALL A MANUAL STANDPIPE WITH VALVE AT STAIRWELL. COORDINATE FINAL LOCATION WITH ARCHITECT AND OTHER TRADES.



1

NEW WORK FIRE SPRINKLER PLAN - FIRST FLOOR

8' 0' 8' 16'  
SCALE: 1/8"=1'-0"

Smith Mechanical

Consulting & Design

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R005R 2: SMPL PE 24744  
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F3.0

NEW WORK FIRE SPRINKLER  
PLAN - FIRST FLOOR

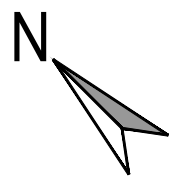
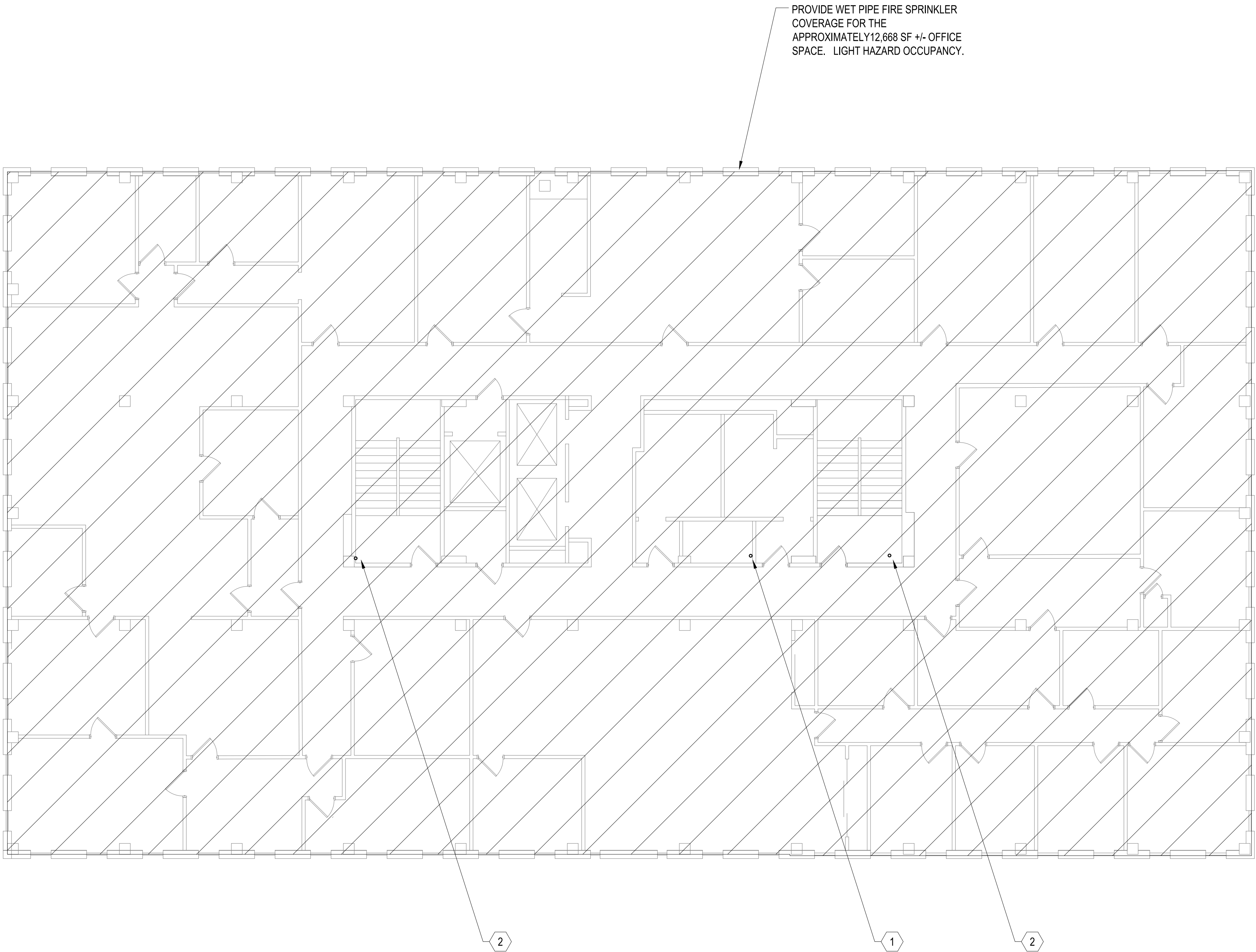
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- 1

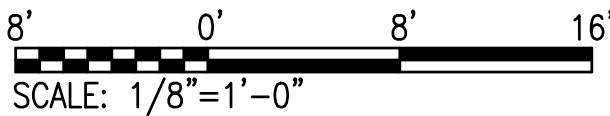
APPROXIMATE LOCATION OF VERTICAL RISE OF NEW WET PIPE FIRE SPRINKLER PIPING. PROVIDE A BRANCH WITH AN ADDRESSABLE ZONE VALVE AT EACH FLOOR .
- 2

PROVIDE AND INSTALL A MANUAL STANDPIPE WITH VALVE AT STAIRWELL. COORDINATE FINAL LOCATION WITH ARCHITECT AND OTHER TRADES.



1

NEW WORK FIRE SPRINKLER PLAN - SECOND FLOOR



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F3.1

NEW WORK FIRE SPRINKLER  
PLAN - SECOND FLOOR

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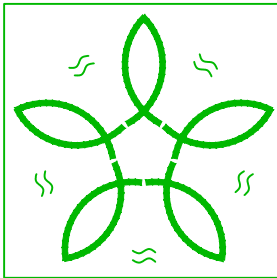


SHEET NOTES

- 1

APPROXIMATE LOCATION OF VERTICAL RISE OF NEW WET PIPE FIRE SPRINKLER PIPING. PROVIDE A BRANCH WITH AN ADDRESSABLE ZONE VALVE AT EACH FLOOR .
- 2

PROVIDE AND INSTALL A MANUAL STANDPIPE WITH VALVE AT STAIRWELL. COORDINATE FINAL LOCATION WITH ARCHITECT AND OTHER TRADES.



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W

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R. J. SMITH

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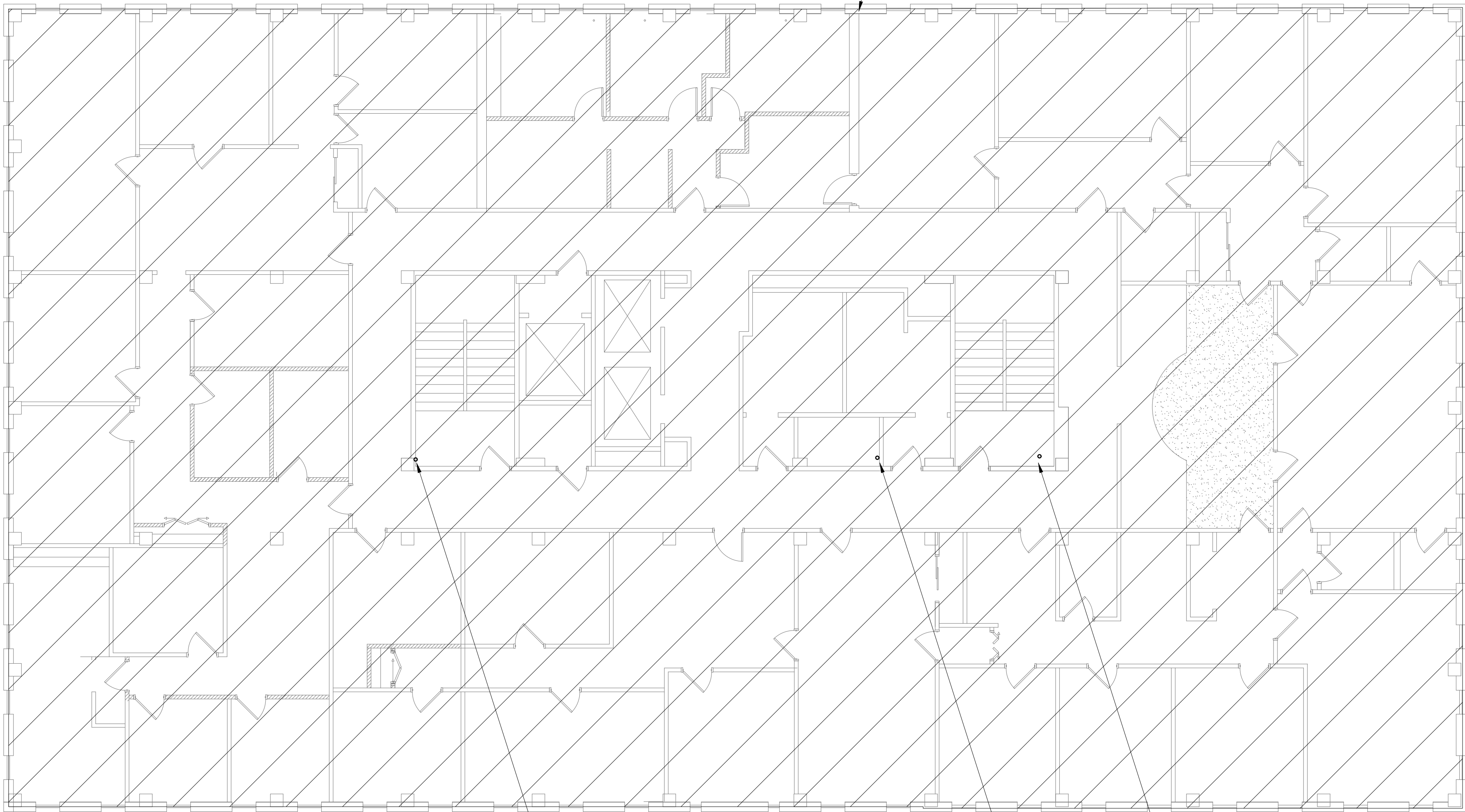
Alabama State Port Authority

ITC Fourth Floor Phase II

Whole Building Fire Suppression System

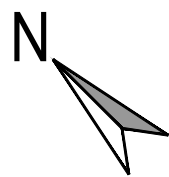
International Trade Center

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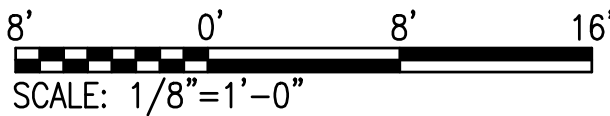
PROVIDE WET PIPE FIRE SPRINKLER  
COVERAGE FOR THE  
APPROXIMATELY 12,668 SF +/- OFFICE  
SPACE. LIGHT HAZARD OCCUPANCY.

CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK. NEW SPRINKLER PIPING SHALL BE INSTALLED ABOVE THE CEILING ON FLOORS 1 THROUGH 4. THE CONTRACTOR SHALL BE AWARE OF ALL EXISTING CEILING TYPES AND HEIGHTS.



1

NEW WORK FIRE SPRINKLER PLAN - THIRD FLOOR



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Revised	
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F3.2

NEW WORK FIRE SPRINKLER  
PLAN - THIRD FLOOR

W

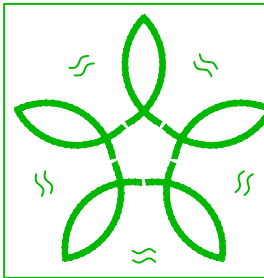
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SHEET NOTES

- 1

APPROXIMATE LOCATION OF VERTICAL RISE OF NEW WET PIPE FIRE SPRINKLER PIPING. PROVIDE A BRANCH WITH AN ADDRESSABLE ZONE VALVE AT EACH FLOOR .
- 2

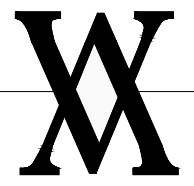
PROVIDE AND INSTALL A MANUAL STANDPIPE WITH VALVE AT STAIRWELL. COORDINATE FINAL LOCATION WITH ARCHITECT AND OTHER TRADES.



Smith Mechanical

Consulting & Design

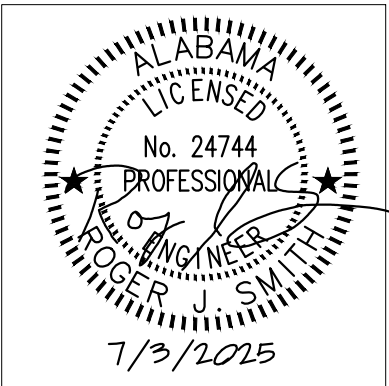
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(251) 402-1166  
RUSSE J. SMITH, P.E. 24144  
roger@smitheng.us  
Smith Mechanical, Inc. 25-028



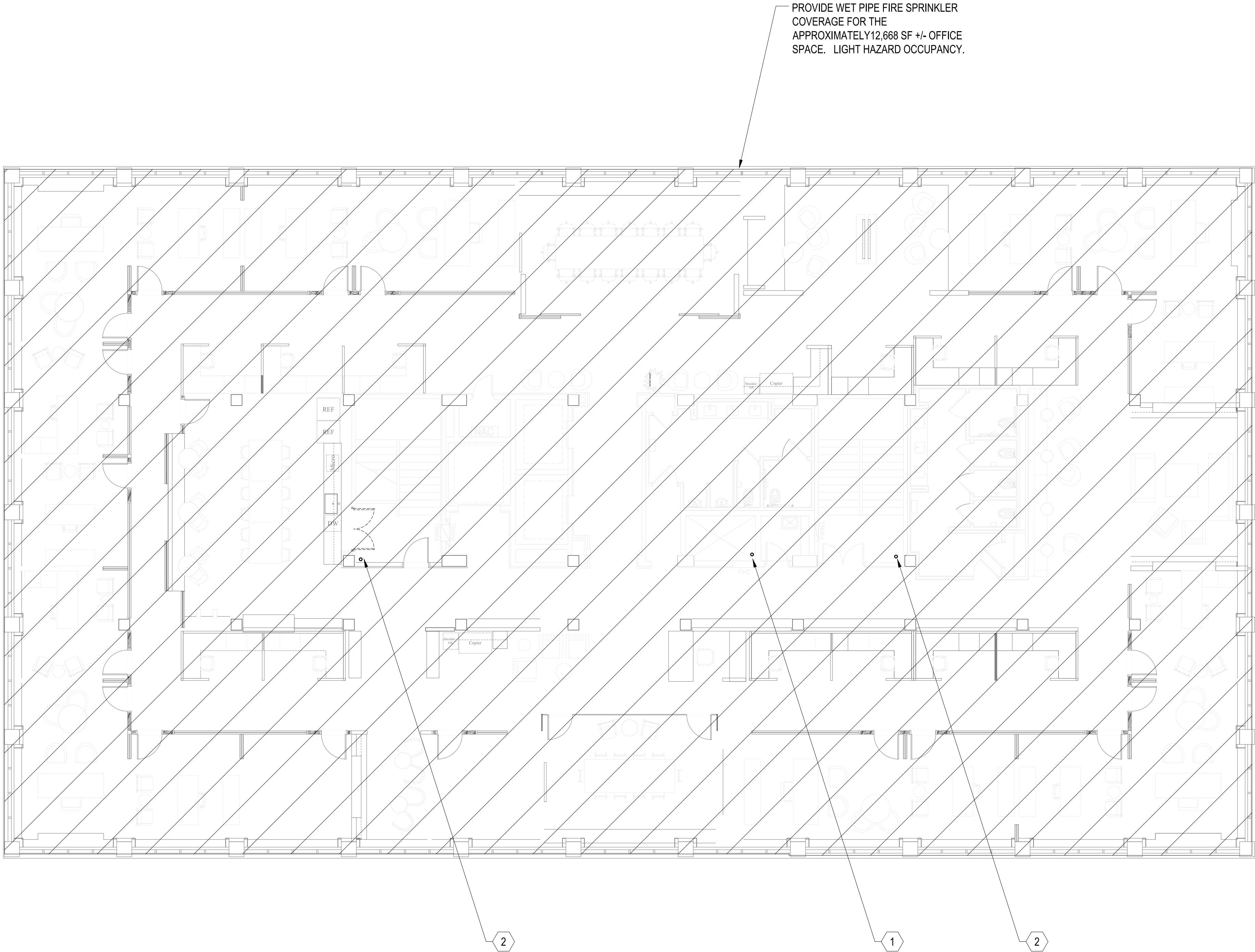
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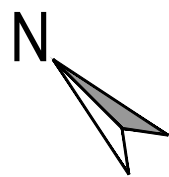
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ENGINEER  
RUSSE J. SMITH  
7/13/2025



PROVIDE WET PIPE FIRE SPRINKLER  
COVERAGE FOR THE  
APPROXIMATELY 12,668 SF +/- OFFICE  
SPACE. LIGHT HAZARD OCCUPANCY.

FOURTH FLOOR AND ROOFTOP DESIGN WORK IS ONGOING.  
FOURTH FLOOR AND ROOFTOP SPRINKLER PIPING TO BE  
COORDINATED WITH PHASE OF FOURTH FLOOR AND ROOFTOP  
CONSTRUCTION AT TIME OF SPRINKLER INSTALLATION. IF  
CEILINGS ARE NOT YET INSTALLED AT TIME OF FOURTH FLOOR  
AND ROOFTOP SPRINKLER WORK, SPRINKLER SYSTEM  
INSTALLATION WILL NEED TO BE PHASED.

CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH  
ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK. NEW  
SPRINKLER PIPING SHALL BE INSTALLED ABOVE THE CEILING ON  
FLOORS 1 THROUGH 4. THE CONTRACTOR SHALL BE AWARE OF  
ALL EXISTING CEILING TYPES AND HEIGHTS.



1

8' 0' 8' 16'  
SCALE: 1/8"=1'-0"


NEW WORK FIRE SPRINKLER PLAN - FOURTH FLOOR

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NEW WORK FIRE SPRINKLER  
PLAN - FOURTH FLOOR



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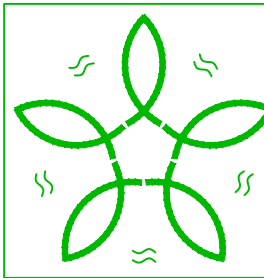


SHEET NOTES

- 1

APPROXIMATE LOCATION OF VERTICAL RISE OF NEW WET PIPE FIRE SPRINKLER PIPING. PROVIDE A BRANCH WITH AN ADDRESSABLE ZONE VALVE AT EACH FLOOR .
- 2

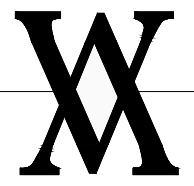
PROVIDE AND INSTALL A MANUAL STANDPIPE WITH VALVE AT STAIRWELL. COORDINATE FINAL LOCATION WITH ARCHITECT AND OTHER TRADES.



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Consulting & Design

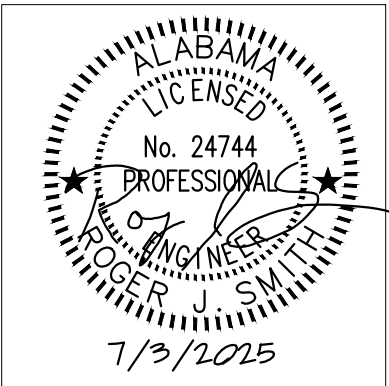
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(251) 402-1166  
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Alabama State Port Authority

ITC Fourth Floor Phase II

Whole Building Fire Suppression System


International Trade Center

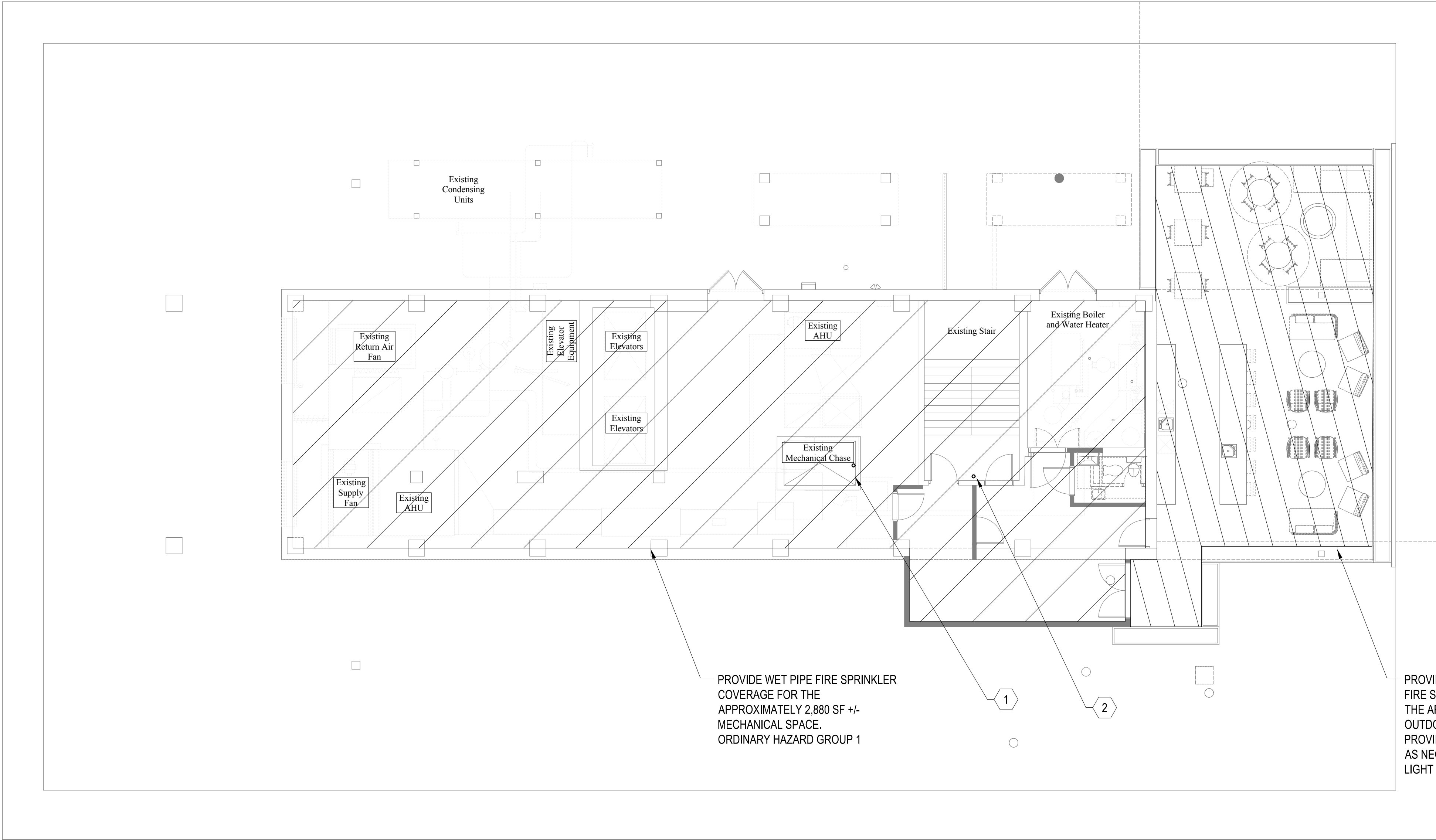
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F3.4

NEW WORK FIRE SPRINKLER  
PLAN - PENTHOUSE





Existing Condensing Units

Existing Return Air Fan

Existing AHU

Existing Supply Fan

Existing AHU

Existing Elevators

Existing Elevators

Existing Mechanical Chase

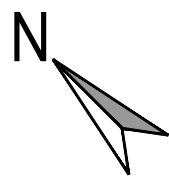
Existing Stair

Existing Boiler and Water Heater

PROVIDE WET PIPE FIRE SPRINKLER COVERAGE FOR THE APPROXIMATELY 2,880 SF +/- MECHANICAL SPACE, ORDINARY HAZARD GROUP 1

PROVIDE SIDE WALL OR DRY PIPE FIRE SPRINKLER COVERAGE FOR THE APPROXIMATELY 1,115 SF +/- OUTDOOR ROOFTOP SPACE. PROVIDE FREEZE PROTECTION AS NECESSARY. LIGHT HAZARD OCCUPANCY.

FOURTH FLOOR AND ROOFTOP DESIGN WORK IS ONGOING. FOURTH FLOOR AND ROOFTOP SPRINKLER PIPING TO BE COORDINATED WITH PHASE OF FOURTH FLOOR AND ROOFTOP CONSTRUCTION AT TIME OF SPRINKLER INSTALLATION. IF CEILINGS ARE NOT YET INSTALLED AT TIME OF FOURTH FLOOR AND ROOFTOP SPRINKLER WORK, SPRINKLER SYSTEM INSTALLATION WILL NEED TO BE PHASED.



1

8' 0' 8' 16'

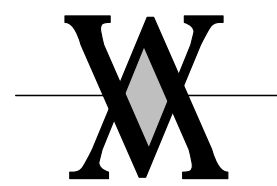
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NEW WORK FIRE SPRINKLER PLAN - PENTHOUSE

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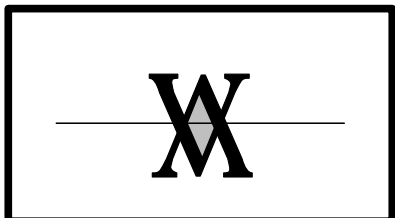
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T1Aa

Title Sheet



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Concept Plan Legend

- Break Room

Administrative Offices

Print/Storage

Elevator Lobby
- Typical Offices

Feature Wall

Ceiling/Floor Plane Opportunities

Conference Rooms
- Corridor Perimeter

Huddle Space

Executive Offices

Reception
- Service Corridor

Wall Legend

- Glass Wall

Screen Wall

Partial Height Solid Wall

Full Height Solid Wall

Wood Infill Panel

W

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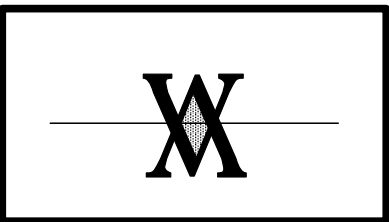
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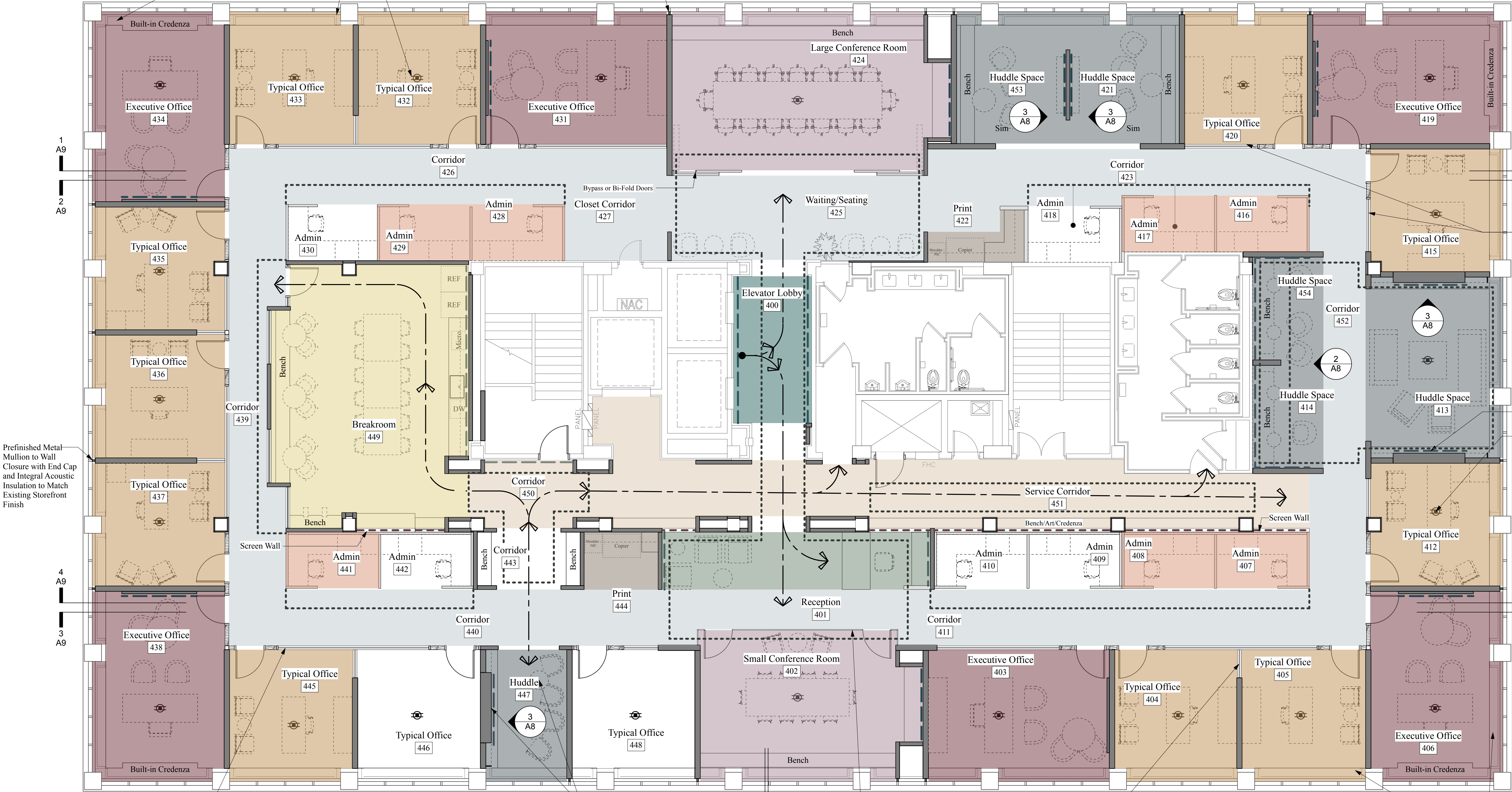
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A1  
Level 4 Floor Plan - Base  
Bid



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Prefinished Metal Mullion to Wall Closure with End Cap and Integral Acoustic Insulation to Match Existing Storefront Finish

Prefinished Metal Mullion to Wall Closure with End Cap and Integral Acoustic Insulation to Match Existing Storefront Finish  
Ledge for Display/Storage/Seating: Remove Existing Wood Sill/Wainscot at Faces of Columns. Existing Sill/Wainscot to Remain under New Ledge between Columns.  
Floor Outlet Bore through Slab from Level 3 - Coordinate Location with Furniture Selection

Interior Slimline Storefront with Wood Infill Panels to Match Doors - Flush Solid Core Stain Grade Wood Veneer

Option for TV/Monitor Built-In  
Floor Outlet Bore through Slab from Level 3 - Coordinated Location with Furniture Selection

Lounge Furniture, Opportunities for TV Monitor/Screen and Display Shelving

All Glass Partition System with Recessed U-Channels and All Glass Doors with Decorative Hardware

Glass Reveal - Partial Views into Adjacent Offices

Ledge for Display/Storage/Seating: Remove Existing Wood Sill/Wainscot at Faces of Columns. Existing Sill/Wainscot to Remain under New Ledge between Columns.



1  
A1

Level 4 Floor Plan - Base Bid

3/16"=1'-0"

Interior Slimline Storefront with Wood Infill Panels to Match Doors - Flush Solid Core Stain Grade Wood Veneer

Wall Legend

- Glass Wall
- Screen Wall
- Partial Height Solid Wall
- Full Height Solid Wall
- Wood Infill Panel

W

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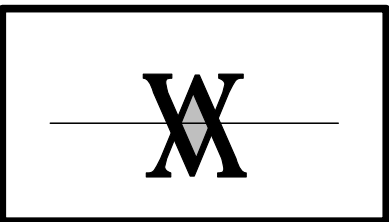
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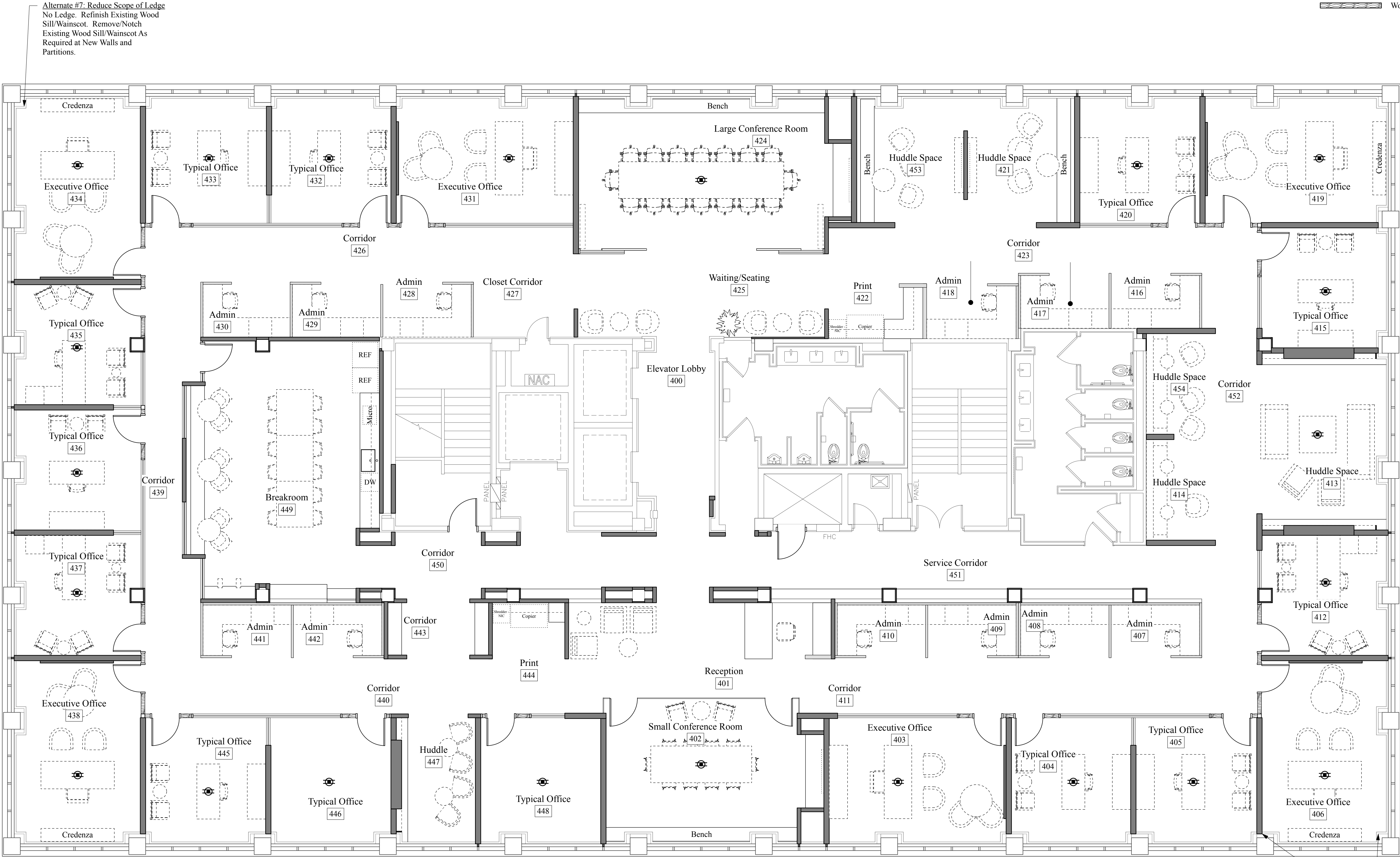
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A2

Level 4 Floor Plan -  
Alternates



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1  
A2

Level 4 Floor Plan - Alternates

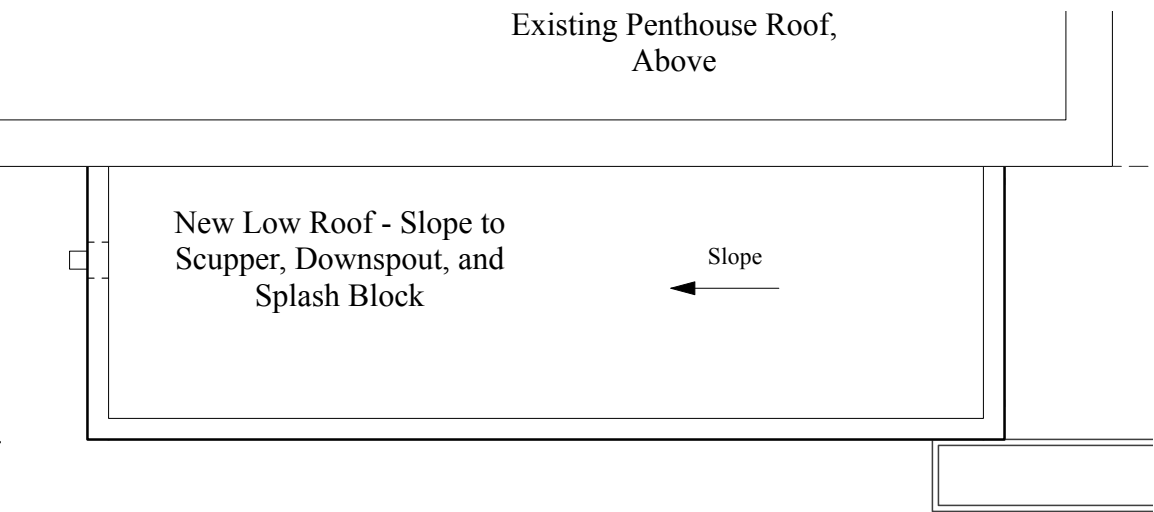
3/16"=1'-0"





2  
A4

**Penthouse/Upper Roof Plan**  
3/16"=1'-0"



**Wall Legend**

- Glass Wall
- Screen Wall
- Partial Height Solid Wall
- Full Height Solid Wall
- Wood Infill Panel

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**ITC Fourth Floor Phase II**  
*Rooftop Terrace*  
International Trade Center  
250 North Water Street, Mobile, AL 36602

Date	TBD
Revised	
Revised	
Revised	
Revised	
Revised	
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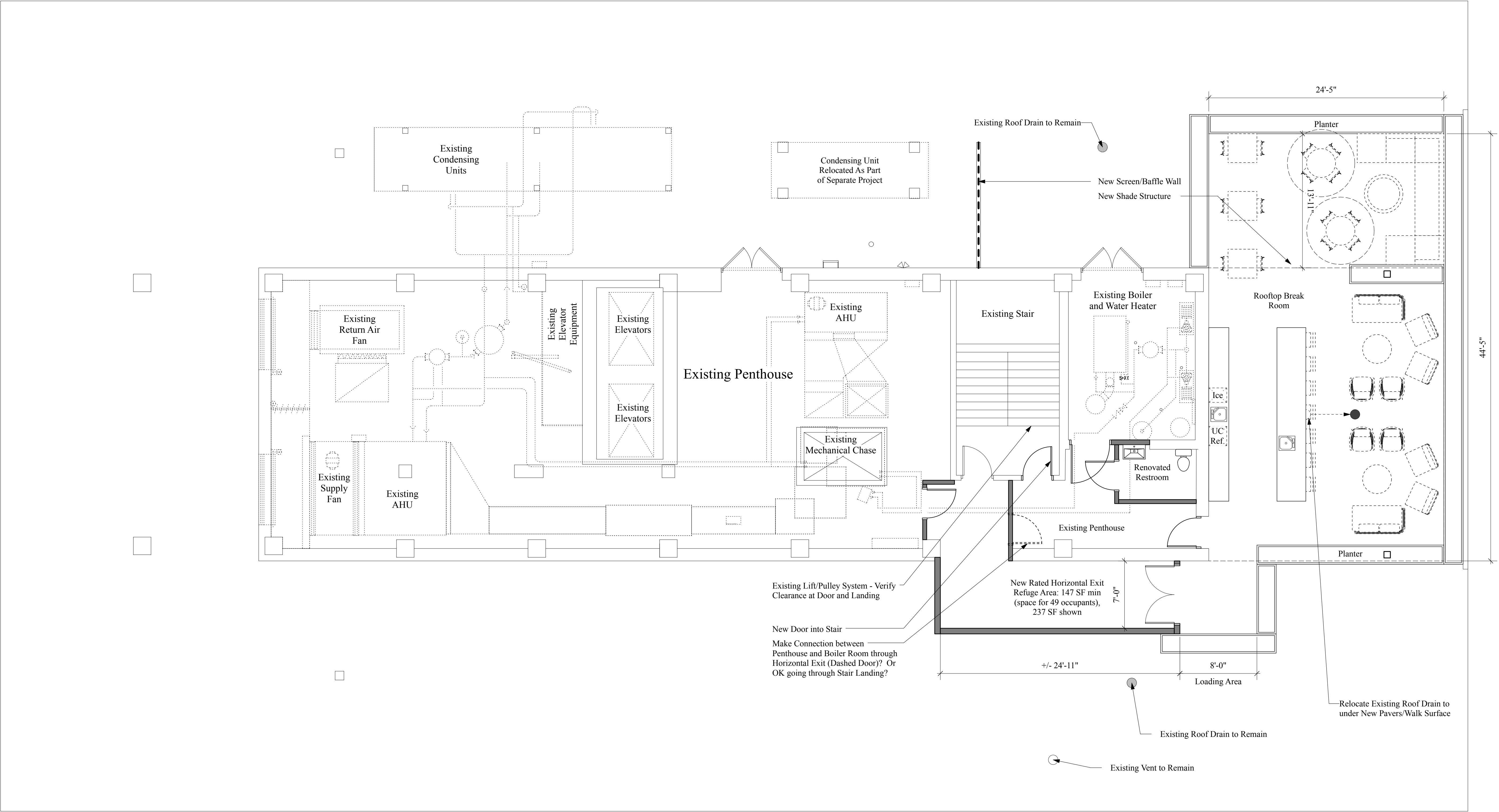
A4

Roof Plan



1  
A4

**Main/Lower Roof Plan**  
3/16"=1'-0"



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Wall Legend

- Glass Wall
- Screen Wall
- Partial Height Solid Wall
- Full Height Solid Wall
- Wood Infill Panel

W

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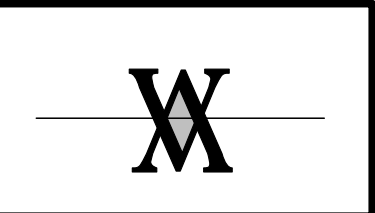
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Date	July 3, 2025
Revised	
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A5

Level 4 Reflected Ceiling  
Plan - Base Bid



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1  
A5

Reflected Ceiling Plan - Base Bid

3/16"=1'-0"



Alternate #1:  
Standard Offices: Optima Tegner (24x24)  
with 24x24 troffers in lieu of Acoustibuilt with  
recessed linear fixtures

Alternate #2:  
Perimeter Corridor: Ceiling area to be exposed with all exposed items painted, extending 36" past edges of dropped ceilings - no Canyon ACT

Alternate #3:  
Perimeter Corridor: Ceiling area to be exposed with all exposed items painted, extending 36" past edges of dropped ceilings - No SimpleSoffit

Alternate #4:  
Break Room: Gypsum board ceiling in lieu of Acoustibuilt


Alternate #5:  
Admin Workstations: Optima Tegular (2x2)  
with 2x2 troffers in lieu of Optima Concealed  
(2x8) with recessed linear fixtures

Alternate #6:  
Service Corridor: Metalworks Concealed M2 (2x2) with 2x2 troffers in lieu of M10 (2x8) with recessed downlights



The diagram illustrates five types of wall construction, each represented by a horizontal bar with a specific pattern or shading:

- Glass Wall:** Represented by a thin, light gray bar.
- Screen Wall:** Represented by a thin, light gray bar with a dashed line running through its center.
- Partial Height Solid Wall:** Represented by a medium-thick, light gray bar.
- Full Height Solid Wall:** Represented by a thick, dark gray bar.
- Wood Infill Panel:** Represented by a thin, light gray bar with diagonal hatching lines.



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July 3, 2025

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revised

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A6

### Level 4 Reflected Ceiling Plan - Alternates

X

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A6

## Reflected Ceiling Plan - Alternates

Wall Legend

- Glass Wall
- Screen Wall
- Partial Height Solid Wall
- Full Height Solid Wall
- Wood Infill Panel

W

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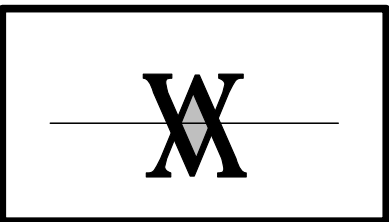
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A7  
Roof Reflected Ceiling Plan



1  
A7

Roof Reflected Ceiling Plan

3/16"=1'-0"

