



NOTICE TO ALL FIRMS

Date: January 27, 2025

To: All Prospective Bidders

From: Sam Li
Director of Procurement Services

Re: Addendum Number 5
IFB # C1592 – Goodman Lower Level Gallery New HVAC Unit

Notes:

- 1) An updated bid analysis form is attached to Addendum 5 below. Please complete and submit this updated bid analysis form with your bid.

Questions:

- Q1. The bid breakdown form provided is missing several items related to the scope of work on this project. Examples include, but are not limited to, steel work, GC work, rigging and water treatment. May we please add an additional line to the form labeled “Miscellaneous” to include these?
- A1. A line for miscellaneous items has been added to the updated bid analysis form. See attached.
- Q2. Drawings M600 shows “pipe support columns” at the base of the risers. Please provide a detail of these support columns.
- A2. See sketches provided for pipe supports.
- Q3. M503 and M504 show details for pipe anchors and guides. Please show where these are applicable, including quantities, on the drawings.
- A3. Anchors are not required. See sketches provided for pipe supports.
- Q4. Drawings M401 calls for the relocation of existing reheat piping as needed to allow for installation of the new risers. Please indicate on the drawings what piping is in conflict and would need to be removed or include an allowance in the contract for these relocations.
- A4. The contractor shall include in his bid an allowance for all the floors. The need to remove the reheat pipes will be determined during construction.

THIS ADDENDUM IS PART OF THE CONTRACT DOCUMENT AND SHALL BE INCLUDED WITH YOUR REQUEST FOR PROPOSAL SUBMITTAL. YOUR SIGNATURE BELOW WARRANTS THAT YOU UNDERSTAND THIS ADDENDUM AND THAT YOU HAVE MADE THE APPROPRIATE ADJUSTMENTS IN YOUR PROPOSAL AND CALCULATIONS.

Signature

Print Name and Title of Authorized Representative

Print Name of Company/Partnership/Individual

Date

ATTACHMENT C – BID ANALYSIS FORM (1/27/2025)

**FASHION INSTITUTE OF TECHNOLOGY &
GOODMAN LOWER LEVEL GALLERY NEW HVAC UNIT
INVITATION FOR BID NUMBER C1592
NYS PREVAILING WAGE SCHEDULE PRC # 2024015597**

BID BREAKDOWN

Line	Description	Total Labor Cost	Total Materials, Tools & Equipment	Line Total
1	DEMOLITION	\$	\$	\$
2	FIRE STOPS	\$	\$	\$
3	VALVES FOR HVAC	\$	\$	\$
4	VIBRATION ISOLATION	\$	\$	\$
5	HVAC SPECIALTIES	\$	\$	\$
6	TESTING AND BALANCING	\$	\$	\$
7	INSULATION FOR HVAC	\$	\$	\$
8	COMMISSIONING	\$	\$	\$
9	HVAC AUTOMATIC TEMPERATURE CONTROLS	\$	\$	\$
10	HVAC INTEGRATION ON BMS	\$	\$	\$
11	PIPING FOR HVAC	\$	\$	\$
12	PUMPS FOR HVAC	\$	\$	\$
13	SHEET METAL DUCTWORK	\$	\$	\$
14	FANS AND GRAVITY VENTILATORS	\$	\$	\$
15	AIR FILTERS	\$	\$	\$
16	AIR HANDLING UNITS	\$	\$	\$
17	VARIABLE FREQUENCY DRIVE	\$	\$	\$
18	HUMIDIFIER	\$	\$	\$
19	COOLING TOWER	\$	\$	\$
20	ELECTRICAL	\$	\$	\$
21	PLUMBING	\$	\$	\$
22	STRUCTURAL STEEL	\$	\$	\$
23	MISCELLANEOUS	\$	\$	\$
24	FIRE ALARM	\$	\$	\$
25	GENERAL REQUIREMENTS	\$	\$	\$
26	GENERAL CONDITIONS	\$	\$	\$

TOTAL BID PRICE (1-26)

\$ _____

As stated in Section IV of the front-end documents: Subcontracting shall be permitted **not to exceed 50%** of the work of the project. Please provide the ratio of the contractors and subcontractors work that will be used on this project.

Contractor _____%, **Subcontractor(s)** _____%

For Bidding Purposes: the following sections pricing should cover the following items:

General Requirements: permits & licenses; project meetings; administrative overhead for submissions and shop drawings; progress photos; temporary facilities & controls; storage & protection of materials; project closeout; and project record documents.

General Conditions: supervision of work; all testing; coordination drawings; safety programs; insurance and performance & payment bonds.

The undersigned, having carefully examined all Contract Documents, including Notice to Bidders, Bid Terms and Conditions, Contract Terms and Conditions, General Requirements, General Conditions, Labor & Material Payment Bond, Performance Bond, Form of Bid, Non-Collusive Bidding Certification, Substitution Form Request, Contract, Affirmative Action Form, Change Order, Form, Contractor's Trade Payment Breakdown, Safety EHS Plan, Prevailing Wage Schedule, Specifications, and Drawings and having examined the existing conditions by on-site visit(s), hereby submits this Bid Analysis, covering all labor, materials, equipment, tools, machinery, licensing, insurance, taxes, and fees required to perform the specified work at the above-referenced site, in accordance with the Contract Documents. **No exclusions & no exceptions.**

Company Name and Address of Bidder:

Signature of Bidder _____ Date _____

Printed Name and Title of Representative: _____

Telephone #: _____

Email Address: _____

EIN#: _____

IMPORTANT:

This bid analysis form is the **only** pricing format acceptable. Bidders **must** submit pricing

using this form. **FIT will not accept bid responses on any other form.**

NOTE:

FIT will not sign any bidder generated contract, agreement or scope of work. FIT Bid and Terms and Conditions apply. Bidder requirement for FIT to sign any document will be grounds for rejection. Bidder inclusion of any conditions, clarifications, exceptions or changes which are not in compliance with FIT Bid and Terms and Conditions will be grounds for rejection.

GENERAL NOTES

1. THE GENERAL NOTES APPLY TO ALL DRAWINGS UNDER THIS CONTRACT. REFER TO INDIVIDUAL DRAWINGS FOR ADDITIONAL NOTES.
2. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK. MAINTAIN HEADROOM AND SPACE CONDITIONS CONSISTENT WITH PROJECT CRITERIA.
3. JUNCTION AND PULL BOXES SHALL GENERALLY BE LOCATED FOR FLUSH MOUNTING IN FINISHED SPACES. WHERE NECESSARY, CONDUIT SHALL BE REROUTED OR OTHER ARRANGEMENTS SHALL BE MADE FOR CONCEALMENT. PULL BOXES SHALL BE PROVIDED AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATION WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE.
4. ALL SUPPORTS TO BUILDING STRUCTURE SHALL BE SECURED AS NOTED IN THE SPECIFICATIONS. HORIZONTAL RUNS OF METALLIC CONDUIT SHALL BE SUPPORTED AT INTERVALS OF NOT MORE THAN 10 FEET APART. RACEWAY RISERS SHALL BE SUPPORTED AT EACH FLOOR LEVEL. EXPOSED RACEWAYS SHALL RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
5. JUNCTION BOXES AND PULL BOXES SHALL BE SUPPORTED INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUIT.
6. NO RACEWAYS SHALL BE INSTALLED WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT FOR CROSSINGS WHERE RACEWAYS SHALL BE AT LEAST 1 INCH FROM PIPE COVER.
7. CONDUIT ENDS SHALL BE CUT SQUARE AND REAM SMOOTH. MALE THREADS OF FIELD THREADED CONDUIT SHALL BE PAINTED WITH GRAPHITE BASED PIPE COMPOUND AND DRAWN UP TIGHT WITH CONDUIT COUPLINGS.
8. WIRE COLOR CODING SHALL CONFORM TO CODE REQUIREMENTS.
9. IN UNFINISHED PORTIONS OF THE BUILDING, SUCH AS BOILER ROOM, FAN ROOMS, PIPE SPACES, ETC., LOCATIONS OF CONDUIT ARE APPROXIMATE AND SHALL CLEAR PIPING AND ALL OTHER CONSTRUCTION. CONDUITS IN THESE PORTIONS OF THE BUILDING SHALL BE RUN EXPOSED.
10. ALL OUTLET BOXES RECEIVING 1-1/4" CONDUIT SHALL BE A MINIMUM OF 2-1/2"DEEP.
11. SUFFICIENTLY LONG WIRE SLACK SHALL BE LEFT IN RUNS TO PERMIT MAKING PROPER FINAL CONNECTIONS. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH #12 AWG STEEL DRAG WIRE.
12. ALL WIRING, POWER, CONDUCTORS, CONDUITS ETC. SHALL MEET THE NYC ELECTRICAL CODE.
13. ALL WORK SHALL BE IN ACCORDANCE WITH THE NYS BUILDING CODE AND NFPA 72.
14. ALL FIRE ALARM EQUIPMENT SHALL BE APPROVED (MEA, BSA OR COA APPROVED).
15. ALL FIRE ALARM CIRCUITS SHALL BE SIZED TO A MAXIMUM OF 80% OF CAPACITY.
16. ALL FIRE ALARM CIRCUITS SHALL BE WIRED NFPA STYLE 4/Y/B (CLASS B) WITH THE EXCEPTION OF THE NETWORK CIRCUIT WHICH SHALL BE NFPA STYLE 7 (CLASS A WITH ISOLATION). DUAL CLASS B NETWORKING IS NOT STYLE 7 AND WILL NOT BE APPROVED. ALL AUDIBLE AND VISUAL CIRCUITS SHALL BE STYLE Y/CLASS B AND SPLIT A/B. SPLIT A/B CIRCUITS SHALL BE WIRED SO THAT EVERY OTHER DEVICE IS WIRED ON AN ALTERNATE CIRCUIT.
17. ALL FIRE ALARM WIRE SHALL BE CLEARLY LABELED IN JUNCTION BOXES AND CABINETS. ALL TERMINALS SHALL BE NUMBERED AND LABELED. ALL CONNECTIONS SHALL BE EITHER SOLDERED, 70DBA APPROVED TERMINAL STRIPS OR SCOTCH LOCKS.
18. ALL LOW VOLTAGE FIRE ALARM CONDUCTORS SHALL BE PROTECTED BY EITHER BUILDING CONSTRUCTION OR CONDUIT TO 8 FEET ABOVE THE FINISHED FLOOR. LOADING DOCKS, GARAGES, SUPPRESSION AND EXTINGUISHING SYSTEM WIRING, MECHANICAL AND ELECTRICAL ROOMS AND OTHER LOCATIONS SUBJECT TO MECHANICAL DAMAGE SHALL BE IN FULL RIGID CONDUIT. IN ALL OTHER AREAS APPROVED WIRE MAY BE RUN WITHOUT CONDUIT ABOVE 8 FT. ALL WIRING INSTALLATION EXPOSED IN FINISHED AREAS SHALL BE AS FOLLOWS:
A) ON WALLS - IN SINGLE PIECE 1/2" SURFACE MOUNTED STEEL RACEWAY.
B) WHERE CEILING IS NOT ACCESSIBLE - IN SINGLE PIECE SURFACE MOUNTED STEEL RACEWAY.

22. FIRE ALARM CABLES SHALL NOT BE MIXED WITH NON FIRE ALARM CABLING. LOW VOLTAGE FIRE ALARM CABLING SHALL NOT BE MIXED OR WIRED NEAR ANY AC CIRCUIT
23. ALL LOW VOLTAGE WIRING SHALL BE FPLP 150 DEGREE C. ALL NOTIFICATION CIRCUITS SHALL BE A MINIMUM OF 14 AWG AND ALL OTHER LOW VOLTAGE FIRE ALARM CIRCUITS SHALL BE 16 AWG MINIMUM.
24. POLARITY SHALL BE OBSERVED ON ALL CIRCUITS. T-TAPPING SHALL NOT BE ALLOWED ON ANY NOTIFICATION CIRCUITS (HORN, STROBE OR SPEAKER). T-TAPPING SHALL NOT BE PERMITTED ON ADDRESSABLE CIRCUITS.
25. ALL WIRING SHALL BE INSPECTED TO ASSURE THERE ARE NO OPENS, SHORTS OR EARTH GROUNDS.
26. SHIELDED CONDUCTORS OR RUNNING IN SEPARATE RACEWAY SHALL BE AS INSTRUCTED BY THE FIRE ALARM MANUFACTURER'S DOCUMENTATION. ALL NON-POWER LIMITED WIRING SHALL BE RUN IN A SEPARATE RACEWAY.
27. ALL AREA OR DUCT SMOKE DETECTORS SHALL BE PHOTO-ELECTRIC TYPE.
28. SMOKE DETECTORS MUST BE MOUNTED AT LEAST 3 FT AWAY FROM ANY AIR REGISTER.
29. DEVICE LOCATIONS MUST BE READILY ACCESSIBLE TO ALLOW FOR MAINTENANCE AND REPAIR.
30. DUCT MOUNTED SMOKE DETECTORS SHALL BE MOUNTED ON THE DUCTWORK IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. ALL DUCT DETECTORS SHALL BE PROVIDED WITH A REMOTE LED IN AN OBSERVABLE AREA. EACH LED STATION TO BE LABEL PER UNIT AND DEVICE MONITORY.
31. ALL AUXILIARY RELAYS FOR FAN SHUTDOWN, DOOR RELEASE, DAMPER CONTROL, ELEVATOR CONTROL, ETC. SHALL BE WIRED A MAXIMUM OF 3 FT FROM THE CONTROLLED DEVICE. THE AUXILIARY RELAY SHALL FUNCTION WITHIN THE REQUIRED VOLTAGE AND CURRENT OF THE CONTROLLED DEVICE. SLAVE OR INTERPOSING RELAYS SHALL BE INCLUDED AND POWERED BY THE FIRE ALARM CONTROL PANEL IN A FAIL-SAFE (FIRE FUNCTION) POSITION. POWER TO THE INTERPOSING RELAY SHALL BE MONITORED BY THE FIRE ALARM SYSTEM.
32. OBTAIN APPROVAL OF PLANS BY THE FIRE DEPARTMENT PRIOR TO THE BEGINNING OF ANY WORK.
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY AND ALL ABANDONED FIRE ALARM CABINETS, DEVICES, AND WIRE. PAINT, PATCH AND CLEANUP SHALL ALSO BE INCLUDED.
34. COORDINATE WITH MECHANICAL DRAWINGS FOR LOCATION AND CONNECTION OF POWER AND CONTROL TO THE EXISTING AND NEW FSD AND DUCT SMOKE DETECTOR DEVICES.
35. THE CONTRACTOR IS REQUIRED TO COORDINATE THE SCHEDULING OF ALL INSPECTIONS WITH THE NYC FIRE DEPARTMENT WITH:

High RISE FIRE & SECURITY
703 3RD AVE
BROOKLYN, NY 11232

IN ORDER TO OBTAIN THE FINAL FDNY LETTER OF APPROVAL AND SIGNOFF THE DOB APPLICATION AS PART OF THE SCOPE OF FIRE AND BUILDING CODE SERVICES, INC. AT EACH INSPECTION, A MINIMUM OF TWO FIRE ALARM TECHNICIANS WITH S97 OR S98 CERTIFICATIONS AND ONE ELECTRICIAN SHOULD BE PRESENT.
36. THE CONTRACTORS PRESENCE AT ALL OF THE OWNERS PRE-INSPECTIONS PRIOR TO THE FDNY INSPECTION AND ALL FDNY INSPECTIONS, A MINIMUM OF ONE ELECTRICAL CONTRACTOR AND TWO (2) FIRE ALARM TECHNICIANS SHALL BE PRESENT AT ALL INSPECTIONS.
37. THE CONTRACTOR IS RESPONSIBLE TO PREPARE AND PROVIDE THE AS-BUILT RISER PLAN AND THE APPLICANT OF RECORD IS PETER GERZADUNIS WHO WILL BE SIGNING AND SEALING THE FUNCTIONAITY STATEMENT IN ACCORDANCE WITH THE REQUIREMENTS OF 3RCNY R105.01(C) (2) (A) (3) AND (4).
38. EXISTING DEVICES AND FIRE ALARM EQUIPMENT SHALL BE PROPERLY PROTECTED DURING DEMOLITION AND CONSTRUCTION.

DWG No.	DRAWING TITLE
FA-001.00	FIRE ALARM SYMBOL LIST, ABBREVIATIONS, NOTES, AND MATRIX
FA-011.00	SUB-CELLAR FIRE ALARM DEMOLITION PLAN
FA-101.00	SUB-CELLAR FIRE ALARM PLAN

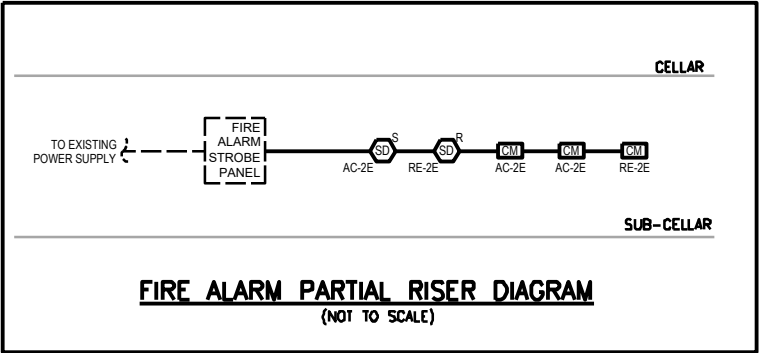
SYMBOL LEGEND	
	DUCT SMOKE DETECTOR: R - RETURN FAN DUCT DETECTOR: S - SUPPLY FAN DUCT DETECTOR
	FAN SHUTDOWN CONTROL MODULES
	NOT IN CONTRACT

ABBREVIATIONS

	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
C	CONDUIT
DGP	DATA GATHERING PANEL
DWG	DRAWING
E	EXISTING TO REMAIN
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FCO	FUSED CUTOUT
NC	NOT IN CONTRACT
FS	FAN SHUTDOWN

SEQUENCE OF OPERATION

SYSTEM INPUTS		FIRE COMMAND STATION ANNUNCIATION				NOTIFICATION				FIRE SAFETY CONTROL			
SYSTEM OUTPUTS		ACTIVATE COMMON ALARM SIGNAL INDICATOR & LOCAL AUDIBLE ALARM SIGNAL AT THE FIRE COMMAND STATION AND REMOTE ANNUNCIATOR WHERE APPLICABLE				ACTIVATE COMMON TROUBLE SIGNAL INDICATOR & LOCAL AUDIBLE ALARM SIGNAL AT THE FIRE COMMAND STATION AND REMOTE ANNUNCIATOR WHERE APPLICABLE				ACTIVATE LOCAL AUDIBLE SUPERVISORY SIGNAL AND REMOTE ANNUNCIATOR WHERE APPLICABLE			
1	MANUAL PULL STATION												
2	AREA SMOKE DETECTOR												
3	ELEVATOR RELATED SMOKE DETECTOR												
4	IN-DUCT SMOKE DETECTOR												
5	HEAT DETECTOR												
6	WATERFLOW SWITCH												
7	DAMPER SWITCH												
8	TROUBLE CONDITIONS												



NOTES:

1. AUDIBLE DEVICES SHALL PROVIDE ALARM SIGNALS THAT ARE EQUAL TO 15 DECIBELS ABOVE AMBIENT SOUND PRESSURE LEVEL FOR THE OCCUPANCY. BUSINESS OCCUPENCY HAS AMBIENT SOUND PRESSURE LEVEL 55 DECIBELS PER NFPA 72. THEREFORE, AUDIBLE DEVICES SHALL BE 70 DECIBELS OR MORE SOUND PRESSURE LEVEL. MECHANICAL SPACES SHALL PROVIDE MINIMUM SOUND PRESSURE LEVEL OF 90 DECIBELS.
2. ADDRESSABLE DEVICES SHALL BE WIRED THE SAME CLASS CIRCUIT AS THE EXISTING & LEVEL 2 SURVIVABILITY. AUDIBLE AND VISUAL DEVICES SHALL BE WIRED THE SAME CLASS CIRCUIT AS THE EXISTING & LEVEL 2 SURVIVABILITY.

THERE ARE NO CO PRODUCING EQUIPMENT LOCATED IN THIS BUILDING

MEP Engineers:



Project:

FIT GOODMAN LOWER GALLERY NEW HVAC EQUIPMENT
282 7TH AVENUE, NEW YORK, NY 10001

Drawing No.

SK-FA001

Title:

FIRE ALARM COVER SHEET, MATRIX, AND
NOTES

Job No.

8969.78

Date:

01/27/25

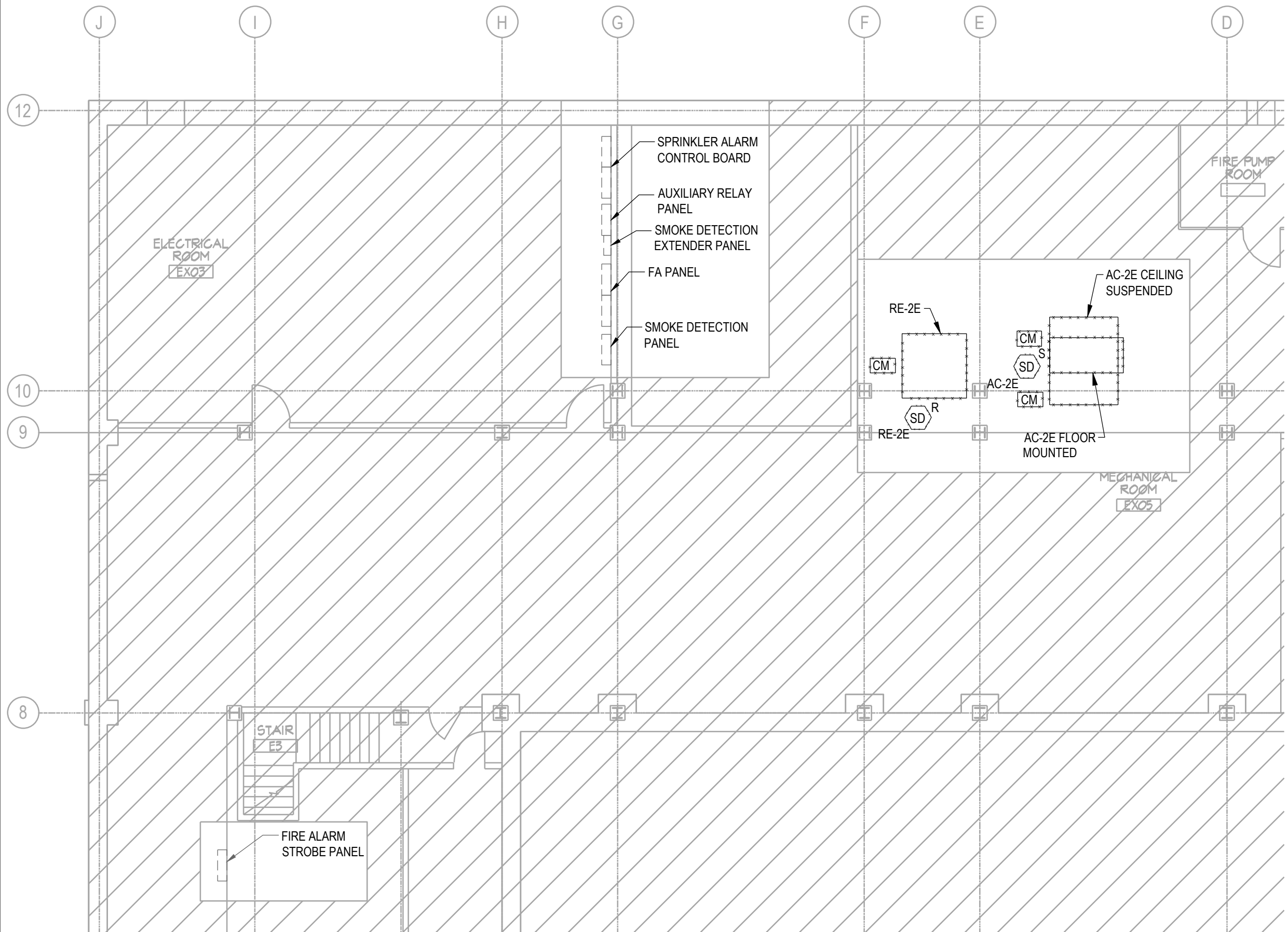
Revision: RISER DIAGRAM ADDED TO COVER PAGE

Scale:

N.T.S

Reference Dwg.

FA-001.00

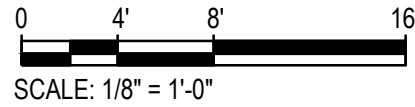



GENERAL NOTES:

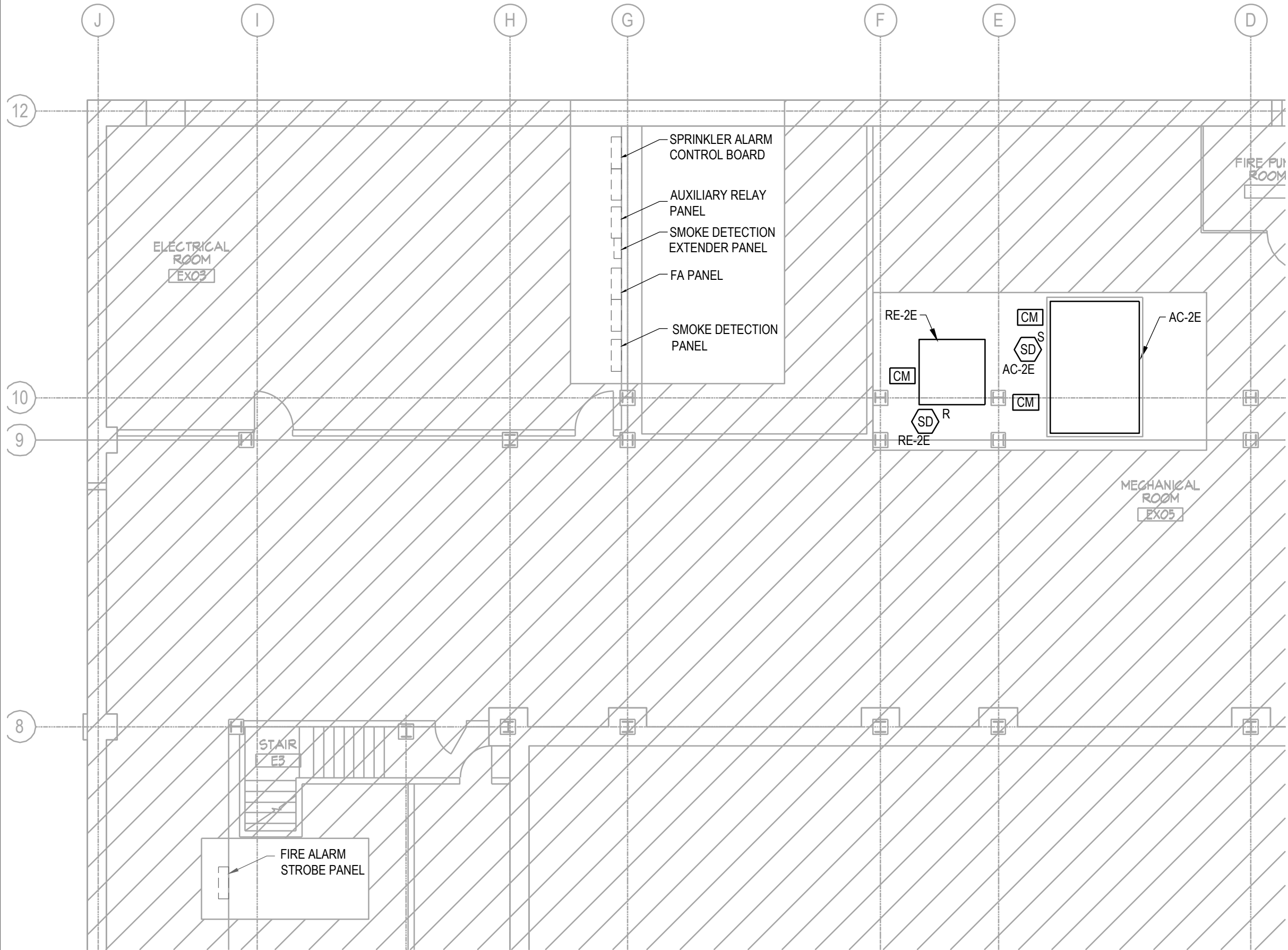
1. REFER TO THE E-000 SERIES FOR NOTES, MATRIX, ABBREVIATIONS, ETC.

WORK NOTES:

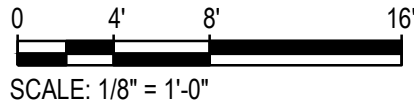
1. EXISTING DUCT SMOKE DETECTORS AND CONTROL MODULES ASSOCIATED WITH FAN SHUTDOWN TO BE REMOVED. ASSOCIATED CONDUIT AND WIRING SHALL BE REMOVED BACK TO THE SOURCE.



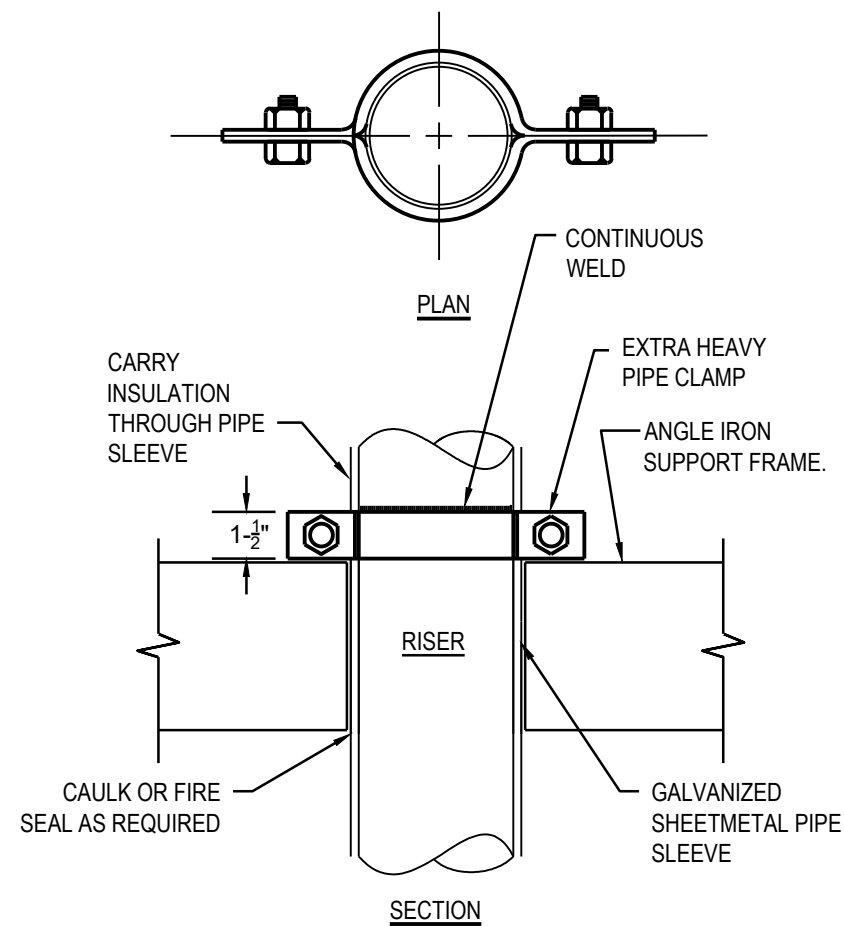
MEP Engineers:  <small>MG Engineering D.P.C. / we engineer success 116 West 32nd Street, 12th Floor, New York, N.Y. 10001 P 212.643.9055 www.mgedpc.net</small>		Project: FIT GOODMAN LOWER GALLERY NEW HVAC EQUIPMENT 282 7TH AVENUE, NEW YORK, NY 10001		Drawing No. SK-FA011
Title: SUB-CELLAR FIRE ALARM DEMO PLAN		Job No. 8969.78	Date: 01/27/25	
Revision: DUCT DETECTORS AND CONTROL MODULES DEMO		Scale: 1/8" = 1'-0"	Reference Dwg. FA-011.00	



- GENERAL NOTES:**
- REFER TO THE E-000 SERIES FOR NOTES, MATRIX, ABBREVIATIONS, ETC.
- WORK NOTES:**
- CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING TO CONNECT THE DUCT SMOKE DETECTORS AND CONTROL MODULES ASSOCIATED WITH FAN SHUTDOWN FOR UNITS AC-2E AND RE-2E TO THE EXISTING FIRE ALARM STROBE PANEL (NEXT TO STAIR E3).



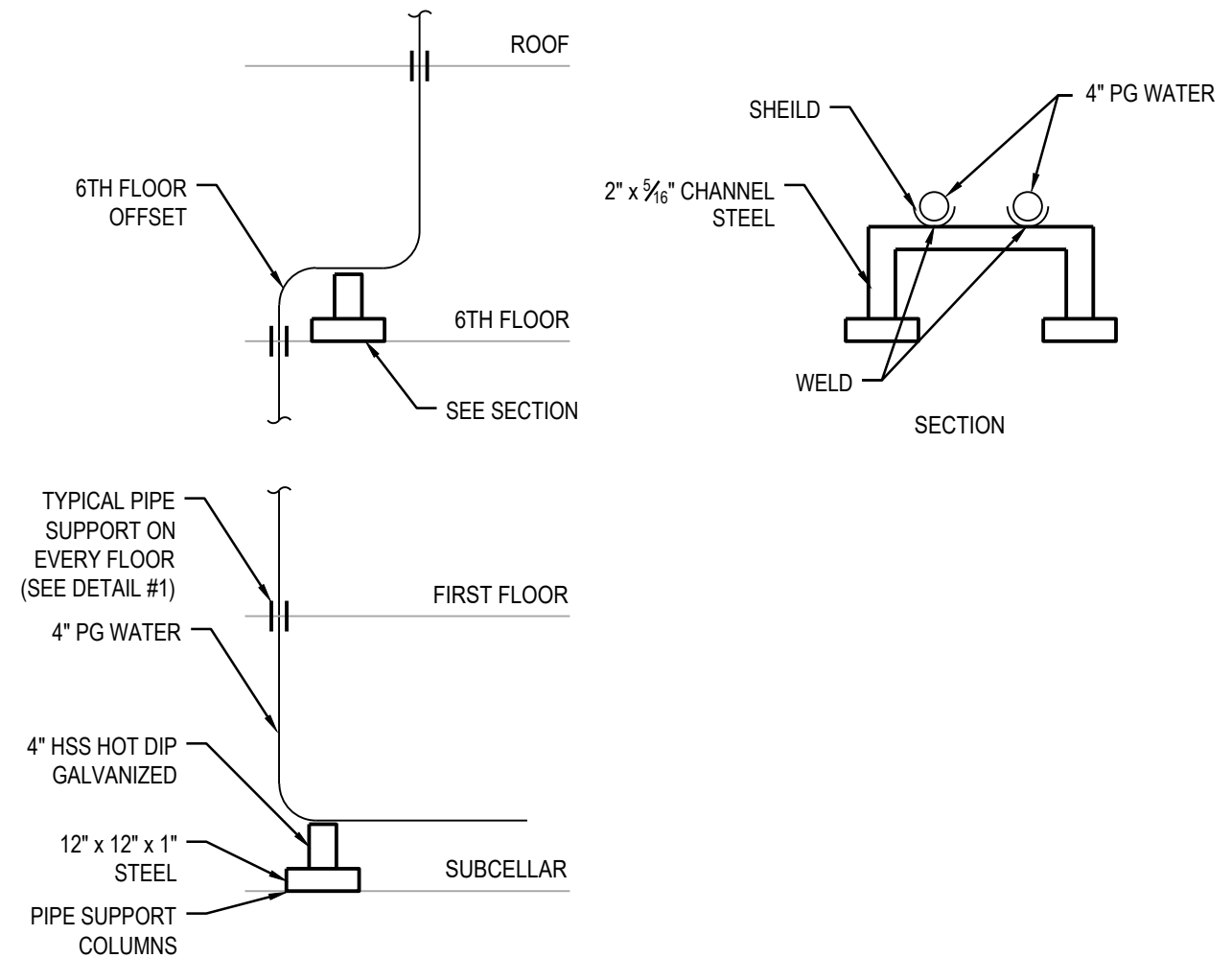
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Title: SUB-CELLAR FIRE ALARM PLAN	Job No. 8969.78	Date: 01/27/25
Revision: DUCT DETECTORS AND CONTROL MODULES	Scale: 1/8" = 1'-0"	Reference Dwg. FA-101.00



1

Pipe Support Detail Typ. Each Floor

Not to Scale



2

Pipe Support Details

Not to Scale

MEP Engineers:



Project:

FIT GOODMAN LOWER GALLERY NEW HVAC EQUIPMENT

282 7TH AVENUE, NEW YORK, NY 10001

Title:

MECHANICAL DETAILS 3

Revision: PIPE SUPPORTS

Job No.

8969.78

Scale:
NTS

Drawing No.

SK-M503

Date:

01/27/25

Reference Dwg.

M-503