



# THE CITY OF PHILADELPHIA

## OFFICE OF EMERGENCY MANAGEMENT

### PHILADELPHIA PUBLIC SERVICES BUILDING

400 NORTH BROAD STREET, PHILADELPHIA, PA 19130

## FLOORS 8, 9 AND 10

PROJECT NO: 10-21-4548-01

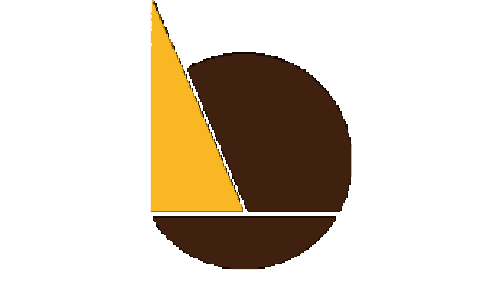
# VOLUME 1 OF 2



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### GENERAL NOTES

- PROTECTION OF PERSONS AND PROPERTY: IN THE EVENT ARCHITECT IS NOTIFIED OF MATERIAL IN AN AREA THAT WILL OR MAY BE AFFECTED BY THE DESIGN WORK AND IS REASONABLY BELIEVED TO BE A HAZARDOUS SUBSTANCE, INCLUDING BUT NOT LIMITED TO ASBESTOS OR POLYCHLORINATED BIPHENYL ("HAZARDOUS SUBSTANCE"), AND WHICH HAS NOT BEEN THE SUBJECT OF REMEDIAL ACTION ACCEPTABLE TO THE OWNER, THE WORK IN THE AREA AFFECTED SHALL BE STOPPED IMMEDIATELY, AND THE CONTRACTOR SHALL REPORT THE CONDITION IN WRITING TO THE CLIENT. THE WORK IN THE AFFECTED AREA SHALL NOT THEREAFTER BE RESUMED, EXCEPT (I) UPON WRITTEN AGREEMENT OF THE CLIENT, IF, IN FACT, THE MATERIAL IS FOUND TO BE A HAZARDOUS SUBSTANCE AND HAS NOT BEEN REMEDIATED, OR (II) IN THE ABSENCE OF SUCH HAZARDOUS SUBSTANCE, OR (III) WHEN IT HAS BEEN REMEDIATED, BY WRITTEN AGREEMENT OF THE CLIENT, OR (IV) IN ACCORDANCE WITH A FINAL DETERMINATION BY A REPUTABLE ASBESTOS REMOVAL CONTRACTOR IF ARBITRATION HAS NOT BEEN DEMANDED, OR (V) UPON THE DETERMINATION OF AN ARBITRATOR IN ACCORDANCE WITH THE CONSTRUCTION INDUSTRY ARBITRATION RULES OF THE AMERICAN ARBITRATION ASSOCIATION. IEI SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, OR DISPOSAL, OF OR EXPOSURE OF PERSONS TO HAZARDOUS SUBSTANCE IN ANY FORM AT THE PROJECT PREMISES, INCLUDING, BUT NOT LIMITED TO, ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
- THE CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS BEFORE COMMENCEMENT OF THE WORK.
- DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS MUST BE VERIFIED. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL NOTIFY IEI IN WRITING OF ANY DISCREPANCIES.
- IN THE CASE OF A CONFLICT BETWEEN THE CONSTRUCTION DOCUMENTS, THE GREATER QUANTITY OR HIGHER QUALITY SHALL TAKE PRECEDENCE. CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF ANY CONFLICT BEFORE PROCEEDING WITH THE WORK.
- THIS PROJECT IS A TENANT FITOUT IN A COMPLETED, PARTIALLY, OR FULLY OCCUPIED BUILDING.

### SYMBOLS

	EXISTING
	NEW WALL
	CMU WALL
	DOOR IDENTIFICATION
	KEY NOTE
	EQUIPMENT IDENTIFICATION/ FIXTURE TAG
	ROOM IDENTIFICATION
	PARTITION IDENTIFICATION
	WINDOW IDENTIFICATION
	REVISION CLOUD & DELTA
	MATCH LINE W/ VIEW REFERENCE
	COLUMN IDENTIFICATION
	DRAWING TITLE
	SECTION CUT MARK FOR PLAN, DETAIL & BUILDING SECTIONS
	ELEVATION MARK FOR INTERIOR ELEVATIONS
	REFERENCE KEY MARK FOR ENLARGED DETAIL
	FLOORLEVEL INDICATOR

### ABBREVIATIONS

(E)	EXISTING
(R)	REMOVE
(RE)	RELOCATED
@	AT
ABV	ABOVE
ACT	ACOUSTIC TILE
AF	ABOVE FINISHED FLOOR
B.O.	BOTTOM OF
BLDG	BUILDING
CLG	CEILING
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
DBL	DOUBLE
DR	DOOR
EA	EACH
ELEV	ELEVATION
EXIST	EXISTING
EXP	EXPANSION
FLOOR	FLUORESCENT
GA	GAUGE
GWB	GYPSUM WALL BOARD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
ID	INSIDE DIAMETER
INFO	INFORMATION
INSUL	INSULATION
LAV	LAVATORY
M.O.	MAXIMUM
MAX	MATCH BUILDING STANDARD
MBS	MANUFACTURER
MFR	MINIMUM
MIN	METAL
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NOM	NOMINAL
O.A.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPP	OPPOSITE
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
R.O.	ROUGH OPENING
SIM	SIMILAR
T.O.	TOP OF
TYP.	TYPICAL
U.L.	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
WI	WITH
WD	WOOD
Ø / DIA.	DIAMETER

### PROJECT TEAM

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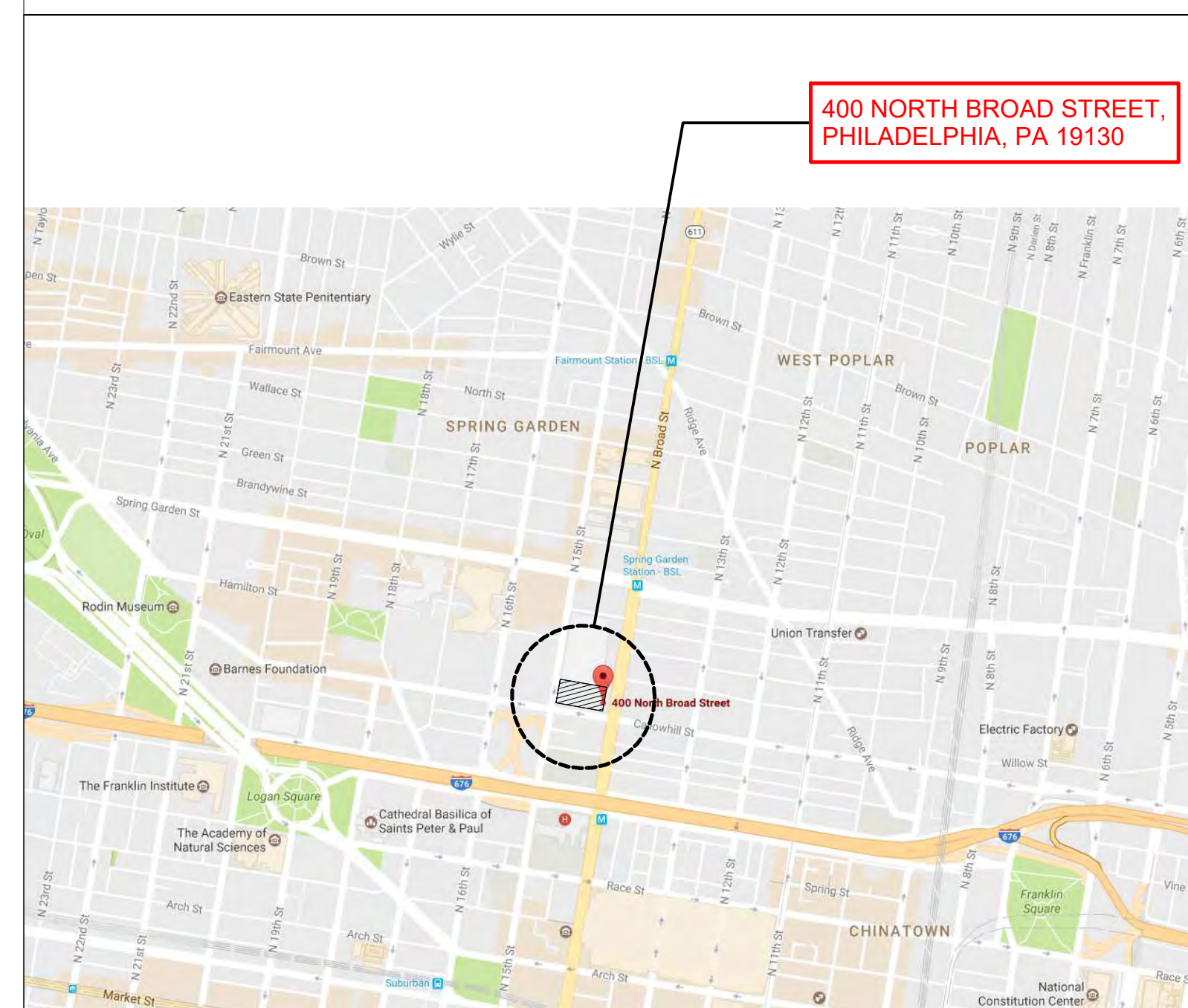
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### DRAWING LIST

ARCHITECTURAL	
G-101.1	COVER SHEET VOL. 1
G-201	CODE INFO
G-202	EGRESS PLANS
A-100	BASEMENT FLOOR PLAN - WEST
A-101	1ST FLOOR PLAN - WEST
A-102	MEZZANINE PLAN - WEST
A-103	2ND FLOOR PLAN - WEST
A-104	3RD FLOOR PLAN - WEST
A-105	4TH FLOOR PLAN - WEST
A-106.1	5TH FLOOR PLAN - WEST
A-106.2	5TH FLOOR PLAN - EAST
A-107	6TH & 7TH FLOOR PLAN
A-108	8TH FLOOR PLAN
A-109	9TH FLOOR PLAN
A-110	10TH FLOOR PLAN
A-111	11TH-13TH FLOOR PLAN & 14TH FLOOR ROOF PLAN
A-150	ENLARGED PLANS
A-151	ENLARGED LOCKER ROOM PLANS
A-208	8TH FLOOR REFLECTED CEILING PLAN
A-209	9TH FLOOR REFLECTED CEILING PLAN
A-210	10TH FLOOR REFLECTED CEILING PLAN
A-300	FINISH SCHEDULE
A-308	8TH FLOOR FINISH PLAN
A-309	9TH FLOOR FINISH PLAN
A-310	10TH FLOOR FINISH PLAN
A-501	INTERIOR ELEVATIONS
A-502	INTERIOR ELEVATIONS
A-503	INTERIOR ELEVATIONS
A-504	INTERIOR ELEVATIONS
A-505	INTERIOR ELEVATIONS
A-506	MILLWORK ELEVATIONS
A-507	LOCKER ROOM ELEVATIONS
A-600	CEILING DETAILS
A-601	CEILING DETAILS
A-602	MILLWORK DETAILS
A-700	PARTITION & EQUIPMENT SCHEDULES
A-701	DOOR SCHEDULE
A1900	SIGN TYPES & ELEVATIONS
AI988	8TH FLOOR SIGNAGE PLAN
AI909	9TH FLOOR SIGNAGE PLAN
AI910	10TH FLOOR SIGNAGE PLAN
STRUCTURAL	
S-100	PARTIAL FLOOR FRAMING PLANS
S-101	PARTIAL FRAMING PLANS
S-102	PARTIAL FRAMING PLANS
S-103	PARTIAL GENERATOR PAD PLAN
S-201	GENERAL NOTES & SCHEDULES
S-201A	SPECIAL INSPECTIONS
S-400	TYPICAL FRAMING DETAILS & SECTIONS
FIRE PROTECTION	
FP-001	FIRE PROTECTION ABBREVIATIONS AND SYMBOLS
FP-002	FIRE PROTECTION GENERAL NOTES
FP-003	OCCUPANCY HAZARD CLASSIFICATION PLANS
FPD-108	FIRE PROTECTION 8TH FLOOR DEMOLITION PLAN
FPD-109	FIRE PROTECTION 9TH FLOOR DEMOLITION PLAN
FPD-110	FIRE PROTECTION 10TH FLOOR DEMOLITION PLAN
FPD-111	FIRE PROTECTION 11TH FLOOR DEMOLITION PLAN
FP-108	FIRE PROTECTION 8TH FLOOR NEW WORK PLAN
FP-109	FIRE PROTECTION 9TH FLOOR NEW WORK PLAN
FP-110	FIRE PROTECTION 10TH FLOOR NEW WORK PLAN
FP-111	FIRE PROTECTION 11TH FLOOR NEW WORK PLAN
FP-501	FIRE PROTECTION RISER DIAGRAM
FP-601	FIRE PROTECTION DETAILS
FP-701	FIRE PROTECTION SCHEDULES
PLUMBING	
P-001	PLUMBING GENERAL NOTES, ABBREVIATIONS & SYMBOLS
PD-108	PLUMBING 8TH FLOOR DEMOLITION PLAN
PD-109	PLUMBING 9TH FLOOR DEMOLITION PLAN
PD-110	PLUMBING 10TH FLOOR DEMOLITION PLAN
P-107	PLUMBING 7TH FLOOR NEW WORK PLAN
P-108	PLUMBING 8TH FLOOR NEW WORK PLAN
P-109	PLUMBING 9TH FLOOR NEW WORK PLAN
P-110	PLUMBING 10TH FLOOR NEW WORK PLAN
P-501	SANITARY PLUMBING RISER DIAGRAM
P-502	PLUMBING DOMESTIC & NATURAL GAS RISER DIAGRAM
P-601	PLUMBING DETAILS
P-701	PLUMBING SCHEDULES

### LOCATION MAP



### PROJECT DATA

**PROJECT DESCRIPTION:**  
THIS PROJECT IS A TENANT FITOUT, FOR CITY OF PHILADELPHIA OFFICE OF EMERGENCY MANAGEMENT(OEM), OF FLOORS 8, 9 AND 10 OF THE PHILADELPHIA PUBLIC SERVICES BUILDING (PPSB). EACH FLOOR IS APPROXIMATELY 9,765 GSF.

- THE FITOUT INCLUDES BUSINESS USE GROUP B AND ASSEMBLY GROUP A-3 SPACES.
- INTERIOR RENOVATION INCLUDES NEW INTERIOR WALLS, DOORS AND FRAMES, CEILINGS, RESTROOMS, FINISHES AND SIGNAGE.
- NEW MECHANICAL SYSTEMS WORK INCLUDES A NEW DOAS AND SMOKE PURGE SYSTEM WITH ENERGY RECOVERY. THE EXTERIOR DOAS EQUIPMENT WILL BE LOCATED ON THE 14TH FLOOR ROOF, WITH DUCT SYSTEMS PENETRATING FLOORS 13, 12 AND 11.
- NEW AUTOMATIC FIRE SPRINKLER SYSTEM WILL BE INSTALLED AND WILL EXTEND THE BASE BUILDING SYSTEM.
- NEW PLUMBING WORK INCLUDES ADDING RESTROOMS, SHOWERS, AND PANTRY AREAS.
- NEW ELECTRICAL SYSTEMS WORK EXTENDS THE DISTRIBUTION SYSTEMS AND INCLUDES A BACKUP GENERATOR WITH HIGH-VOLTAGE CONNECTION TO SERVE OEM. THE GENERATOR AND OIL TANK WILL BE LOCATED ON THE BASEMENT LEVEL NEAR 15TH STREET.
- NEW LED LIGHTING WILL BE INSTALLED THROUGHOUT.
- NEW DATA AND COMMUNICATIONS CONNECTIVITY EXTENDS TO THE 2ND AND 5TH FLOORS OF THE BASE BUILDING.
- NEW OFFICE FURNITURE WILL BE INCLUDED IN THIS PROJECT, PROVIDED BY THE OWNER.
- EXISTING BASE BUILDING SYSTEMS AND FACILITIES SERVING FLOORS 8, 9 AND 10 ARE NOT INCLUDED IN THE TENANT SCOPE OF WORK. THIS INCLUDES TOILET ROOMS, IDF AND ELECTRICAL ROOMS, PASSENGER ELEVATORS AND FIRE STAIRS, AND EXTERIOR WALLS AND GLAZING.
- THE PPPS IS A HISTORICALLY REGISTERED BUILDING.

**CLIENT**  
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LICENSE NO. -Architect's License #-

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PROJECT TITLE:  
THE CITY OF PHILADELPHIA  
OFFICE OF EMERGENCY MANAGEMENT  
PHILADELPHIA PUBLIC SERVICES BUILDING  
400 NORTH BROAD STREET, PHILADELPHIA, PA 19130  
FLOORS 8, 9 AND 10

- PROGRESS SET
- CLIENT REVIEW
- BID SET
- CODE REVIEW SET
- ISSUED FOR CONSTRUCTION

ISSUED FOR BIDS  
09/18/2020  
(NOT FOR CONSTRUCTION)

ISSUES/REVISIONS:  
1 9/18/2020 ISSUED FOR BIDS

PROJECT NUMBER: 304103-120  
SCALE: As indicated  
DATE: 09/18/2020  
DRAWN BY: SM  
CHECKED BY: PT

DRAWING TITLE:  
COVER SHEET  
VOL. 1

SHEET NO:  
G-101.1

BIM\_380/PPSB - Office of Emergency Management\304103-120\_PPSB-OEM - ARCH-DOCUMENTATION - 08-10 - Eight-Tenth Floors.rvt

2018 IBC - TABLE 1004.5 MAX. FLOOR AREA ALLOWANCES PER OCCUPANT			
OCCUPANCY CALCULATION			
FLOOR 8			
B BUSINESS	9,764 SF	150 SF/OCC	66 OCC
FLOOR 8 TOTAL			66 OCC
FLOOR 9			
A-3 SITUATION ROOM	774 SF	15 SF/OCC	52 OCC
A-3 E.O.C. + JOINT COMMAND	3,136 SF	ACTUAL	78 OCC
B BUSINESS	5,855 SF	150 SF/OCC	40 OCC
FLOOR 9 TOTAL			170 OCC
FLOOR 10			
A-3 MULTI-FUNCTION ROOMS	1,178 SF	15 SF/OCC	79 OCC
B LOCKER	347 SF	50 SF/OCC	7 OCC
B SLEEP	299 SF	ACTUAL	8 OCC
B BUSINESS STORAGE	870 SF	300 SF/OCC	3 OCC
B BUSINESS	7,070 SF	150 SF/OCC	48 OCC
FLOOR 10 TOTAL			145 OCC
TOTAL OCCUPANCY			381 OCC

**2018 PHILADELPHIA PLUMBING CODE - TABLE 403.1 MIN. NUMBER OF REQUIRED PLUMBING FIXTURES**

CALCULATED REQUIRED FIXTURES										
CLASSIFICATION / OCCUPANCY	NO. OF PERSONS	WATER CLOSETS		NO. OF PERSONS	LAVATORIES		SHOWERS		DRINKING WATER	SERVICE SINK
		M	F		M	F	M	F		
<b>FLOOR 8</b>										
BUSINESS USE										
33 MEN	1 - 25	1	1	1 - 40	1	1	0	0	1/100	1 / FL 1
33 WOMEN	EACH ADDTL 50	1	1	EACH ADDTL 80	0	0	0	0		
66 SUBTOTAL		2	2		1	1	0	0		1
TOTAL FIXTURES		2	2		1	1	0	0		1
<b>FLOOR 9</b>										
BUSINESS USE										
20 MEN	1 - 25	1	1	1 - 40	1	1	0	0	1/100	1 / FL
20 WOMEN	EACH ADDTL 50	0	0	EACH ADDTL 80	0	0	0	0		
40 SUBTOTAL		1	1		1	1	0	0		0
TOTAL FIXTURES		2	2		1	1	0	0		1
<b>FLOOR 10</b>										
BUSINESS USE										
33 MEN	1 - 25	1	1	1 - 40	1	1	0	0	1/100	1 / FL
33 WOMEN	EACH ADDTL 50	1	1	EACH ADDTL 80	0	0	0	0		
66 SUBTOTAL		2	2		1	1	0	0		0
TOTAL FIXTURES		2	2		1	1	0	0		1
<b>FLOOR 10</b>										
BUSINESS USE										
40 MEN	1 / 75	1	1	1 / 200	1	1	0	0	1/500	1 / FL 1
40 WOMEN							0	0		
80 SUBTOTAL		1	1		1	1	0	0		1
TOTAL FIXTURES		3	3		2	2	0	0		1
TOTAL FIXTURES - FLOOR 8, 9 + 10		7	7		5	5	0	0		3

PROVIDED FIXTURES							
Fixture Type	WATER CLOSETS		LAVATORIES		SHOWERS	DRINKING WATER	SERVICE SINK
FLOOR 8	2	3	1	2	0	2	1
FLOOR 9	2	2	1	1	0	2	1
FLOOR 10	4	5	3	4	1	2	1
TOTAL PROVIDED FIXTURES	8	10	5	7	1	6	3

- NOTES:
- PER 403.3.3 LOCATION OF TOILET FACILITIES. REQUIRED TOILET FACILITIES SHALL NOT BE LOCATED MORE THAN ONE STORY ABOVE OR BELOW THE SPACE REQUIRED TO BE PROVIDED WITH TOILET FACILITIES.
  - URINAL COUNT IS INCLUDED IN MEN'S TOILET COUNT. URINALS ARE PROVIDED FOR 1/2 OF MEN'S TOILET COUNT.
  - UNISEX TOILET ROOM FIXTURE COUNTS ARE INCLUDED IN WATER CLOSET AND LAVATORY FIXTURE COUNTS.
  - LAVATORIES IN SHOWER ROOMS ARE INCLUDED IN LAVATORY COUNTS.
  - SINKS SHOWN IN PANTRIES, BREAK ROOMS AND LACTATION ROOMS ARE NOT INCLUDED IN PROVIDED LAVATORY COUNT.

**CODE INFORMATION**

**BUILDING CODE REFERENCES**  
 PHILADELPHIA ADMINISTRATIVE CODE  
 2018 INTERNATIONAL BUILDING CODE WITH AMENDMENTS  
 2018 INTERNATIONAL MECHANICAL CODE WITH AMENDMENTS  
 2018 INTERNATIONAL EXISTING BUILDING CODE WITH AMENDMENTS  
 2017 NATIONAL ELECTRICAL CODE  
 2018 INTERNATIONAL PERFORMANCE BUILDING CODE  
 2018 INTERNATIONAL ENERGY CONSERVATION CODE  
 2018 PHILADELPHIA FIRE CODE  
 2018 INTERNATIONAL FUEL GAS CODE  
 2018 INTERNATIONAL PLUMBING CODE  
 ACCESSIBILITY - 2018 INTERNATIONAL BUILDING CODE CH. 11 AND ANSI 117.1 2010 EDITION

**PROJECT SUMMARY**  
 THIS PROJECT IS A TENANT FITOUT OF FLOORS 8, 9 AND 10 OF THE PHILADELPHIA PUBLIC SERVICES BUILDING (PPSB). EACH FLOOR IS APPROXIMATELY 9,765 GSF.  
 \* THE FIT OUT INCLUDES BUSINESS USE GROUP B AND ASSEMBLY GROUP A-3 SPACES.  
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 \* NEW MECHANICAL SYSTEMS WORK INCLUDES A NEW DOAS AND SMOKE PURGE SYSTEM WITH ENERGY RECOVERY. THE EXTERIOR DOAS EQUIPMENT WILL BE LOCATED ON THE 14TH FLOOR ROOF. WITH DUCT SYSTEMS PENETRATING FLOORS 13, 12 AND 11.  
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 \* NEW LED LIGHTING WILL BE INSTALLED THROUGHOUT.  
 \* NEW DATA AND COMMUNICATIONS CONNECTIVITY EXTENDS TO THE 2ND AND 5TH FLOORS OF THE BASE BUILDING.  
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 \* THE PSPB IS A HISTORICALLY REGISTERED BUILDING.

**SECTION 302.2 OCCUPANCY CLASSIFICATION**  
 303.1.1 SMALL BUILDINGS AND TENANT SPACES  
 A BUILDING OR TENANT SPACE USED FOR ASSEMBLY PURPOSES WITH AN OCCUPANT LOAD OF LESS THAN 50 PERSONS SHALL BE CLASSIFIED AS A GROUP B OCCUPANCY.

**SECTION 304.1 BUSINESS GROUP B**  
 (PRIVATE OFFICES AND OPEN OFFICE AREAS, IT / TECH ROOMS, SLEEP ROOM)  
 SECTION 803.4 ASSEMBLY GROUP A-3  
 (EMERGENCY OPERATIONS CENTER, SITUATION ROOM, MULTI-FUNCTION ROOMS)

**SECTION 602 CONSTRUCTION CLASSIFICATION**  
 BASE BUILDING STRUCTURE IS TYPE "1A" CONSTRUCTION (SPRINKLERED).

**TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS**  
 TYPE "1A" CONSTRUCTION

STRUCTURAL FRAME	3 HRS
BEARING WALLS EXTERIOR & INTERIOR	3 HRS
NONBEARING WALLS & PARTITIONS (EXTERIOR)	0 HRS (TABLE 602)
NONBEARING WALLS & PARTITIONS (INTERIOR)	0 HRS
FLOOR CONSTRUCTION	2 HRS
ROOF CONSTRUCTION	1 1/2 HRS

**SECTION 708 SMOKE PARTITIONS (ELEVATOR LOBBIES)**  
 710.3 FIRE-RESISTANCE RATING  
 UNLESS REQUIRED ELSEWHERE IN THE CODE, SMOKE PARTITIONS ARE NOT REQUIRED TO HAVE A FIRE-RESISTANCE RATING.  
 SECTION 803.4 ASSEMBLY GROUP A-3  
 WHERE REQUIRED ELSEWHERE IN THE CODE, DOORS IN SMOKE PARTITIONS SHALL BE SELF-OR AUTOMATIC-CLOSING BY SMOKE DETECTION

**SECTION 713.4 SHAFT FIRE RESISTANCE RATINGS**  
 SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HOURS WHERE CONNECTING FOUR STORIES OR MORE, AND NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES.

**TABLE 717.3.2.1 OPENING PROTECTIVES**  
 FIRE DAMPER RATING IN LESS THAN 3-HOUR FIRE RESISTANCE-RATED ASSEMBLIES  
 1 1/2 HR. MIN. DAMPER RATING

**TABLE 803.13 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY**  
 (FULLY SPRINKLERED)

USE GROUP	A-3	B
INTERIOR EXIT STAIRWAYS & EXIT PASSAGEWAYS	B	B
CORRIDORS & EXIT ENCLOSURES	B	C
ROOMS AND ENCLOSED SPACES	C	C

**TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT**

ACCESSORY STORAGE AREAS, MECH. EQPT ROOM	300 SF GROSS / OCC
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES & CHAIRS)	15 SF NET / OCC
ASSEMBLY WITHOUT FIXED SEATS - CONCENTRATED (CHAIRS ONLY)	7 SF NET / OCC
BUSINESS AREAS	150 SF GROSS / OCC
INSTITUTIONAL AREAS - SLEEPING AREAS	120 SF GROSS / OCC
LOCKER ROOMS	50 SF GROSS / OCC

**SECTION 1005.1 REQUIRED CAPACITY BASED ON OCCUPANT LOAD (SPRINKLERED)**

1005.3.1 STAIRWAYS	0.3/OCC
1005.3.2 OTHER EGRESS COMPONENTS	0.15/OCC

**SECTION 1006.2.1 EGRESS BASED ON OCCUPANCY**

2 EXITS REQUIRED EXCEPT WHERE NOTED IN TABLE 1006.2.1.

**SECTION 1006.2 EGRESS THROUGH INTERVENING SPACES**  
 EXIT ACCESS THROUGH AN ENCLOSED ELEVATOR LOBBY IS PERMITTED.

**TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (SPRINKLERED)**

OCCUPANCY	MAX. OCC. LOAD	MAX. COMMON PATH OF EGRESS DISTANCE
ASSEMBLY	49	75 FT
BUSINESS	49	100 FT

**1010.1.1 SIZE OF DOORS (CLEAR WIDTH)**  
 32" MINIMUM CLEAR OPENING, 48" MAXIMUM.

**1010.1.2.1 DIRECTION OF DOOR SWING**  
 DOOR SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE OCCUPANT LOAD IS 50 OR MORE.

**TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE (SPRINKLERED)**

'A' OCCUPANCY	250 FT
'B' OCCUPANCY	300 FT

**TABLE 1020.1 CORRIDOR FIRE-RESISTANCE RATING (SPRINKLERED)**

'A', 'B' OCCUPANCY	0 HRS (>30 OCCUPANT LOAD)
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**TABLE 1020.2 MINIMUM CORRIDOR WIDTH**

44"	MINIMUM UNLESS NOTED OTHERWISE.
24"	FOR ACCESS TO ELECTRICAL, MECHANICAL OR PLUMBING SYSTEMS OR EQUIPMENT.
36"	OCCUPANT LOAD OF 50 OR LESS.

**1020.4 DEAD ENDS**

DEAD END CORRIDORS	20'-0" MAXIMUM
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EXCEPTION 2:  
 'B' OCCUPANCY (SPRINKLERED) ..... 50'-0" MAXIMUM

**SECTION 3004.6 ELEVATOR LOBBY MEANS OF EGRESS**  
 ELEVATOR LOBBIES SHALL BE PROVIDED WITH NOT LESS THAN ONE MEANS OF EGRESS. EGRESS THROUGH AN ENCLOSED ELEVATOR LOBBY SHALL BE PERMITTED IN ACCORDANCE WITH ITEM 1 OF SECTION 1016.2.



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**CODE INFO**

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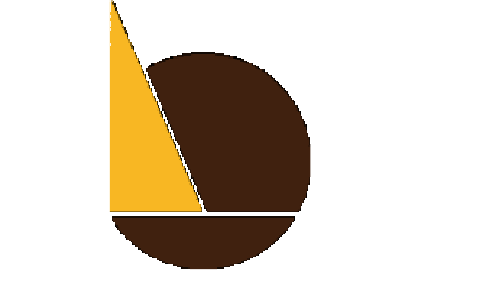
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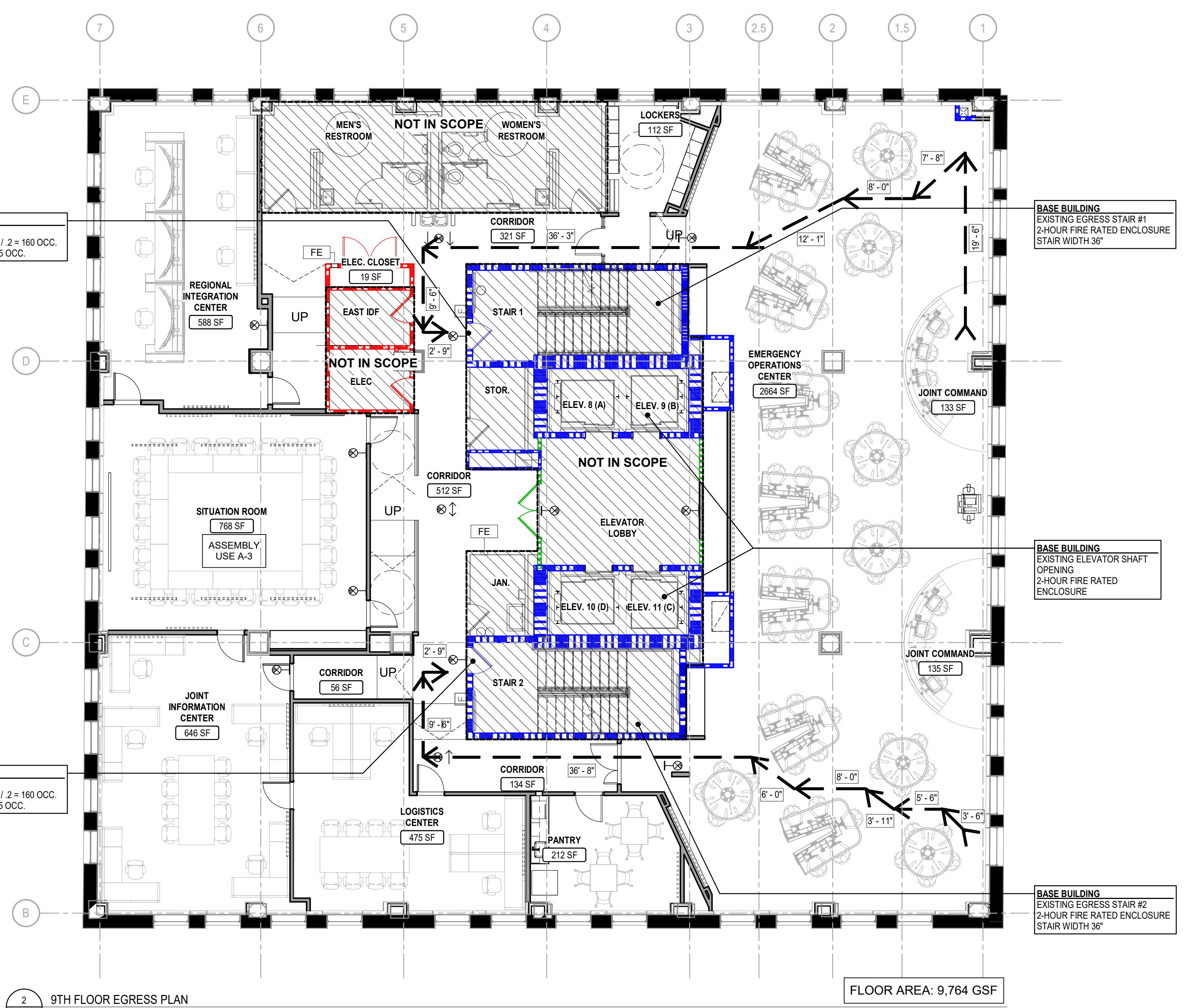
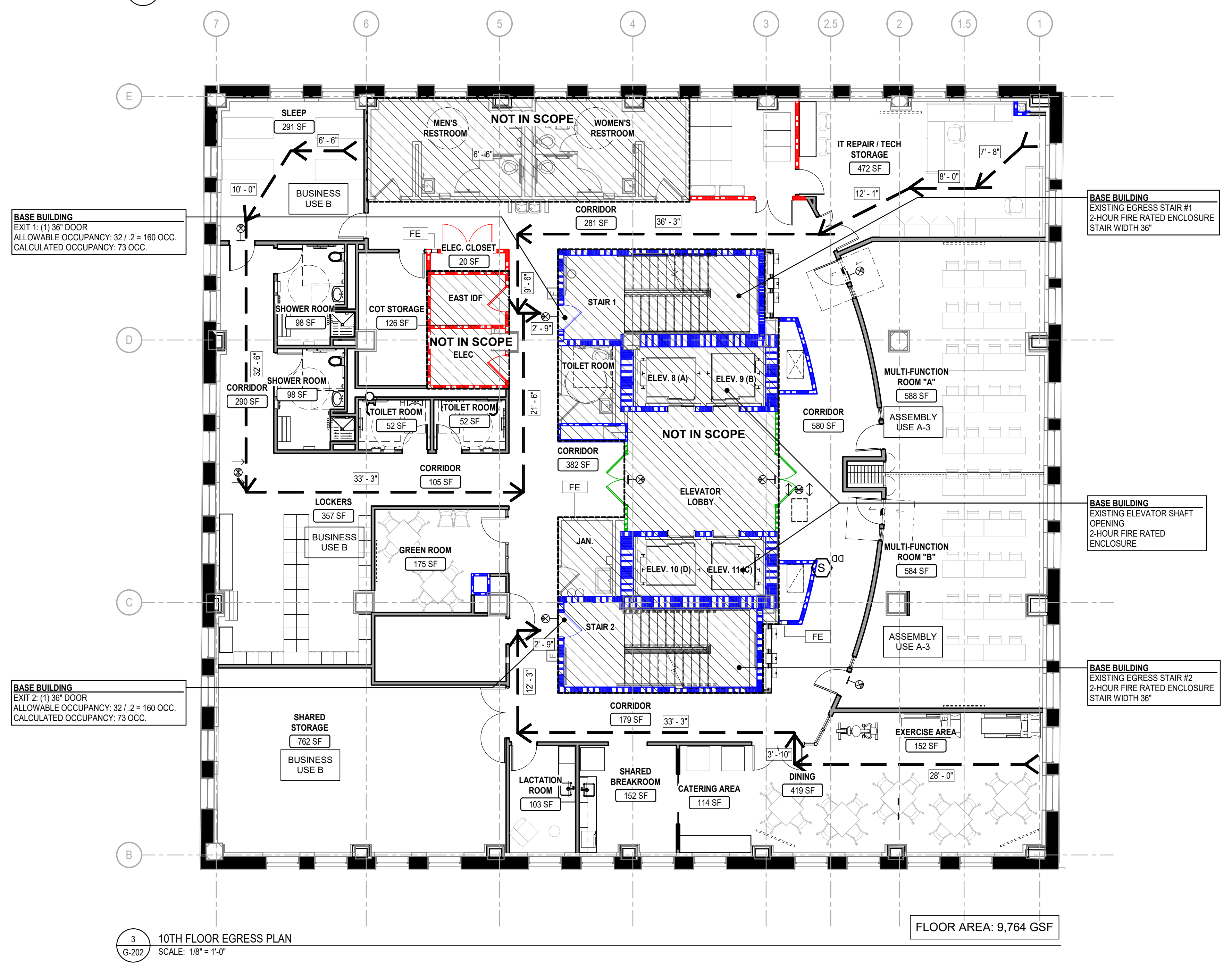
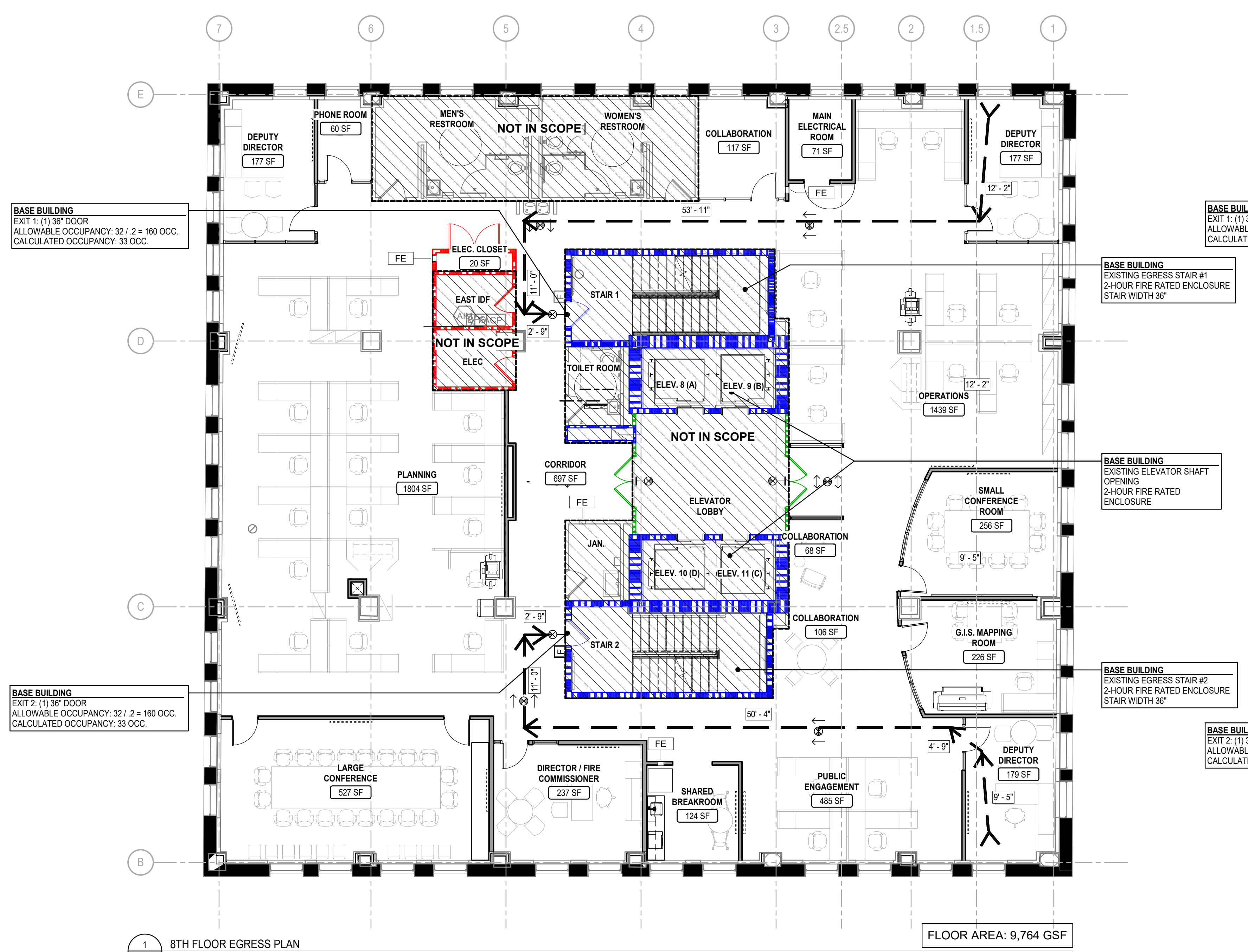
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**EGRESS PLANS**

SHEET NO.:

**G-202**

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**LEGEND**

ROOM NAME	ROOM + SF INFORMATION
XXX SF	ROOM + SF INFORMATION
100 FT	EGRESS TRAVEL DISTANCE (PER SEGMENT)
XXX FT	PATH OF EGRESS TRAVEL
[Hatched Box]	AREA NOT IN SCOPE OF WORK
[Red Dashed Line]	1-HOUR RATED PARTITION
[Blue Dashed Line]	2-HOUR RATED PARTITION
[Black Dashed Line]	3-HOUR RATED PARTITION
[Dotted Line]	SMOKE PARTION

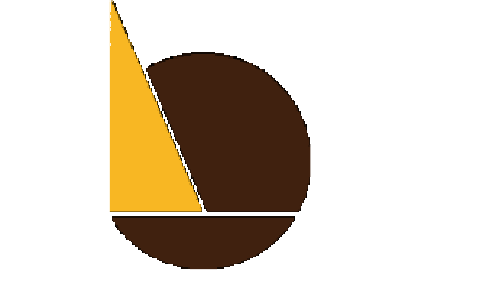
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DRAWING TITLE:  
**BASEMENT FLOOR PLAN - WEST**

SHEET NO.:  
**A-100**

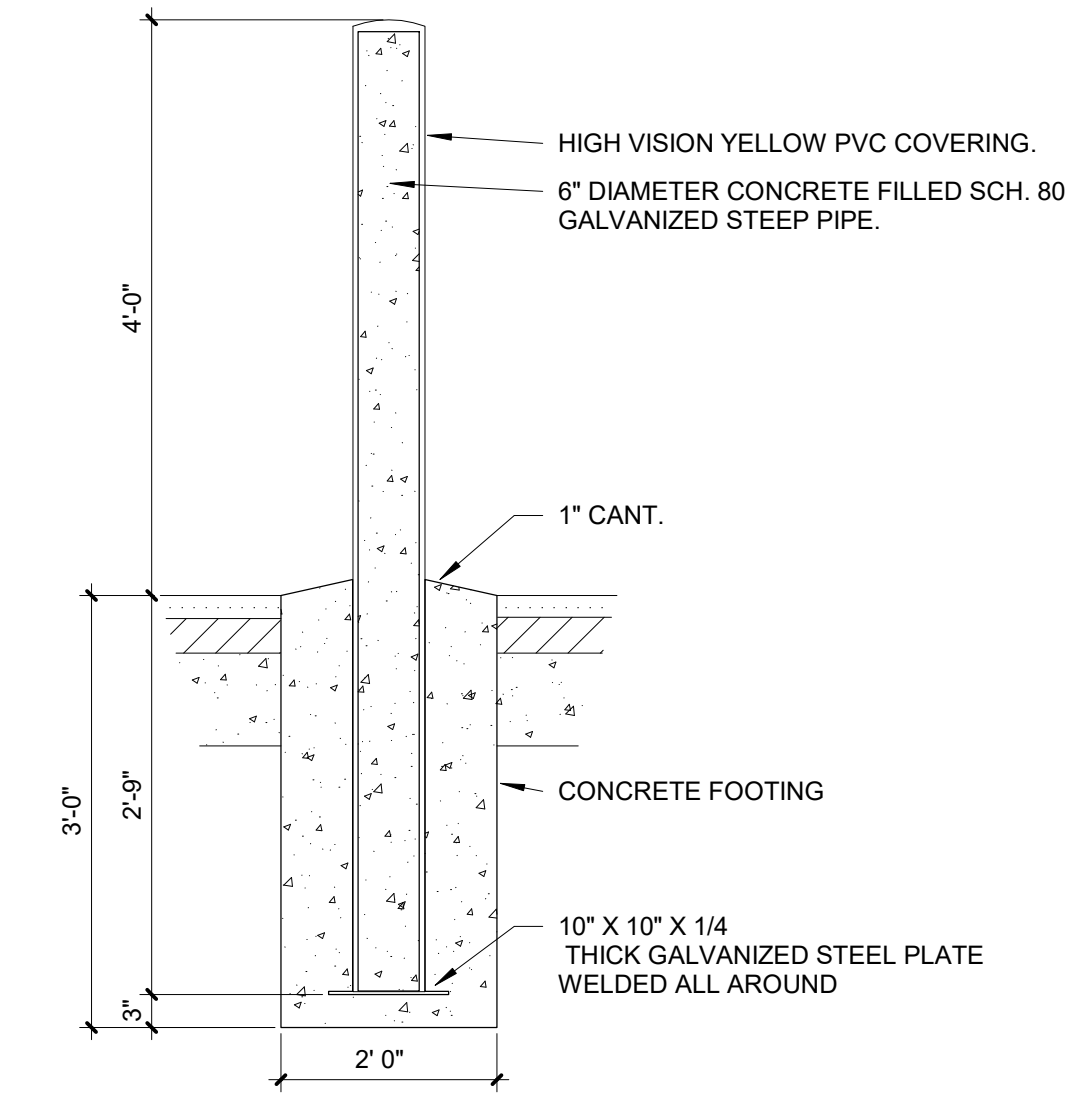
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**GENERAL NOTES**

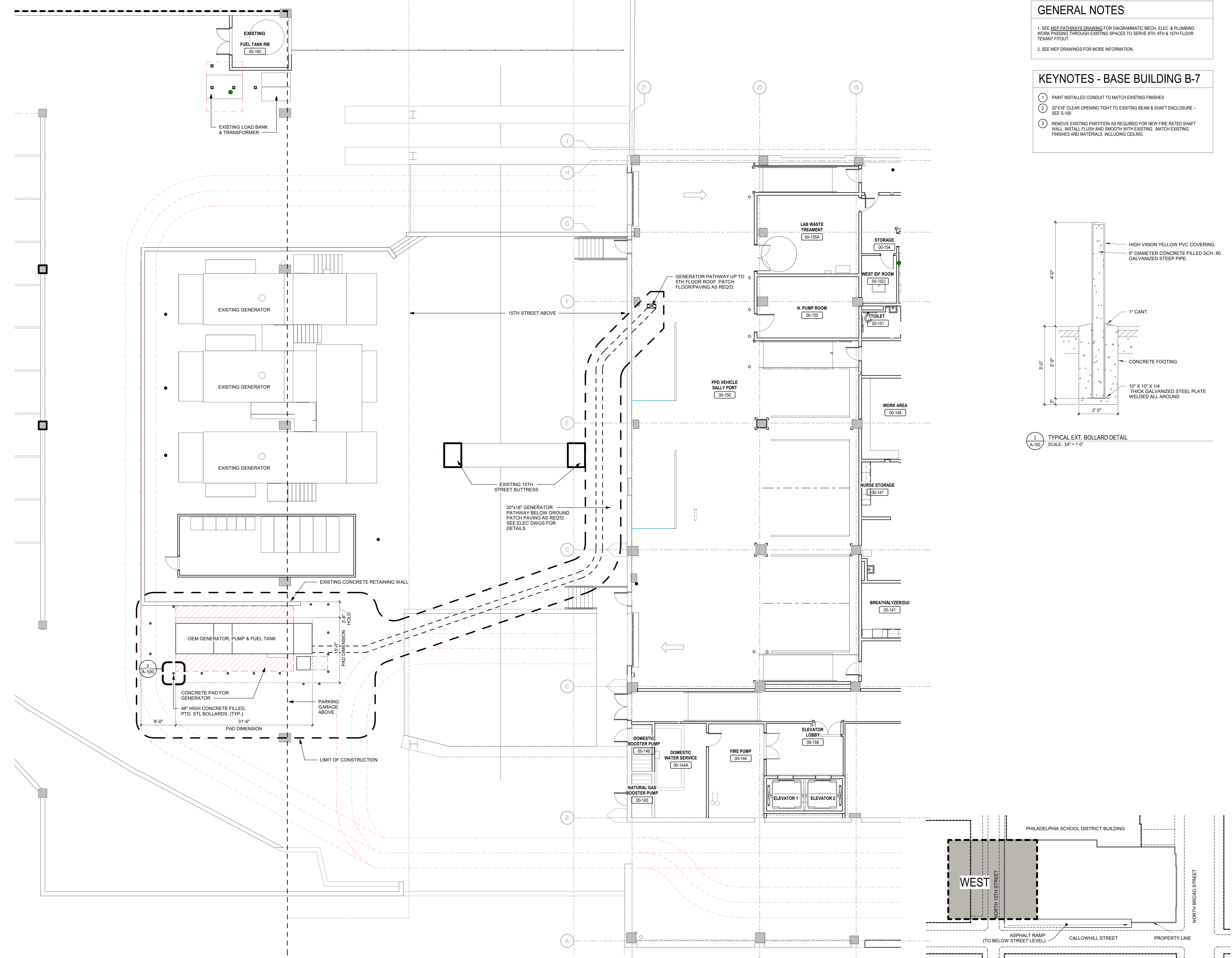
1. SEE MEP PATHWAYS DRAWING FOR DIAGRAMMATIC MECH. ELEC & PLUMBING WORK PASSING THROUGH EXISTING SPACES TO SERVE 8TH, 9TH & 10TH FLOOR TENANT FITOUT.
2. SEE MEP DRAWINGS FOR MORE INFORMATION.

**KEYNOTES - BASE BUILDING B-7**

1. PAINT INSTALLED CONDUIT TO MATCH EXISTING FINISHES
2. 20"x18" CLEAR OPENING TIGHT TO EXISTING BEAM & SHAFT ENCLOSURE - SEE S-100
3. REMOVE EXISTING PARTITION AS REQUIRED FOR NEW FIRE RATED SHAFT WALL. INSTALL FLUSH AND SMOOTH WITH EXISTING. MATCH EXISTING FINISHES AND MATERIALS, INCLUDING CEILING.



2 TYPICAL EXT. BOLLARD DETAIL  
 SCALE: 3/4" = 1'-0"



1 BASEMENT FLOOR PLAN  
 SCALE: 1/8" = 1'-0"

KEY PLAN - AREA OF WORK BASEMENT WEST  
 SCALE: N.T.S.

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**GENERAL NOTES**

1. SEE A-100 FOR BASE BUILDING GENERAL NOTES.

**KEYNOTES - BASE BUILDING B-7**

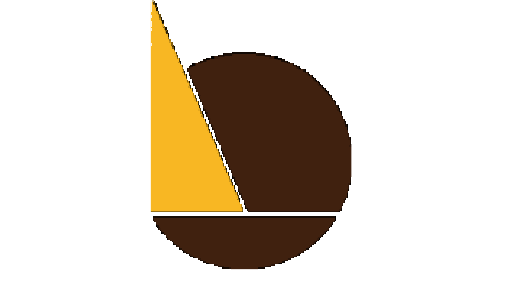
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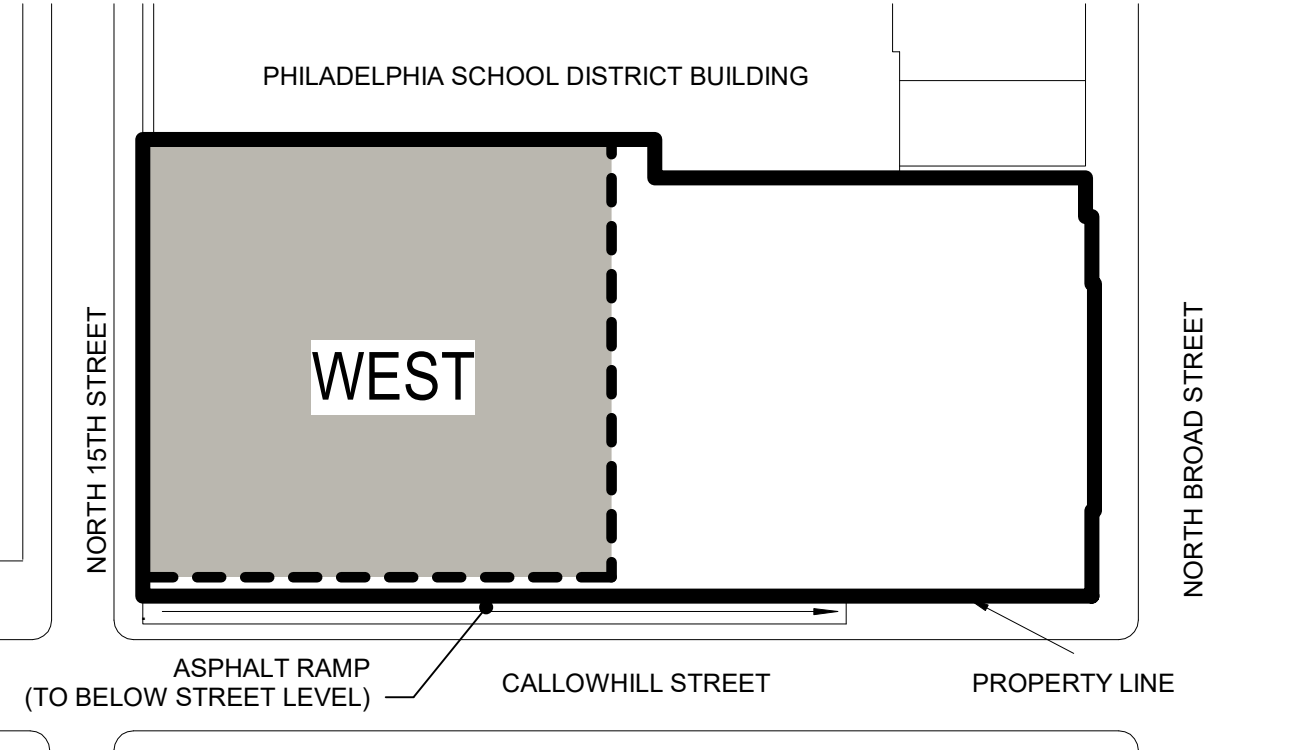
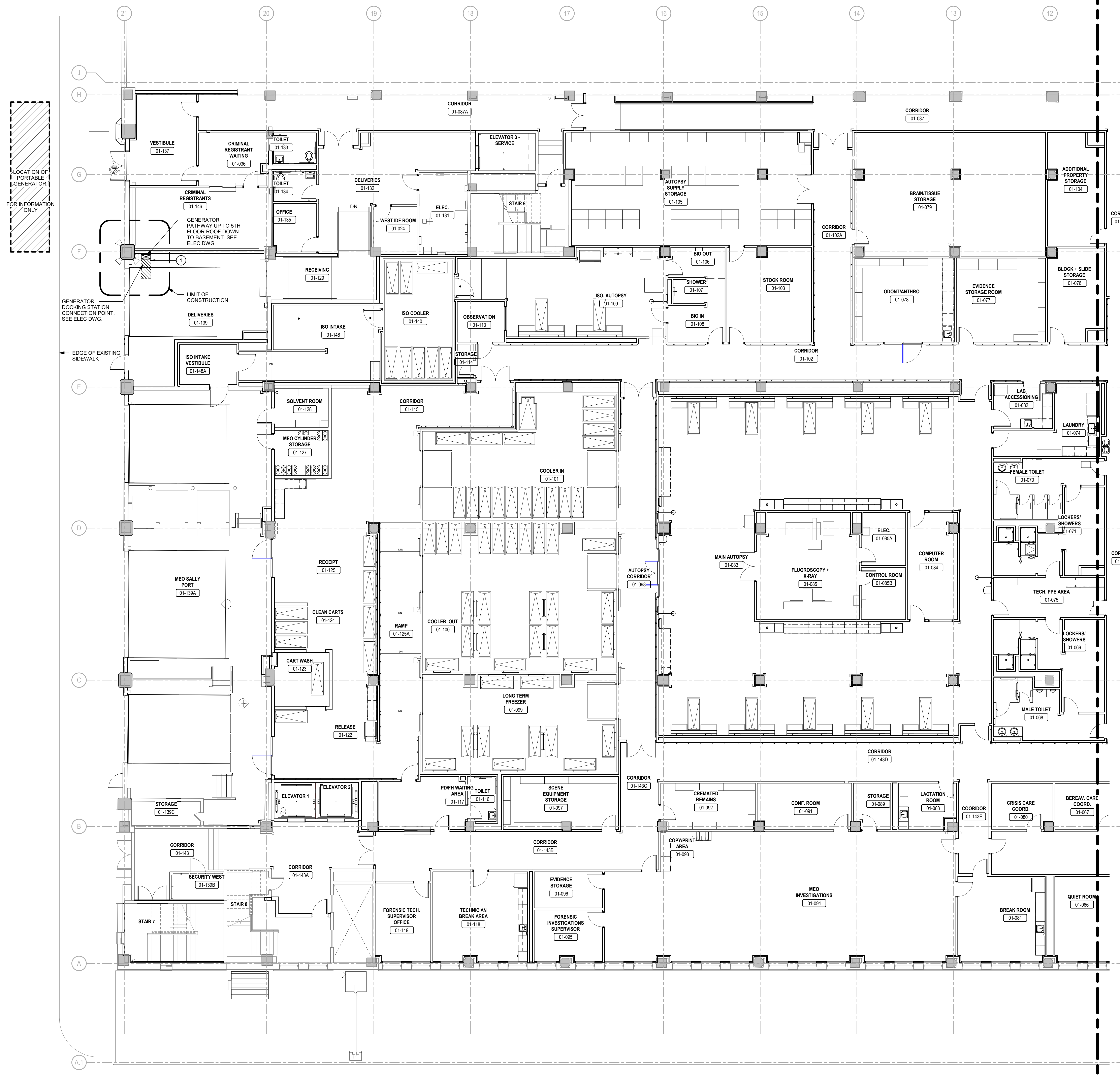
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DRAWING TITLE:  
**1ST FLOOR PLAN - WEST**

SHEET NO.:  
**A-101**

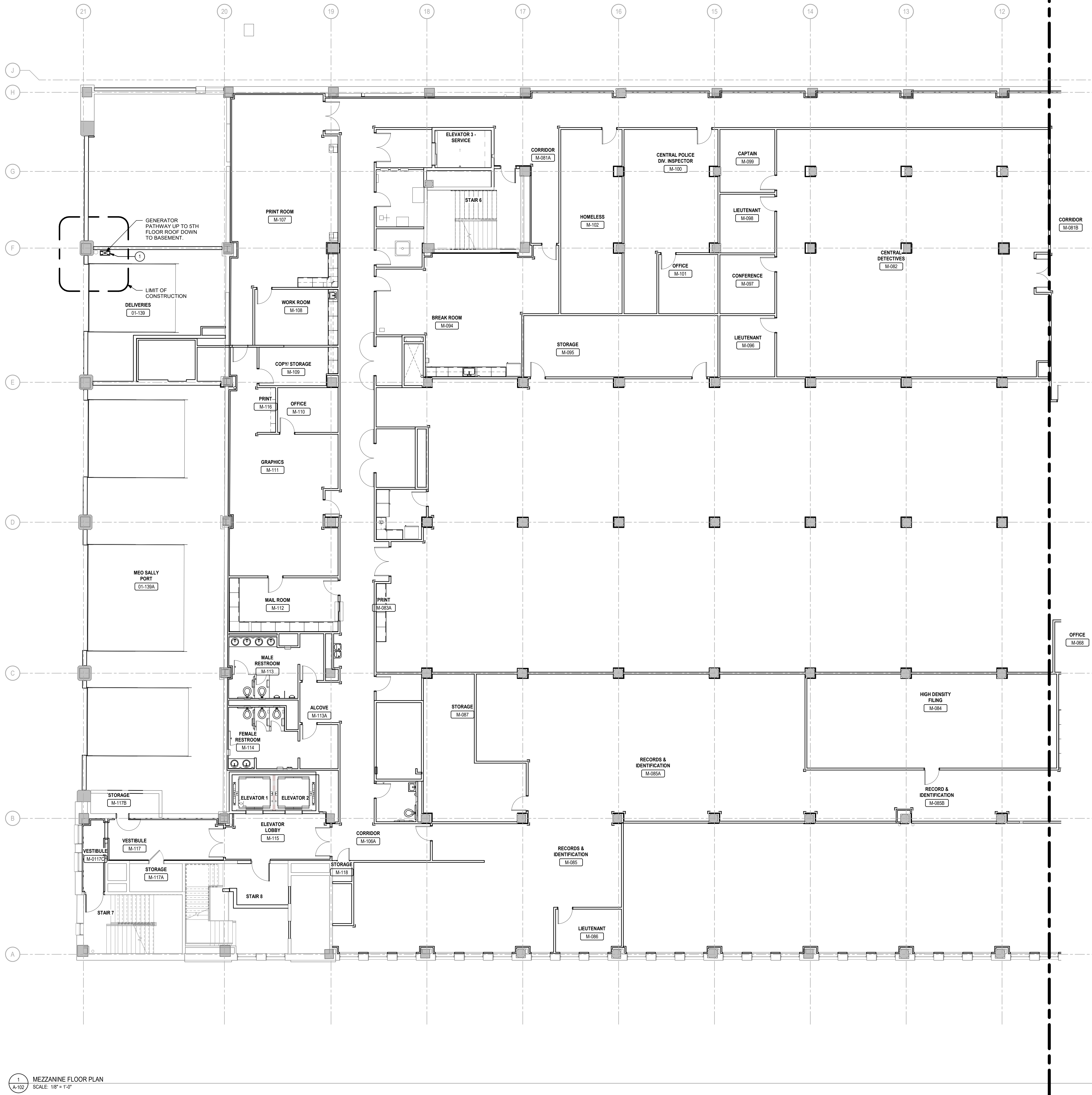
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1 1ST FLOOR PLAN  
 A-101 SCALE: 1/8" = 1'-0"

KEY PLAN - AREA OF WORK LOW RISE WEST  
 SCALE: N.T.S.

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**GENERAL NOTES**

1. SEE A-100 FOR BASE BUILDING GENERAL NOTES.

**KEYNOTES - BASE BUILDING B-7**

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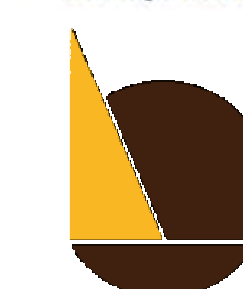


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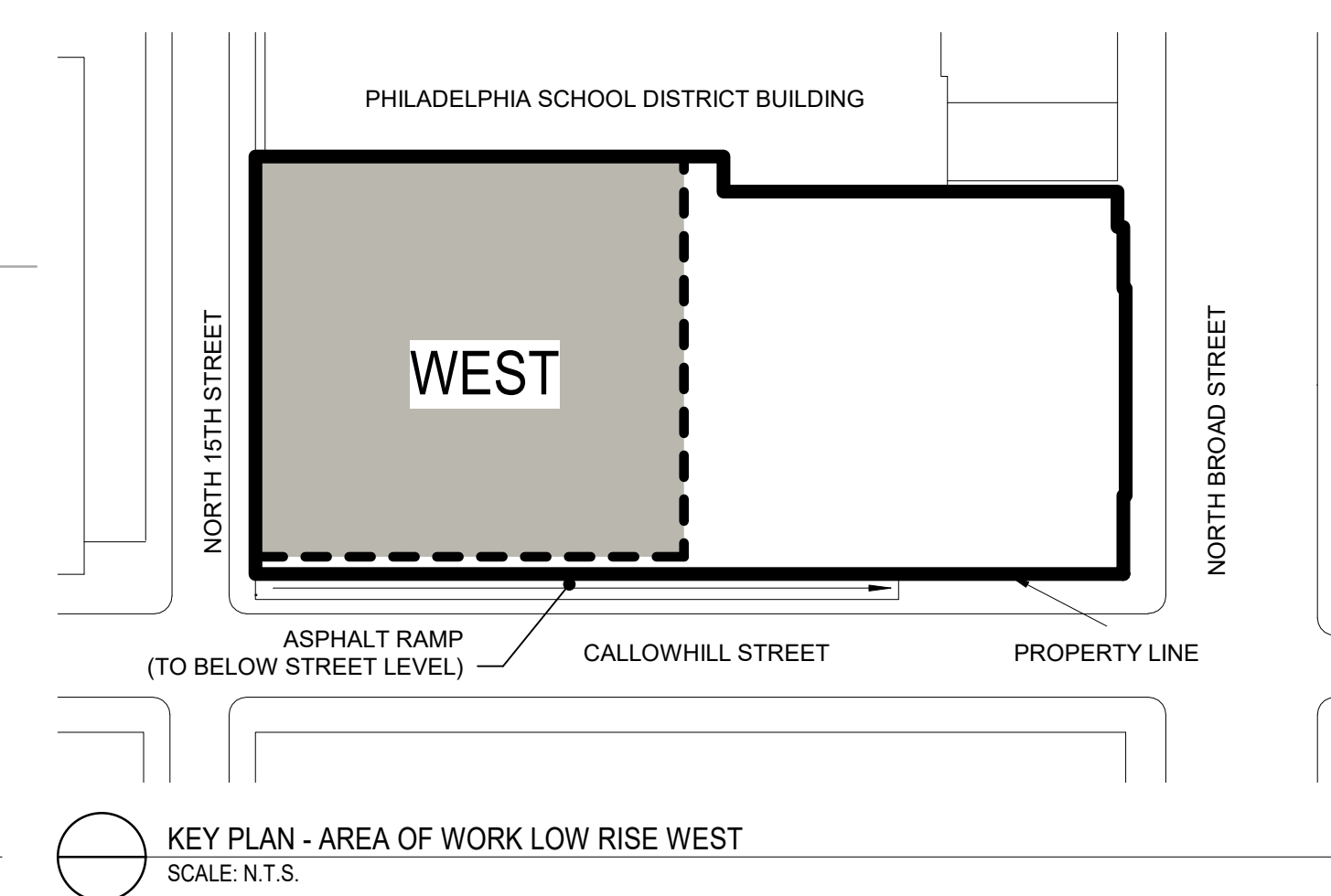
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DRAWING TITLE:  
**MEZZANINE PLAN - WEST**

SHEET NO.:  
**A-102**

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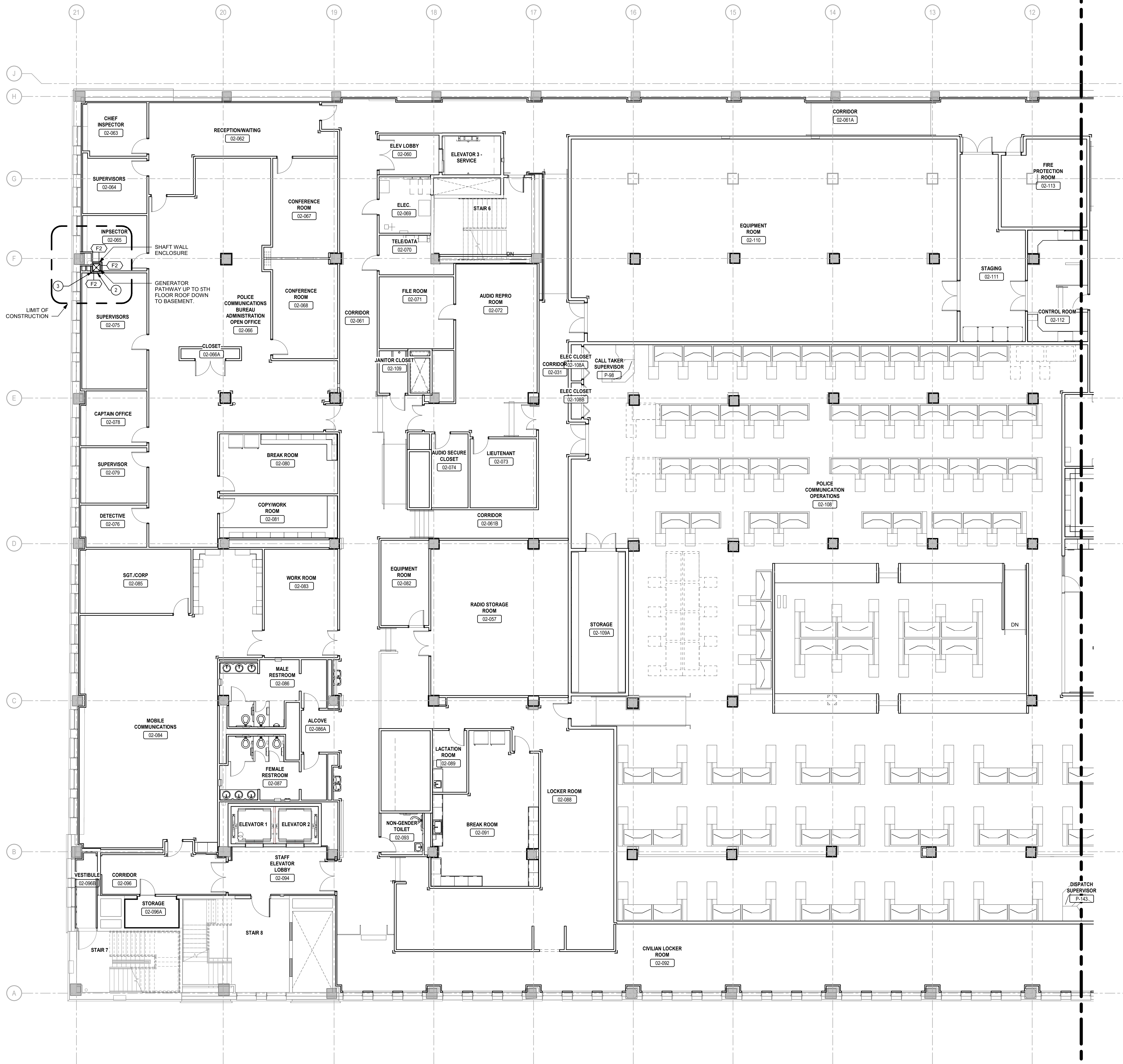


KEY PLAN - AREA OF WORK LOW RISE WEST  
 SCALE: N.T.S.

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1 MEZZANINE FLOOR PLAN  
 SCALE: 1/8" = 1'-0"

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1 2ND FLOOR PLAN  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

1. SEE A-100 FOR BASE BUILDING GENERAL NOTES.

**KEYNOTES - BASE BUILDING B-7**

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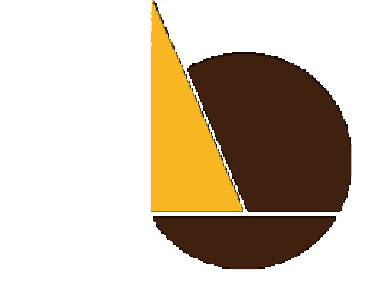


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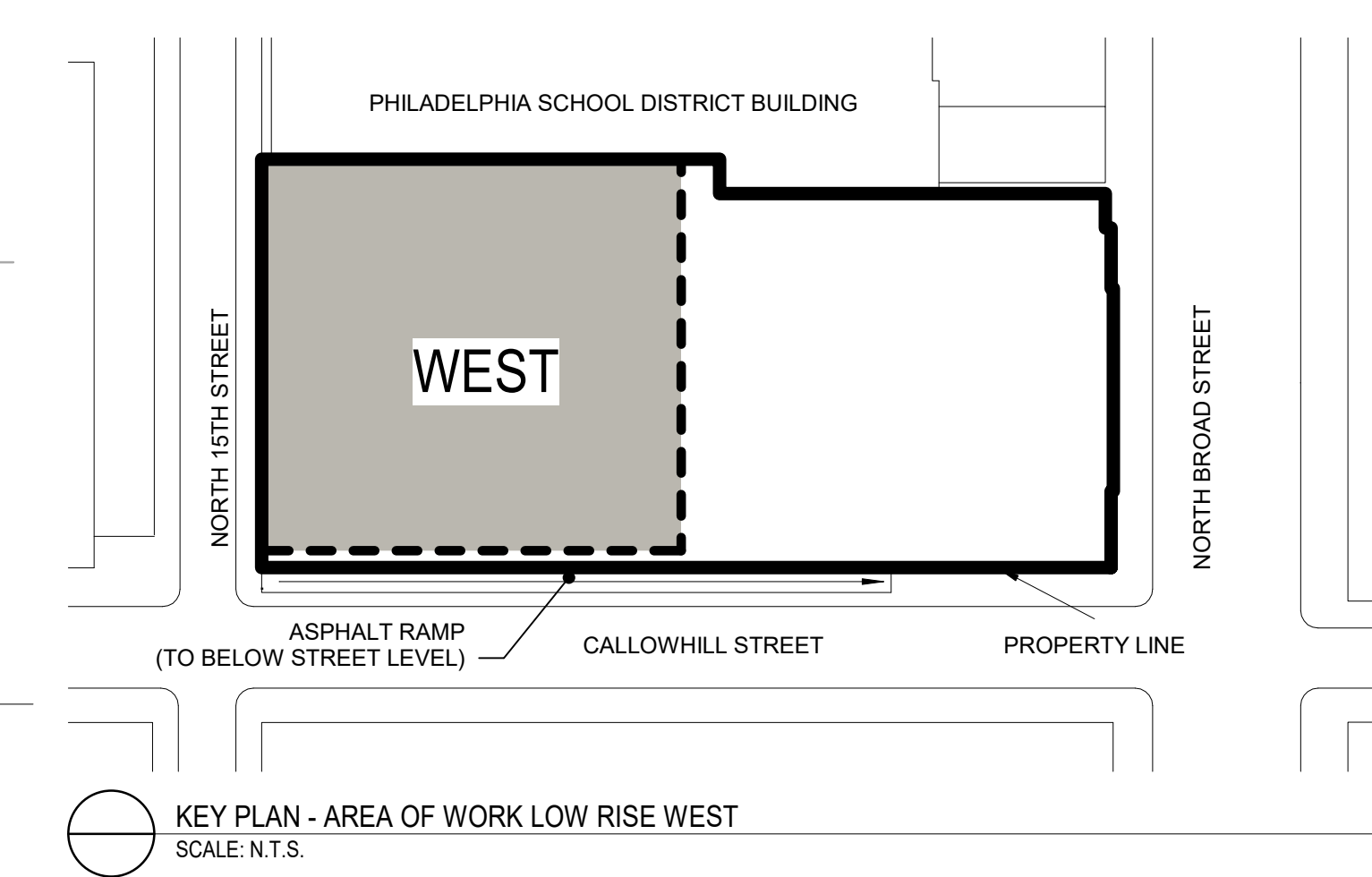
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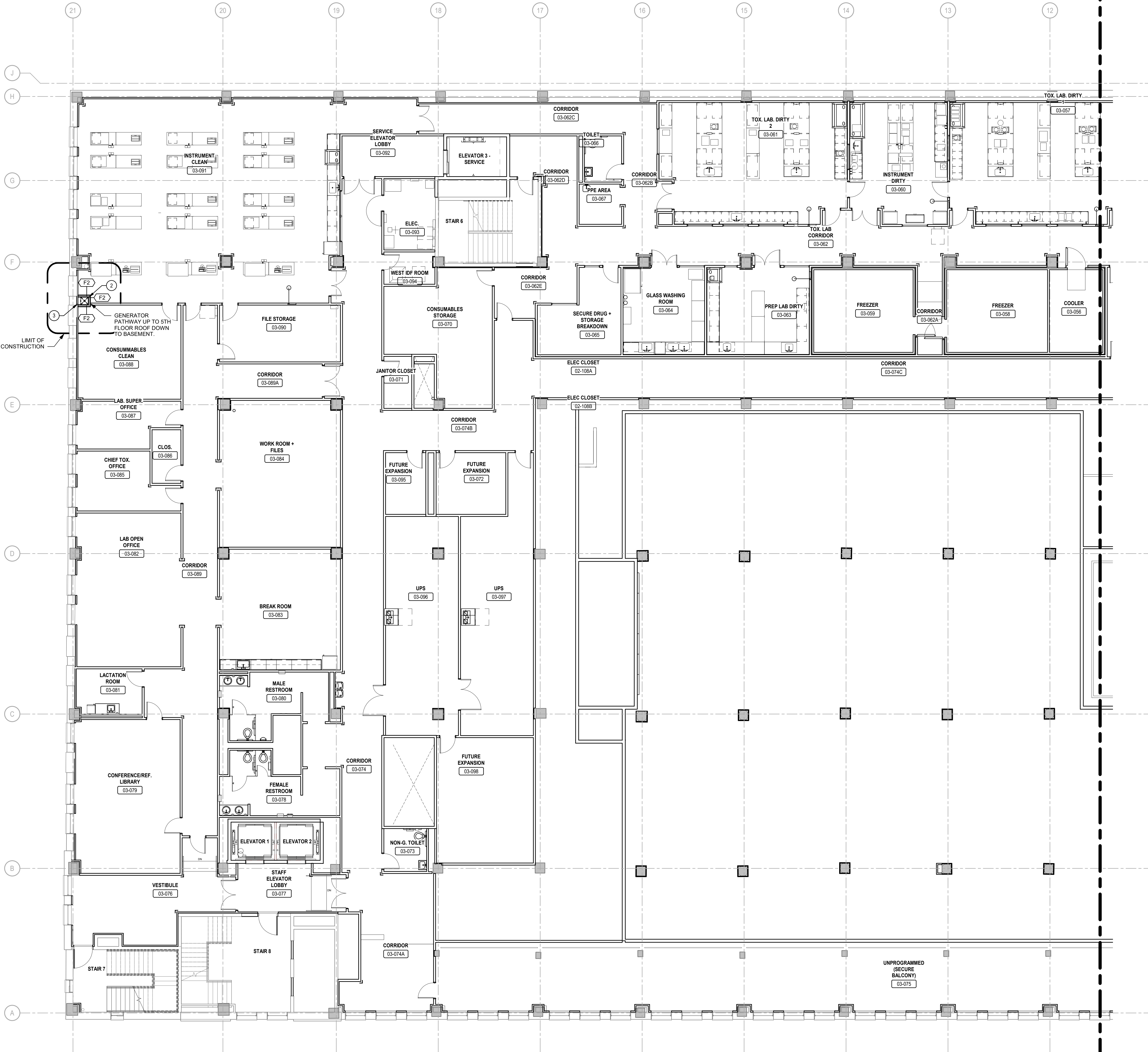
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**A-103**

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KEY PLAN - AREA OF WORK LOW RISE WEST  
SCALE: N.T.S.



**GENERAL NOTES**

1. SEE A-100 FOR BASE BUILDING GENERAL NOTES.

**KEYNOTES - BASE BUILDING B-7**

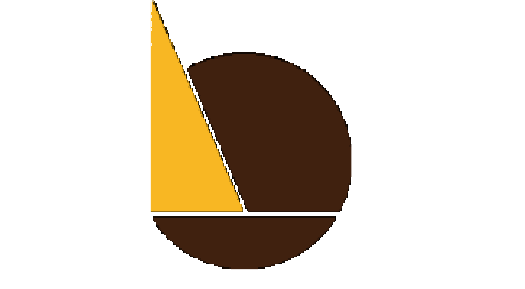
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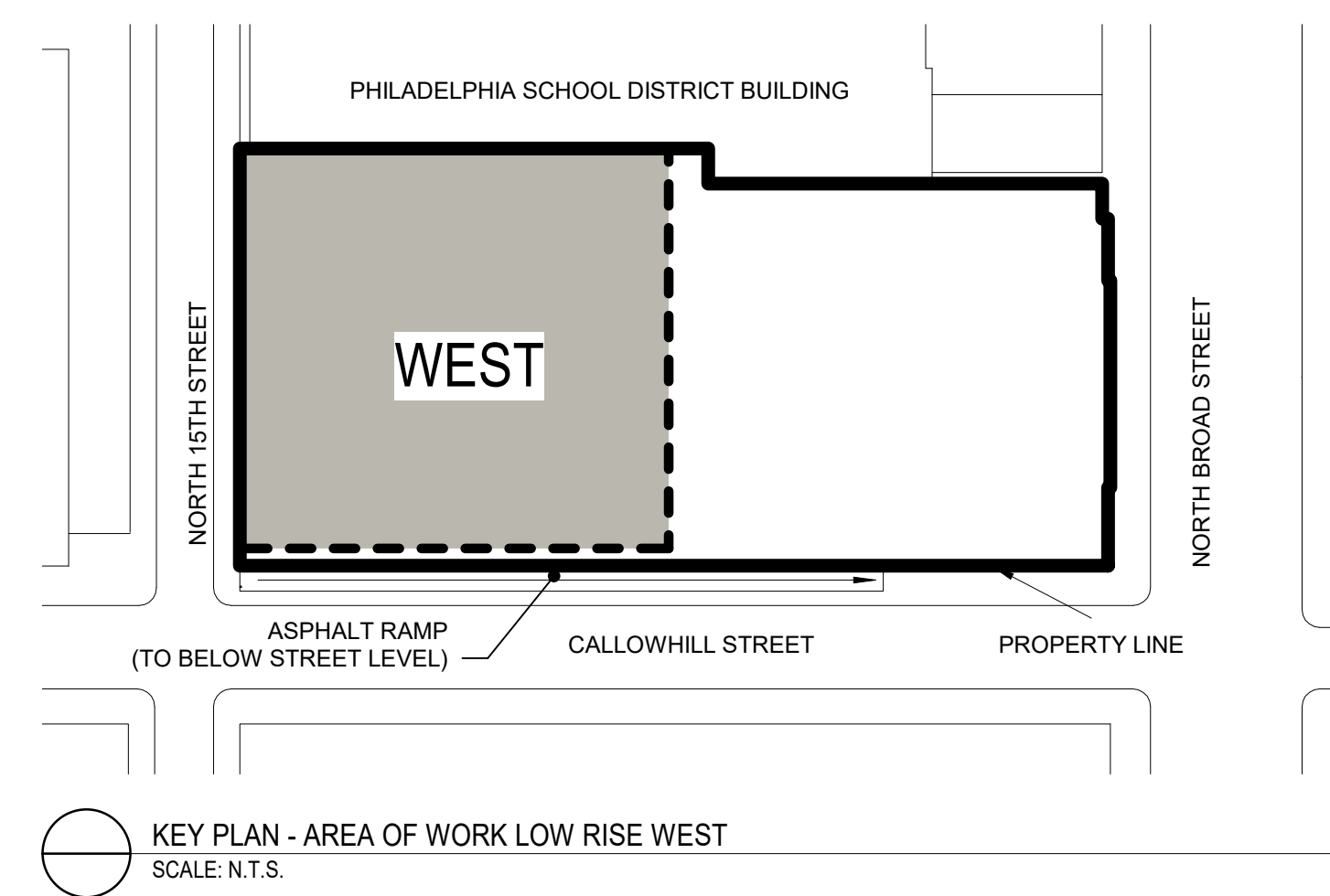
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DRAWING TITLE:  
**3RD FLOOR PLAN - WEST**

SHEET NO.:  
**A-104**

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1 3RD FLOOR PLAN  
 SCALE: 1/8" = 1'-0"

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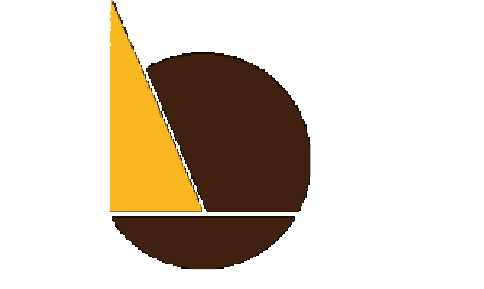




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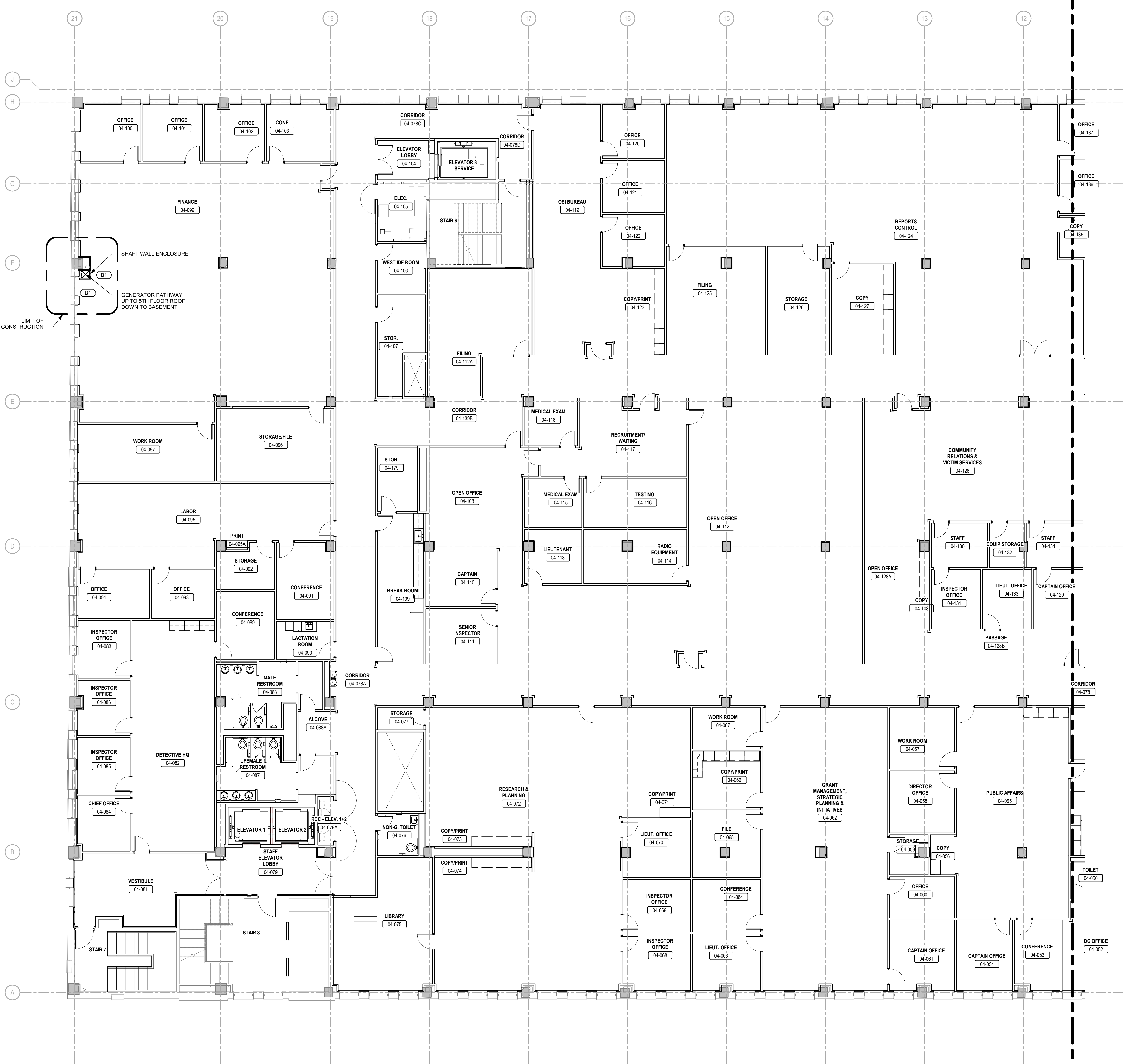
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**GENERAL NOTES**

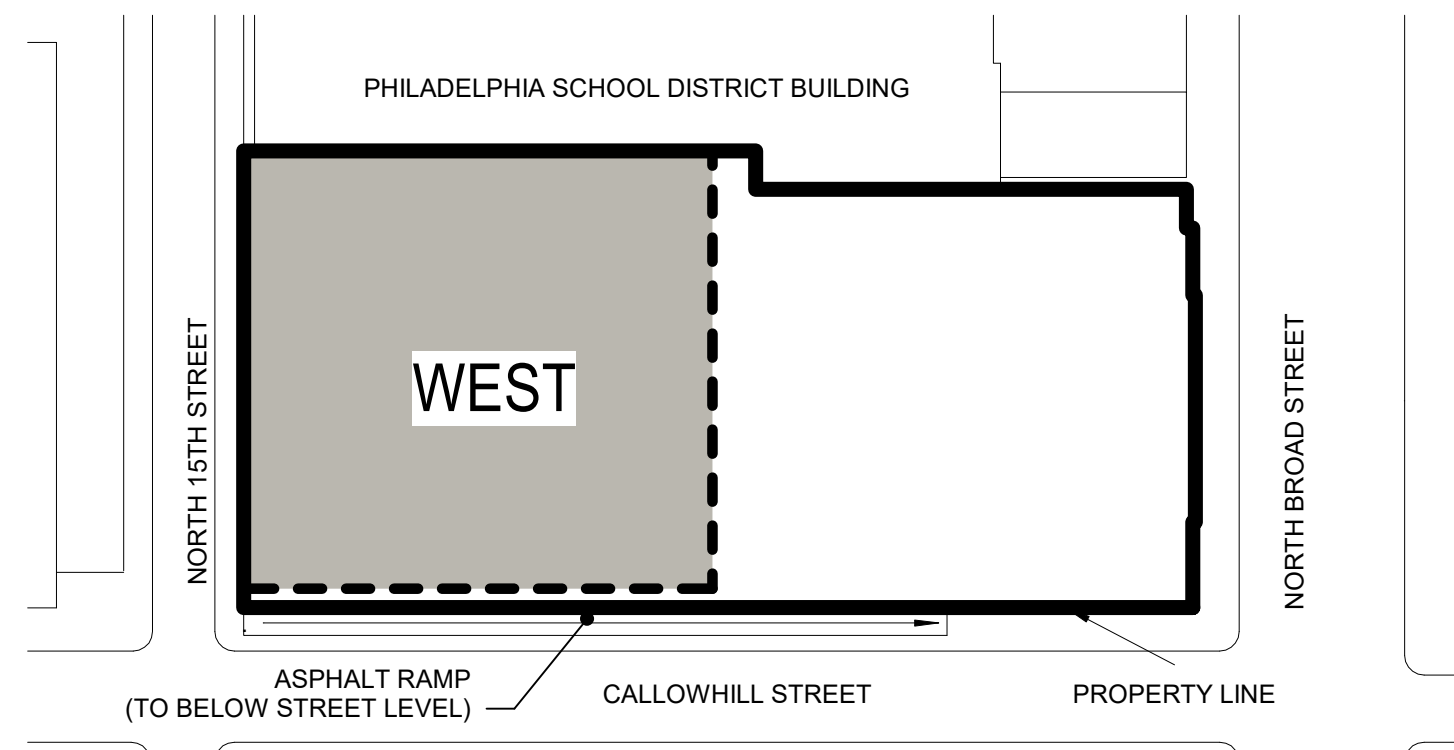
1. SEE A-100 FOR BASE BUILDING GENERAL NOTES.

**KEYNOTES - BASE BUILDING B-7**

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1 4TH FLOOR PLAN  
 SCALE: 1/8" = 1'-0"



KEY PLAN - AREA OF WORK LOW RISE WEST  
 SCALE: N.T.S.

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 DATE: 09/18/2020  
 DRAWN BY: SM  
 CHECKED BY: PT

DRAWING TITLE:  
**4TH FLOOR PLAN - WEST**

SHEET NO.:

**A-105**

PRINTED ON: 9/22/2020 12:49:58 PM

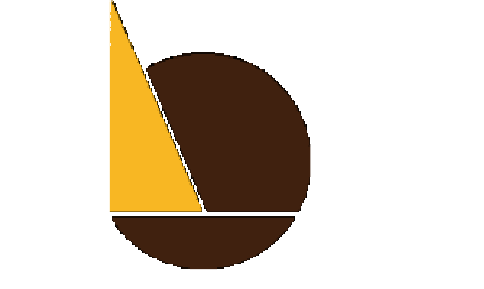
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PROJECT TITLE:  
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 PHILADELPHIA PUBLIC SERVICES BUILDING  
 400 NORTH BROAD STREET, PHILADELPHIA, PA 19130  
 FLOORS 8, 9 AND 10**

- PROGRESS SET
- CLIENT REVIEW
- BID SET
- CODE REVIEW SET
- ISSUED FOR CONSTRUCTION

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**09/18/2020**  
 (NOT FOR CONSTRUCTION)

ISSUES/REVISIONS:  
 1 9/18/2020 ISSUED FOR BIDS

PROJECT NUMBER: 304103-120  
 SCALE: As indicated  
 DATE: 09/18/2020  
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 CHECKED BY: PT

DRAWING TITLE:  
**5TH FLOOR PLAN - WEST**

SHEET NO.:  
**A-106.1**

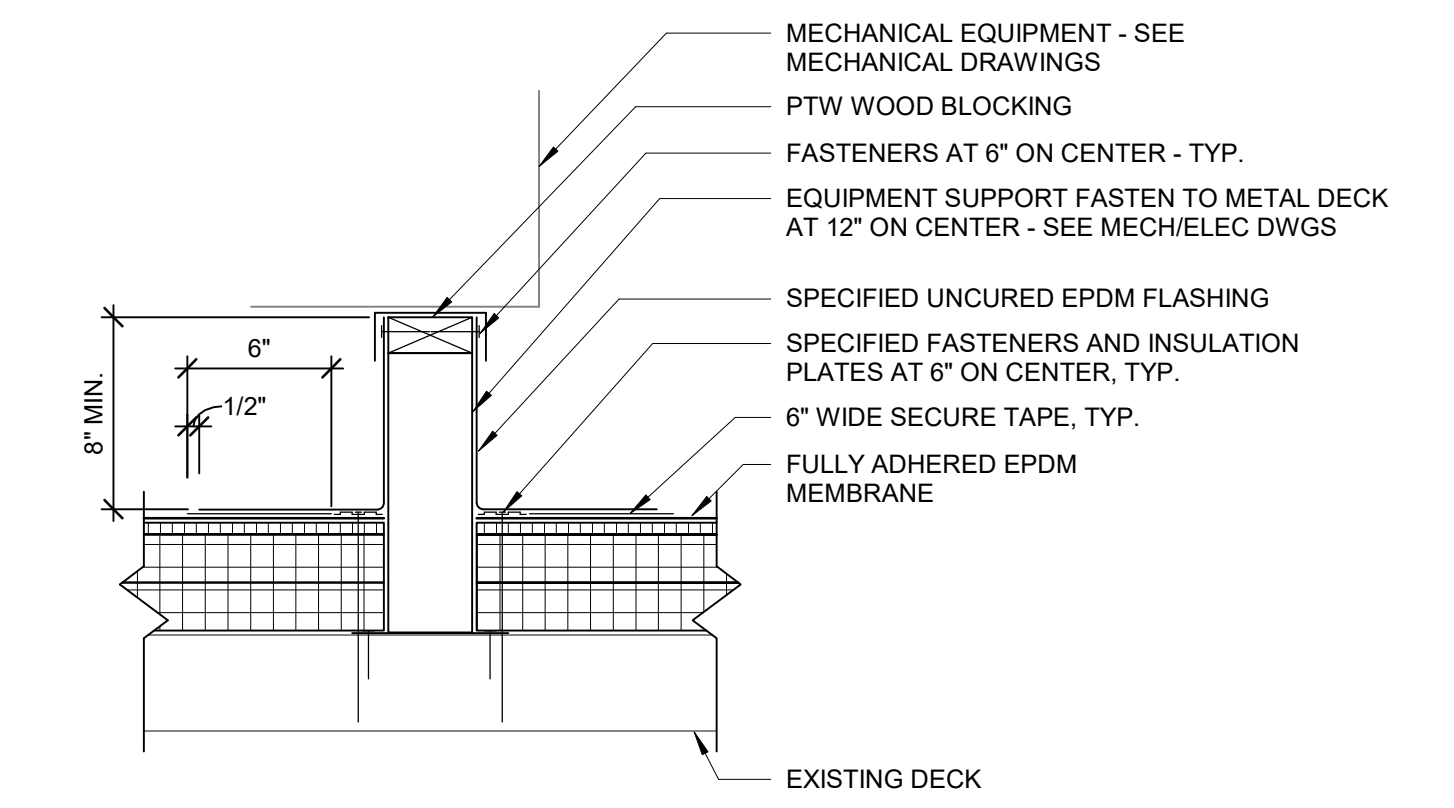
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**GENERAL NOTES**

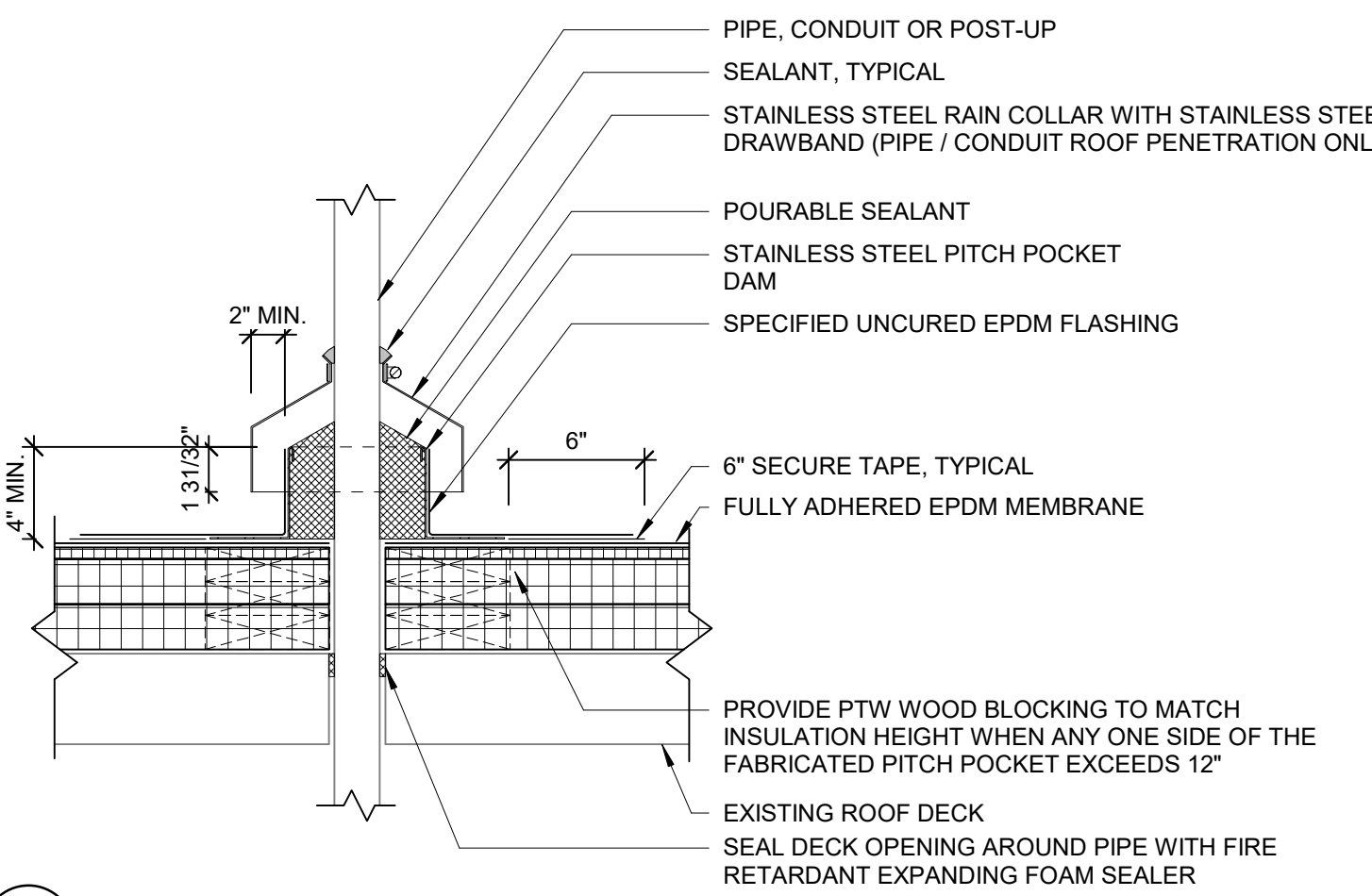
1. SEE A-100 FOR BASE BUILDING GENERAL NOTES.

**KEYNOTES - BASE BUILDING B-7**

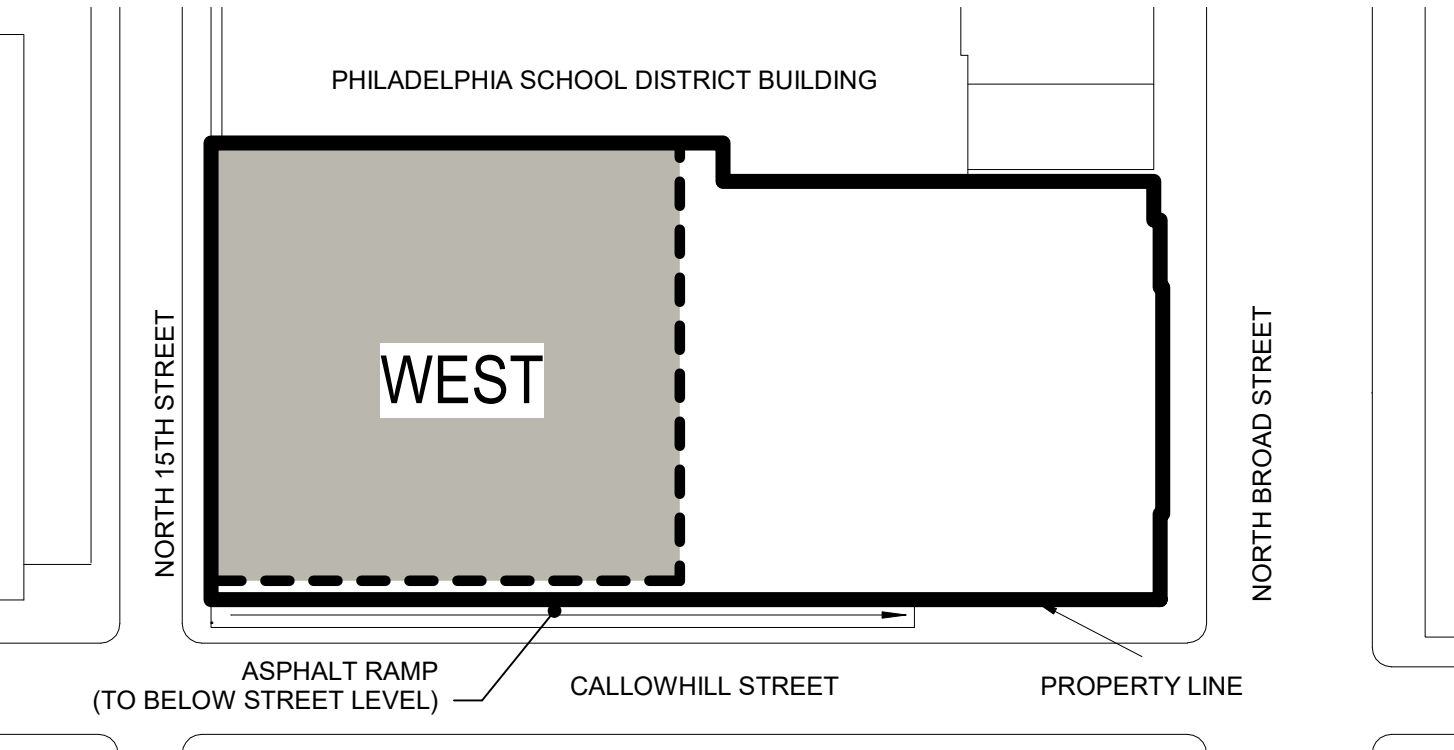
- 1 PAINT INSTALLED CONDUIT TO MATCH EXISTING FINISHES
- 2 20"x18" CLEAR OPENING TIGHT TO EXISTING BEAM & SHAFT ENCLOSURE - SEE S-100
- 3 REMOVE EXISTING PARTITION AS REQUIRED FOR NEW FIRE RATED SHAFT WALL. INSTALL FLUSH AND SMOOTH WITH EXISTING. MATCH EXISTING FINISHES AND MATERIALS, INCLUDING CEILING.



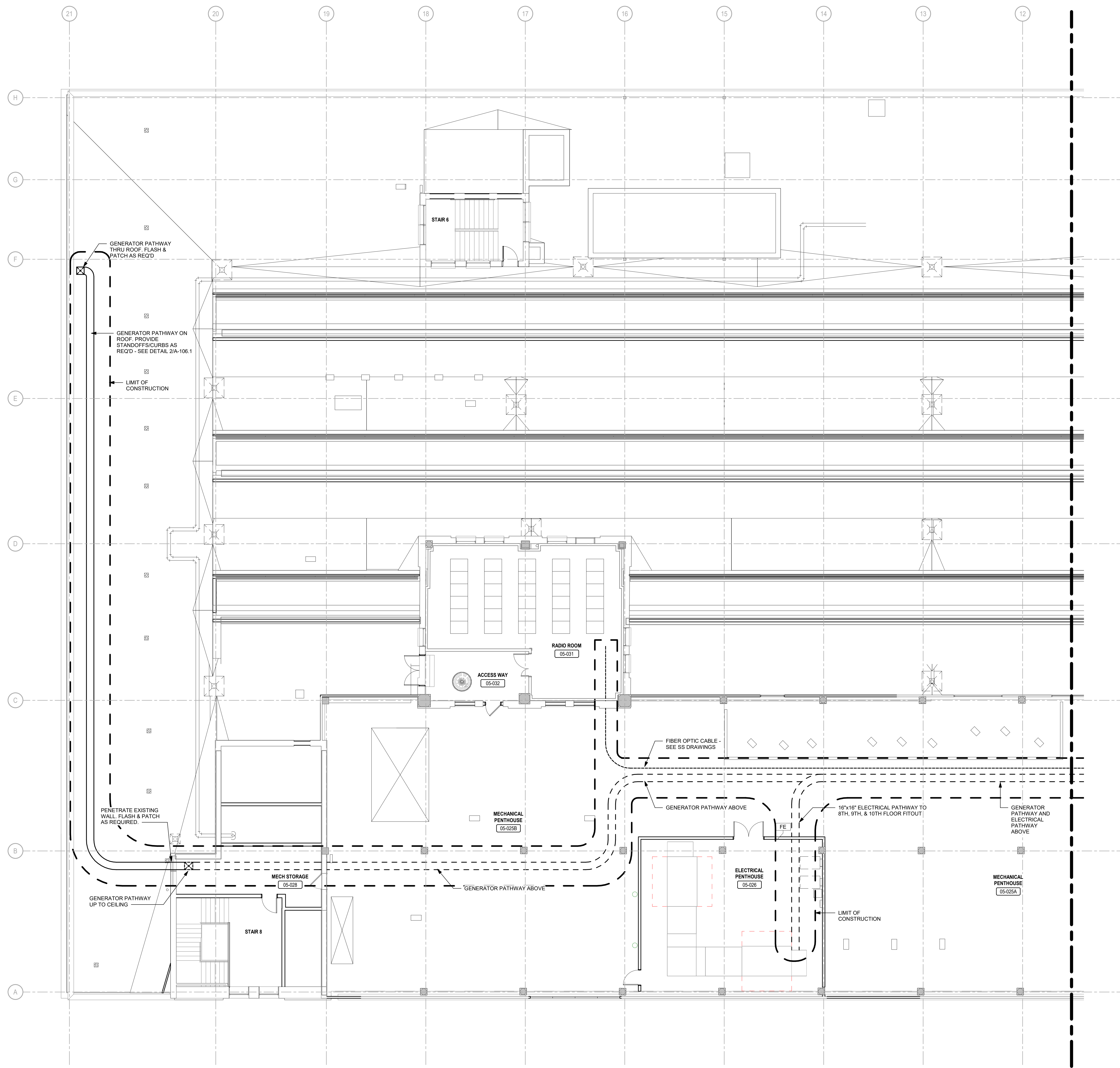
2 TYPICAL EQUIPMENT CURB FLASHING  
 SCALE: 1 1/2" = 1'-0"



3 TYPICAL PITCH POCKET  
 SCALE: 1 1/2" = 1'-0"

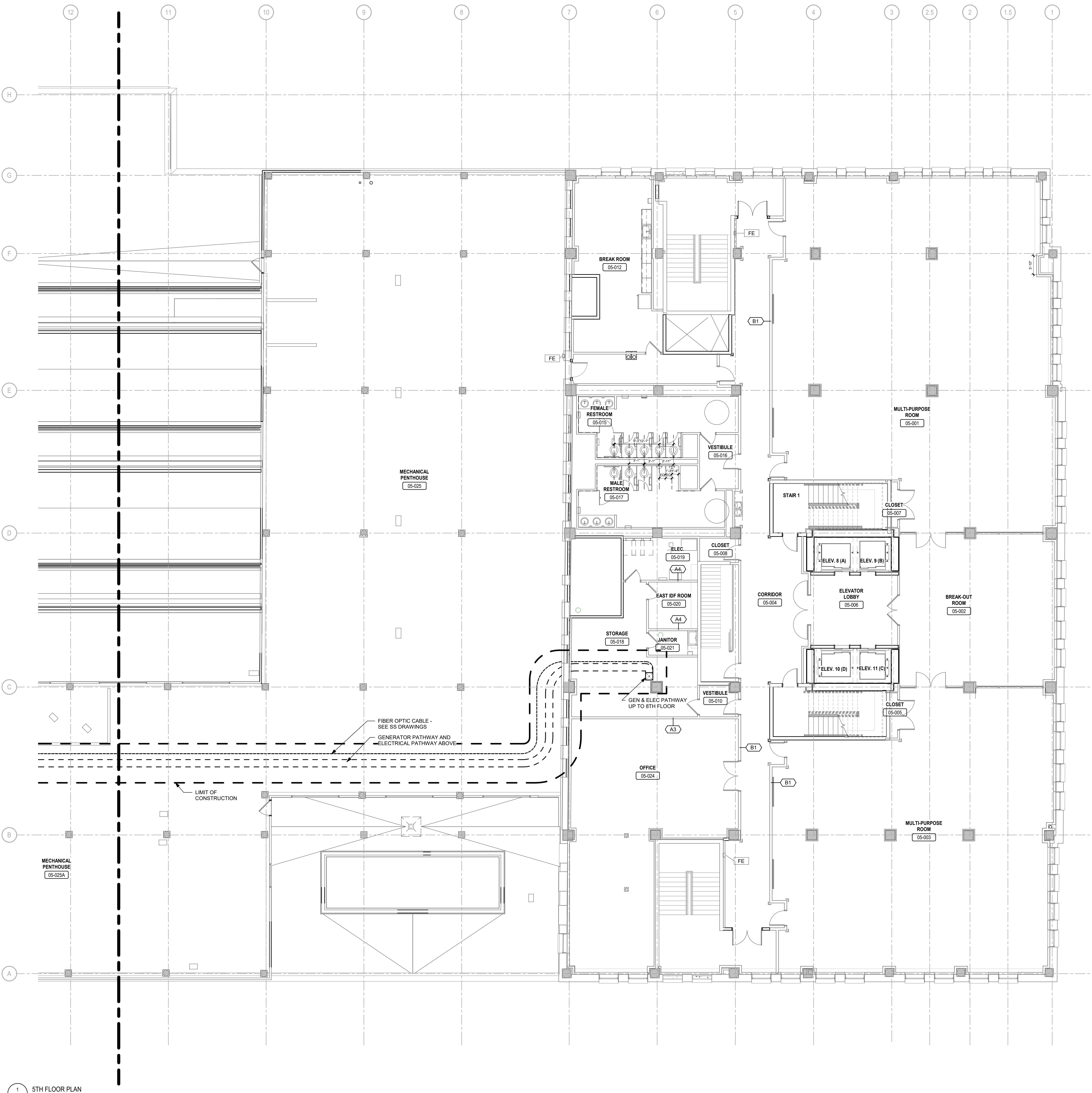


KEY PLAN - AREA OF WORK LOW RISE WEST  
 SCALE: N.T.S.



1 5TH FLOOR PLAN  
 SCALE: 1/8" = 1'-0"

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**GENERAL NOTES**

1. SEE A-100 FOR BASE BUILDING GENERAL NOTES.

**KEYNOTES - BASE BUILDING B-7**

① PAINT INSTALLED CONDUIT TO MATCH EXISTING FINISHES

② 20"x18" CLEAR OPENING TIGHT TO EXISTING BEAM & SHAFT ENCLOSURE - SEE S-100

③ REMOVE EXISTING PARTITION AS REQUIRED FOR NEW FIRE RATED SHAFT WALL. INSTALL FLUSH AND SMOOTH WITH EXISTING. MATCH EXISTING FINISHES AND MATERIALS, INCLUDING CEILING.



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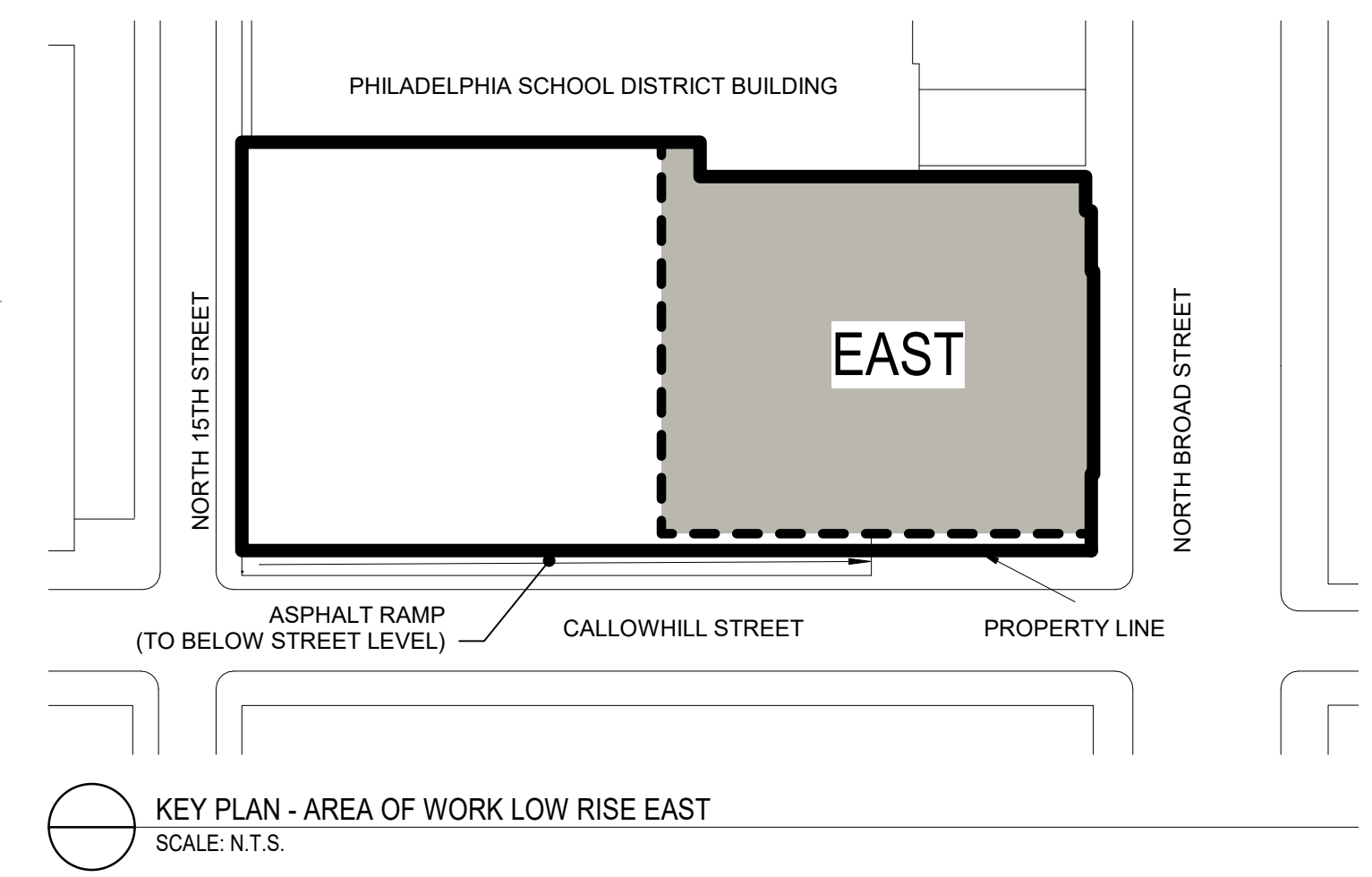
PROJECT NUMBER: 304103-120  
 SCALE: As indicated  
 DATE: 09/18/2020  
 DRAWN BY: SM  
 CHECKED BY: PT

DRAWING TITLE:  
**5TH FLOOR PLAN - EAST**

SHEET NO.:

**A-106.2**

PRINTED ON: 9/22/2020 3:01:32 PM



1 5TH FLOOR PLAN  
 A-106.2 SCALE: 1/8" = 1'-0"

KEY PLAN - AREA OF WORK LOW RISE EAST  
 SCALE: N.T.S.

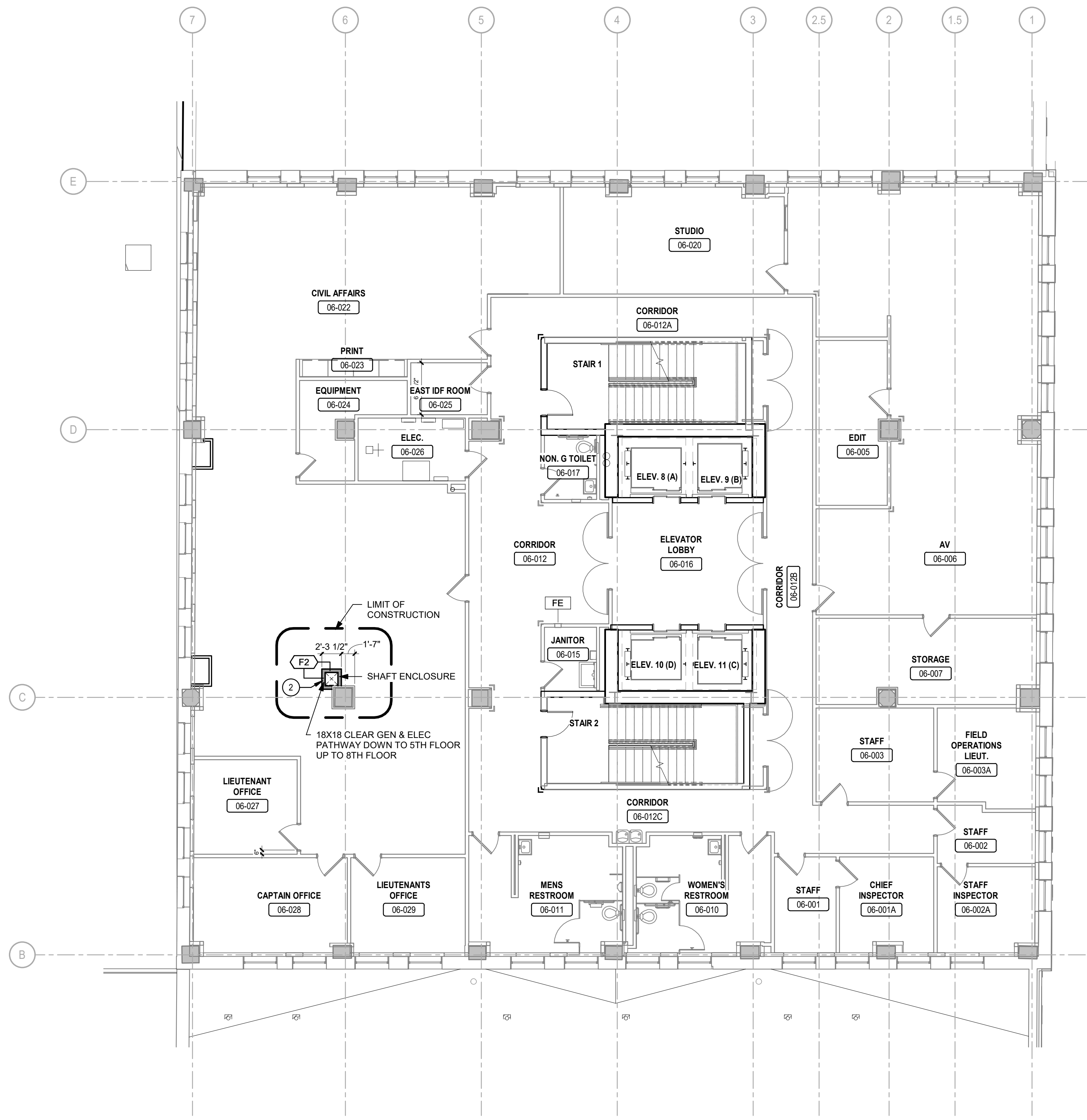
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**GENERAL NOTES**

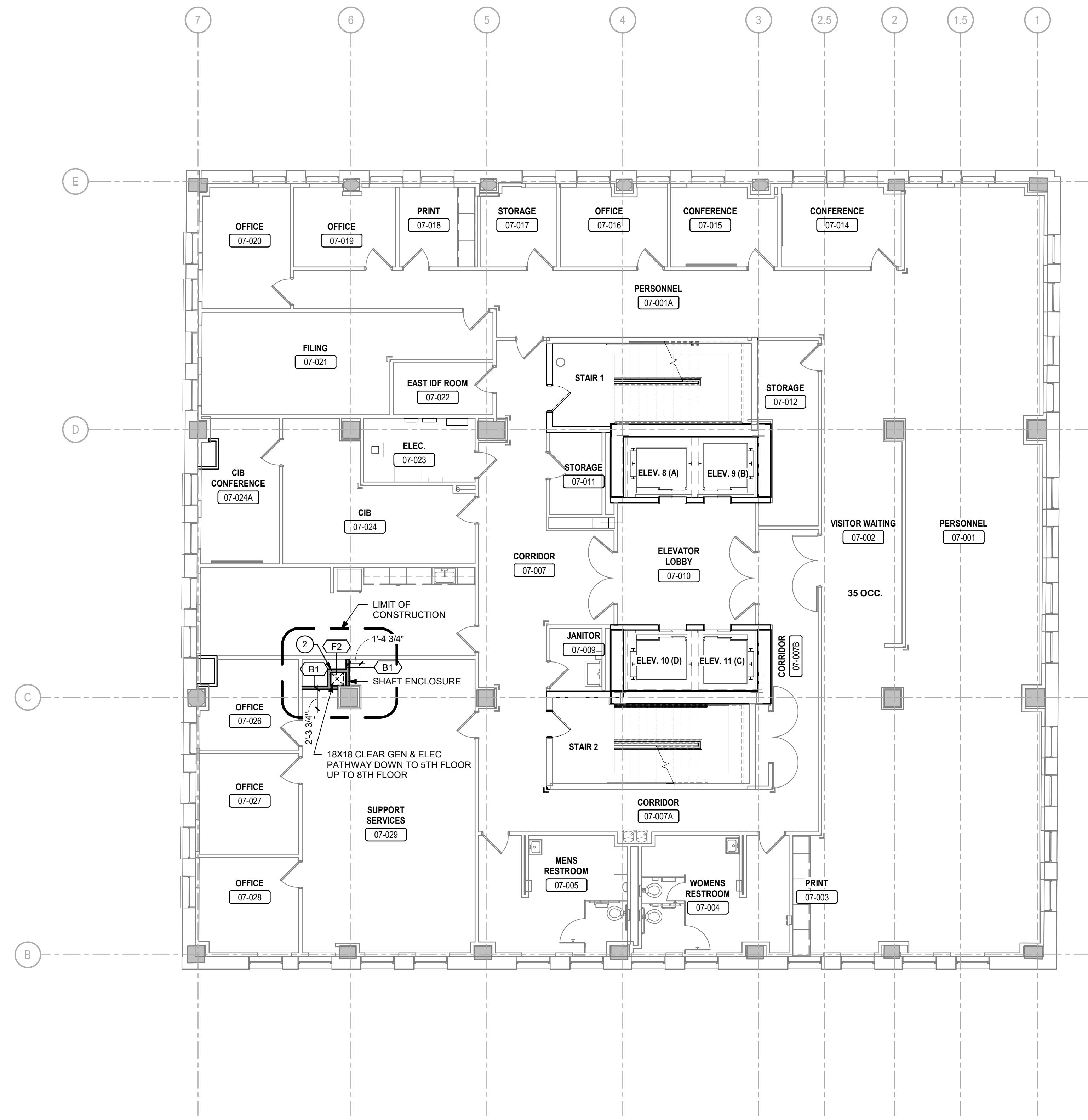
1. SEE A-100 FOR BASE BUILDING GENERAL NOTES.

**KEYNOTES - BASE BUILDING B-7**

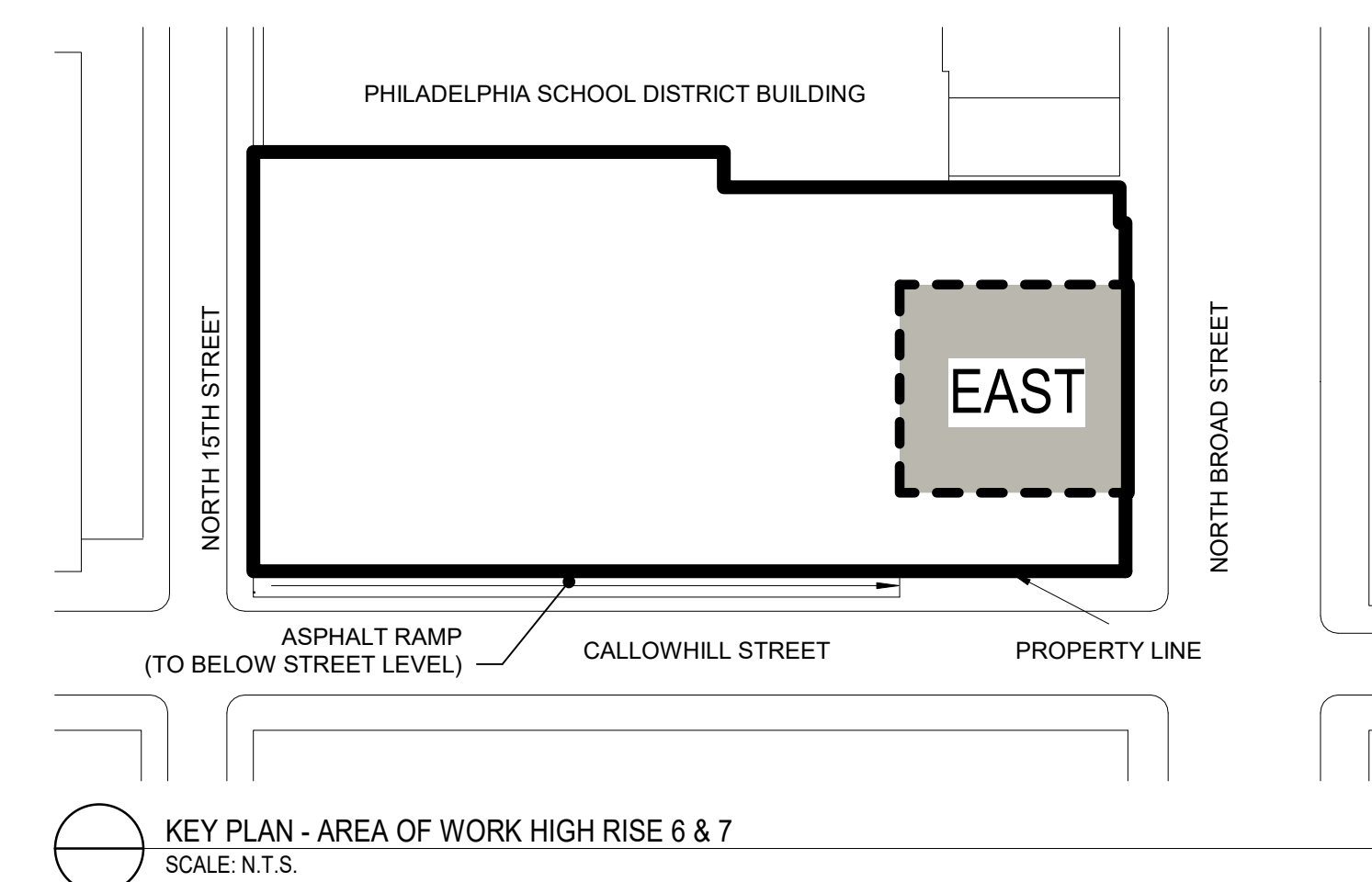
- 1 PAINT INSTALLED CONDUIT TO MATCH EXISTING FINISHES
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1 6TH FLOOR PLAN  
SCALE: 1/8" = 1'-0"



2 7TH FLOOR PLAN  
SCALE: 1/8" = 1'-0"



KEY PLAN - AREA OF WORK HIGH RISE 6 & 7  
SCALE: N.T.S.

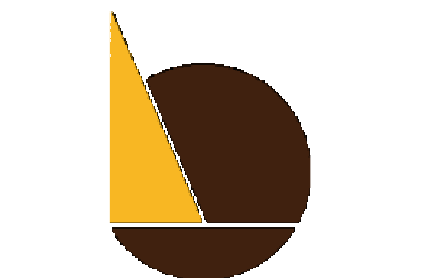


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FLOORS 8, 9 AND 10**

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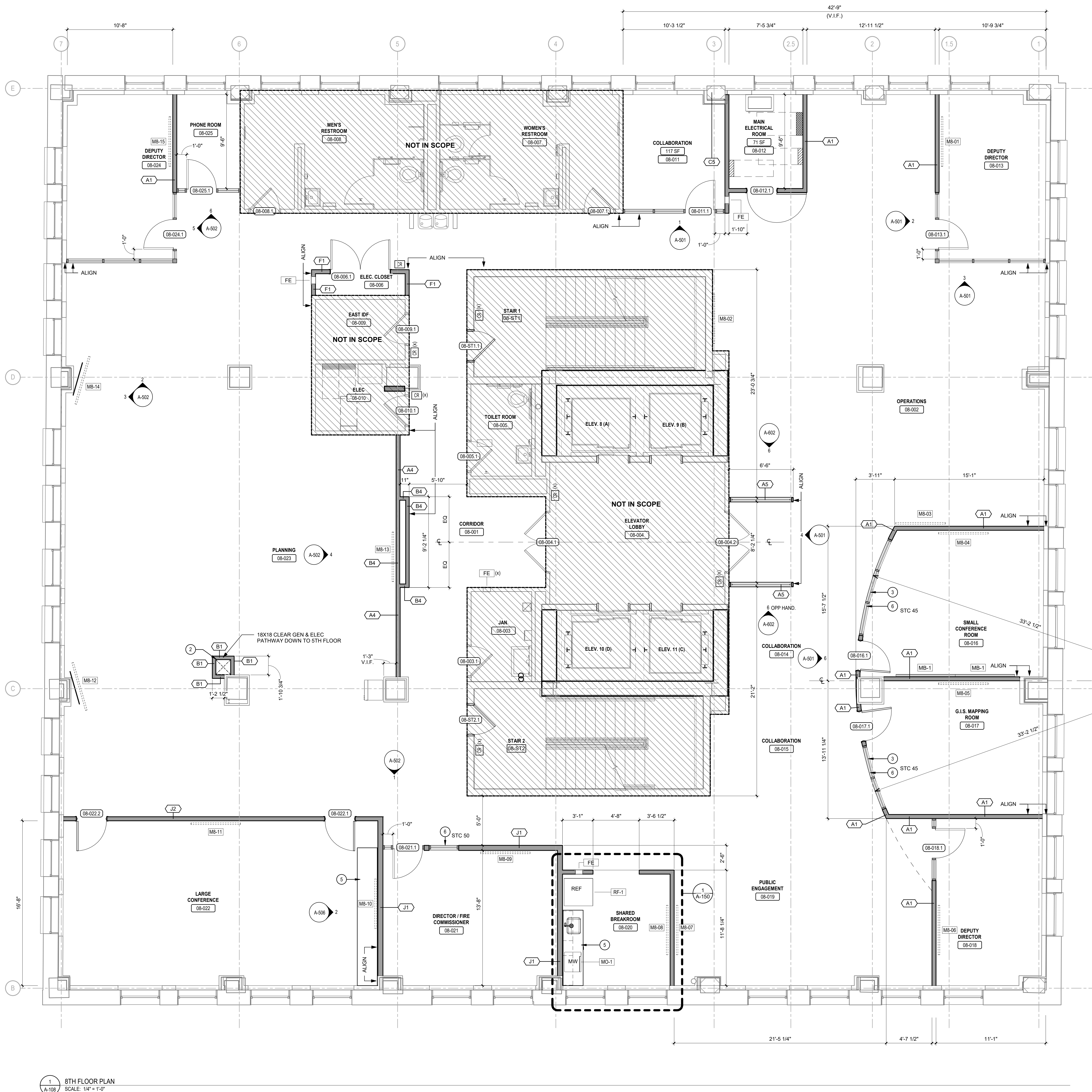
DRAWING TITLE:  
**6TH & 7TH FLOOR PLAN**

SHEET NO.:

**A-107**

PRINTED ON: 9/22/2020 12:50:18 PM

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1 8TH FLOOR PLAN  
SCALE: 1/4" = 1'-0"

**SYMBOLS LEGEND**

NOTE: ALL SYMBOLS NOT NECESSARILY SHOWN ON PLAN.

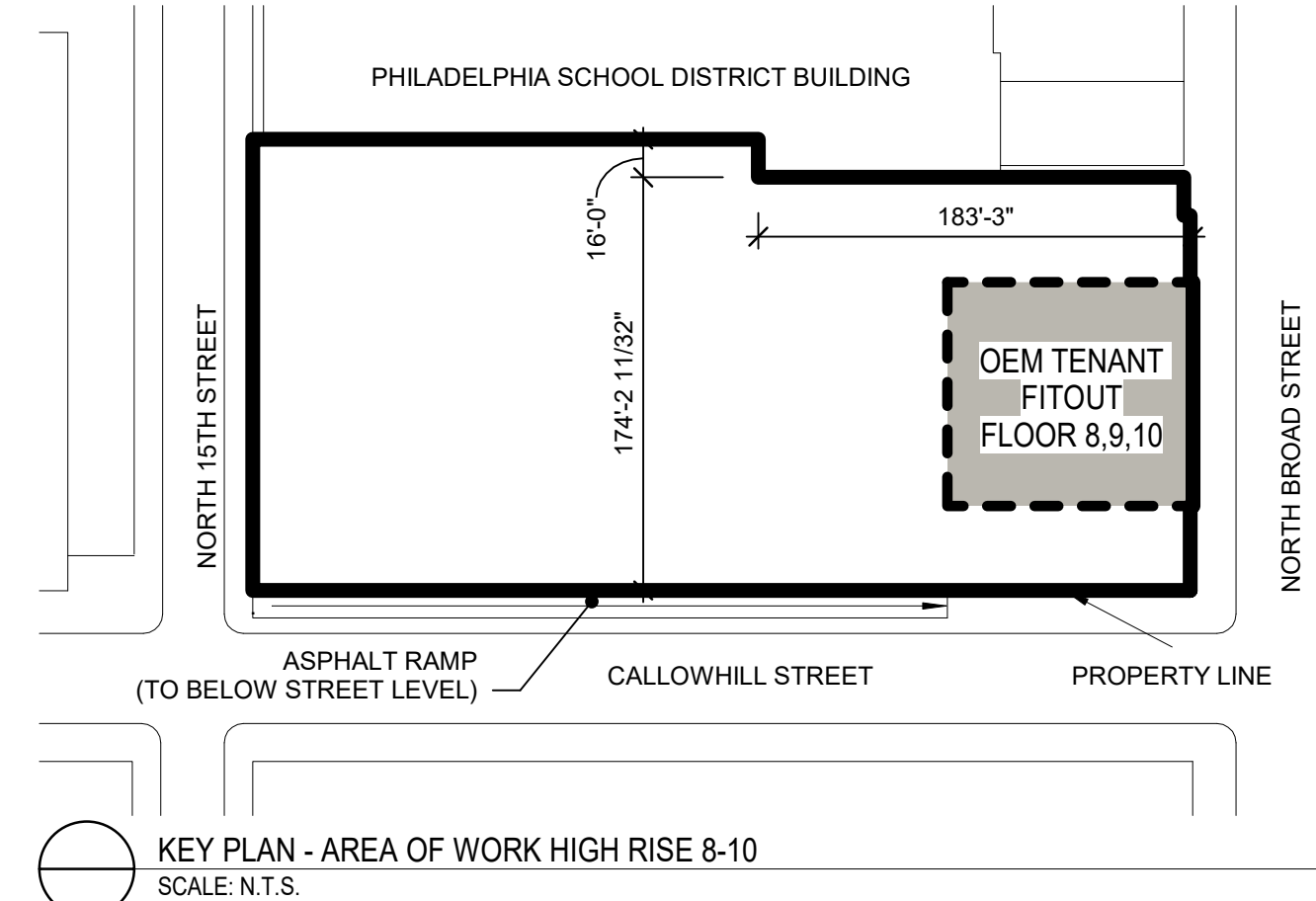
SYMBOL	DESCRIPTION
[FE] (x)	FIRE EXTINGUISHER CABINET, SEMI RECESSED
[CR] (x)	(x) INDICATES EXISTING TO REMAIN
[---]	EXISTING WALL
[---]	NEW WALL
[---]	EXISTING DOOR
[---]	NEW DOOR
[---]	1 HOUR FIRE RATED WALL
[---]	CMU WALL
[1001]	DOOR IDENTIFICATION
[E]	KEY NOTE
[---]	EQUIPMENT IDENTIFICATION/FIXTURE TAG
[---]	ROOM IDENTIFICATION
[---]	PARTITION IDENTIFICATION. SEE A-701 FOR PARTITION TYPES.
[ELEV. 0'-0"]	ELEVATION MARKERS INDICATE LEVEL ABOVE FLOOR SLAB.
[---]	BASE BUILDING CONSTRUCTION (N.I.C.)
[---]	ADA CLEARANCES. W/ DIRECTION OF APPROACH ARROW PER APPLICABLE ACCESSIBILITY CODES
[---]	WALL MOUNTED MONITOR ABOVE. PROVIDE FILL DATA CONFERRING CAPABILITIES AT ALL LOCATION. U.I.O. SEE MONITOR SCHEDULE ON A-700
[---]	24" x 24" LOW-PROFILE RAISED ACCESS PANEL FLOOR. SEE SPECS.

**GENERAL NOTES**

- CLEAN, PATCH, PREPARE AND REPAIR ALL FLOOR & WALLS SUBSTRATES TO A CONTINUOUS LEVEL SURFACE AND TO ACCOMMODATE NEW WORK.
- ALL DIMENSIONS ARE TO THE FACE OF G.W.B. UNLESS NOTED OTHERWISE.
- PATCH WALLS WHERE EXISTING ELECTRICAL OR MECHANICAL DEVICES SHALL BE REMOVED OR REPLACED WITH A DIFFERENT CONFIGURATION.
- PATCH, REPAIR AND REFINISH EXISTING G.W.B SURFACES WHERE DEMOLITION CAUSED OPEN OR OTHERWISE DAMAGED CONDITIONS. WHERE DAMAGED DURING CONSTRUCTION OR WHERE EXISTING LOCATIONS ARE DAMAGED.
- WHERE NEW PARTITIONS ARE IN LINE WITH EXISTING PARTITIONS, NEW PARTITION SHALL MATCH EXISTING PARTITION. BOTH SIDES OF NEW PARTITION SHALL BE ALIGNED WITH EXISTING UNLESS NOTED OTHERWISE.
- ALL PARTITIONS SHALL BE TYPE "A1" UNLESS NOTED OTHERWISE. REFER TO PARTITION SCHEDULE ON A-700 FOR TYPES.
- ALL EXISTING FLOOR SLAB EXPANSION JOINTS SHALL BE MADE SMOOTH BY THE CONTRACTOR IN ORDER TO RECEIVE FLOOR FINISH.
- THE CONTRACT DOCUMENTS DO NOT SHOW ALL WORK IN THE "SCOPE OF WORK" AREA.
- DOOR OPENING NOT LOCATED BY DIMENSION SHALL BE CENTERED IN WALLS AS SHOWN OR LOCATED 4" FROM FINISH WALL TO FINISH JAMB UNLESS OTHERWISE NOTED. REFER TO DOOR SCHEDULE, DETAILS, AND SPECIFICATIONS FOR DOOR, DOOR FRAME, AND DOOR HARDWARE REQUIREMENTS.
- PROVIDE BALLISTIC GLAZING FILM AT ALL EXTERIOR WINDOWS AT FLOORS 8, 9 & 10. PROVIDE GSA RATING "B7" ASTM F1642 "LOW HAZARD" WINDOW FILM. BASIS OF DESIGN: CLEAR 3M 8800 FILM

**KEYNOTES - NEW CONSTRUCTION**

- OFFSET CABLE ROUTE TO 7<sup>TH</sup> FLOOR AT SLAB ABOVE
- FINISH CABLE / CONDUIT AND EXPOSED STRUCTURAL STEEL TO MATCH EXISTING STRUCTURE. PROVIDE 2 HR FIRE RATED FIRE STOP AT SLAB OPENING.
- FACETED STOREFRONT IN CURVED WALL
- PROVIDE 2 HR FIRE RATED FIRESTOP AT ELEC CABLES PENETRATING SLAB
- MILLWORK - SEE ELEVATION
- ACOUSTIC GLAZING SYSTEM - SEE PLAN FOR STC RATING
- RAISED FLOOR SYSTEM. PROVIDE ACCESS TO CABLES AT 4" RAISED FLOOR - SEE ELEC DRAWINGS FOR GROUNDING
- 1:12 SLOPE RAMP BY RAISED FLOOR MANUFACTURER
- FIREARM LOCKERS
- FURR OUT COLUMN - SEE RCP
- REFRIGERANT LINE SETS - SEE MPE + STRUCTURAL DRAWINGS
- ELECTRICAL / SPECIAL SYSTEMS EQUIPMENT - SEE ELEC DRAWINGS



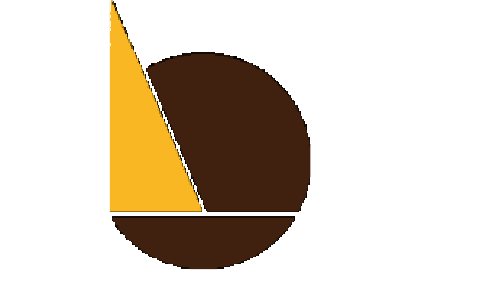
KEY PLAN - AREA OF WORK HIGH RISE 8-10  
SCALE: N.T.S.



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PROJECT NUMBER: 304103-120  
SCALE: As indicated  
DATE: 09/18/2020  
DRAWN BY: SM  
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DRAWING TITLE:  
**8TH FLOOR PLAN**

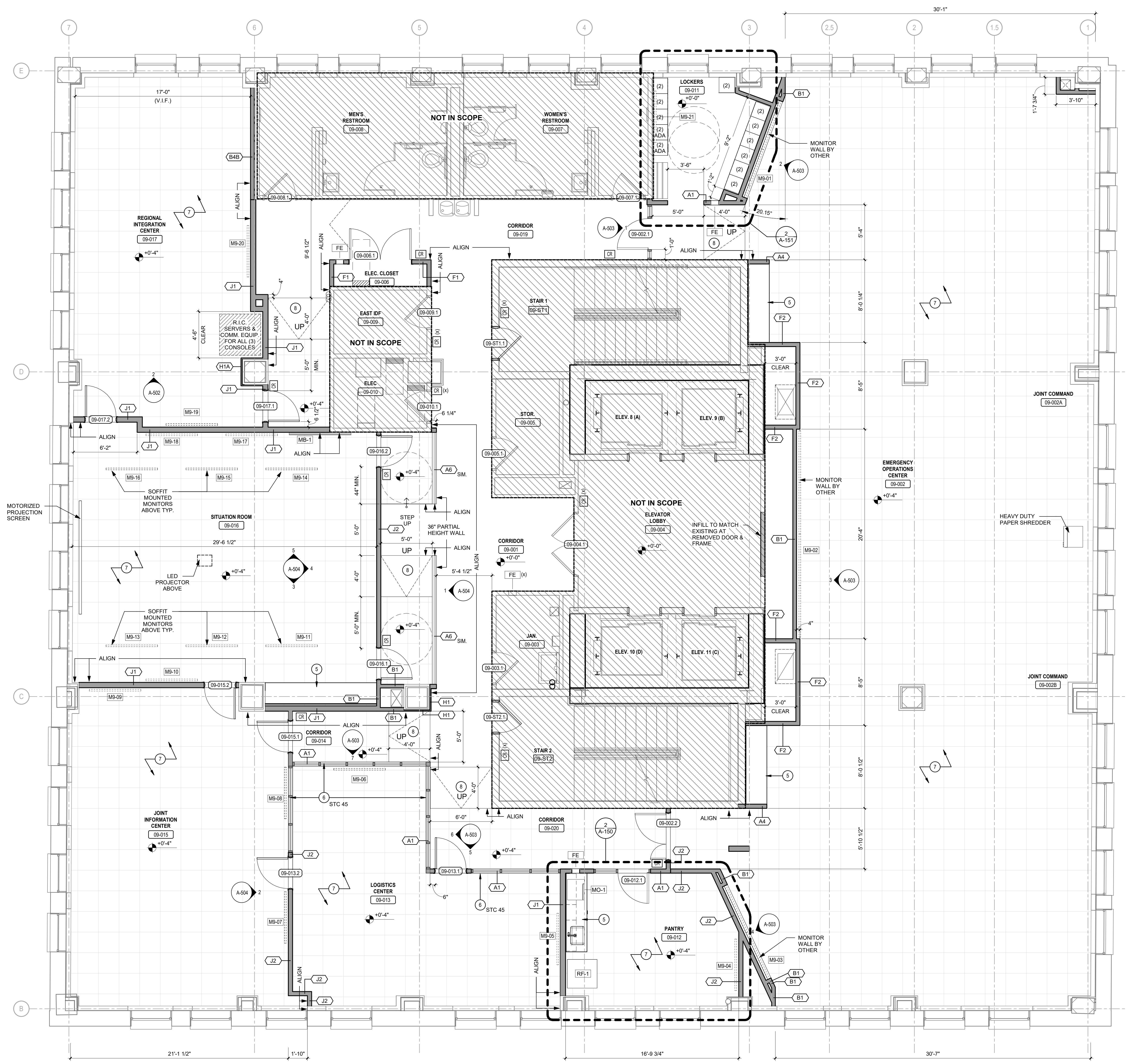
SHEET NO.:  
**A-108**

**GENERAL NOTES**

1. SEE A-108 FOR SYMBOLS LEGEND & GENERAL NOTES.

**KEYNOTES - SEE NEW CONSTRUCTION**

- 1 OFFSET CABLE ROUTE TO 7<sup>TH</sup> FLOOR AT SLAB ABOVE
- 2 FINISH CABLE / CONDUIT AND EXPOSED STRUCTURAL STEEL TO MATCH EXISTING STRUCTURE. PROVIDE 2 HR FIRE RATED FIRE STOP AT SLAB OPENING.
- 3 FACETED STOREFRONT IN CURVED WALL.
- 4 PROVIDE 2 HR FIRE RATED FIRESTOP AT ELEC CABLES PENETRATING SLAB
- 5 MILLWORK - SEE ELEVATION
- 6 ACOUSTIC GLAZING SYSTEM - SEE PLAN FOR STC RATING
- 7 RAISED FLOOR SYSTEM. PROVIDE ACCESS TO CABLES AT 4" RAISED FLOOR - SEE ELEC DRAWINGS FOR GROUNDING
- 8 1:12 SLOPE RAMP BY RAISED FLOOR MANUFACTURER
- 9 FIREARM LOCKERS
- 10 FURR OUT COLUMN - SEE RCP
- 11 REFRIGERANT LINE SETS - SEE MPE + STRUCTURAL DRAWINGS
- 12 ELECTRICAL / SPECIAL SYSTEMS EQUIPMENT - SEE ELEC. DRAWINGS



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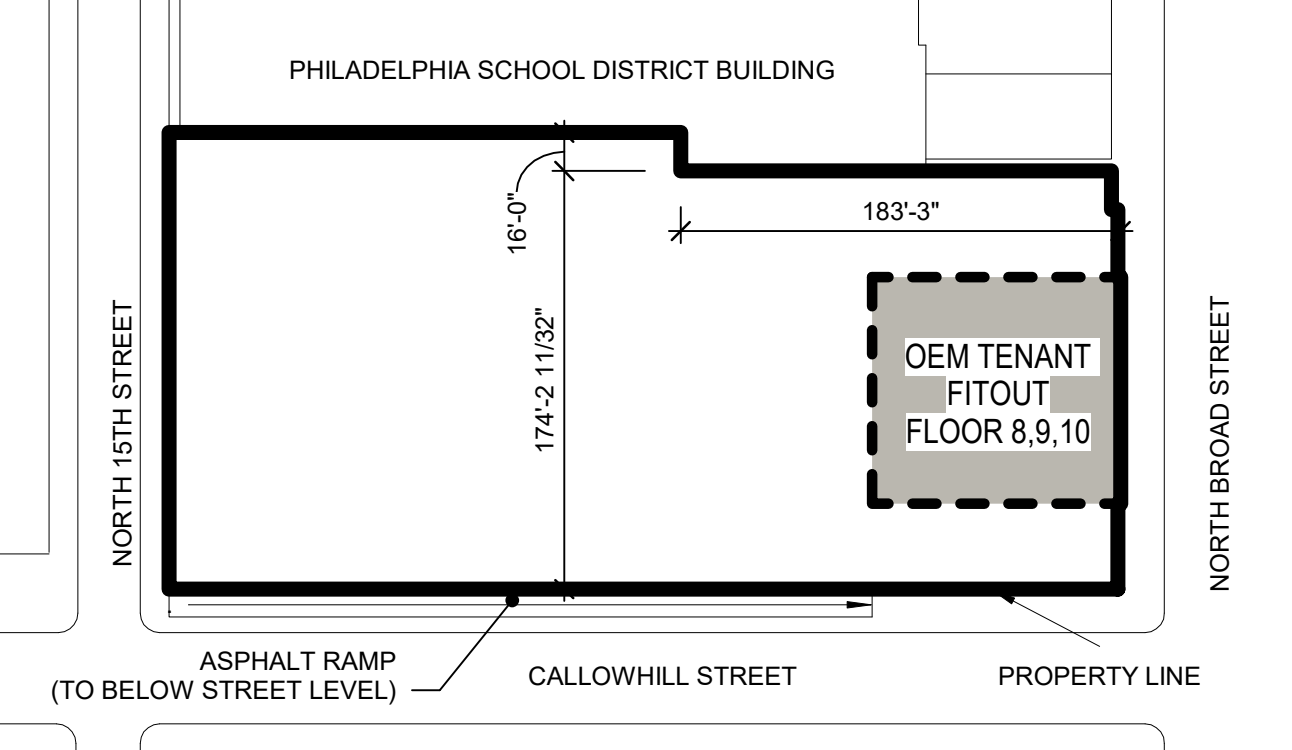
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PROJECT NUMBER: 304103-120  
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DRAWING TITLE:  
**9TH FLOOR PLAN**

SHEET NO.:  
**A-109**



KEY PLAN - AREA OF WORK HIGH RISE 8-10  
 SCALE: N.T.S.

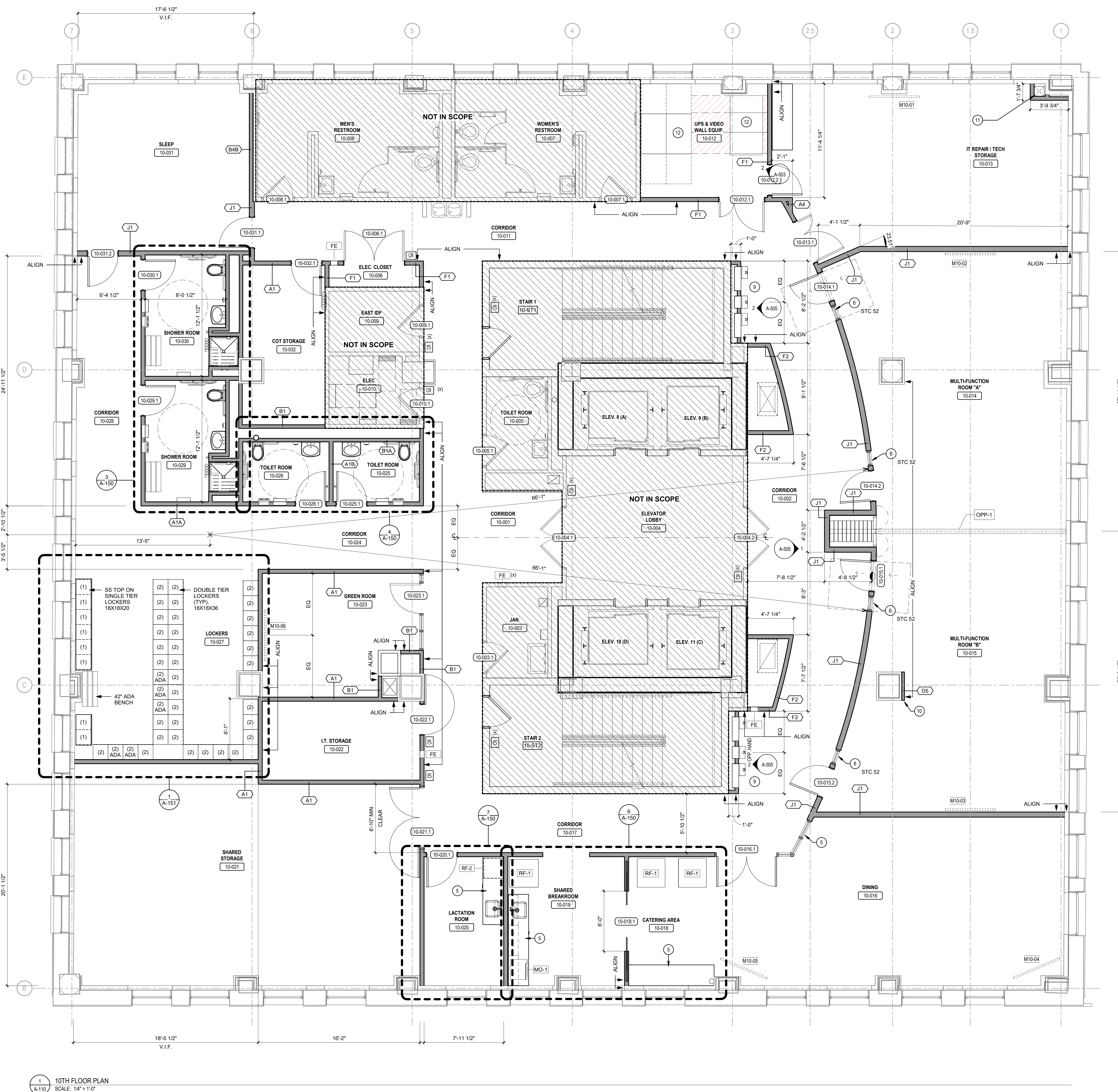
1 9TH FLOOR PLAN  
 SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

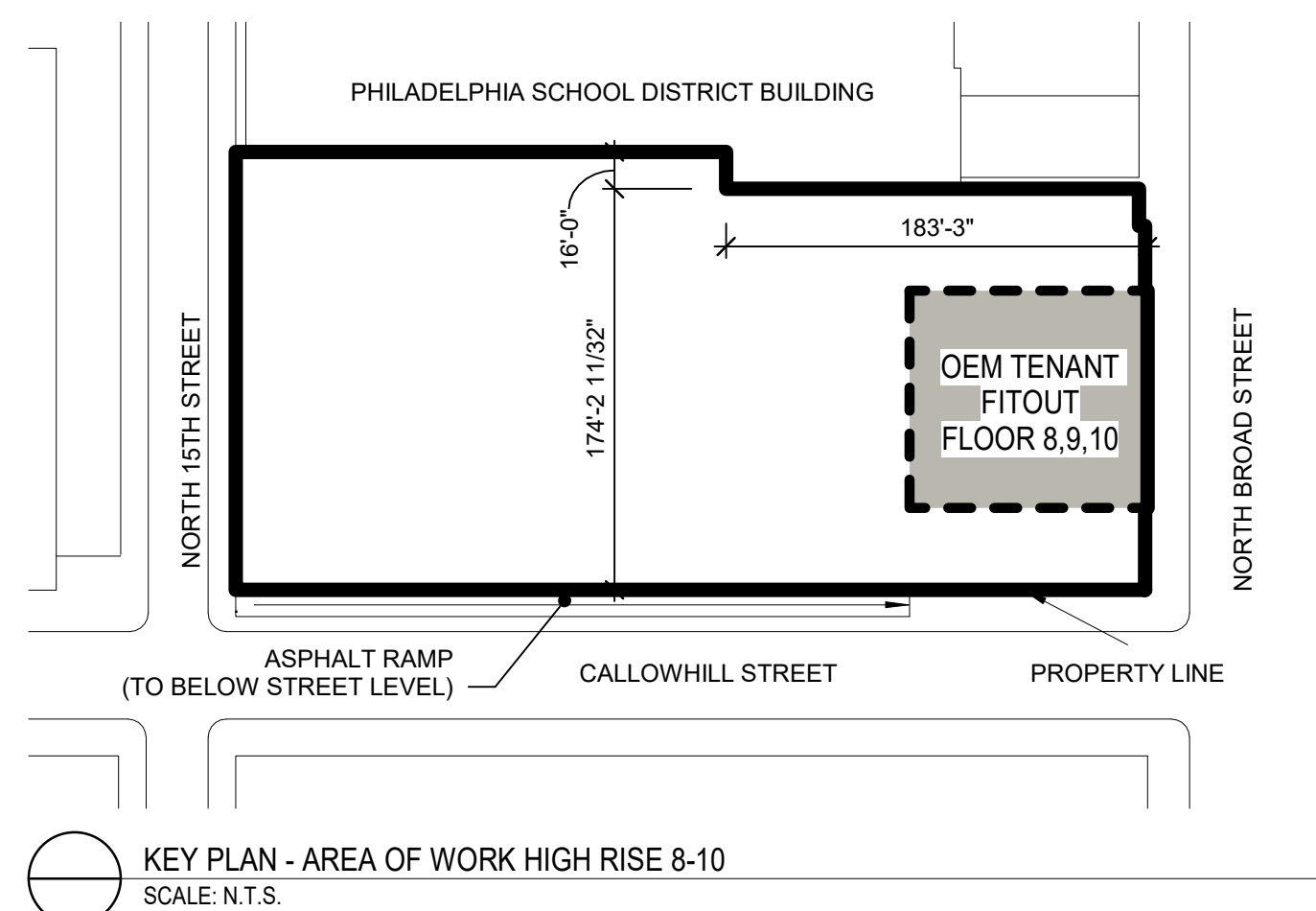
1. SEE A-108 FOR SYMBOLS LEGEND & GENERAL NOTES.

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- 9 FIREARM LOCKERS
- 10 FURR OUT COLUMN - SEE RCP
- 11 REFRIGERANT LINE SETS - SEE MPE + STRUCTURAL DRAWINGS
- 12 ELECTRICAL / SPECIAL SYSTEMS EQUIPMENT - SEE ELEC. DRAWINGS



1 10TH FLOOR PLAN  
SCALE: 1/4" = 1'-0"



KEY PLAN - AREA OF WORK HIGH RISE 8-10  
SCALE: N.T.S.



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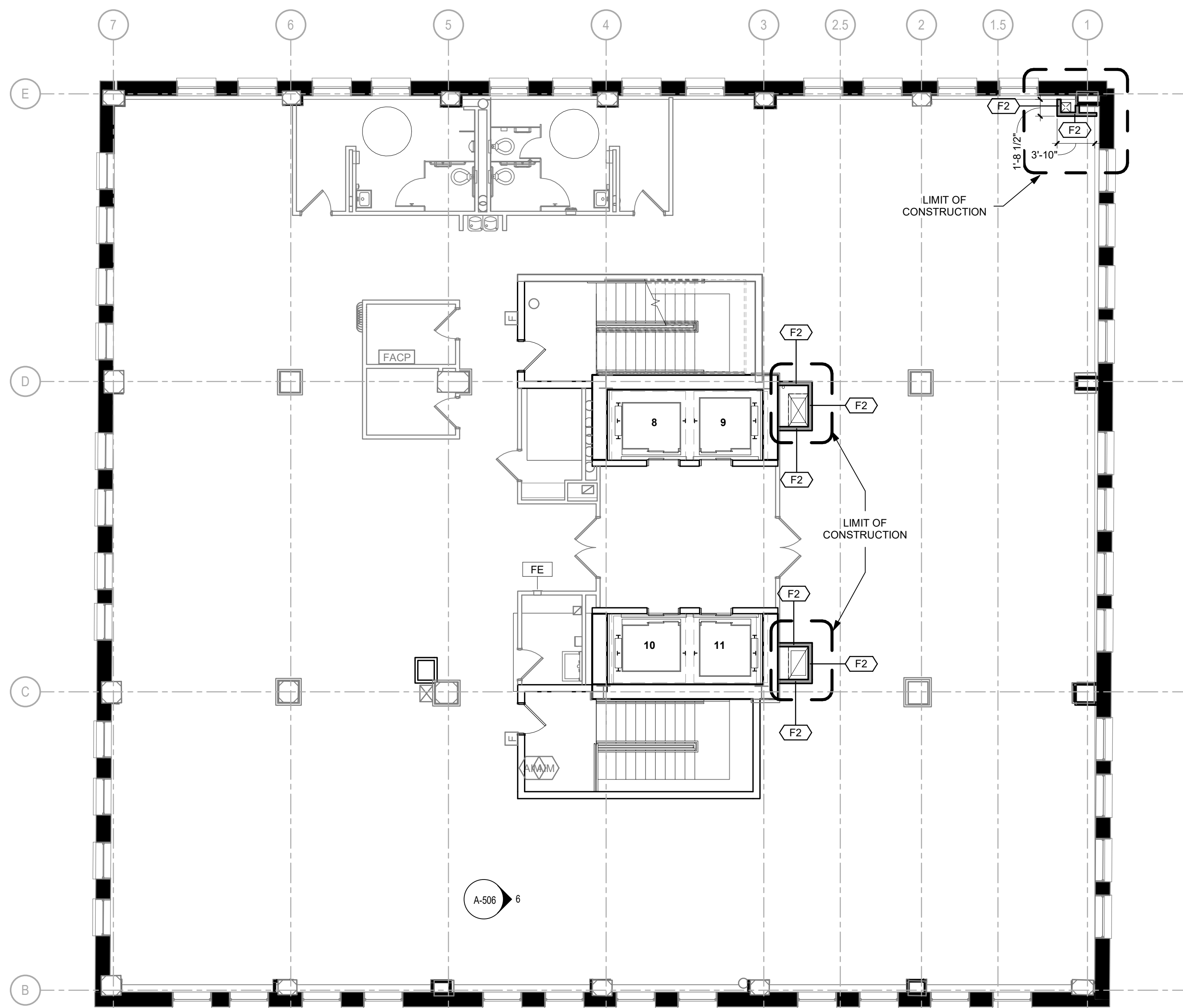
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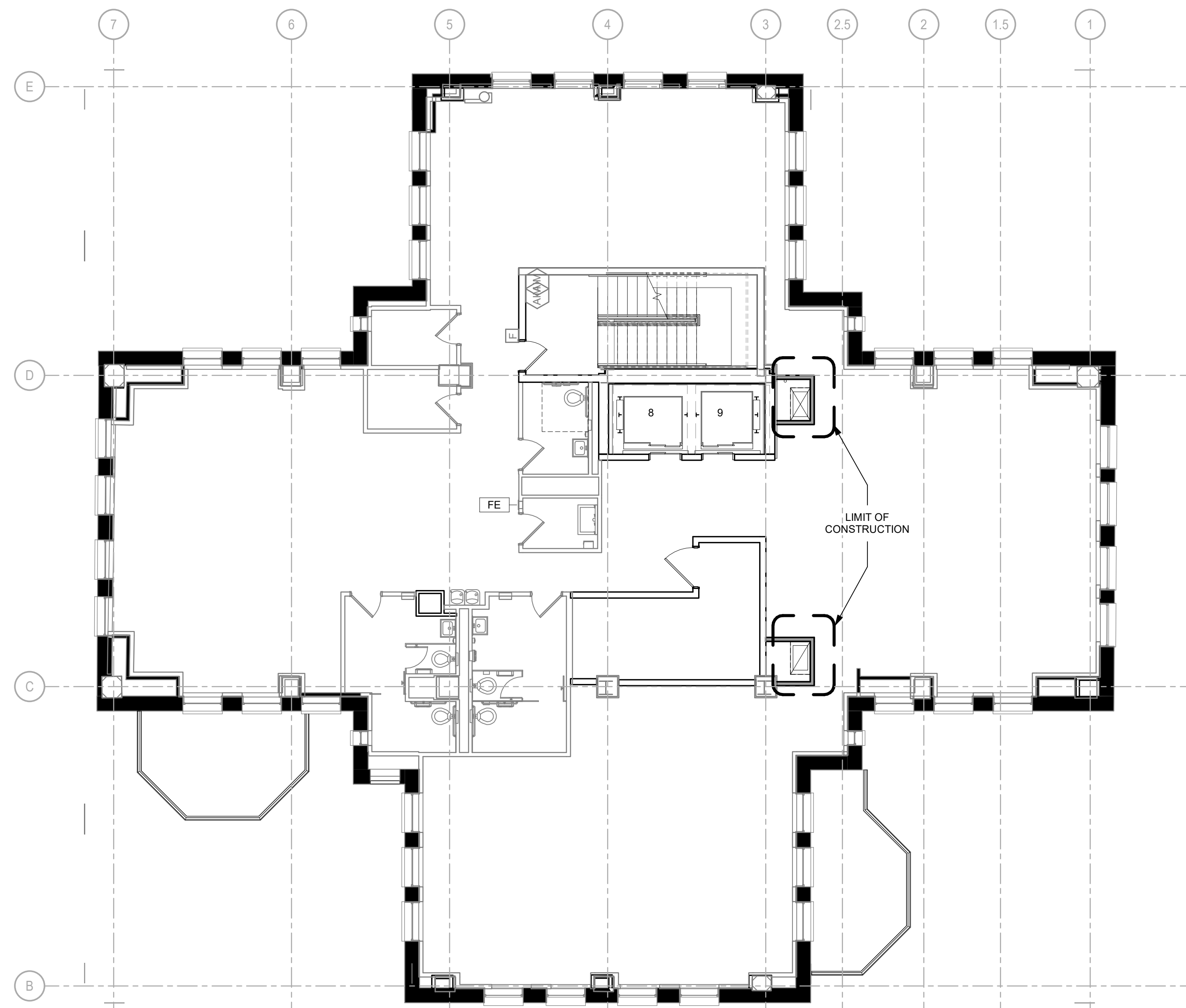
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DATE: 09/18/2020  
DRAWN BY: SM  
CHECKED BY: PT

DRAWING TITLE:  
**10TH FLOOR PLAN**

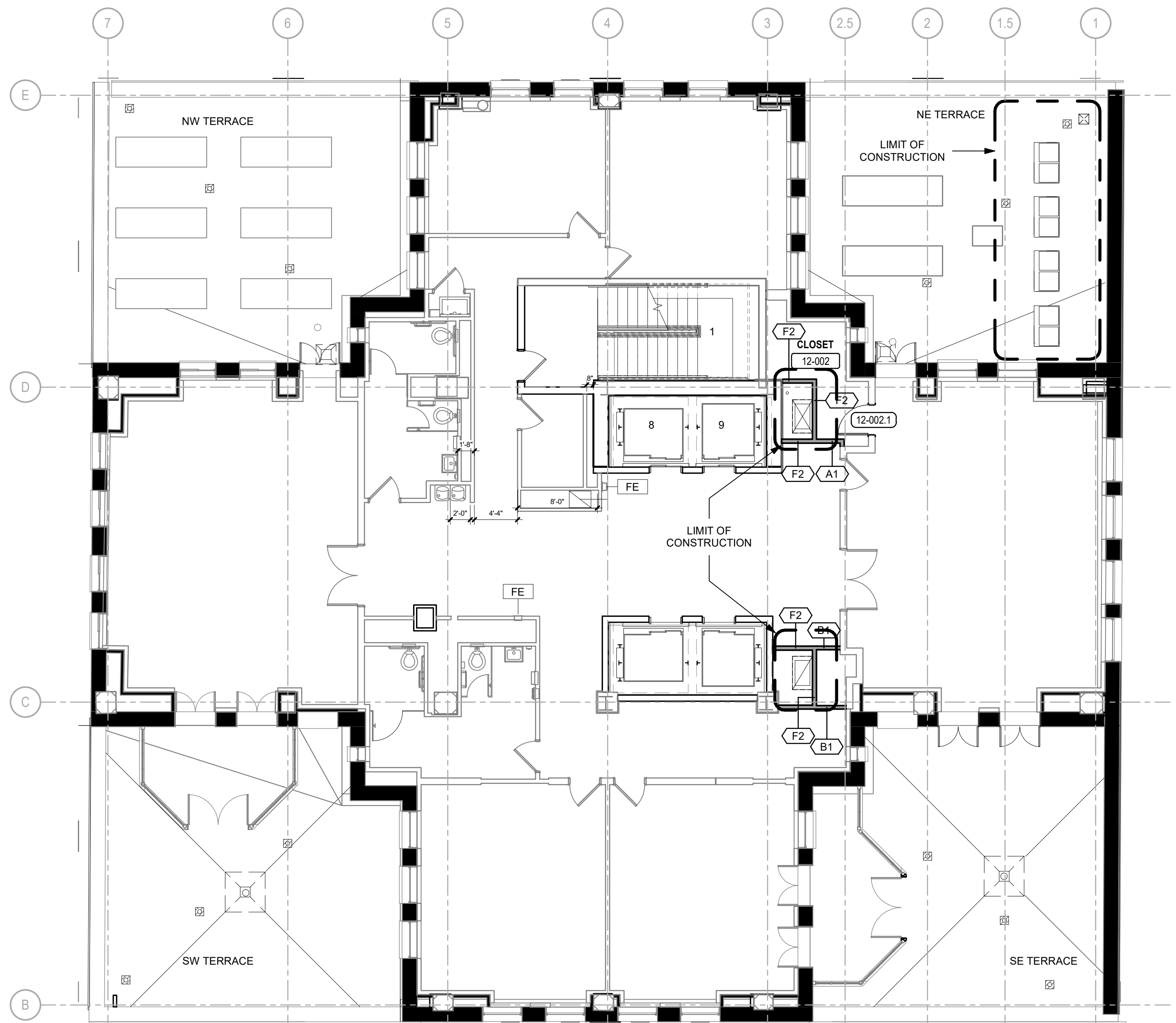
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**A-110**



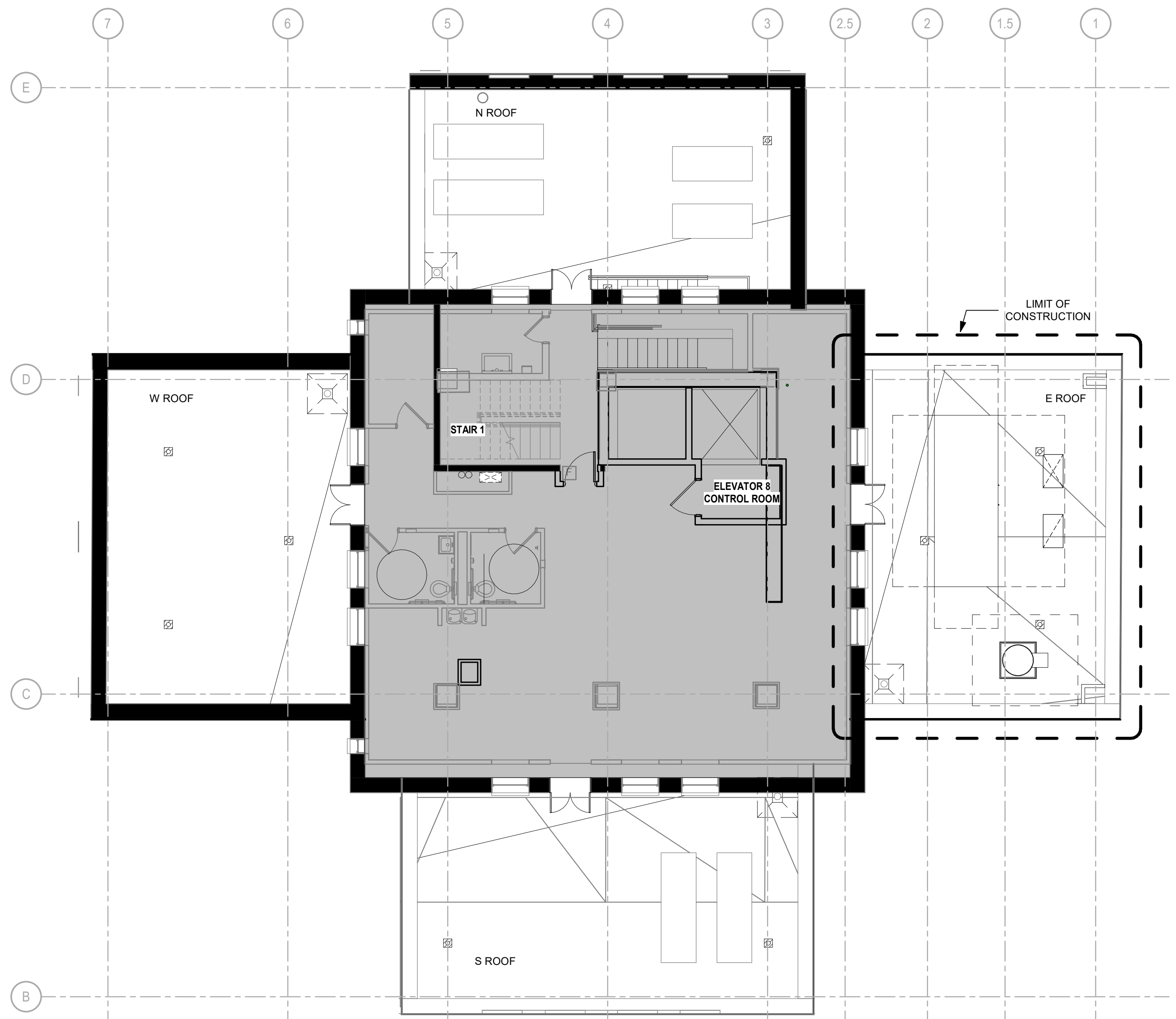
1 11TH FLOOR PLAN  
A-111  
SCALE: 1/8" = 1'-0"



3 13TH FLOOR PLAN  
A-111  
SCALE: 1/8" = 1'-0"



2 12TH FLOOR PLAN  
A-111  
SCALE: 1/8" = 1'-0"



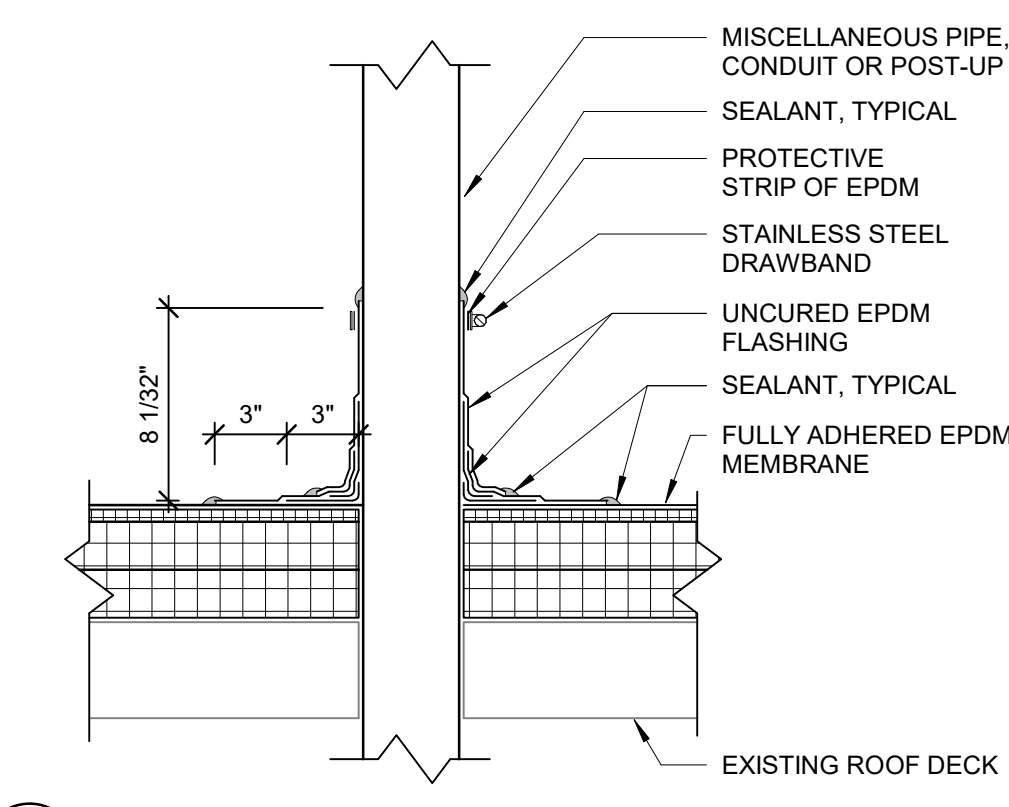
4 14TH FLOOR PLAN  
A-111  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

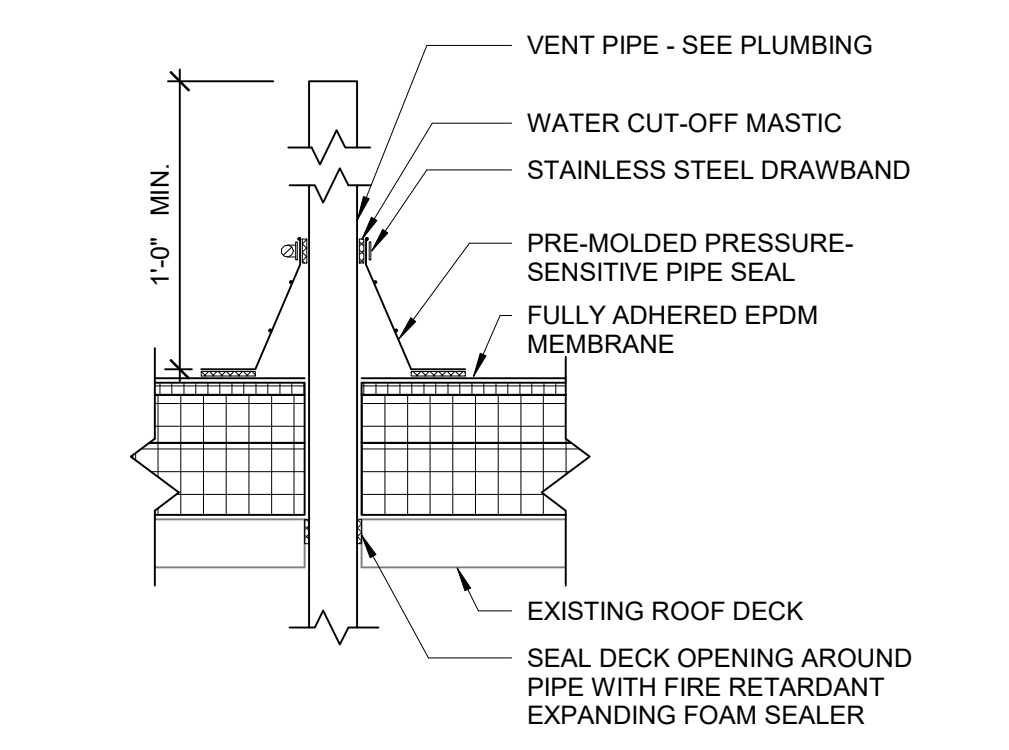
1. SEE A-100 FOR BASE BUILDING GENERAL NOTES.

**KEYNOTES - ROOF PLAN**

- 1 CONDENSING UNITS - SEE MEP
- 2 EXISTING CONDENSING UNITS
- 3 LOCATE PARTITIONS TIGHT TO DUCT / CONDUIT
- 4 DOAS UNIT - SEE MEP. SEE STRUCTURAL FOR SUPPORTS
- 5 SMOKE PURGE FAN - SEE MEP. SEE STRUCTURAL FOR SUPPORTS
- 6 REFRIGERANT LINE SETS - SEE MEP + STRUCTURAL. PROVIDE 2 HR FIRE RATED FIRE STOP AT SLAB OPENING.



5 TYPICAL FIELD WRAP  
A-111  
SCALE: 1 1/2" = 1'-0"



6 TYPICAL VENT PIPE FLASHING  
A-111  
SCALE: 1 1/2" = 1'-0"

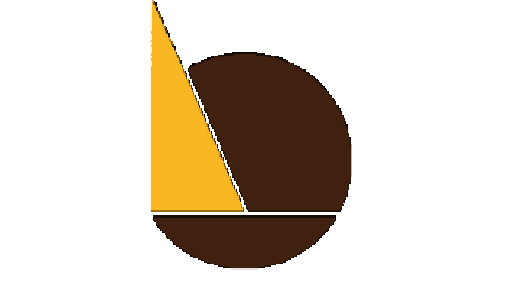
- NOTES:**
1. PRE-MOLDED PRESSURE-SENSITIVE PIPE SEAL MUST HAVE INTACT RIB AT THE TOP EDGE REGARDLESS OF PIPE DIAMETER
  2. EPDM PRIMER MUST BE APPLIED TO MEMBRANE SURFACE PRIOR TO APPLYING PRESSURE-SENSITIVE PIPE SEAL
  3. PROVIDE SIMILAR DETAIL FOR ALL MISCELLANEOUS PIPE AND CONDUITS
  4. ROOF PENETRATION AT LOCATIONS WHERE THE USE OF PRE-MOLDED PRESSURE-SENSITIVE PIPE SEAL IS NOT POSSIBLE, PROVIDE FIELD WRAP AS SHOWN ON DETAILS



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DRAWING TITLE:  
**11TH-13TH FLOOR  
PLAN & 14TH  
FLOOR ROOF PLAN**

SHEET NO.:  
**A-111**

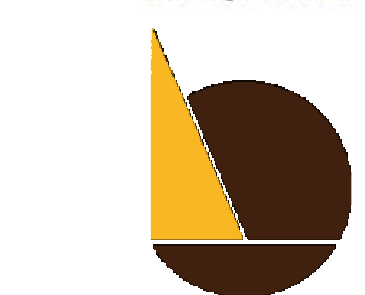




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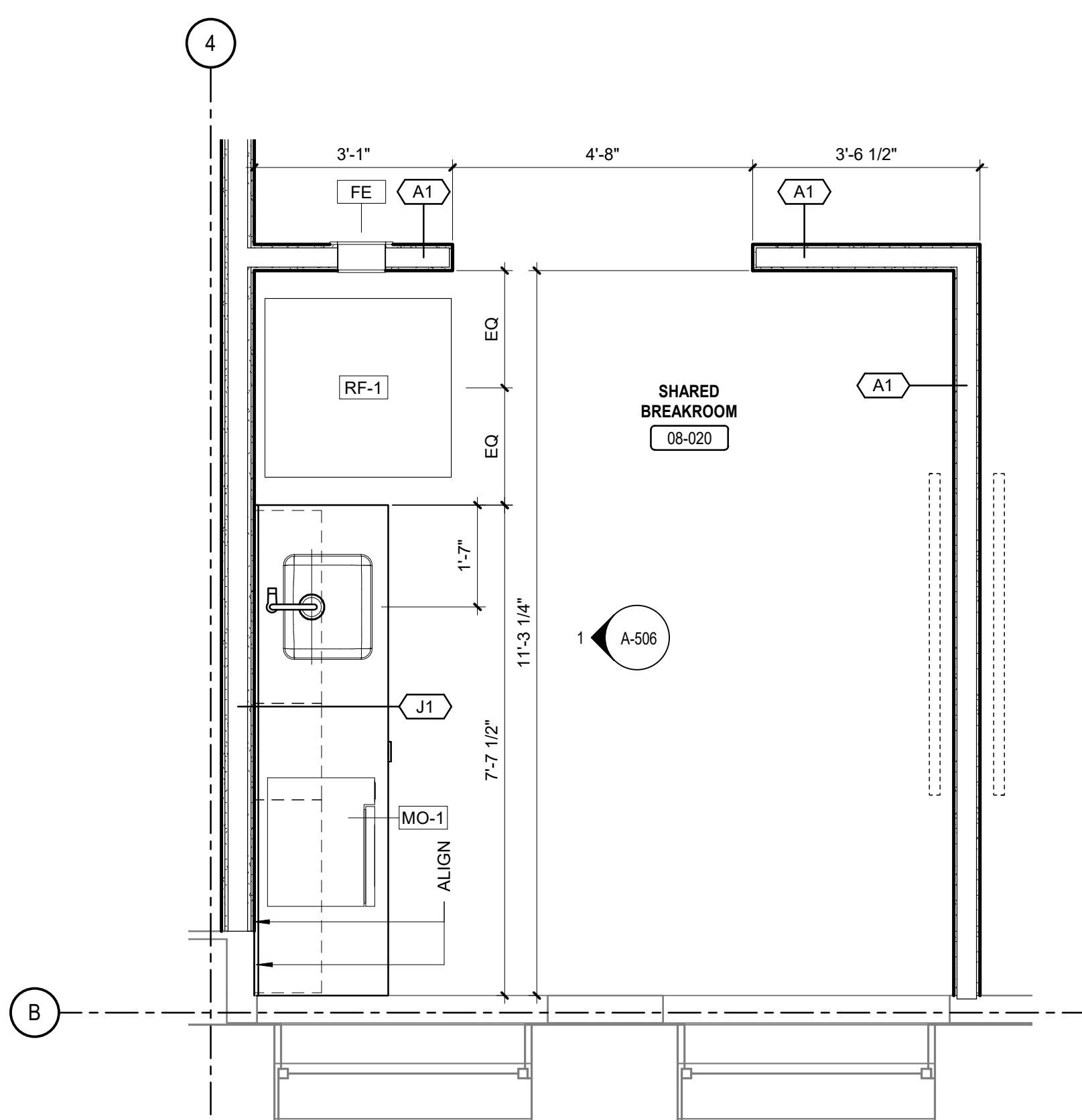
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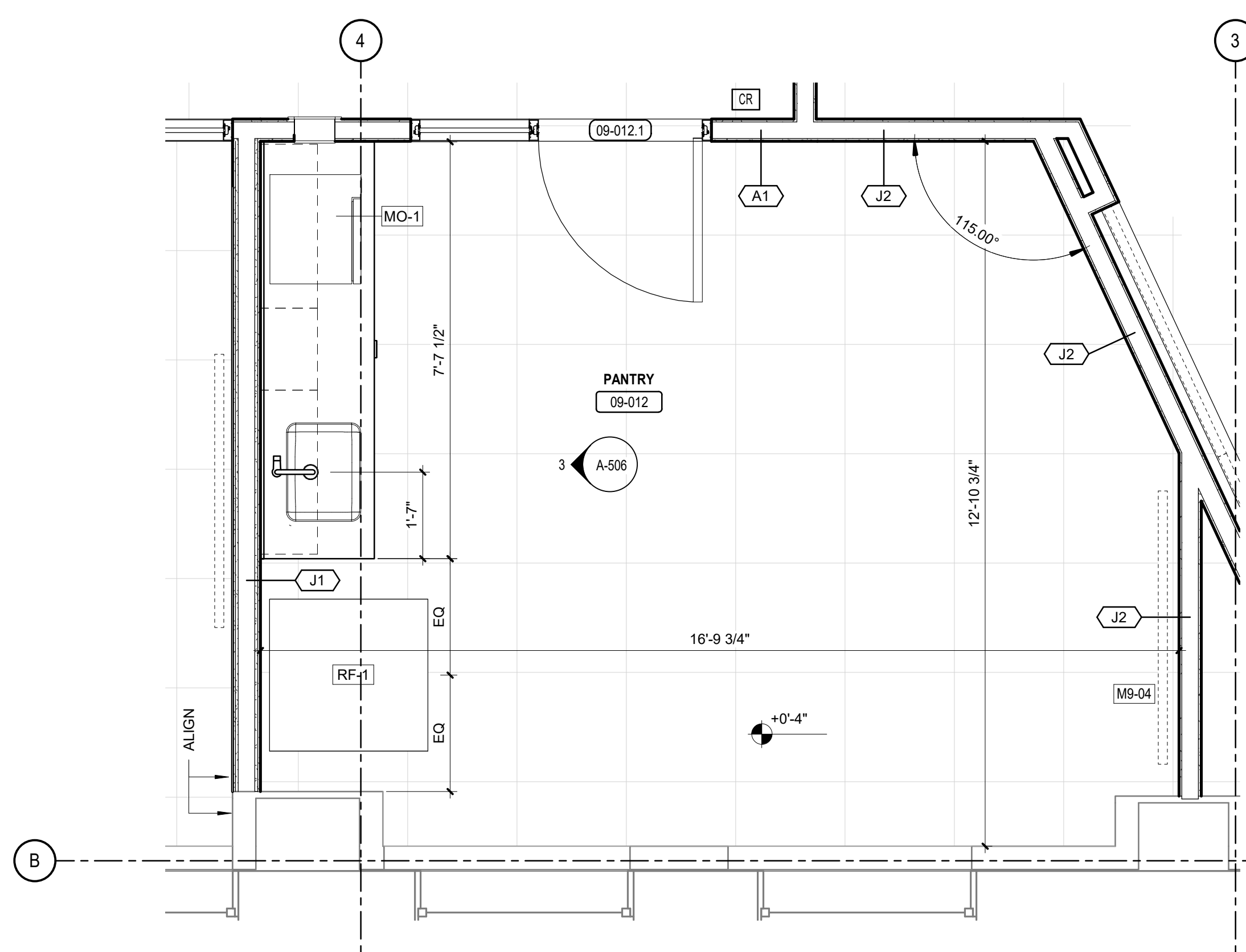
DRAWING TITLE:  
**ENLARGED PLANS**

SHEET NO:  
**A-150**

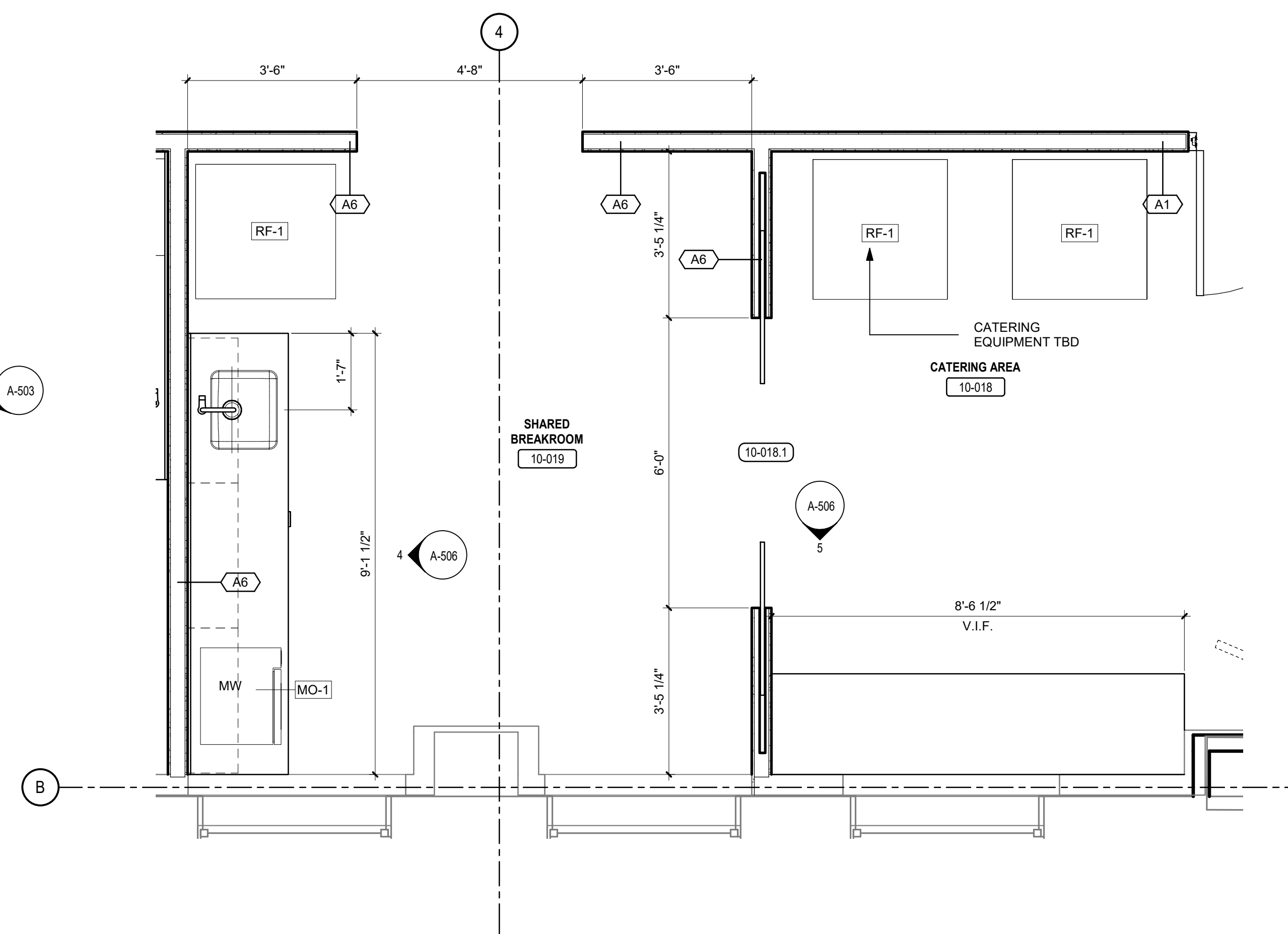
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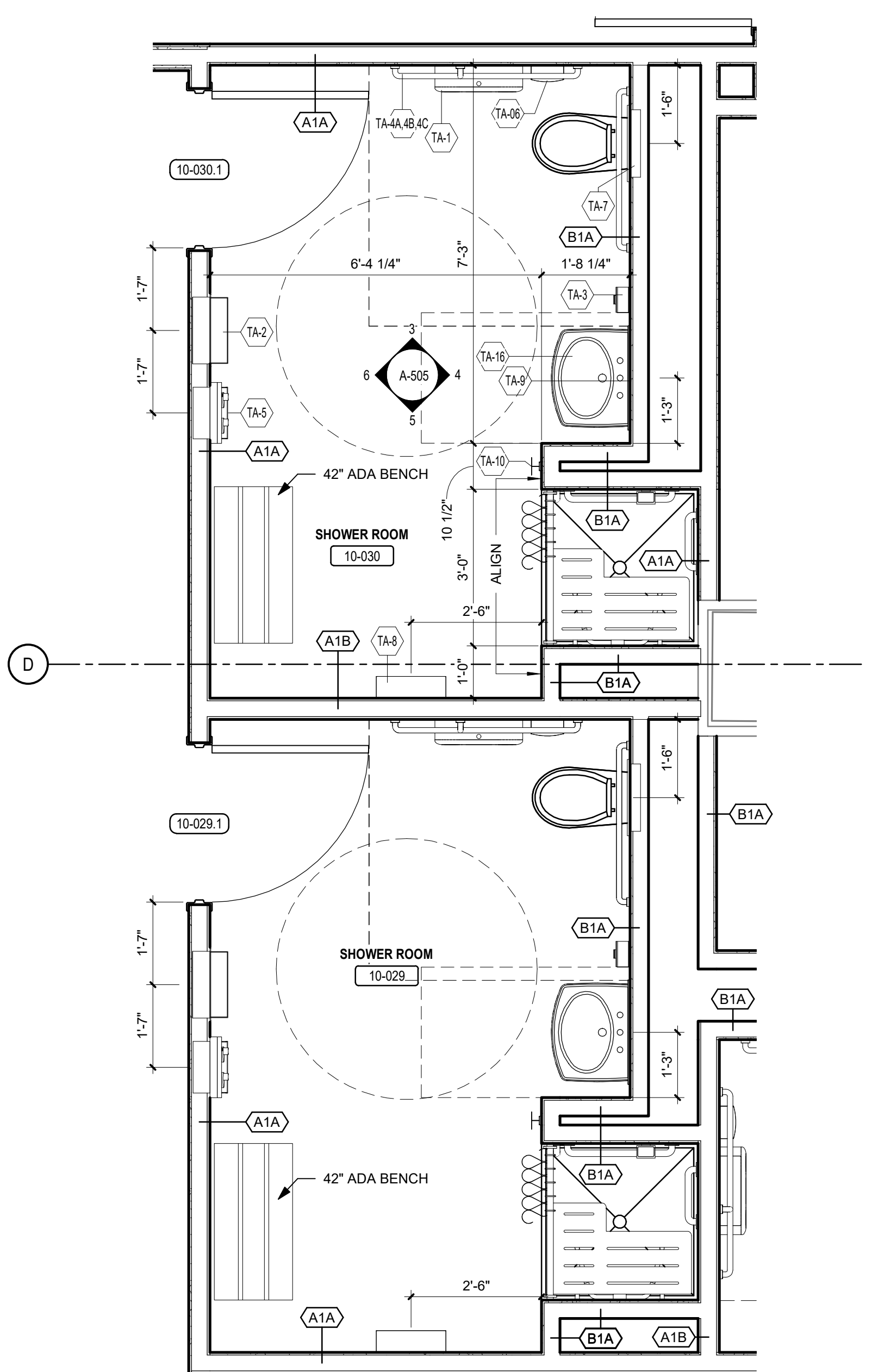
1 ENLARGED PLAN - BREAKROOM 08-020  
 SCALE: 1/2" = 1'-0"



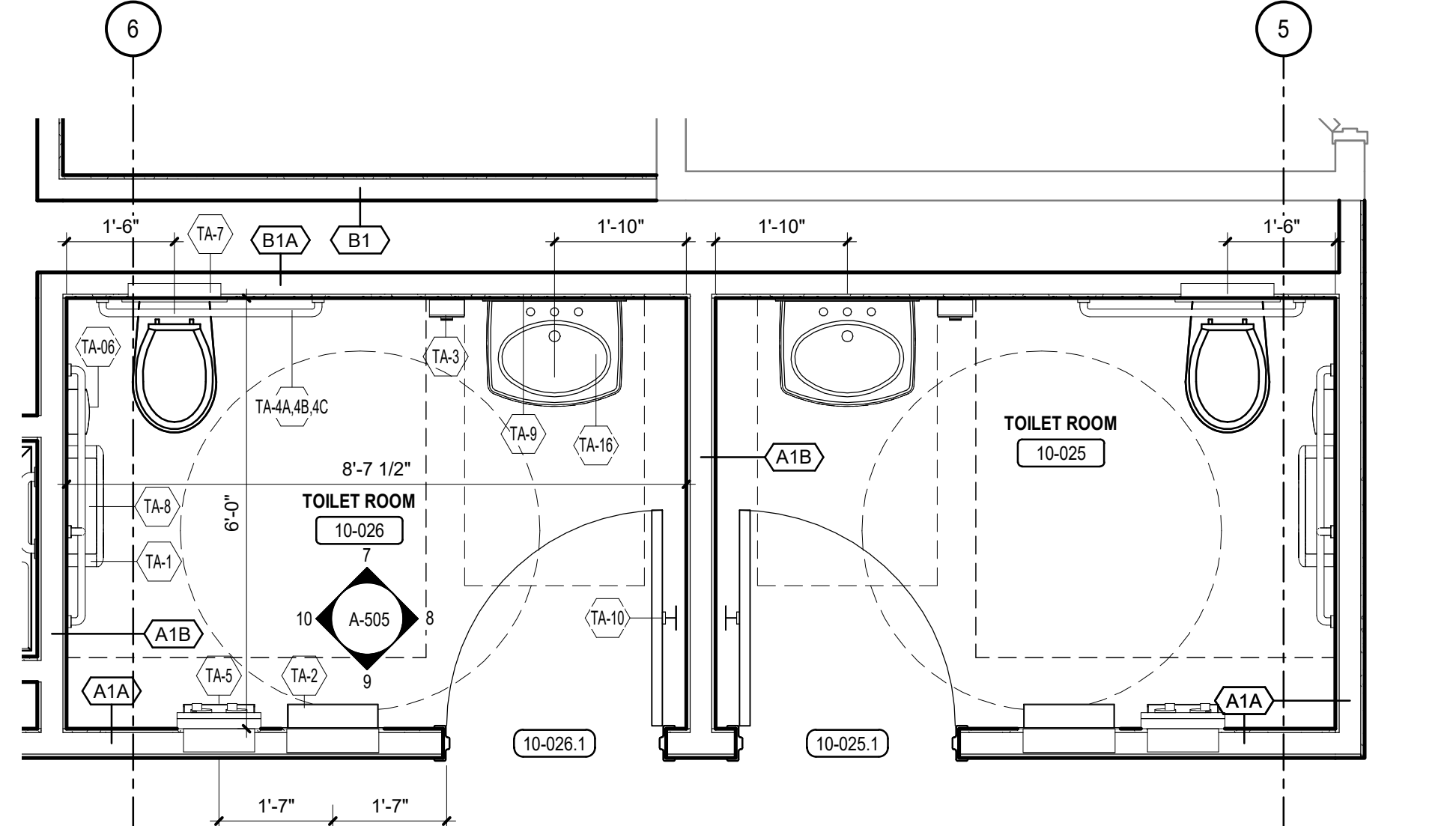
2 ENLARGED PLAN - PANTRY 09-012  
 SCALE: 1/2" = 1'-0"



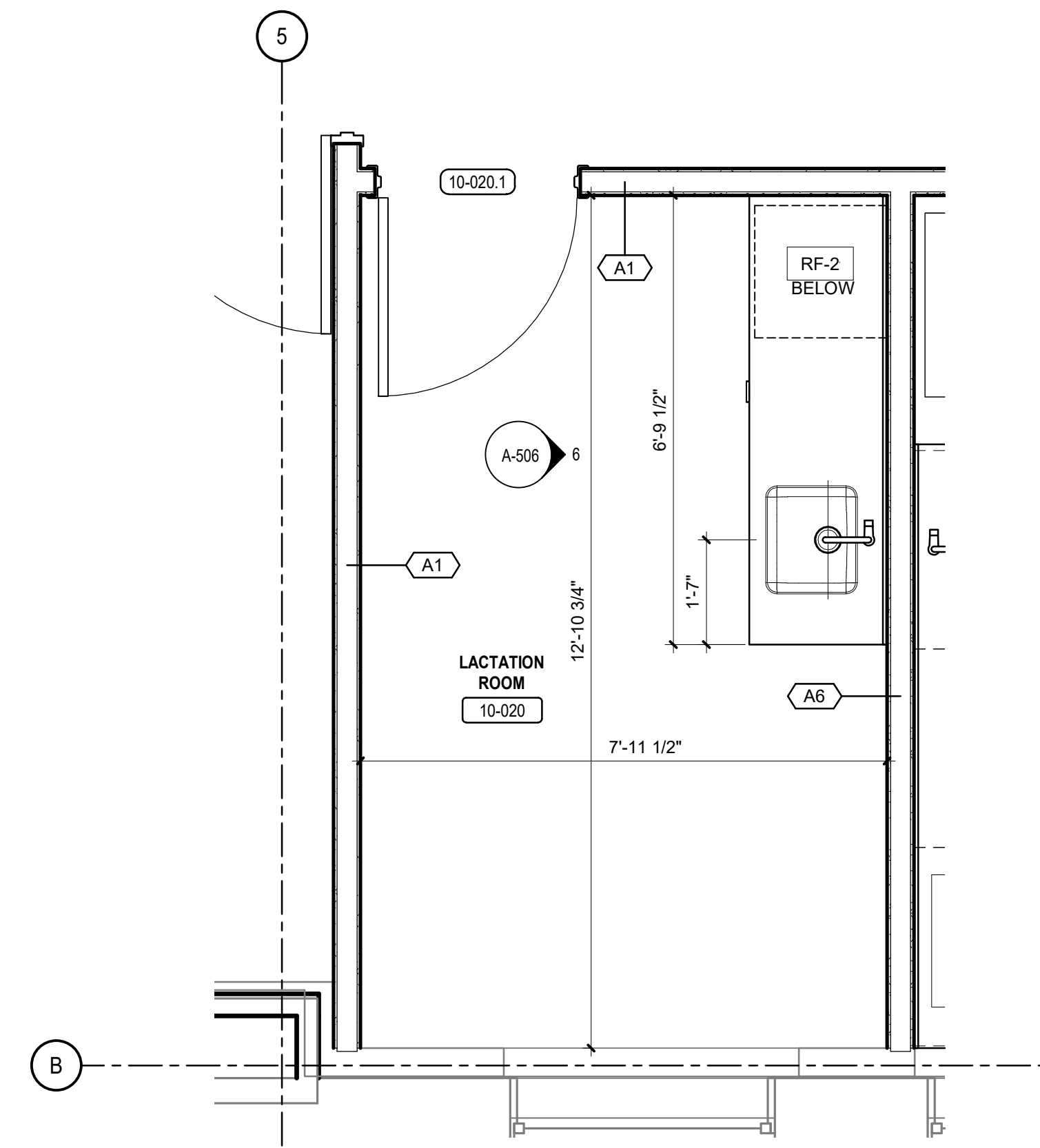
6 ENLARGED PLAN - BREAK ROOM 10-019  
 SCALE: 1/2" = 1'-0"



3 ENLARGED PLAN - SHOWER ROOMS 10-029 & 10-030  
 SCALE: 1/2" = 1'-0"



4 ENLARGED PLAN - TOILET ROOMS 10-025 & 10-026  
 SCALE: 1/2" = 1'-0"

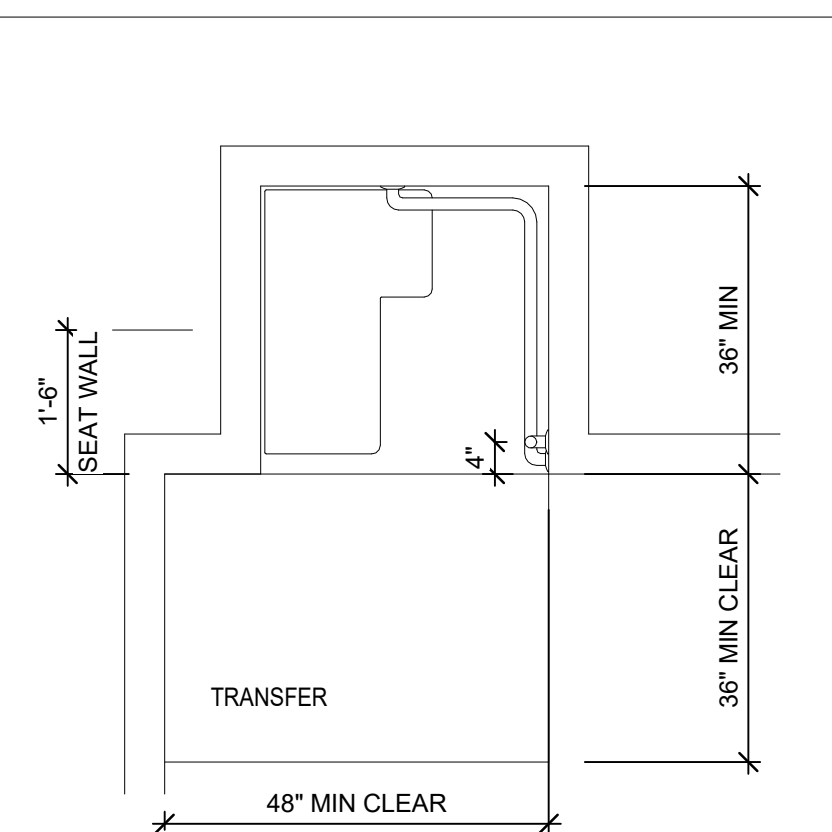


7 ENLARGED PLAN - LACTATION ROOM 10-020  
 SCALE: 1/2" = 1'-0"

**GENERAL NOTES - TOILET ACCESSORIES**

- MOUNT ALL ACCESSORIES PER ADA REQUIREMENTS.
- SEE SPECIFICATION SECTION 224223 COMMERCIAL SHOWERS FOR ADA SHOWER WITH INTEGRAL ACCESSORIES.
- SEE SPECIFICATION SECTION 10 28 00 FOR TOILET ACCESSORIES.
- ACCESSORY DESCRIPTION:  
 TA-1 TOILET TISSUE DISPENSER  
 TA-2 TOWEL / WASTE RECEPTACLE  
 TA-3 LIQUID SOAP DISPENSER  
 TA-4 GRAB BAR (18")  
 TA-5 VENDOR  
 TA-6 SANITARY NAPKIN DISPOSAL UNIT  
 TA-7 SEAT COVER DISPENSER  
 TA-8 SHELF  
 TA-9 MIRROR  
 TA-10 COAT HOOK  
 TA-16 UNDERLAVATORY GUARD

**TYPICAL ADA SHOWER PLAN**



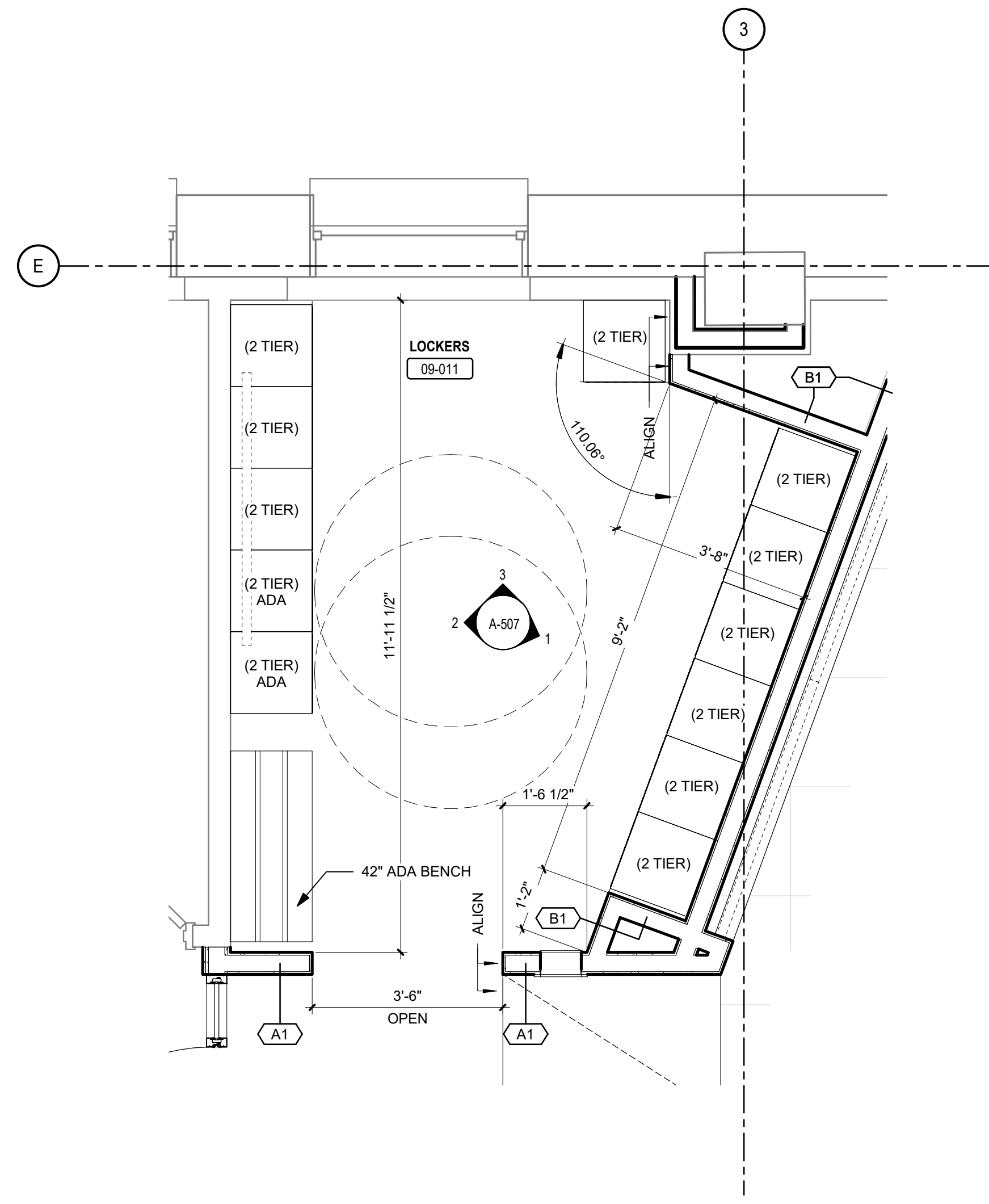
**PLUMBING FIXTURES / ACCESSORIES MOUNTING HEIGHTS [ICC/ANSI A117.1]**

ITEM NAME	MOUNTING HEIGHT
PAPER TOWEL DISPENSER	4'-0" / 1'-6" MAX
PAPER TOWEL DISPENSER/WASTE RECEPTACLE	48"
TOILET TISSUE DISPENSER	36"
SURFACE MOUNTED SOAP DISPENSER	48" TO CONTROLS
UTILITY HOOK	48" MAX.
ADA TILT MIRROR	48" MAX TO REFLECTIVE SURFACE
TOILET ELEVATION W/ GRAB BAR LOCATIONS	33"-36" (toilet), 36" MIN. (grab bar)
TOILET ELEVATION W/ GRAB BAR LOCATIONS	33"-36" (toilet), 42" MIN. (grab bar), 18" MIN. (toilet seat), 39"-41" (toilet height)
WALL MOUNTED SINK ELEVATION	2'-10" MAX (toilet), 27" MAX (sink)

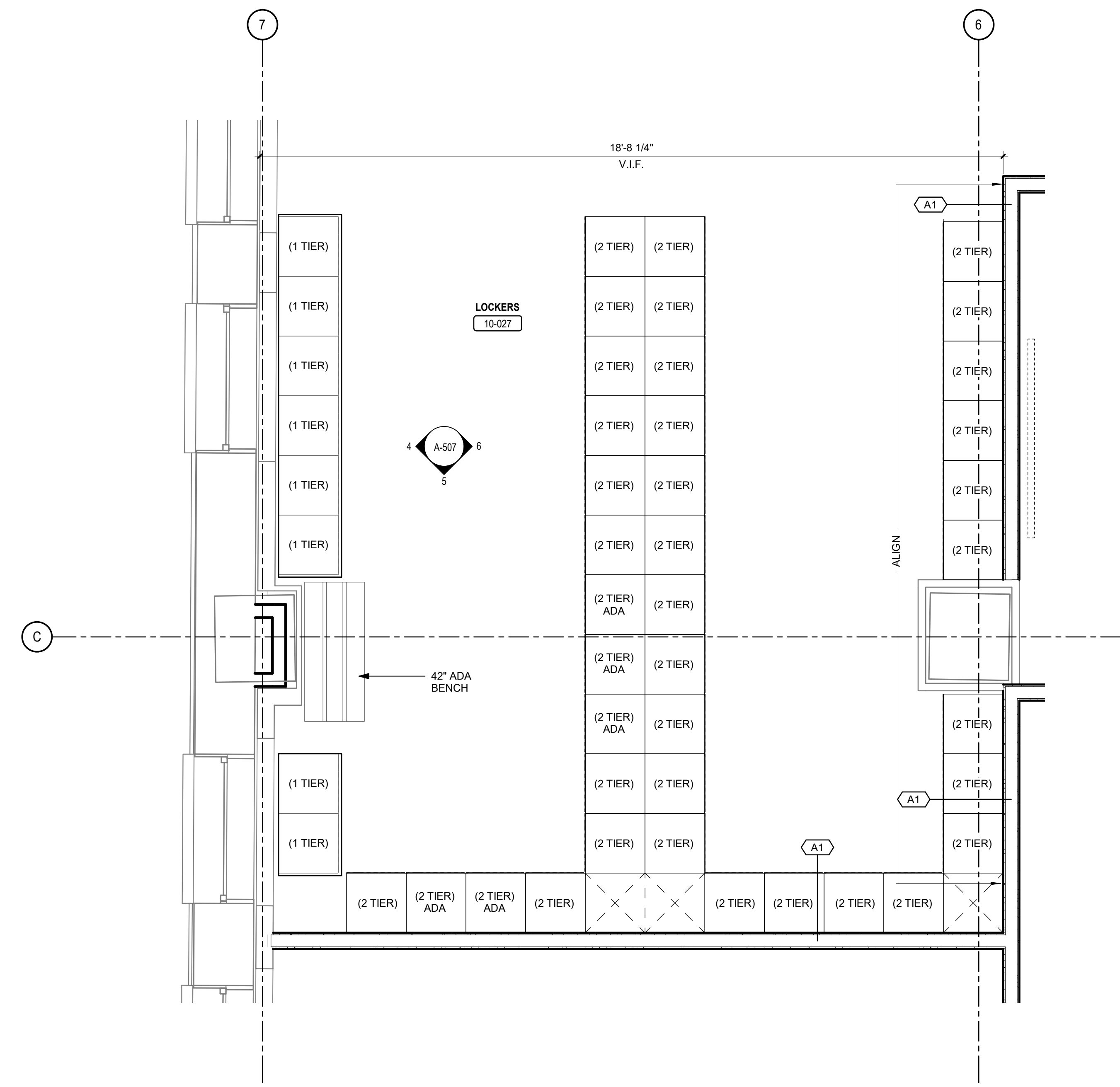
NOTE: 1. PROVIDE SOLID BLOCKING IN WALLS FOR HANDICAPPED ADAPTABILITY OF FIXTURE (I.E. GRAB BARS). GRAB BARS SHALL BE DESIGNED AND CONSTRUCTED TO THE STRUCTURAL LOADING CONDITIONS IN SECTION 4.4 OF THE ASCE 7.  
 2. PER ICC/ANSI A117.1 IN SECTION 603.6 OPERABLE PARTS, OPERABLE PARTS ON PAPER TOWEL DISPENSERS SERVING ACCESSIBLE LAVATORIES SHALL COMPLY WITH TABL 603.6.

TABLE 603.6 MAX REACH DEPTH AND HEIGHT

MAX REACH DEPTH	5'	2'	5'	6'	9'	11'
MAX REACH HEIGHT	48"	48"	42"	40"	36"	34"



2 ENLARGED PLAN - LOCKER ROOM 09-011  
SCALE: 1/2" = 1'-0"



1 ENLARGED PLAN - LOCKER ROOM 10-027  
SCALE: 1/2" = 1'-0"



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DRAWING TITLE:  
**ENLARGED  
LOCKER ROOM  
PLANS**

SHEET NO.:  
**A-151**



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DRAWING TITLE:  
**8TH FLOOR  
 REFLECTED  
 CEILING PLAN**

SHEET NO.:  
**A-208**

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**SYMBOLS LEGEND - RCP**

NOTE: ALL SYMBOLS NOT NECESSARILY SHOWN ON PLAN.

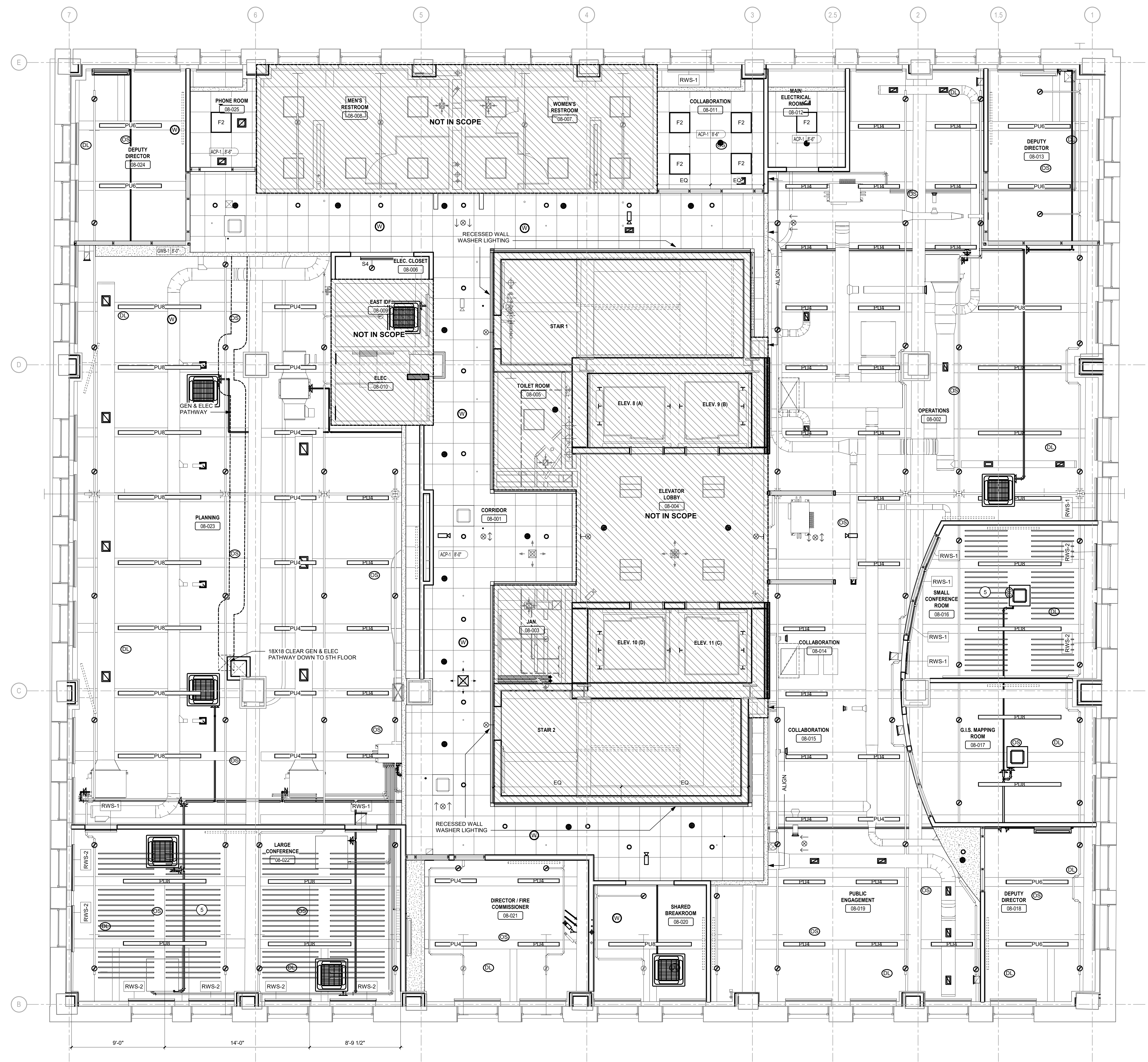
SYMBOL	DESCRIPTION
XXX# T'-0"	CEILING HEIGHT TAG
[Pattern]	CEILING FINISH KEY. SEE FINISH SCHEDULE
[Pattern]	NEW ACOUSTICAL CEILING TILE & GRID
[Pattern]	NEW GWB & SOFFIT
[Symbol]	24" x 24" RECESSED TROFFER LIGHT FIXTURE
[Symbol]	24" x 48" RECESSED TROFFER LIGHT FIXTURE
[Symbol]	RECESSED DOWN LIGHT FIXTURE
[Symbol]	LED EXIT SIGN (WALL/CEILING)
[Symbol]	SPRINKLER HEAD
[Symbol]	24" x 24" RECESSED CEILING HVAC SUPPLY DIFFUSER
[Symbol]	24" x 24" RECESSED CEILING HVAC RETURN DIFFUSER
[Symbol]	LINEAR RECESSED CEILING DIFFUSER
[Symbol]	THERMOSTAT
[Symbol]	RWS-2 BLACKOUT SHADES - SEE SPEC

**GENERAL NOTES - RCP**

- 1 ALL NEW CEILING HEIGHT TO BE (8'-6"), UNLESS OTHERWISE NOTED.
- 2 ALL WALL MOUNTED DEVICES (IE. THERMOSTATS, LIGHT SWITCHES, ELEC OUTLETS, ETC.) TO BE ALIGNED VERTICALLY ON BOTTOM EDGE AND HORIZONTALLY ON CENTER. GANGED IN ONE PLATE.
- 3 ALL LIGHT FIXTURES SHALL BE NEW AND PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR. UNLESS OTHERWISE NOTED.
- 4 ALL EXISTING NEW AND REUSED LIGHT FIXTURES, CEILING TILE, CEILING GRID, REGISTERS, GRILLES & DIFFUSERS THAT ARE DAMAGED AND/OR STAINED AND/OR DENTED SHALL BE REPLACED BY NEW ONES.
- 5 ALL DOWN LIGHTS FIXTURES WITHIN A 2'x2' OR 2'x4' CEILING TILE SHALL BE CENTERED WITHIN SUCH TILE. UNLESS OTHERWISE NOTED.
- 6 ALL NEW AND RELOCATED SPRINKLER HEADS WITHIN A 2'x2' OR 2'x4' CEILING TILE SHALL BE CENTERED WITHIN SUCH TILE. UNLESS OTHERWISE NOTED.
- 7 ALL EXISTING & REUSED LIGHT FIXTURES WITHIN AREA OF WORK SHALL BE RELAMPED. ALL LAMPS SHALL BE NEW.
- 8 SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- 9 MANUAL ROLLER SHADES TO BE PROVIDED AT ALL WINDOWS BY OTHERS.

**KEYNOTES**

- 1 EXPOSED CEILING. PAINT VISIBLE SURFACES. NOT INCLUDING DUCTWORK, PIPING AND CONDUIT UNLESS NOTED OTHERWISE (SEE KEYNOTE 7). ARCHITECT TO MAKE COLOR SELECTION. TBD.
- 2 PAINT EXPOSED STRUCTURE. ARCHITECT TO MAKE COLOR SELECTION. TBD. ALL FINISHES TO BE SUBMITTED TO ARCHITECT FOR REVIEW & APPROVAL.
- 3 EXPOSED DUCTWORK, PIPING AND CONDUIT SHALL BE PAINTED IN THIS SPACE ACCORDING TO SPECS. ARCHITECT TO MAKE COLOR SELECTION TBD.
- 4 APC-2 APC CLOUD SYSTEM. B.O. CLOUD = 8'-6" AFF. SEE SPECS
- 5 SPB-1 4" DEEP ACOUSTIC BAFFLES. B.O. BAFFLE = 8'-6" AFF. SEE SPECS
- 6 APPROXIMATE LOCATION OF VAV BOX & DUCT. REMOVE INSULATION FROM VAV AND LOW-PRESSURE DUCT. PREPARE SURFACE. PAINT TO MATCH CEILING.
- 7 INSTALL DATA CABLING IN CABLE TRAY. COLOR WHITE.
- 8 INSTALL CABLE TRAY FOR WIRE / CABLE MANAGEMENT. PAINT TO MATCH CEILING.

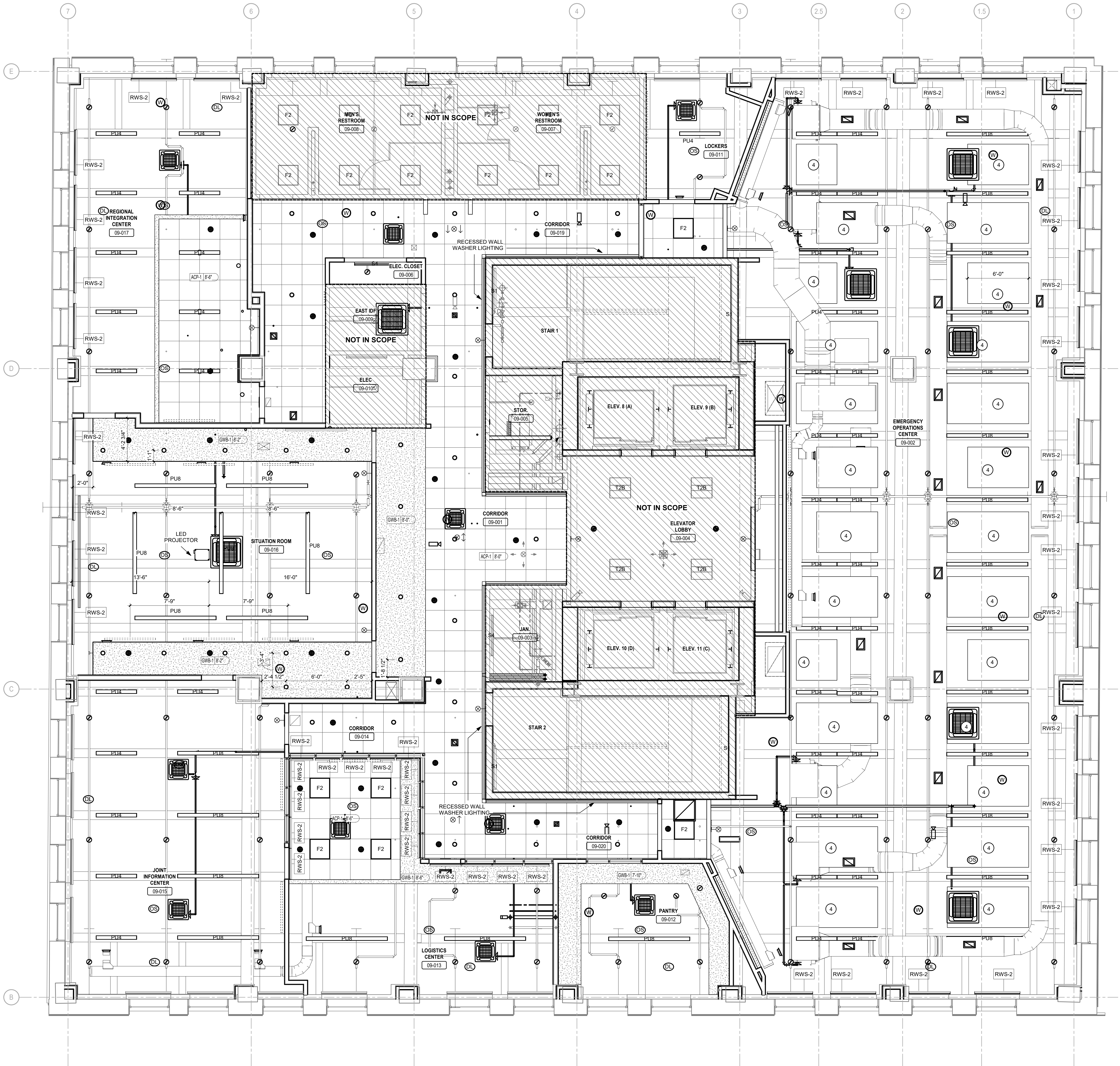


1 8TH FLOOR REFLECTED CEILING PLAN  
 SCALE: 1/4" = 1'-0"

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GENERAL NOTES - RCP

1. SEE A-208 FOR SYMBOLS LEGEND - RCP & GENERAL NOTES - RCP.



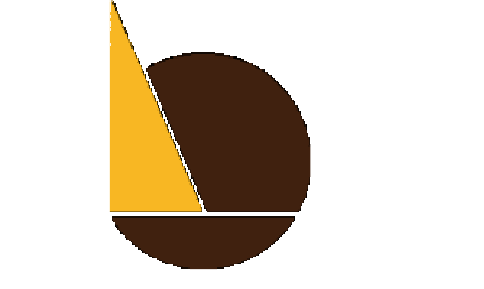
1 9TH FLOOR REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"



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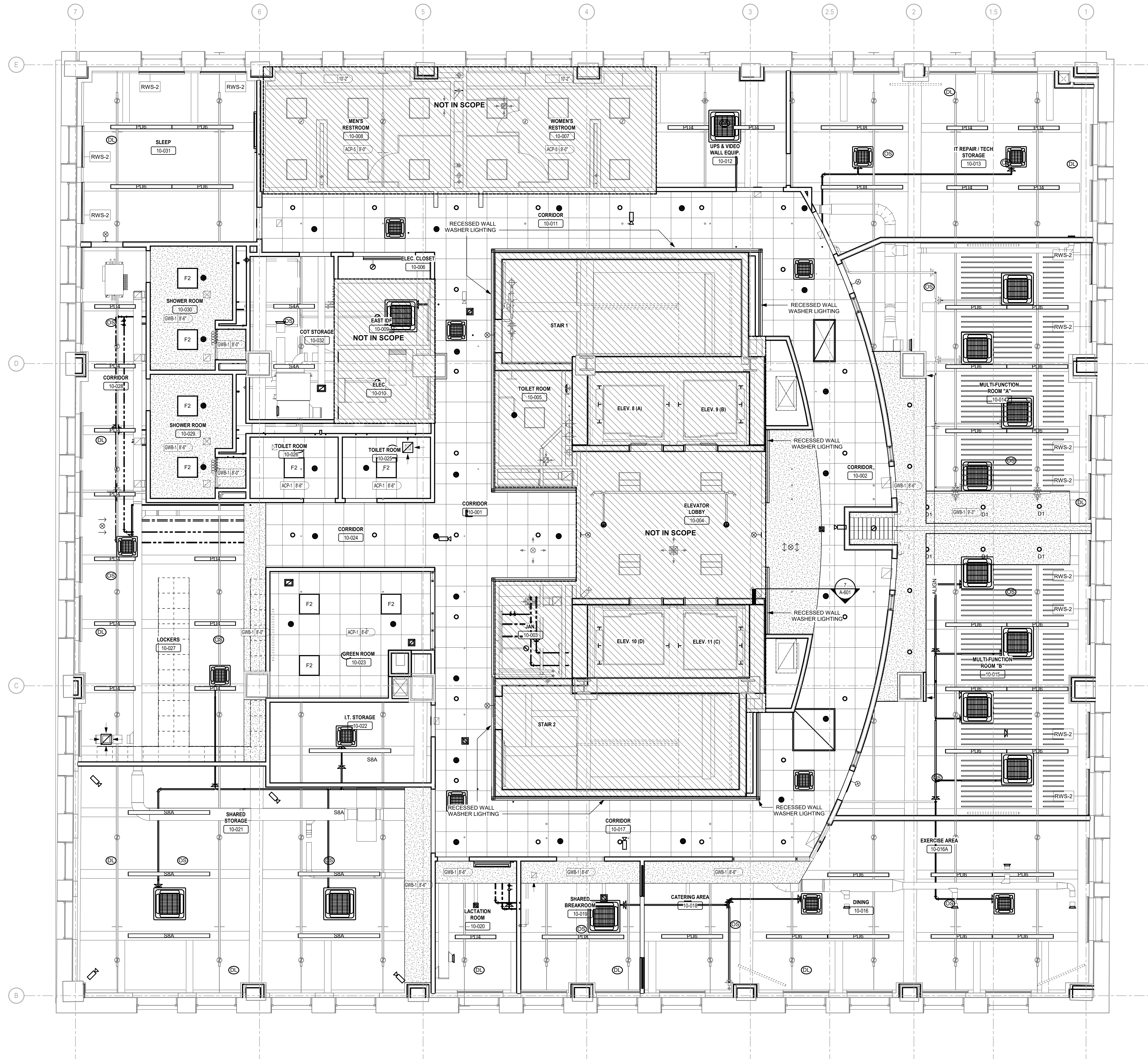
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DRAWING TITLE:  
9TH FLOOR  
REFLECTED  
CEILING PLAN

SHEET NO:  
A-209

GENERAL NOTES - RCP

1. SEE A-208 FOR SYMBOLS LEGEND - RCP & GENERAL NOTES - RCP.



1 10TH FLOOR REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"



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**10TH FLOOR  
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SHEET NO.:  
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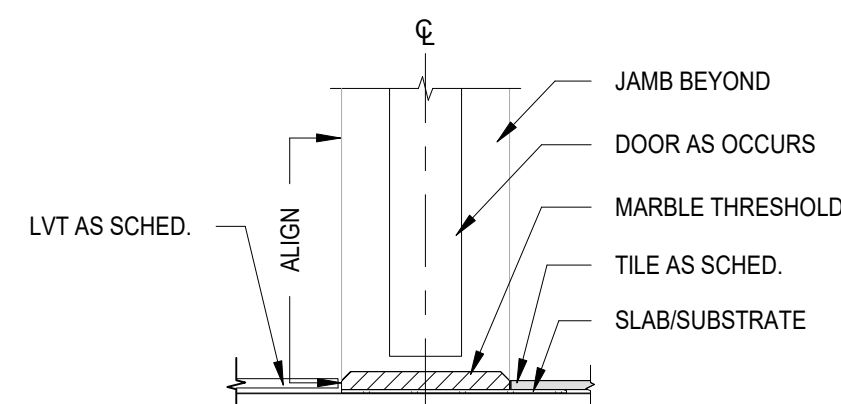
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FINISH GROUP SCHEDULE						
FINISH GROUP	DESCRIPTION	FLOOR	BASE	WALL	WALL ACCENT	CEILING
FG-1	LOCKERS, DINING, PANTRY, CATERING	LVT-1	B-1	P-1	NONE	SEE RCP
FG-1A	CORRIDORS	LVT-1	B-1	P-1	P-2	SEE RCP
FG-1B	CORRIDORS	LVT-1	B-1	P-1	P-3	SEE RCP
FG-1C	CORRIDORS	LVT-1	B-1	P-1	P-4	SEE RCP
FG-1D	BREAKROOM, PANTRY, EXERCISE	LVT-1	B-1	P-1	P-6	SEE RCP
FG-2	PLANNING	CPT-1	B-1	P-1	NONE	SEE RCP
FG-2A	OPERATIONS, COLLAB., ENGAGEMENT	CPT-1	B-1	P-1	P-2	SEE RCP
FG-2B	LACTATION	CPT-1	B-1	P-1	P-5	SEE RCP
FG-3	DIRECTORS, PHONE, SLEEP	CPT-3	B-1	P-1	NONE	SEE RCP
FG-3A	CONFERENCE, COLLAB., C MULTI-FUNCT., GREEN	CPT-3	B-1	P-1	P-5	SEE RCP
FG-4	SITUATION, JCP, CORRIDORS	CPT-2	B-1	P-1	NONE	SEE RCP
FG-4A	EQC, CORRIDORS	CPT-2	B-1	P-1	P-3	SEE RCP
FG-4B	LOGISTICS, JIC, RIC	CPT-2	B-1	P-1	P-5	SEE RCP
FG-5	STORAGE, ELECTRICAL	VCT-1	B-1	P-1	NONE	SEE RCP
FG-5A	IT/TECH STORAGE	VCT-1	B-1	P-1	P-5	SEE RCP
FG-5B	COT STORAGE	VCT-1	B-1	P-1	WC-1	SEE RCP
FG-6	SHOWER, TOILET	CT-1	CT-1	P-1	CT-2	SEE RCP

FINISH SCHEDULE							
TAG	MATERIAL	MANUFACTURER	PRODUCT	COLOR	SIZE	INSTALLATION METHOD	REMARKS
FLOOR							
CPT-1	CARPET TILE	ATLAS	HANGOUT, T7996 SETTLE IN	99602 STORMY NIGHT	12"x36"	PLANK	
CPT-2	CARPET TILE	STATICWORX	SHADOWFX CHENILE	100216 RETROSPECTIVE	2'x2'	TILE	
CPT-3	CARPET TILE	ATLAS	HANGOUT, T7995 STAY AWHILE	99602 STORMY NIGHT	12"x36"	PLANK	
CT-1	CERAMIC TILE	DALTILE	LINDEN POINT	LP21 GRIGIO	12"x24"	TILE	
LVT-1	LUXURY VINYL TILE	INTERFACE	VINYL FLOORING	A00308 LIGHT CONCRETE	2'x2'	TILE	
VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD EXCELON, IMPERIAL TEXTURE	51915 CHARCOAL	12"x12"	TILE	
WALL							
CT-2	CERAMIC TILE	DALTILE	MODERN DIMENSION	0190 ARTIC WHITE	4.25"x8"	TILE	
MPP-1	MINERAL PROFILE PANNELLING	MODULAR ARTS	ACCENT WALL	SANDSTONE F01			PAINT WITH GENERAL WALL PAINT COLOR P-1
P-1	PAINT	BENJAMIN MOORE	GENERAL WALL PAINT	OC-68 DISTANT GREY		PAINT	EGGSHELL FINISH, GENERAL WALL PAINT COLOR U/I/O
P-2	PAINT	BENJAMIN MOORE	ACCENT WALL PAINT	2066-10 BLUE		PAINT	EGGSHELL FINISH, ACCENT PAINT COLOR
P-3	PAINT	BENJAMIN MOORE	ACCENT WALL PAINT	2067-40 BLUE LAPIS		PAINT	EGGSHELL FINISH, ACCENT PAINT COLOR
P-4	PAINT	BENJAMIN MOORE	ACCENT WALL PAINT	2067-50 SUMMER BLUE		PAINT	EGGSHELL FINISH, ACCENT PAINT COLOR
P-5	PAINT	BENJAMIN MOORE	ACCENT WALL PAINT	HC-178 CHARCOAL SLATE		PAINT	EGGSHELL FINISH, ACCENT PAINT COLOR
P-6	PAINT	BENJAMIN MOORE	ACCENT WALL PAINT	TBD		PAINT	EGGSHELL FINISH, ACCENT PAINT COLOR
WA-1	DECORATIVE WALL PANELS	3FORM	ECORESIN 38", ASTRO	LID-1007269			ASTRO, SCALE B, MYTHICAL B60, OPACITY IV
CEILING							
APC-1	ACOUSTIC PANEL CEILING	USG	ACOUSTICAL CEILING TILES		2'x2'	TILE	
APC-2	ACOUSTIC PANEL CEILING	ARMSTRONG	CLOUD SYSTEM				
P-7	PAINTED CEILING	BENJAMIN MOORE	CEILING PAINT	2132-10 BLACK		PAINT	FLAT FINISH, CEILING PAINT COLOR
SBP-1	ACOUSTIC BAFFLE CEILING		ACOUSTICAL FABRIC BAFFLES		2" WIDTH		
BASE							
B-1	RUBBER BASE	ROPPE	4" RUBBER COVE BASE	123 CHARCOAL	4"		
B-2	RUBBER BASE	ROPPE	4" RUBBER STRAIGHT BASE	123 CHARCOAL	4"		
CT-1	PORCELAIN BASE TILE	DALTILE	LINDEN POINT	LP21 GRIGIO	6"x12"	TILE	CUT TILE WITH RONDEC-RB SCHLUDER STRIP ON TOP
T-1	TRANSITION STRIP	SCHLUDER	SCHLUDER-RONDEC-RB	SATIN ANODIZED			TOP CUT BASE TILE
T-2	TRANSITION STRIP	SCHLUDER	SCHLUDER-RENG-U	STAINLESS STEEL V2A			BETWEEN LVT-1 AND CT-1
T-3	TRANSITION STRIP	ROPPE	TRANSITION	123 CHARCOAL			USE APPROPRIATE SIZE BETWEEN LVT-1 AND VCT-1
MISCELLANEOUS							
FRP	FIBRE REINFORCED PLASTIC						SEE SPEC
N-1	RUBBER NOSING						SEE SPEC
PL-1	PLASTIC LAMINATE	NEVAMAR	PLASTIC LAMINATE	RECON OAK WZ0005N HI-LUSTER			
RWS-2	ROLLING WINDOW SHADES						
SS-1	SOLID SURFACE	CORIAN	CORIAN SOLID SURFACE	EVEREST			
WC-1	WALL SHEET PROTECTION	ACROVYN	ABUSE RESISTANT WC	GALVESTON GRAY #315	0.06.0"		

### TRANSITION / BASE DETAILS

SEE DOOR SCHEDULE FOR LOCATION



1  
A-300  
TRANSITION DETAIL - LVT TO TILE  
SCALE: N.T.S.



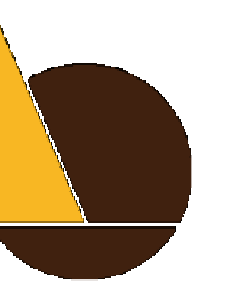
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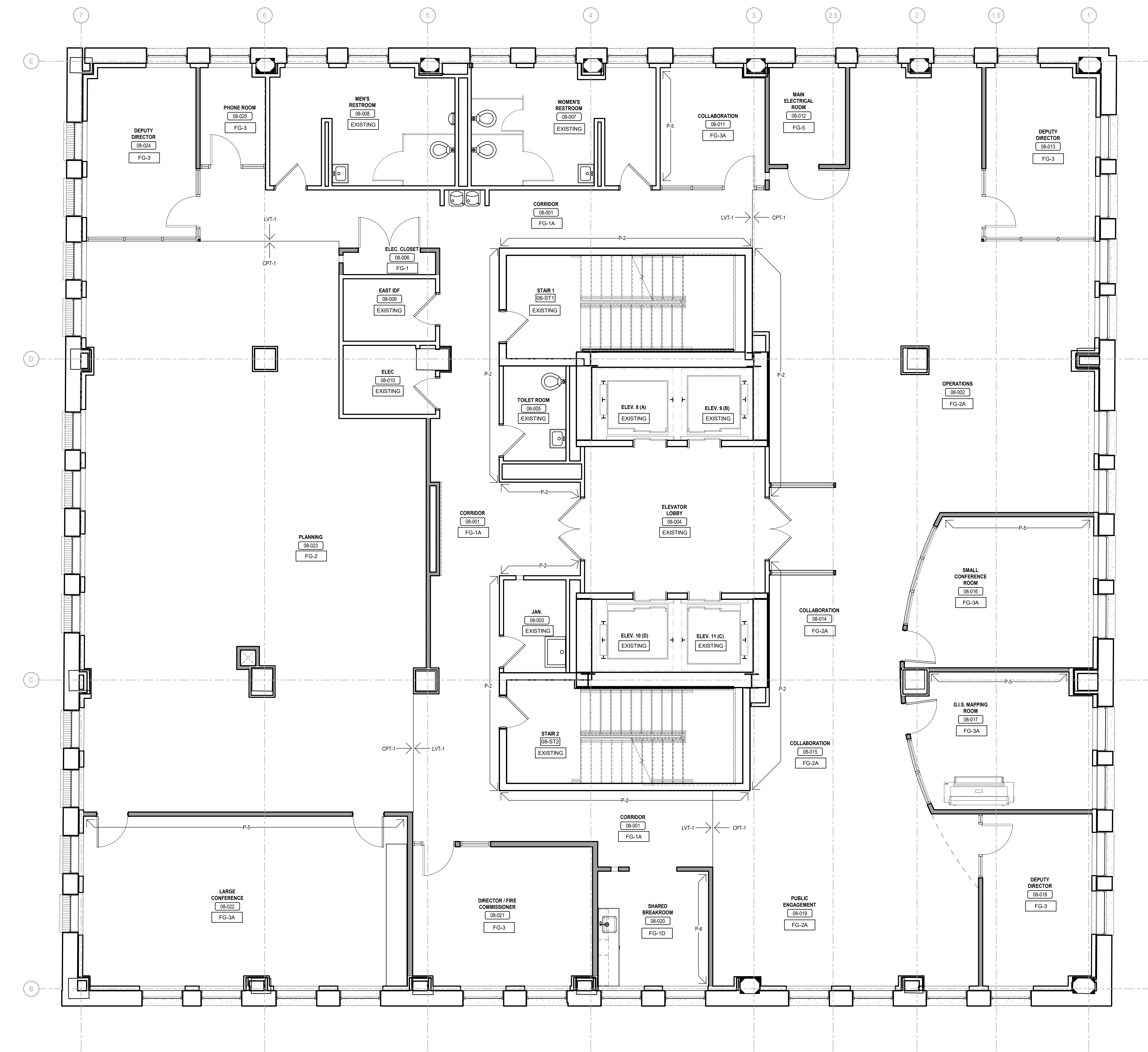
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FINISH SCHEDULE

SHEET NO.:

A-300

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**GENERAL NOTES - FINISH**

- 1 CONTRACTOR TO FLASH PATCH AND LEVEL ALL DAMAGED CONCRETE FLOOR
- 2 PROVIDE ALL FLOORING IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS
- 3 NO SUBSTITUTIONS ALLOWED WITHOUT WRITTEN APPROVAL BY IEI
- 4 SEE SPECIFICATIONS FOR LEVEL OF GWB FINISH
- 5 PAINT ALL INTERIOR WALLS IN OFFICES AND CONFERENCE ROOMS P-1, UNLESS NOTED OTHERWISE
- 6 ALL DOORS AND FRAMES ARE SHALL BE PAINTED TO MATCH ADJACENT WALL UNLESS NOTED OTHERWISE
- 7 COORDINATE WAYFINDING GRAPHICS PER SIGNAGE PLANS.



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DRAWING TITLE:  
**8TH FLOOR FINISH PLAN**

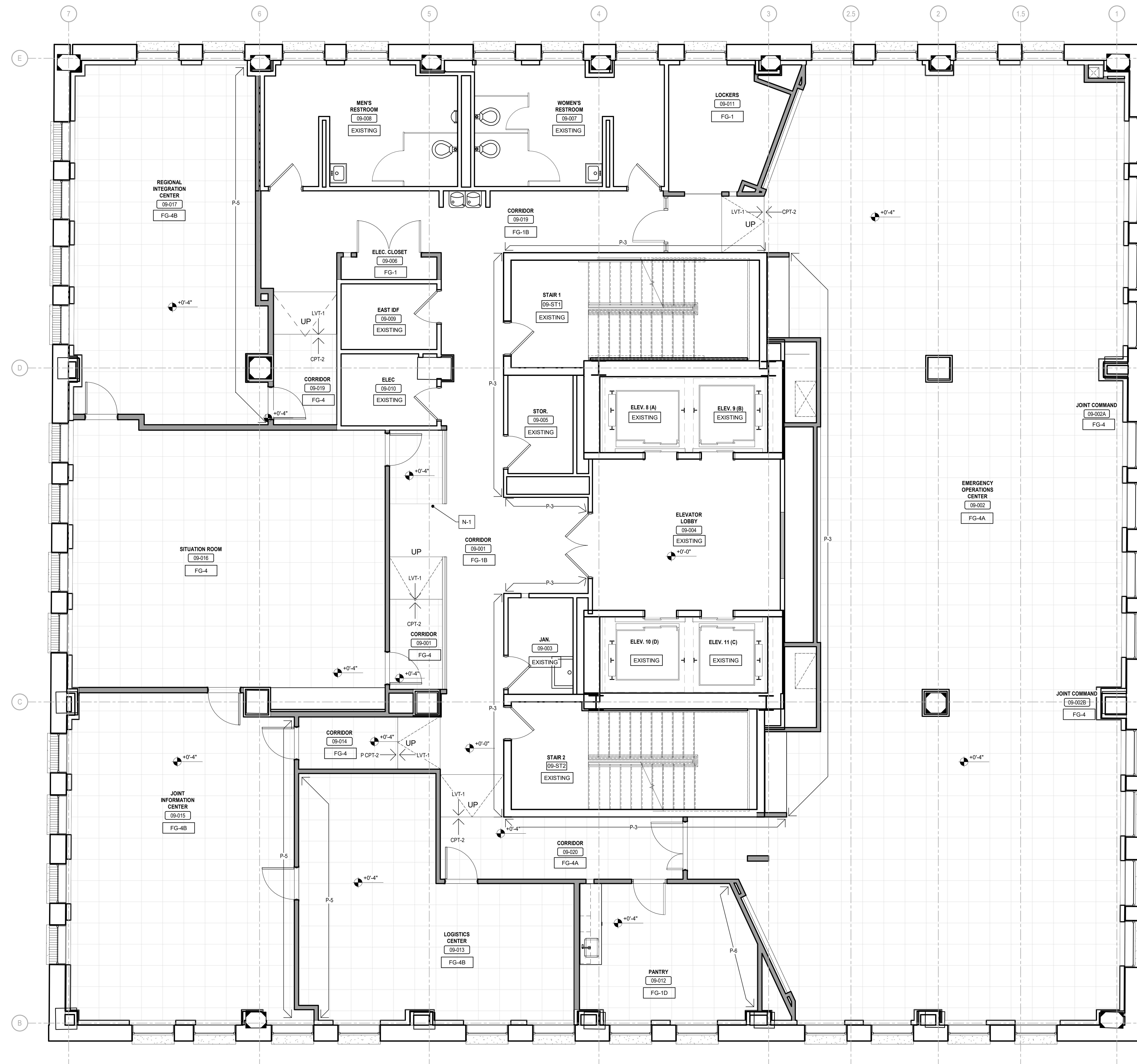
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**A-308**

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1 8TH FLOOR PLAN  
 SCALE: 1/4" = 1'-0"

GENERAL NOTES - FINISH

1. SEE A-308 FOR TYPICAL FINISH NOTES.



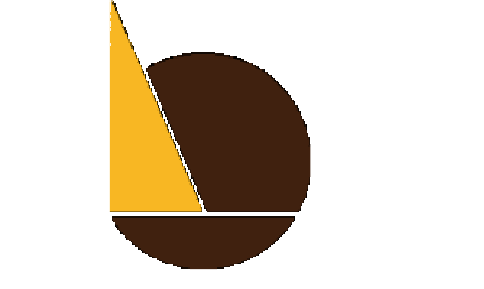
1 9TH FLOOR PLAN  
SCALE: 1/4" = 1'-0"



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DRAWING TITLE:  
9TH FLOOR FINISH PLAN

SHEET NO:  
A-309



GENERAL NOTES - FINISH

1. SEE A-308 FOR TYPICAL FINISH NOTES.

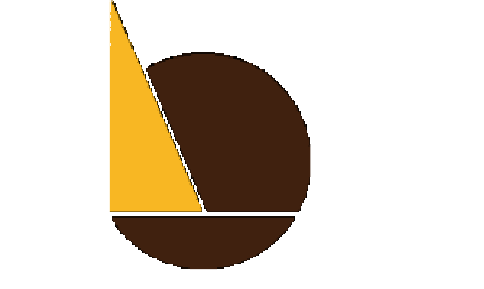


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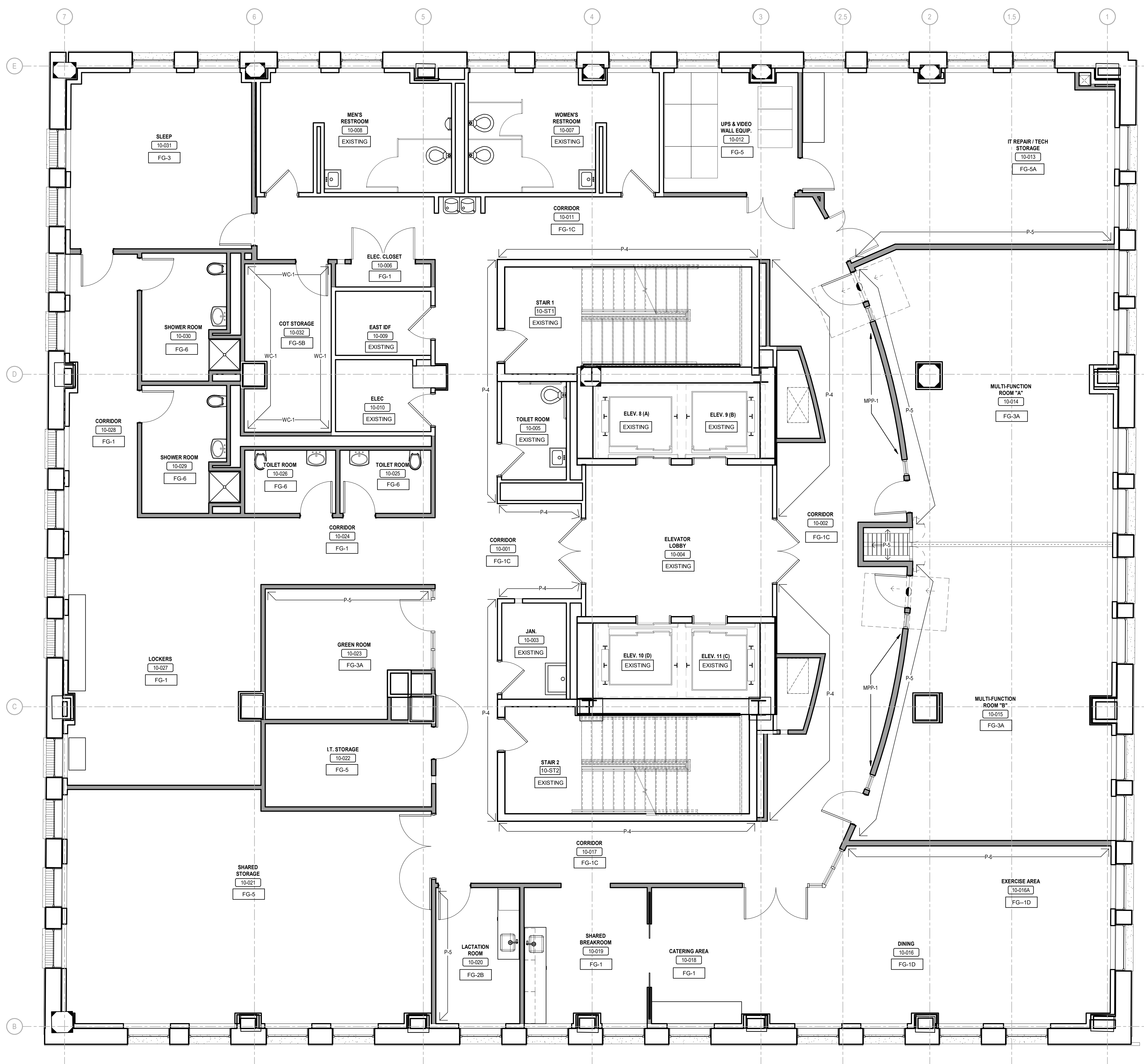
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10TH FLOOR  
FINISH PLAN

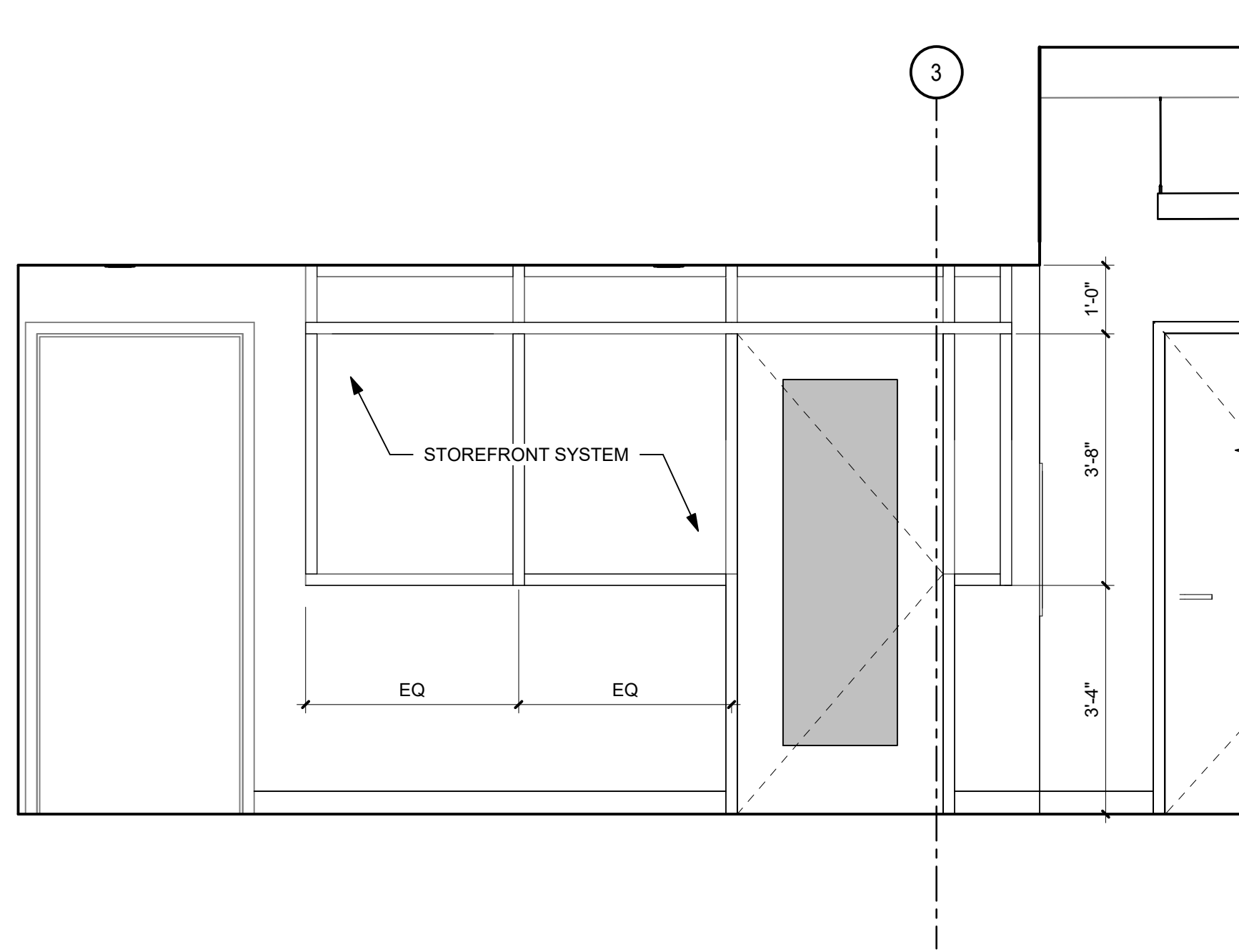
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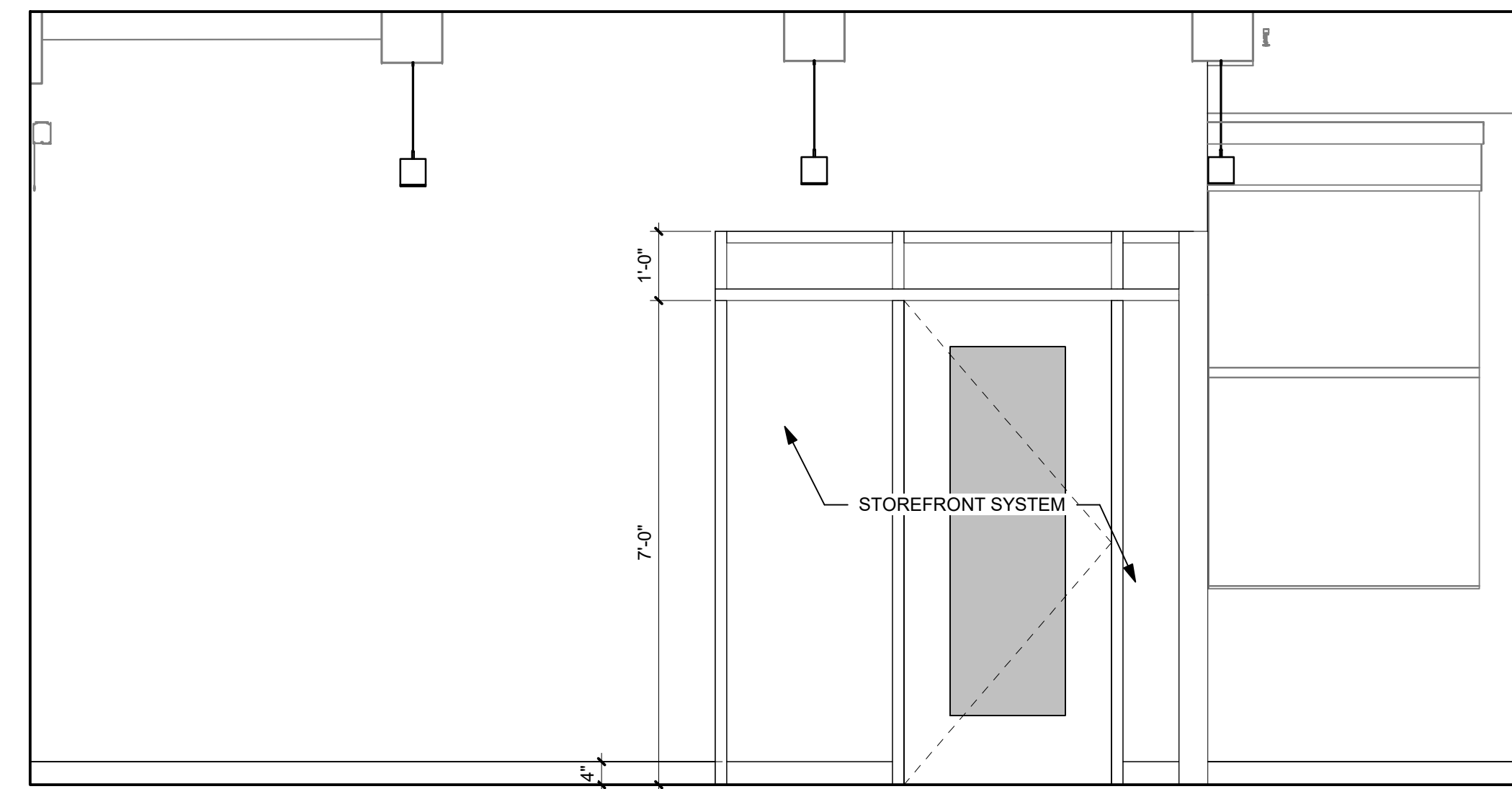


10TH FLOOR PLAN  
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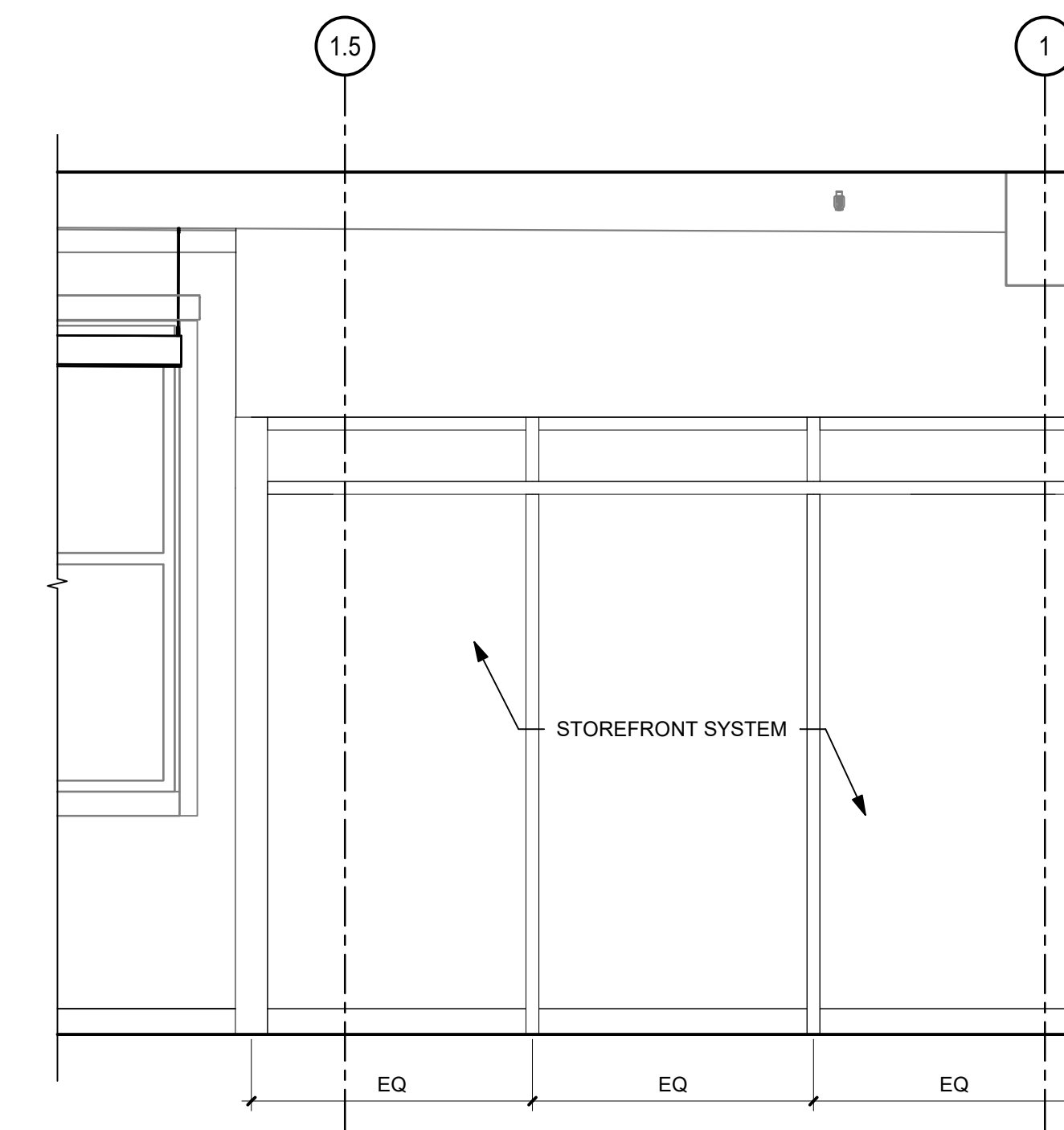
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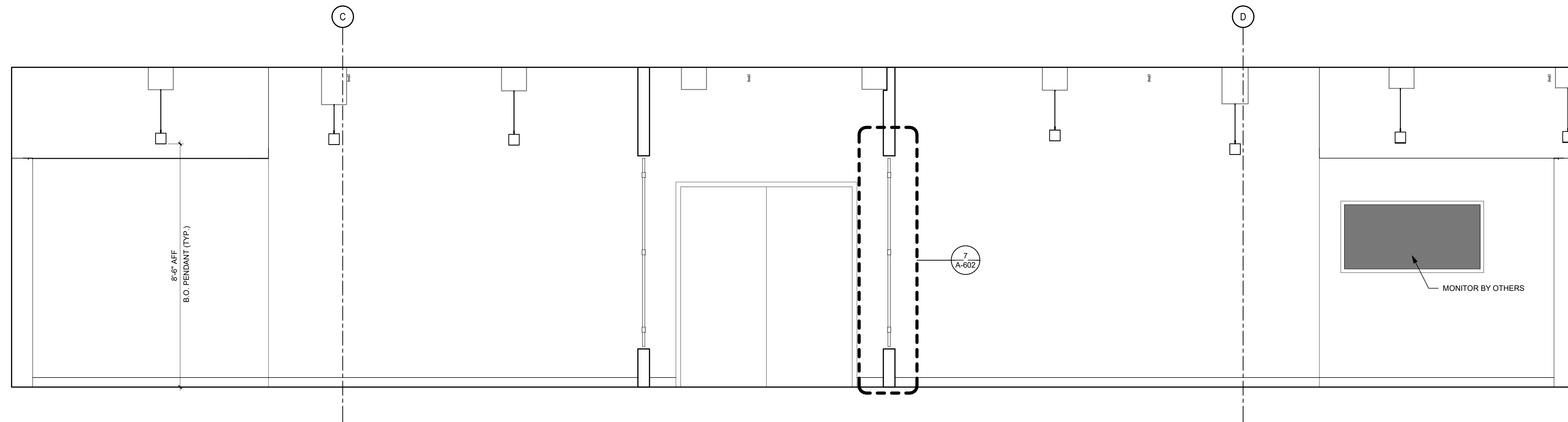
1 COLLABORATION - 08-011  
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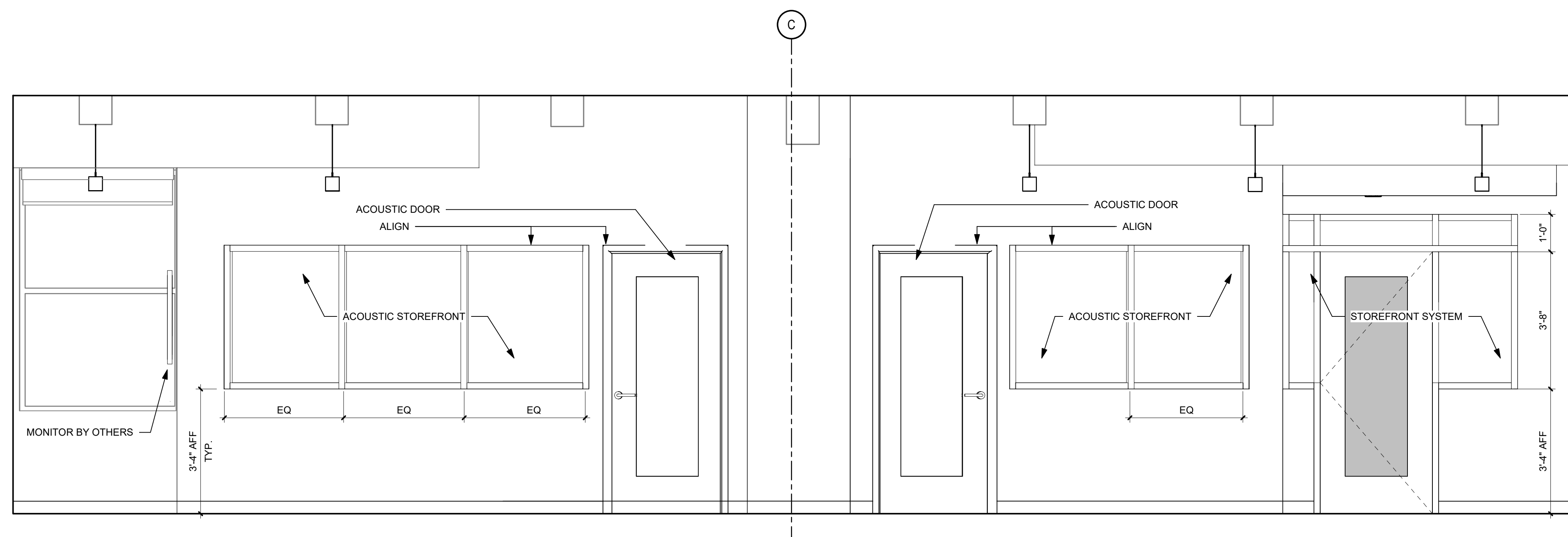
2 DEPUTY DIRECTOR 08-013  
SCALE: 1/2" = 1'-0"



3 DEPUTY DIRECTOR 08-013  
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4 OPERATIONS CORRIDOR WEST 08-002  
SCALE: 1/2" = 1'-0"



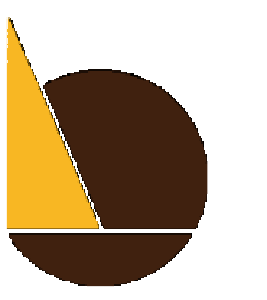
6 SMALL CONFERENCE 08-016 & G.I.S. MAPPING ROOM 08-017  
SCALE: 1/2" = 1'-0"



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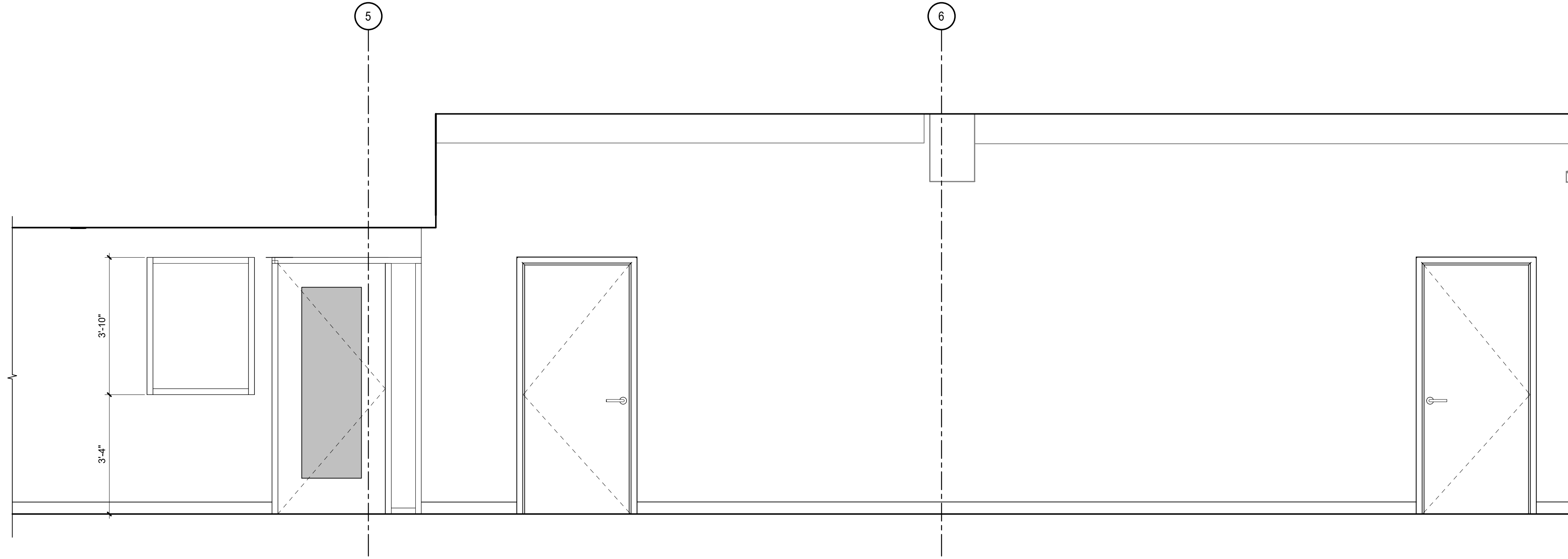
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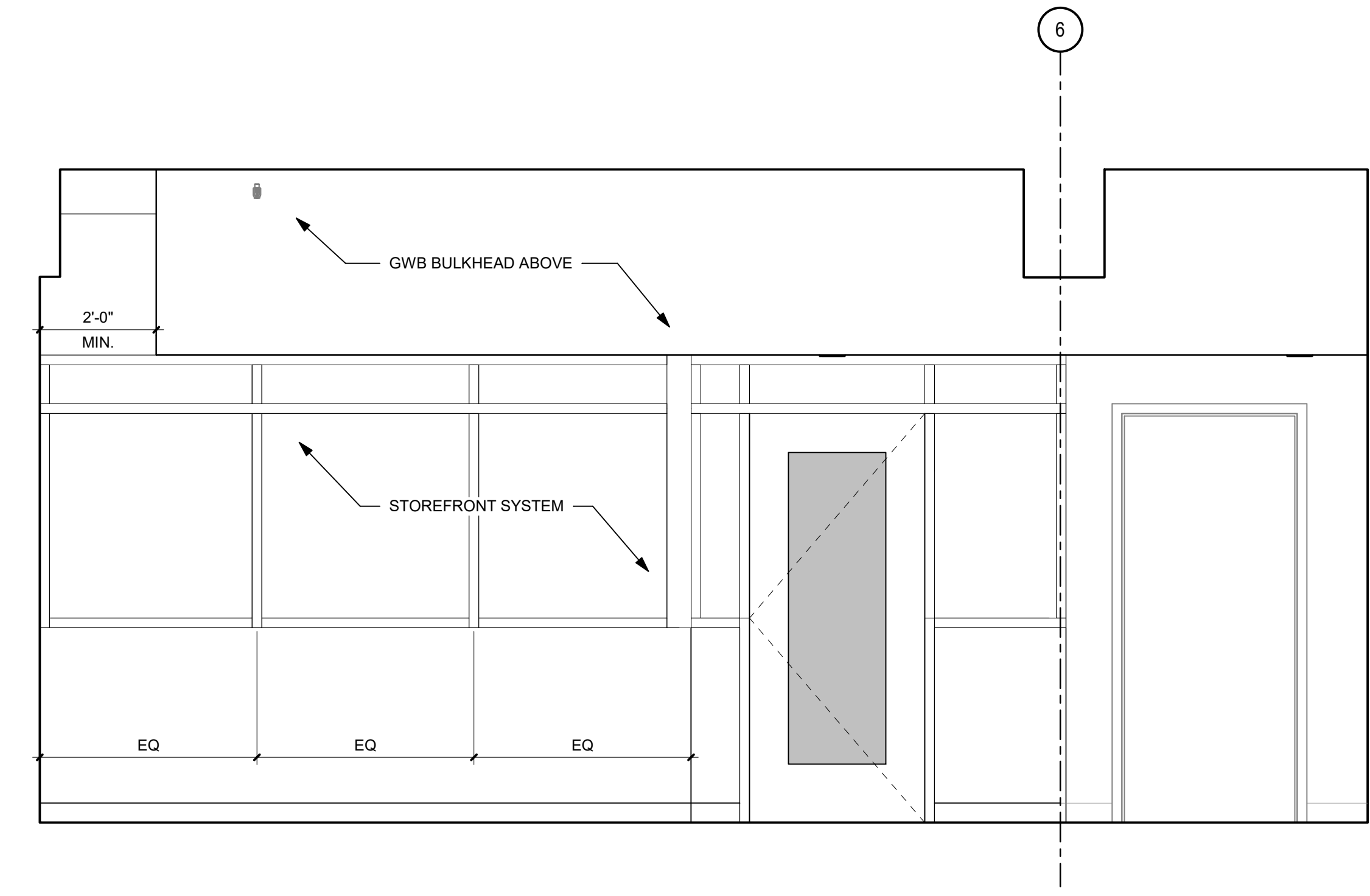
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DRAWING TITLE:  
INTERIOR  
ELEVATIONS

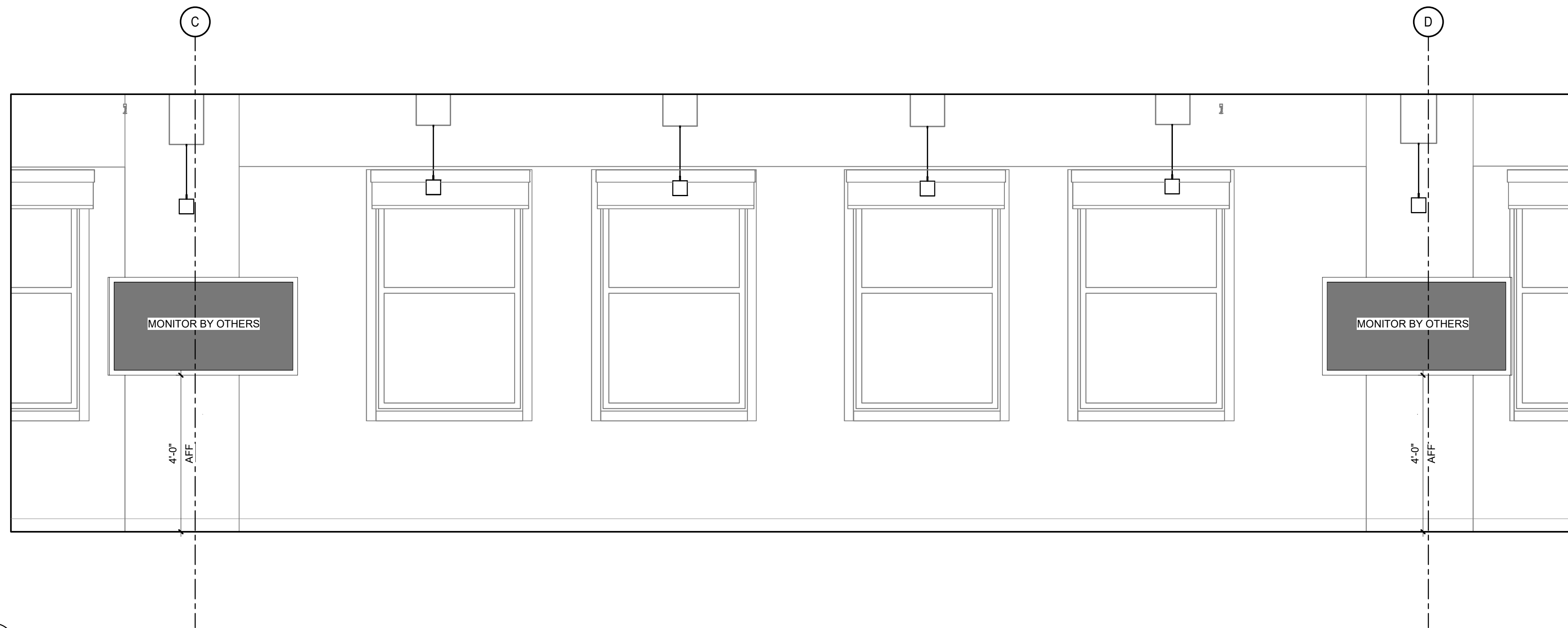
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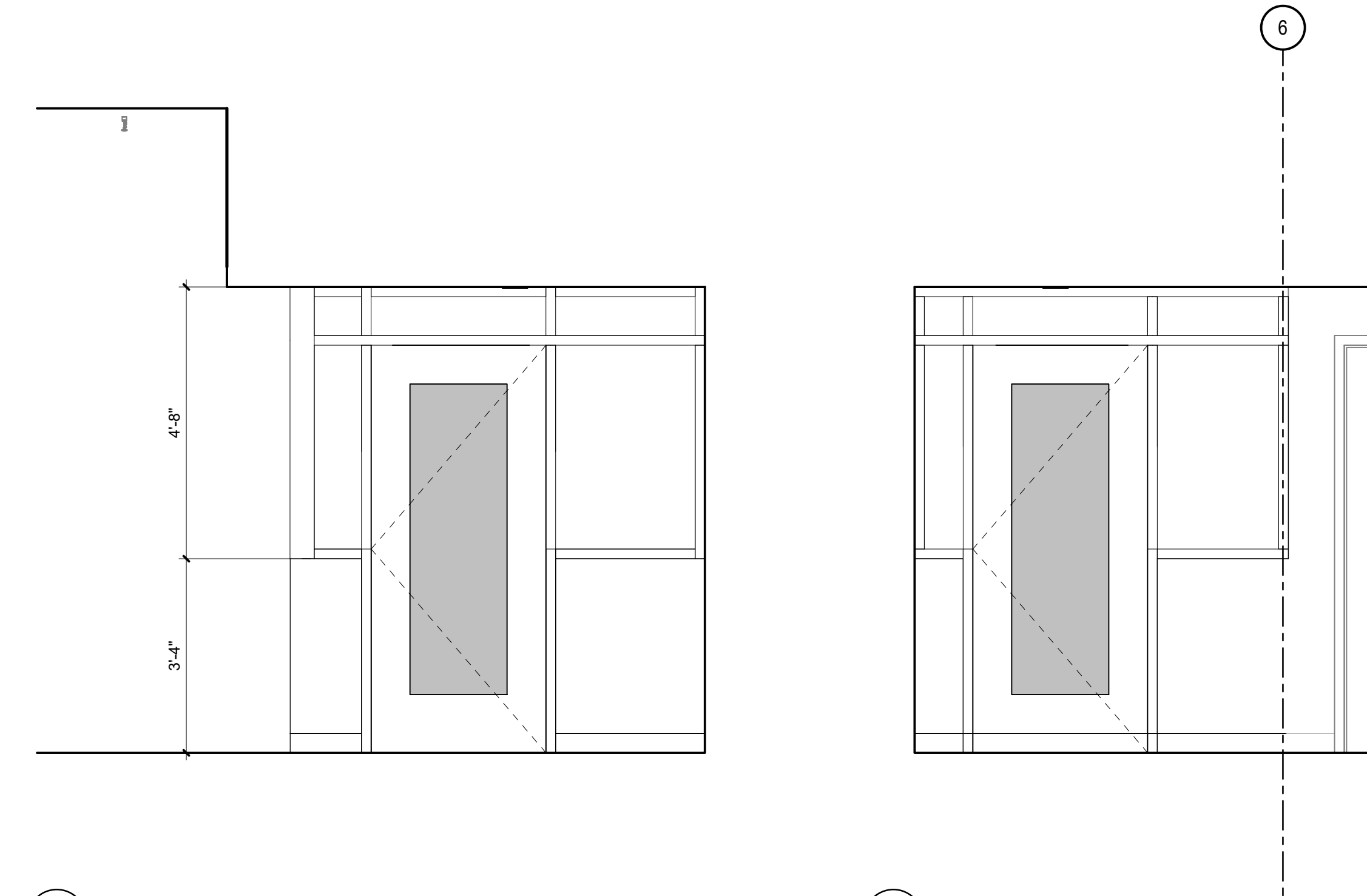
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SCALE: 1/2" = 1'-0"



2 DEPUTY DIRECTOR 08-024  
SCALE: 1/2" = 1'-0"

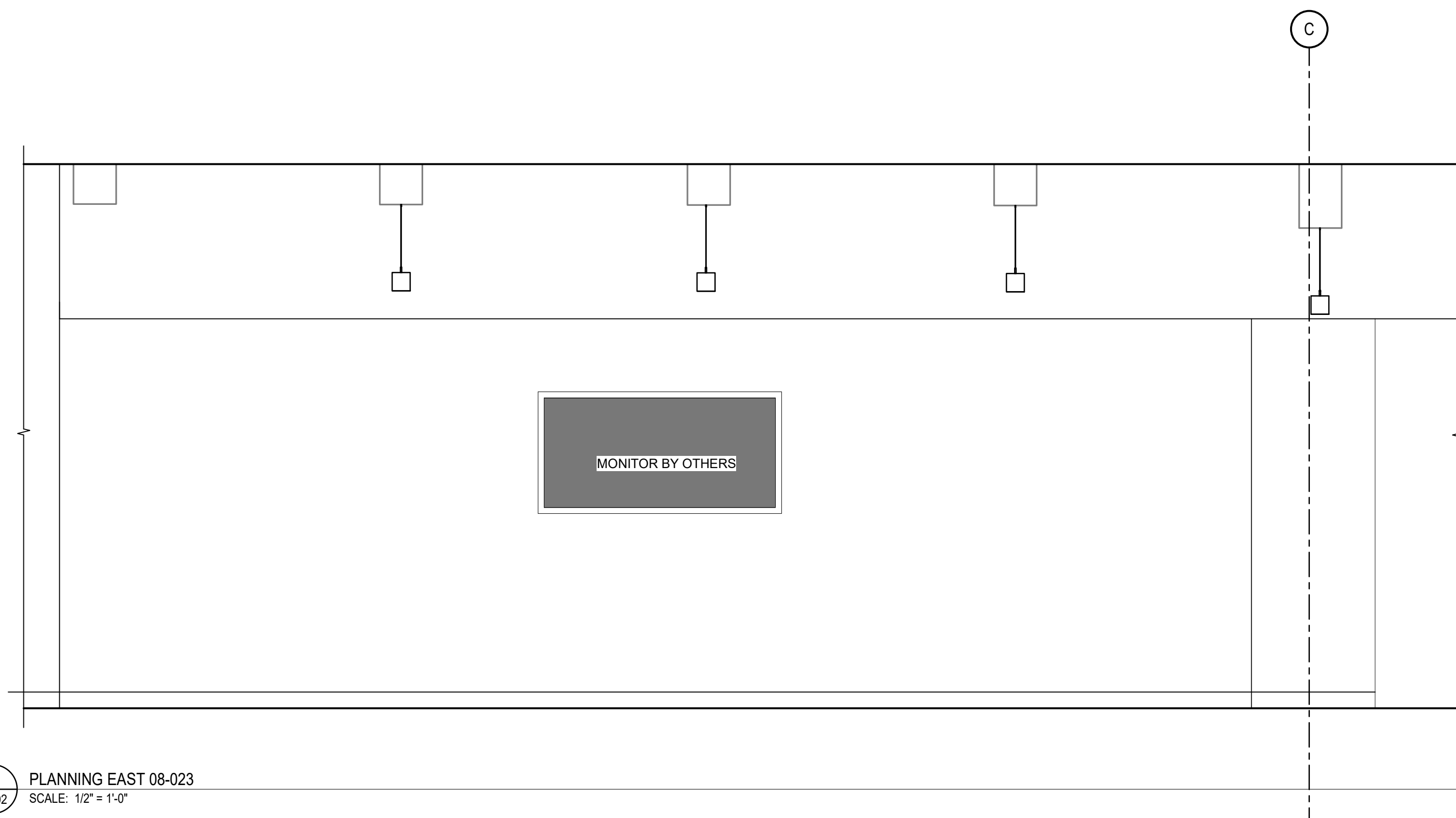


3 PLANNING WEST - 08-023  
SCALE: 1/2" = 1'-0"



5 DEPUTY DIRECTOR 08-024  
SCALE: 1/2" = 1'-0"

6 PHONE ROOM 08-025  
SCALE: 1/2" = 1'-0"



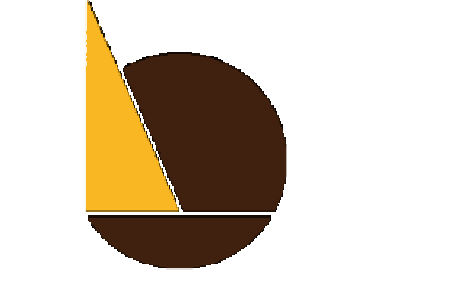
4 PLANNING EAST 08-023  
SCALE: 1/2" = 1'-0"



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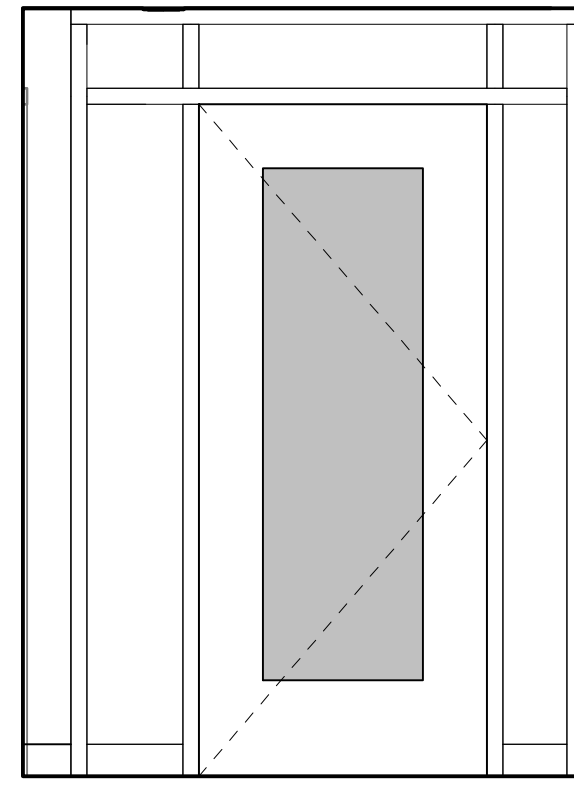
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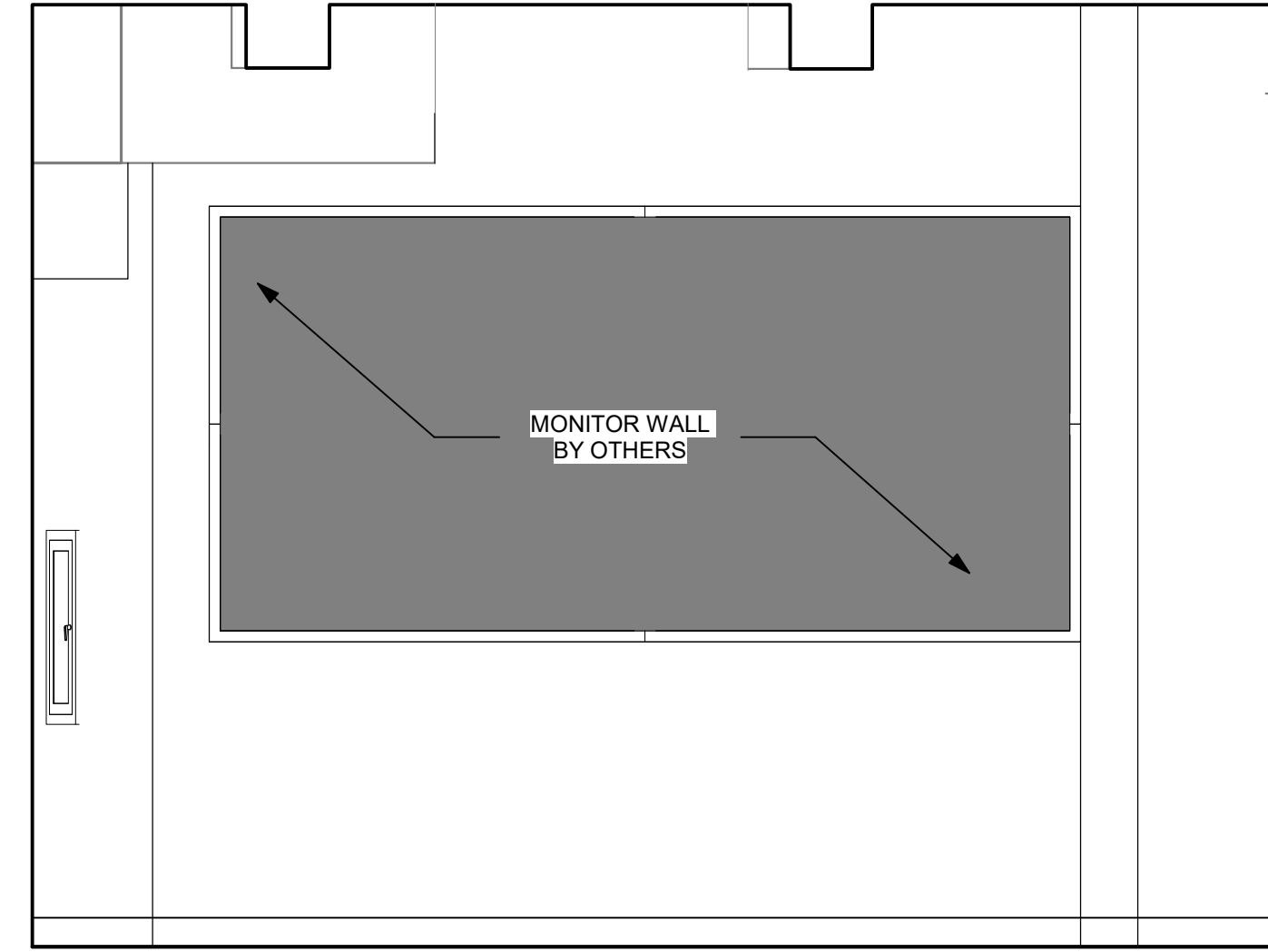
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ELEVATIONS

SHEET NO:  
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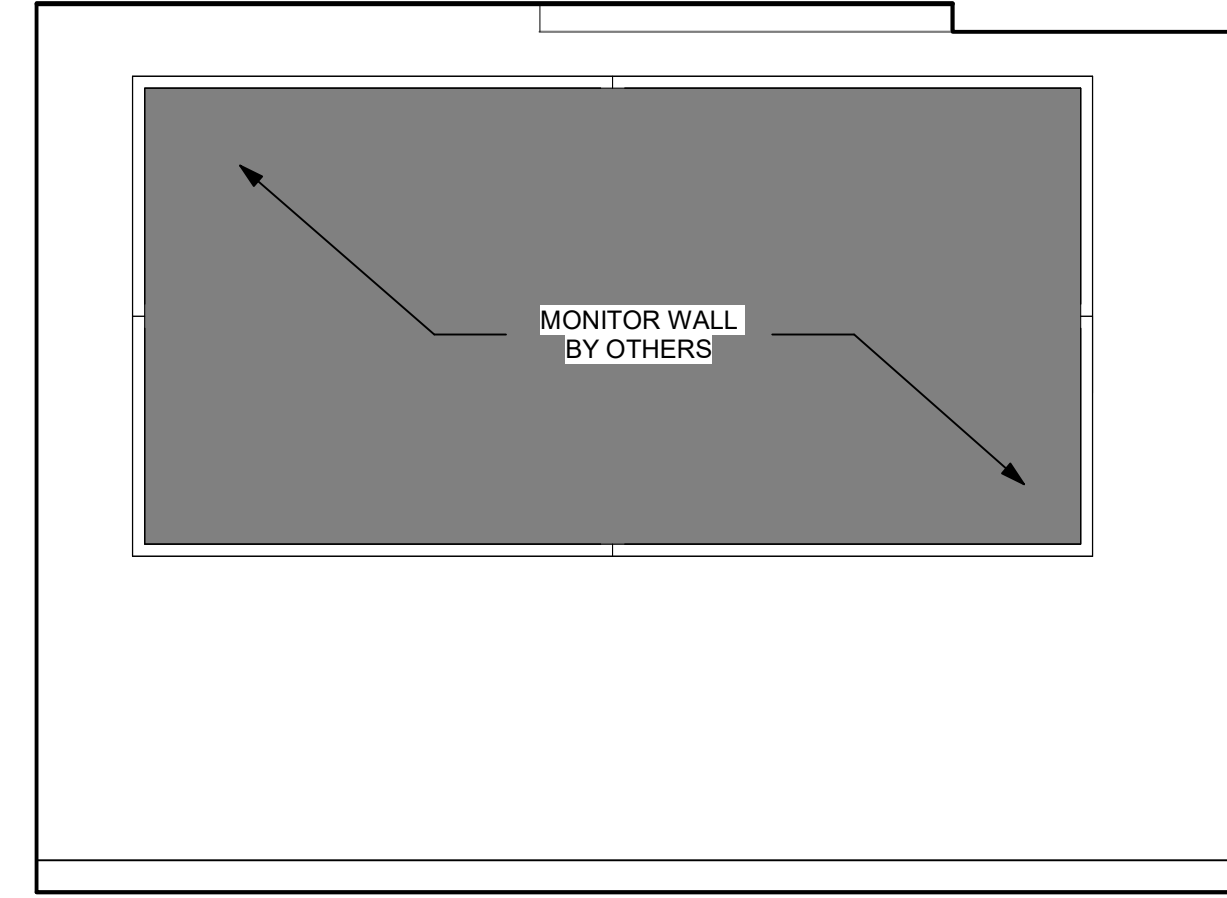
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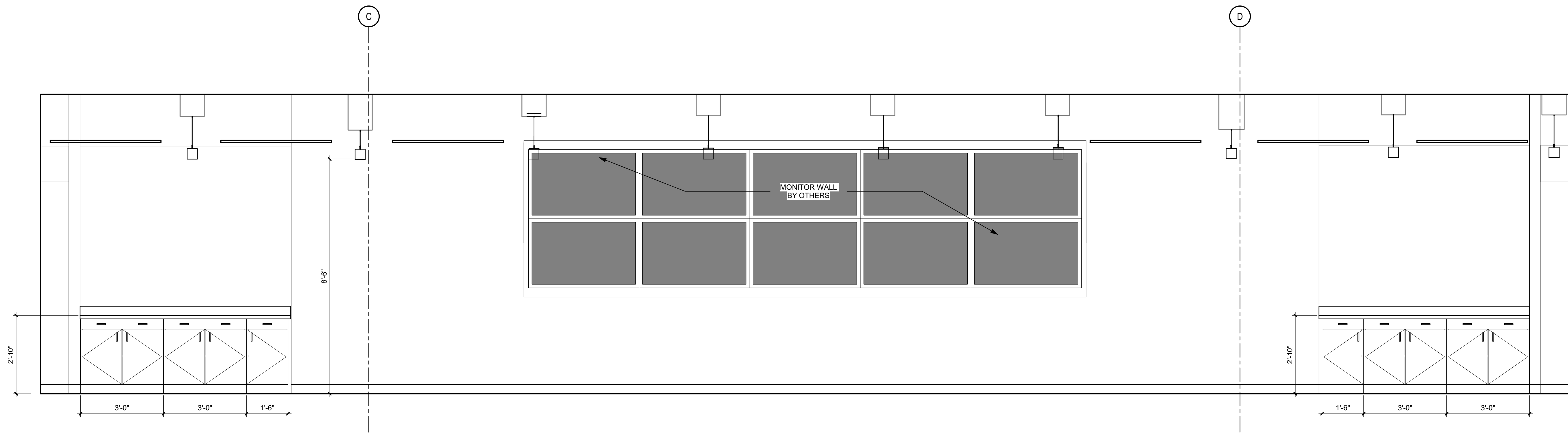
1 EMERGENCY OPERATIONS 09-002  
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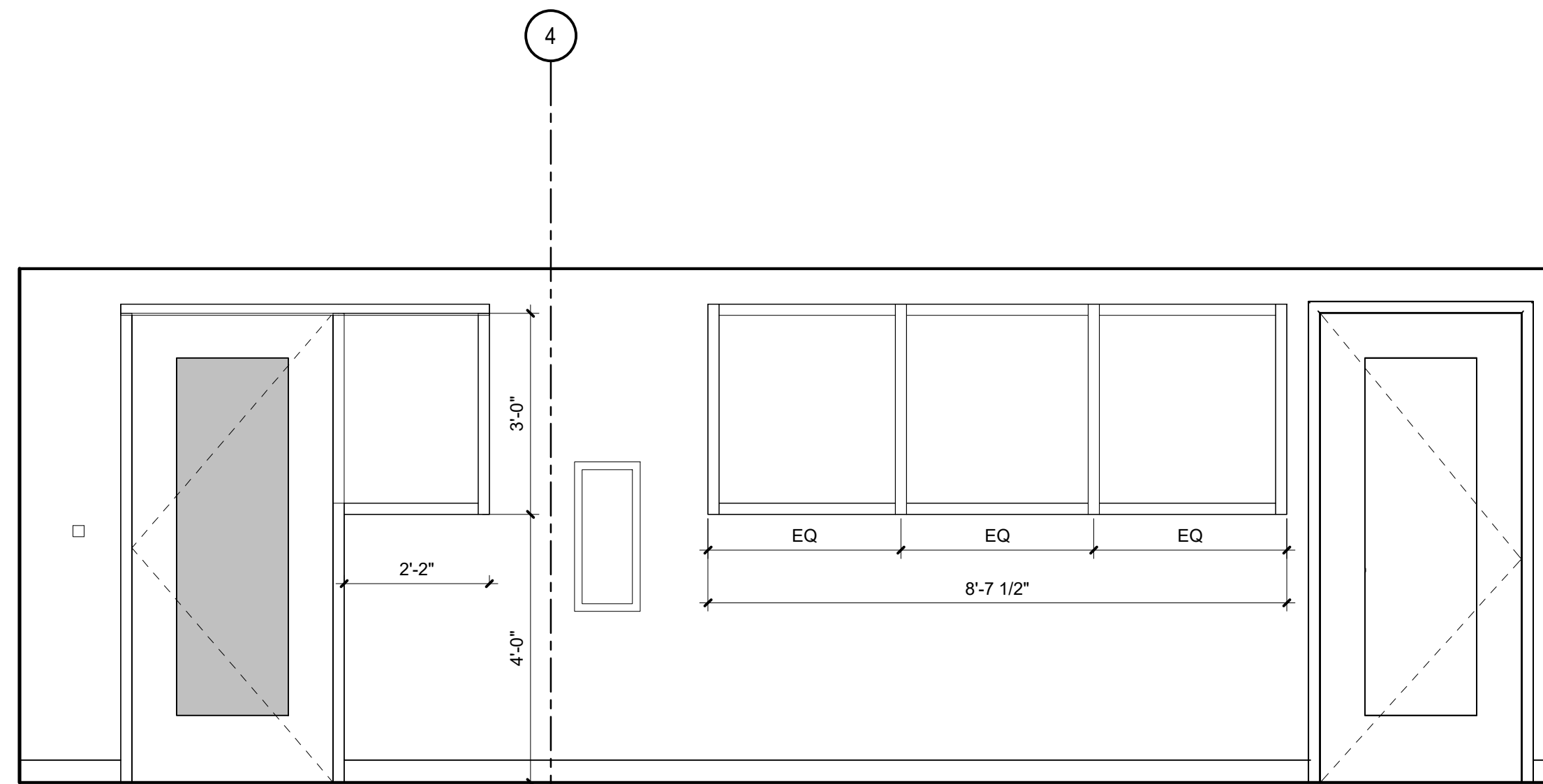
2 VIDEO WALL EOC NORTH 09-002  
A-503 SCALE: 1/2" = 1'-0"



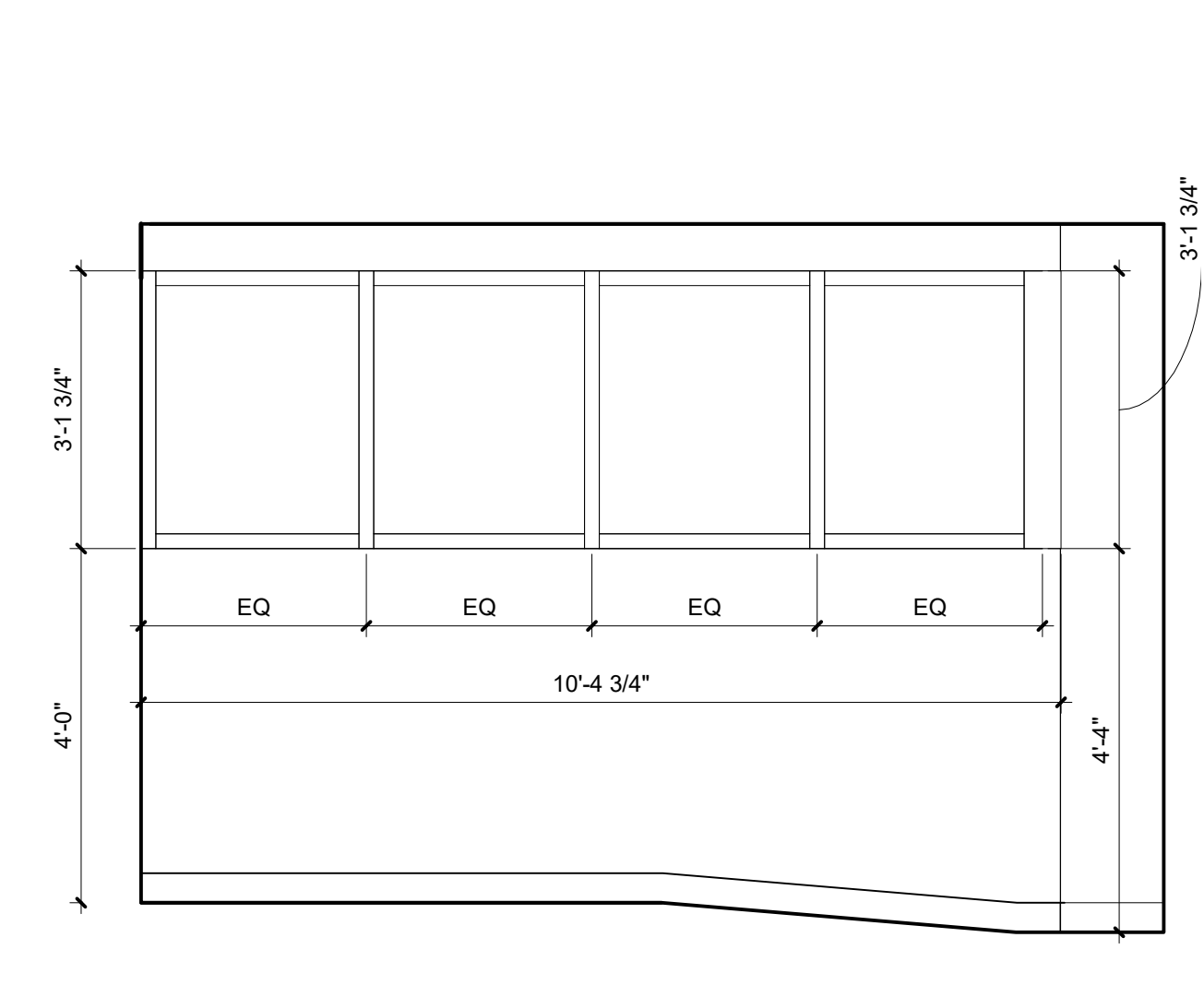
4 VIDEO WALL EOC SOUTH 09-002  
A-503 SCALE: 1/2" = 1'-0"



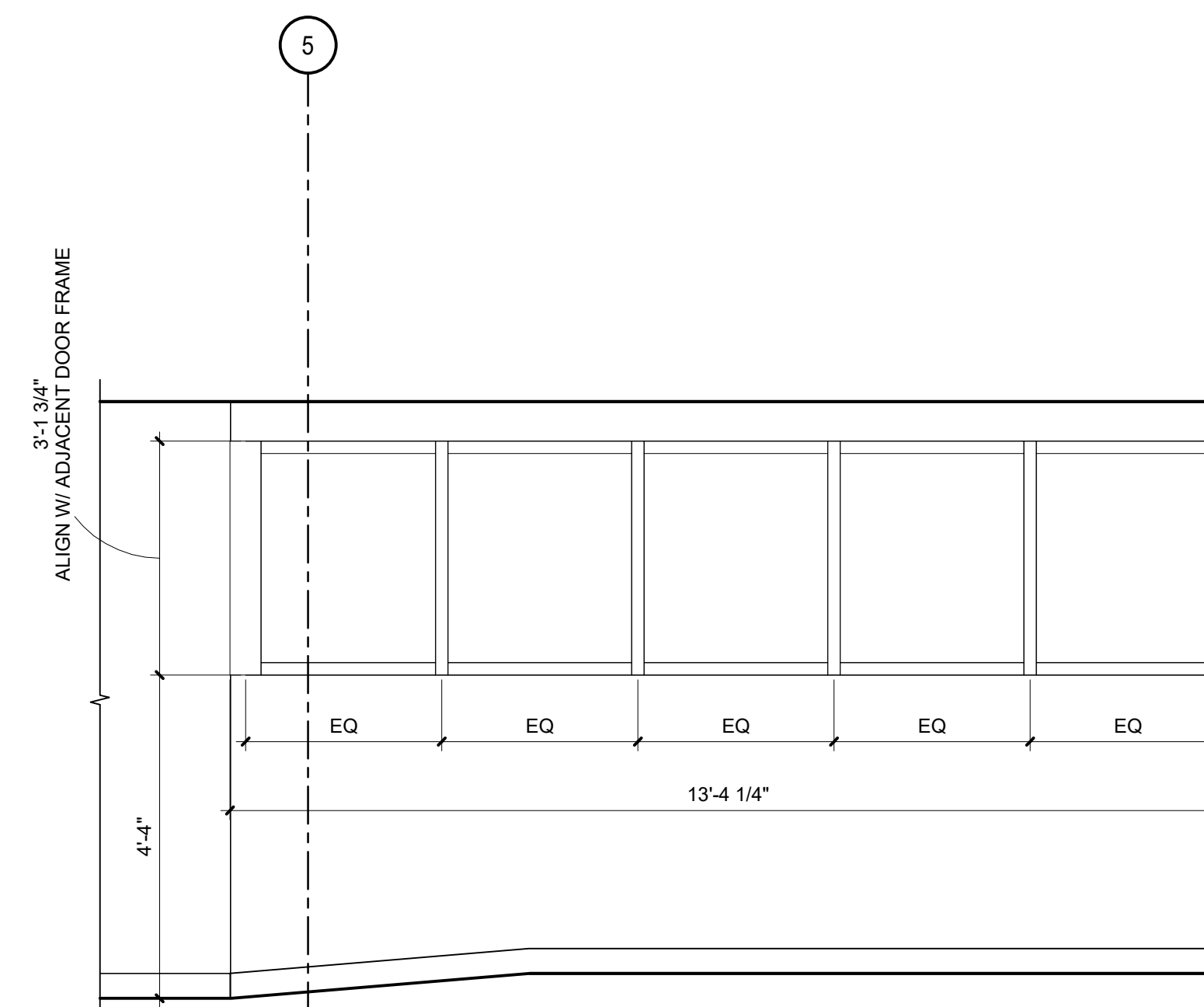
3 VIDEO WALL EOC WEST 09-002  
A-503 SCALE: 1/2" = 1'-0"



5 PANTRY 09-012 & LOGISTICS CENTER 09-013  
A-503 SCALE: 1/2" = 1'-0"



6 LOGISTICS CENTER 09-013  
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7 LOGISTICS CENTER 09-013  
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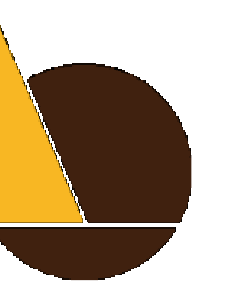
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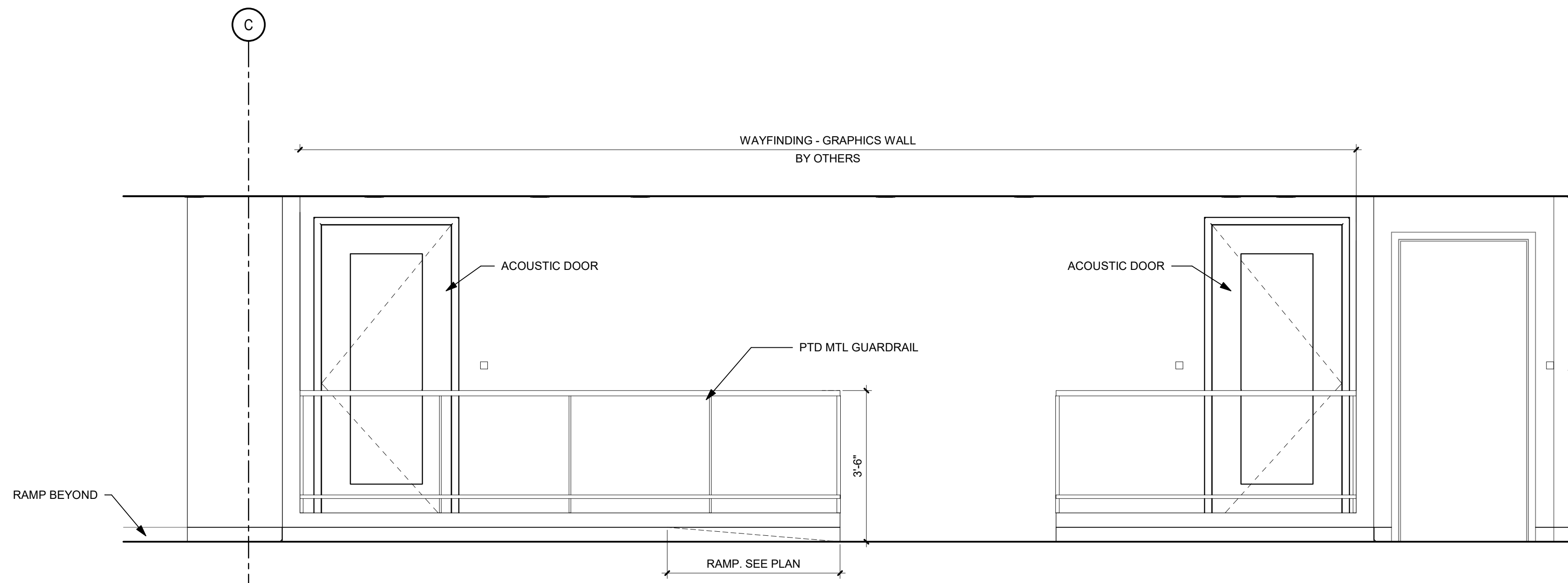
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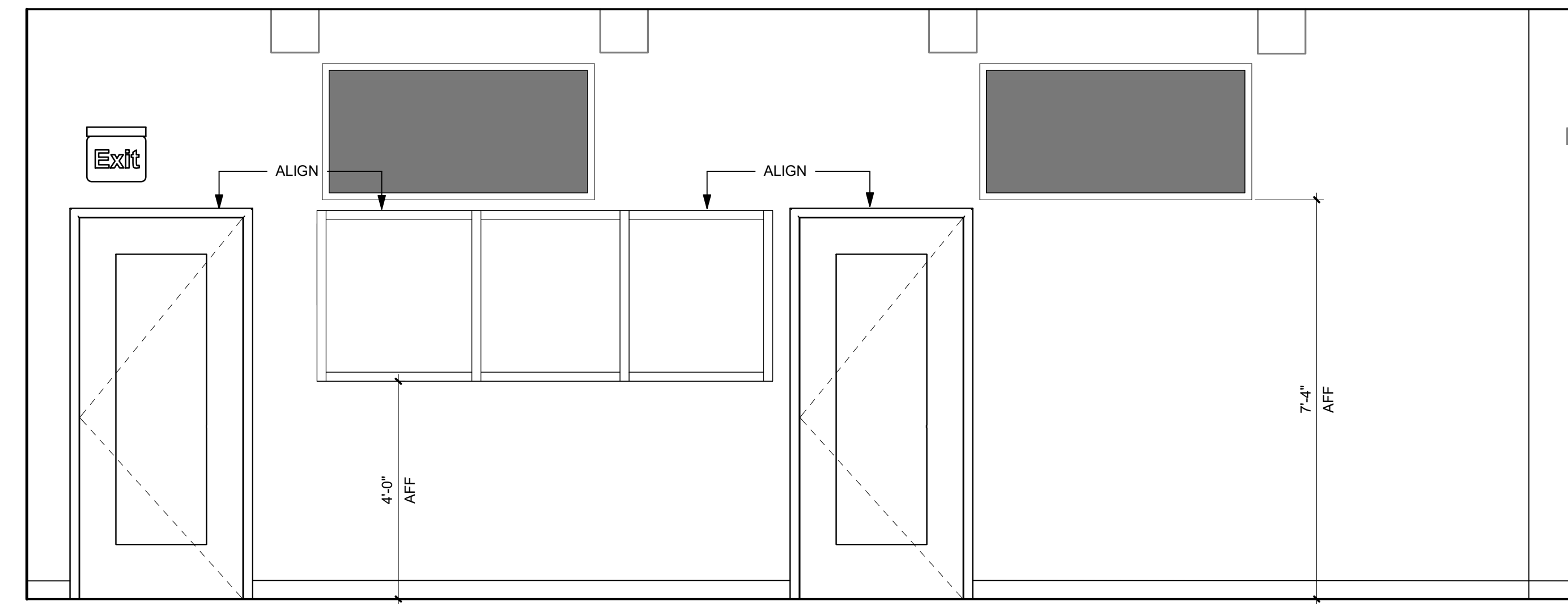
DRAWING TITLE:  
INTERIOR  
ELEVATIONS

SHEET NO:  
A-503

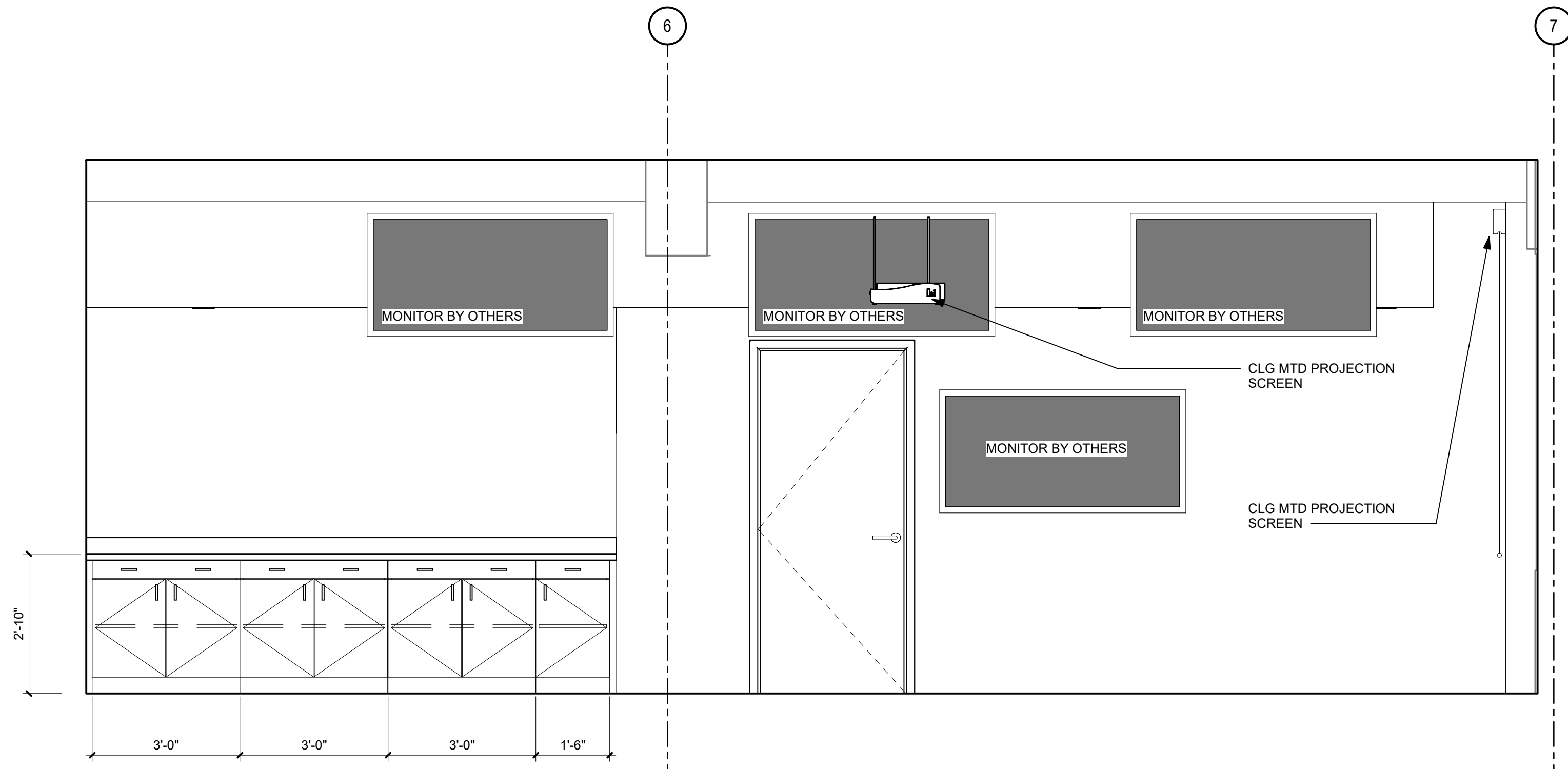
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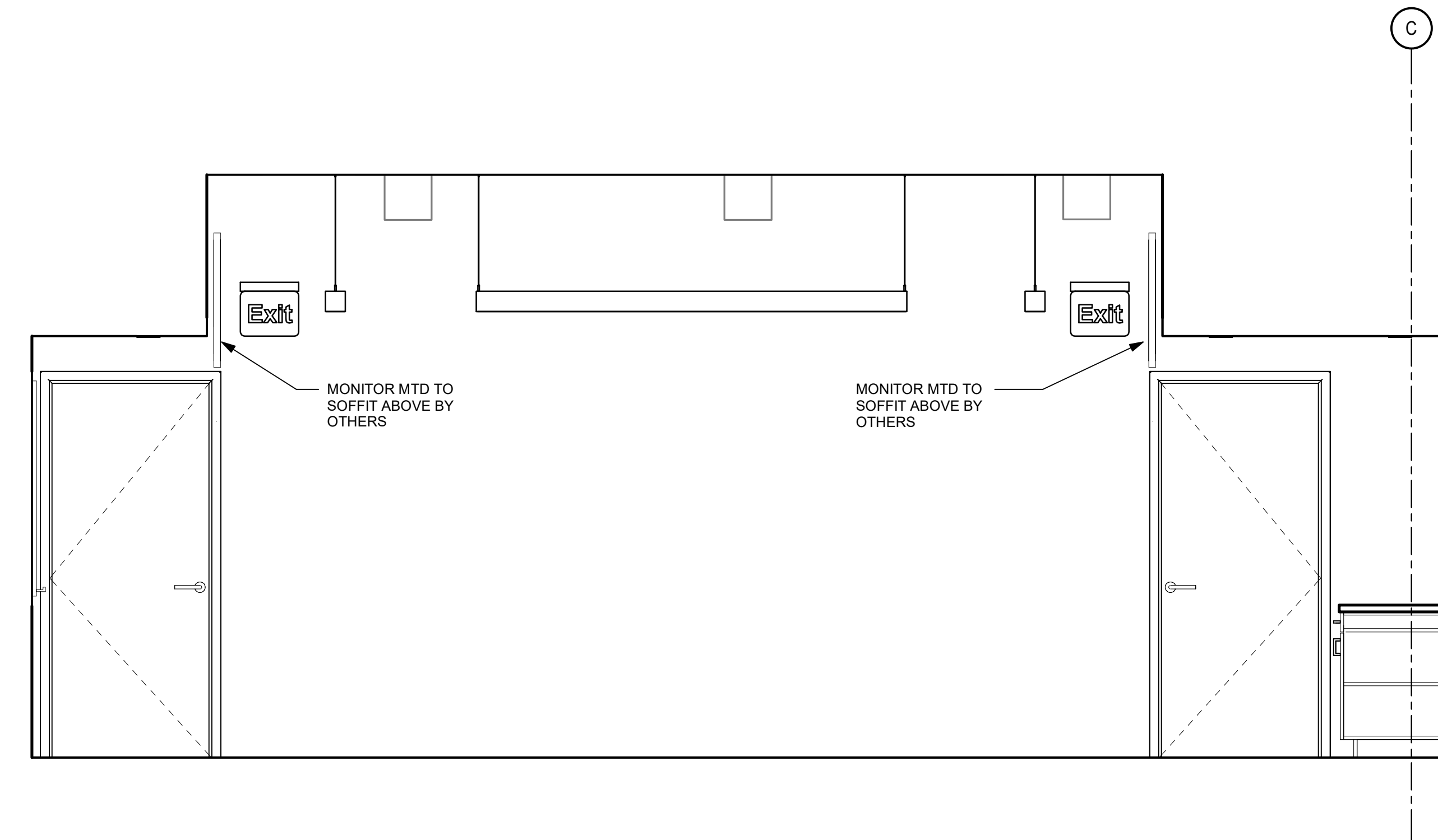
1 CORRIDOR 09-001 @ SITUATION ROOM 09-016  
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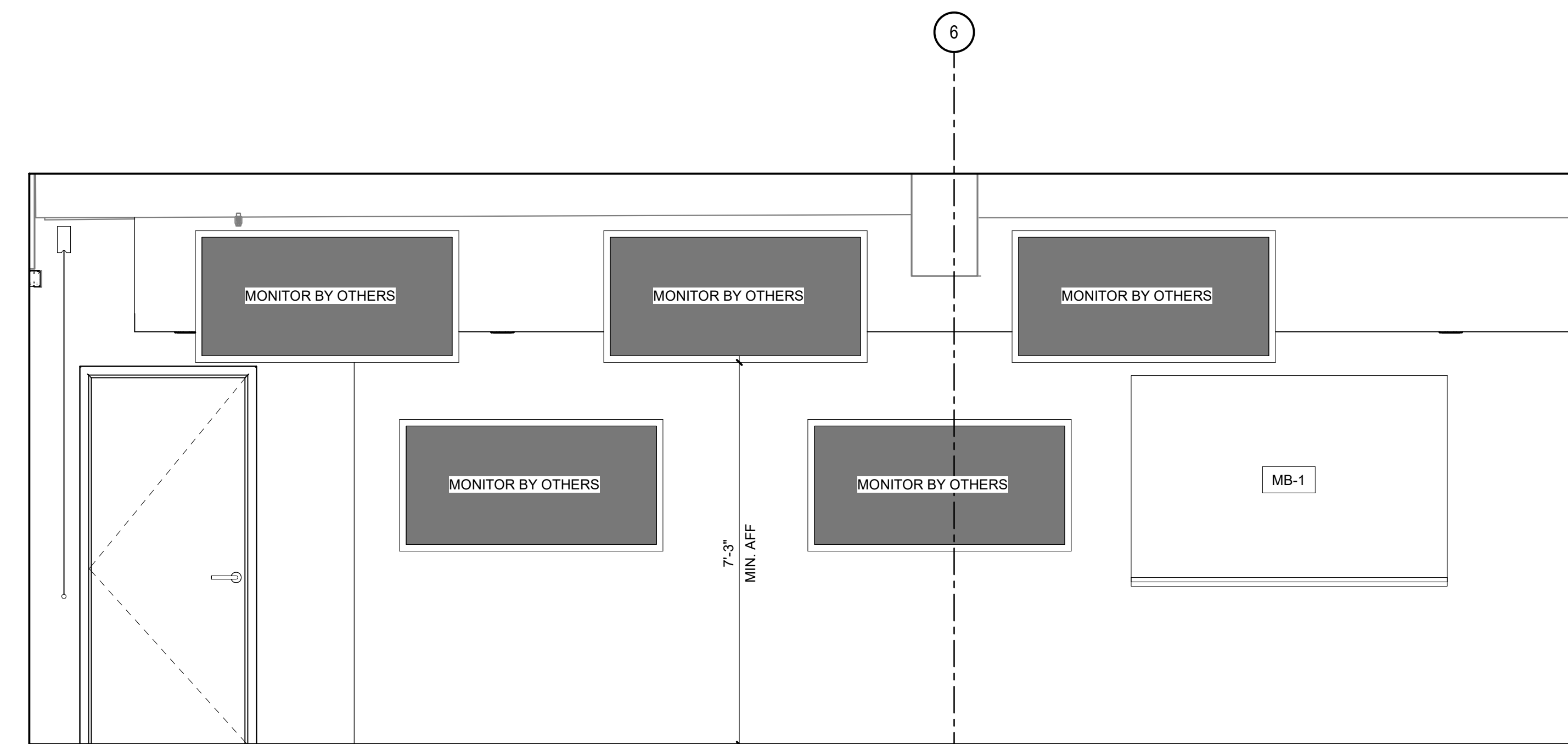
2 JOINT INFORMATION CENTER - EAST 09-015  
SCALE: 1/2" = 1'-0"



3 SITUATION ROOM - SOUTH 09-016  
SCALE: 1/2" = 1'-0"



4 SITUATION ROOM - EAST 09-016  
SCALE: 1/2" = 1'-0"



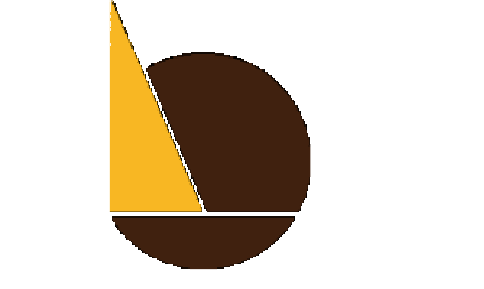
5 SITUATION ROOM - NORTH 09-016  
SCALE: 1/2" = 1'-0"



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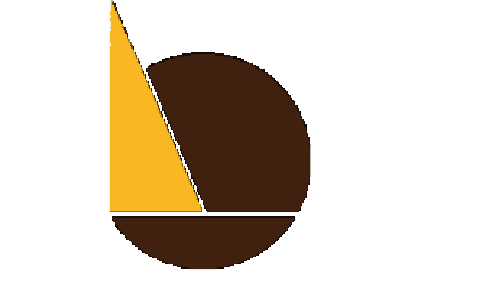
SHEET NO:  
**A-504**



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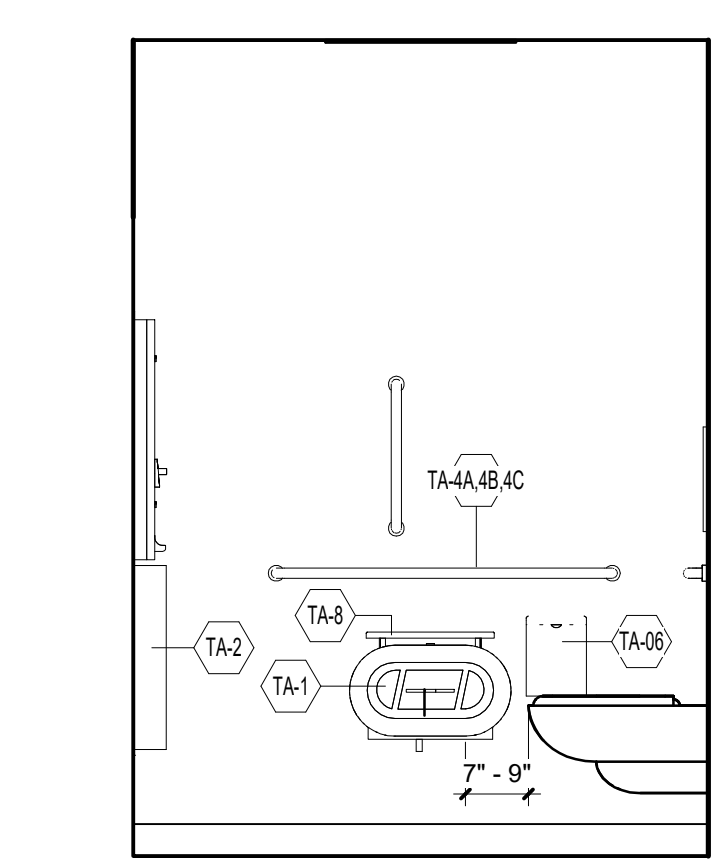
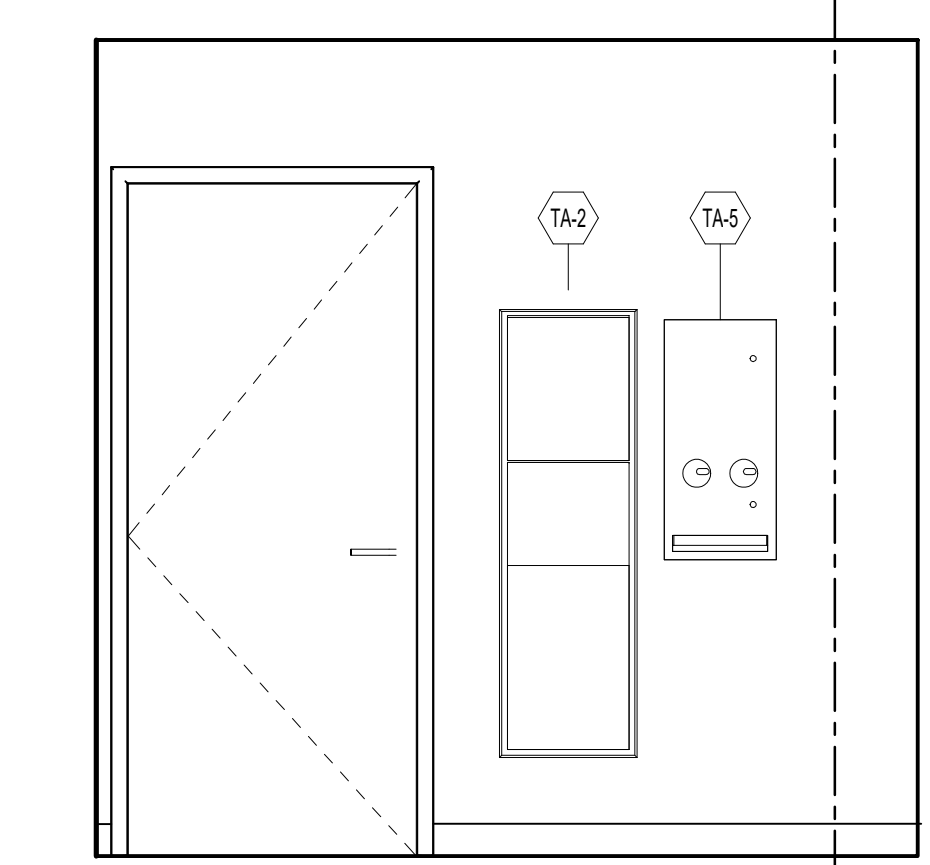
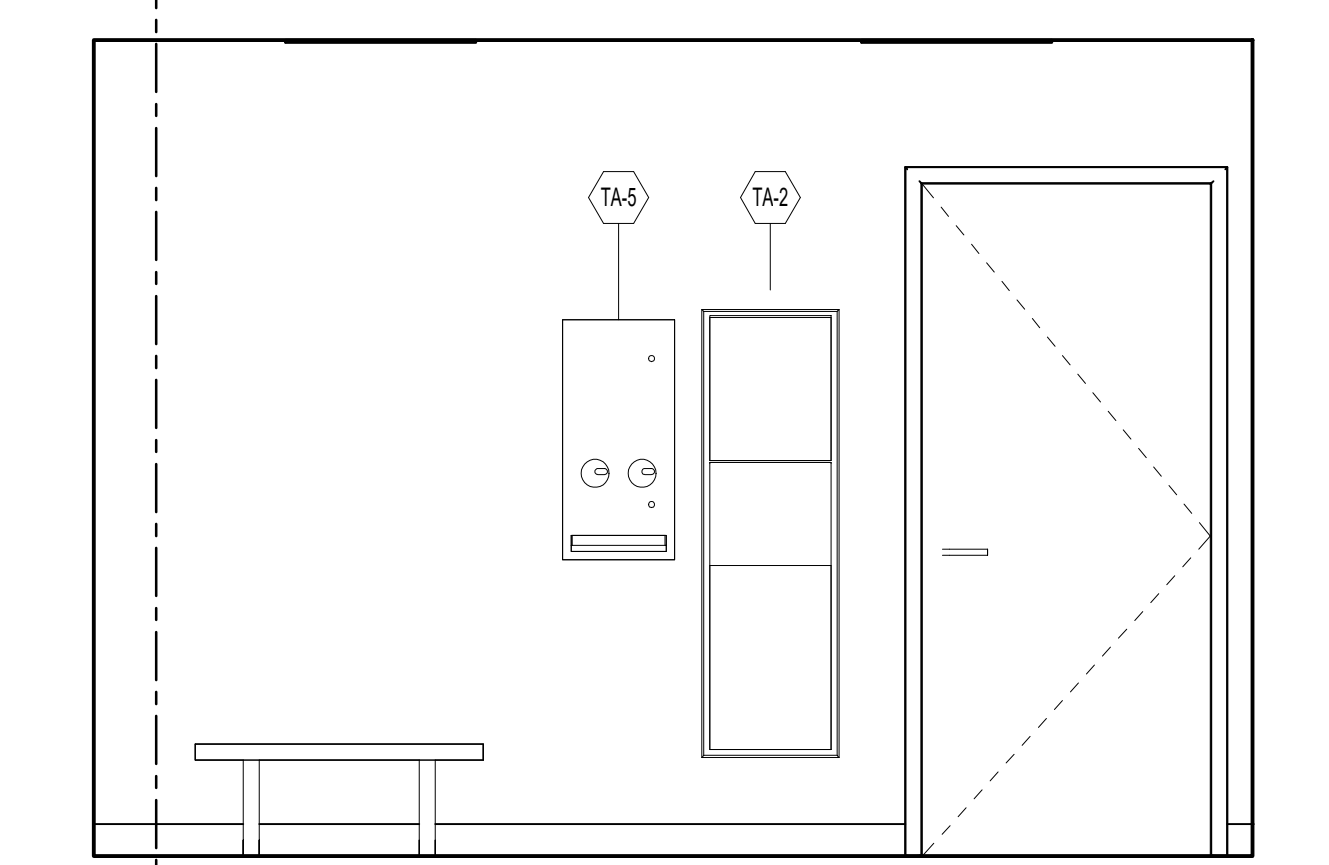
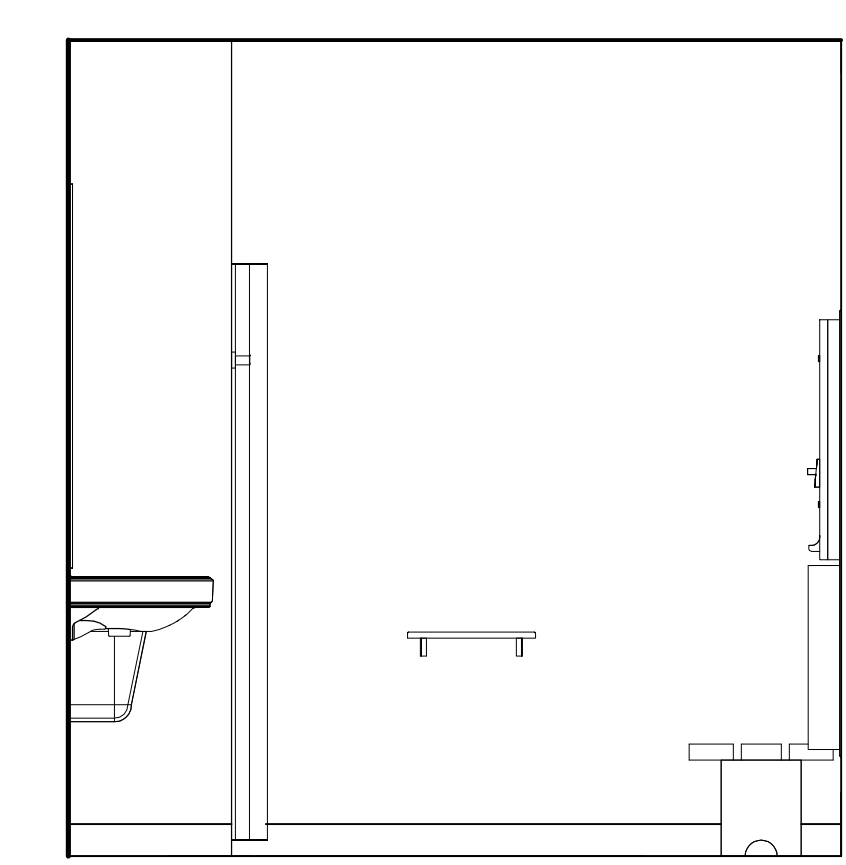
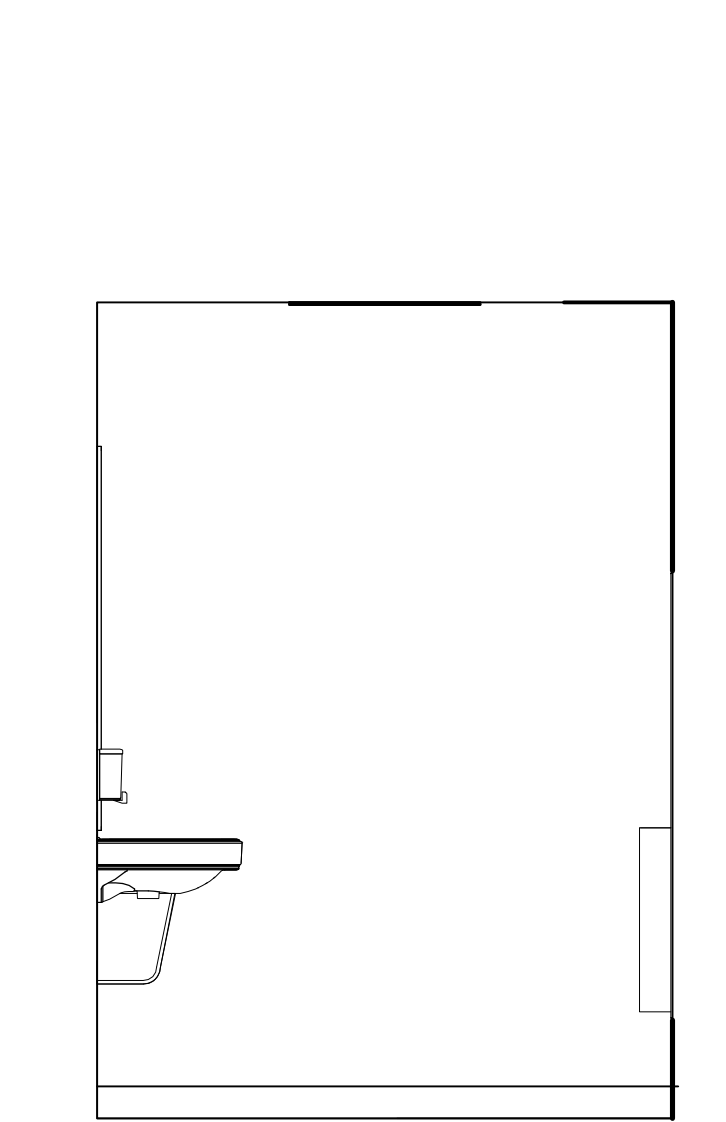
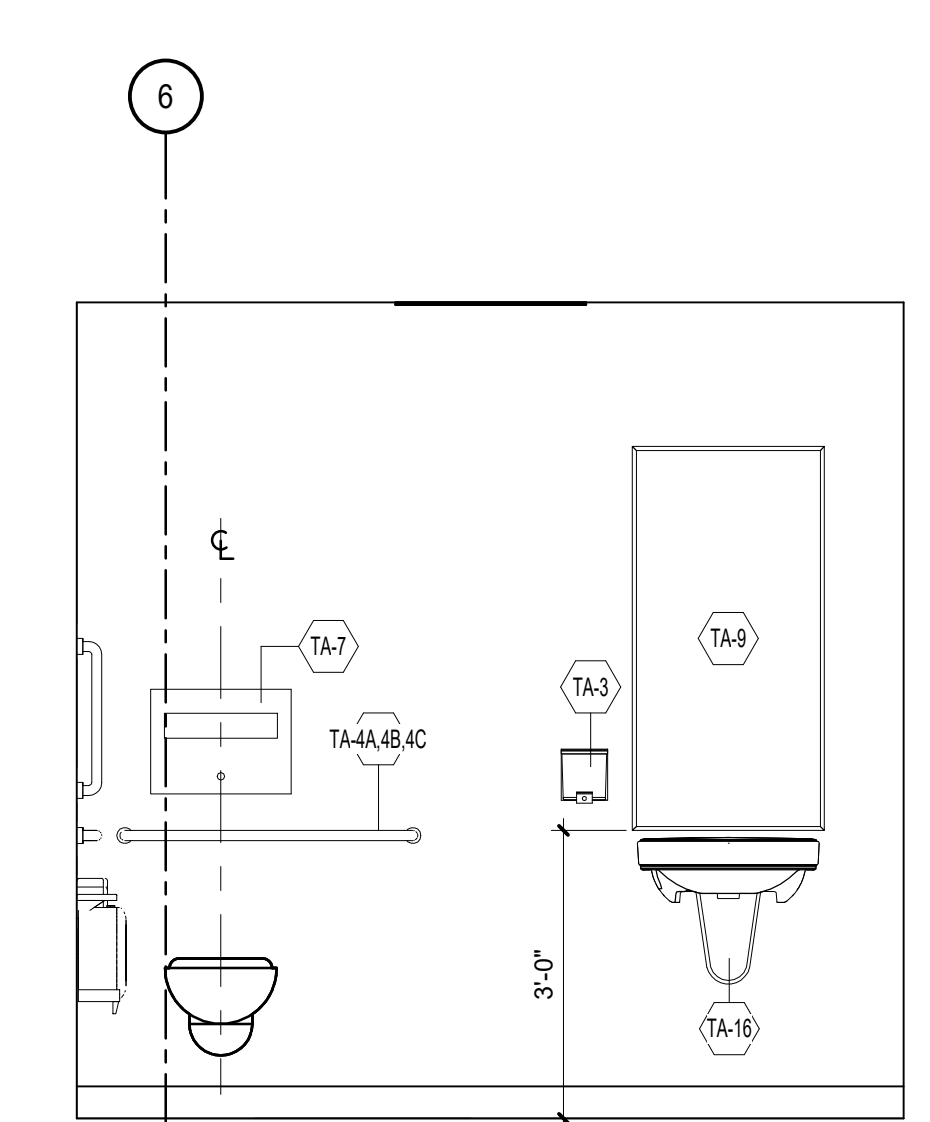
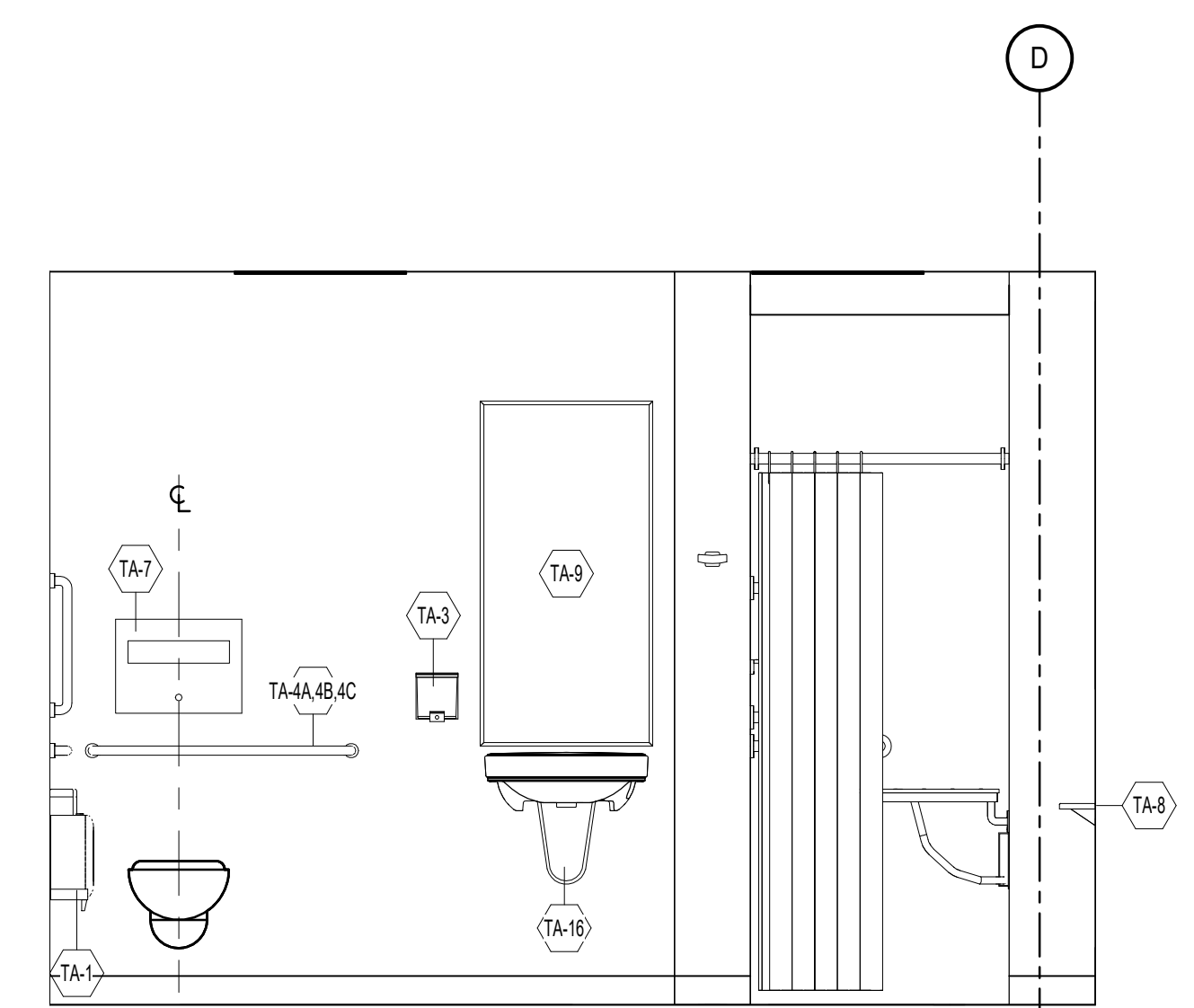
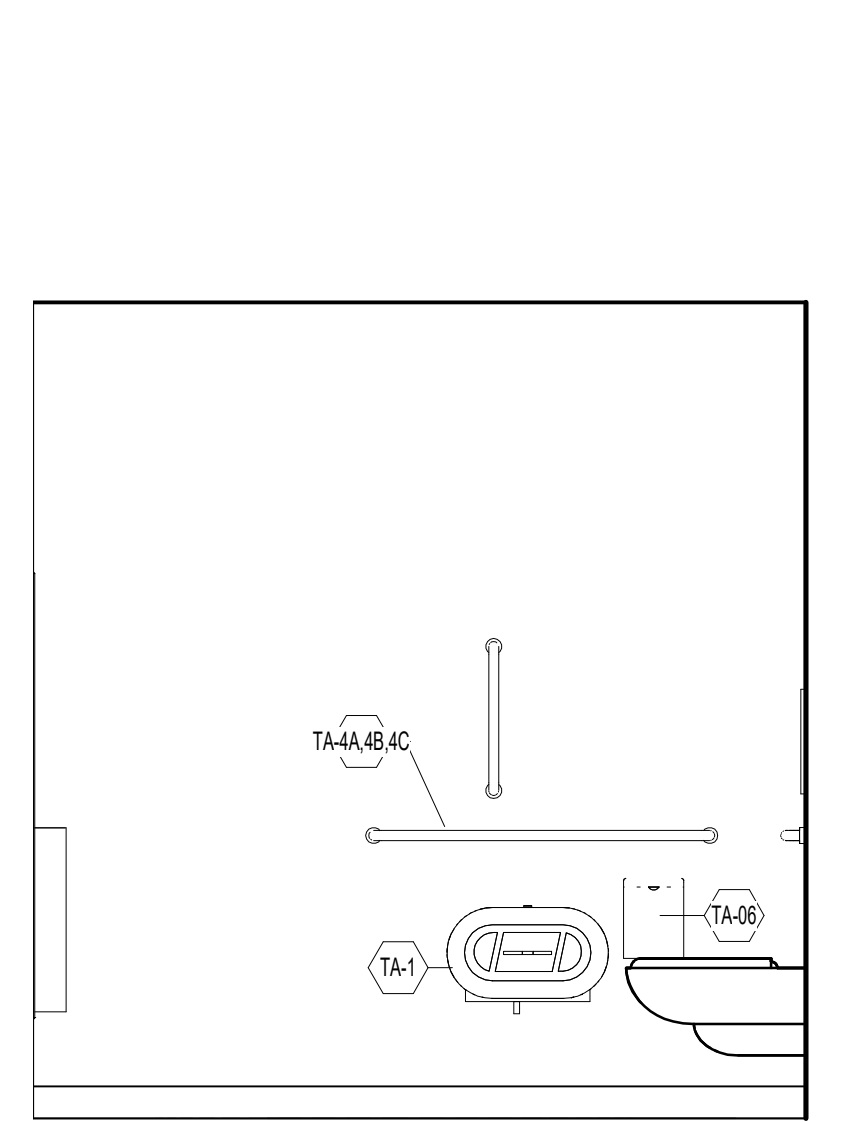
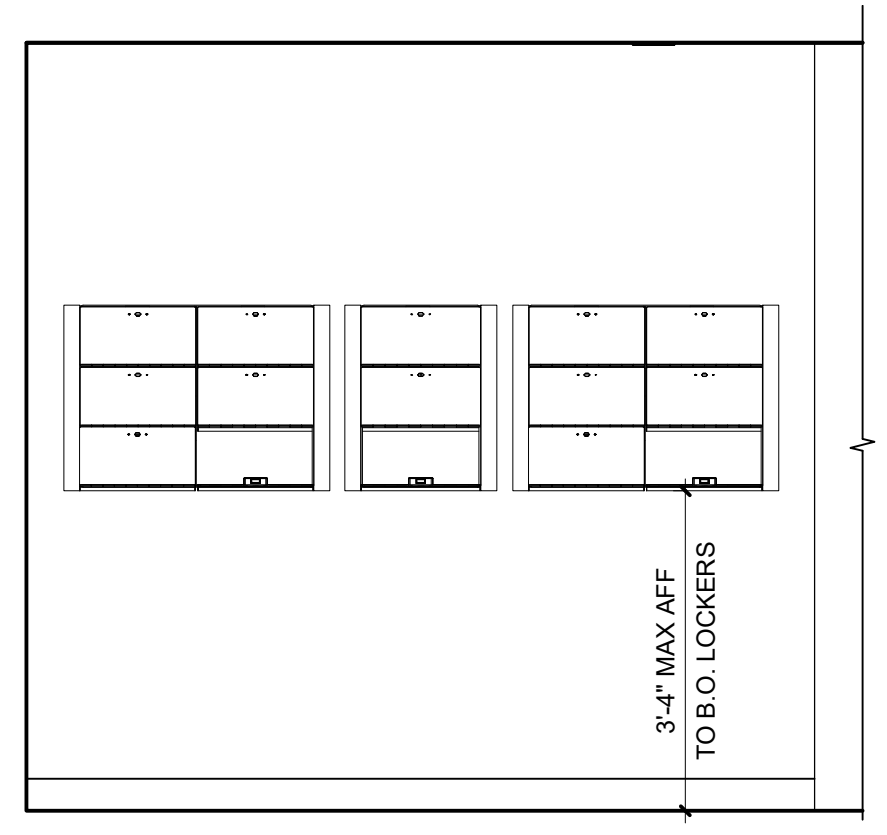
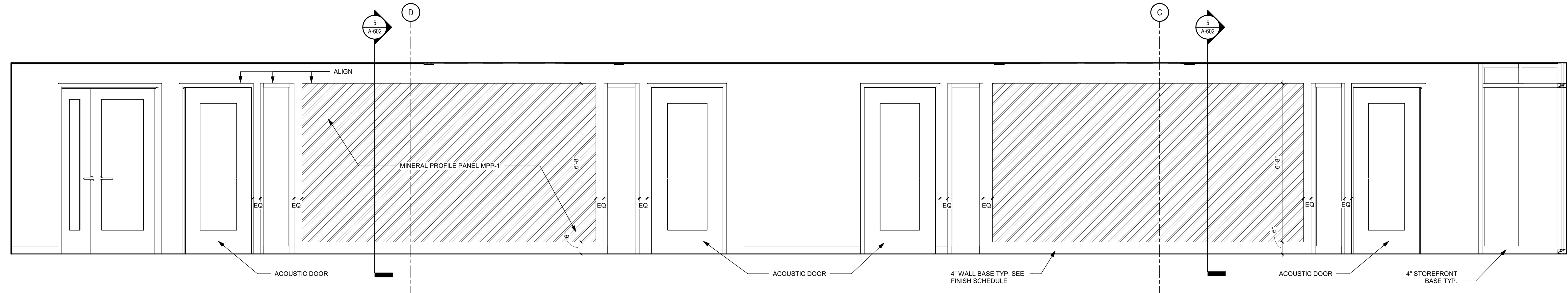
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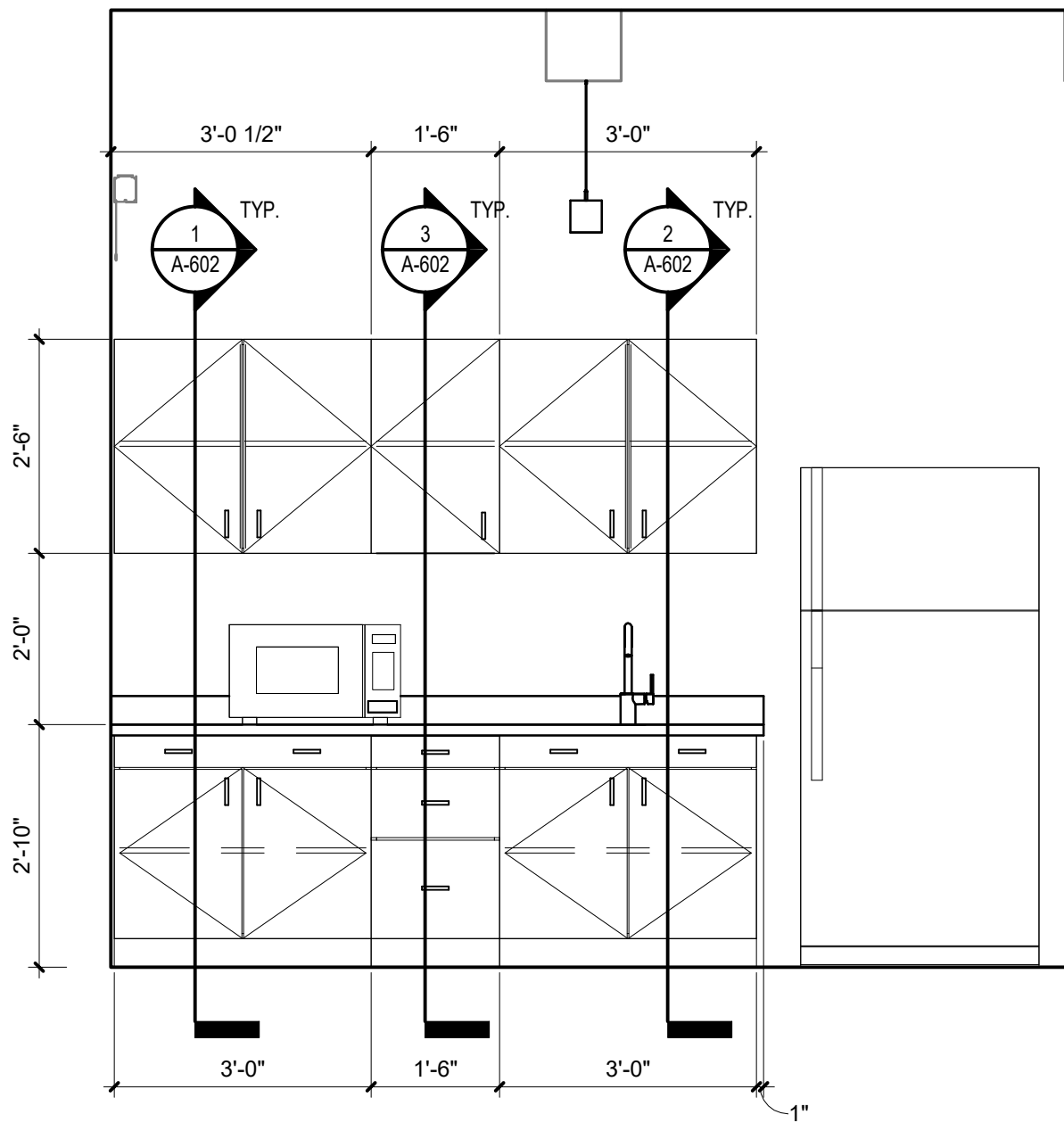
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ELEVATIONS**

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**A-505**

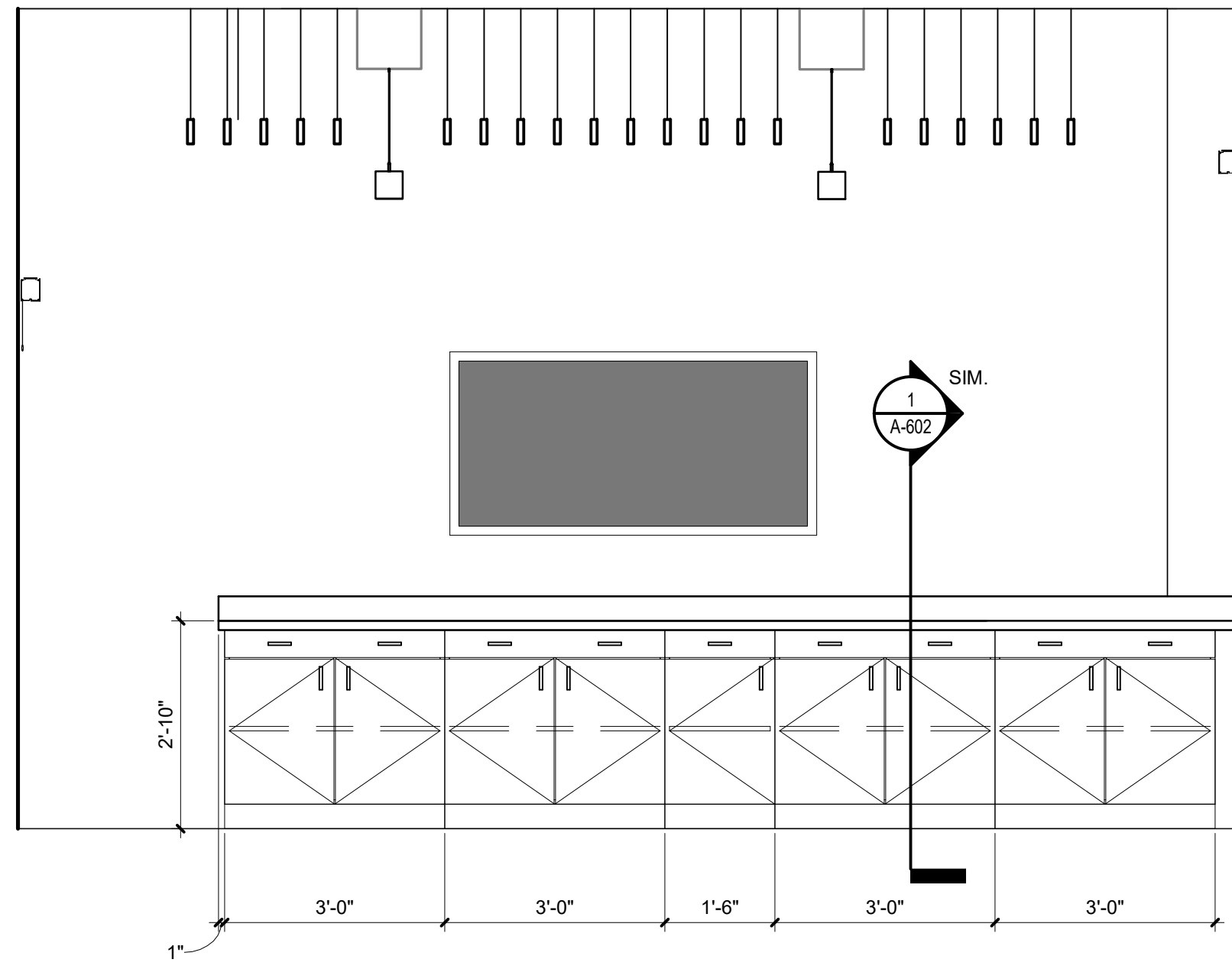
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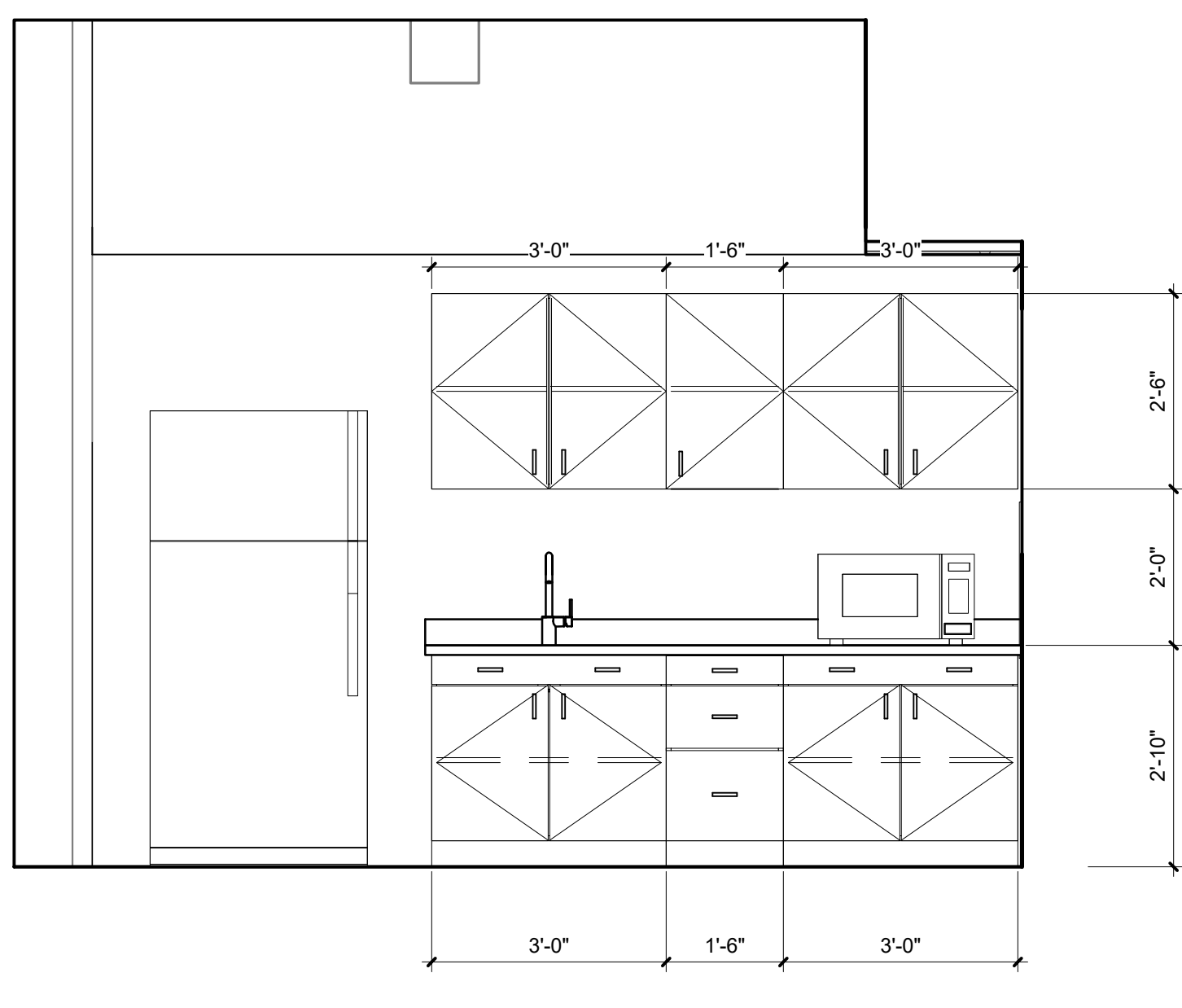
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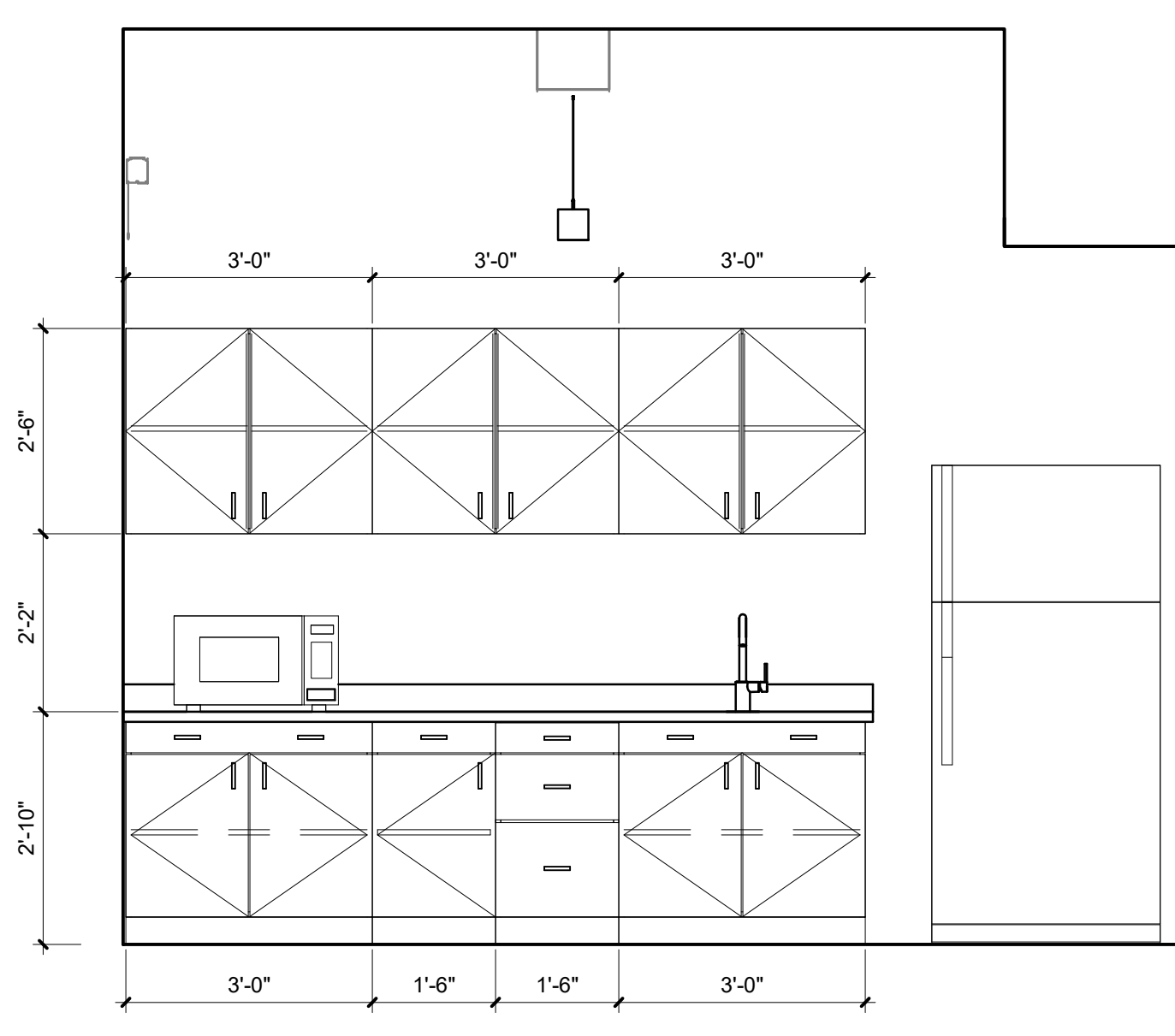
1 BREAK ROOM 08-020  
A-506 SCALE: 1/2" = 1'-0"



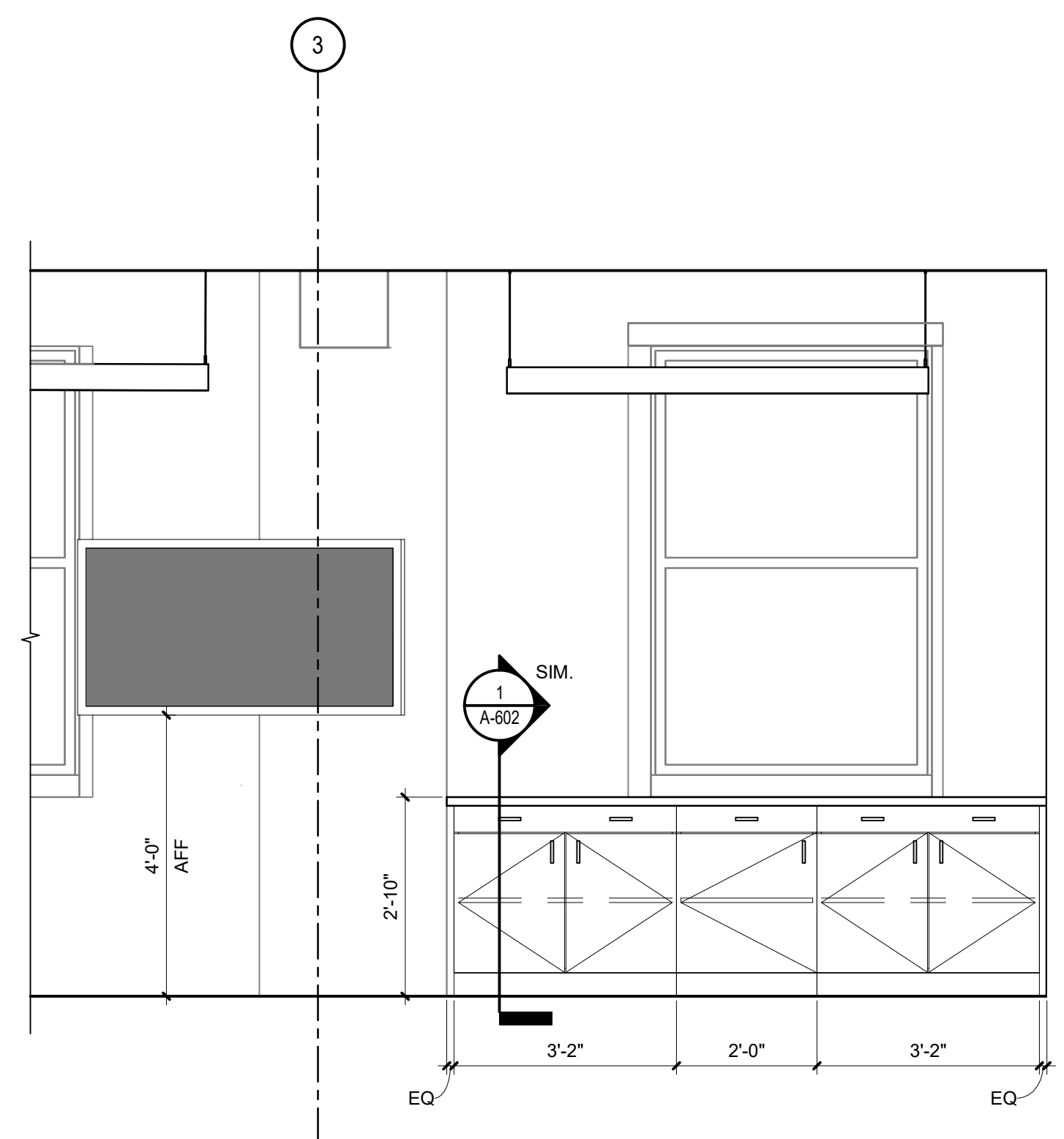
2 LARGE CONFERENCE - 08-022  
A-506 SCALE: 1/2" = 1'-0"



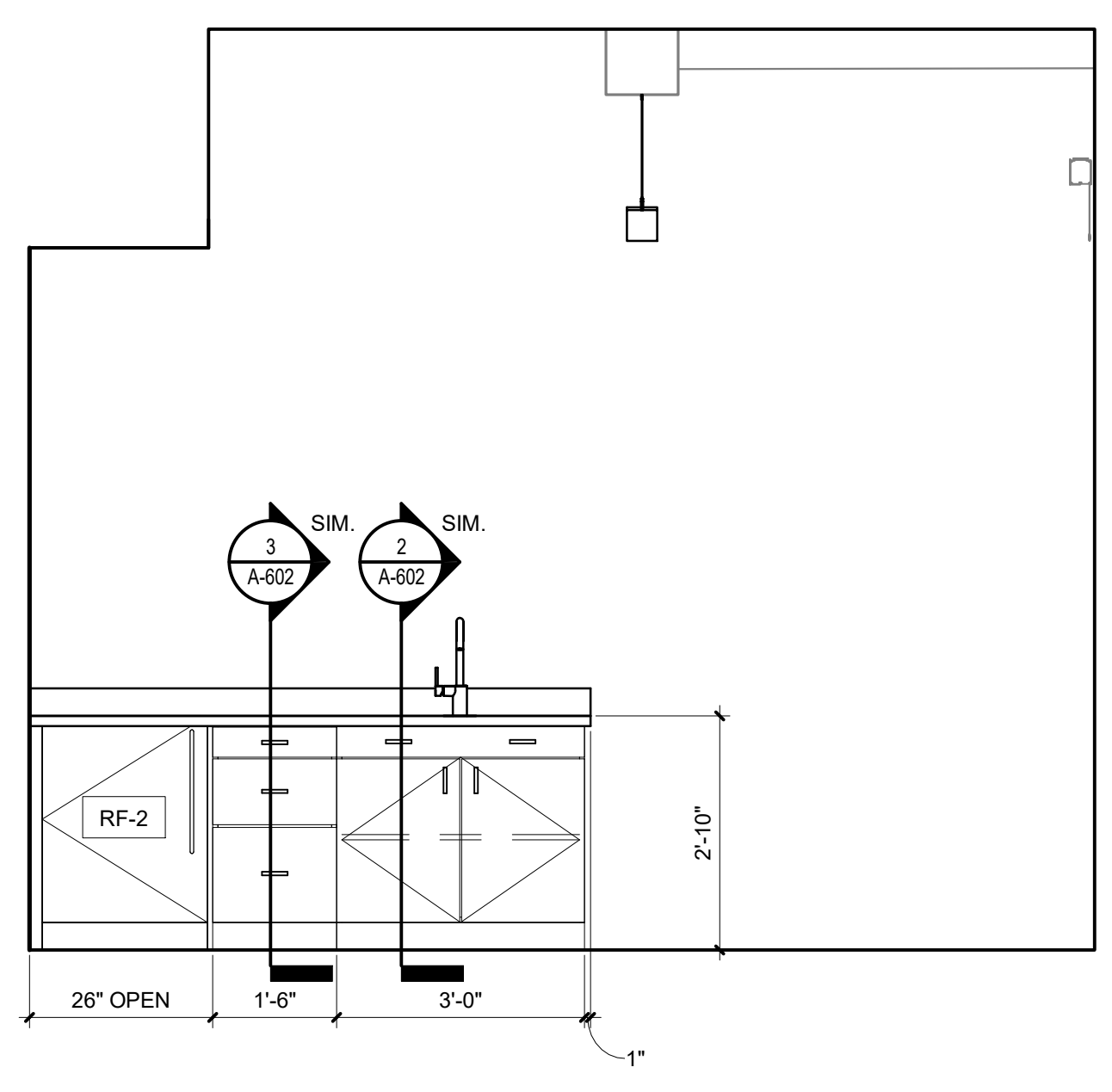
3 PANTRY 09-012  
A-506 SCALE: 1/2" = 1'-0"



4 BREAK ROOM 10-019  
A-506 SCALE: 1/2" = 1'-0"



5 CATERING AREA SOUTH 10-018  
A-506 SCALE: 1/2" = 1'-0"



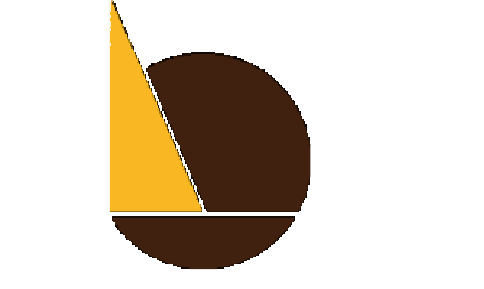
6 LACTATION ROOM 10-020  
A-506 SCALE: 1/2" = 1'-0"



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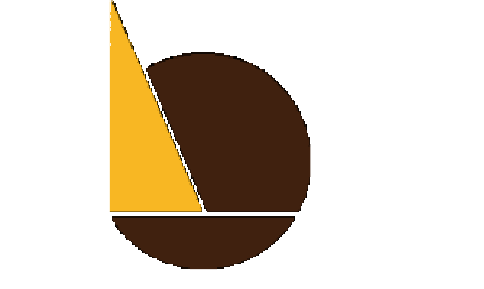
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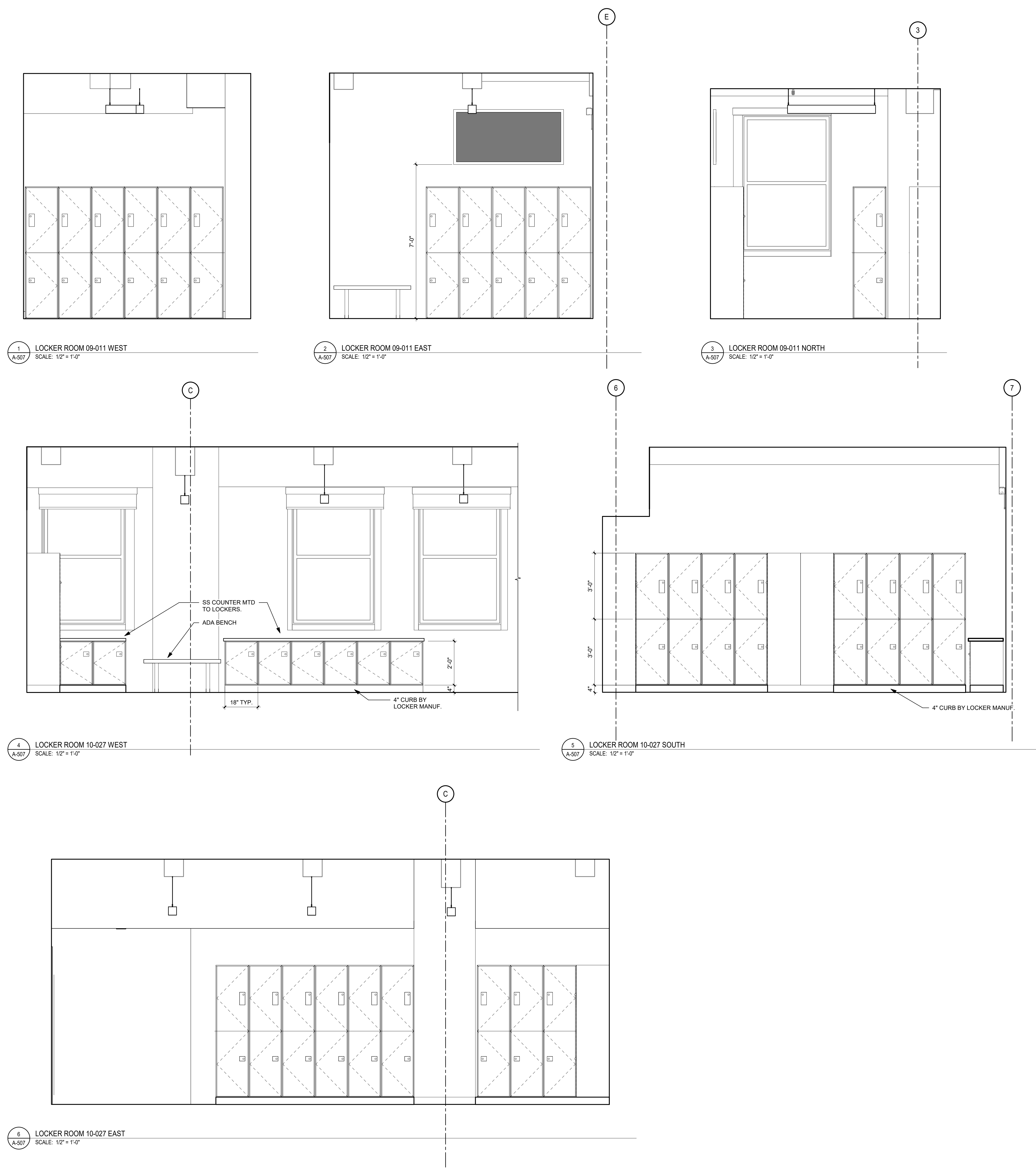
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DRAWING TITLE:  
**LOCKER ROOM ELEVATIONS**

SHEET NO:  
**A-507**



1 LOCKER ROOM 09-011 WEST  
 SCALE: 1/2" = 1'-0"

2 LOCKER ROOM 09-011 EAST  
 SCALE: 1/2" = 1'-0"

3 LOCKER ROOM 09-011 NORTH  
 SCALE: 1/2" = 1'-0"

4 LOCKER ROOM 10-027 WEST  
 SCALE: 1/2" = 1'-0"

5 LOCKER ROOM 10-027 SOUTH  
 SCALE: 1/2" = 1'-0"

6 LOCKER ROOM 10-027 EAST  
 SCALE: 1/2" = 1'-0"





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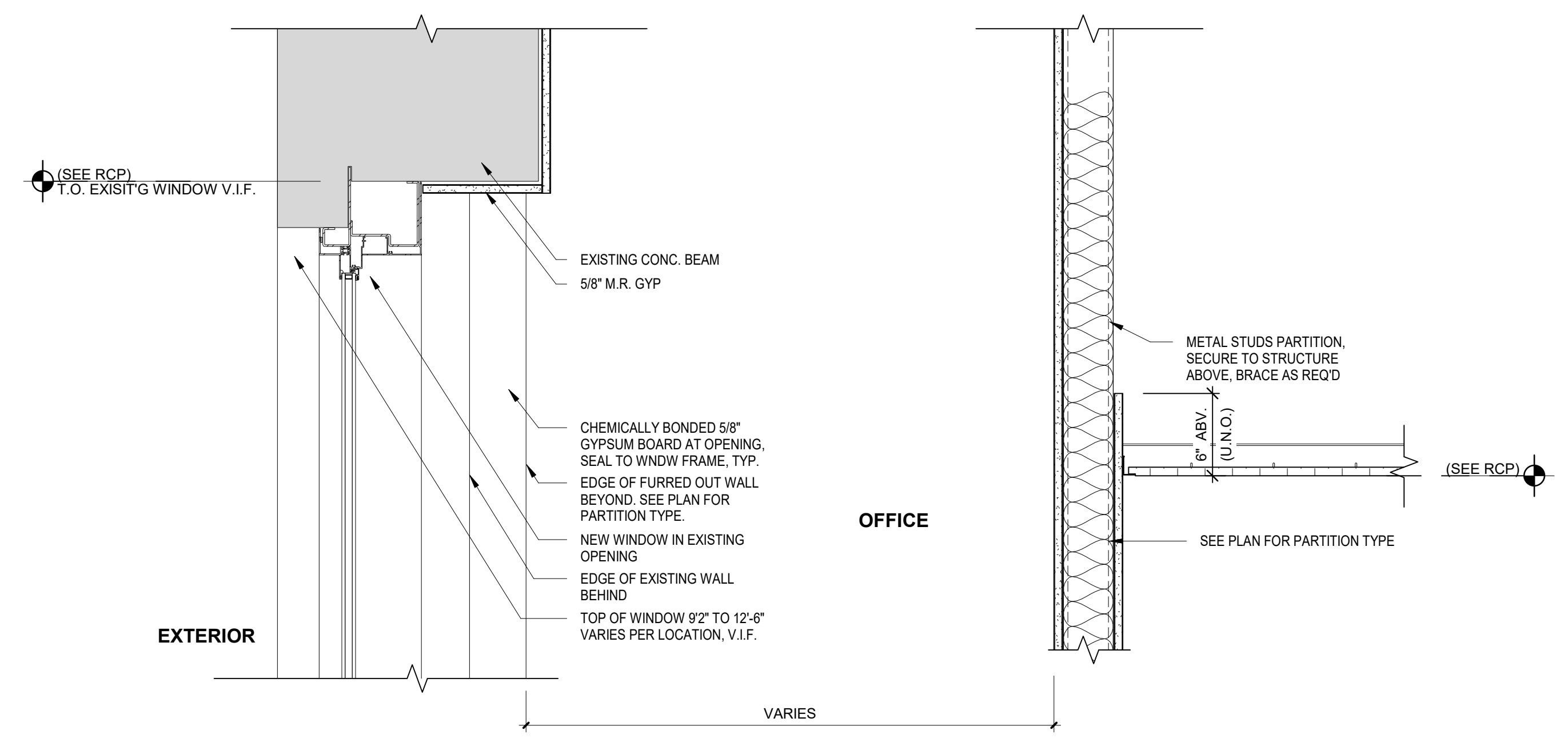
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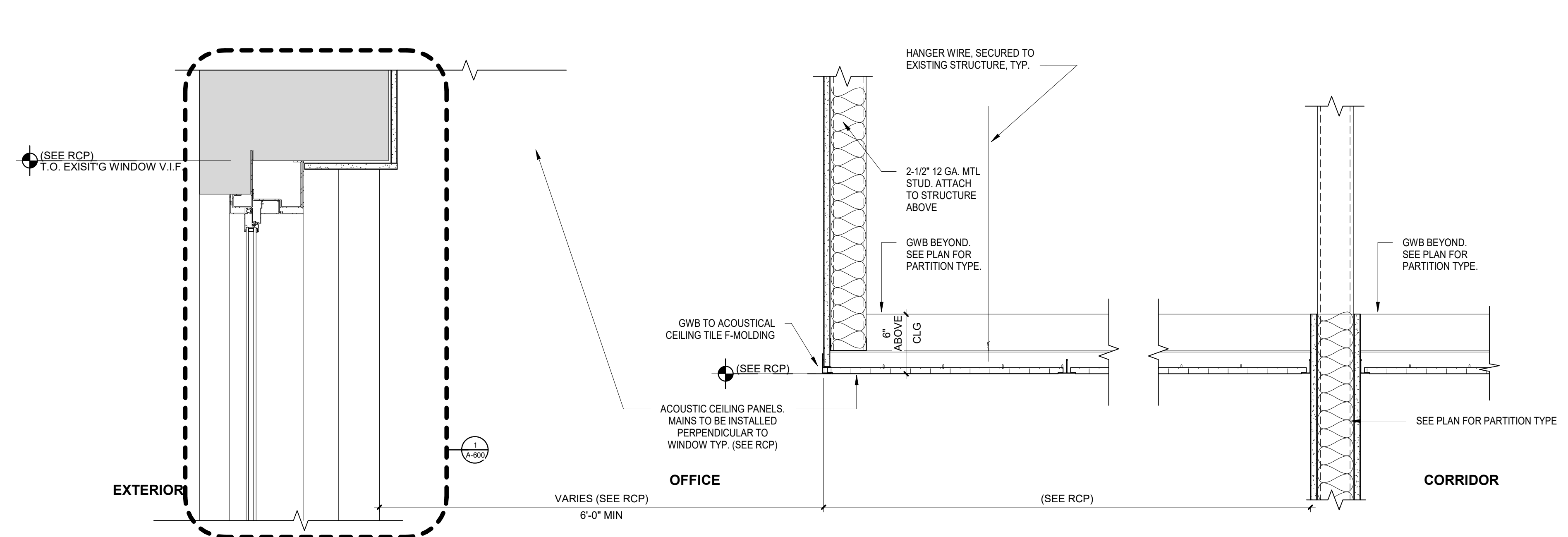
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**CEILING DETAILS**

SHEET NO:  
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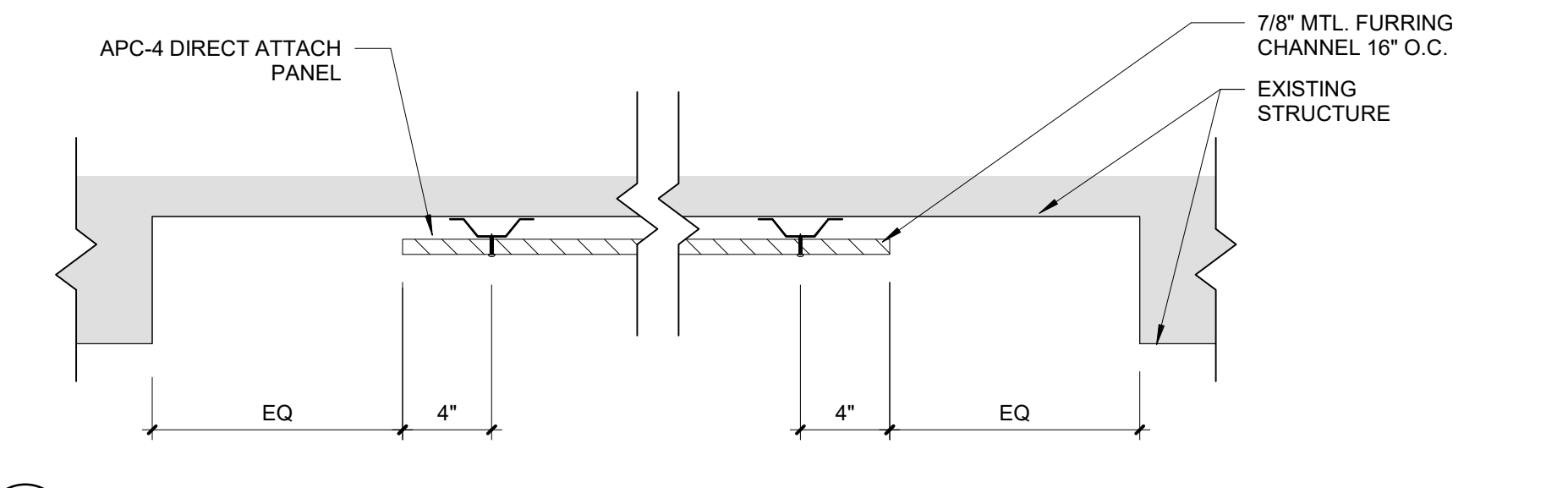
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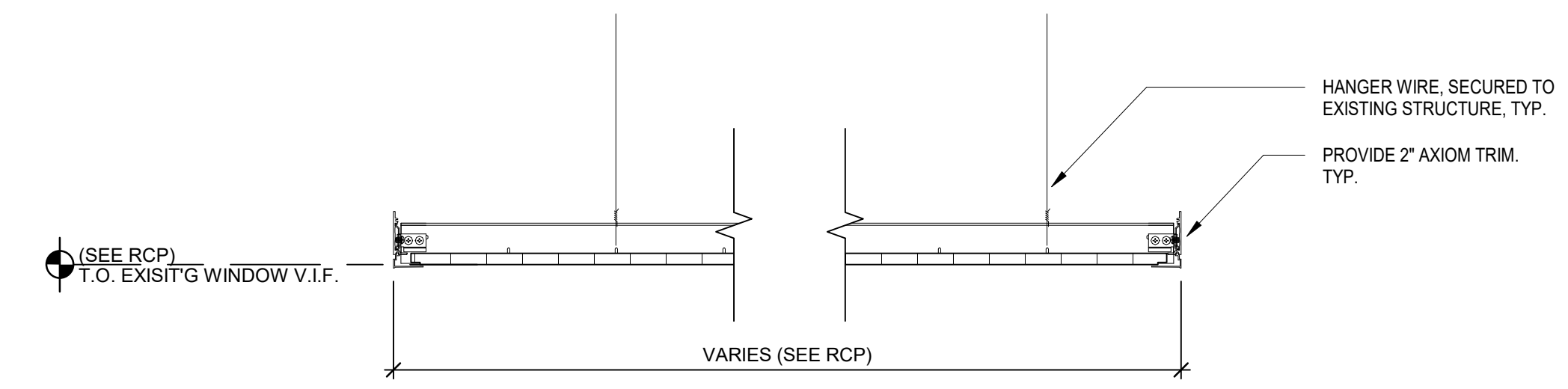
**1** EXPOSED CEILING DETAIL @ EXTERIOR WINDOW - TYP. (APPROVED 11.23.19 SUBMISSION)  
 SCALE: 1 1/2" = 1'-0"



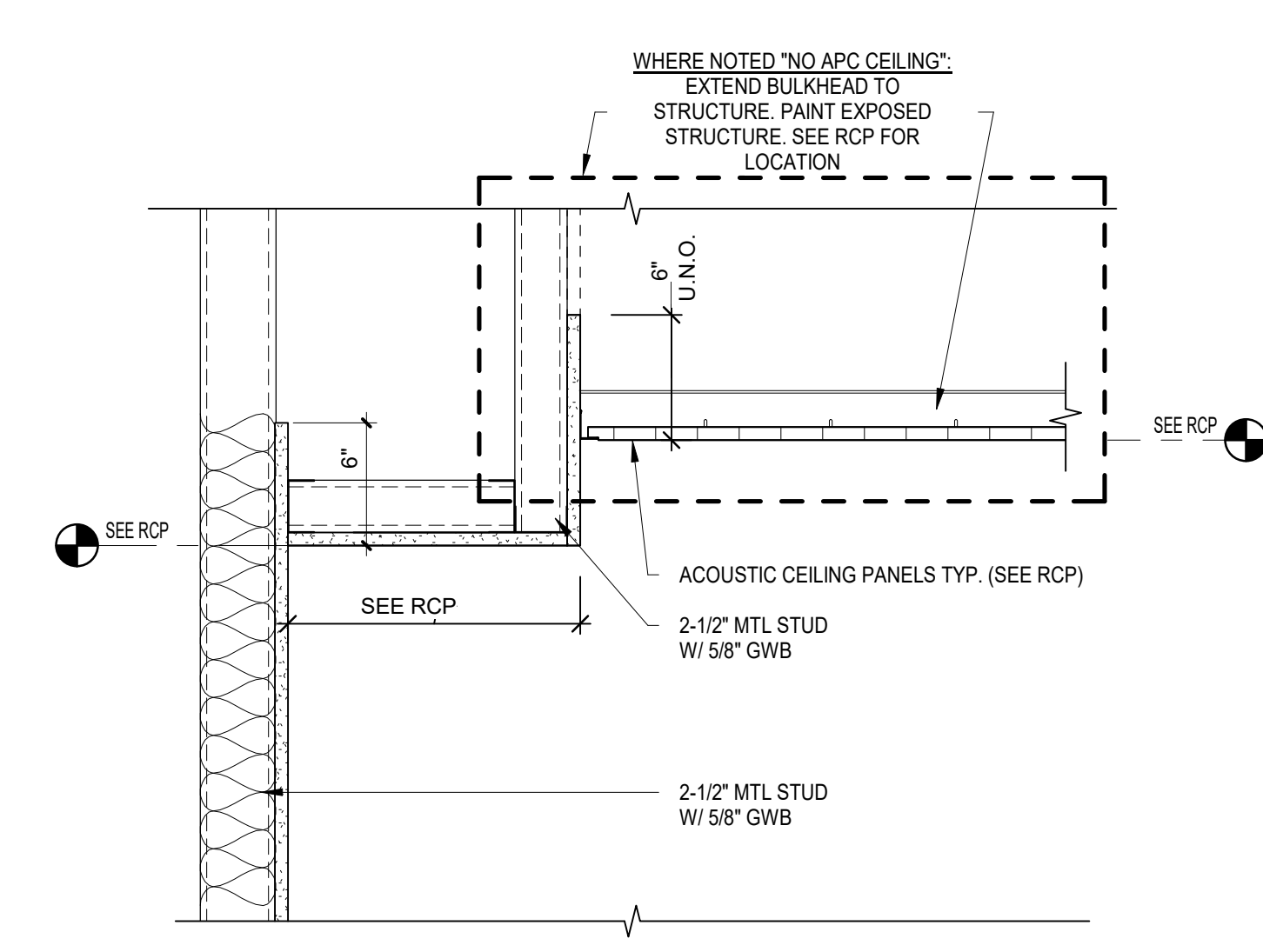
**2** APC TO EXPOSED CEILING BULKHEAD @ EXTERIOR WINDOW - TYP. (APPROVED SUBMISSION 11.22.2019)  
 SCALE: 1 1/2" = 1'-0"



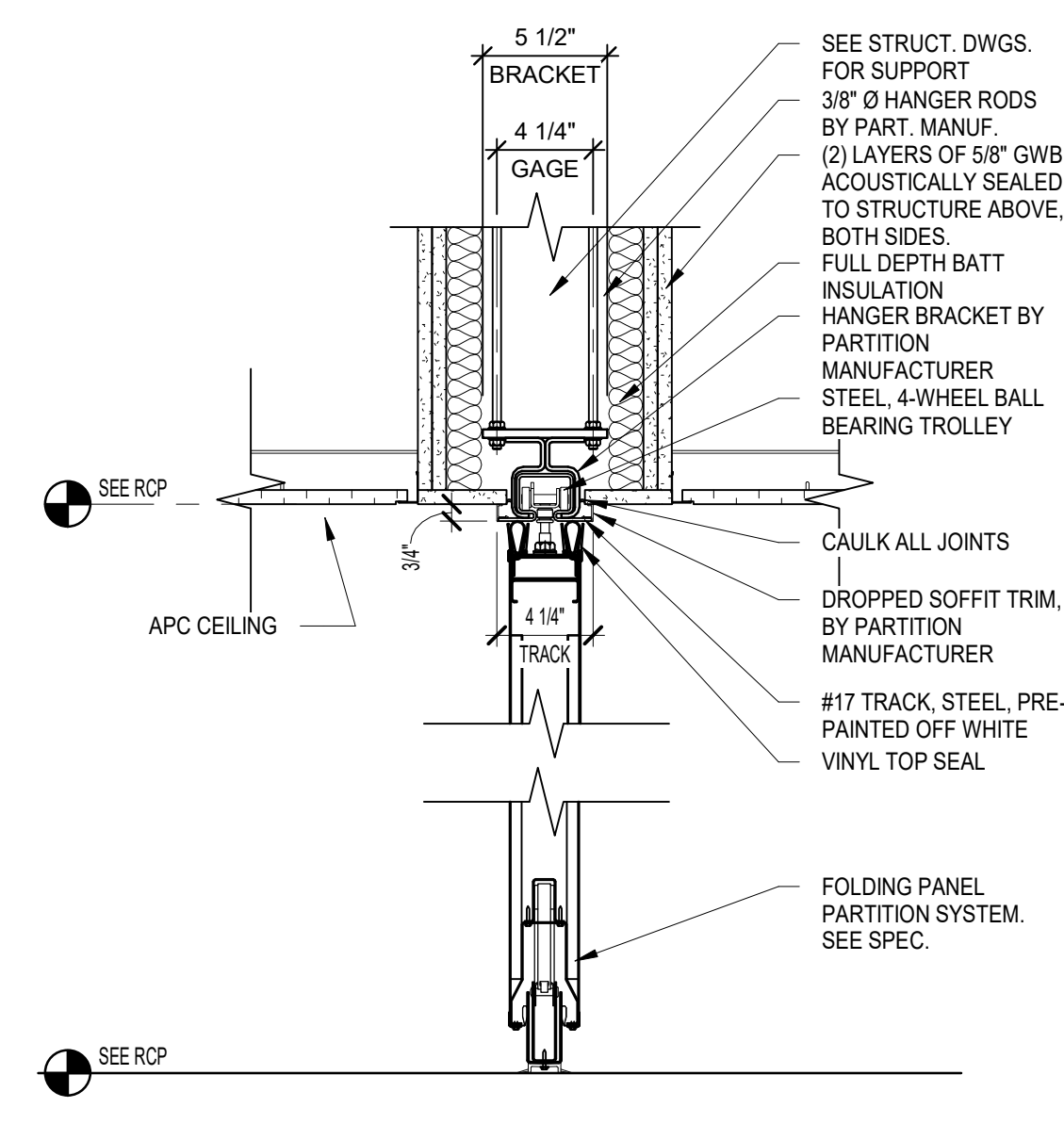
**3** DIRECT ATTACH ACOUSTIC PANEL - ACP-4 (APPROVED SUBMISSION 11.22.2019)  
 SCALE: 1 1/2" = 1'-0"



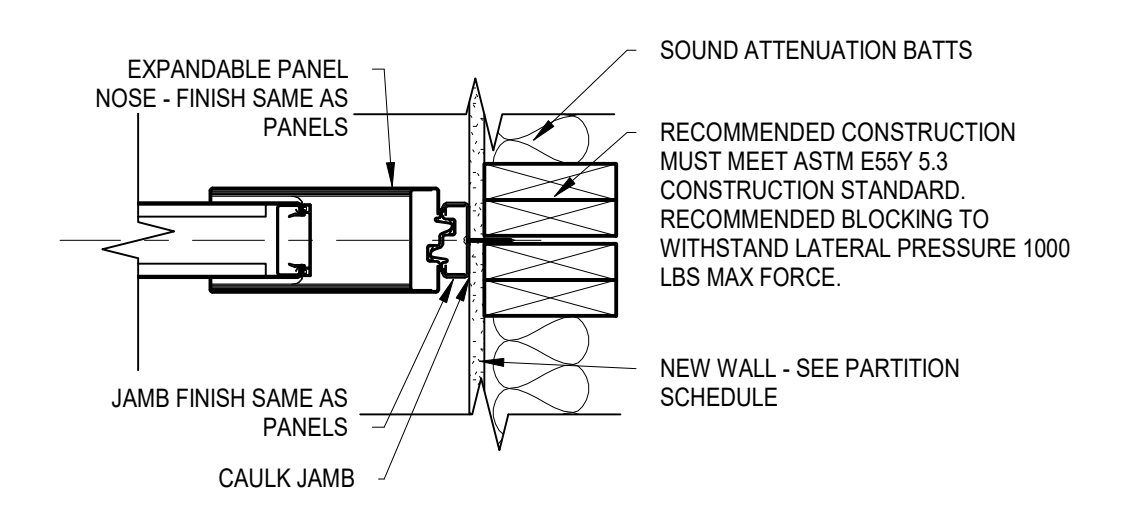
**4** APC CLOUD CEILING W/ FLOAT EDGE AXIOM TRIM  
 SCALE: 1 1/2" = 1'-0"



**5** ACP TO GYP SOFFIT - TYP. SHPO  
 SCALE: 1 1/2" = 1'-0"



**6** CEILING DETAIL @ OPERABLE PARTITION  
 SCALE: 1 1/2" = 1'-0"



**7** JAMB DETAIL @ OPERABLE PARTITION  
 SCALE: 1 1/2" = 1'-0"

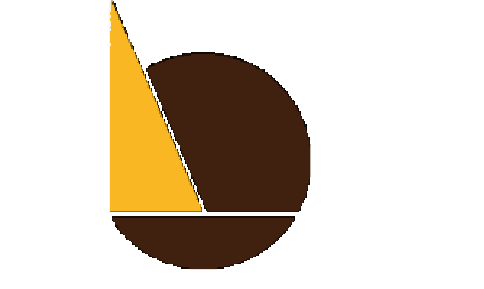
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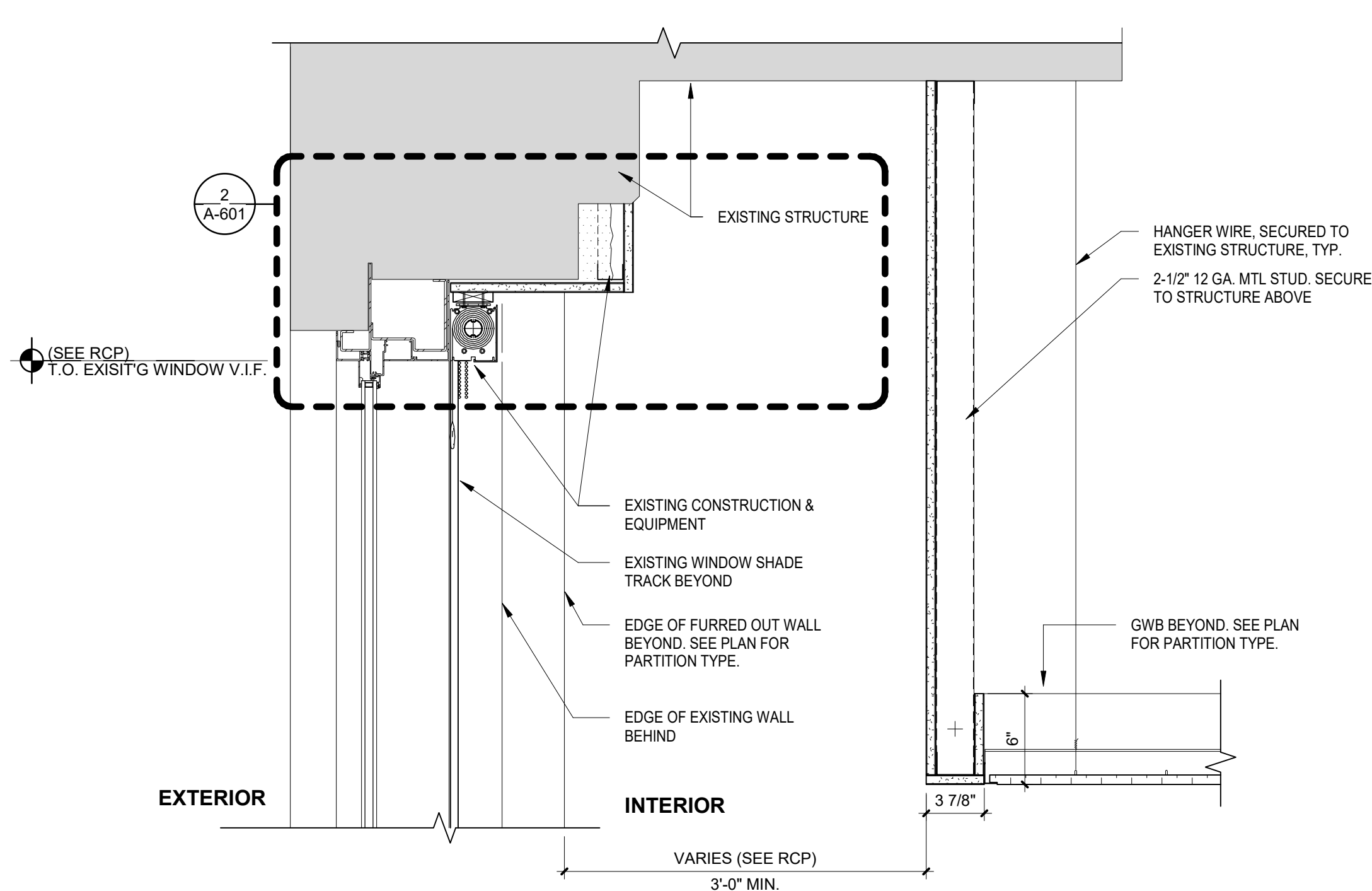
ISSUES/REVISIONS:  
 1 9/18/2020 ISSUED FOR BIDS

PROJECT NUMBER: 304103-120  
 SCALE: As indicated  
 DATE: 09/18/2020  
 DRAWN BY: SM  
 CHECKED BY: PT

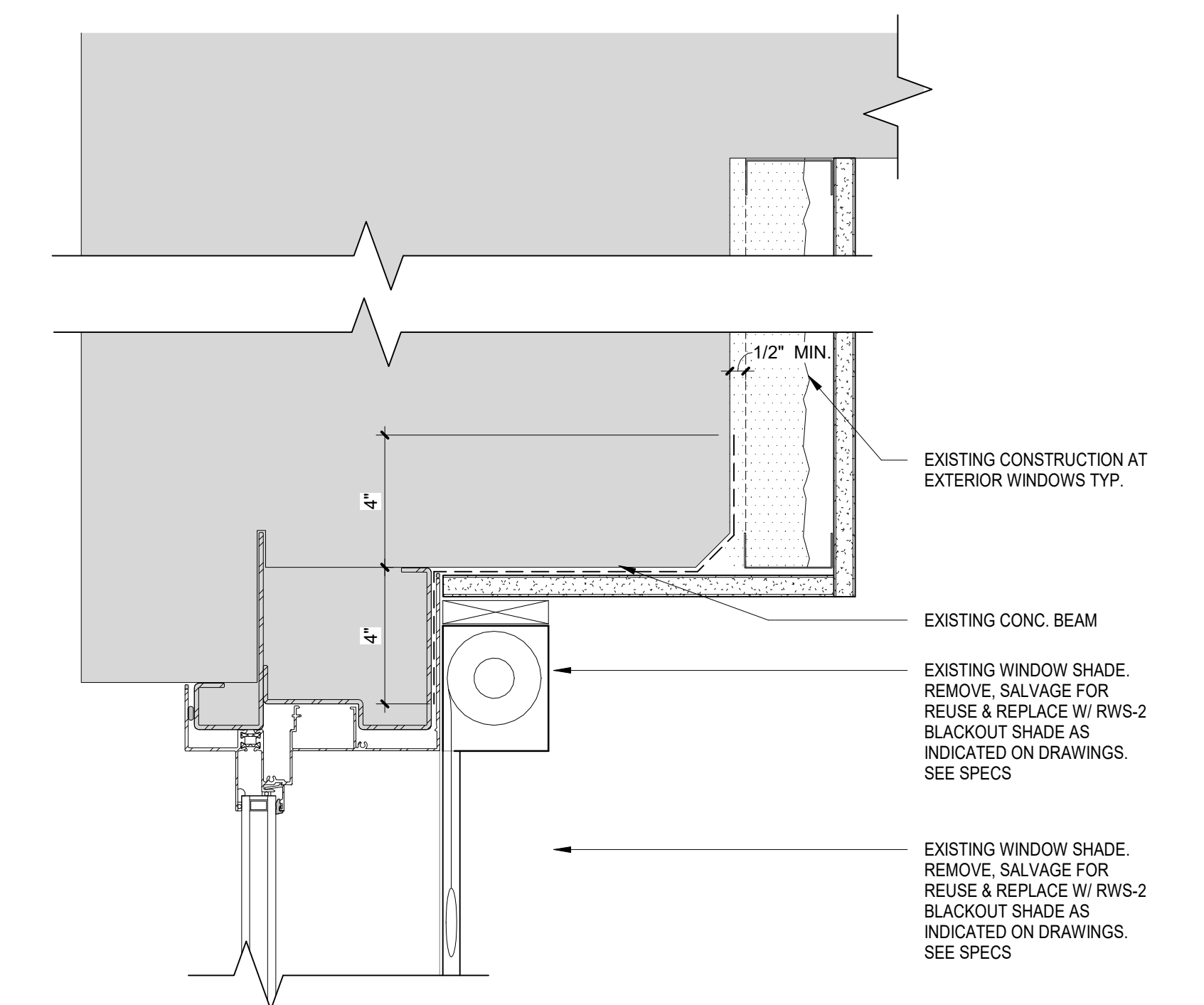
DRAWING TITLE:  
**CEILING DETAILS**

SHEET NO:  
**A-601**

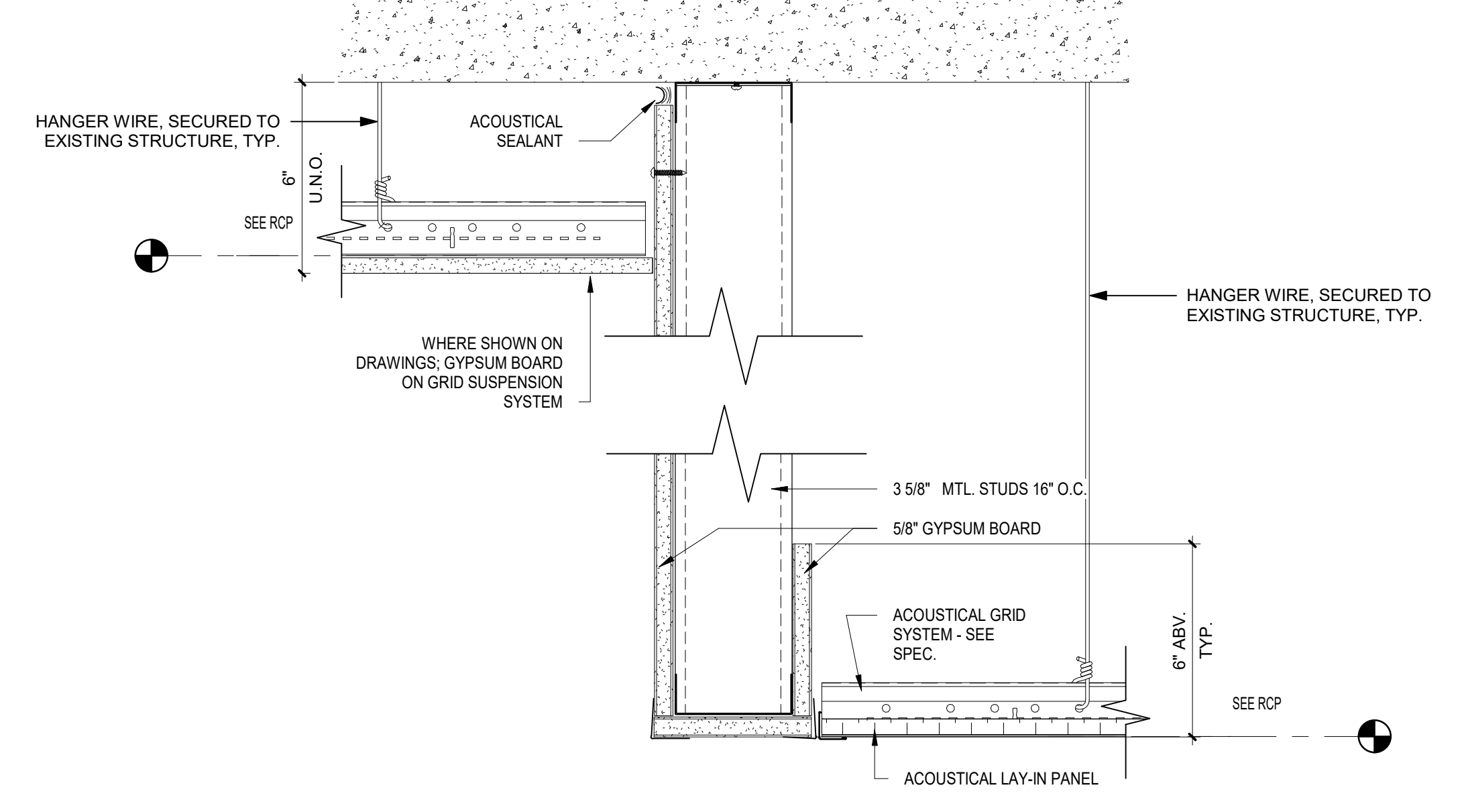
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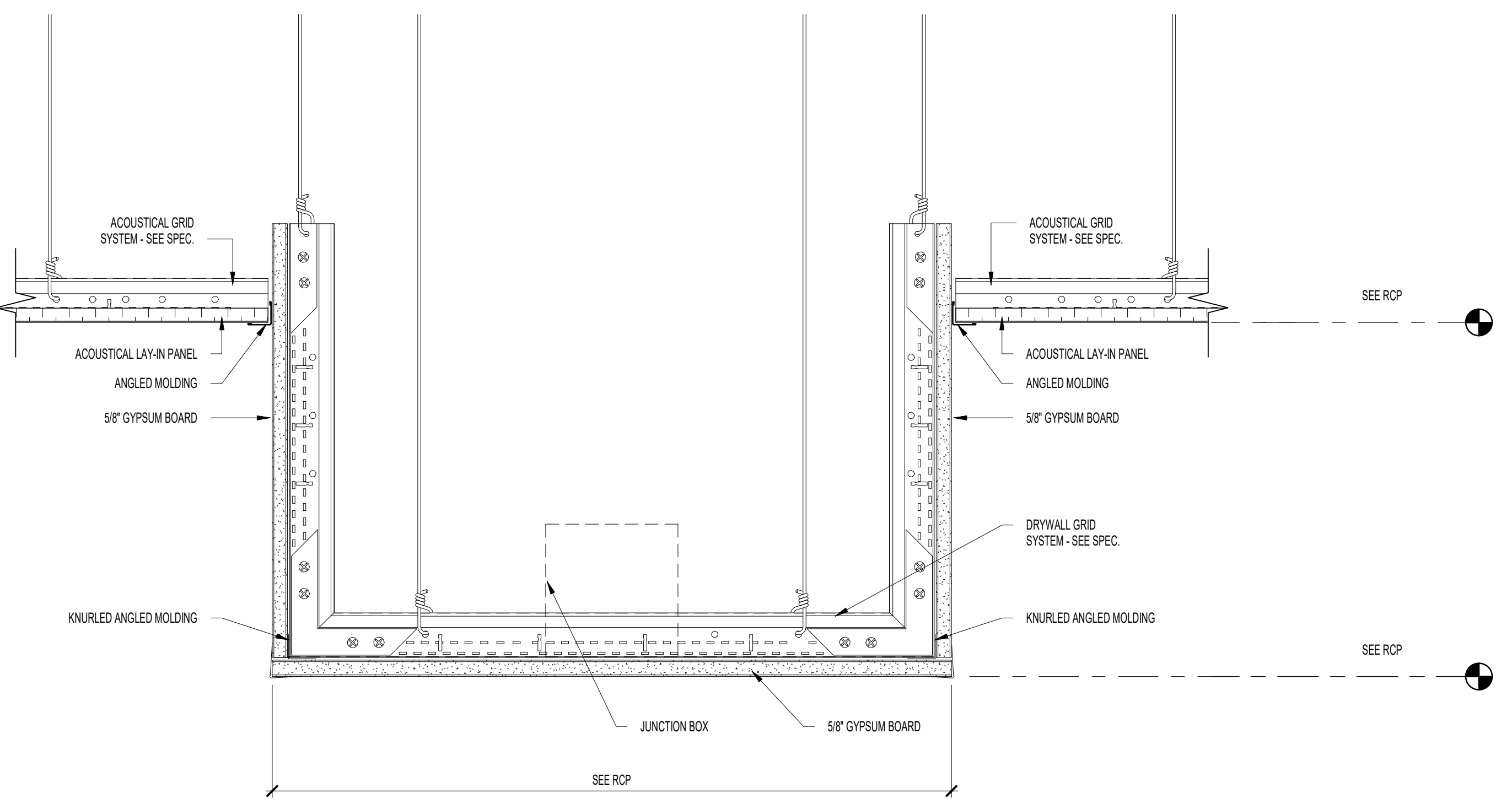
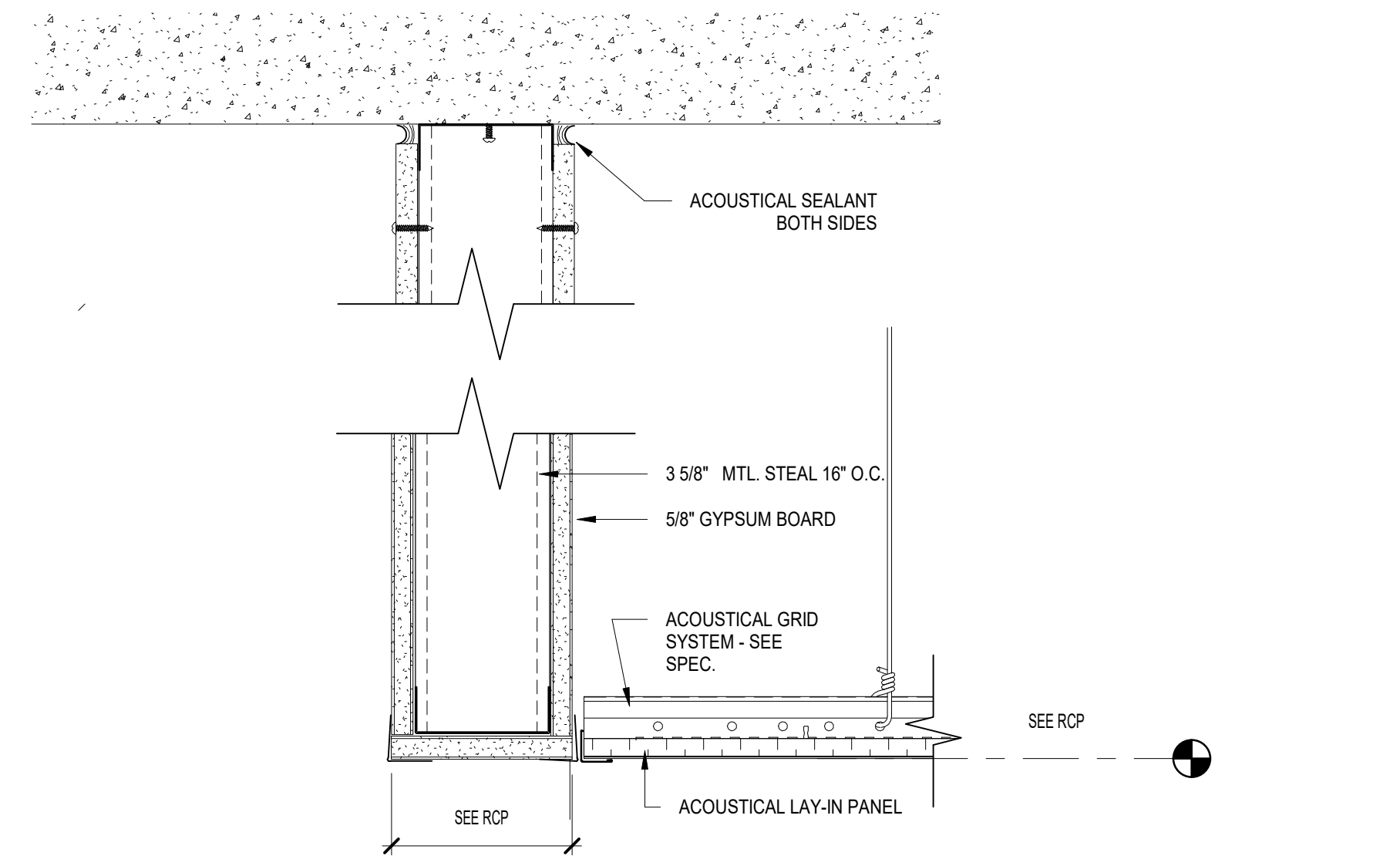
**1 EXPOSED CEILING POCKET @ EXTERIOR WINDOWS**  
 SCALE: 1/2" = 1'-0"



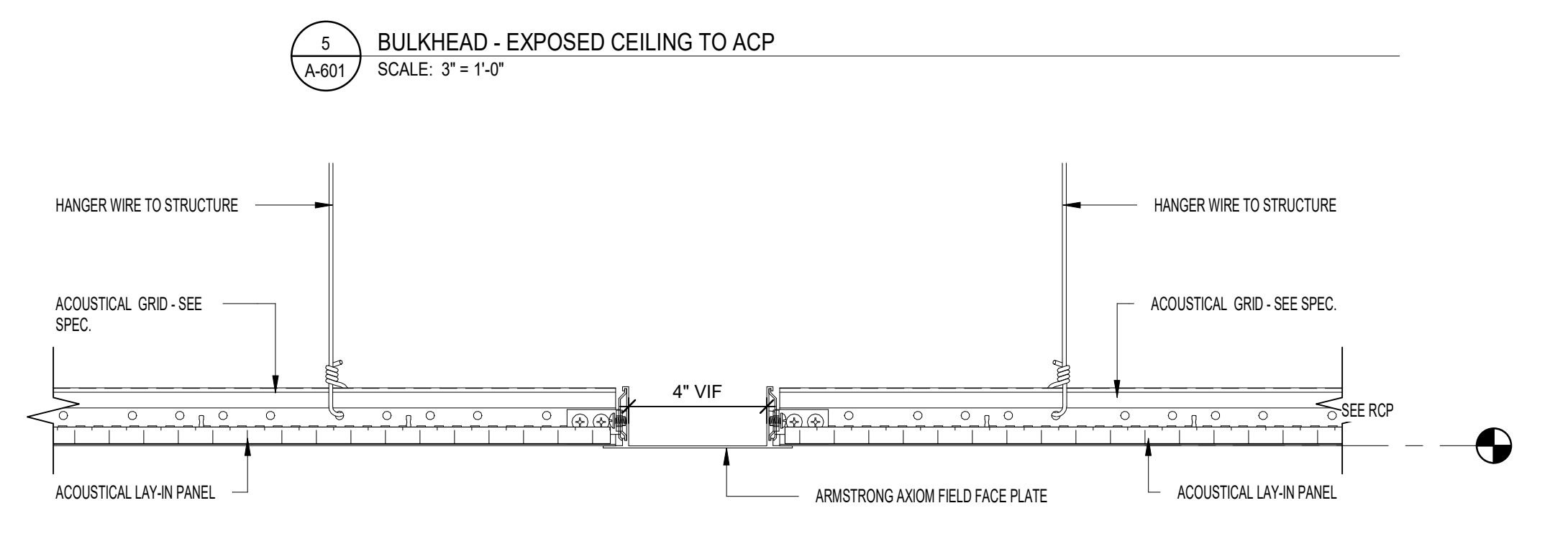
**2 WINDOW HEAD DETAIL**  
 SCALE: 3/4" = 1'-0"



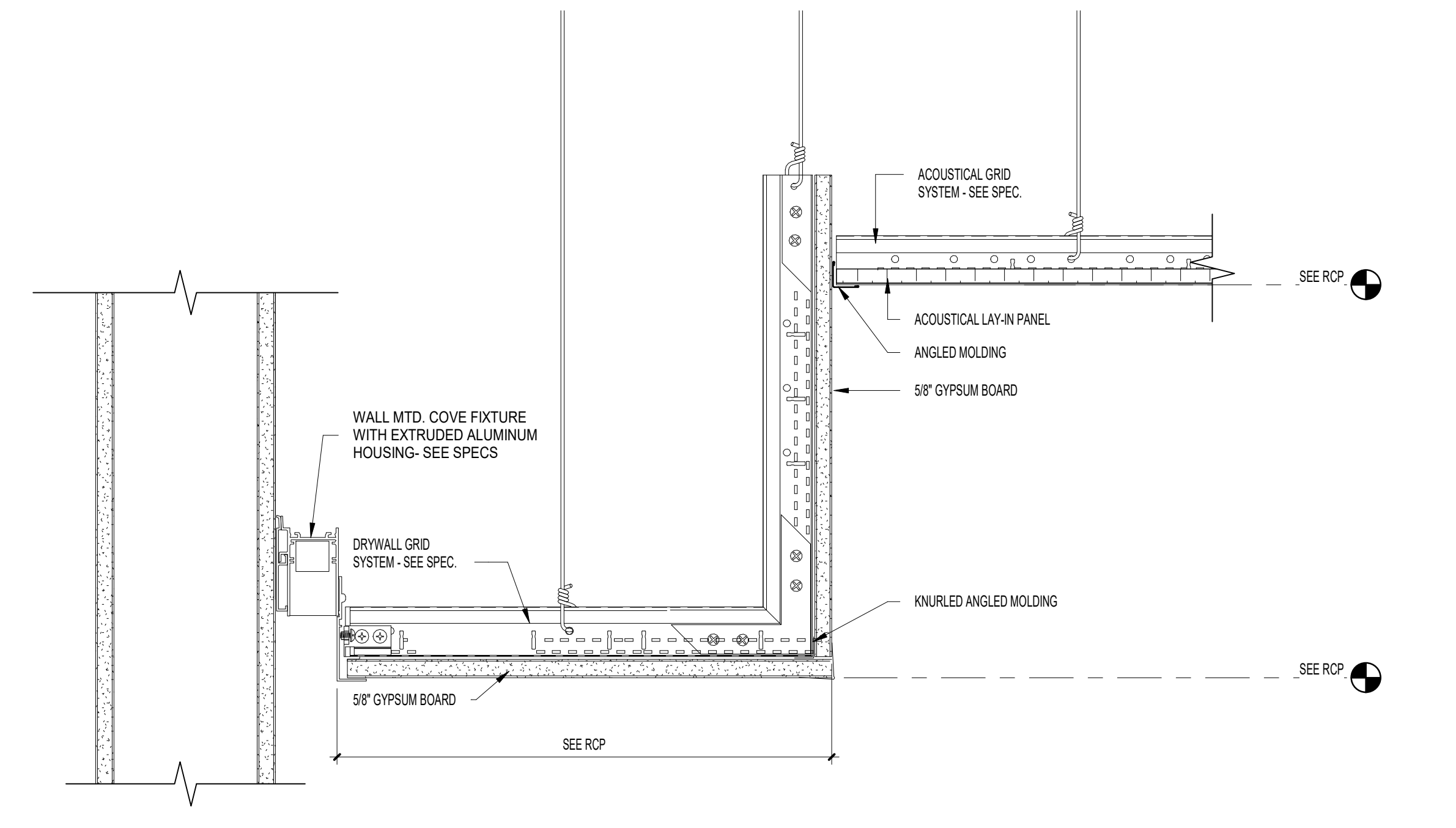
**3 BULKHEAD - GWB CEILING TO ACP**  
 SCALE: 3/4" = 1'-0"



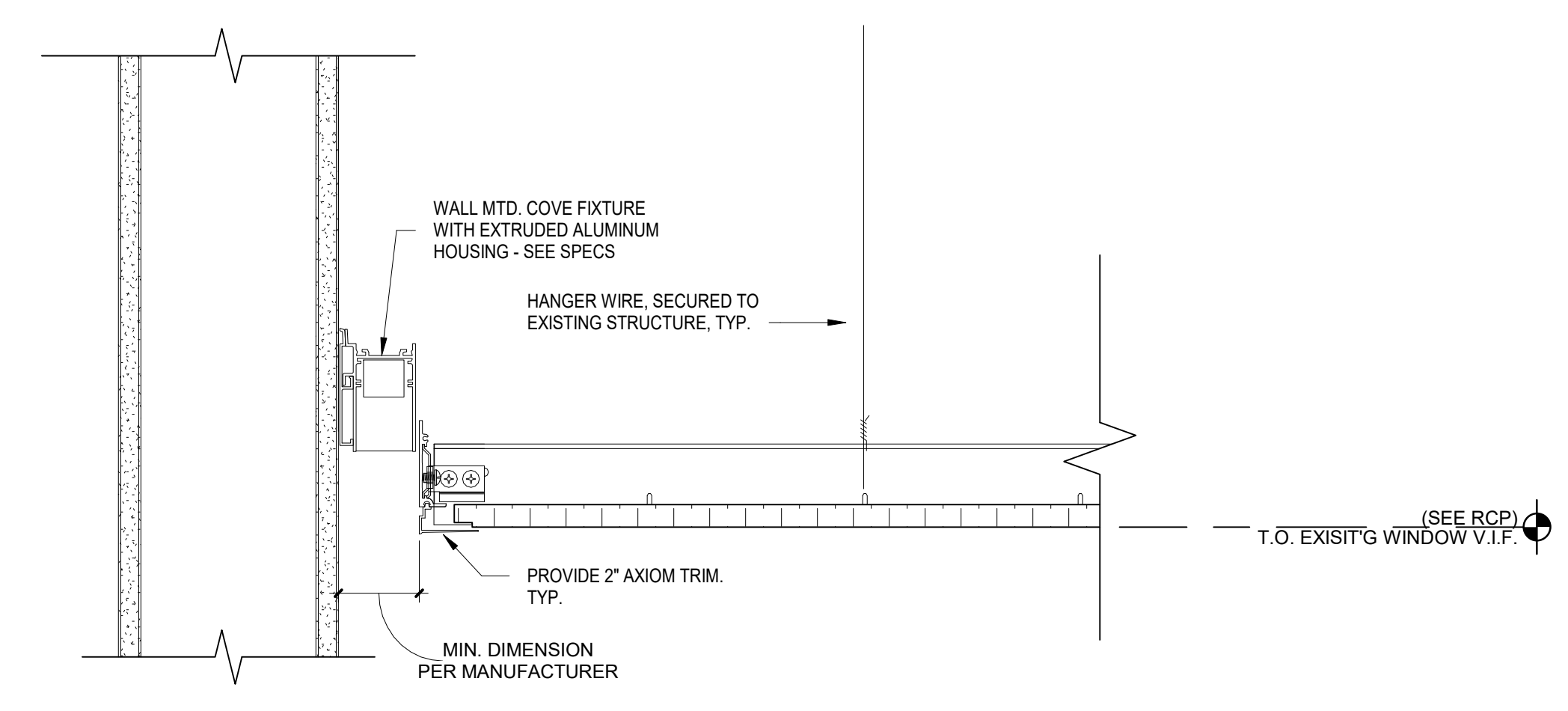
**4 CEILING DETAIL - ACP TO GWB TO ACP**  
 SCALE: 3/4" = 1'-0"



**6 TRANSITION / BULKHEAD DETAIL (TYP.)**  
 SCALE: 3/4" = 1'-0"



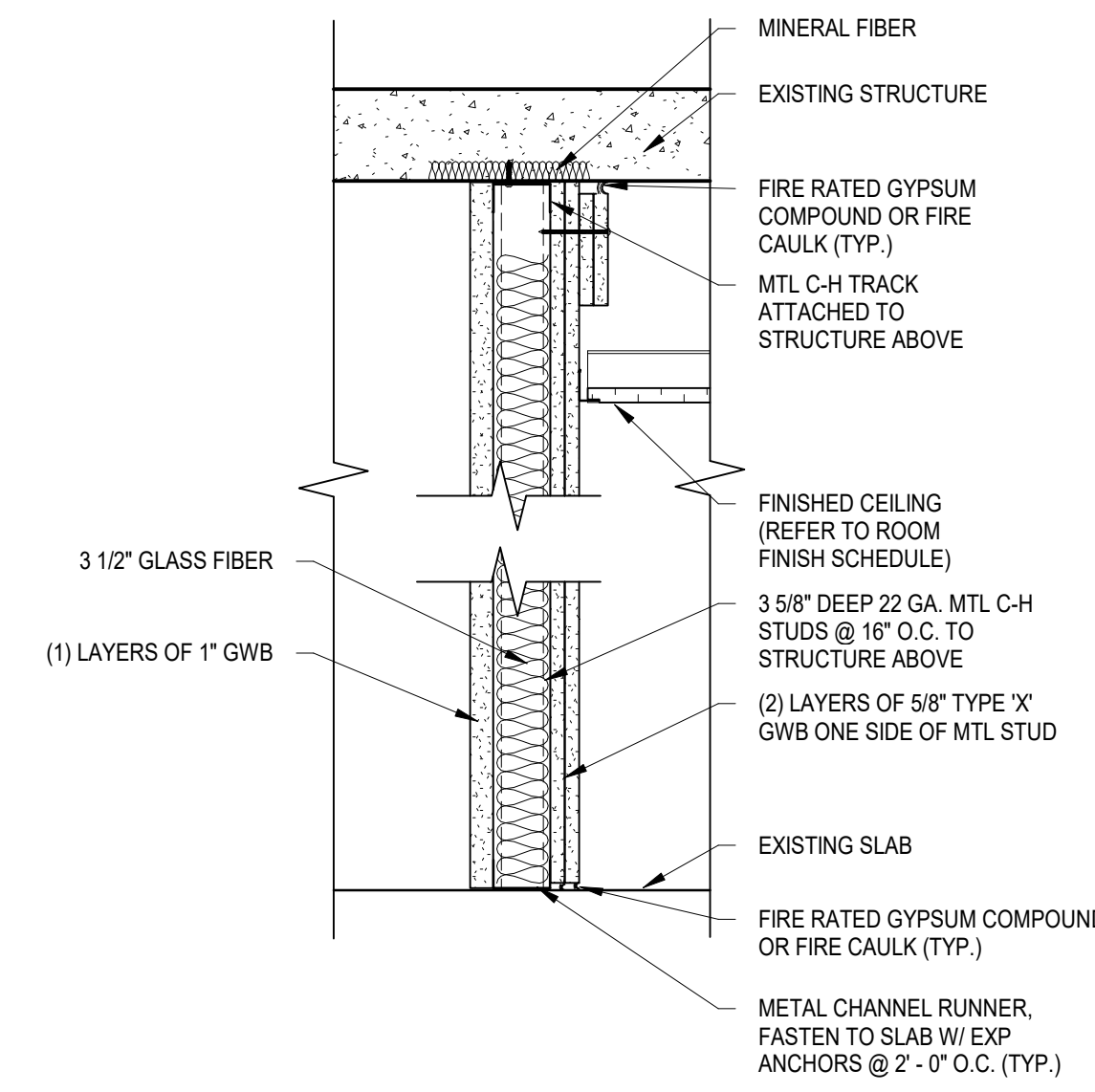
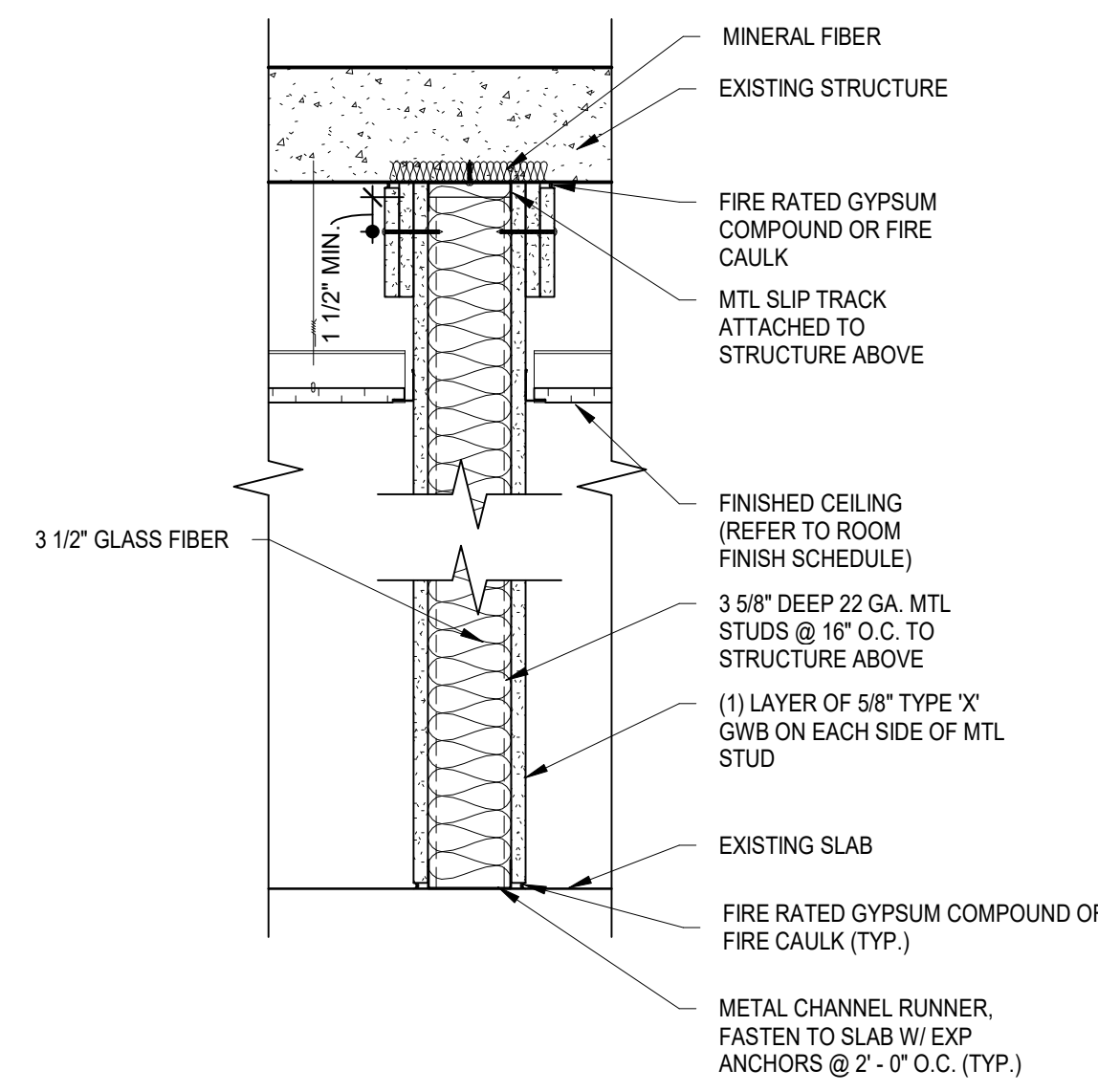
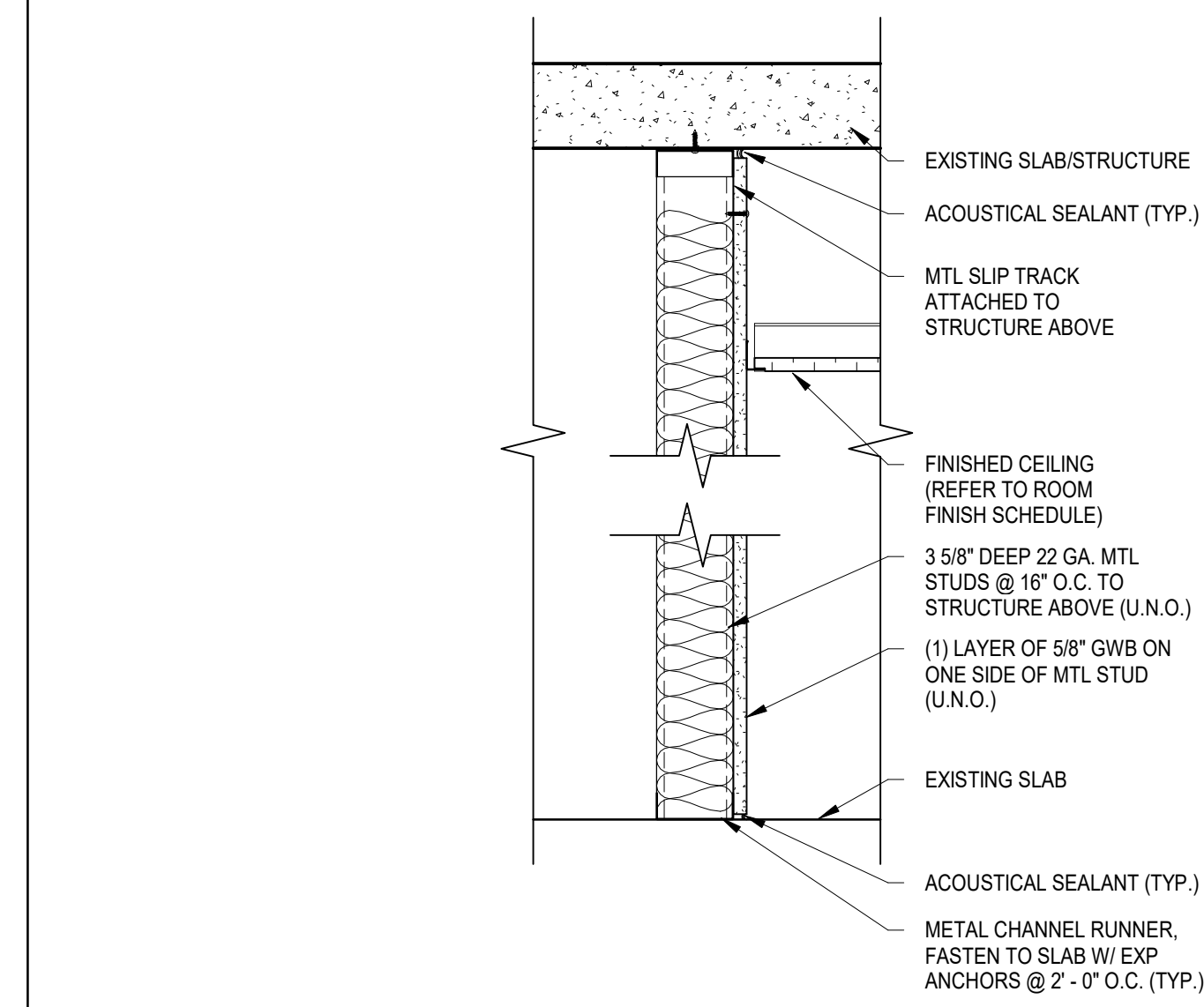
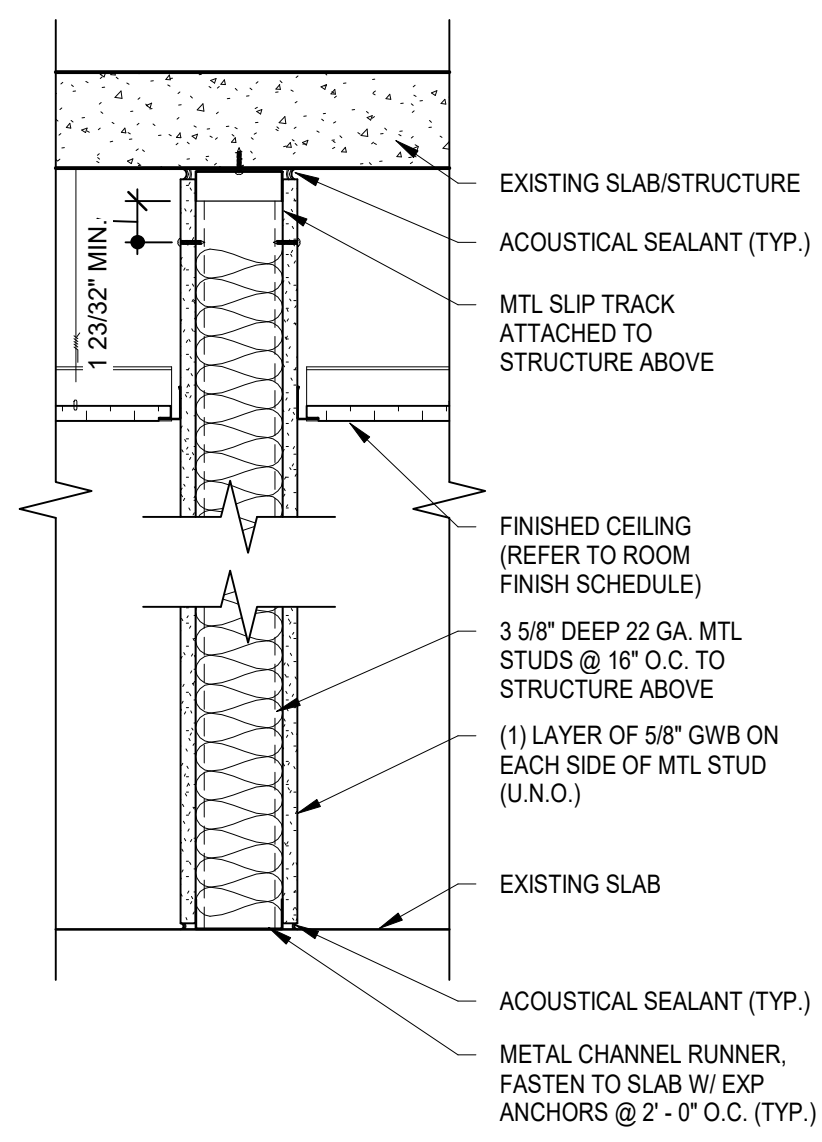
**7 DIRECT LIGHT COVE DETAIL @ GWB SOFFIT**  
 SCALE: 3/4" = 1'-0"



**8 DIRECT LIGHT COVE DETAIL @ APC CEILING**  
 SCALE: 3/4" = 1'-0"

BIM 380/PPSB - Office of Emergency Management/304103-120\_PPSB.OEM - ARCH-DOCUMENTATION - 08-10 - Eight-Tenth Floors.rvt



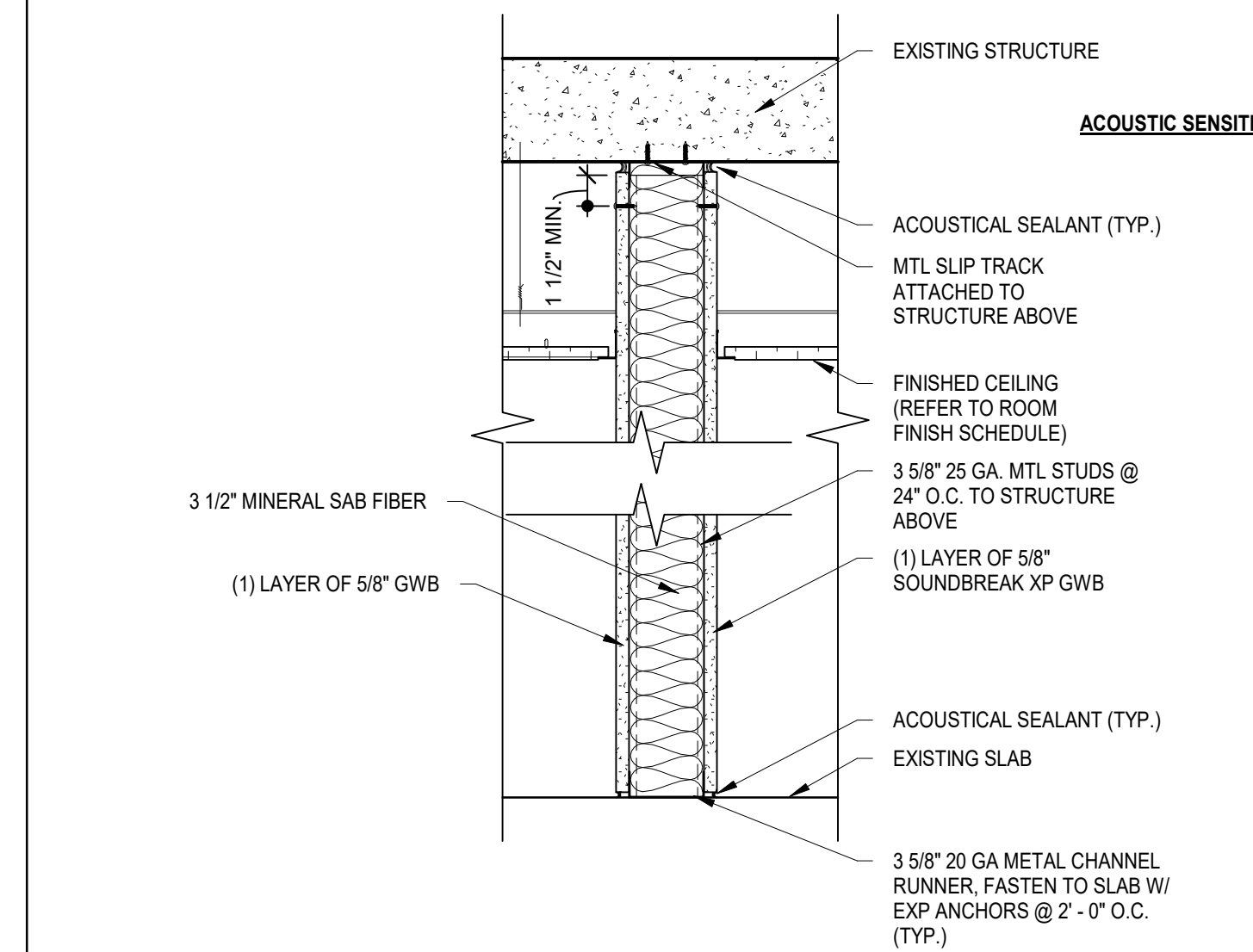
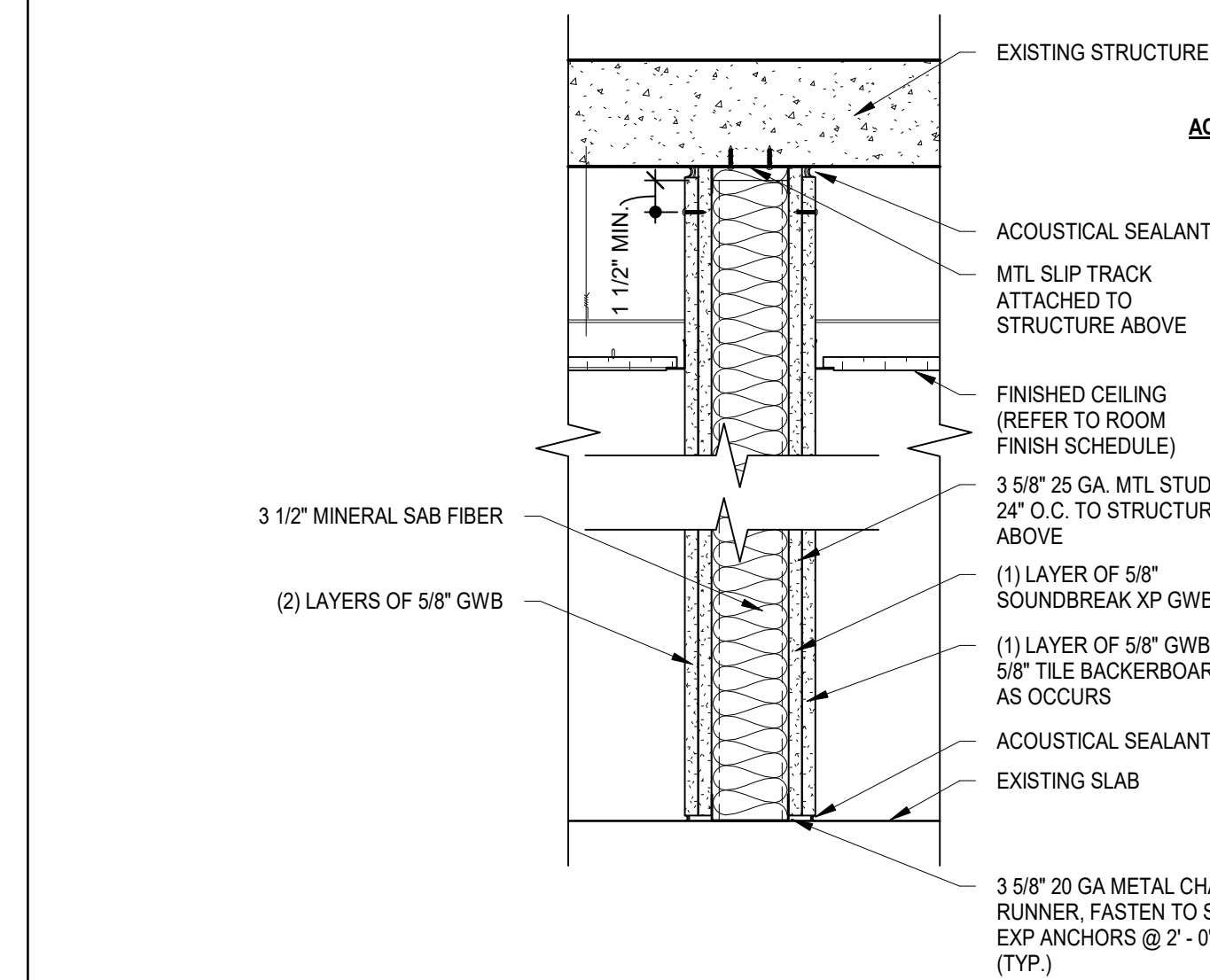
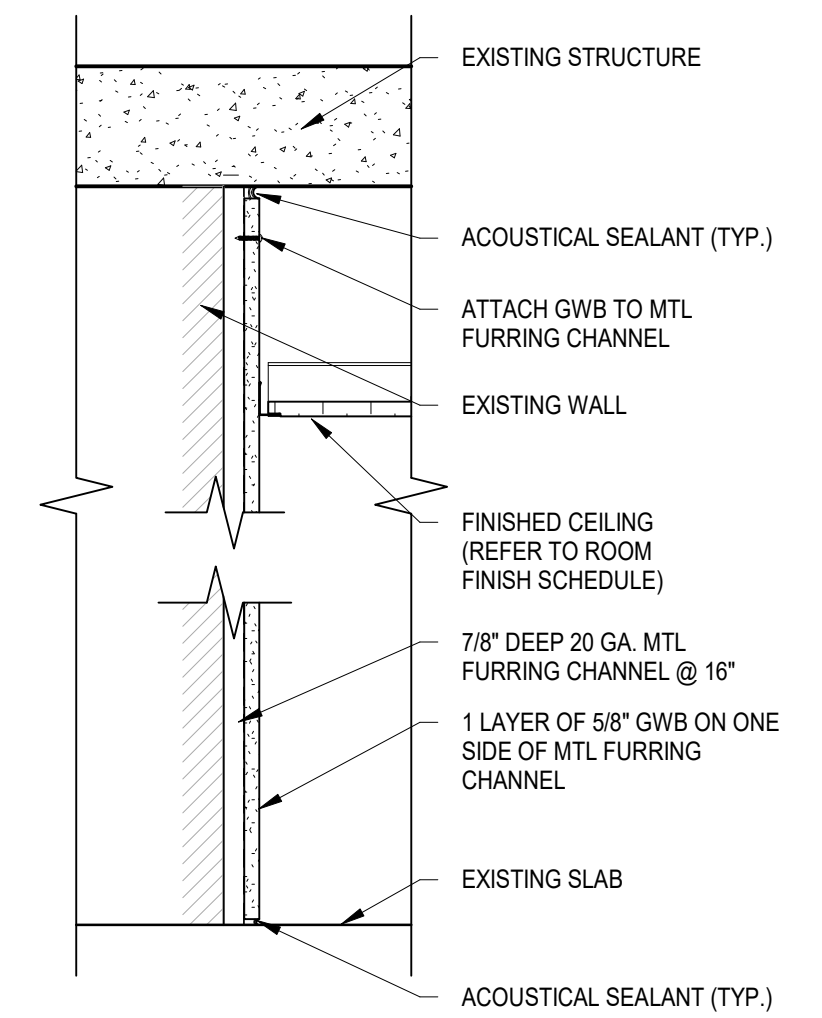


TAG	STUD SIZE	GYP. BD. THICKNESS	GYP. BD. HEIGHT	TOTAL PARTITION THICKNESS	ACOUSTIC INSULATION	Fire Rating	UL DESIGN NO.	COMMENTS
A1	3 5/8"	5/8"	B.O. DECK	4 7/8"	Yes			(1) LAYER 5/8" GWB ON EA. SIDE
A1A	3 5/8"	5/8"	B.O. DECK	4 7/8"	Yes			(1) LAYER 5/8" GWB ONE SIDE; (1) LAYER 5/8" TILE BACKER BOARD OPP. SIDE
A1B	3 5/8"	5/8"	B.O. DECK	4 7/8"	Yes			(1) LAYER 5/8" TILE BACKER BOARD ON EA. SIDE
A4	3 5/8"	5/8"	B.O. DECK	4 7/8"	No			(1) LAYER 5/8" GWB ON EA. SIDE
A5	3 5/8"	5/8"	6" ABV CLNG	4 7/8"	No			(1) LAYER 5/8" GWB ON EA. SIDE
A6	3 5/8"	5/8"	B.O. CLNG	4 7/8"	No			(1) LAYER 5/8" GWB ON EA. SIDE

TAG	STUD SIZE	GYP. BD. THICKNESS	GYP. BD. HEIGHT	TOTAL PARTITION THICKNESS	ACOUSTIC INSULATION	Fire Rating	UL DESIGN NO.	COMMENTS
B1	3 5/8"	5/8"	B.O. DECK	4 1/4"	Yes			(1) LAYER 5/8" GWB ONE SIDE
B1A	3 5/8"	5/8"	B.O. DECK	4 1/4"	Yes			(1) LAYER 5/8" TILE BACKER BOARD ONE SIDE
B4	3 5/8"	5/8"	B.O. DECK	4 1/4"	No			(1) LAYER 5/8" GWB ONE SIDE
B4B	3 5/8"	5/8"	B.O. DECK	4 1/4"	No			16 GA. STUD 12" O.C. W/ 1" AIR SPACE, (1) LAYER 5/8" GWB ONE SIDE
B5	3 5/8"	5/8"	6" ABV CLNG	4 1/4"	No			(1) LAYER 5/8" GWB ONE SIDE

TAG	STUD SIZE	GYP. BD. THICKNESS	GYP. BD. HEIGHT	TOTAL PARTITION THICKNESS	ACOUSTIC INSULATION	Fire Rating	UL DESIGN NO.	COMMENTS
F1	3 5/8"	5/8"	B.O. DECK	4 7/8"	Yes	1 HR	V419	(1) LAYER 5/8" GWB ON EA. SIDE

TAG	STUD SIZE	GYP. BD. THICKNESS	GYP. BD. HEIGHT	TOTAL PARTITION THICKNESS	ACOUSTIC INSULATION	Fire Rating	UL DESIGN NO.	COMMENTS
F2	2 1/2"	5/8"	B.O. DECK	4 3/4"	Yes	2 HR	U415	(1) LAYER 1" GWB PANEL SHAFT SIDE, (2) LAYERS 5/8" GWB ONE SIDE



TAG	STUD SIZE	GYP. BD. THICKNESS	GYP. BD. HEIGHT	TOTAL PARTITION THICKNESS	ACOUSTIC INSULATION	Fire Rating	UL DESIGN NO.	COMMENTS
H1	7/8"	5/8"	B.O. DECK	1 1/2"	No			(1) LAYER 5/8" GWB ONE SIDE
H1A	7/8"	5/8"	B.O. DECK	1 1/2"	No			(1) LAYER 5/8" SOUNDBREAK XP GWB ONE SIDE

TAG	STUD SIZE	GYP. BD. THICKNESS	GYP. BD. HEIGHT	TOTAL PARTITION THICKNESS	ACOUSTIC INSULATION	Fire Rating	UL DESIGN NO.	COMMENTS
J1	6"	5/8"	B.O. DECK	6 1/8"	Yes		V484	(2) LAYER 5/8" GWB ON ONE SIDE, (1) LAYER 5/8" SOUNDBREAK XP GWB & (1) LAYER 5/8" GWB ON ONE SIDE, MINERAL FIBER SAB INSUL. STG 60 MIN.

TAG	STUD SIZE	GYP. BD. THICKNESS	GYP. BD. HEIGHT	TOTAL PARTITION THICKNESS	ACOUSTIC INSULATION	Fire Rating	UL DESIGN NO.	COMMENTS
J2	3 5/8"	5/8"	B.O. DECK	4 7/8"	Yes		V484	(1) LAYER 5/8" GWB ON ONE SIDE, (1) LAYER 5/8" SOUNDBREAK XP GWB ON ONE SIDE, MINERAL FIBER SAB INSUL.

**PARTITION NOTES**

- WHERE PARTITIONS ARE INDICATED TO HAVE AN STC RATING, PROVIDE THE FOLLOWING:
  - CONTINUOUS SEAL PERIMETER OF BASE LAYER OF A DOUBLE LAYER PARTITION AND FACE LAYER OF SINGLE LAYER PARTITIONS TO SURROUNDING SLAB, WALLS AND CEILING USING A RESILIENT, NON-HARDENING SEALANT.
  - WHERE GWB IS REGULARLY ATTACHED TO FRAMING, SEALANT TO PROVIDE MINIMUM 1/8" MOVEMENT PER ASTM C719. BASIS OF DESIGN: HILTI SMOKE AND ACOUSTIC SEALANT.
  - WHERE GWB IS RESILIENTLY ATTACHED TO FRAMING (STUD ISOLATION CLIPS, RESILIENT CHANNEL, SPRING HANGERS, ETC.) SEALANT TO PROVIDE MINIMUM 25% MOVEMENT PER ASTM C719. BASIS OF DESIGN: USG SHEETROCK BRAND ACOUSTIC SEALANT.
  - SPACE ELECTRICAL BOXES ON OPPOSITE SIDES OF THE WALL AT LEAST ONE STUD CAVITY AND 16" APART.
  - IN SOUND-RATED PARTITIONS, ALL FIVE SIDES OF ELECTRICAL BOXES SHOULD BE SEALED USING MOLDABLE SOUND INSULATION PUTTY PADS. OUTLET INSERTS ARE NOT ACCEPTABLE. BASIS OF DESIGN: KINETICS ISOBARRIER (FIRE-RATED), KINETICS SEALTIGHT (NON-HARDENING SEALANT).
  - PENETRATIONS IN ACOUSTICAL PARTITIONS, INCLUDING DUCTWORK, CONDUIT AND PIPING SHALL BE OVERSIZED BY A 1/2" FILLED WITH BACKER ROD AND SEALED WITH A RESILIENT, NON-HARDENING SEALANT.
  - LARGE PENETRATIONS OR GAPS SHALL BE SEALED WITH A DENSE MATERIAL SUCH AS FIRE-STOP PUTTY. BASIS OF DESIGN: HILTI CP 618.

**MONITOR SCHEDULE**

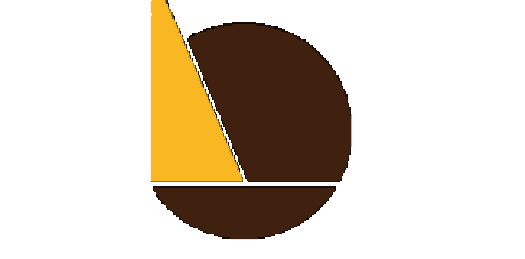
MARK	ROOM NO.	Room Name	TYPE
M8-01	08-013	DEPUTY DIRECTOR	WALL MTD DISPLAY
M8-02	08-002	OPERATIONS	WALL MTD DISPLAY
M8-03	08-002	OPERATIONS	WALL MTD DISPLAY
M8-04	08-016	SMALL CONFERENCE ROOM	WALL MTD DISPLAY
M8-05	08-017	G.I.S. MAPPING ROOM	WALL MTD DISPLAY
M8-06	08-018	DEPUTY DIRECTOR	WALL MTD DISPLAY
M8-07	08-019	PUBLIC ENGAGEMENT	WALL MTD DISPLAY
M8-08	08-020	SHARED BREAKROOM	WALL MTD DISPLAY
M8-09	08-021	DIRECTOR / FIRE COMMISSIONER	WALL MTD DISPLAY
M8-10	08-022	LARGE CONFERENCE	WALL MTD DISPLAY
M8-11	08-022	LARGE CONFERENCE	WALL MTD DISPLAY
M8-12	08-023	PLANNING	WALL MTD DISPLAY
M8-13	08-023	PLANNING	WALL MTD DISPLAY
M8-14	08-023	PLANNING	WALL MTD DISPLAY
M8-15	08-024	DEPUTY DIRECTOR	WALL MTD DISPLAY
M8-01	09-002	EMERGENCY OPERATIONS CENTER	SMALL CINEMASSIVE DISPLAY
M8-02	09-002	EMERGENCY OPERATIONS CENTER	LARGE CINEMASSIVE DISPLAY
M8-03	09-002	EMERGENCY OPERATIONS CENTER	SMALL CINEMASSIVE DISPLAY
M8-04	09-012	PANTRY	WALL MTD DISPLAY
M8-05	09-013	LOGISTICS CENTER	WALL MTD DISPLAY
M8-06	09-013	LOGISTICS CENTER	WALL MTD DISPLAY
M8-07	09-015	JOINT INFORMATION CENTER	WALL MTD DISPLAY
M8-08	09-015	JOINT INFORMATION CENTER	WALL MTD DISPLAY
M8-09	09-015	JOINT INFORMATION CENTER	WALL MTD DISPLAY
M8-10	09-016	SITUATION ROOM	WALL MTD DISPLAY
M8-11	09-016	SITUATION ROOM	WALL MTD DISPLAY
M8-12	09-016	SITUATION ROOM	WALL MTD DISPLAY
M8-13	09-016	SITUATION ROOM	WALL MTD DISPLAY
M8-14	09-016	SITUATION ROOM	WALL MTD DISPLAY
M8-15	09-016	SITUATION ROOM	WALL MTD DISPLAY
M8-16	09-016	SITUATION ROOM	WALL MTD DISPLAY
M8-17	09-016	SITUATION ROOM	WALL MTD DISPLAY
M8-18	09-016	SITUATION ROOM	WALL MTD DISPLAY
M8-19	09-017	REGIONAL INTEGRATION CENTER	WALL MTD DISPLAY
M8-20	09-017	REGIONAL INTEGRATION CENTER	WALL MTD DISPLAY
M8-21	09-011	LOCKERS	WALL MTD DISPLAY
M10-01	10-013	IT REPAIR / TECH STORAGE	WALL MTD DISPLAY
M10-02	10-014	MULTI-FUNCTION ROOM "A"	WALL MTD DISPLAY
M10-03	10-015	MULTI-FUNCTION ROOM "B"	WALL MTD DISPLAY
M10-04	10-016	DINING	WALL MTD DISPLAY
M10-05	10-016	DINING	WALL MTD DISPLAY
M10-06	10-023	GREEN ROOM	WALL MTD DISPLAY



**IEI GROUP, LTD.**  
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 Chadds Ford, PA 19317  
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 PROJECT TITLE:  
**THE CITY OF PHILADELPHIA**  
**OFFICE OF EMERGENCY MANAGEMENT**  
**PHILADELPHIA PUBLIC SERVICES BUILDING**  
**400 NORTH BROAD STREET, PHILADELPHIA, PA 19130**  
**FLOORS 8, 9 AND 10**

**ISSUED FOR BIDS**  
**09/18/2020**  
 (NOT FOR CONSTRUCTION)

ISSUES/REVISIONS:  
 1 9/18/2020 ISSUED FOR BIDS

PROJECT NUMBER: 304103-120  
 SCALE: As indicated  
 DATE: 09/18/2020  
 DRAWN BY: SM  
 CHECKED BY: PT

DRAWING TITLE:  
**PARTITION & EQUIPMENT SCHEDULES**

SHEET NO.:  
**A-700**

DOOR SCHEDULE - 08

NUMBER	WIDTH	HEIGHT	DOOR		MATERIAL	FINISH	GLAZING	FRAME			DETAILS			FIRE RATING	HARDWARE	REMARKS
			TYPE					TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL			
08-006.1	(2) 3'-0"	7'-0"	FF	WD	WD			A	HM		H1	J1	-	45 MIN	0001	SEE NOTE #4
08-011.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J1	-		0005	
08-012.1	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J1	-		0006	
08-013.1	3'-0"	7'-0"	A	WD	WD			-	ALUM		H1	J2	-		0002	
08-016.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0005	SEE NOTE #6
08-017.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0004	SEE NOTE #6
08-018.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0002	SEE NOTE #6
08-021.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0003	SEE NOTE #7
08-022.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0003	SEE NOTE #7
08-022.2	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0033	SEE NOTE #7
08-024.1	3'-0"	7'-0"	A	WD	WD			-	ALUM		H1	J1	-		0002	
08-025.1	3'-0"	7'-0"	A	WD	WD			-	ALUM		H1	J1	-		0006	

DOOR SCHEDULE - 09

NUMBER	WIDTH	HEIGHT	DOOR		MATERIAL	FINISH	GLAZING	FRAME			DETAILS			FIRE RATING	HARDWARE	REMARKS
			TYPE					TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL			
09-002.1	3'-0"	7'-0"	A	WD	WD			-	ALUM		H1	J1	-		0007	SEE NOTE #4
09-002.2	1'-6" & 3'-0"	7'-0"	AA	WD	WD			A	HM		H1	J1	-		0008	SEE NOTE #4
09-006.1	(2) 3'-0"	7'-0"	FF	WD	WD			A	HM		H1	J1	-	45 MIN	0001	SEE NOTE #4
09-012.1	3'-0"	7'-0"	A	WD	WD			-	ALUM		H1	J1	-		0016	
09-013.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0009	SEE NOTE #4
09-013.2	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0010	
09-015.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0011	SEE NOTE #4
09-015.2	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0014	SEE NOTE #8
09-016.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0012	SEE NOTE #4 & #7
09-016.2	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0012	SEE NOTE #4 & #7
09-017.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J1	-		0013	SEE NOTE #4
09-017.2	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0015	SEE NOTE #8

DOOR SCHEDULE - 10

NUMBER	WIDTH	HEIGHT	DOOR		MATERIAL	FINISH	GLAZING	FRAME			DETAILS			FIRE RATING	HARDWARE	REMARKS
			TYPE					TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL			
10-008.1	(2) 3'-0"	7'-0"	FF	WD	WD			A	HM		H1	J1	-	45 MIN	0001	SEE NOTE #4
10-012.1	1'-6" & 3'-0"	7'-0"	AA	WD	WD			A	HM		H1	J1	-		0017	SEE NOTE #4
10-012.2	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J1	-		0034	
10-013.1	1'-6" & 3'-0"	7'-0"	AA	WD	WD			A	HM		H1	J1	-		0018	SEE NOTE #4
10-014.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0019	SEE NOTE #8
10-014.2	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0019	SEE NOTE #8
10-015.1	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0019	SEE NOTE #8
10-015.2	3'-0"	7'-0"	A	WD	WD			A	HM		H1	J2	-		0023	SEE NOTE #8
10-016.1	(2) 3'-0"	7'-0"	AA	ALUM	ALUM			-	ALUM		-	-	-		0020	
10-016.1	(2) 3'-0"	7'-0"	AA	WD	WD			-	ALUM		-	-	-		0021	POCKET DOORS
10-020.1	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J1	-		0022	
10-021.1	(2) 3'-0"	7'-0"	FF	HM	HM			A	HM		H1	J1	-		0030	SEE NOTE #4
10-022.1	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J1	-		0024	SEE NOTE #4
10-023.1	3'-0"	7'-0"	A	WD	WD			-	ALUM		-	-	-		0025	
10-025.1	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J1	-		0025	
10-026.1	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J1	-		0026	
10-029.1	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J1	-		0026	
10-030.1	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J1	-		0027	
10-031.1	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J2	-		0028	SEE NOTE #8
10-031.2	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J2	-		0029	SEE NOTE #8
10-032.1	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J1	-		0031	

DOOR SCHEDULE - 12

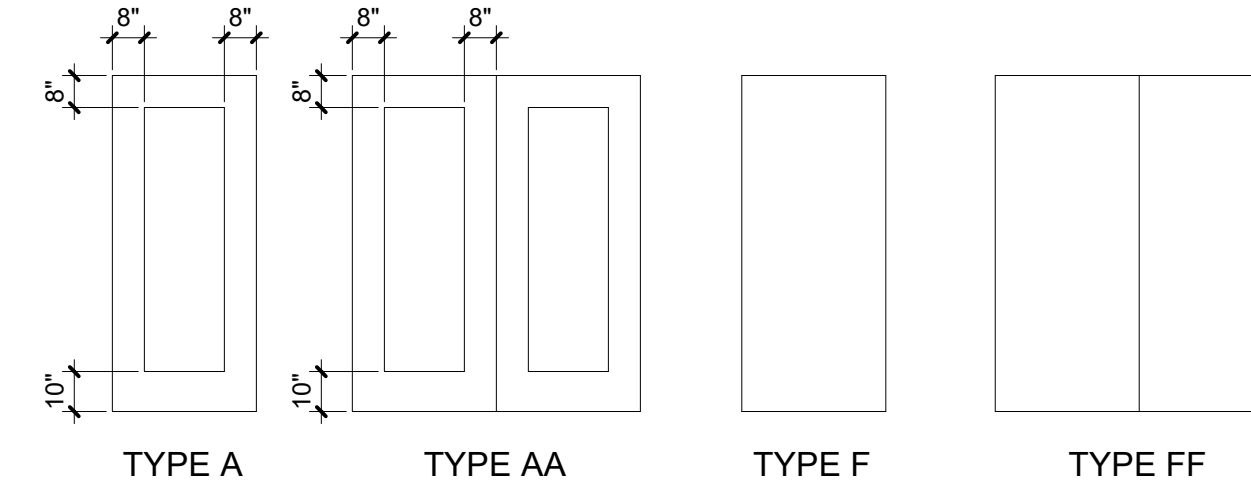
NUMBER	WIDTH	HEIGHT	DOOR		MATERIAL	FINISH	GLAZING	FRAME			DETAILS			FIRE RATING	HARDWARE	REMARKS
			TYPE					TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL			
12-002.1	3'-0"	7'-0"	F	WD	WD			A	HM		H1	J1	-			

DOOR SCHEDULE NOTES

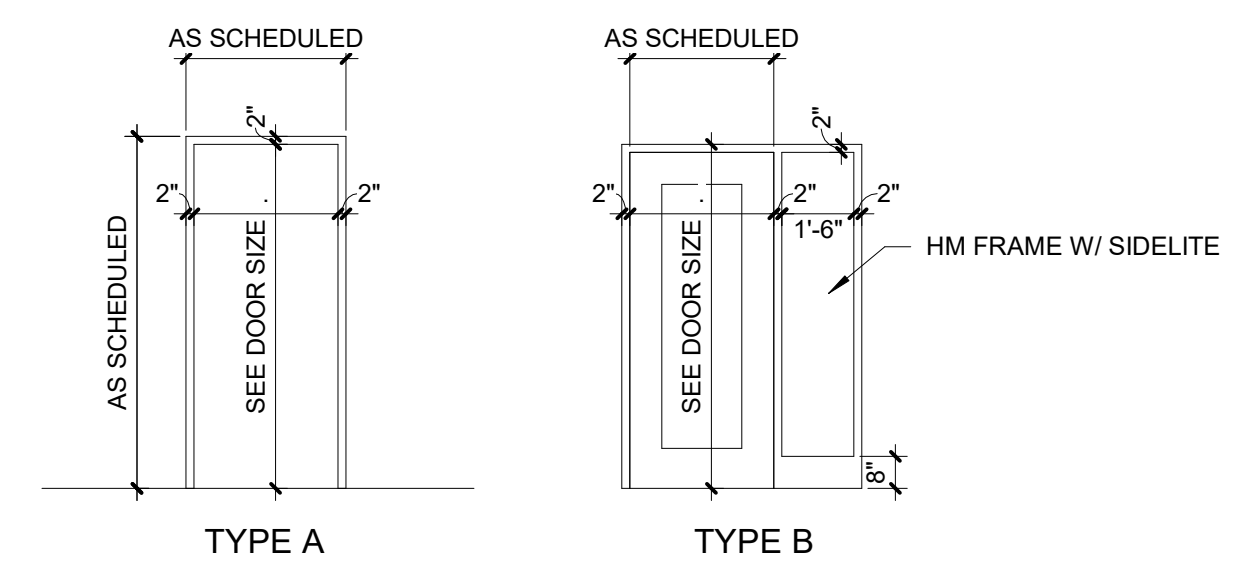
- 1 ALL NEW DOORS AND FRAMES TO MATCH BUILDING STANDARD UNLESS NOTED OTHERWISE.
- 2 ALL HARDWARE TO BE ADA COMPLIANT PER APPLICABLE CODES.
- 3 EACH DOOR TO RECEIVE THREE (3) SILENCERS EACH.
- 4 PROVIDE CARD READER WHERE NOTED ON PLANS.
- 5 STC 40 ACOUSTIC RATED DOOR
- 6 STC 45 ACOUSTIC RATED DOOR
- 7 STC 50 ACOUSTIC RATED DOOR
- 8 STC 52 ACOUSTIC RATED DOOR

DOOR SCHEDULE LEGEND

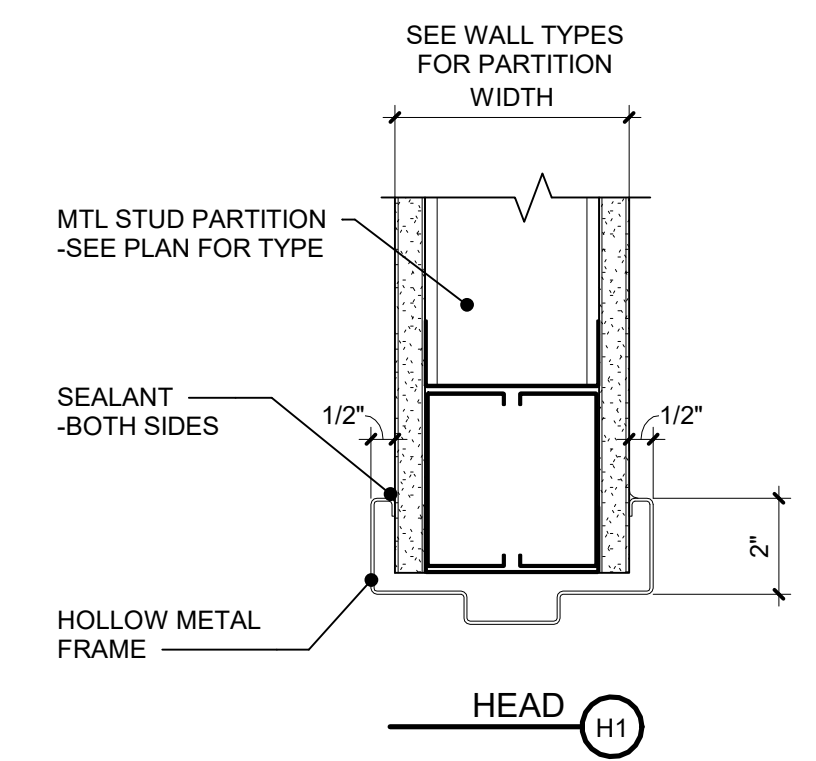
MATERIAL	FINISH
HM HOLLOW METAL	FACT FACTORY FINISH
WD WOOD VENEER	PT PAINT
TEMP TEMPERED GLASS	
ALUM ALUMINUM	



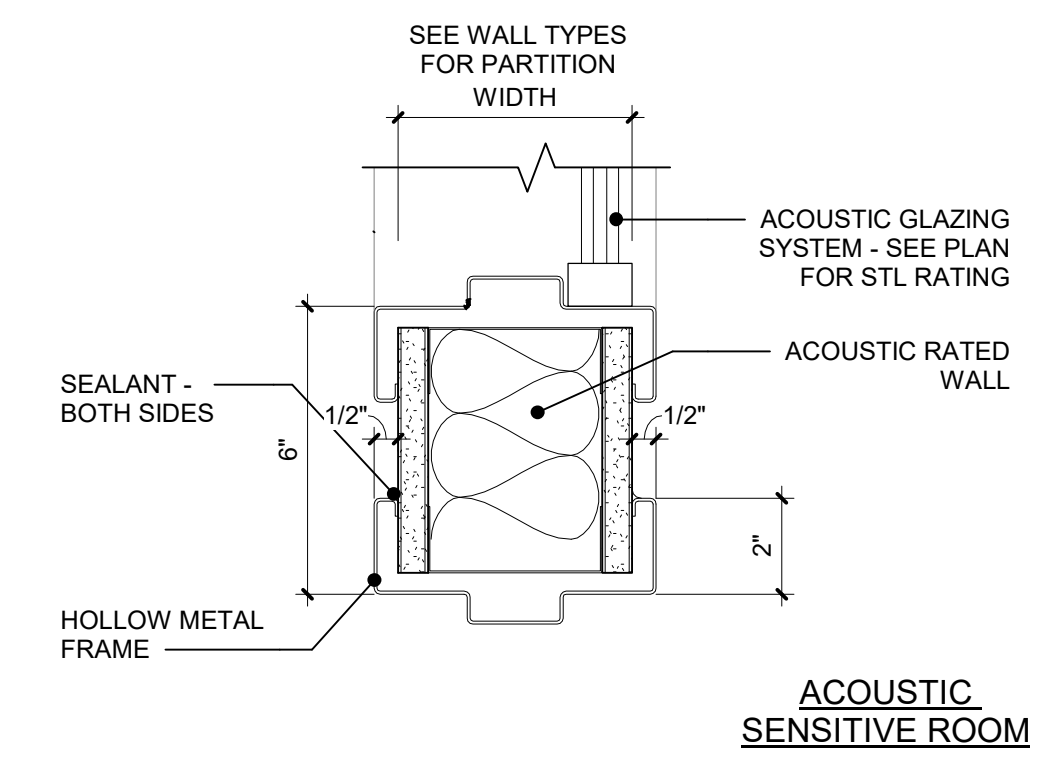
1 DOOR TYPES  
SCALE: 1/4" = 1'-0"



2 FRAME ELEVATIONS  
SCALE: 1/4" = 1'-0"



3 DOOR HEAD/JAMB DETAIL  
SCALE: 3" = 1'-0"



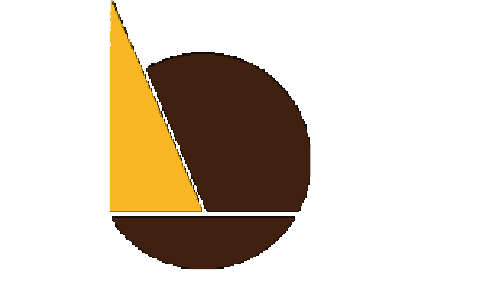
4 DOOR HEAD/JAMB DETAIL - ACOUSTIC  
SCALE: 3" = 1'-0"



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PHILADELPHIA PUBLIC SERVICES BUILDING  
400 NORTH BROAD STREET, PHILADELPHIA, PA 19130  
FLOORS 8, 9 AND 10**

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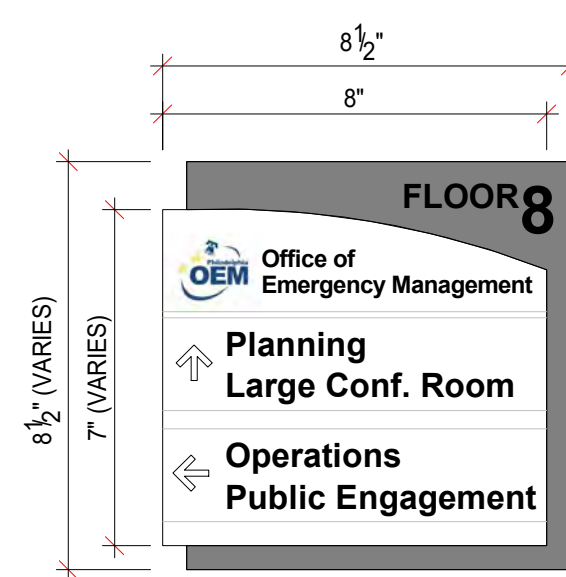
DRAWING TITLE:  
**DOOR SCHEDULE**

SHEET NO:  
**A-701**



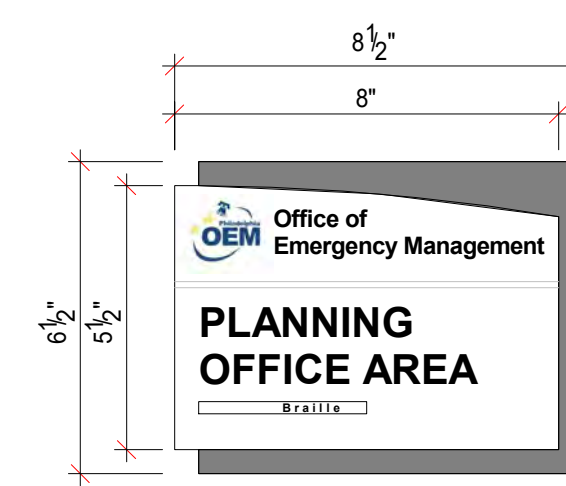
**TYPE A**  
ELEVATOR LOBBY DIRECTORY  
INTERCHANGEABLE INSERTS  
WALL MOUNT

**A**



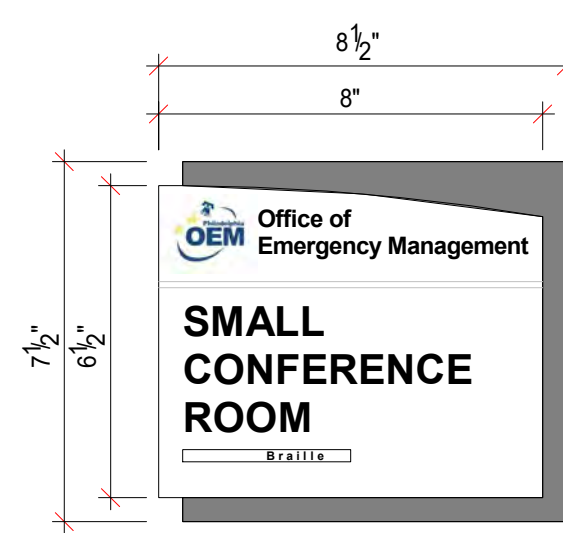
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WALL DIRECTIONAL  
INTERCHANGEABLE INSERTS  
WALL MOUNT

**2**



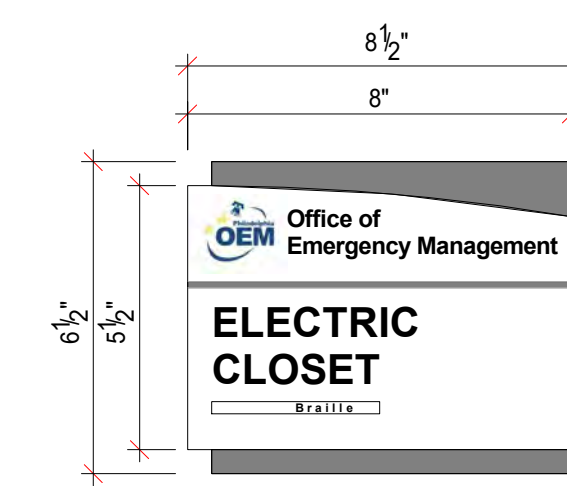
**TYPE 3**  
DEPARTMENT ID  
PERMANENT  
WALL MOUNT

**3**



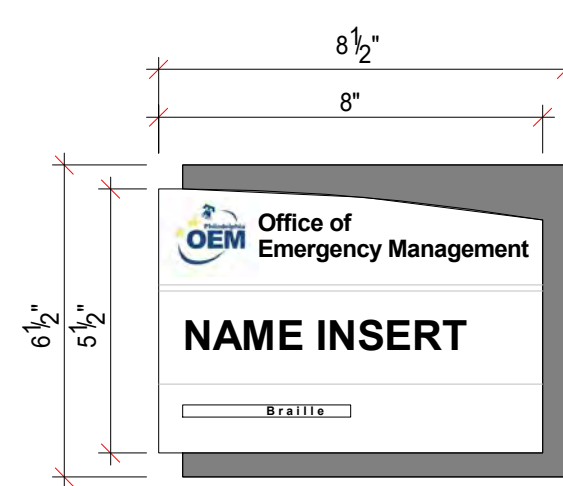
**TYPE 4**  
ROOM ID - LARGE  
PERMANENT  
WALL MOUNT

**4**



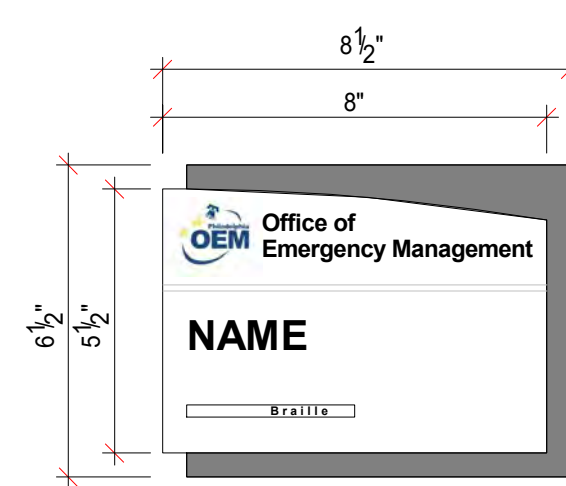
**TYPE 4A**  
ROOM ID - SMALL  
PERMANENT  
WALL MOUNT

**4A**



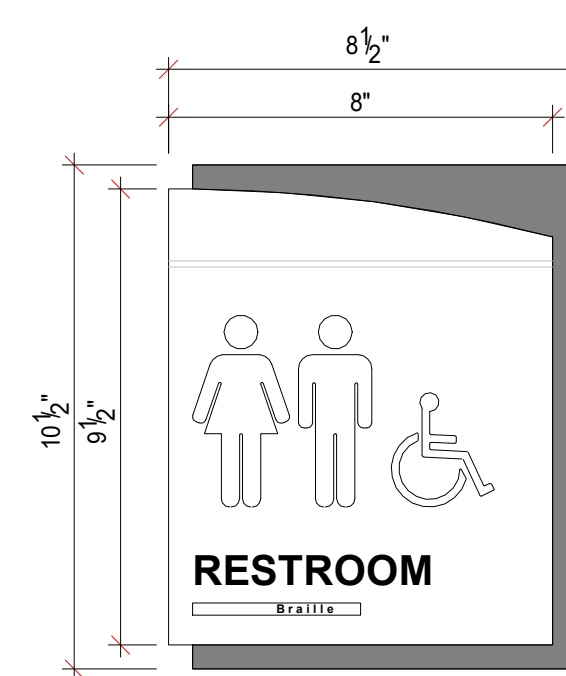
**TYPE 4D**  
ROOM ID - OFFICE  
INTERCHANGEABLE INSERT  
WALL MOUNT

**4D**



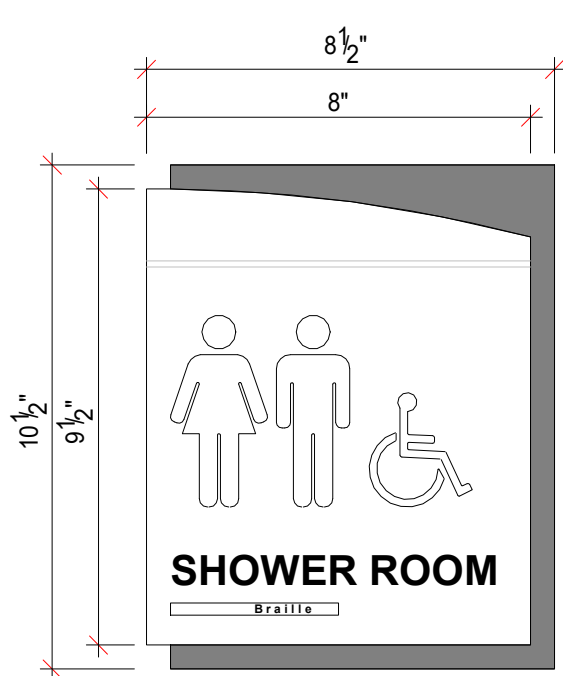
**TYPE 4E**  
ROOM ID - OFFICE  
PERMANENT  
WALL MOUNT

**4E**



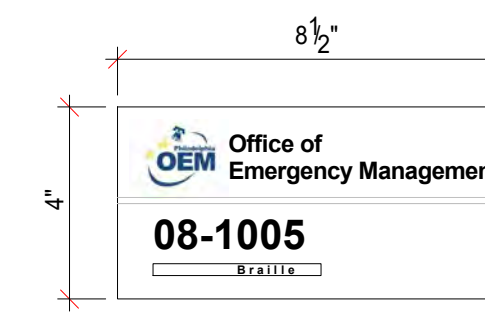
**TYPE 5**  
ROOM ID - RESTROOM  
PERMANENT  
WALL MOUNT

**5A**



**TYPE 5**  
ROOM ID - RESTROOM  
PERMANENT  
WALL MOUNT

**5D**



**TYPE 16**  
WORKSTATION ID  
WORKSTATION NUMBER  
WORKSTATION MOUNT

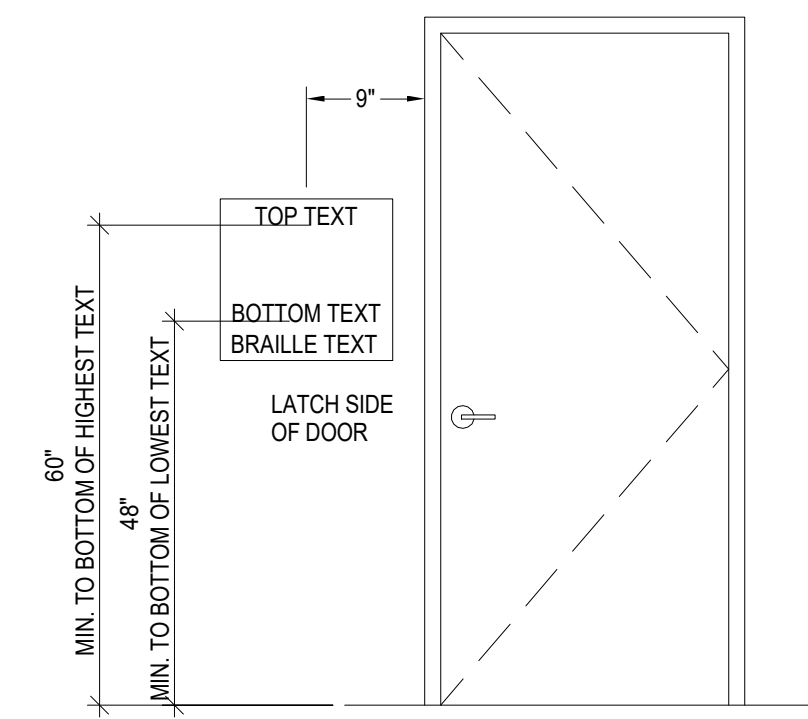
**16**

**SIGN TYPE LEGEND**

<b>2</b>	2	DIRECTIONAL
<b>3</b>	3	DEPARTMENT ID
<b>4</b>	4	ROOM ID
<b>4A</b>	4A	ROOM ID - SMALL
<b>4D</b>	4D	ROOM ID - OFFICE
<b>4E</b>	4E	ROOM ID - OFFICE
<b>5A</b>	5A	ROOM ID - UNISEX RESTROOM
<b>5D</b>	5D	ROOM ID - UNISEX SHOWER ROOM
<b>16</b>	16	WORKSTATION ID
<b>A</b>	A	ELEVATOR LOBBY DIRECTORY

**GENERAL NOTES**

- SIGNS TO BE ONE-PIECE SIGN PANEL. SEE SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION.
- SIGNAGE FONTS TO COMPLY WITH CITY OF PHILADELPHIA DIGITAL STANDARDS - TYPOGRAPHY. TYPICAL SIGN FONT = OPEN SANS SEMI BOLD
- LOGO IMAGE = CITY OF PHILADELPHIA OFFICE OF EMERGENCY MANAGEMENT LOGO. FINAL IMAGE TO BE CONFIRMED DURING SUBMITTAL REVIEW.
- SIGN DESIGN, COLORS AND LAYOUT SHOWN IN THESE DRAWINGS REPRESENT THE DESIGN INTENTION.
- SEE SIGN TYPE 4A FOR TYPICAL SIGN INFORMATION.



- NOTES**
- WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL.
  - DOOR-MOUNTED SIGNS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.
  - ACCESSIBILITY SIGNS (♿) ARE REQUIRED ON UNISEX TOILET ROOMS WITH TACTILE CHARACTERS THAT SHALL BE DUPLICATED IN BRAILLE.
  - SIGNAGE REQUIREMENTS ARE TO COMPLY WITH ANSI A117.1-2010, SECTION 703 AND ADA ACCESSIBILITY REGULATIONS.



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CHECKED BY: PT

DRAWING TITLE:  
**SIGN TYPES &  
ELEVATIONS**

SHEET NO.:  
**AI-900**

GENERAL NOTES - SIGNAGE

1. SEE AI-900 FOR SIGNAGE ELEVATIONS & GENERAL NOTES - SIGNAGE.



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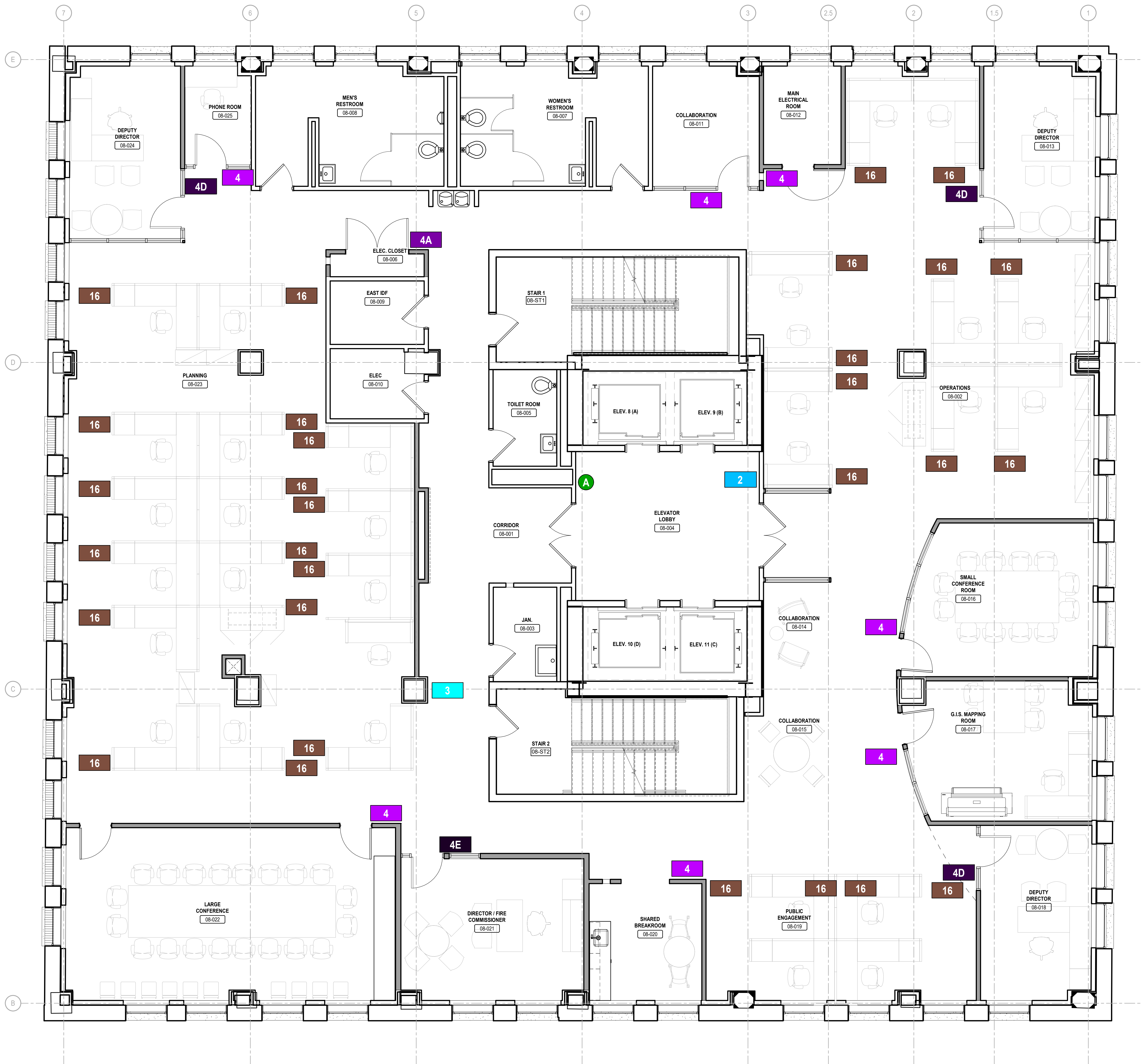
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PROJECT NUMBER: 304103-120  
SCALE: As indicated  
DATE: 09/18/2020  
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DRAWING TITLE:  
**8TH FLOOR SIGNAGE PLAN**

SHEET NO:  
**AI-908**

PRINTED ON: 9/22/2020 12:52:22 PM

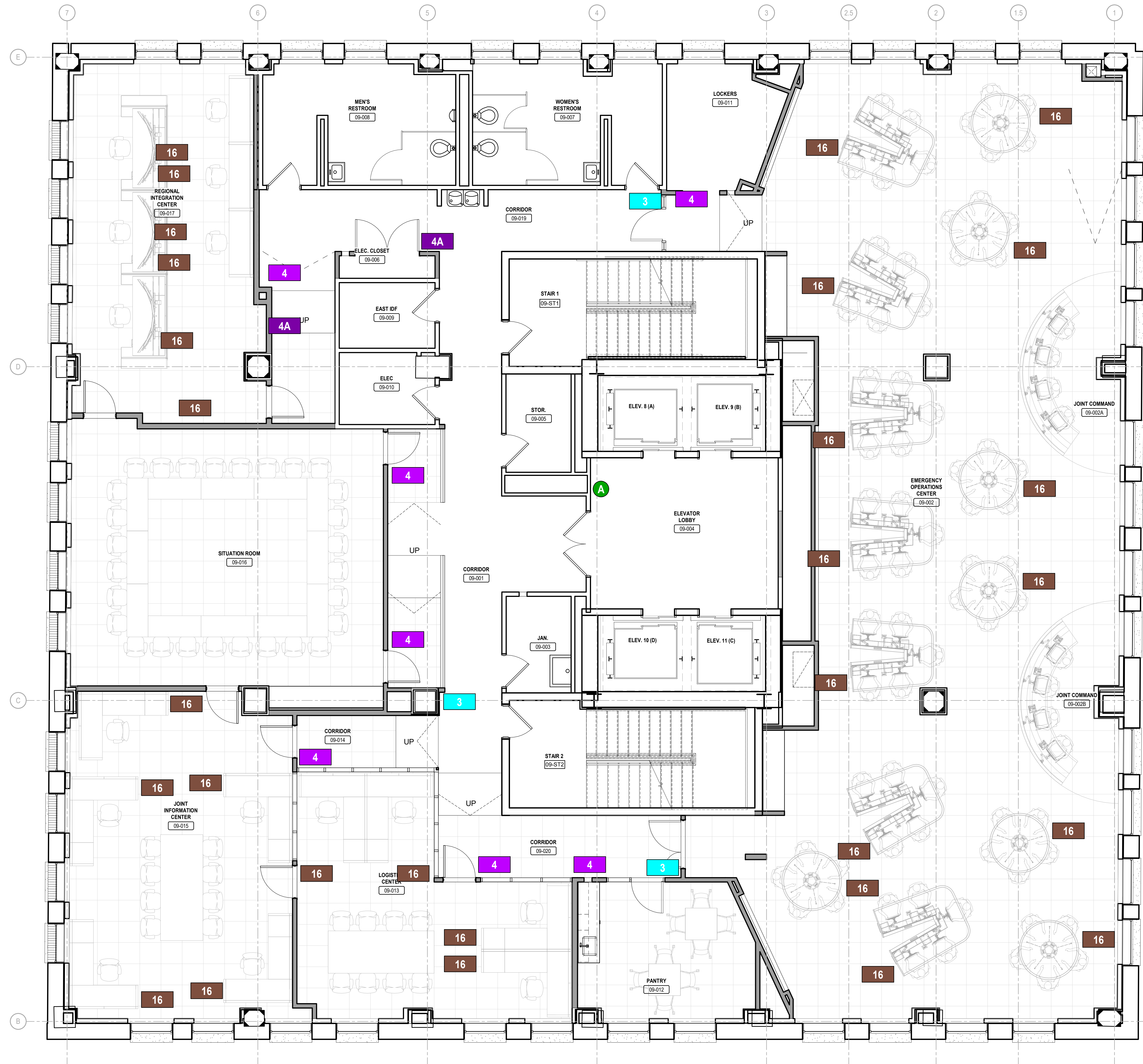


1 8TH FLOOR SIGNAGE PLAN  
SCALE: 1/4" = 1'-0"

BIM 360://PPSS - Office of Emergency Management/304103-120\_PPSS\_OEM - ARCH-DOCUMENTATION - 08-10 - Eight-Tenth Floors.rvt

GENERAL NOTES - SIGNAGE

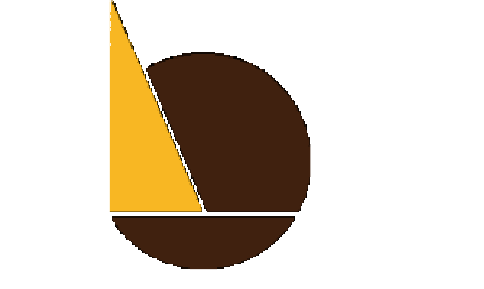
1. SEE AI-900 FOR SIGNAGE ELEVATIONS & GENERAL NOTES - SIGNAGE.



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PROJECT NUMBER: 304103-120  
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DATE: 09/18/2020  
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CHECKED BY: PT

DRAWING TITLE:  
**9TH FLOOR  
SIGNAGE PLAN**

SHEET NO.:  
**AI-909**

PRINTED ON: 9/22/2020 12:52:27 PM

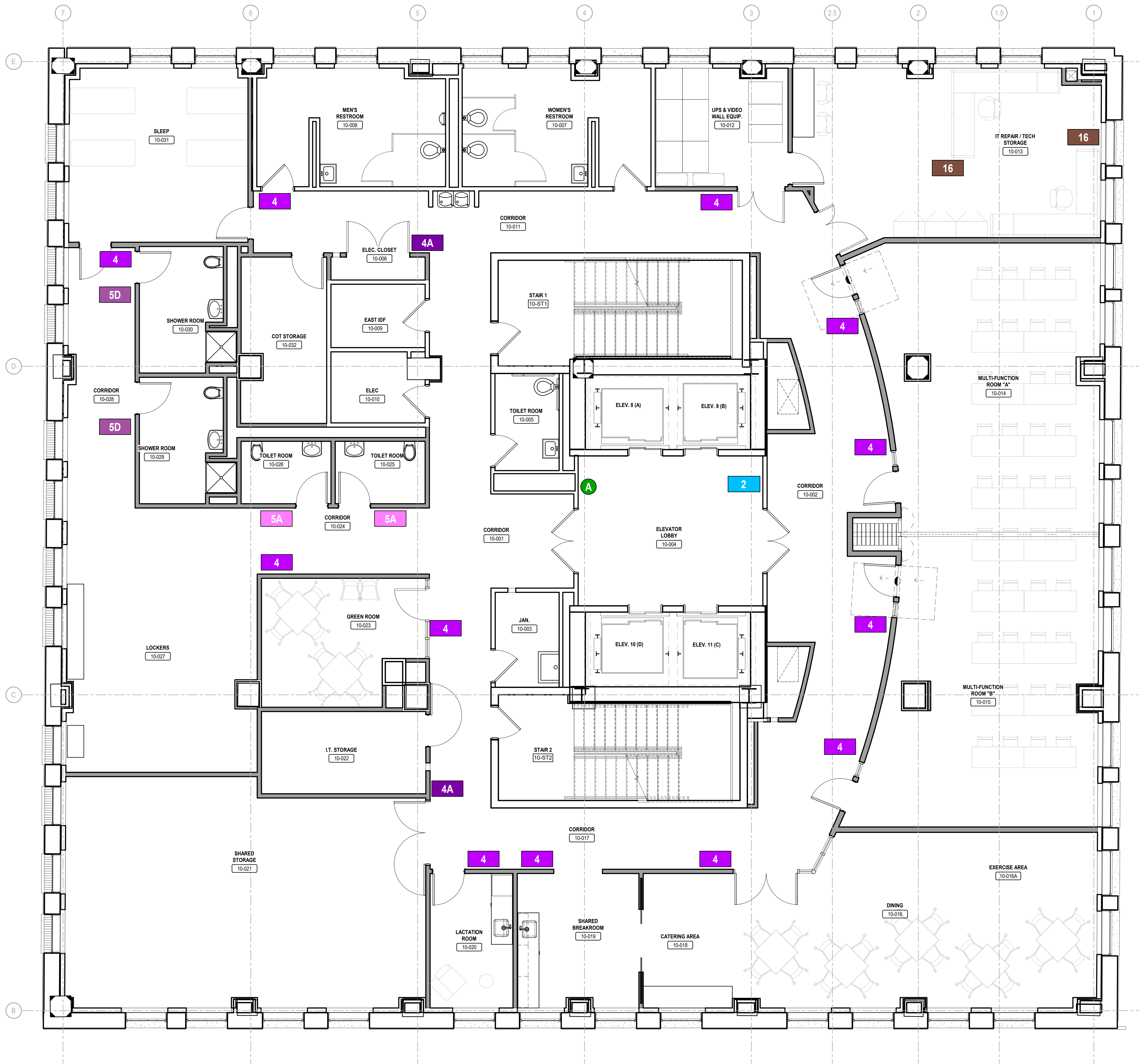
BIM 360://PPSB - Office of Emergency Management/304103-120\_PPSB\_OEM - ARCH-DOCUMENTATION - 09-10 - Eighth-Floor-Floor-INT

1 9TH FLOOR SIGNAGE PLAN  
SCALE: 1/4" = 1'-0"



GENERAL NOTES - SIGNAGE

1. SEE A1-900 FOR SIGNAGE ELEVATIONS & GENERAL NOTES - SIGNAGE.



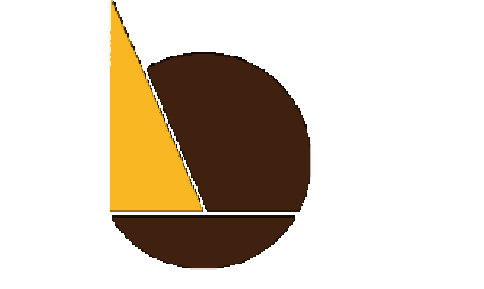
1 10TH FLOOR SIGNAGE PLAN  
SCALE: 1/4" = 1'-0"



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DRAWING TITLE:  
10TH FLOOR  
SIGNAGE PLAN

SHEET NO:  
A1-910

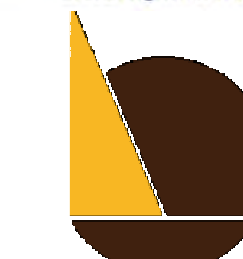


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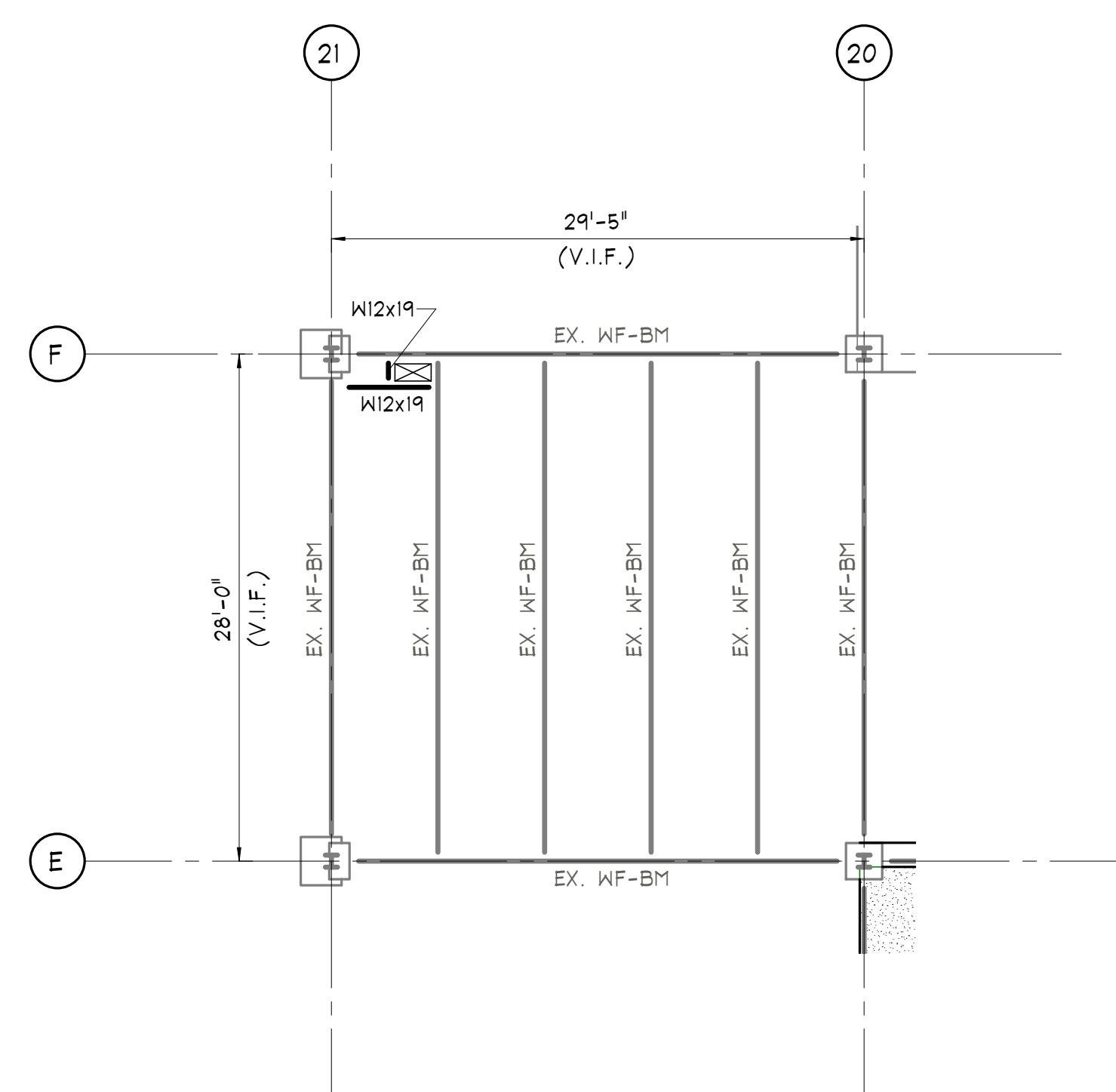
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SCALE: As indicated  
DATE: 09/18/2020  
DRAWN BY: CH  
CHECKED BY: JJD

DRAWING TITLE:  
**PARTIAL FLOOR  
FRAMING PLANS**

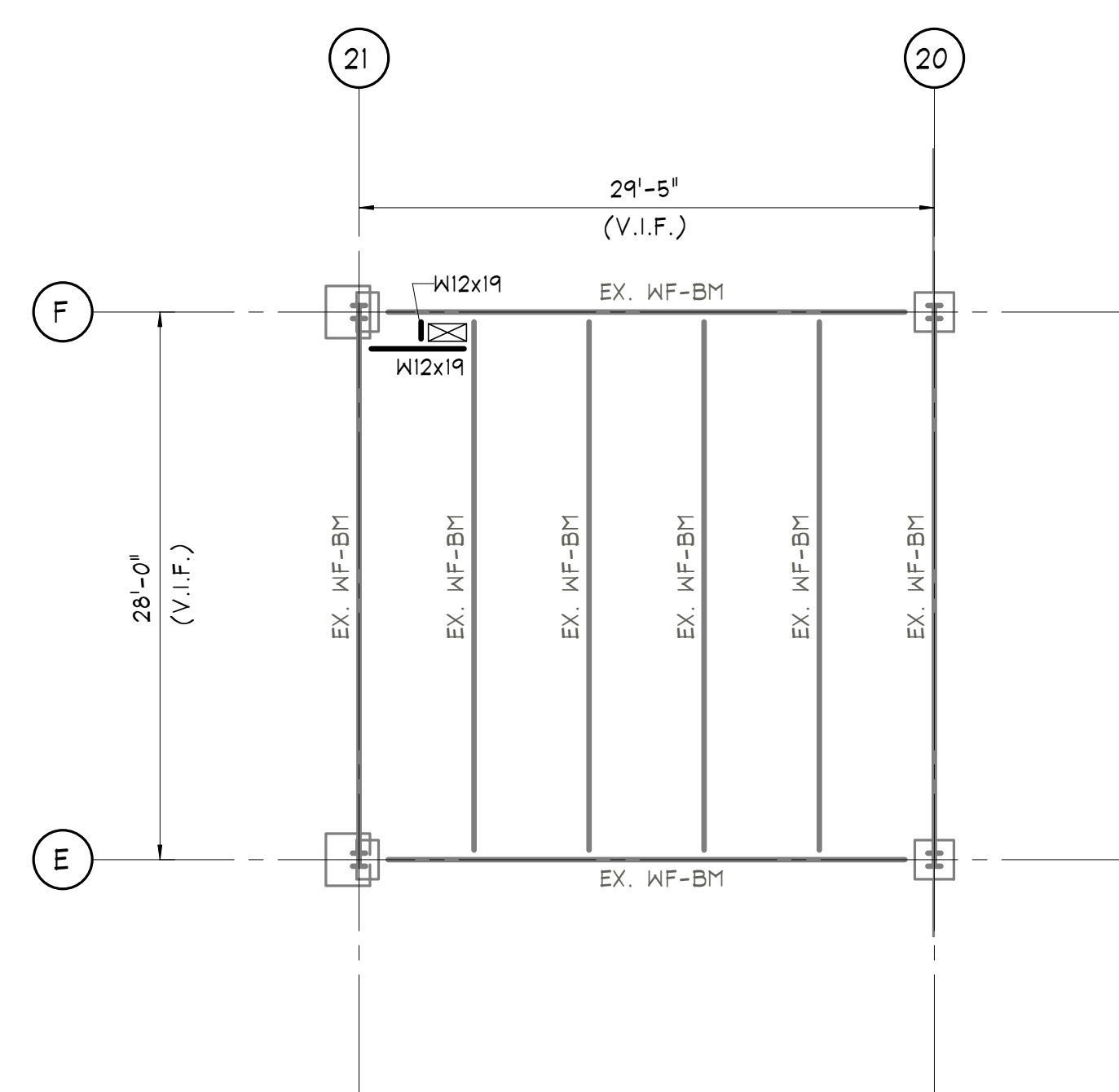
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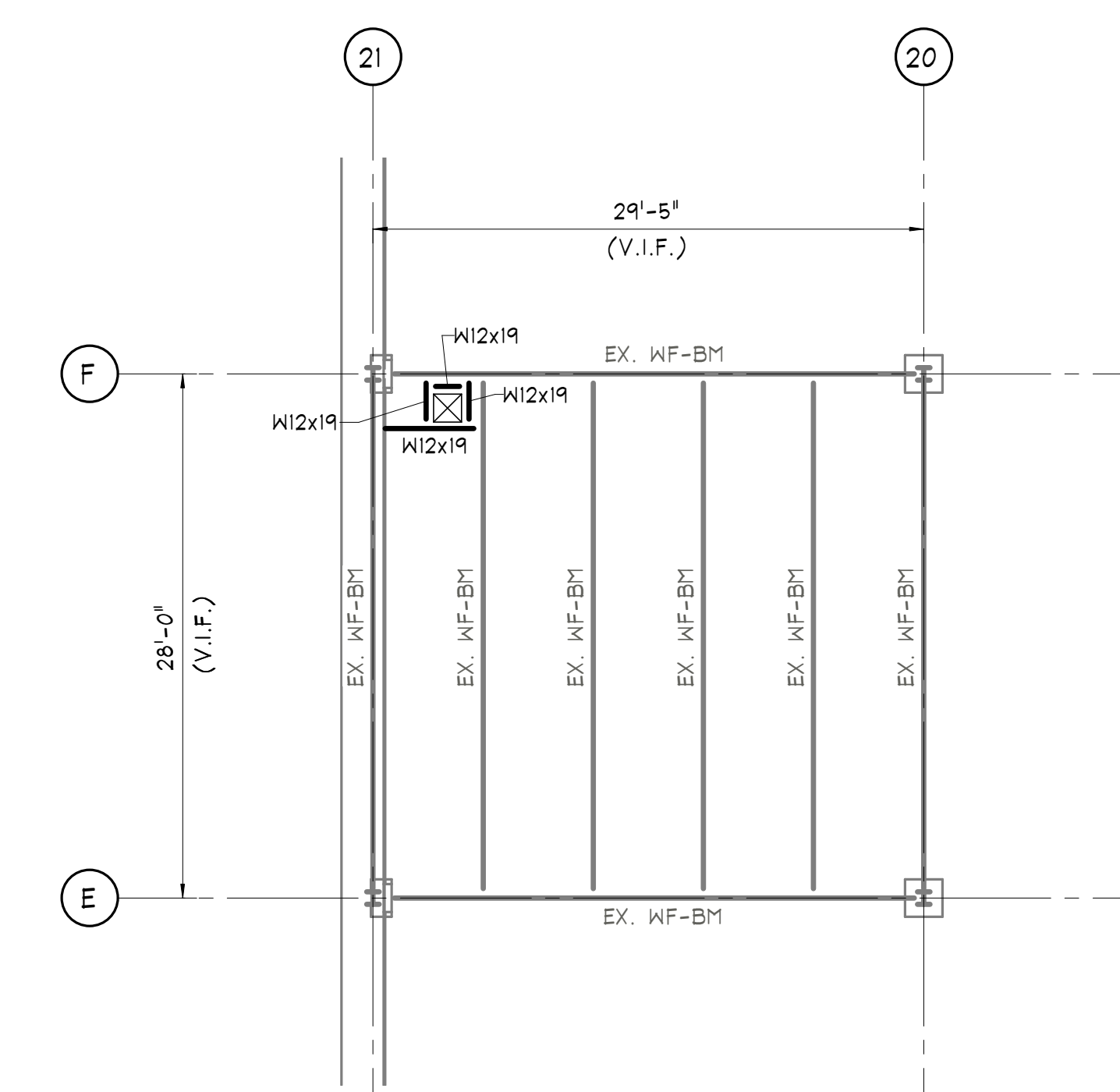
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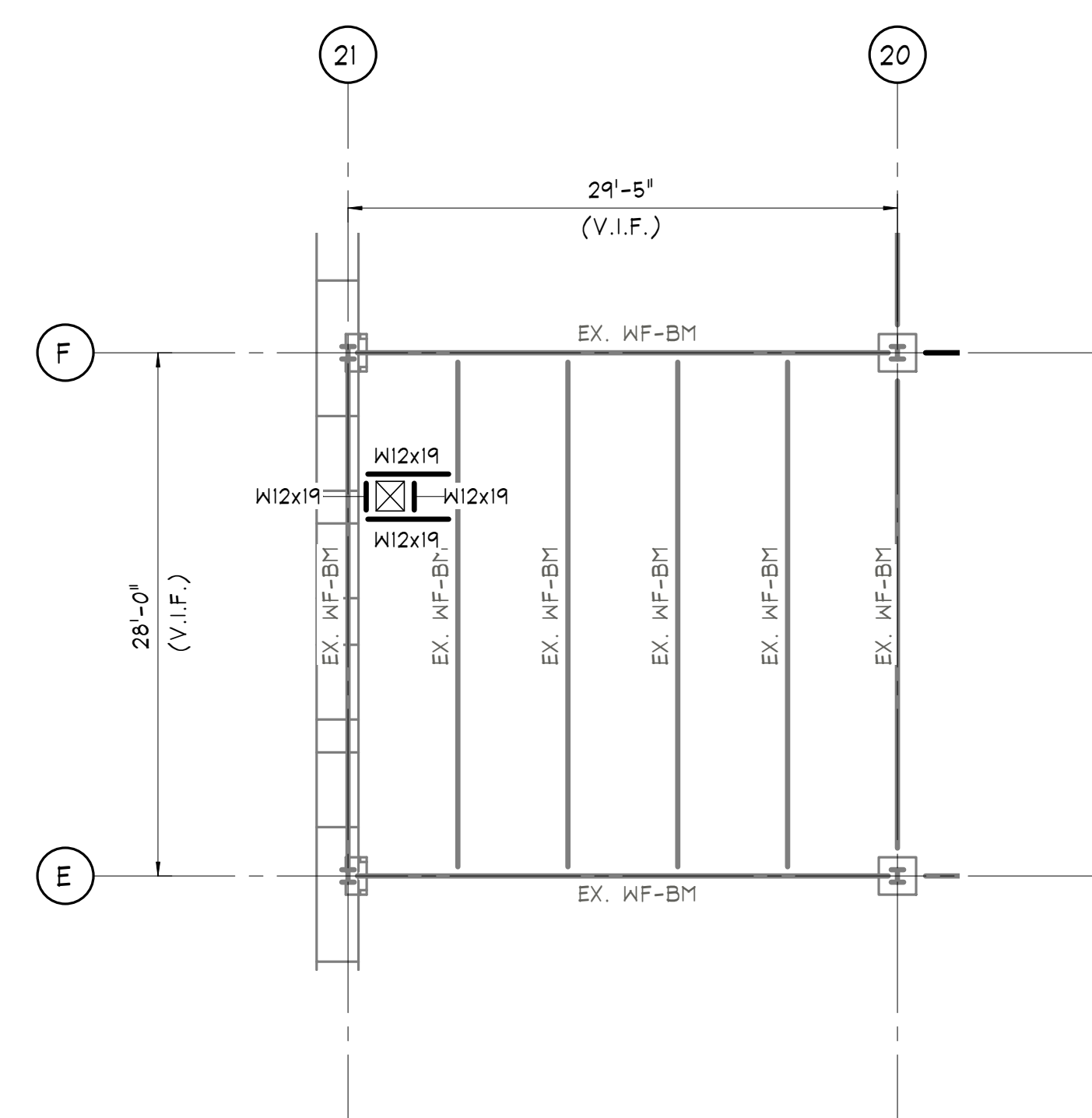
**PARTIAL 1ST FLOOR LEVEL FRAMING PLAN - WEST**  
SCALE: 1/8" = 1'-0"



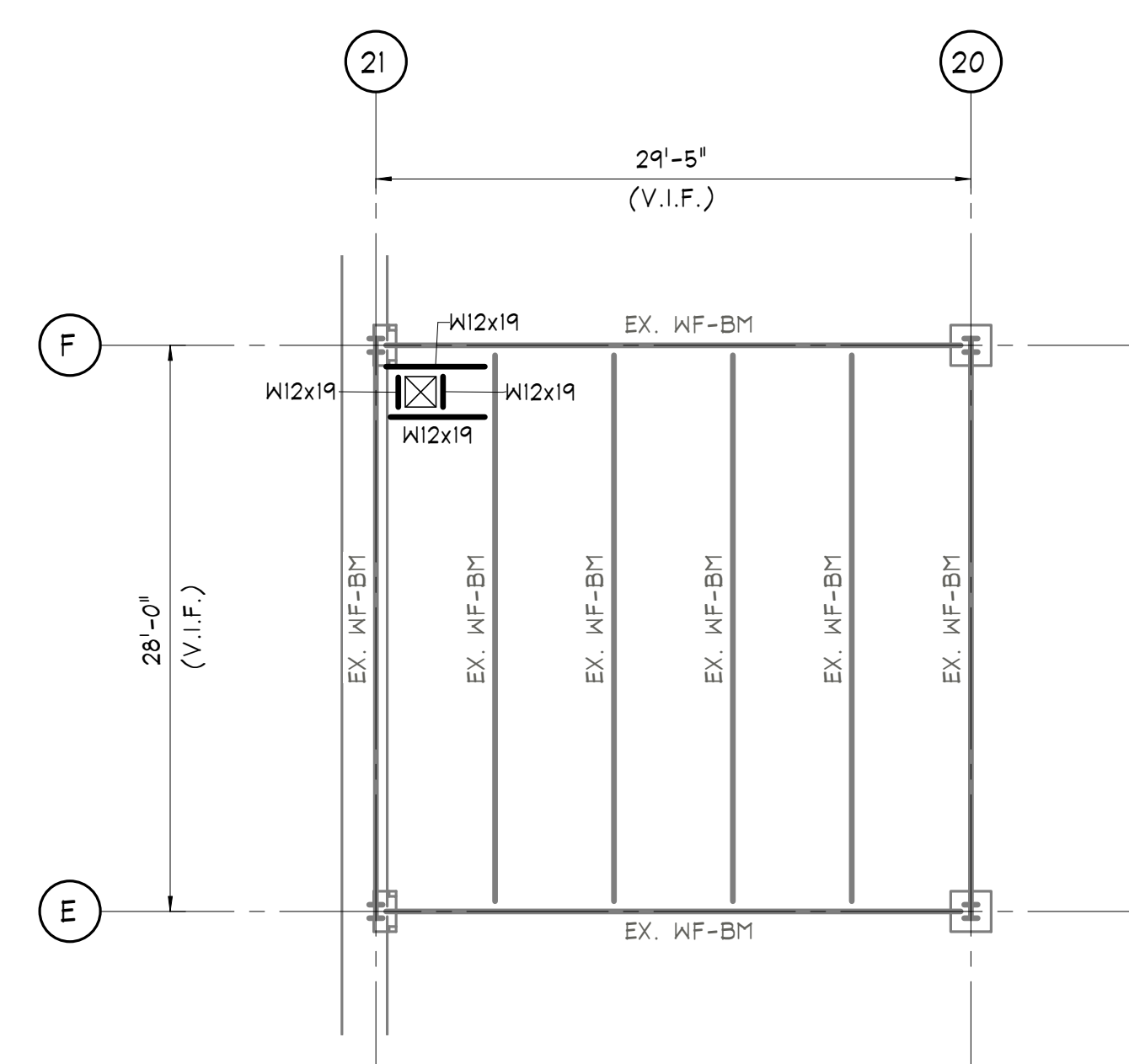
**PARTIAL MEZZANINE LEVEL FRAMING PLAN - WEST**  
SCALE: 1/8" = 1'-0"



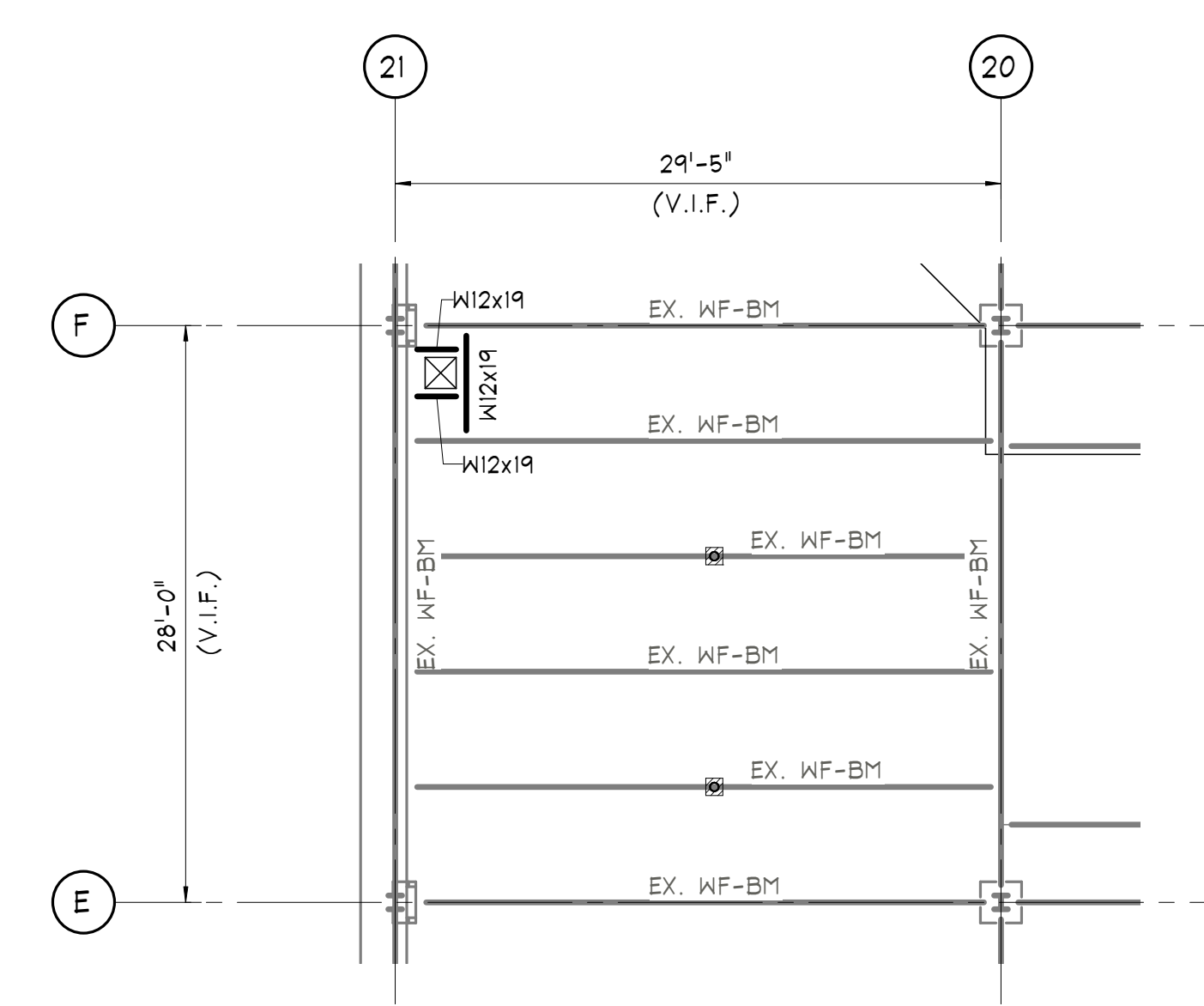
**PARTIAL SECOND FLOOR LEVEL FRAMING PLAN - WEST**  
SCALE: 1/8" = 1'-0"



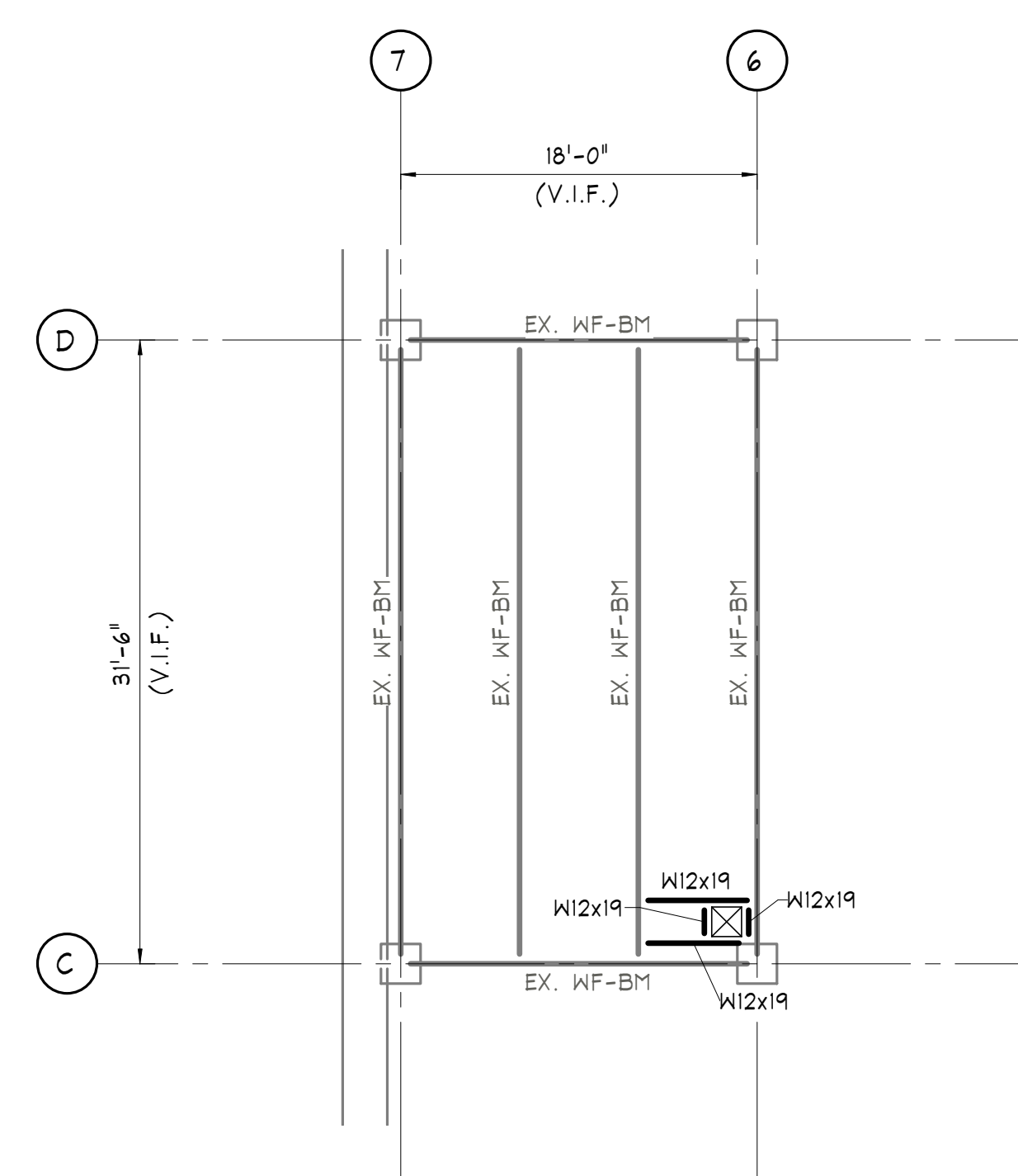
**PARTIAL THIRD FLOOR LEVEL FRAMING PLAN - WEST**  
SCALE: 1/8" = 1'-0"



**FOURTH FLOOR LEVEL FRAMING PLAN - WEST**  
SCALE: 1/8" = 1'-0"



**FIFTH FLOOR LEVEL FRAMING PLAN - WEST**  
SCALE: 1/8" = 1'-0"



**PARTIAL SIXTH, SEVENTH & EIGHT FLOOR FRAMING PLAN - EAST**  
SCALE: 1/8" = 1'-0"

**NOTES:**

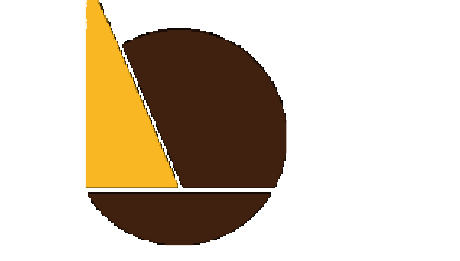
- 1) TOP OF SLAB ELEVATION (V.I.F.), FROM DATUM ELEVATION 0'-0", UNLESS NOTED OTHERWISE.
- 2) TOP OF STEEL (DECK BEARING) EL.: REFER TO TYPICAL DETAILS ON S-400, UNLESS NOTED OTHERWISE.
- 3) REFER TO ARCH. DWGS FOR ALL FLOOR PENETRATION LOCATIONS & DIMENSIONS, TYP. DO NOT OVERCUT NEW OPENINGS IN EXISTING SLABS.
- 4) ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 kips, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.
- 5) G.C. TO PROVIDE SHORING AS REQUIRED.



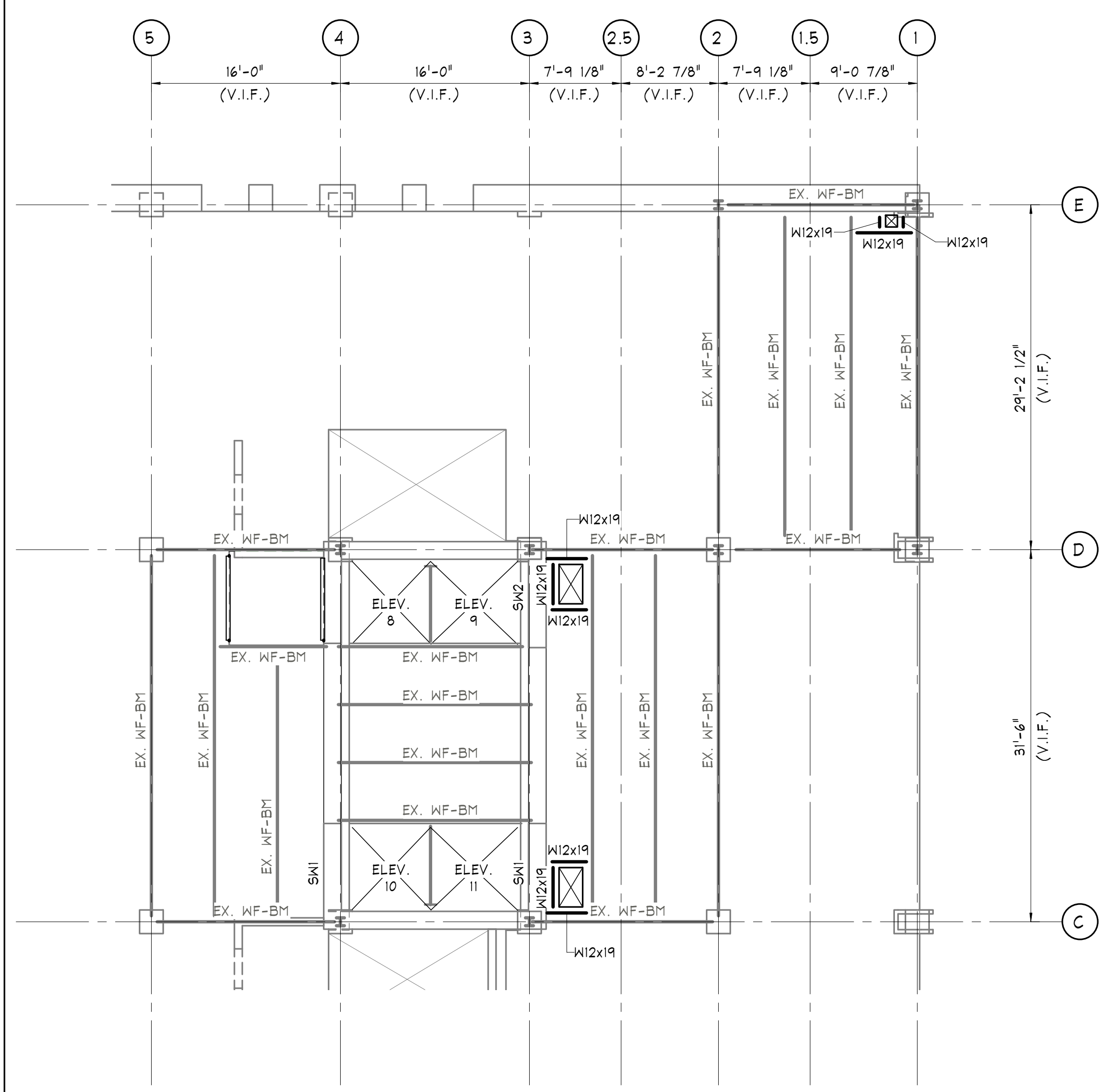
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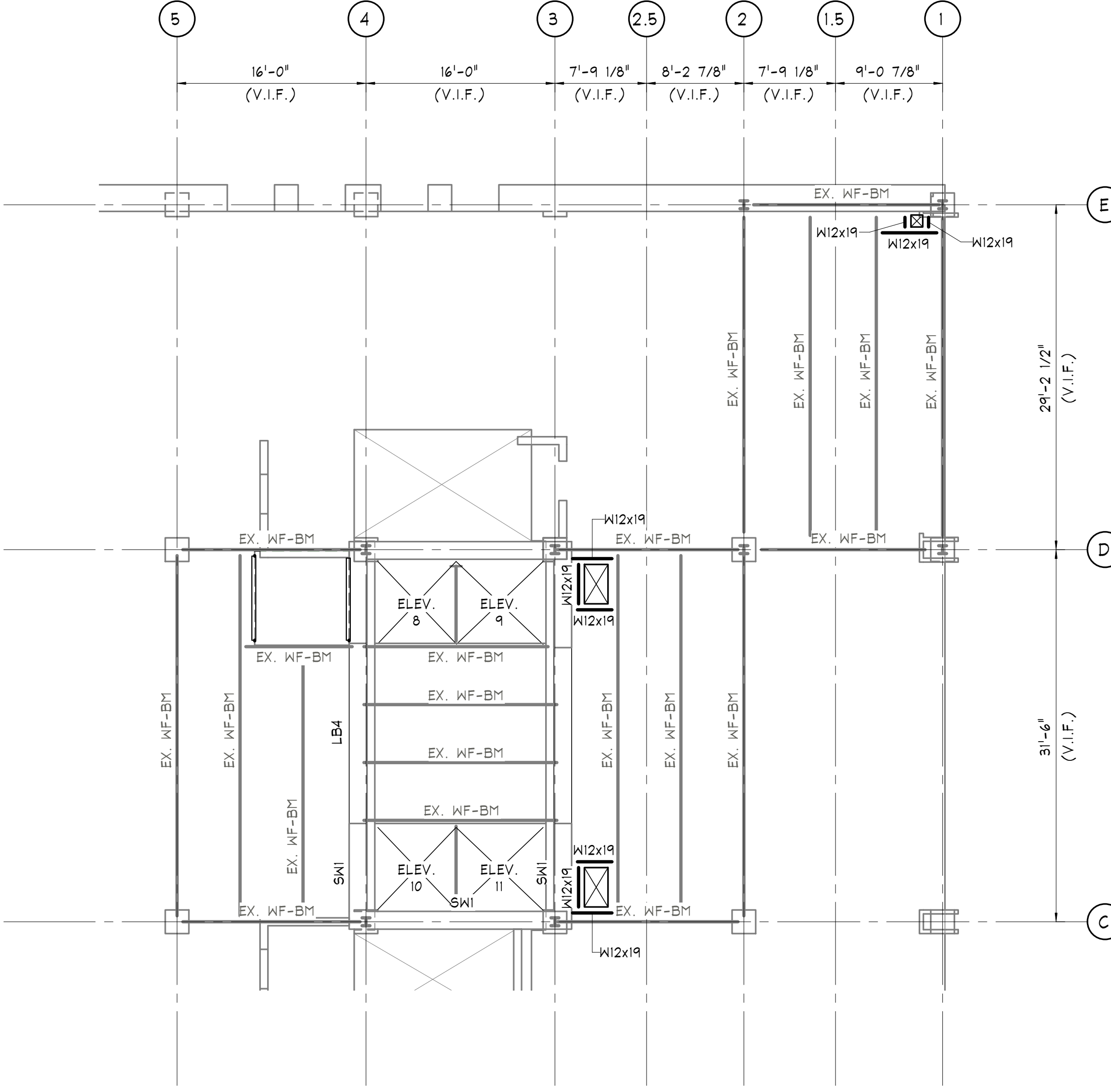


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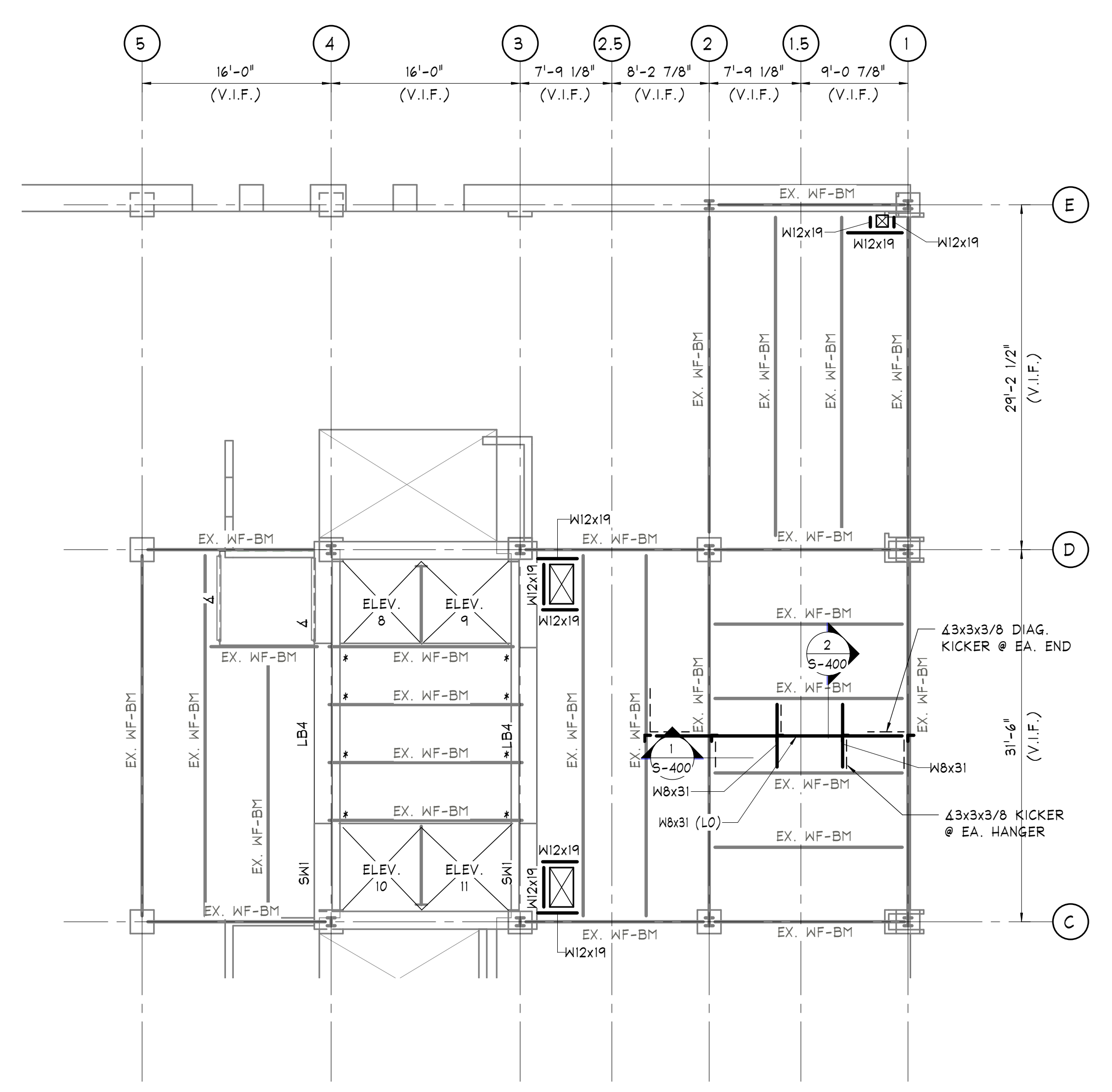
**NINTH FLOOR FRAMING PLAN EAST**

- SCALE: 1/8" = 1'-0"
- NOTES:
- 1) TOP OF SLAB ELEVATION +14'-1" (V.I.F.), FROM DATUM ELEVATION 0'-0", UNLESS NOTED OTHERWISE.
  - 2) TOP OF STEEL (DECK BEARING) EL.: REFER TO TYPICAL DETAILS ON S-400, UNLESS NOTED OTHERWISE.
  - 3) REFER TO ARCH. DWGS FOR ALL FLOOR PENETRATION LOCATIONS & DIMENSIONS, TYP. DO NOT OVERCUT NEW OPENINGS IN EXISTING SLABS.
  - 4) ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 KIIPS, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.
  - 5) G.C. TO PROVIDE SHORING AS REQUIRED.



**TENTH FLOOR FRAMING PLAN EAST**

- SCALE: 1/8" = 1'-0"
- NOTES:
- 1) TOP OF SLAB ELEVATION +12'-1" (V.I.F.), FROM DATUM ELEVATION 0'-0", UNLESS NOTED OTHERWISE.
  - 2) TOP OF STEEL (DECK BEARING) EL.: REFER TO TYPICAL DETAILS ON S-400, UNLESS NOTED OTHERWISE.
  - 3) REFER TO ARCH. DWGS FOR ALL FLOOR PENETRATION LOCATIONS & DIMENSIONS, TYP. DO NOT OVERCUT NEW OPENINGS IN EXISTING SLABS.
  - 4) ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 KIIPS, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.
  - 5) G.C. TO PROVIDE SHORING AS REQUIRED.



**ELEVENTH FLOOR FRAMING PLAN EAST**

- SCALE: 1/8" = 1'-0"
- NOTES:
- 1) TOP OF SLAB ELEVATION +13'-1" (V.I.F.), FROM DATUM ELEVATION 0'-0", UNLESS NOTED OTHERWISE.
  - 2) TOP OF STEEL (DECK BEARING) EL.: REFER TO TYPICAL DETAILS ON S-400, UNLESS NOTED OTHERWISE.
  - 3) REFER TO ARCH. DWGS FOR ALL FLOOR PENETRATION LOCATIONS & DIMENSIONS, TYP. DO NOT OVERCUT NEW OPENINGS IN EXISTING SLABS.
  - 4) ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 KIIPS, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.
  - 5) G.C. TO PROVIDE SHORING AS REQUIRED.

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PROJECT TITLE:  
**400 N. BROAD PARTNERS, L.P.**  
**400 NORTH BROAD STREET PHILADELPHIA, PA**

- PROGRESS SET
- CLIENT REVIEW
- BID SET
- CODE REVIEW SET
- ISSUED FOR CONSTRUCTION

**ISSUED FOR BIDS**  
**9/18/2020**  
 (NOT FOR CONSTRUCTION)

ISSUES/REVISIONS:  
 1 09/18/20 ISSUED FOR BID

PROJECT NUMBER: 304103-120  
 SCALE: As indicated  
 DATE: 09/18/2020  
 DRAWN BY: CH  
 CHECKED BY: JJD

DRAWING TITLE:  
**PARTIAL FRAMING PLANS**

SHEET NO.:  
**S-101**



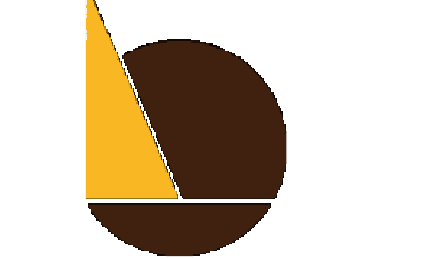
IEI GROUP, LTD.  
IEI ARCHITECTS, INC.

428 North 2nd Street  
Philadelphia, PA 19123  
Telephone: 215 413 3700

CONSULTANTS:

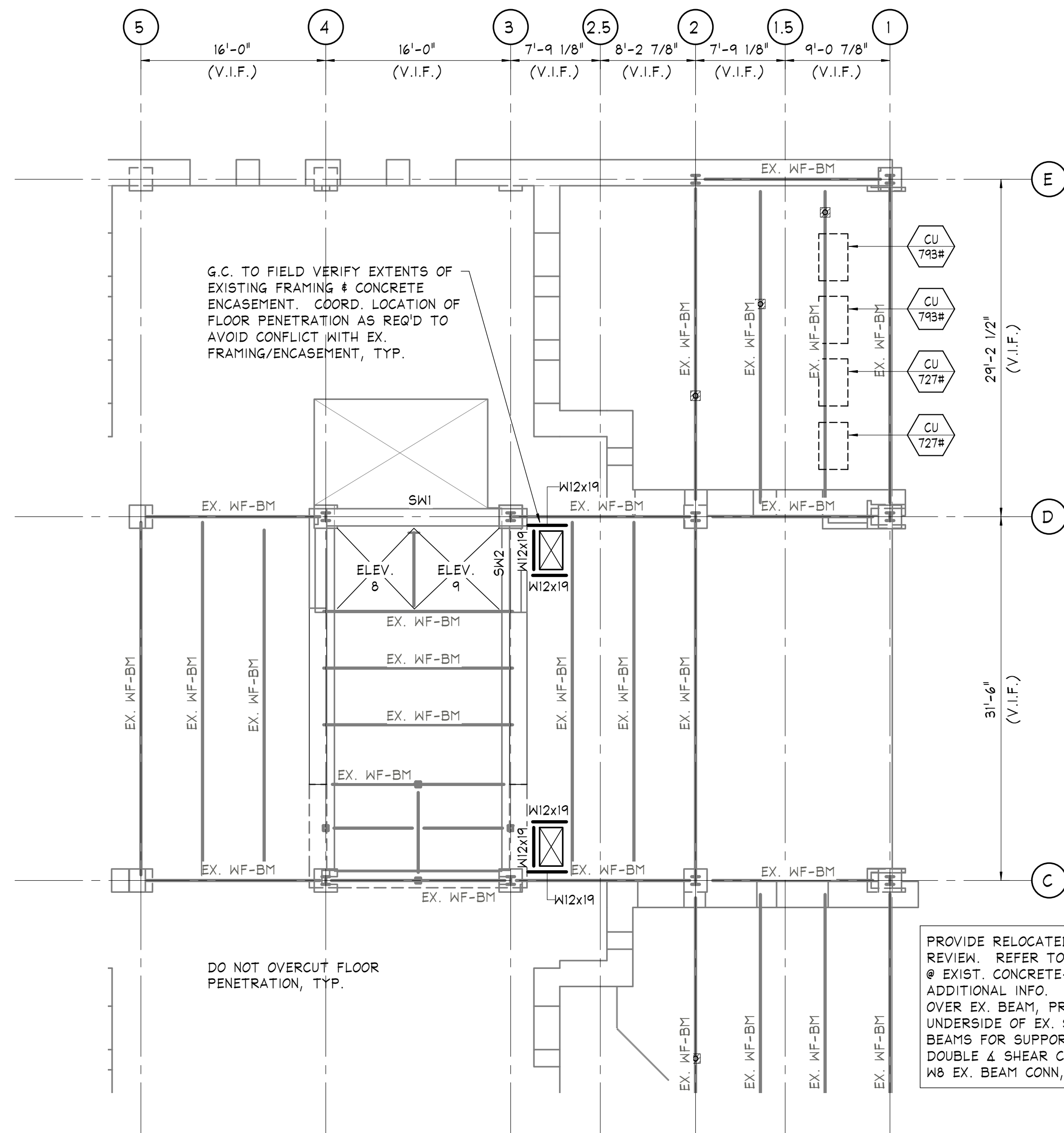


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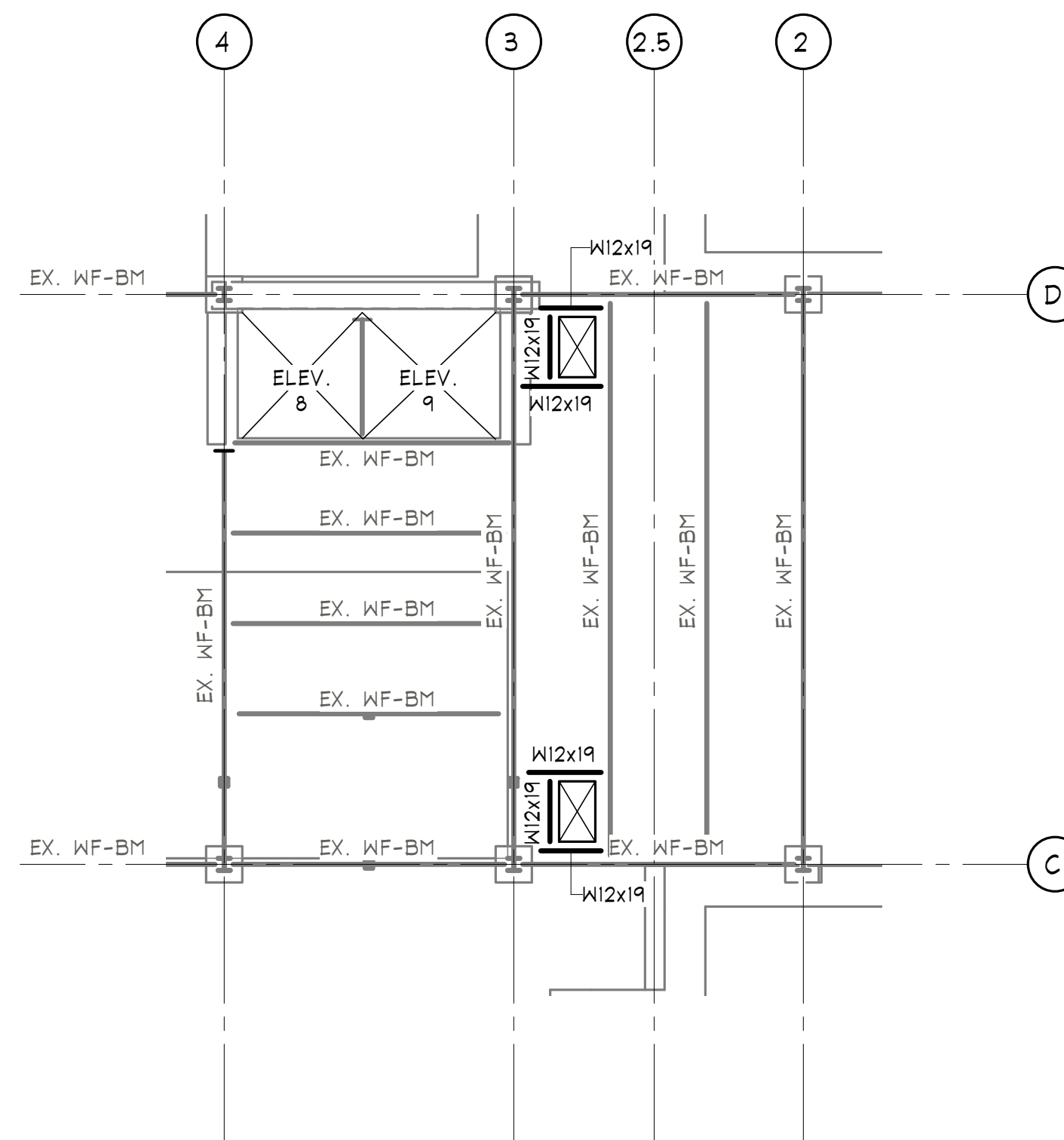


**TWELFTH FLOOR FRAMING PLAN EAST**

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

**NOTES:**

- 1) TOP OF SLAB ELEVATION +150'-7" (V.I.F.), FROM DATUM ELEVATION 0'-0", UNLESS NOTED OTHERWISE.
- 2) TOP OF STEEL (DECK BEARING) EL.: REFER TO TYPICAL DETAILS ON S-400, UNLESS NOTED OTHERWISE.
- 3) REFER TO ARCH. DWGS FOR ALL FLOOR PENETRATION LOCATIONS & DIMENSIONS, TYP. DO NOT OVERCUT NEW OPENINGS IN EXISTING SLABS.
- 4) ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 kips, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.
- 5) G.C. TO PROVIDE SHORING AS REQUIRED.

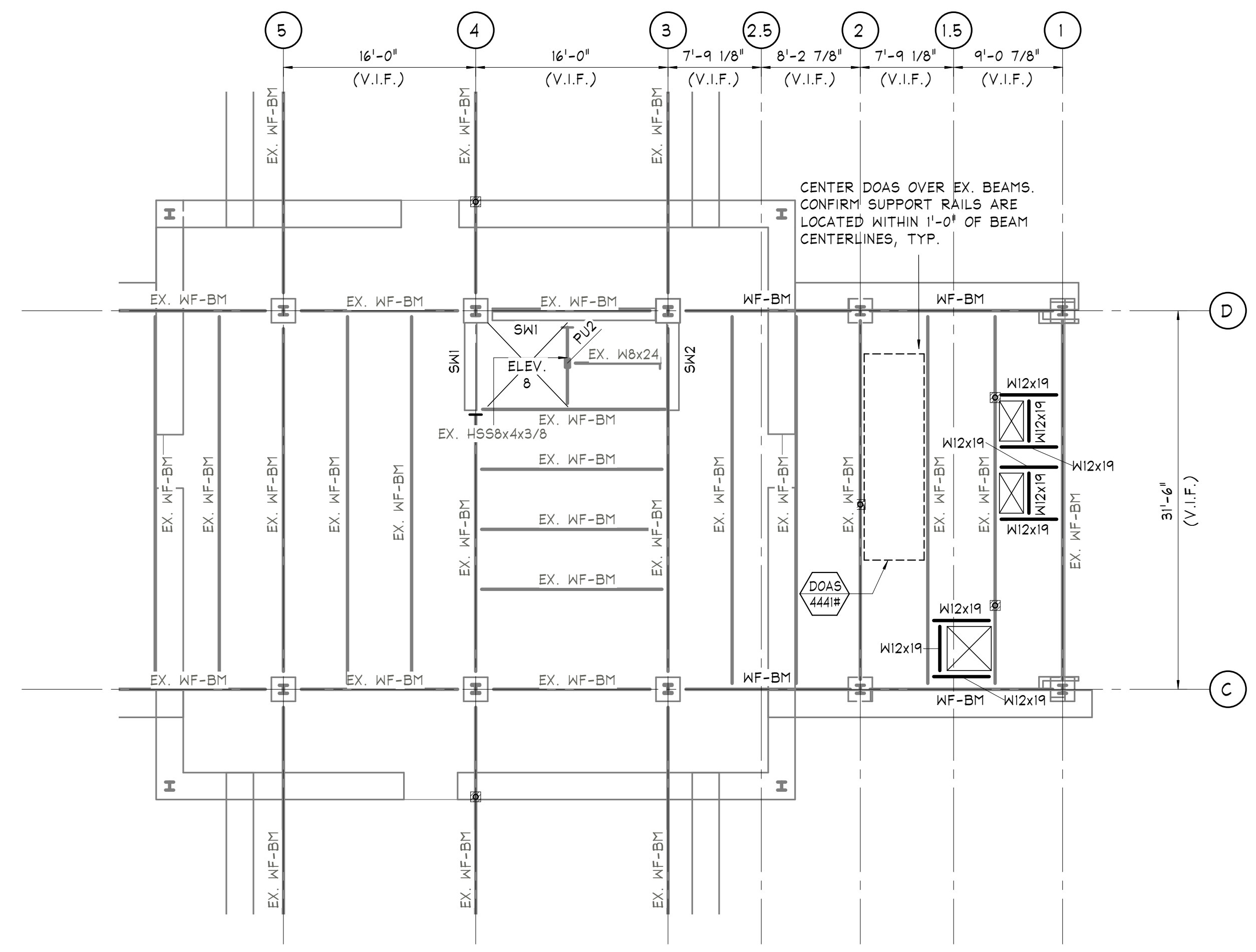


**THIRTEENTH FLOOR FRAMING PLAN EAST**

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

**NOTES:**

- 1) TOP OF SLAB ELEVATION +163'-1" (V.I.F.), FROM DATUM ELEVATION 0'-0", UNLESS NOTED OTHERWISE.
- 2) TOP OF STEEL (DECK BEARING) EL.: REFER TO TYPICAL DETAILS ON S-400, UNLESS NOTED OTHERWISE.
- 3) REFER TO ARCH. DWGS FOR ALL FLOOR PENETRATION LOCATIONS & DIMENSIONS, TYP. DO NOT OVERCUT NEW OPENINGS IN EXISTING SLABS.
- 4) ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 kips, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.
- 5) G.C. TO PROVIDE SHORING AS REQUIRED.



**FOURTEENTH FLOOR FRAMING PLAN EAST**

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

**NOTES:**

- 1) TOP OF SLAB ELEVATION +175'-7" (V.I.F.), FROM DATUM ELEVATION 0'-0", UNLESS NOTED OTHERWISE.
- 2) TOP OF STEEL (DECK BEARING) EL.: REFER TO TYPICAL DETAILS ON S-400, UNLESS NOTED OTHERWISE.
- 3) REFER TO ARCH. DWGS FOR ALL FLOOR PENETRATION LOCATIONS & DIMENSIONS, TYP. DO NOT OVERCUT NEW OPENINGS IN EXISTING SLABS.
- 4) ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 kips, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.
- 5) G.C. TO PROVIDE SHORING AS REQUIRED.

PROJECT TITLE:  
**400 N. BROAD PARTNERS, L.P.**  
**400 NORTH BROAD STREET PHILADELPHIA, PA**

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**PARTIAL FRAMING PLANS**

SHEET NO.:

**S-102**

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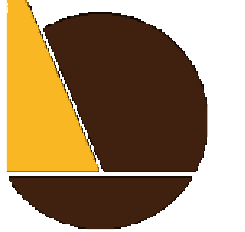
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**GENERATOR PAD PLAN**

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

- NOTES:
- 1) COORDINATE EQUIPMENT PAD LOCATIONS & EXTENTS w/ ARCH/MEP/CIVIL DRAWINGS & EQUIPMENT MFR. REQUIREMENTS.
  - 2) COORDINATE ALL EQUIPMENT LOCATIONS w/ ARCH/MEP DRAWINGS.
  - 3) ALL EQUIPMENT/MOUNTING REQUIREMENTS TO PRIMARY STRUCTURE TO BE PER MANUFACTURER REQUIREMENTS.
  - 4) COORDINATE VIBRATION ISOLATION REQUIREMENTS WITH M.E.P. DWGS. AND SPECIFICATIONS AND WITH EQUIPMENT MFR.
  - 4) SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED.

PROJECT TITLE:  
400 N. BROAD PARTNERS, L.P.  
400 NORTH BROAD STREET PHILADELPHIA, PA

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CHECKED BY: JJD

DRAWING TITLE:  
**PARTIAL  
GENERATOR PAD  
PLAN**

SHEET NO.:  
**S-103**



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GENERAL NOTES & SCHEDULES

SHEET NO.

S-201

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A.B.	ANCHOR BOLT	L.P.	LOW POINT
A.F.F.	ABOVE FINISH FLOOR	L.W.	LIGHT WEIGHT
ADDL.	ADDITIONAL	LLH	LONG LEG HORIZONTAL
ALT.	ALTERNATE	LLV	LONG LEG VERTICAL
ARCH.	ARCHITECT	LWB	LONG WAY BOTTOM
B.C.E.	BOTTOM CHORD EXTENSION	M.E.P.	MECHANICAL ELECTRICAL PLUMBING
B.O.	BOTTOM OF	M.S.T.	METAL STUD TRUSS
BLDG.	BUILDING	MAX.	MAXIMUM
BM.	BEAM	MECH.	MECHANICAL
BOTT.	BOTTOM	MEZZ.	MEZZANINE
BRG.	BEARING	MFR.	MANUFACTURER
BSMT.	BASEMENT	MIN	MINIMUM
BP_	BEARING PLATE	MISC.	MISCELLANEOUS
BTWN.	BETWEEN	MP_	MASONRY PIER
CL	CENTERLINE	NBL	NON BEARING LINTEL
CANT.	CANTILEVER	N.T.S.	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT	N.W.	NORMAL WEIGHT
COL.	COLUMN	o/c	ON CENTER
CONC.	CONCRETE	P.A.F.	POWDER ACTUATED FASTENER
CONN.	CONNECTION	P	PLATE
CONT.	CONTINUOUS	PC	PILE CAP
CTRD.	CENTERED	P/C	PRECAST
Ø	DIAMETER	PSF	POUNDS PER SQUARE FOOT
DN.	DRAWING	PSI	POUNDS PER SQUARE INCH
E.F.	EACH FACE	PTN.	PARTITION
E.O.D.	EDGE OF DECK	REIN.	REINFORCEMENT
E.O.S.	EDGE OF SLAB	REQ'D.	REQUIRED
E.W.	EACH WAY	RET.G.	RETAINING
EA.	EACH	S.F.	STEP FOOTING
EL.	ELEVATION	S.O.G.	SLAB ON GRADE
ELEV.	ELEVATOR	SCHED.	SCHEDULE
EMBED.	EMBEDMENT	SECT.	SECTION
EQ.	EQUAL	SIM.	SIMILAR
EQUIP.	EQUIPMENT	SPECS.	SPECIFICATIONS
EWB	EACH WAY BOTTOM	STIFF.	STIFFENER
EWT	EACH WAY TOP	STRUB.	STRUCTURAL
EX.	EXISTING	SWB	SHORT WAY BOTTOM
EXIST.	EXISTING	T&B	TOP AND BOTTOM
EXP.	EXPANSION	T.	TOP
EXT.	EXTERIOR	T.O.	TOP OF
FDN.	FOUNDATION	T.O.C.	TOP OF CONCRETE
FIN.	FINISH	T.O.S.	TOP OF STEEL
FLR.	FLOOR	T.S.	THICKENED SLAB
FT.	FEET	TCELE	TOP CHORD EXTENSION LEFT END
FTG.	FOOTING	TCREE	TOP CHORD EXTENSION RIGHT END
GA.	GAGE	TDS	TURN DOWN SLAB
GALV.	GALVANIZED	THK.	THICK OR THICKENED
GB_	GRADE BEAM	TYP.	TYPICAL
H.P.	HIGH POINT	U.N.O.	UNLESS NOTED OTHERWISE
HORIZ.	HORIZONTAL	V.I.F.	VERTIFIED IN FIELD
I.F.	INSIDE FACE	VERT.	VERTICAL
IN.	INCHES	W.R.T.	WOOD ROOF TRUSS
INFO.	INFORMATION	W/	WITH
INT.	INTERIOR	WC	WET COLUMN
JT.	JOINT	WP	WALL PLATE
k	KIP	WKF	WELDED WIRE FABRIC
k-ft	KIP-FEET		

GENERAL CONSTRUCTION

- NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS NOTED OTHERWISE. TYPICAL DETAILS ARE TO BE USED FOR ALL CONDITIONS WHERE THE DETAIL IS APPLICABLE. WHENEVER A DETAIL IS NOTED OTHERWISE, TYPICAL DETAILS SHALL BE USED UNLESS OTHERWISE REQUIRED DUE TO PROJECT CONDITIONS, ONLY WHEN SUBMITTED AND THE ENGINEER'S APPROVAL IS OBTAINED PERFORMING THE WORK.
- ALL DIMENSIONS AND ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS, WITH THE EXCEPTION OF STRUCTURAL MEMBER SIZES, ARE GENERATED BY OTHER DISCIPLINES. ANY DIMENSIONS OR ELEVATIONS OMITTED OR NOT SHOWN ON THE STRUCTURAL DRAWINGS SHOULD BE OBTAINED FROM THE DRAWINGS OF THE OTHER DISCIPLINE. STRUCTURAL DRAWINGS ARE NOT "STAND ALONE" DRAWINGS AND SHOULD BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE SPECIFICATIONS, ARCHITECTURAL DRAWINGS AND ALL OTHER DISCIPLINE'S DRAWINGS. THERE IS A DISCREPANCY BETWEEN DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER AND ARCHITECT PRIOR TO PERFORMING THE WORK.
- IF DIFFERENCES OCCUR WITHIN OR BETWEEN DRAWINGS AND SPECIFICATIONS REGARDING MATERIALS, STRENGTHS OR QUANTITIES, THE BETTER MATERIAL, HIGHER STRENGTH, AND GREATER QUANTITY INDICATED, SPECIFIED OR NOTED, SHALL BE PROVIDED.
- REPRODUCTIONS OF STRUCTURAL DRAWINGS FOR SUBMITTAL AS SHOP DRAWINGS IS PROHIBITED, UNLESS WRITTEN APPROVAL IS REQUESTED BY THE CONTRACTOR AND IT IS GRANTED BY O'DONNELL & NACCARATO, INC.
- DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION.
- THESE DRAWINGS DO NOT DEFINE SCOPE OF CONTRACTOR OR SUBCONTRACTOR CONTRACTS.
- AT ALL TIMES, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE INCLUDING MEANS AND METHODS OF CONSTRUCTION AND SAFETY OF PERSONS AND PROPERTY. THE ENGINEER'S PRESENCE OR REVIEW OF THE JOBSITE IS FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT ONLY AND IS NOT INTENDED TO BE CONSTRUED AS A REVIEW OF MEANS AND METHODS OF CONSTRUCTION AND SAFETY METHODS.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALLOWABLE CONSTRUCTION LOADS AND FOR PROTECTING THE COMPLETED OR INCOMPLETED STRUCTURAL FRAMING FROM DAMAGE DUE TO TEMPORARY CONSTRUCTION LOADINGS.
- COSTS OF INVESTIGATION AND/OR REDESIGN DUE TO CONTRACTOR ERRORS WILL BE AT THE CONTRACTOR'S EXPENSE.
- ANY APPROVED CONTRACTOR REQUESTED CHANGES TO THESE DRAWINGS WILL BE DONE AT NO COST TO THE OWNER. APPROVAL OF CONTRACTOR REQUESTED CHANGES IN NO WAY STATES OR IMPLIES APPROVAL OF A CHANGE IN SCOPE OR CHANGE IN CONTRACT COST.

- UNLESS EXPLICITLY NOTED AS ISSUED FOR BID, THESE DRAWINGS ARE NOT SUITABLE FOR OBTAINING BIDS FROM GENERAL OR SUBCONTRACTORS. BIDDING OF DRAWINGS PRIOR TO DESIGN COMPLETION AND ISSUED FOR BID IS AT THE SOLE RISK OF THE BIDDING CONTRACTOR. ADDITIONS OR CORRECTIONS TO DRAWINGS THAT ARE BID PRIOR TO DESIGN COMPLETION AND ISSUED FOR BID WILL NOT BE CONSIDERED AS DESIGN ERRORS OR OMISSIONS. STRUCTURAL DESIGN OR STRUCTURE CANNOT BE COMPLETE PRIOR TO COMPLETION OF ARCHITECTURAL AND MECHANICAL DRAWINGS.
- ALL REFERENCES TO WATERDAMP-PROOFING, FIRE-PROOFING, AND UTILITIES ON THE STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS FOR ALL WATERDAMP-PROOFING, FIRE-PROOFING AND UTILITY DETAILS AND REQUIREMENTS. COORDINATE ALL UNDERGROUND UTILITY REQUIREMENTS WITH THE CIVIL/MEP DRAWINGS. ALL UTILITIES SHALL BE ABOVE-GROUND FOOTING AND NOT LOCATED WITHIN THE FOOTINGS. NOTIFY ENGINEER OF RECORD IF OTHERWISE.
- IF THE EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY. THE CONTRACTOR MUST PROVIDE A SKETCH OF THE CONDITION WITH HIS PROPOSED MODIFICATION OF THE DETAILS SHOWN ON THE CONTRACT DOCUMENTS. THIS SKETCH MUST BE SUBMITTED TO AND APPROVAL MUST BE GRANTED BY THE ENGINEER PRIOR TO PERFORMING THE WORK.
- SUBMIT SHOP DRAWINGS SUCH THAT BY THE TIME THEY ARE RECEIVED BY O'DONNELL & NACCARATO, INC., THERE WILL BE AT LEAST 14 DAYS BEFORE SUBMITTALS WILL BE NEEDED. ANY REVIEW THAT IS REQUIRED MORE IMPERATIVELY WILL BE AT THE CONTRACTOR'S EXPENSE. SHOP DRAWINGS SHALL BEAR THE CONTRACTORS STAMP OF APPROVAL, CERTIFYING THAT HE HAS VERIFIED ALL FIELD MEASUREMENTS. CONSTRUCTION CHECK SHEET MATERIALS AND SMALL DATA AND HAS CHECKED EACH DRAWING FOR COMPLETENESS, COORDINATION AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. IF REVIEW OF AN INCOMPLETE SHOP DRAWING IS REQUIRED, THAT SHOP DRAWING SHALL BE CLEARLY MARKED AS INCOMPLETE. THE AREA THAT NEEDS TO BE REVIEWED SHALL BE CLEARLY NOTED WITH AN EXPLANATION FOR THE REASON FOR PARTIAL APPROVAL.

- IN NO CASE SHALL HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8' FROM ANY FOUNDATION/BASEMENT WALL, IF THE CONTRACTOR DESIRES PERMITTED SUPPORTS OR WALL BRACES TO WITHSTAND THE ADDITIONAL LOADS SUPERIMPOSED FROM SUCH EQUIPMENT. EXPENSE, PROVIDE ADEQUATE SUPPORTS OR WALL BRACES TO WITHSTAND THE ADDITIONAL LOADS SUPERIMPOSED FROM SUCH EQUIPMENT.
- SIZE AND/OR LOCATION OF OPENINGS, SLEEVES, CONCRETE HOUSEKEEPING PADS, INSERTS, DEPRESSIONS, ETC. SHOWN ON THE STRUCTURAL DOCUMENTS ARE FOR THE CONTRACTOR'S CONFORMANCE ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE TO COORDINATE ALL CONTRACT MANUFACTURER TO DETERMINE THE SIZE AND/OR LOCATION OF OPENINGS, SLEEVES, CONCRETE HOUSEKEEPING PADS, INSERTS, DEPRESSIONS, ETC.
- SIZE AND/OR LOCATION OF EXISTING STRUCTURES AND UTILITIES SHOWN ON THE STRUCTURAL DOCUMENTS ARE FOR THE CONTRACTOR'S CONFORMANCE ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE TO VERIFY BY FIELD MEASUREMENTS/INVESTIGATION THE SIZE AND/OR LOCATION OF ALL EXISTING STRUCTURES AND UTILITIES.
- THE CONTRACTOR SHALL SUBMIT SIGNED AND SEALED CALCULATIONS AND SHOP DRAWINGS BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED INCLUDING DESIGNATIONS OF METAL STAIRS, METAL RAILINGS AND CONNECTIONS TO STRUCTURE TAKING INTO ACCOUNT THE VERTICAL AND LATERAL LOADS STATED IN THE GOVERNING CODES. WHERE HEADERS OR OTHER TYPES OF STRUCTURAL MEMBERS HAVE BEEN DESIGNATED ON THE STRUCTURAL CONTRACT DOCUMENTS TO SUPPORT THE STAIRS, THE CONNECTIONS FROM THE STAIRS SHALL BE DESIGNED SO THAT NO EXCESSIVE OR TORSIONAL FORCES ARE IMPOSED ON THESE STRUCTURAL MEMBERS. IF EXISTING CONNECTIONS ARE USED, CONTRACTOR SHALL PROVIDE BRACING ELEMENTS FOR ALL SUPPORTING STEEL TO ELIMINATE THE TORSIONAL STRESSES OF THE EXISTING CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINISHING AND INSTALLING ALL EMBEDDED ITEMS AND HARDWARE AS REQUIRED PER THE STAIR DESIGN.
- STRUCTURAL COMPONENTS ARE NOT DESIGNED FOR VIBRATING EQUIPMENT. MOUNT VIBRATING EQUIPMENT ON VIBRATION ISOLATORS, MERTIA PADS, ETC.
- EXACT LOCATIONS OF ROOF PENETRATIONS TO BE COORDINATED BY THE GENERAL CONTRACTOR BETWEEN STEEL/JOIST/DECK/HVAC SUBCONTRACTORS. SEE DETAIL FOR ROOF FRAME REQUIREMENTS.
- ALL MISCELLANEOUS ELEVATOR COMPONENTS, SUCH AS GUARDING OF COUNTERWEIGHTS, SHAFT WALL MOUNTED EQUIPMENT/TRACK SUPPORTS, CONNECTION TO GUIDE RAILS TO PRIMARY STRUCTURE, ETC. ARE TO BE PROVIDED BY COORDINATED WITH THE ELEVATOR MANUFACTURER. PROVIDE ALLOWANCE FOR ADDITIONAL SUPPLEMENTAL STEEL SUPPORTS, SUCH AS LOW BEAMS FOR BRACING OF ELEVATOR DOOR HEADERS, FINAL HOIST BEAM MACHINE BEAM CONFIGURATIONS, GUIDE RAIL SUPPORT POSTS, ETC. AS APPROPRIATE UNTIL FINAL SITE SPECIFIC ELEVATOR SHOP DRAWINGS ARE RECEIVED.

EXISTING CONDITIONS/DEMOLITION

- SHORING, BRACING, PROTECTION, AND UNDERPINNING OF EXISTING AND ADJACENT STRUCTURES DURING CONSTRUCTION, INCLUDING ALL DESIGN RESPONSIBILITIES IS THE CONTRACTOR'S RESPONSIBILITY. PROVIDE SIGNED AND SEALED CALCULATIONS AND CONNECTION DRAWINGS TO OWNERS, PROTECT AND MAINTAIN THE INTEGRITY OF EXISTING AND ADJACENT STRUCTURES, BUILDINGS AND STREETS.
- ALL EXISTING DIMENSIONS, ELEVATIONS, AND LOCATIONS OF EXISTING STRUCTURES, OR RELATIVE TO EXISTING STRUCTURES, THAT ARE SHOWN ON THE STRUCTURAL DOCUMENTS WILL BE VERIFIED BY FIELD MEASUREMENTS PERFORMED BY THE CONTRACTOR. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER.
- THE STRUCTURAL DOCUMENTS HAVE BEEN PREPARED BASED ON AVAILABLE KNOWLEDGE OF EXISTING CONDITIONS. #. DURING DEMOLITION, EXCAVATION OR CONSTRUCTION, ACTUAL CONDITIONS ARE DISCOVERED TO DIFFER FROM THOSE INDICATED ON THE DOCUMENTS, THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED.
- ALL STRUCTURAL DEMOLITION MUST BE COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
- SELECTIVELY DEMOLISH STRUCTURAL COMPONENTS AS REQUIRED TO CONSTRUCT NEW WORK. PRIOR TO ANY DEMOLITION WORK, AN ENGINEERING SURVEY REPORT OF THE STRUCTURE SHALL BE PREPARED BY THE CONTRACTOR TO DOCUMENT THE CONDITION OF THE FRAMING, FLOORS, AND WALLS. ANY EXISTING STRUCTURE WHERE OCCUPANTS MAY BE EXPOSED SHALL BE SIGNED AND REVIEWED.
- WHERE NEW FRAMING IS TO BE CONNECTED TO AN EXISTING STRUCTURE WITH BRICK OR CMU VENEER, THE VENEER SHALL BE REMOVED SUFFICIENTLY TO PERMIT CONNECTION OF THE NEW FRAMING DIRECTLY TO THE BUILDING SUPERSTRUCTURE. NEW BRICK OR CMU SHALL BE INSTALLED TO MATCH THE EXISTING ADJACENT SURFACES. MAINTAIN A 1/2" SEPARATION BETWEEN THE BRICK OR CMU AND THE NEW FRAMING, UNLESS NOTED OTHERWISE ON DRAWINGS. FILL GAPS WITH BACKER RODS AND SEALANTS.
- CONTRACTOR TO FIELD VERIFY ALL EXISTING FINISHED FLOOR ELEVATIONS PRIOR TO FABRICATION OF STEEL BEAMS. PROVIDE ALL AVERAGE FOR ADDITIONAL LEVELING MATERIAL IN AREAS OF BREAK THROUGH TO THE EXISTING STRUCTURE TO ENSURE FINISHED FLOOR ELEVATION OF ALL MATCHES EXISTING.
- CONTRACTOR SHALL RETAIN INDIVIDUAL TO PERFORM SITE SAFETY DEMOLITION PLAN, ENGINEERING STUDY AND ALL OTHER SERVICES RELATED TO DEMOLITION WITH LOCAL JURISDICTION REQUIREMENTS.

STRUCTURAL SPECIAL INSPECTIONS

- THE QUALIFIED AGENCY RETAINED BY THE OWNER FOR THESE SPECIAL INSPECTION SERVICES SHALL BE APPROVED BY THE OWNER, THE ARCHITECT, AND THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION. AN OUTLINE OF THE SCOPE OF SERVICES TO BE PERFORMED BY THE INSPECTING AGENCY IS TO BE SUBMITTED PRIOR TO THE START OF CONSTRUCTION.
- IN ACCORDANCE WITH SECTION 1704 OF THE INTERNATIONAL BUILDING CODE, AND ALL APPLICABLE STATE AND LOCAL REQUIREMENTS, AN INDEPENDENT APPROVED AGENCY SHALL MAKE PERIODIC AND/OR CONTINUOUS INSPECTIONS OF THE CONSTRUCTION PROGRESS IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

STEEL CONSTRUCTION	SECTION 1704.3, TABLE 1704.3
CONCRETE CONSTRUCTION	SECTION 1704.4, TABLE 1704.4
MASONRY CONSTRUCTION	SECTION 1704.5, TABLE 1704.5
SOILS	SECTION 1704.7, TABLE 1704.7
PILE FOUNDATIONS	SECTION 1704.8, TABLE 1704.8

FOUNDATIONS

- PERFORM ALL SITE PREPARATION AND EXCAVATION WORK IN STRICT ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY PENNON ASSOCIATES, INC. MUSTA1701.GED, DATED MARCH 27, 2018.
- EXCAVATE THE BUILDING SITE TO THE DEPTH AND EXTENT INDICATED IN THE SOILS REPORT. ALL SUBGRADES SHALL BE APPROVED IN WRITING BY THE SOILS ENGINEER PRIOR TO BACKFILLING.
- BOTTOM OF FOOTINGS SHALL BEAR ON SUBGRADE CAPABLE OF SAFELY SUPPORTING 4,000 PSF PER THE GEOTECHNICAL REPORT.
- SUBGRADE OF ALL FOOTINGS MUST BE INSPECTED UNDER THE SUPERVISION OF AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE PLACING ANY CONCRETE. APPROVAL IN WRITING MUST INDICATE THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.
- BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF THREE FEET BELOW EXTERIOR FINISH GRADE. ALL FOOTING ELEVATIONS SHOWN ON PLAN ARE THE BEST APPROXIMATIONS BASED ON AVAILABLE DATA. GENERAL CONTRACTOR MAY ALTER FOOTING ELEVATIONS FOR REASONS INCLUDING, BUT NOT LIMITED TO, REVISED GEOTECHNICAL OR CIVIL INFORMATION, UNFORESEEN CONDITIONS, ACTUAL INVERT ELEVATIONS, CONSTRUCTION VARIABILITY, ETC. CONTRACTOR SHALL NOTIFY ARCHITECT AND OBTAIN WRITTEN APPROVAL PRIOR TO ANY MODIFICATIONS.
- ALL STEEL PILES SHALL BE AS SPECIFIED IN THE SOILS REPORT AND SHALL HAVE A CAPACITY TO SUPPORT A NET DESIGN DOWNWARD LOAD OF 275 TONS. A NET DESIGN UPLIFT LOAD OF 220 TONS AND A DESIGN LATERAL LOAD OF 5.5 TONS.
- INSTALL PILES IN ACCORDANCE WITH A SUITABLE DYNAMIC FORMULA TO BE SELECTED BY THE SOILS ENGINEER.
- THE INSPECTION OF THE INSTALLATION OF PILES SHALL BE SUPERVISED AND CERTIFIED BY A REGISTERED SOILS ENGINEER.
- PILENG CONTRACTOR SHALL PERFORM A PILE LOAD TEST IN ACCORDANCE WITH THE SOILS REPORT.

- GENERAL CONTRACTOR SHALL PROVIDE A FINAL REPORT CONSISTING OF THE FOLLOWING ITEMS: COMPLETE DRIVING RECORDS, CERTIFIED PILE LOCATION PLAN PREPARED BY A REGISTERED SURVEYOR, TIP ELEVATIONS, PILE OUT OF PLUMB, BLOW COUNTS, AND A COMMENTARY ON DRIVING PROBLEMS SUCH AS SUSPECTED BENDS, TWISTING AND OUT-OF-PLUMB. REPORT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONCRETE PLACEMENT FOR PILE CAPS AND GRADE BEAMS.
- DO NOT BACKFILL ANY ASSESSMENT WALLS WITH AN UNBALANCED HEIGHT OF SOIL GREATER THAN THREE FEET UNTIL ELEVATED FLOOR IS IN PLACE AND THE WALL HAS REACHED ITS DESIGN STRENGTH OR THE WALLS ARE ADEQUATELY BRACED.
- EXPOSED CONCRETE/CMU WALLS SHALL HAVE CONTROL JOINTS AT 30 FEET MAXIMUM ON CENTER UNLESS NOTED OTHERWISE. WALLS WITH INTEGRAL COLUMN PIERS OR PLASTERS SHALL BE POURED MONOLITHICALLY AND SHALL HAVE A FORMED CONTROL JOINT ON ONE SIDE OF EACH PIER ON THE EXPOSED FACE OF THE WALL. JOINTS SHALL BE FILLED WITH AN APPROVED SEALANT.

LIGHTGAGE METAL FRAMING

- LIGHTGAGE METAL STUD DESIGNATION SHOWN ON STRUCTURAL DRAWINGS ASSUME MARINO WARE AS A DESIGN BASIS. MANUFACTURER MUST SUBMIT LITERATURE INDICATING THAT THE MEMBERS SUPPLIED PROVIDE EQUIVALENT STRENGTH AND STIFFNESS. MANUFACTURER AND/OR SUPPLIER TO PREPARE INFORMATION INDICATING CAPACITY OF MEMBERS, FRAMING DETAILS, CONNECTIONS BRACKS, BRIDGING AND ALL OTHER APPEARANCES OF MEMBERS TO CONFORM TO LOAD CRITERIA AS DIRECTED BY CONTRACTOR/CONSTRUCTION MANAGER.
- ALL LINTELS INDICATED ON DRAWINGS AS METAL STUD LINTELS ARE TO BE PROVIDED BY STUD MANUFACTURER/SUPPLIER.
- ALL STEEL STUDS SHALL BE HOT-DIPPED GALVANIZED (G 60) IN ACCORDANCE WITH ASTM A994. STEEL STUDS SHALL BE DESIGNED, MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS AND SHALL COMPLY WITH ASTM A994 & C886. ALL STUDS, JOISTS, AND ACCESSORIES SHALL HAVE THE FOLLOWING MATERIAL STRENGTHS:  
54 MLS (16 GAGE) AND HEAVIER - F<sub>y</sub> = 50ksi  
33 MLS - 42 MLS (16 GAGE - 18 GAGE RESPECTIVELY) - F<sub>y</sub> = 33ksi.
- ALL WELDING OF LIGHT GAGE STEEL FRAMING MUST BE DONE BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS D1.3, SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES.
- MAKE CONNECTIONS WITH SELF-TAPPING SCREWS OR WELDING SO THAT THE CONNECTIONS MEET OR EXCEED THE DESIGN LOADS. ALWAYS USE WELDS WHERE SHOWN ON DRAWINGS.
- CUT ALL LIGHT GAGE STEEL FRAMING MEMBERS WITH SAWS OR SHEARS. FLAME CUTTING IS NOT PERMITTED.
- THE LIGHT GAGE STEEL FRAMING SUPPLIER AND ERECTOR SHALL HAVE A MINIMUM 5 YEARS EXPERIENCE IN THE FABRICATION AND ERECTION OF LIGHT GAGE STEEL FRAMING SYSTEMS.
- THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, AT THE END OF THE JOB, ONE (1) ELECTRONIC VERSION OF THE FINAL FIELD COPIES OF ALL TRUSS LAYOUT SHOP DRAWINGS.

STEEL

- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE. ALL CONNECTIONS, INCLUDING AT HSS SECTIONS, SHALL BE DESIGNED AND DETAILED IN ACCORDANCE WITH THE LATEST AISC CODE. UNLESS INDICATED OTHERWISE ON CONTRACT DOCUMENTS, IN ADDITION TO THE SHEAR CONNECTION, INCLUDE AS A MINIMUM 45X30X10 ANGLE'S TOP AND BOTTOM OR ENDPLATE AT ALL HSS BEAMS/GIRDERS TO COLUMN CONNECTIONS. ALL WIDE FLANGE SHAPES SHALL BE ASTM A992. ALL OTHER STRUCTURAL STEEL SHALL BE ASTM A572 GR 50. ALL WELDS SHALL BE AS PER THE LATEST AISC CODE. ALL STEEL SHALL BE GALVANIZED UPWARD DURING FABRICATION AND ERECTION. ALL STEEL SHALL BE THOROUGHLY CLEANED IN ACCORDANCE WITH SSPC-SP3 PRIOR TO PAINTING.
- ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE", AWS D1.1 LATEST EDITION, TO PERFORM THE TYPE OF WORK REQUIRED.
- UNLESS OTHERWISE NOTED, ALL CONNECTIONS SHALL BE BOLTED WITH MINIMUM 3/4-INCH DIAMETER A325 OR A490 HIGH STRENGTH BEARING TYPE BOLTS OR WELDED. THE FABRICATOR IS RESPONSIBLE FOR THE SELECTION, DESIGN, AND DETAILING OF ALL CONNECTIONS INCLUDING BUT NOT LIMITED TO MOMENT CONNECTIONS, BRACED FRAME CONNECTIONS, AND TRUSS CONNECTIONS, NOT FULLY DETAILED ON THE CONTRACT DRAWINGS. THIS INCLUDES TO DESIGN, DETAIL, FURNISH AND INSTALL STIFFENERS, CONTINUITY PLATES, DOUBLER PLATES, OR OTHER NECESSARY ADDITIONAL LOCAL STRENGTHENING MEASURES. MEMBER SIZES INDICATED ON THE DRAWINGS ARE BASED ON MEMBER BEHAVIOR AWAY FROM CONNECTIONS. USE FULL DEPTH DOUBLE ANGLE CONNECTIONS ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS. JOISTS SHALL BE AT A 3" MIN. CLEARANCE FROM WELLS. BEAM CONNECTIONS MAY BE ONE-SIDED CONNECTIONS UNLESS NOTED OTHERWISE. ALL GRAVITY MOMENT CONNECTIONS SHALL BE BOLTED WITH MINIMUM 3/4-INCH DIAMETER A325 OR A490 HIGH STRENGTH SLP CRITICAL BOLTS OR WELDED.
- UNLESS OTHERWISE NOTED, DETAILS INDICATED ON DRAWINGS INDICATE GENERAL CRITERIA FOR DESIGN AND DETAILING OF CONNECTIONS. DETAILS INDICATED ON DRAWINGS ARE NOT INTENDED TO CONVEY COMPLETE CONNECTOR SIZES, PLATE SIZES, WELD SIZES, NUMBER OF BOLTS, OR ANY OTHER SPECIFIC INFORMATION THAT IS OBTAINED THROUGH RESONANCE OF AN INDIVIDUAL CONNECTION FOR A GIVEN SET OF LOADS. THESE DETAILS DO NOT SHOW ERECTION AIDS. PROVIDE ERECTION AIDS AS REQUIRED AND REMOVE THEM AFTER WORK IS COMPLETE.
- ALL ANCHOR RODS TO BE ASTM F1554 GRADE 36, UNLESS NOTED OTHERWISE.
- ALL ALUMINUM AND STEEL MEMBERS SHALL BE TREATED OR PROPERLY SEPARATED TO PREVENT GALVANIC AND CORROSIVE EFFECTS.
- ALL STEEL WELDING JOINTS SHALL BE E70XX.
- SUBMIT ALL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY FABRICATION. SHOP DRAWINGS SHALL SHOW COMPLETE BOLTING AND WELDING INFORMATION, BOTH SHOP AND FIELD. ALL WELDING INFORMATION SHALL USE AMERICAN WELDING SOCIETY SYMBOLS. SHOP OR FIELD SPlicing OF ANY STRUCTURAL STEEL SECTION WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
- CONNECTIONS FOR ALL NON-COMPOSITE AND COMPOSITE BEAMS/GIRDERS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED REACTION OF 15 KIPS, UNLESS NOTED GREATER ON DRAWINGS.

- STEEL FABRICATOR IS SOLELY RESPONSIBLE FOR SURVEYING AND VERIFICATION OF EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO THE LOCATION, ELEVATION, AND DIMENSIONS OF EXISTING WALLS AND FRAMING.
- IF UNSATISFACTORY DEFECTS FROM DOCUMENTS, IT SHALL BE DESIGNED, FABRICATED AND ERECTED BY PREFABRICATED FRAMING MANUFACTURER, I.E. UNISTRUT, POWERSTRUT OR APPROVED EQUAL. MANUFACTURER IS RESPONSIBLE FOR COORDINATION AND COMPLIANCE WITH ARCHITECTURAL AND EQUIPMENT REQUIREMENTS/PARAMETERS INCLUDING STRENGTH AND DEFLECTION AND SHALL SUBMIT SEALED CALCULATIONS AND SHOP DRAWINGS WHICH COMPLY WITH ALL APPLICABLE CODES FOR REVIEW BY ENGINEER. UNISTRUT REQUIREMENTS FOR THE FIT-OUT ARE TO BE COORDINATED WITH THE ARCHITECTURAL DOCUMENTS AND MANUFACTURER FOR PATIENT LIFTS, LIGHTS, ETC. (DESIGN, FABRICATION AND ERECTION ARE BY THE GENERAL CONTRACTOR).
- ALL LINTELS AND SHELF ANGLES WITHIN EXTERIOR WALLS SHALL BE HOT-DIP GALVANIZED. ANY POINTS OF WELDING SHALL BE TOUCHED UP IN THE FIELD WITH A ZINC-RICH PAINT BY THE STEEL ERECTOR.
- ALL EXPOSED STEEL (INCLUDING BUT NOT LIMITED TO DUNNAGE FRAMING, SCREEN WALL FRAMING, CANOPY FRAMING, ETC.) SHALL BE HOT-DIP GALVANIZED. ANY POINTS OF WELDING SHALL BE TOUCHED UP IN THE FIELD WITH A ZINC-RICH PAINT BY THE STEEL ERECTOR.
- SPANDREL ANGLE AT PERIMETER EDGE OF FLOOR SLAB/ROOF SHALL BE ADJUSTABLE. SHIP ANGLE LOOSE AND SET WITH STRONG LINE IN FIELD FOR VERTICAL AND HORIZONTAL ALIGNMENT AFTER STEEL IS FULLY ERECTED TO A MAXIMUM TOLERANCE OF 1/8" INCH HORIZONTAL PER BAY/FEET TYPICAL SPANDREL ANGLE DETAIL.
- PROVIDE WELDED STIFFENER PLATES ON BOTH SIDES OF THE WEB OF BEAMS AT POINTS OF CONCENTRATED LOADS INCLUDING BEAMS SUPPORTING COLUMNS OR RUNNING OVER THE TOPS OF COLUMNS OR OTHER BEAMS. MINIMUM STIFFENER PLATE THICKNESS SHALL BE 3/8" INCH OR FLANGE THICKNESS OF COLUMN ABOVE OR BELOW OR BEAM WEB THICKNESS ABOVE OR BELOW, WHICHEVER IS GREATER.
- ALL POST-INSTALLED EXPANSION ANCHORS FASTENED INTO CONCRETE SHALL BE HELIX TEK BOLT T2 WITH MATERIAL TYPE, DIAMETER, AND EMBEDMENT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALL POST-INSTALLED ANCHORS SHALL BE EPOXY ADHESIVE ANCHORS AND REINFORCING BAR DOWELS INTO CONCRETE SHALL USE HI-TEC EPOXY ADHESIVE ANCHORS SYSTEM AND HAMMER-DRILLED HOLES WITH ROD TYPE, DIAMETER, EMBEDMENT AND SPACING/EDGE DISTANCE PER DOCUMENTS, UNLESS NOTED OTHERWISE.
- ALL PILING RUNS LARGER THAN 4" DIAMETER SHALL BE HUNG DIRECTLY FROM STEEL BEAMS AND NOT THE CONCRETE SLABMENTAL DECK SYSTEM. ANY SUPPLEMENTAL STEEL REQUIRED FOR BUILDING SYSTEMS (MECHANICAL, ELECTRICAL, PLUMBING, ETC.) IS NOT BY O'DONNELL & NACCARATO.
- THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, AT THE END OF THE JOB, ONE (1) ELECTRONIC VERSION OF THE FINAL FIELD COPIES OF ALL STEEL ERECTION DRAWINGS SHOP DRAWINGS.
- THE NEW AND EXISTING STEEL STRUCTURE IS TO BE CONSIDERED RESTRAINED FOR FIRE PROOFING PURPOSES.

CONCRETE

- REINFORCING STEEL SHALL BE WITHIN TOLERANCES SET FORTH IN ACI 117, AND HAVE THE SPECIFIED CLEAR COVER, UNLESS NOTED OTHERWISE ON DRAWINGS.  
CONCRETE POURED AGAINST EARTH: 3"  
#6 OR SMALLER: 1 1/2"  
#6 OR LARGER: 2"
- CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:  
COLUMNS (TIES AND MAIN REINFORCING): 1 1/2"  
SLABS, WALLS, JOISTS: #4 OR #3  
BEAMS (STRIPS) AND MAIN REINFORCING: #11 OR SMALLER: 3/4"  
1 1/2"

- ALL CONCRETE SHALL BE READY-MIX AND HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF:
  - SPREAD FOOTINGS/WALL FOOTINGS FOUNDATION WALL BASEMENT WALLS/RETAINING WALLS: 3,000 PSI
  - GRADE BEAMS/PILE CAPS: 4,000 PSI
  - PIERS MATCH WALL STRENGTH: (MINIMUM OF 3,000 PSI)
  - SLAB ON GRADE: 3,500 PSI
  - STRUCTURAL SLABS: 5,000 PSI
  - STRUCTURAL SLAB ON PILES: 5,000 PSI
  - CONCRETE SLABS ON METAL DECK
- OR AS SHOWN ON DRAWINGS. HAVE A MINIMUM OF 60 LB./SQ. FT. OF CEMENT PER CUBIC YARD. SLUMP (AT POINT OF CONCRETE PLACEMENT) SHALL BE 3 INCH MINIMUM AND 8 INCH MAXIMUM. CONCRETE EXPOSED TO WEATHER SHALL HAVE 5 PERCENT AIR ENTRAINMENT. CONCRETE NOT EXPOSED TO WEATHER SHALL NOT CONTAIN AN AIR-ENTRAINING AGENT. SUBMIT MIX DESIGNS FOR REVIEW. NORMAL WEIGHT CONCRETE TO BE OVER A HARD-TROWELED FINISH SHALL NOT CONTAIN AN AIR-ENTRAINING AGENT. TOTAL AIR CONTENT FOR THIS CONCRETE SHOULD NOT EXCEED 3 PERCENT (AT POINT OF CONCRETE PLACEMENT). ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST ACI BUILDING CODE (ACI 318), THE ACI DETAILING MANUAL (ACI 315), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).

- ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL, CONFORMING TO ASTM DESIGNATION A615 GRADE 60, EXCEPT #14 BARS AND LARGER WHICH SHALL CONFORM TO ASTM A615 GRADE 75. W/F SHALL COMPLY WITH ASTM A615.
- DEVELOPMENT LENGTHS, NOTED AS L<sub>d</sub> ON DRAWINGS, AND SPLICE LAP LENGTHS OF ALL REINFORCING STEEL TO BE PER DETAIL WITH NOTES ENTITLED "TABLE OF DEVELOPMENT AND LAP SPLICE LENGTH". LAP SPLICES OF #14 BARS AND LARGER ARE NOT PERMITTED. THESE BARS MUST BE MECHANICALLY COUPLED WITH DEVICES RATED TO DEVELOP 125% OF F<sub>y</sub> OF THE BAR. SUBMIT PRODUCT DATA FOR ENGINEERING APPROVAL. LAP ALL W/F WITH A MINIMUM OF SIX INCHES.
- ALL INSERTS AND SLEEVES SHALL BE CAST-IN-PLACE. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS AND LOCATIONS OF ALL OPENINGS, SLEEVES, ETC. AS REQUIRED BY ALL TRADES BEFORE THE CONCRETE IS POURED. THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS, AS WELL AS THE STRUCTURAL DRAWINGS FOR THE LOCATION, NUMBER, AND SIZE OF ALL OPENINGS, SLEEVES, ETC. HOWEVER, OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INSTALLED ONLY AFTER APPROVAL BY THE STRUCTURAL ENGINEER IS OBTAINED. DRAWINGS SHALL BE SUBMITTED FOR REVIEW SHOWING LOCATIONS AND DIMENSIONS OF ALL OPENINGS, SLEEVES, ETC. IN CAST-IN-PLACE CONCRETE SLABS, BEAMS, COLUMNS AND FLOOR/ROOFS. THESE DRAWINGS SHALL BE COORDINATED BY THE CONTRACTOR. OPENINGS AND SLEEVES THROUGH CAST-IN-PLACE CONCRETE FRAMING IS PROHIBITED EXCEPT WHERE THOSE SLEEVES AND OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS OR WHERE THEY ARE SHOWN ON THE APPROVED SHOP AND SHOP DRAWINGS THAT HAVE BEEN SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. SAW CUTTING, CORING, OR DRILLING OF SLEEVES OR OPENING THROUGH PREVIOUSLY CAST CONCRETE IS NOT PERMITTED EXCEPT WHERE SPECIFICALLY REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER.
- THERE SHALL BE NO CONSTRUCTION JOINTS IN THE STRUCTURAL MAT.
- LIGHTWEIGHT CONCRETE SHALL BE USED FOR FRAMED FLOORS AS NOTED ON THE DRAWINGS. TOTAL AIR CONTENT AT POINT OF CONCRETE PLACEMENT SHALL BE LIMITED TO 5.5 PERCENT (PLUS OR MINUS 1.5 PERCENT) FOR HARD-TROWELED FINISHED AREAS. THIS CONCRETE IS MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI AND AN IN-PLACE DRY DENSITY OF 107 - 113 POUNDS PER CUBIC FOOT OR PER THE REQUIREMENTS SET FORTH IN THE FIRE RATING SPECIFICATIONS.
- SUBMIT ALL REINFORCING SHOP DRAWINGS FOR REVIEW PRIOR TO ANY FABRICATION.
- FOR CONCRETE SLABS ON METAL DECK, FLOORS SHALL BE POURED TO THE THICKNESS SHOWN ON DOCUMENTS, NOT TO A LEVEL LINE.
- THE CONTRACTOR SHALL INSTALL FLOOR LEVELING MATERIAL AND PERFORM OTHER CORRECTIVE MEASURES IN ALL AREAS INCLUDING BUT NOT LIMITED TO, AREAS WHERE FLOOR FINISH PROVISIONS DO NOT COMPLY WITH THE FLATNESS AND LEVELNESS REQUIREMENTS.

- CONTRACTOR TO ENGAGE AN ENGINEER, REGISTERED IN THE PROJECT'S JURISDICTION, TO DEVELOP ALL FORMWORK, SHORING, AND REBROCKING DESIGNS AND PROCEDURES, SUBMIT SIGNED AND SEALED DRAWINGS AND CALCULATIONS. ALL SHORING AND REBROCKING MUST REMAIN IN PLACE FOR A MINIMUM OF 28 DAYS AFTER CONCRETE PLACEMENT, OR WHEN FULL STRENGTH IS ACHIEVED FROM FIELD CURED COLUMNS.
- THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, AT THE END OF THE JOB, ONE (1) ELECTRONIC VERSION OF THE FINAL FIELD COPIES OF ALL STEEL REINFORCING SHOP DRAWINGS.
- RIGID INSULATION USED AS FLOOR FILL SHALL BE STYROFOAM HIGH-DENSITY EXTRUDED POLYSTYRENE INSULATION (40 PSI COMPRESSIVE STRENGTH) ASTM C876, TYPE I MANUFACTURED BY DOW CHEMICAL COMPANY, OR APPROVED EQUAL.

DESIGN LOAD SCHEDULE  
(ALL LOADS SHOWN ARE IN POUNDS PER SQ. FT.)

COMPONENT	AREA		
	TYP. FLOOR	TYP. FLOOR + 6" PAD	ROOF
ROOF # INSULATION			
6" NK CONC.		75	
4 1/4"			



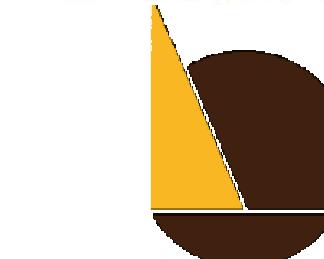
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PROJECT TITLE:
400 N. BROAD PARTNERS, L.P.
400 NORTH BROAD STREET PHILADELPHIA, PA

- PROGRESS SET
CLIENT REVIEW
BID SET
CODE REVIEW SET
ISSUED FOR CONSTRUCTION

ISSUED FOR BIDS
9/18/2020
(NOT FOR CONSTRUCTION)

ISSUES/REVISIONS:
1 09/18/20 ISSUED FOR BID

PROJECT NUMBER: 304103-120
SCALE: 1/4" = 1'-0"
DATE: 09/18/2020
DRAWN BY: CH
CHECKED BY: JJD

DRAWING TITLE:
SPECIAL INSPECTIONS

SHEET NO:

S-201A

PRINTED ON: 9/21/2020 1:23:51 PM

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION - TABLE 1705.3. Table with 5 columns: TYPE, CONTINUOUS SPECIAL INSPECTION, PERIODIC SPECIAL INSPECTION, REFERENCED STANDARD, IBC REFERENCE. Contains 12 rows of inspection details.

a - WHERE APPLICABLE, SEE SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE
b - SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 308 OR OTHER QUALIFICATION PROCEDURES WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED. SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

INSPECTION TASKS PRIOR TO WELDING - TABLE N5.4-1. Table with 3 columns: TASK, QC, QA. Lists tasks like welder qualification records, WPS availability, manufacturer certifications, etc.

a - THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED, STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.
b - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.

INSPECTION TASKS DURING WELDING - TABLE N5.4-2. Table with 3 columns: TASK, QC, QA. Lists tasks like control and handling of welding consumables, no welding over cracked tack welds, etc.

a - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS - TABLE 1705.6. Table with 4 columns: TYPE, CONTINUOUS SPECIAL INSPECTION, PERIODIC SPECIAL INSPECTION. Contains 5 rows of inspection details.

INSPECTION TASKS AFTER WELDING - TABLE N5.4-3. Table with 3 columns: TASK, QC, QA. Lists tasks like welds cleaned, size, length and location of welds, welds meet visual acceptance criteria, etc.

a - WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 8 IN (76 MM) OF THE WELD.
b - AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1c) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1d) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLES FOR CRACKS.
c - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.

INSPECTION TASKS PRIOR TO BOLTING - TABLE N5.6-1. Table with 3 columns: TASK, QC, QA. Lists tasks like manufacturer's certifications, fasteners marked in accordance with ASTM requirements, etc.

a - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.

INSPECTION TASKS DURING BOLTING - TABLE N5.6-2. Table with 3 columns: TASK, QC, QA. Lists tasks like fastener assemblies placed in all holes, joint brought to the snug-tight condition, etc.

a - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.

INSPECTION TASKS AFTER BOLTING - TABLE N5.6-3. Table with 3 columns: TASK, QC, QA. Lists tasks like document acceptance or rejection of bolted connections.

a - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.

INSPECTION OR EXECUTION TASKS PRIOR TO WELDING - ANSI/SDI TABLE 1.3. Table with 3 columns: TASK, QC, QA. Lists tasks like welding procedure specifications, manufacturer certifications, etc.

a - INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS.
P - PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.

INSPECTION OR EXECUTION TASKS DURING WELDING - ANSI/SDI TABLE 1.4. Table with 3 columns: TASK, QC, QA. Lists tasks like use of qualified welders, control and handling of welding consumables, etc.

a - INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS.
P - PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.

INSPECTION OR EXECUTION TASKS AFTER WELDING - ANSI/SDI TABLE 1.5. Table with 3 columns: TASK, QC, QA. Lists tasks like verify size and location of welds, welds meet visual acceptance criteria, etc.

a - INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS.
P - PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.

INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING - ANSI/SDI TABLE 1.6. Table with 3 columns: TASK, QC, QA. Lists tasks like manufacturer installation instructions, proper tools available, etc.

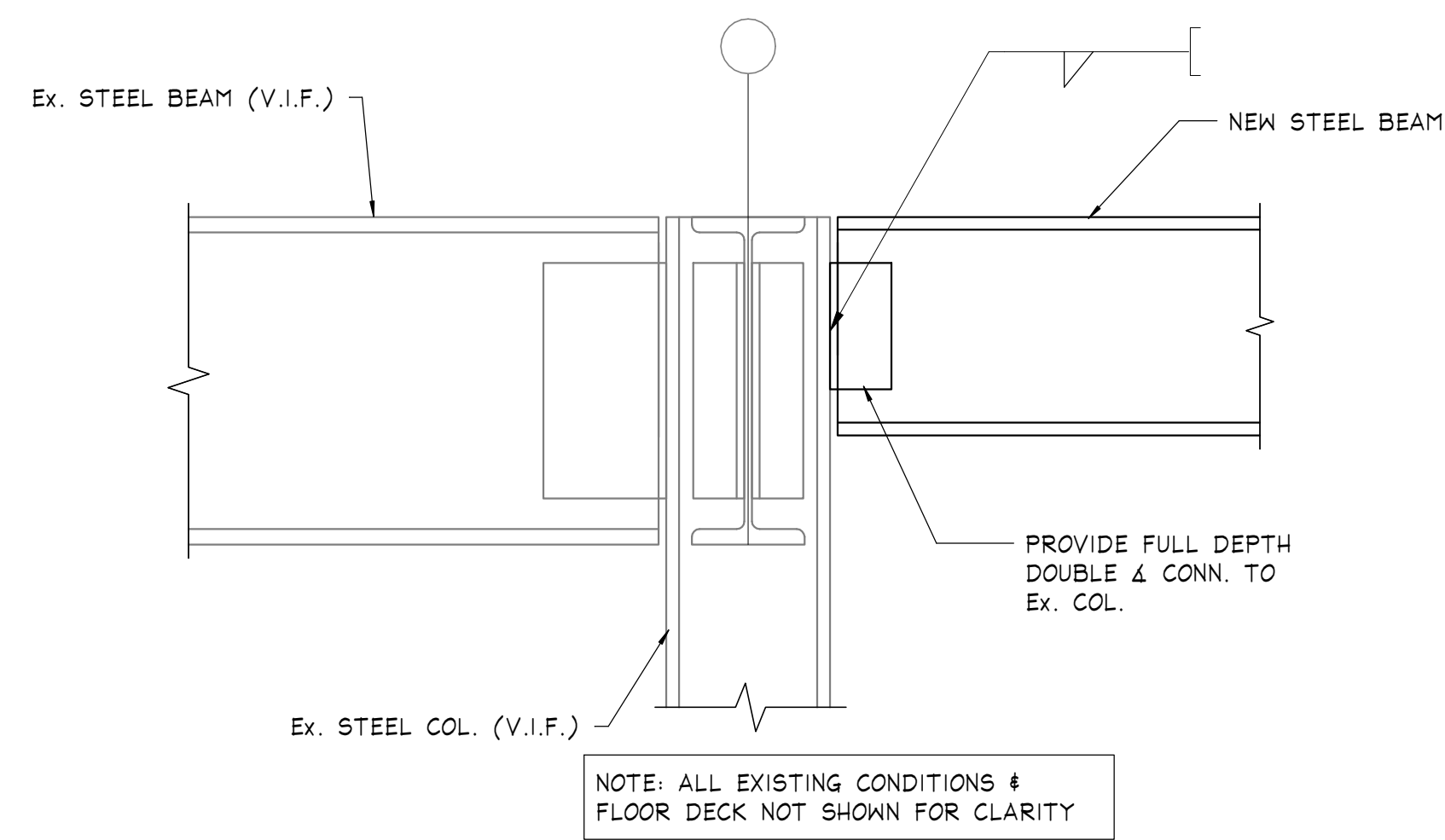
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P - PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.

INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING - ANSI/SDI TABLE 1.7. Table with 3 columns: TASK, QC, QA. Lists tasks like fasteners are positioned as required, fasteners are installed in accordance with manufacturer's instructions, etc.

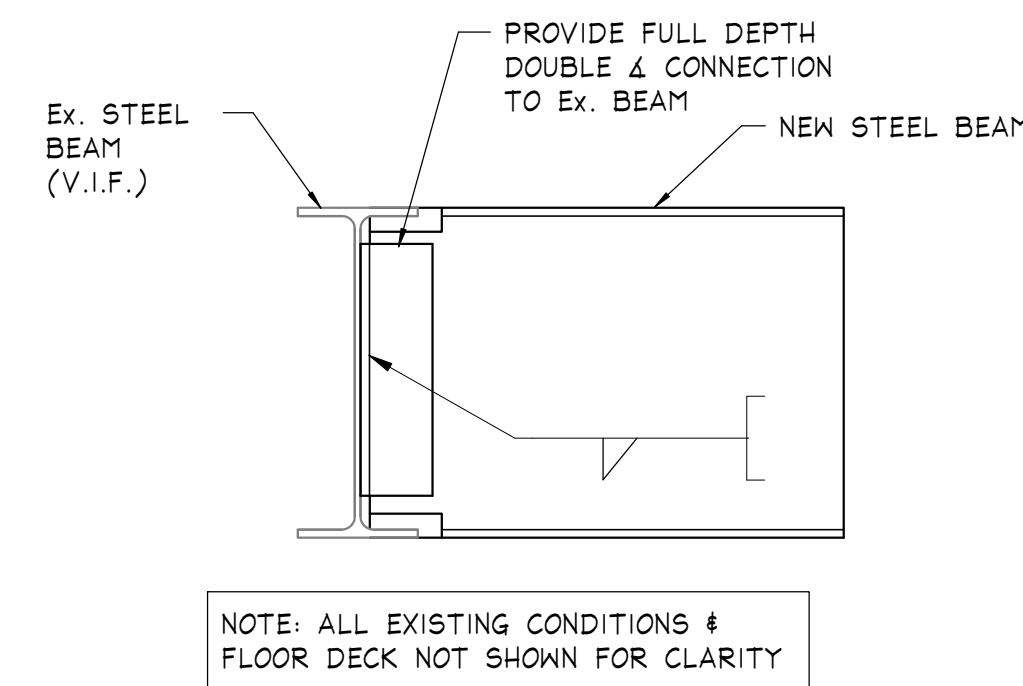
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P - PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.

INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING - ANSI/SDI TABLE 1.8. Table with 3 columns: TASK, QC, QA. Lists tasks like check spacing, type, and installation of support fasteners, etc.

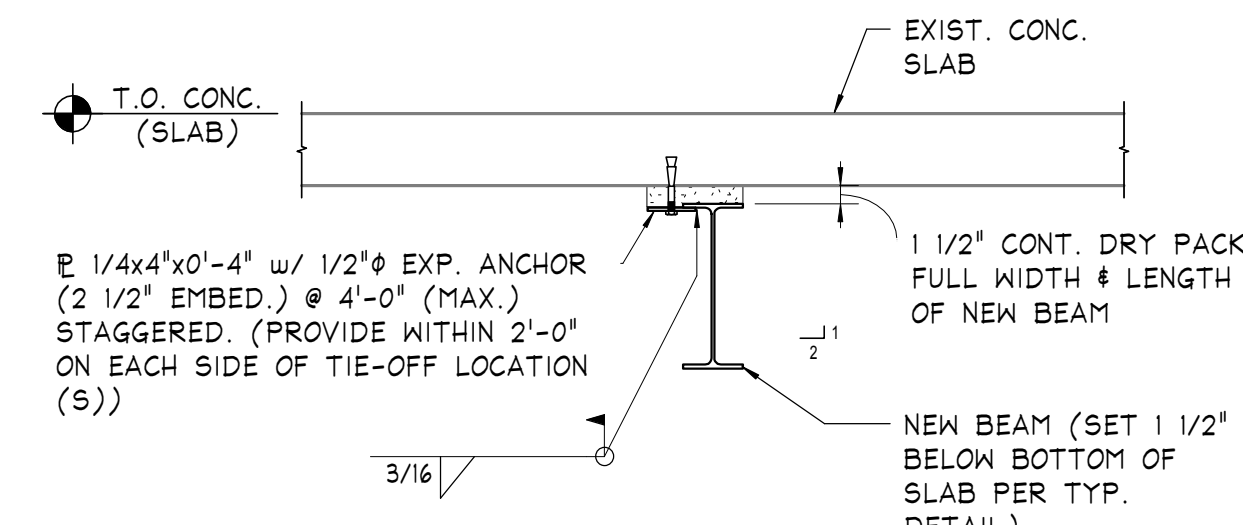
a - INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS.
P - PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.



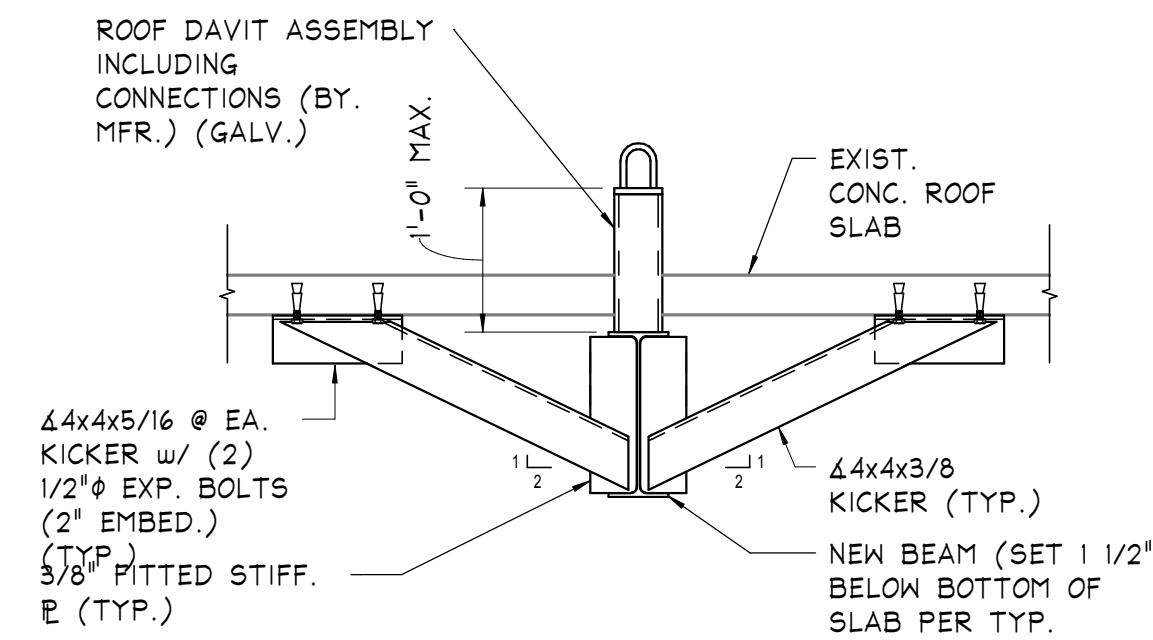
**TYPICAL CONNECTION DETAIL FOR NEW BEAM TO EXISTING COLUMN**



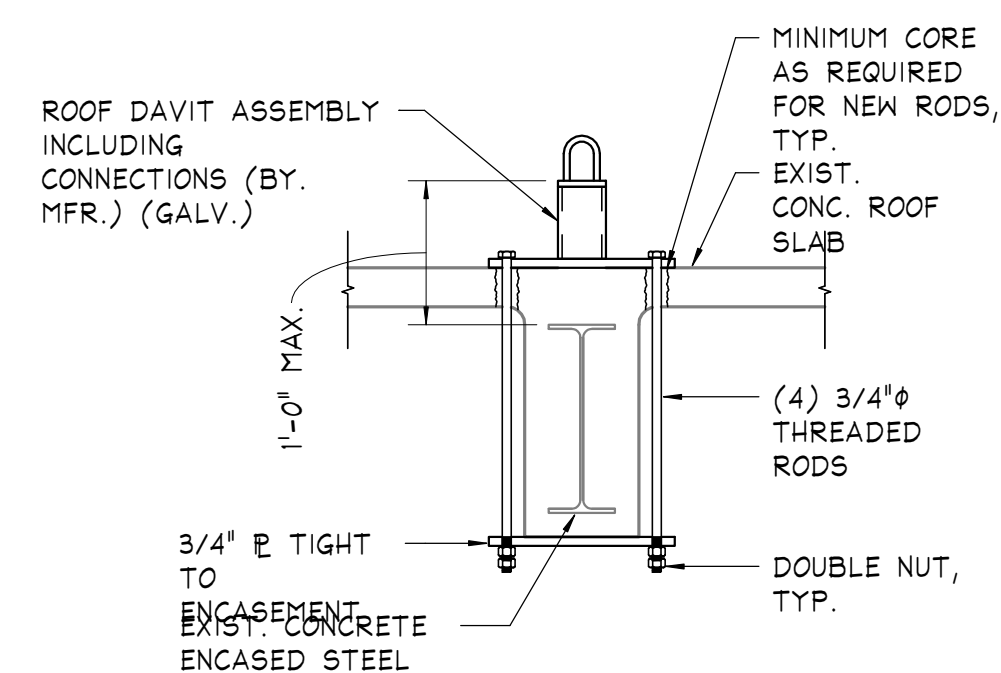
**TYPICAL CONNECTION DETAIL FOR NEW BEAM TO EXISTING BEAM**



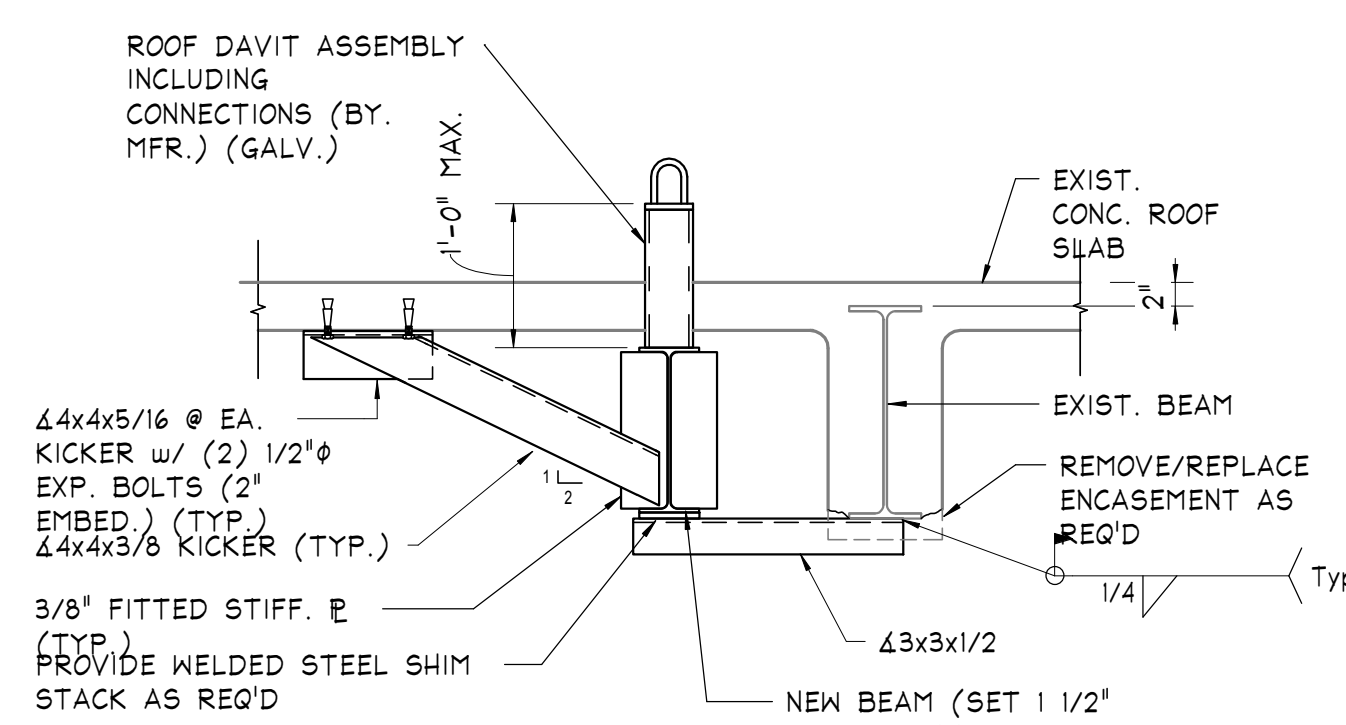
**TYPICAL NEW BEAM BENEATH EXIST. SLAB DETAIL**



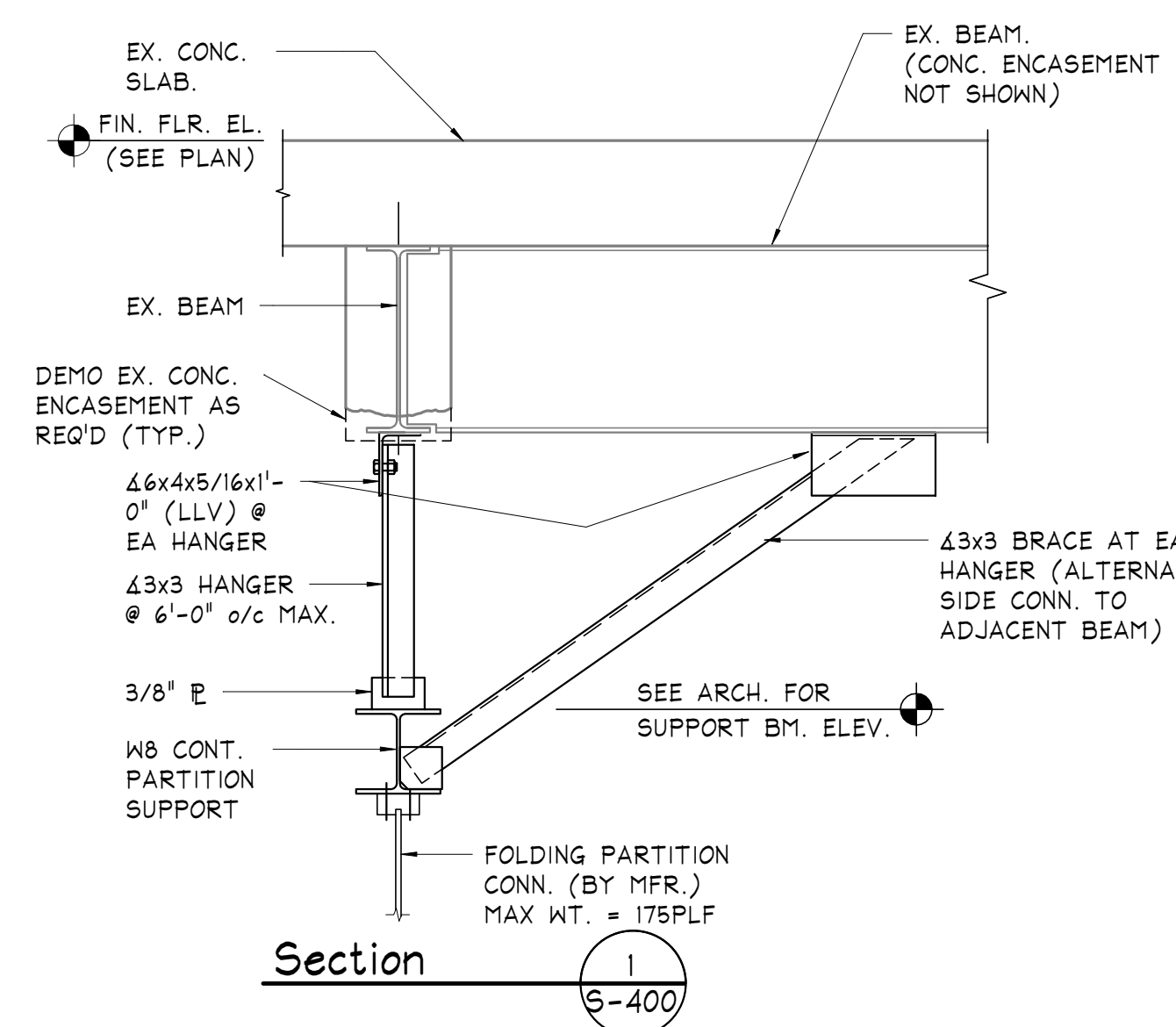
**TIE-OFF TYPICAL DETAIL @ NEW BEAM BENEATH EXIST. CONC. SLAB**  
(COORDINATE LOCATION WITH ARCH. PLANS.)



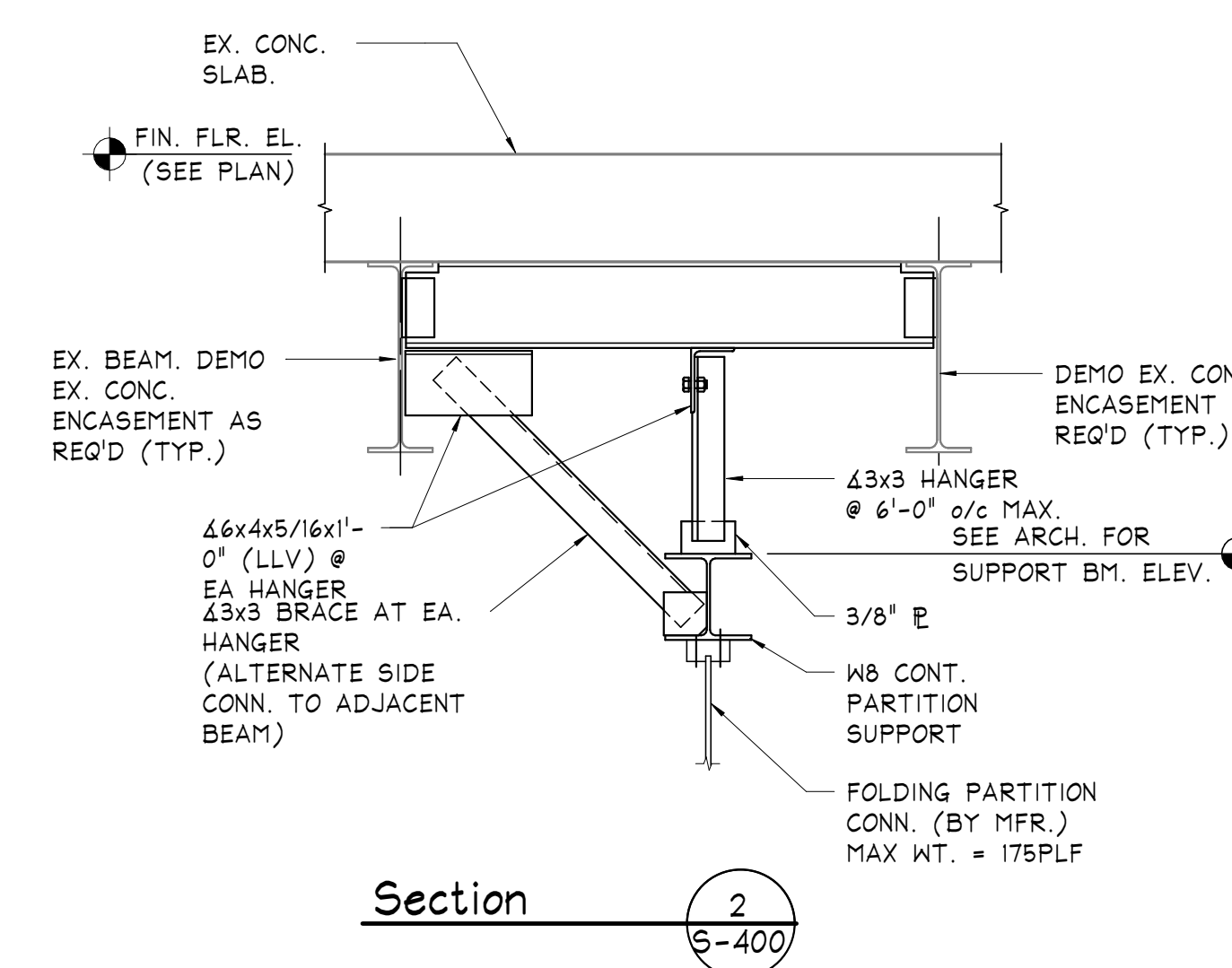
**TIE-OFF TYPICAL DETAIL @ EXIST. CONCRETE-ENCASED STEEL BEAM**  
(COORDINATE LOCATION WITH ARCH. PLANS.)



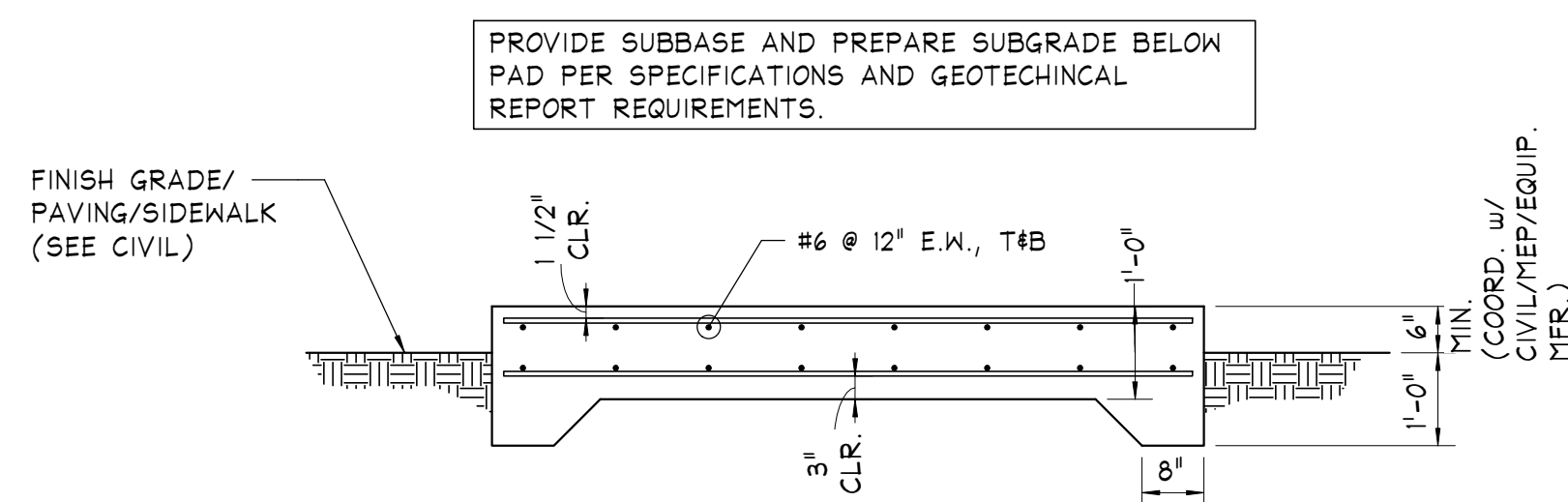
**TIE-OFF TYPICAL DETAIL @ NEW BEAM BENEATH EXIST. CONC. SLAB ADJACENT TO EXIST. BEAM**  
(COORDINATE LOCATION WITH ARCH. PLANS. & V.I.F.)



**Section 1**  
S-400



**Section 2**  
S-400



**CONCRETE BASE FOR EXTERIOR EQUIPMENT TYPICAL DETAIL**

NOTES:  
1) COORDINATE LOCATIONS AND DIMENSIONS OF EQUIPMENT SUPPORT PADS WITH M.E.P. DWGS., MECHANICAL CONTRACTOR AND WITH EQUIPMENT MFR.  
2) COORDINATE VIBRATION ISOLATION REQUIREMENTS WITH M.E.P. DWGS. AND SPECIFICATIONS AND WITH EQUIPMENT MFR.



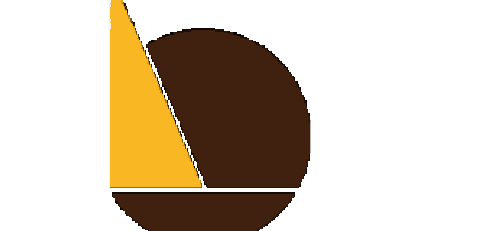
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PROJECT TITLE:  
**400 N. BROAD PARTNERS, L.P.**  
**400 NORTH BROAD STREET PHILADELPHIA, PA**

- PROGRESS SET
- CLIENT REVIEW
- BID SET
- CODE REVIEW SET
- ISSUED FOR CONSTRUCTION

**ISSUED FOR BIDS**  
**9/18/2020**  
(NOT FOR CONSTRUCTION)

ISSUES/REVISIONS:  
1 09/18/20 ISSUED FOR BID

PROJECT NUMBER: 304103-120  
SCALE: As indicated  
DATE: 09/18/2020  
DRAWN BY: Author  
CHECKED BY: Checker

DRAWING TITLE:  
**TYPICAL FRAMING DETAILS & SECTIONS**

SHEET NO.:  
**S-400**



**FIRE PROTECTION ABBREVIATIONS**

ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AUX	AUXILIARY
BFP	BACKFLOW PREVENTER
(R)	EXISTING TO BE DEMOLISHED/REMOVED
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
(E)	EXISTING TO REMAIN
EL	ELEVATION
(ER)	EXISTING TO BE RELOCATED
*F	DEGREE FAHRENHEIT
FA	FIRE ALARM
FDC	FIRE DEPARTMENT CONNECTION
FHV	FIRE HOSE VALVE
FP	FIRE PROTECTION
FS	FLOW SWITCH
FT	FEET
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GWB	GYPNUM WALL BOARD
IBC	INTERNATIONAL BUILDING CODE
IFC	INTERNATIONAL FIRE CODE
IN	INCHES
ITV	INSPECTORS TEST VALVE
LPD	LOW POINT DRAIN
(N)	NEW/PROPOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NIS	NOT IN SCOPE
NTS	NOT TO SCALE
OS&Y	OUTSIDE STEM AND YOKE
PIV	POST INDICATOR VALVE
POC	POINT OF CONNECTION (NEED TO DEFINE)
POD	POINT OF DEMOLITION
PRGV	PRESSURE REGULATING VALVE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
QR	QUICK RESPONSE
SCH	SCHEDULE
SPK	SPRINKLER
SQFT	SQUARE FEET
TS	TAMPER SWITCH
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED

**FIRE PROTECTION SYMBOLS**

	FIRE PUMP TEST HEADER
	2-INLET FIRE DEPARTMENT CONNECTION
	3-INLET FIRE DEPARTMENT CONNECTION
	STANDPIPE HOSE VALVE
	STANDPIPE HOSE VALVE IN CABINET
	CHECK VALVE
	WET SPRINKLER VALVE
	DRY SPRINKLER VALVE
	ZONE CONTROL ASSEMBLY
	INSPECTORS TEST VALVE
	TEST AND DRAIN VALVE ASSEMBLY
	AUXILIARY DRAIN
	AIR COMPRESSOR
	WATER FLOW SWITCH
	PRESSURE SWITCH - WATER FLOW
	PRESSURE SWITCH - LOW AIR
	TAMPER SWITCH
	OS&Y CONTROL VALVE
	BUTTERFLY CONTROL VALVE W/ TAMPER
	BACKFLOW PREVENTER
	FIRE PUMP
	FIRE PUMP CONTROLLER
	JOCKEY PUMP
	JOCKEY PUMP CONTROLLER
	PRESSURE GAUGE
	PIPE CAP
	VERTICAL PIPE
	VERTICAL PIPE ON ELBOW
	VERTICAL PIPE ON TEE
	PIPE PENETRATION
	POINT OF CONNECTION OF NEW WORK TO EXISTING
	TERMINATION POINT OF DEMOLITION

**FIRE PROTECTION LINETYPE LEGEND**

EXISTING	PROPOSED*	DESCRIPTION
--- F ---	— F —	FIRE PROTECTION MAIN
--- STP ---	— STP —	FIRE PROTECTION MAIN - DEDICATED STANDPIPE
--- SPK ---	— SPK —	FIRE PROTECTION MAIN - DEDICATED SPRINKLER
--- WET ---	— WET —	SPRINKLER SYSTEM PIPING - WET

\*HEAVY LINEWEIGHTS SHALL REPRESENT NEW WORK/NEW EQUIPMENT.  
\*LIGHT/LIGHTER LINEWEIGHTS SHALL REPRESENT EXISTING EQUIPMENT.

**FIRE PROTECTION SPRINKLER SYMBOLS**

SYMBOL	DESCRIPTION
	PENDENT SPRINKLER
	UPRIGHT SPRINKLER
	CONCEALED PENDENT SPRINKLER
	EXTENDED COVERAGE CONCEALED PENDENT SPRINKLER



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PROJECT TITLE:  
**THE CITY OF PHILADELPHIA  
OFFICE OF EMERGENCY MANAGEMENT  
PHILADELPHIA PUBLIC SERVICES BUILDING  
400 NORTH BROAD STREET, PHILADELPHIA, PA 19130  
FLOORS 8, 9 AND 10**

- PROGRESS SET
- CLIENT REVIEW
- BID SET
- CODE REVIEW SET
- ISSUED FOR CONSTRUCTION

**ISSUED FOR BIDS**  
**9/18/20**  
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PROJECT NUMBER: 304103-120 OC  
SCALE: NTS  
DATE: 07/07/2020  
DRAWN BY: WAB  
CHECKED BY: SMF

DRAWING TITLE:  
**FIRE PROTECTION  
ABBREVIATIONS  
AND SYMBOLS**

SHEET NO.:  
**FP-001**

## GENERAL NOTES

- CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS & LAWS OF AUTHORITIES HAVING JURISDICTION.
- ALL MATERIALS, MEANS AND METHODS SHALL COMPLY WITH APPLICABLE CODES, ORDINANCES, REGULATIONS AND STANDARDS.
- CONTRACTOR SHALL PERFORM A SITE SURVEY TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ENGINEER AT ONCE OF ANY DISCREPANCIES.
- EACH CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS OF ALL TRADES FOR A THOROUGH UNDERSTANDING OF PROJECT AND ANY CROSS REFERENCING OF WORK. REVIEW ALL PROJECT REQUIREMENTS PRIOR TO BIDDING. DISCREPANCIES BETWEEN DOCUMENTS SHALL BE REPORTED TO THE ENGINEER PRIOR TO BIDDING. IN THE CASE OF ANY DISCREPANCIES, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.
- ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE PROJECT AREA THROUGH DESIGNATED ACCESS POINTS AS DETERMINED BY THE OWNER OR THEIR DESIGNATED REPRESENTATIVE.
- THE CONTRACTOR SHALL NOT BE ALLOWED ANY STORAGE AREA OTHER THAN THAT AVAILABLE WITHIN THE LIMITS OF THE STAGING AREA OR CONFINES OF THE WORK AREA.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF CONSTRUCTION DEBRIS AND REFUSE ON A DAILY BASIS.
- A COPY OF THE CURRENT SET OF CONTRACT DOCUMENTS (WITH AS-BUILT INFORMATION) SHALL BE KEPT AT THE JOB SITE AT ALL TIMES BY THE CONTRACTOR.
- ALL PENETRATIONS, THROUGH DESIGNATED FIRE RATED WALLS, CEILINGS AND FLOOR SLABS SHALL BE PROPERLY SEALED WITH AN APPROVED RATED FIRE STOPPING MATERIAL. ALL FIRE STOPPING MATERIAL SHALL BE SUPPLIED AND WORK PERFORMED AS PER PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL REPLACE IN-KIND ANY EQUIPMENT OR ARCHITECTURAL ELEMENTS DAMAGED BY WORK OF THIS PROJECT AT NO ADDITIONAL COSTS TO THE OWNER.
- CONTRACTOR SHALL COMPLETE ALL CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF THE WORK. CUTTING AND PATCHING SHALL BE COMPLETED IN A NEAT AND WORKMAN LIKE MANNER. PATCHING MATERIALS SHALL MATCH EXISTING MATERIALS TO THE GREATEST EXTENT POSSIBLE. PROVIDE TOUCH UP PAINT AS REQUIRED TO MATCH PAINT FINISH AND COLOR OF EXISTING ADJACENT AREAS. CONTRACTOR SHALL SALVAGE MATERIALS FOR RE-USE IN AREAS WHERE SUBSTRATES/SURFACES ARE TO BE PATCHED/REPAIRED (I.E. TILES, WALLS, CEILING TILE).
- THE CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION FOR A PERIOD OF ONE YEAR (EXCEPT WHERE EXTENSIONS OF THIS ONE YEAR PERIOD ARE NOTED) FROM THE DATE OF ACCEPTANCE OF THE SYSTEM AS A WHOLE. ANY DEFECTS IN WORKMANSHIP, MATERIALS, MALFUNCTION OF EQUIPMENT OR UNSATISFACTORY PERFORMANCE, AND ALL OTHER WORK OR PARTS OF THE BUILDING DAMAGED THEREBY, AS A RESULT OF WORK OF THE PROJECT BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PAY ALL REPAIR COSTS ACCORDINGLY WITHOUT ADDITIONAL COSTS TO THE OWNER.
- IN ADDITION TO SPECIFICATIONS, AS MAY BE DEFINED HEREAFTER, THE CONTRACTOR SHALL PROTECT THE WORK SITE AND ALL HIS OR HER WORK AGAINST ANY DAMAGE UNTIL FINAL COMPLETION AND ACCEPTANCE BY THE OWNER.
- CONTRACTOR SHALL, UPON COMPLETION OF THE WORK, SUBMIT AS-BUILT RECORD DRAWINGS SHOWING ALL CHANGES FROM THE CONTRACT DRAWING MADE IN THE INSTALLATION, AND SHOWING DIMENSION LOCATIONS OF CONCEALED EQUIPMENT.
- PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE, THE CONTRACTOR SHALL PROVIDE MATERIAL SAFETY DATA SHEETS FOR ALL ITEMS AND MATERIALS USED IN THE WORK.
- PRIOR TO ACCEPTANCE OF THE SPACE, ALL SYSTEMS SHALL BE INSPECTED, TESTED AND OPERATED TO DEMONSTRATE TO THE OWNER, OR HIS DESIGNATED REPRESENTATIVE, THAT THE INSTALLATION AND PERFORMANCE OF THESE SYSTEMS AND/OR PARTS THEREOF CONFORM TO THE DESIGN INTENT.
- THE BUILDING IS A WORK OF A COMPLEX NATURE WHICH WILL REQUIRE ACCURATE PLANNING, CAREFUL PREPARATION AND EXECUTION, ATTENTION TO DETAIL AND CLOSE SUPERVISION BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO DO THIS WORK IN FULL COOPERATION WITH ALL CONSTRUCTION TRADES AND SUBJECT TO SCHEDULING ARRANGED TO MINIMIZE DISRUPTION OF NORMAL ACTIVITIES OF THE BUILDING.
- PRIOR TO ANY CORE DRILLING, THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A UTILITY LOCATOR FIRM WITH ABILITY TO LOCATE CONDUIT IN CONCRETE SLABS. CONTRACTOR SHALL IDENTIFY THE LOCATION OF CONDUITS IN SLAB, THEN PRESENT THE FINDINGS TO THE ENGINEER FOR REVIEW PRIOR TO CORE DRILLING. ALL PENETRATIONS THROUGH DESIGNATED FIRE RATED WALLS, CEILINGS AND FLOOR SLABS SHALL BE PROPERLY SEALED WITH AN APPROVED RATED FIRE STOPPING MATERIAL. ALL FIRE STOPPING MATERIAL SHALL BE SUPPLIED AND WORK PERFORMED AS PER PROJECT SPECIFICATIONS.
- JUNCTION BOXES, VALVES, DAMPERS, OR ANY CONCEALED EQUIPMENT REQUIRING ACCESS SHALL ONLY BE PERMITTED LOCATED IN ACCESSIBLE TYPE AREAS (I.E. LAY-IN TYPE CEILING, ETC.) OR SHALL BE PROVIDED WITH ACCESS PANELS.
- WHERE UTILITIES AND/OR SERVICES REQUIRE SHUTDOWN FOR THE WORK TO BE PERFORMED, NOTIFY THE PORT AUTHORITY PROJECT ENGINEER, REQUESTS FOR UTILITY AND/OR SERVICES SHUTDOWNS SHALL BE SUBMITTED TO THE PORT AUTHORITY PROJECT ENGINEER, IN WRITING, A MINIMUM OF ONE WEEK PRIOR TO THE SCHEDULED SHUTDOWN.
- ALL SYSTEMS SHALL BE RETURNED TO SERVICE PRIOR TO COMPLETION OF APPROVED SHIFT AND AT THE END OF EACH WORK DAY. IN THE EVENT A SYSTEM CANNOT BE RETURNED TO SERVICE THE CONTRACTOR SHALL PROVIDE A FIRE WATCH.
- ALL PAINT SHALL MEET THE REQUIREMENTS OF THE NFPA FOR FLAME SPREAD AND SMOKE DENSITY. PAINT PROCESS SHALL MEET ENVIRONMENTAL STANDARDS FOR VENTILATION AS ESTABLISHED BY OSHA. ALL PAINTS, SOLVENTS, RAGS AND OTHER PAINTING REFUSE SHALL BE DISPOSED OF PROPERLY OFF SITE ACCORDING TO STATE AND FEDERAL ENVIRONMENTAL REGULATIONS. EVIDENCE OF SUCH COMPLIANCE SHALL BE FURNISHED TO THE OWNER PRIOR TO THE START OF PAINTING WORK.
- PRIOR TO THE APPLICATION OF PAINT, CONTRACTOR SHALL PROPERLY PREPARE AND CLEAN PIPING AND EQUIPMENT PER PAINT MANUFACTURERS' GUIDELINES.
- THE CONTRACTOR SHALL TAKE ANY ALL PREVENTIVE MEASURES TO CURTAIL THE NOISE LEVEL AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO CURTAIL ANY ACTIVITY IT DEEMS OBTRUSIVE TO OPERATIONS.

## FIRE PROTECTION NOTES

- THE SCOPE OF WORK INCLUDES FURNISHING MATERIALS AND LABOR FOR ALL INSTALLATION, PHASING, TESTING AND ACCEPTANCE OF THE FIRE PROTECTION SYSTEM(S) AS SHOWN IN THE CONTRACT DOCUMENTS. THE PROJECT SCOPE INCLUDES:
  - THESE DOCUMENTS PROVIDE FIRE SUPPRESSION DOCUMENTS FOR A RETRO-FIT. CONTRACTOR SHALL PROVIDE WET TYPE SPRINKLER SYSTEMS.
- THE PROJECT SHALL BE BASED ON THE REQUIREMENTS OF THE FOLLOWING CODES, STANDARDS, TESTING LABORATORIES AND UNDERWRITING AGENCIES:
  - PHILADELPHIA BUILDING CODE (INTERNATIONAL BUILDING CODE 2018)
  - PHILADELPHIA BULLETINS AND L&I PUBLICATIONS
  - PHILADELPHIA FIRE CODE (2018 INTERNATIONAL FIRE CODE)
  - PHILADELPHIA MECHANICAL CODE (2018 INTERNATIONAL MECHANICAL CODE)
  - PENNSYLVANIA UNIFORM CONSTRUCTION CODE
  - PENNSYLVANIA FIRE CODE
  - NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS 2016 EDITION
  - NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS 2016 EDITION
  - NFPA 70, NATIONAL ELECTRIC CODE, 2016 EDITION
  - NFPA 72, NATIONAL FIRE ALARM CODE, 2016 EDITION
  - ADAG, ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES, 2002 EDITION
  - UL LISTED PRODUCTS FOR FIRE PROTECTION USE CONSIDERING ENVIRONMENTAL CONDITIONS
  - MANUFACTURERS PRINTED UL LISTED INSTALLATION INSTRUCTIONS
  - ALL MATERIALS TO BE FM GLOBAL APPROVED AND INSTALLED TO MEET FM GLOBAL STANDARDS
  - APPLICABLE FM GLOBAL DATA SHEETS
  - PROJECT SPECIFICATIONS
- THE CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE PREPARATION AND SUBMISSION OF SEALED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS ACCOMPANIED BY COMPLETE PRODUCT DATA. PARTIAL SUBMISSIONS WILL BE REJECTED.
- CONTRACTOR SHALL PERFORM OBTAIN HYDRANT FLOW TEST AND SUBMIT RESULTS FOR REVIEW. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS AND FEES ASSOCIATED WITH TESTS. HYDRANTS TESTED SHALL BE LOCATED AS CLOSE AS POSSIBLE TO POINT OF FIRE SERVICE CONNECTION TO THE CITY MAIN. TEST DATA SHALL INDICATE LOCATIONS OF THE HYDRANTS TESTED, STATIC PRESSURE, RESIDUAL PRESSURE AT THE TEST FLOW (MINIMUM 500 GPM) AND GRADE ELEVATION AT THE HYDRANT TESTED.
- THE CONTRACTOR SHALL SHOW ALL FINAL LOCATIONS ON THE SHOP DRAWINGS THAT ARE COORDINATED WITH THE OTHER TRADES, PRIOR TO SUBMISSION TO THE ENGINEER FOR APPROVAL.
- PIPE AND VALVE LOCATIONS ARE DIAGRAMMATIC AND ARE SHOWN FOR GENERAL REFERENCE ONLY. COORDINATE ALL PIPING, VALVES, DRAINS, TEST CONNECTION LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL ELEMENTS, LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT, HVAC EQUIPMENT, ETC. PROPER COORDINATION SHALL BE PERFORMED WITH ALL OTHER CONTRACTORS PRIOR TO SHOP DRAWING SUBMISSION.
- PIPE SHALL BE STANDARD-WEIGHT SCHEDULE 40, ASTM A120/53 STEEL PIPE FOR WET-PIPE AND DRY-PIPE FIRE PROTECTION SYSTEMS. PIPING SHALL BE IN COMPLIANCE WITH NFPA 13.
- SCHEDULE 10 PIPING IS NOT PERMITTED.
- 2" PIPING AND SMALLER SHALL BE THREADED OR MECHANICAL FITTINGS.
- 2-1/2" PIPING AND LARGER SHALL BE MECHANICAL FITTINGS.
- STANDARD PRESSURE PIPING COMPONENTS AND FITTINGS SHALL BE RATED FOR A MINIMUM 175 PSIG.
- HIGH PRESSURE PIPING COMPONENTS AND FITTINGS SHALL BE RATED FOR A MINIMUM 300 PSIG.
- PIPING SHALL BE INSTALLED TIGHT TO SLABS, BEAMS, JOISTS, COLUMNS, WALLS, AND OTHER BUILDING ELEMENTS. INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS, GYPSUM BOARD PARTITIONS, AND CONCRETE FLOOR AND ROOF SLABS.
- HANGARS AND SUPPORTS SHALL COMPLY WITH NFPA 13, FM GLOBAL STANDARDS, AND ALL LOCAL AMENDMENTS.
- PROVIDE SEISMIC RESTRAINTS AND BRACING IN ACCORDANCE WITH FM GLOBAL AND NFPA 13 FIRE PROTECTION PIPING.
- PERFORM HYDROSTATIC TESTS FOR ALL SECTIONS OF THE PIPING SYSTEMS INSTALL AT NOT LESS THAN 200 PSI PRESSURE OR 50 PSI IN EXCESS OF THE SYSTEM WORKING PRESSURE FOR TWO HOURS. ALL TESTING SHALL CONFORM TO FM GLOBAL STANDARDS AND NFPA 13.
- FIRE PROTECTION PIPING SHALL HAVE LABELS, TAGS OR PIPE MARKERS ON EQUIPMENT AND PIPING IN ACCORDANCE WITH FM GLOBAL STANDARDS, NFPA 13, AND PACKAGE SPECIFICATIONS.
- WHEN REQUIRED, EXPOSED FIRE PROTECTION PIPING SHALL BE PAINTED IN ACCORDANCE WITH AHJ REQUIREMENTS. WHERE ALLOWABLE PIPING SHALL BE PAINTED TO MATCH ARCHITECTURAL FINISHES/COLORS. PRIOR TO THE APPLICATION OF PAINT, CONTRACTOR SHALL PROPERLY PREPARE AND CLEAN PIPING PER PAINT MANUFACTURERS GUIDELINES. PROVIDE PAINT SAMPLES TO OWNERS REPRESENTATIVE FOR APPROVAL.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL WORK, INCLUDING LIGHTS, GRIDS, HVAC EQUIPMENT ETC. NOTIFY ENGINEER OF CEILING ELEMENT CONFLICTS PRIOR TO CONTINUING WORK. ROUTING OF ALL PIPING SHALL BE COORDINATED WITH THE STRUCTURE, ARCHITECTURAL FINISHES, AND EQUIPMENT OF OTHER TRADES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CEILING REPLACEMENT OR RECONSTRUCTION ASSOCIATED WITH THE FIRE PROTECTION SYSTEM SCOPE OF WORK.
- THE CONTRACTOR SHALL PROVIDE DETAILED AS-BUILT DRAWINGS UPON COMPLETION OF WORK.
- THE CONTRACTOR SHALL UTILIZE FLEXIBLE STYLE SPRINKLER HEAD IN ALL ACOUSTICAL TILES. HARD PIPED ARMOVERS SHALL NOT BE ACCEPTABLE.
- THE CONTRACTOR SHALL PROVIDE A SPRINKLER SYSTEM LOOP ON ALL WET-PIPE SPRINKLER SYSTEM FLOORS FOR FUTURE FIT-OUT FLEXIBLE.
- BUILDING SHALL BE FULLY SPRINKLERED. ALL UNFINISHED / SHELL SPACES SHALL BE FURNISHED WITH BRANCHLINES WITH UPRIGHT HEADS ON 1" OUTLETS MINIMUM FOR FUTURE FIT-OUTS OF SPACES. KEEP BRANCHLINES AS HIGH AS POSSIBLE TO ACCOMMODATE FUTURE CEILINGS.

## SCHEDULE AND PHASING NOTES

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SCHEDULE WITH THE MASTER PROJECT SCHEDULE. THE SCHEDULE SHALL BE COORDINATED WITH ALL OTHER TRADES AND SUBMITTED TO THE OWNER EVERY TWO WEEKS. ALL CONTRACTORS SHALL BEAR THE COST OF ANY SCOPE IMPACTS CAUSED BY CHANGES TO THE MASTER PROJECT SCHEDULE. PRIOR TO THE START OF INSTALLATION, A MASTER SCHEDULE SHALL BE SUBMITTED FOR OWNER APPROVAL. ALL WORK SHALL BE COMPLETE (INCLUDING TESTING AND FINAL APPROVAL BY AHJ) IN ACCORDANCE WITH MASTER SCHEDULE.

FIRE PROTECTION WORK SHALL COMMENCE IN THE FOLLOWING 4 PHASES:

- FIELD SURVEY AND SHOP DRAWING SUBMITTAL: DEVELOP COORDINATED SHOP DRAWINGS FOR APPROVAL BY OWNER AND OWNER'S REPRESENTATIVE.
- SYSTEM INSTALLATION: UPON APPROVAL OF SHOP DRAWINGS PERFORM INSTALLATION IN ACCORDANCE WITH MASTER SCHEDULE AND COORDINATE INSTALLATION WITH ALL OTHER TRADES.
- ACCEPTANCE TESTING/OPERATIONAL DEMONSTRATION TO OWNER: PRIOR TO SUBMITTING A REQUEST FOR FINAL INSPECTION THE CONTRACTOR SHALL TEST AND OPERATE ALL EQUIPMENT AND DEVICES TO VERIFY THE PROPER OPERATION AND INSTALLATION OF THE SYSTEM. ANY AND ALL ISSUES SHALL BE CORRECTED AND ADDITIONAL TESTING SHALL BE REPEATED AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER. SATISFACTORILY DEMONSTRATE TO OWNERS REPRESENTATIVE THE PROPER OPERATION AND FUNCTION OF SYSTEMS.
- FINAL INSPECTION: UPON COMPLETION OF ACCEPTANCE TESTING CONTRACTOR SHALL REQUEST, COORDINATE AND PERFORM ALL NECESSARY INSPECTIONS WITH THE AHJ AND ALL OTHER TRADES NECESSARY FOR A SUCCESSFUL INSPECTION. ADDITIONAL INSPECTIONS DUE TO CONTRACTOR ERROR SHALL BE PERFORMED AT NO ADDITIONAL COST TO OWNER.



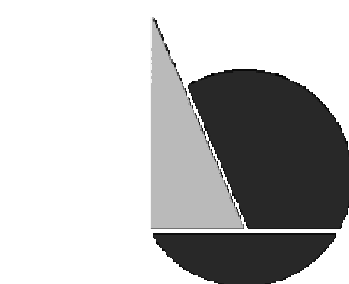
IEI GROUP, LTD.  
IEI ARCHITECTS, INC.

428 North 2nd Street  
Philadelphia, PA 19123  
Telephone: 215 413 3700

CONSULTANTS:



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PHILADELPHIA PUBLIC SERVICES BUILDING  
400 NORTH BROAD STREET, PHILADELPHIA, PA 19130  
FLOORS 8, 9 AND 10

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- BID SET
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BIDS  
9/18/20  
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ISSUES/REVISIONS:  
1 2020-09-18 ISSUED FOR BIDS

PROJECT NUMBER: 304103-120 OC  
SCALE: NTS  
DATE: 07/07/2020  
DRAWN BY: WAB  
CHECKED BY: SMF

DRAWING TITLE:  
FIRE PROTECTION  
GENERAL NOTES

SHEET NO:  
FP-002

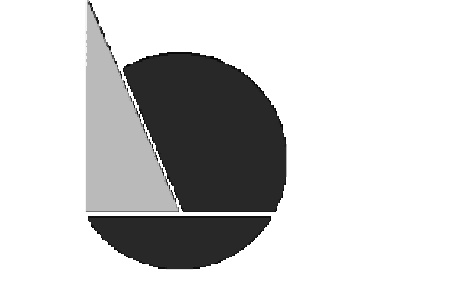
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 FLOORS 8, 9 AND 10**

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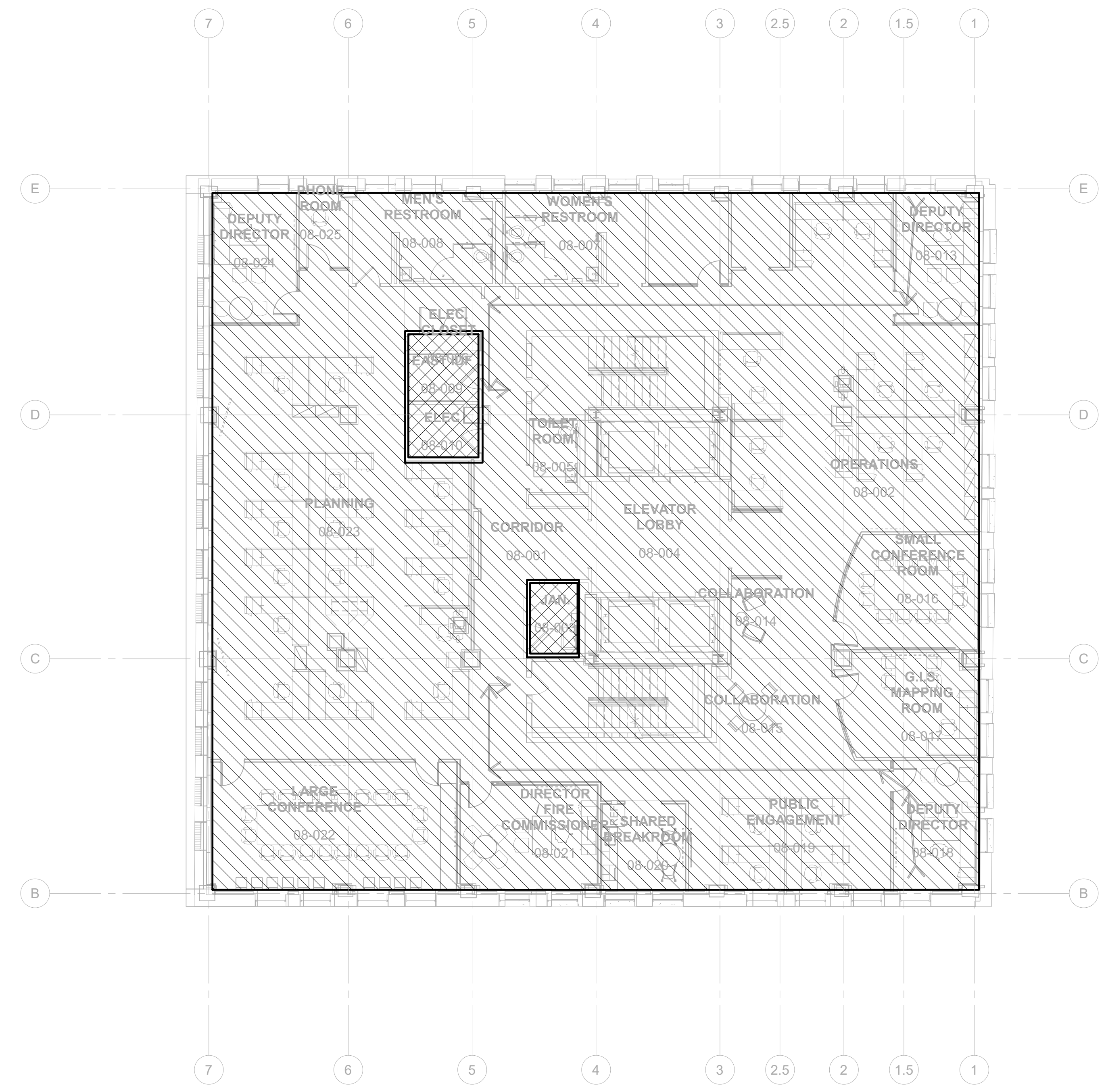
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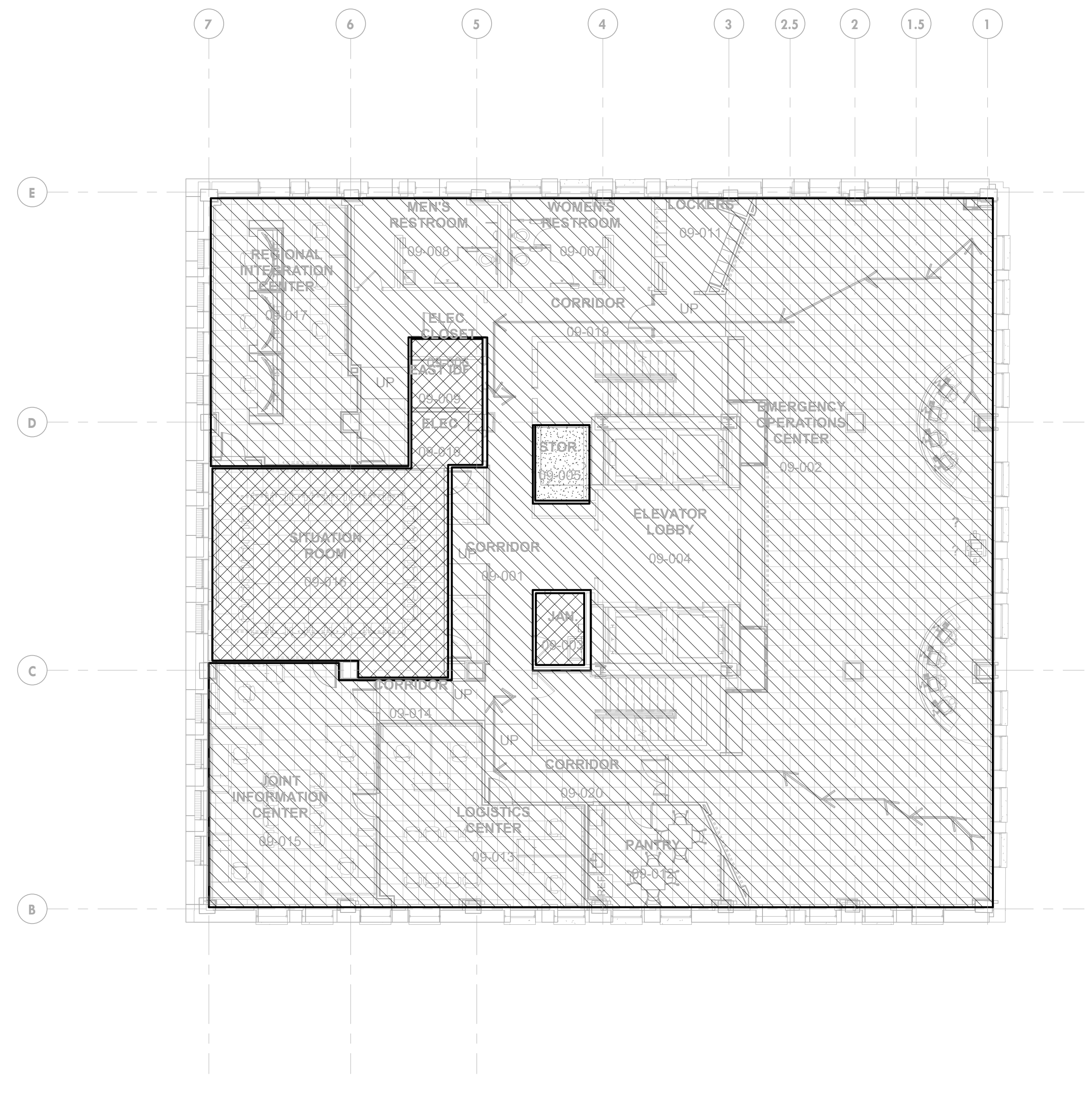
PROJECT NUMBER: 304103-120 OC  
 SCALE: As indicated  
 DATE: 07/07/2020  
 DRAWN BY: WAB  
 CHECKED BY: SMF

DRAWING TITLE:  
**OCCUPANCY  
 HAZARD  
 CLASSIFICATION  
 PLANS**

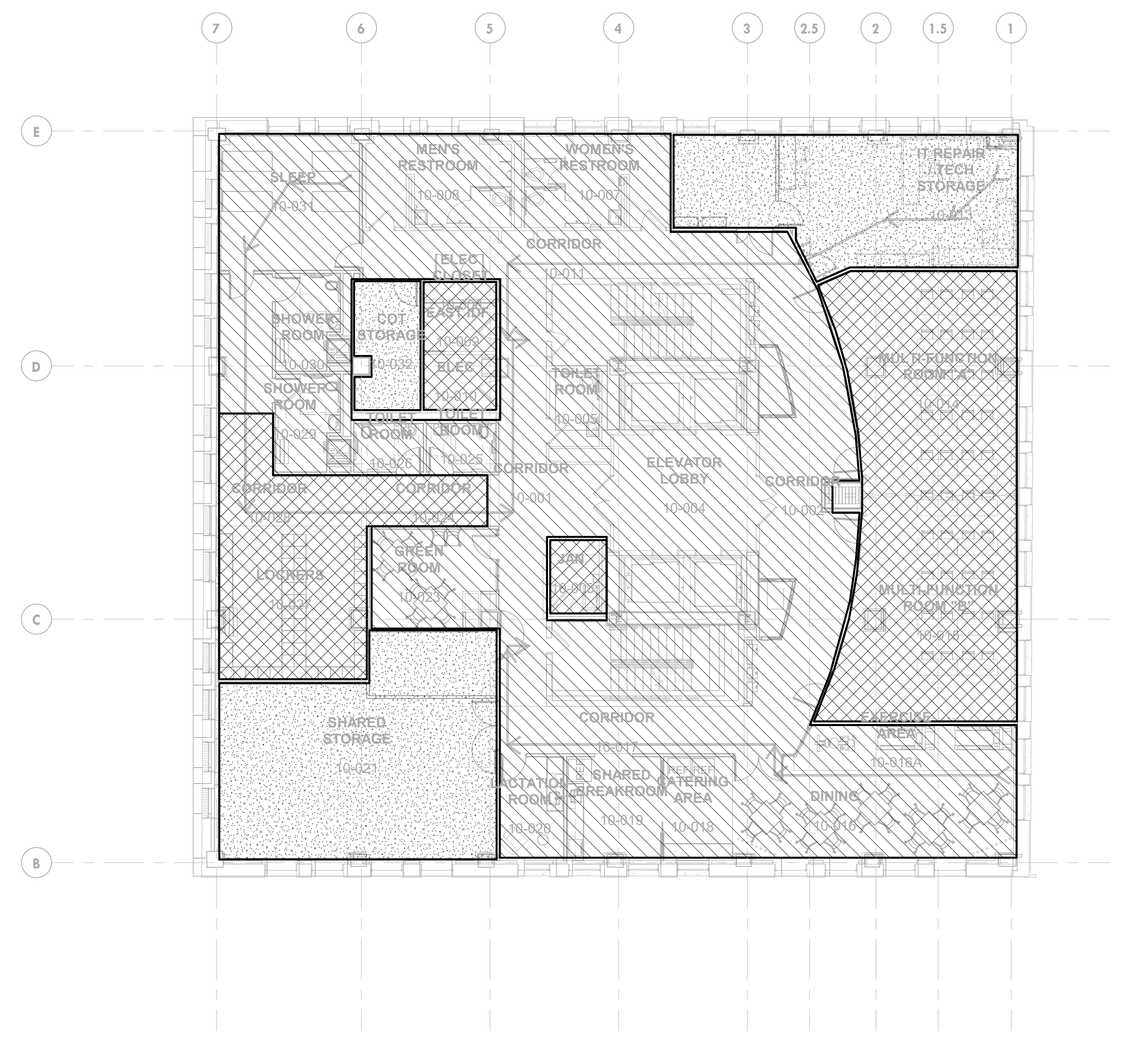
SHEET NO:  
**FP-003**



1 EIGHTH FLOOR - HAZARD CLASSIFICATIONS PLAN  
 NOT TO SCALE



2 NINTH FLOOR - HAZARD CLASSIFICATIONS PLAN  
 NOT TO SCALE



3 TENTH FLOOR - HAZARD CLASSIFICATIONS PLAN  
 NOT TO SCALE

**OCCUPANCY HAZARD CLASSIFICATION KEY**

- LIGHT HAZARD: 0.10 GPM/FT<sup>2</sup> OVER 1500 SQ. FT
- ORDINARY HAZARD GROUP 1: 0.15 GPM/FT<sup>2</sup> OVER 1500 SQ. FT
- ORDINARY HAZARD GROUP 2: 0.20 GPM/FT<sup>2</sup> OVER 1500 SQ. FT



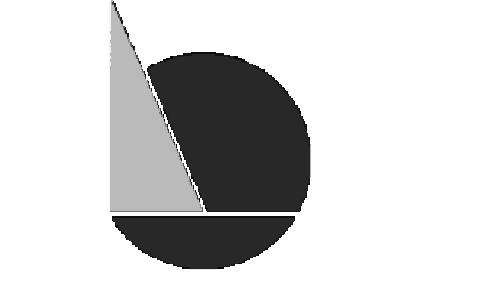
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DATE: 07/07/2020  
DRAWN BY: WAB  
CHECKED BY: SMF

DRAWING TITLE:  
**FIRE PROTECTION  
8TH FLOOR DEMO  
PLAN**

SHEET NO.:

**FPD-108**

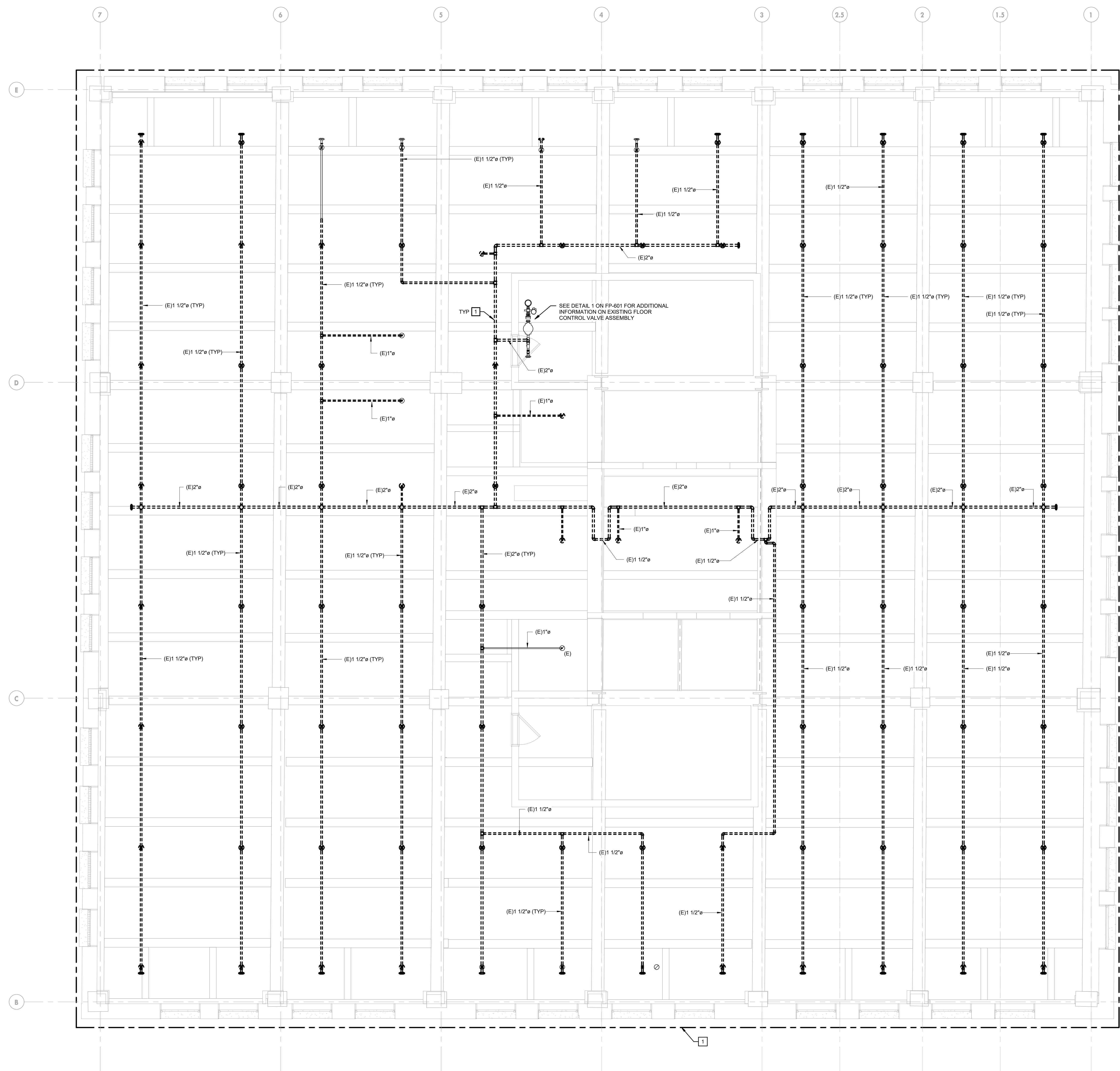
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**GENERAL NOTES:**

1. REFER TO FP-001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. EXISTING FITTINGS AND ARMOR/RISER NIPPLE PIPING SHALL BE REMOVED BACK TO THE NEAREST BRANCHLINE OR MAIN PIPE FITTING TO REMAIN.
3. ALL SPRINKLER HEADS WITHIN FINISHED CEILINGS ARE TO BE NEW WHITE CONCEALED PENDENT TYPE SPRINKLER HEADS, UNLESS OTHERWISE NOTED. ALL NEW SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF TILE AND COORDINATED WITH LIGHTS, DIFFUSERS AND ANY ARCHITECTURAL CEILING ELEMENTS.
4. FIRE SPRINKLER PIPING AND SPRINKLERS SHALL NOT BE ROUTED OR LOCATED OVER ELECTRICAL EQUIPMENT AND RACKS, TO PREVENT DAMAGE CAUSED BY POTENTIAL LEAKS.

**KEYED NOTES:**

- 1 DASHED PIPING AND FITTINGS SHALL BE DISCONNECTED FROM SYSTEM AND RAISED UP DURING CONSTRUCTION TO ACCOMMODATE NEW CEILING SYSTEMS. DASHED SPRINGS, DROPS, AND SPRINKLERS SHALL BE REMOVED.



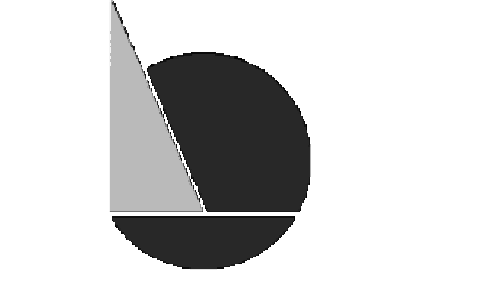
1 FIRE PROTECTION DEMOLITION PLAN - EIGHTH FLOOR  
1/4" = 1'-0"



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PROJECT NUMBER: 304103-120 OC  
 SCALE: As Indicated  
 DATE: 07/07/2020  
 DRAWN BY: WAB  
 CHECKED BY: SMF

DRAWING TITLE:  
**FIRE PROTECTION  
 9TH FLOOR DEMO  
 PLAN**

SHEET NO.:

**FPD-109**

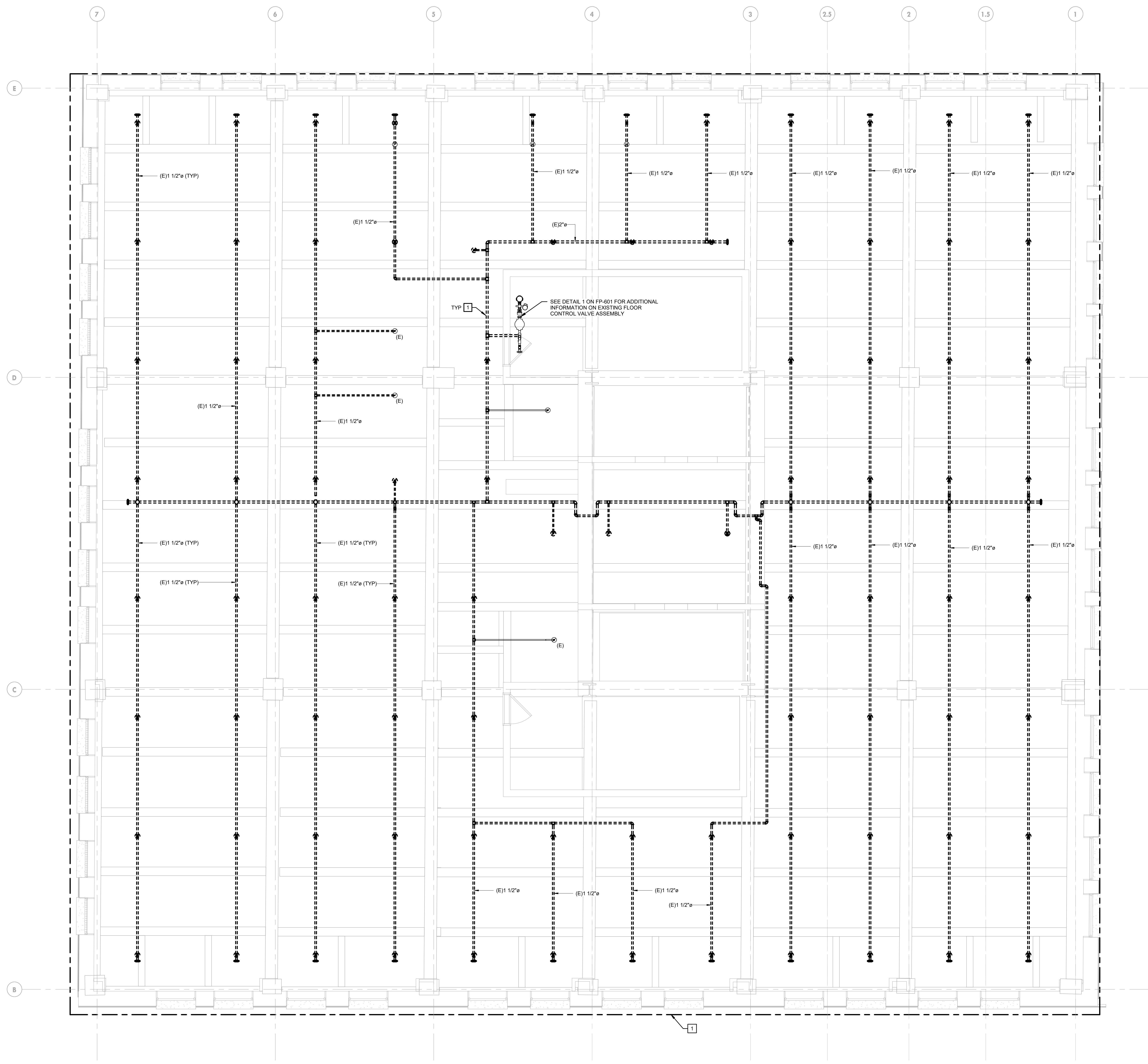
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**GENERAL NOTES:**

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1 FIRE PROTECTION DEMOLITION PLAN - NINTH FLOOR  
 1/4" = 1'-0"



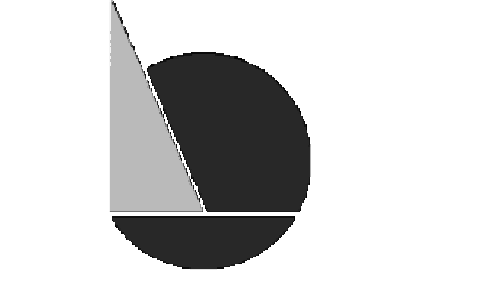
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FLOORS 8, 9 AND 10

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1 2020-09-18 ISSUED FOR BIDS

PROJECT NUMBER: 304103-120 OC  
SCALE: As Indicated  
DATE: 07/07/2020  
DRAWN BY: WAB  
CHECKED BY: SMF

DRAWING TITLE:  
FIRE PROTECTION  
10TH FLOOR DEMO  
PLAN

SHEET NO.:

FPD-110

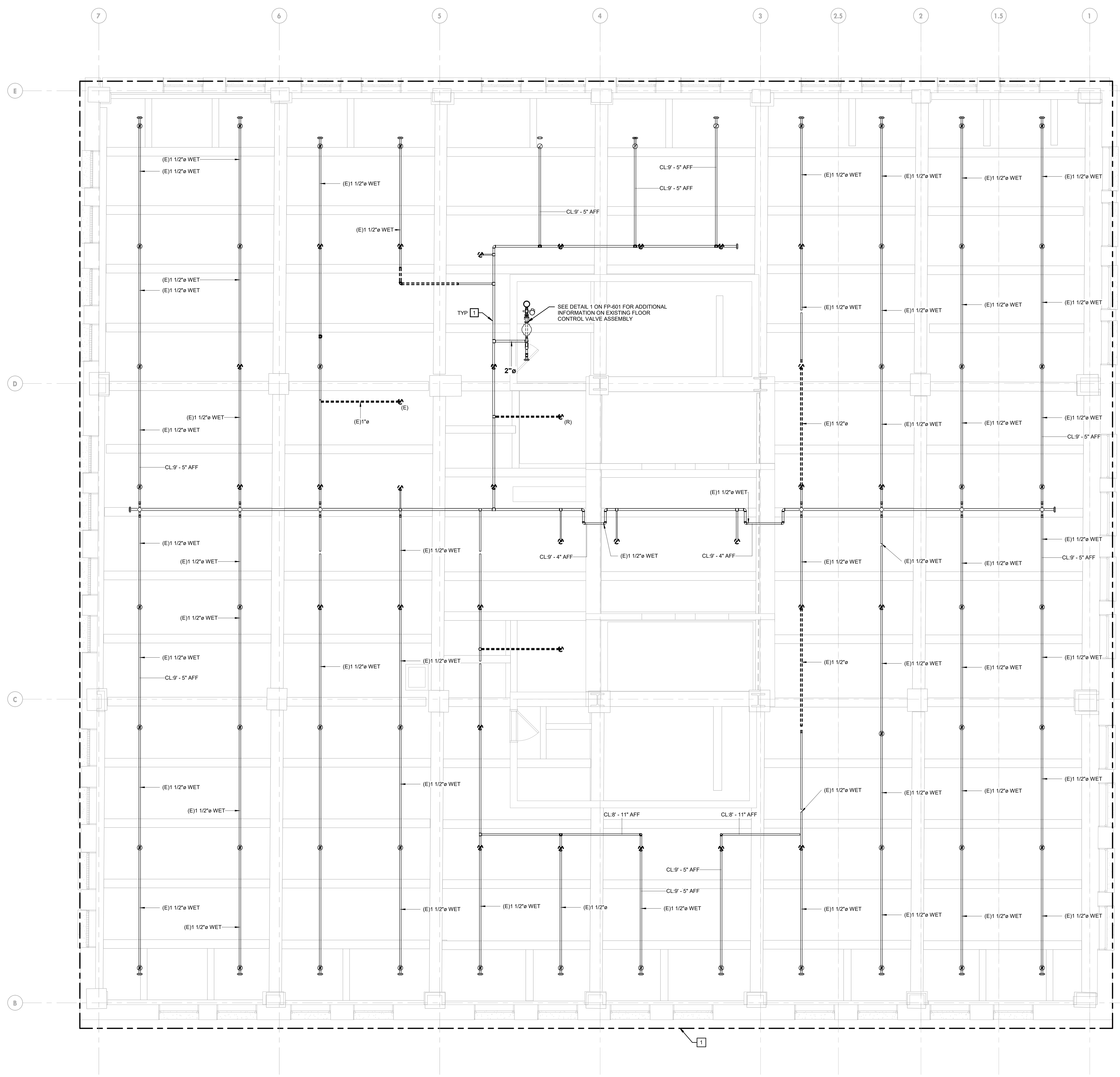
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**GENERAL NOTES:**

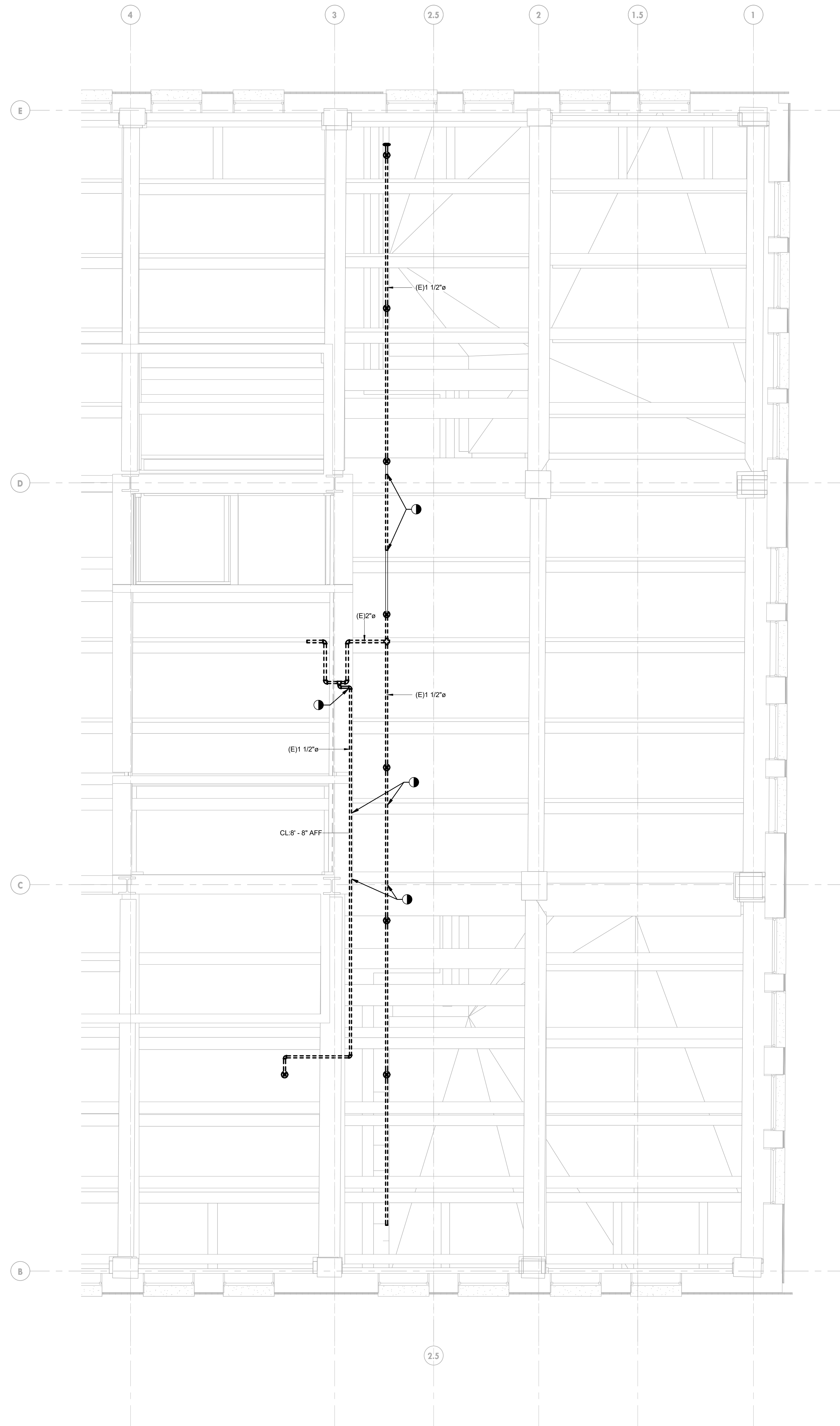
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1 FIRE PROTECTION DEMOLITION PLAN - TENTH FLOOR  
1/4" = 1'-0"



1 FIRE PROTECTION DEMOLITION PLAN - ELEVENTH FLOOR  
1/4" = 1'-0"

**GENERAL NOTES:**

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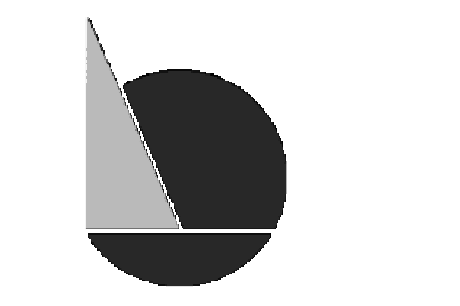
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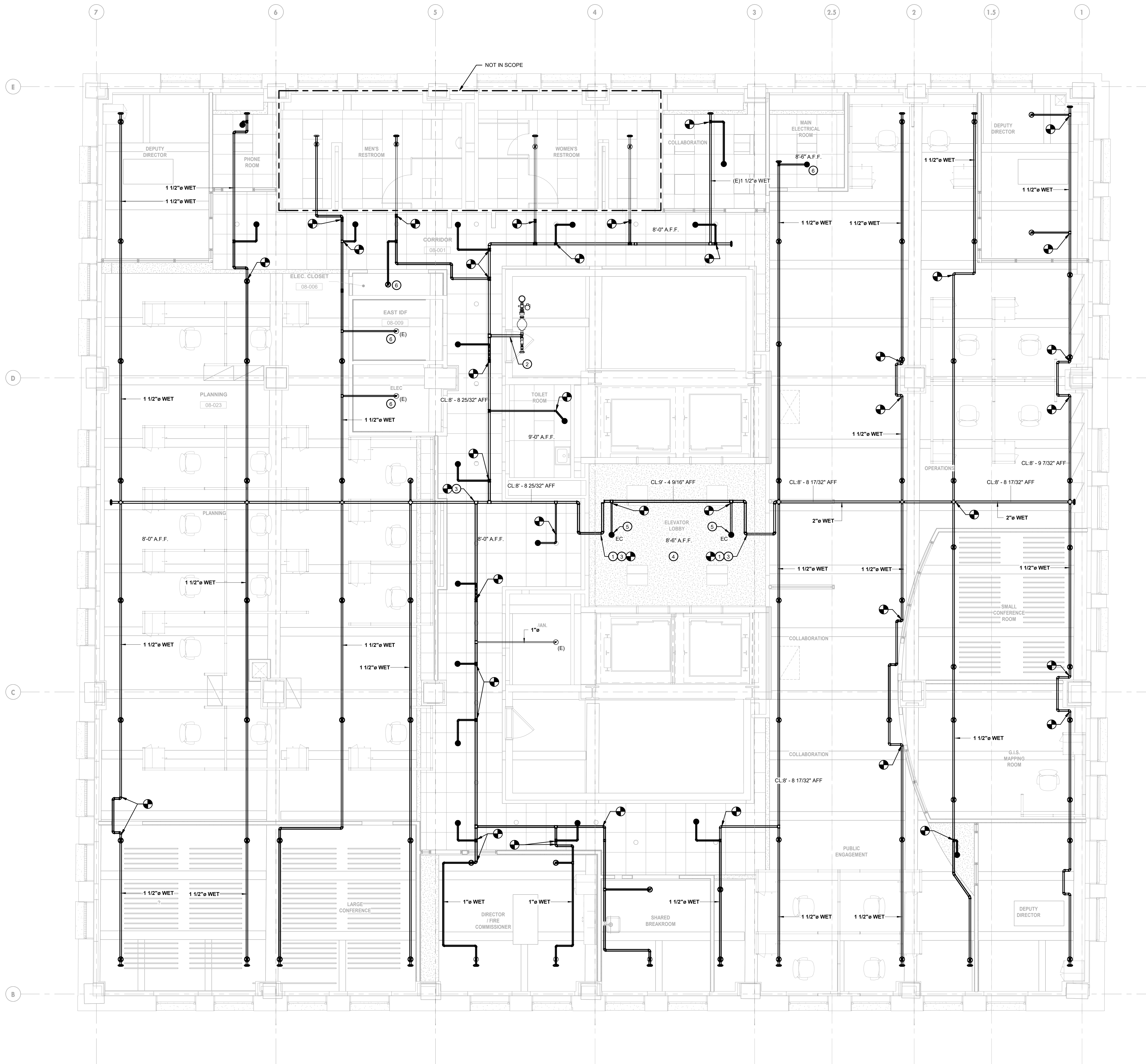
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PROJECT NUMBER: 304103-120 OC  
SCALE: As indicated  
DATE: 07/07/2020  
DRAWN BY: WAB  
CHECKED BY: SMF

DRAWING TITLE:  
**FIRE PROTECTION  
11TH FLOOR DEMO  
PLAN**

SHEET NO.:  
**FPD-111**



**GENERAL NOTES:**

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**KEYED NOTES:**

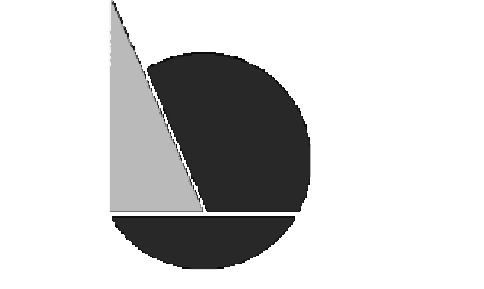
- ① SEAL PENETRATION IN SMOKE PARTITION.
- ② PROVIDE NEW PENETRATION THROUGH FIRE RATED PARTITION FOR RAISED SPRINKLER MAIN.
- ③ MODIFY 2" SPRINKLER MAIN, AND ASSOCIATED BRANCH LINES FROM THIS POINT TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT.
- ④ ELEVATOR LOBBY PIPING SHALL BE RISEN TO ACCOMMODATE NEW GYPSUM CEILING.
- ⑤ PROVIDE NEW EXTENDED COVERAGE CONCEALED PENDENT TYPE SPRINKLER HEAD.
- ⑥ PROVIDE SPRINKLER HEAD GUARD PROTECTION.



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 DRAWN BY: WAB  
 CHECKED BY: SMF

DRAWING TITLE:  
**FIRE PROTECTION  
 8TH FLOOR NEW  
 WORK PLAN**

SHEET NO.:  
**FP-108**

PRINTED ON: 2020-09-21 12:28:54

① FIRE PROTECTION NEW WORK PLAN - EIGHTH FLOOR  
 1/4" = 1'-0"

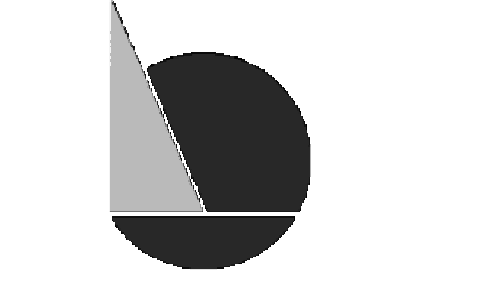




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 PHILADELPHIA PUBLIC SERVICES BUILDING  
 400 NORTH BROAD STREET, PHILADELPHIA, PA 19130  
 FLOORS 8, 9 AND 10**

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- CLIENT REVIEW
- BID SET
- CODE REVIEW SET
- ISSUED FOR CONSTRUCTION

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**9/18/20**  
 (NOT FOR CONSTRUCTION)

ISSUES/REVISIONS:  
 1 2020-09-18 ISSUED FOR BIDS

PROJECT NUMBER: 304103-120 OC  
 SCALE: As Indicated  
 DATE: 07/07/2020  
 DRAWN BY: WAB  
 CHECKED BY: SMF

DRAWING TITLE:  
**FIRE PROTECTION  
 9TH FLOOR NEW  
 WORK PLAN**

SHEET NO.:

**FP-109**

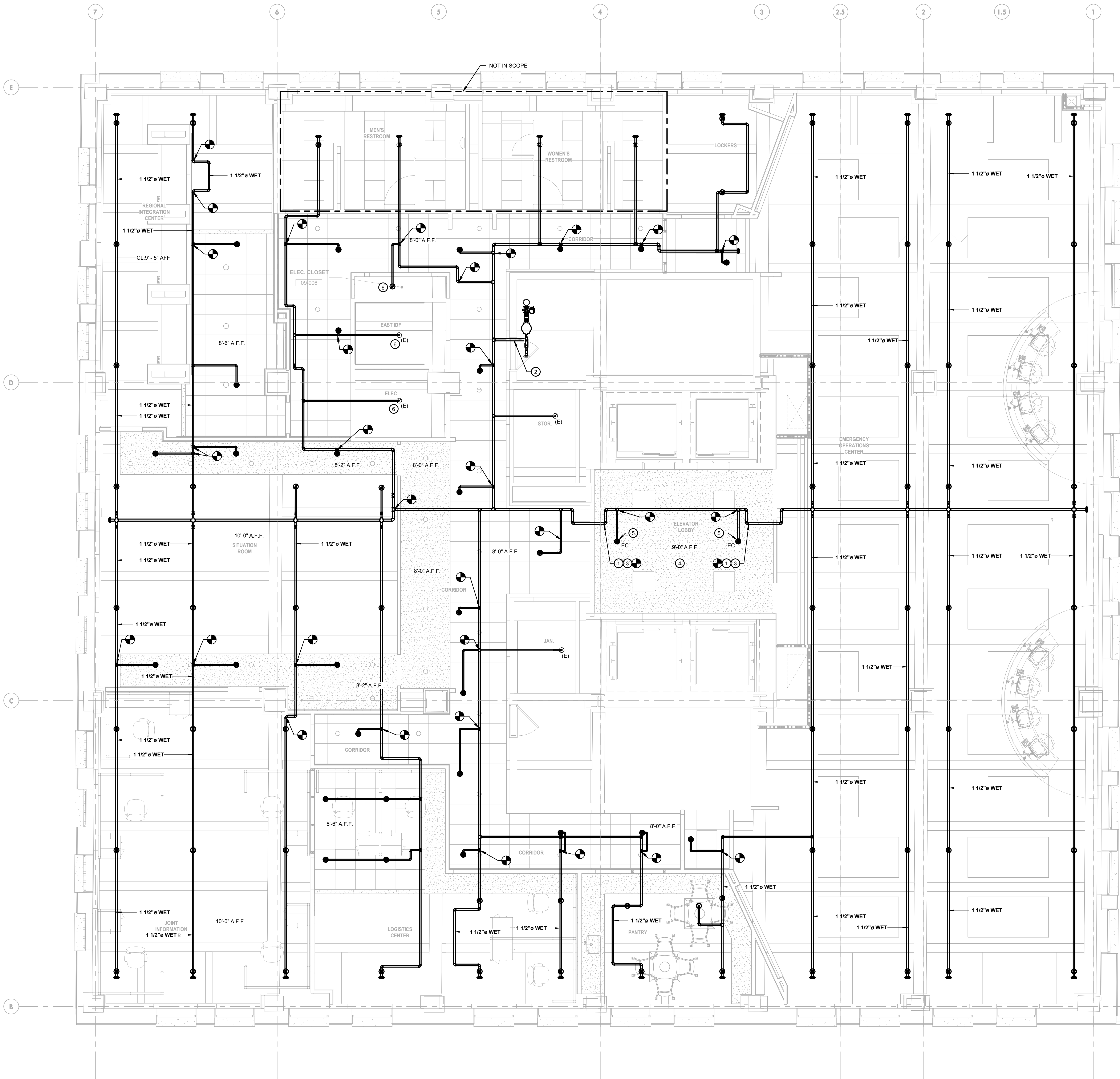
PRINTED ON: 2020-09-21 12:29:13

**GENERAL NOTES:**

1. REFER TO FP-001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. EXISTING FITTINGS AND ARM/VERISER NIPPLE PIPING SHALL BE REMOVED BACK TO THE NEAREST BRANCHLINE OR MAIN PIPE FITTING TO REMAIN.
3. ALL SPRINKLER HEADS WITHIN FINISHED CEILINGS ARE TO BE NEW WHITE CONCEALED PENDENT TYPE SPRINKLER HEADS, UNLESS OTHERWISE NOTED. ALL NEW SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF TILE AND COORDINATED WITH LIGHTS, DIFFUSERS AND ANY ARCHITECTURAL CEILING ELEMENTS.
4. FIRE SPRINKLER PIPING AND SPRINKLERS SHALL NOT BE ROUTED OR LOCATED OVER ELECTRICAL EQUIPMENT AND RACKS, TO PREVENT DAMAGE CAUSED BY POTENTIAL LEAKS.

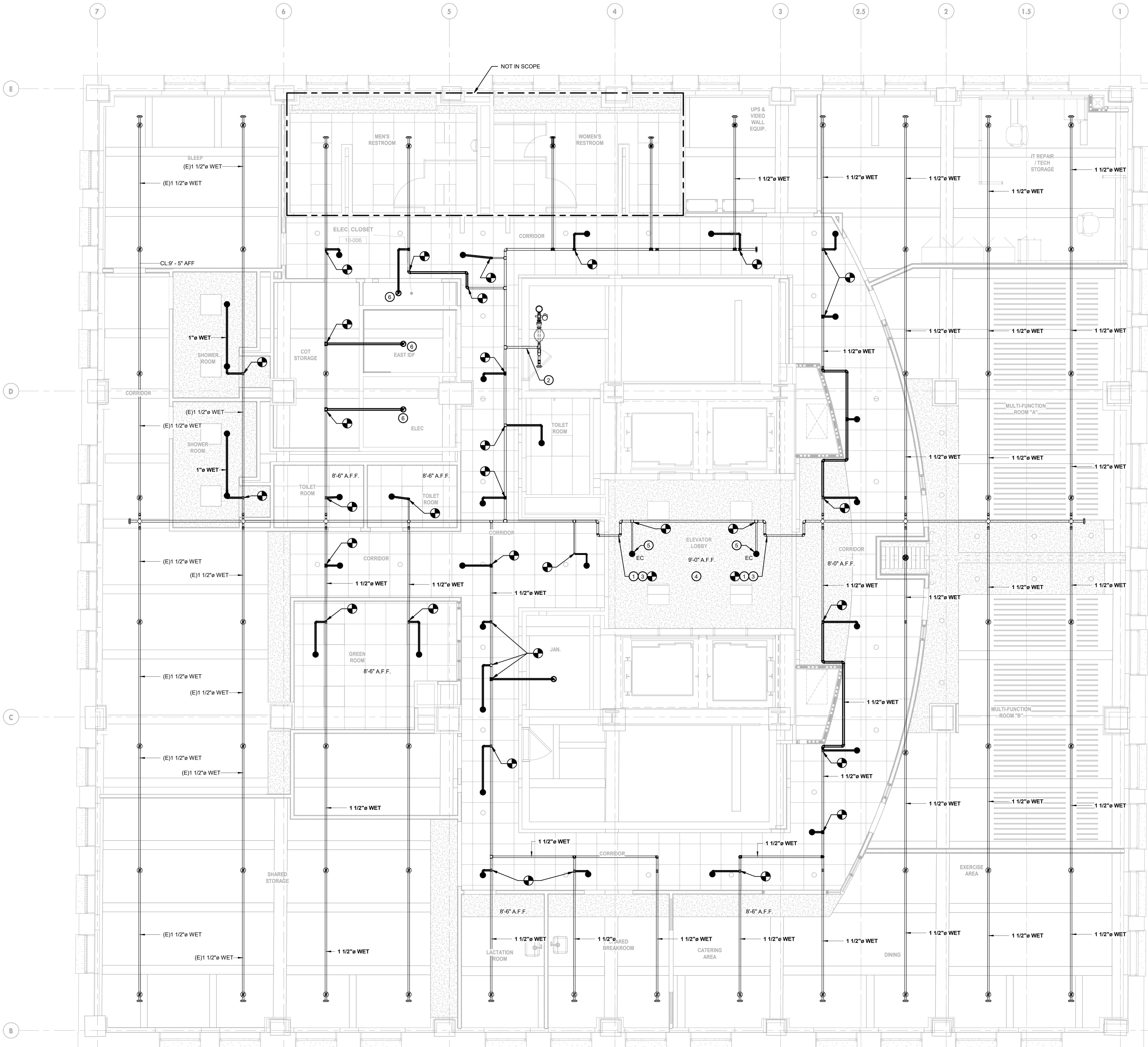
**KEYED NOTES:**

- ① SEAL PENETRATION IN SMOKE PARTITION.
- ② PROVIDE NEW PENETRATION THROUGH FIRE RATED PARTITION FOR RAISED SPRINKLER MAIN.
- ③ MODIFY 2" SPRINKLER MAIN, AND ASSOCIATED BRANCH LINES FROM THIS POINT TO ACCOMMODATE NEW ARCHITECTURE LAYOUT.
- ④ ELEVATOR LOBBY PIPING SHALL BE RISEN TO ACCOMMODATE NEW GYPSUM CEILING.
- ⑤ PROVIDE NEW EXTENDED COVERAGE CONCEALED PENDENT TYPE SPRINKLER HEAD.
- ⑥ PROVIDE SPRINKLER HEAD GUARD PROTECTION.



① FIRE PROTECTION NEW WORK PLAN - NINTH FLOOR  
 1/4" = 1'-0"

BIM 360/PPSS - Office of Emergency Management/122320\_001\_PPSS\_OEM\_FF.rvt



**GENERAL NOTES:**

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**KEYED NOTES:**

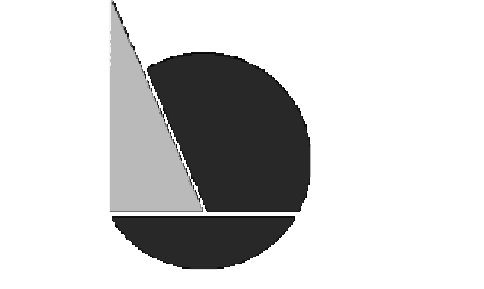
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ISSUES/REVISIONS:  
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PROJECT NUMBER: 304103-120 OC  
 SCALE: As Indicated  
 DATE: 07/07/2020  
 DRAWN BY: WAB  
 CHECKED BY: SMF

DRAWING TITLE:  
**FIRE PROTECTION  
 10TH FLOOR NEW  
 WORK PLAN**

SHEET NO.:  
**FP-110**

PRINTED ON: 2020-09-21 12:29:31

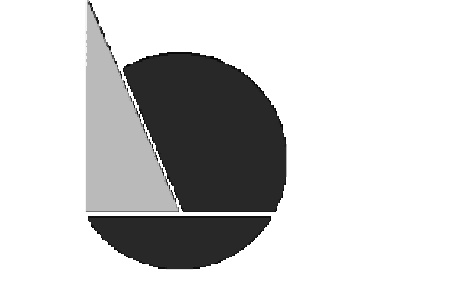
① FIRE PROTECTION NEW WORK PLAN - TENTH FLOOR  
 1/4" = 1'-0"



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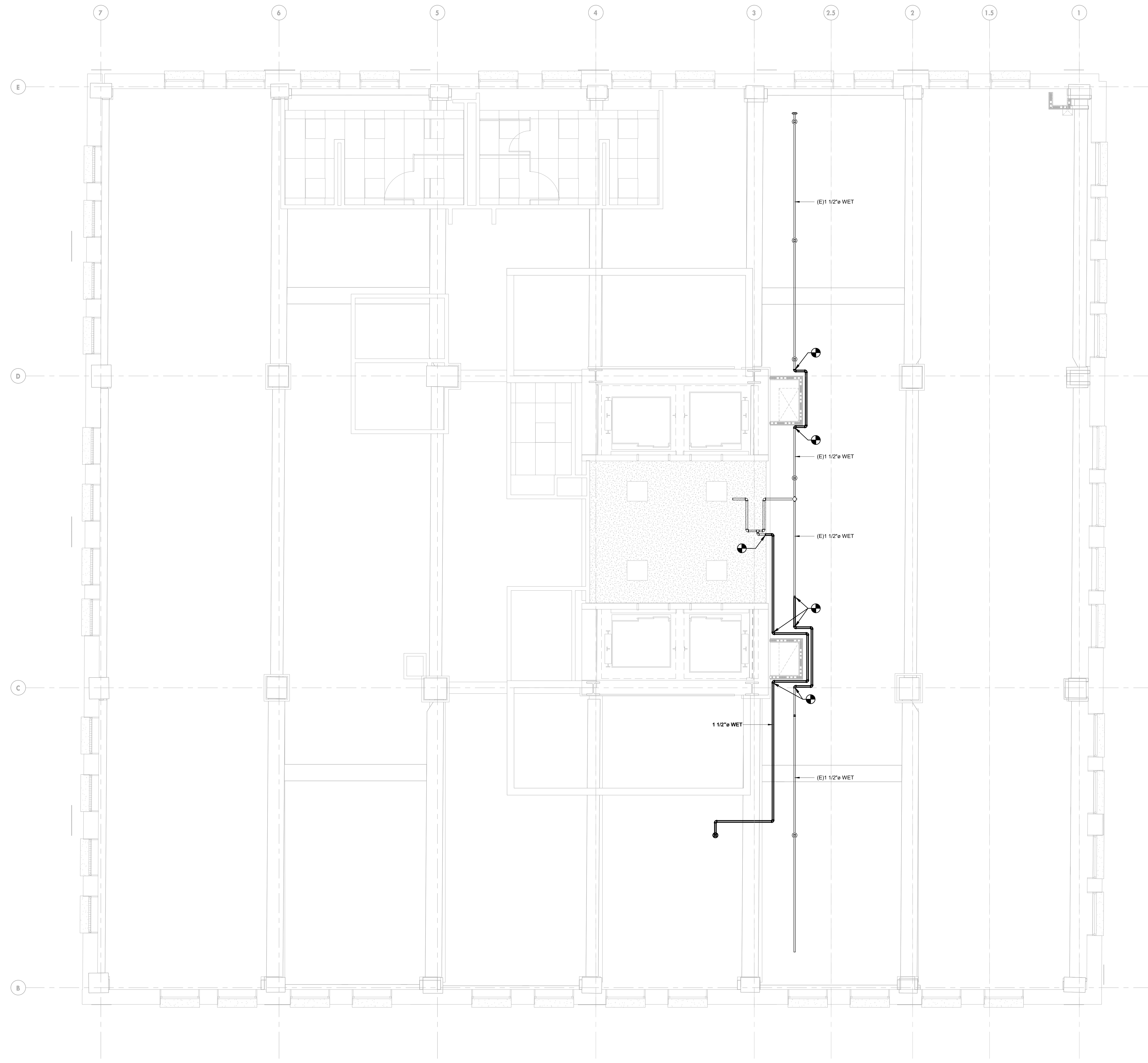
DRAWING TITLE:  
**FIRE PROTECTION  
 11TH FLOOR NEW  
 WORK PLAN**

SHEET NO:  
**FP-111**

PRINTED ON: 2020-09-21 12:29:43

**GENERAL NOTES:**

1. REFER TO FP-001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. EXISTING FITTINGS AND ARM-OVER/RISER NIPPLE PIPING SHALL BE REMOVED BACK TO THE NEAREST BRANCHLINE OR MAIN PIPE FITTING TO REMAIN.
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1 FIRE PROTECTION NEW WORK PLAN - ELEVENTH FLOOR  
 1/4" = 1'-0"

BIM 360://PPSB - Office of Emergency Management/122320\_001\_PPSS-OEM\_FF.rvt



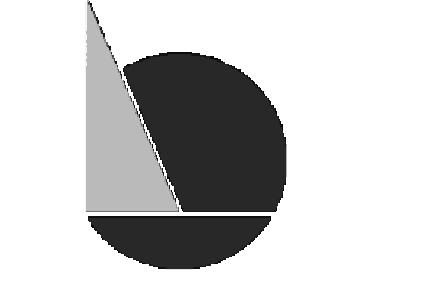
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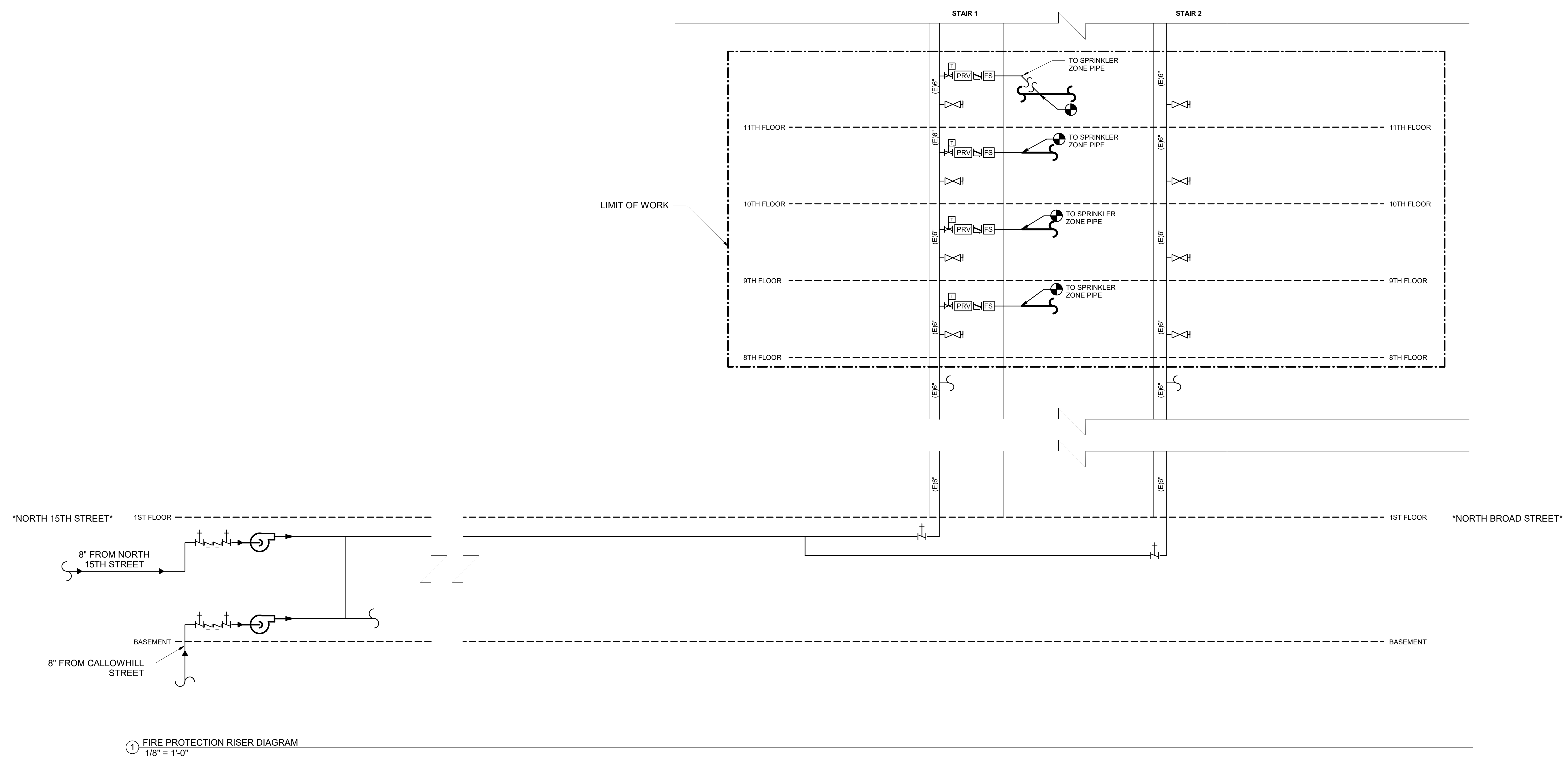
ISSUES/REVISIONS:  
1 2020-09-18 ISSUED FOR BIDS

PROJECT NUMBER: 304103-120 OC  
SCALE: 1/8" = 1'-0"  
DATE: 07/07/2020  
DRAWN BY: WAB  
CHECKED BY: SMF

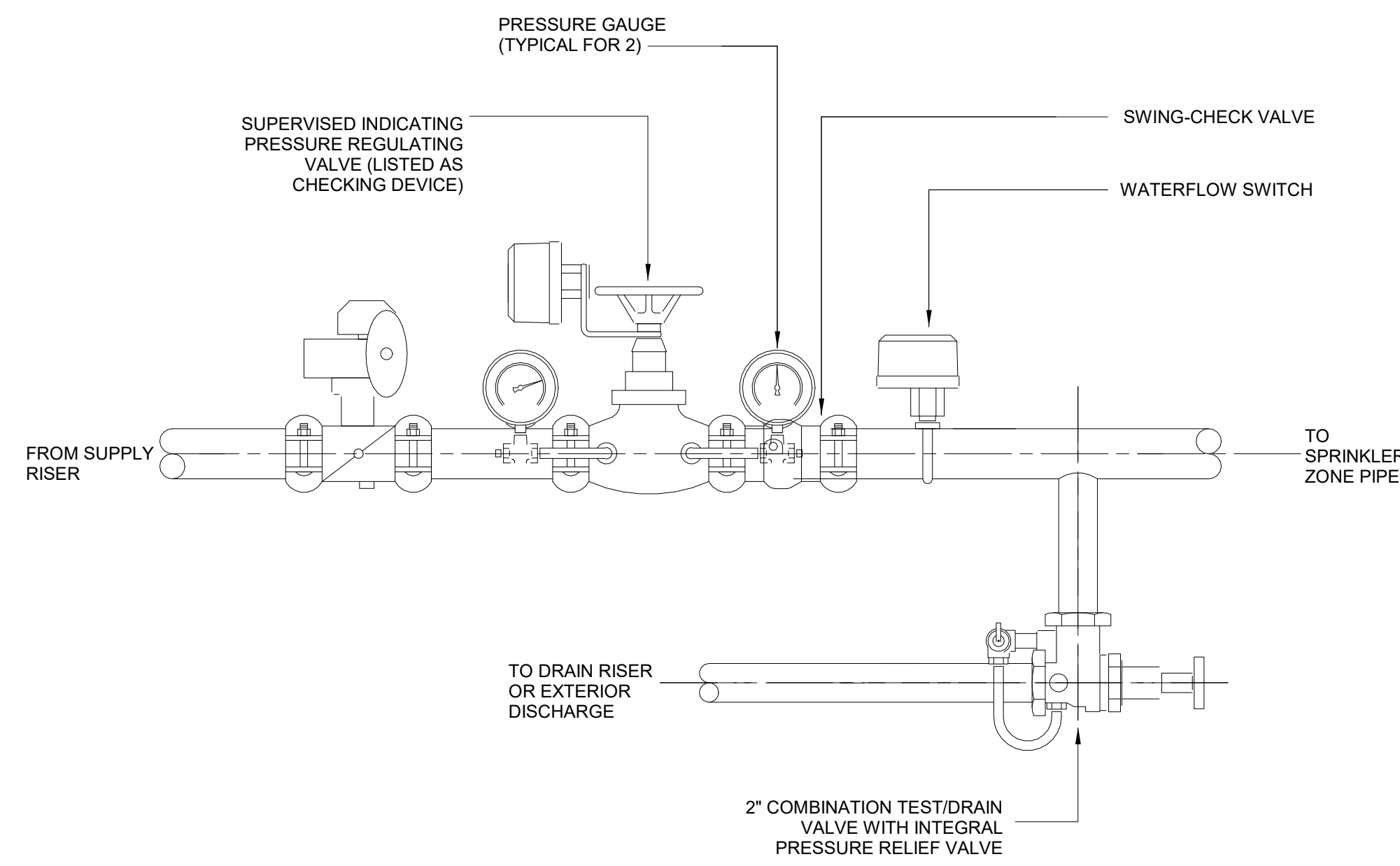
DRAWING TITLE:  
FIRE PROTECTION  
RISER DIAGRAM

SHEET NO:  
FP-501

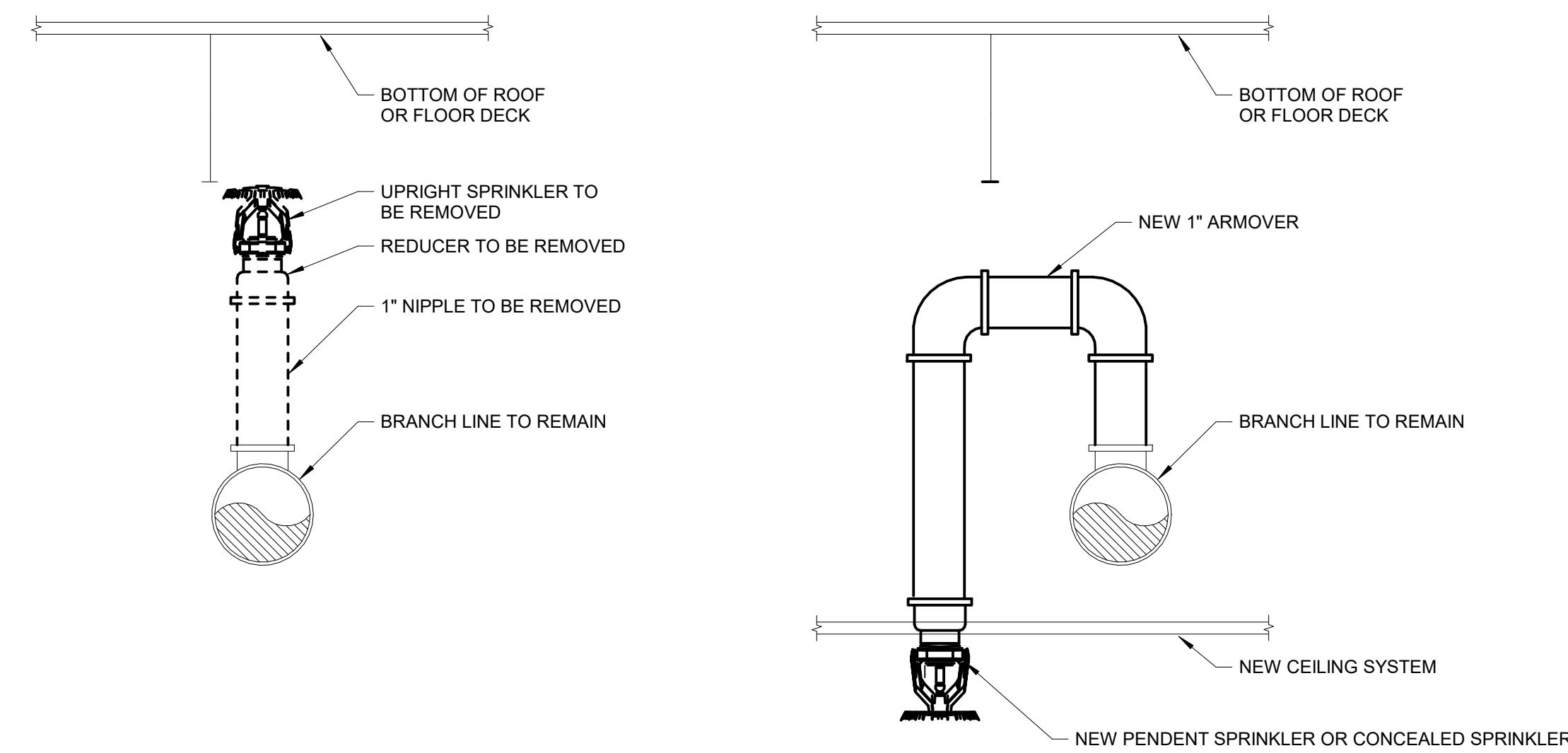
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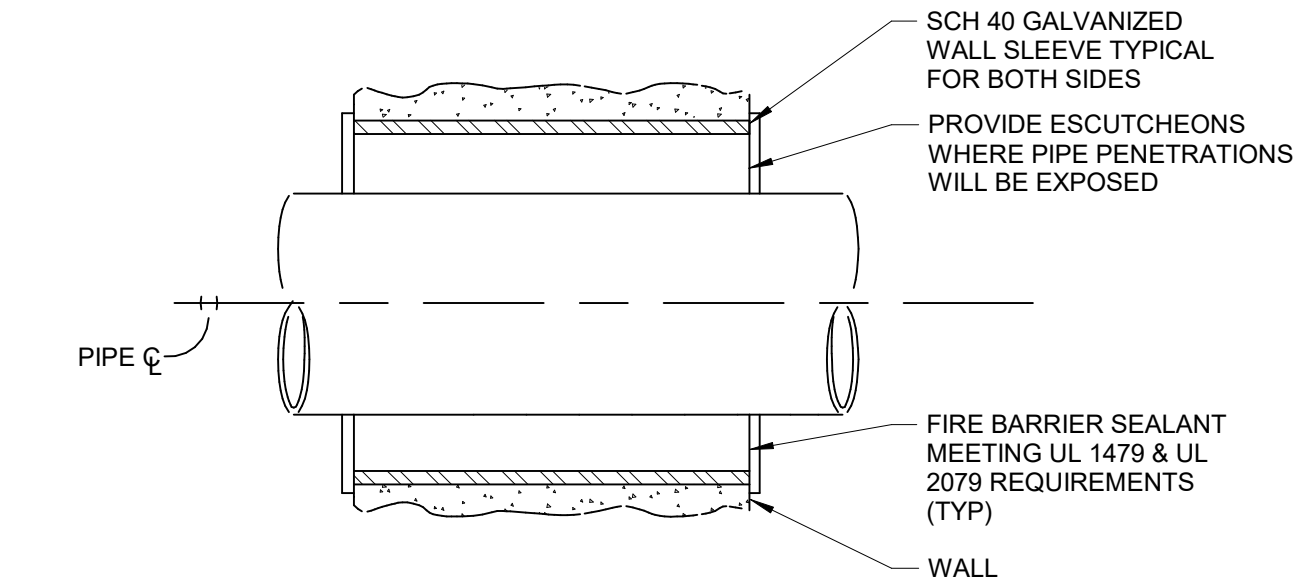
1 FIRE PROTECTION RISER DIAGRAM  
1/8" = 1'-0"



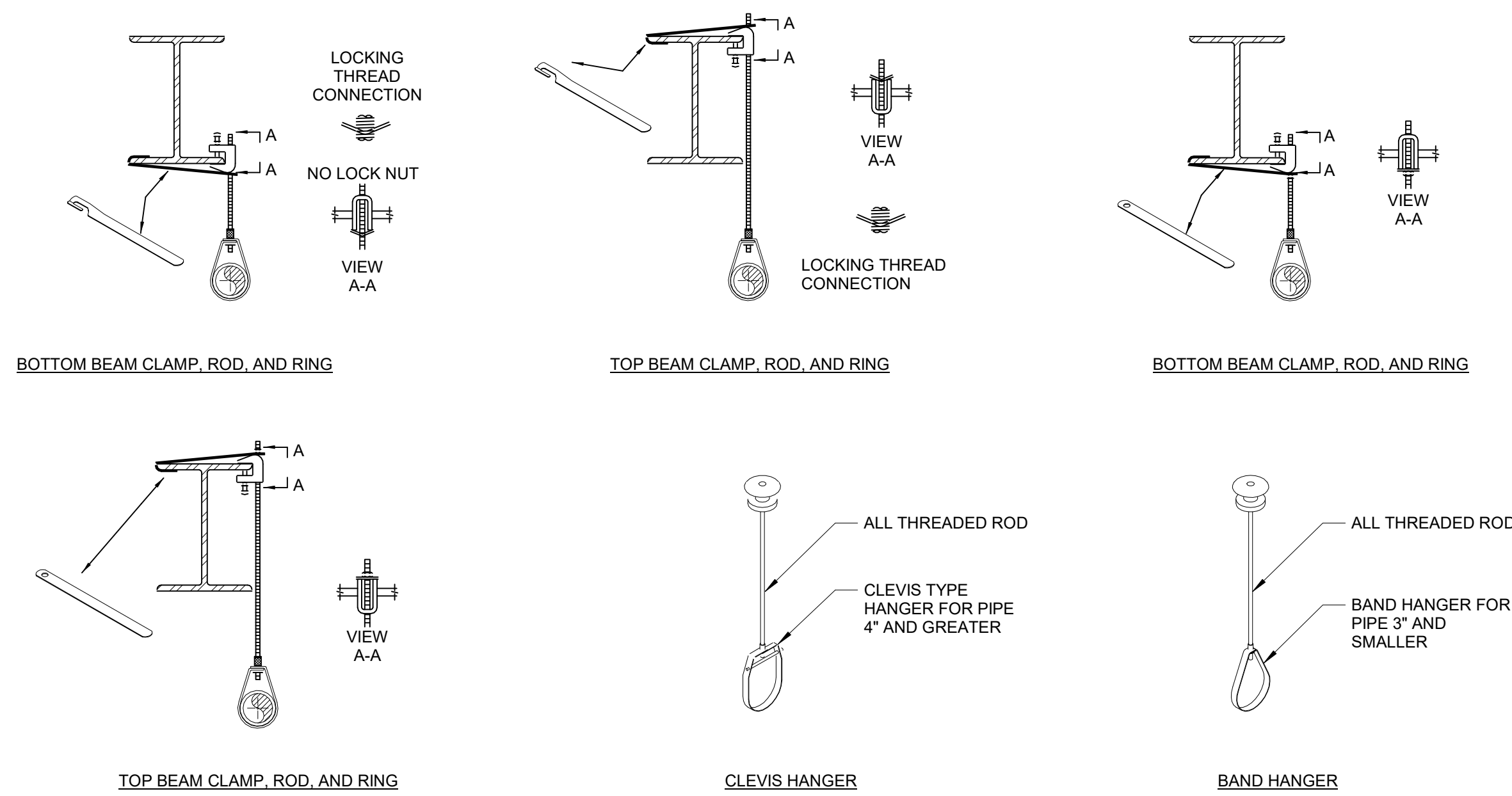
1 EXISTING FLOOR CONTROL VALVE ASSEMBLY  
NOT TO SCALE



2 FIRE PROTECTION RENOVATION WORK  
NOT TO SCALE



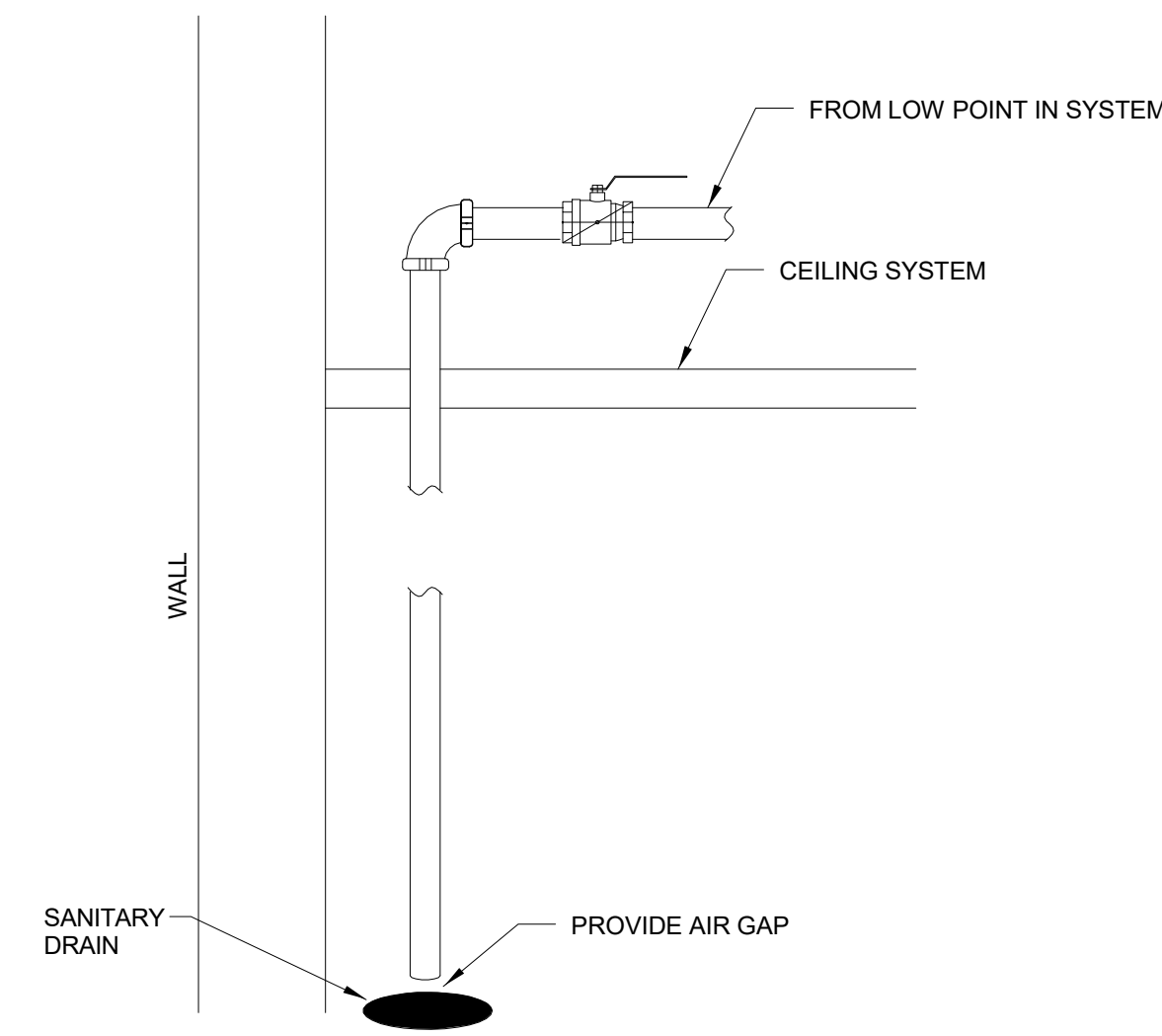
3 TYPICAL FIRE RATED PARTITION PENETRATION SLEEVE DETAIL  
NOT TO SCALE



NOTES:

- INSTALLATION SHALL COMPLY WITH UL LISTED MANUFACTURERS INSTRUCTIONS.

4 TYPICAL FIRE PROTECTION HANGER DETAILS  
NOT TO SCALE



5 TYPICAL LOW POINT DRAIN DETAIL  
NOT TO SCALE



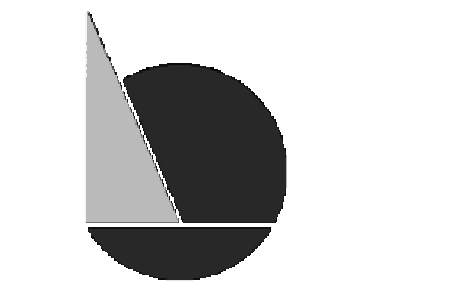
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DATE: 07/07/2020  
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DRAWING TITLE:  
FIRE PROTECTION  
DETAILS




SHEET NO.:

FP-601

PRINTED ON: 2020-09-21 12:29:45

PIPE HANGER SCHEDULE										
NOMINAL PIPES SIZE (in.)	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	6"	
MAXIMUM DISTANCE BETWEEN HANGERS FOR STEEL PIPE EXCEPT THREADED LIGHTWALL	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	

PIPE PENETRATION SCHEDULE				
NOMINAL PIPE SIZE	PIPE SCHEDULE	OUTSIDE DIAMETER OF PIPE (IN)	MINIMUM CLEARANCE AROUND PIPE (IN)	MINIMUM DIAMETER OF PIPE PENETRATION (IN) (NOMINAL DIAMETER)(IN)
1"	40	1.315	1	3.315 (4)
1 1/4"	40	1.660	1	3.66 (4)
1 1/2"	40	1.900	1	3.9 (4)
2"	40	2.375	1	4.375 (6)
2 1/2"	40	2.875	1	4.875 (6)
3"	40	3.5	1	5.5 (6)
4"	40	4.5	2	8.5 (10)
6"	40	6.625	2	10.625 (11)

SPRINKLER APPLICATION SCHEDULE									
SYMBOL	SPRINKLER TYPE	COVERAGE TYPE	RESPONSE TYPE	K-FACTOR	ORIFICE SIZE (IN)	TEMPERATURE RATING (°F)	SPRINKLER FINISH	ESCUTCHEON TYPE	ESCUTCHEON FINISH
	UPRIGHT SPRINKLER	STANDARD	QUICK	5.6	1/2"	155	BRASS	N/A	N/A
 EC	CONCEALED PENDENT SPRINKLER	EXTENDED	QUICK	5.6	1/2"	155	BRASS	FLAT PLATE CONCEALED COVER	WHITE
	CONCEALED PENDENT SPRINKLER	STANDARD	QUICK	5.6	1/2"	155	WHITE FINISH	FLAT PLATE CONCEALED COVER	WHITE

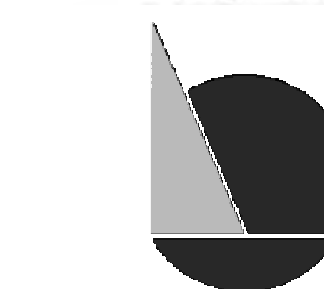


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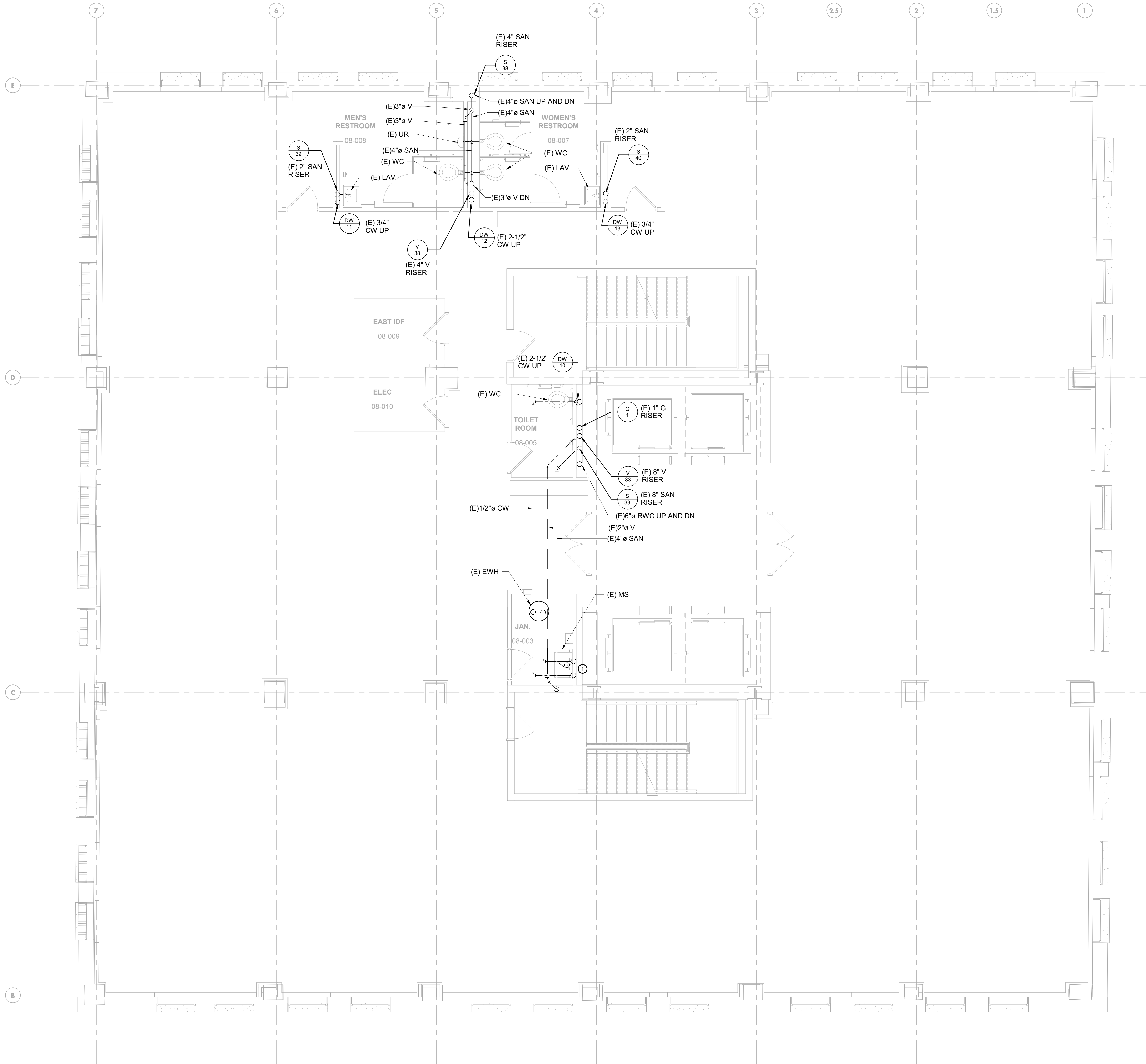
PROJECT NUMBER: 304103-120 OC  
SCALE: 12" = 1'-0"  
DATE: 07/07/2020  
DRAWN BY: WAB  
CHECKED BY: SMF

DRAWING TITLE:  
FIRE PROTECTION  
SCHEDULES

SHEET NO.:  
FP-701

PRINTED ON: 2020-09-21 12:29:45





**GENERAL NOTES:**

1. REFER TO DRAWING P-001 FOR PLUMBING SYMBOLS, ABBREVIATIONS, GENERAL NOTES, PLUMBING DEMOLITION NOTES AND PLUMBING NOTES.
2. REFER TO DRAWINGS PD-108, PD-109 AND PD-110 FOR PLUMBING DEMOLITION WORK.
3. REFER TO DRAWINGS P-108, P-109 AND P-110 FOR PLUMBING NEW WORK.
4. REFER TO DRAWING P-501 FOR SANITARY AND VENT RISER DIAGRAM.
5. REFER TO DRAWING P-502 FOR DOMESTIC WATER AND NATURAL GAS RISER DIAGRAM.
6. REFER TO DRAWING P-601 FOR PLUMBING DETAILS.
7. REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.
8. PIPE SHOWN IN PLAN IS LOCATED FROM THE FLOOR TO DECK ABOVE. DOMESTIC WATER AND VENT ARE FOR FIXTURES ON THE INDICATED LEVEL. SANITARY PIPE SERVES FIXTURES FROM LEVEL ABOVE.
9. PIPE LOCATION SHOWN IN PLAN IS DIAGRAMATIC. COORDINATE PIPE IN CORRIDOR WITH MECHANICAL DUCTWORK, FIRE PROTECTION PIPE AND ELECTRICAL COMPONENTS.

**KEYED NOTES:**

- ① SANITARY PIPE FOR LEVEL 8 IS IN CEILING OF LEVEL 7 AND NOT SHOWN ON PLAN. REFER TO RISER DIAGRAM FOR EXISTING PIPE INFORMATION.



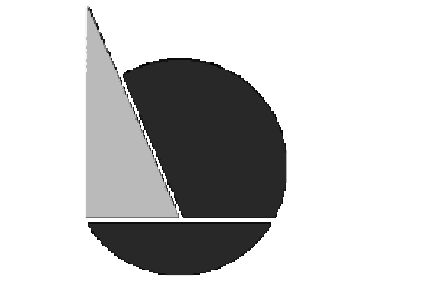
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PROJECT NUMBER: 304103-120 OC  
 SCALE: As indicated  
 DATE: 07/07/2020  
 DRAWN BY: DG  
 CHECKED BY: DJM

DRAWING TITLE:  
**PLUMBING 8TH  
 FLOOR  
 DEMOLITION PLAN**

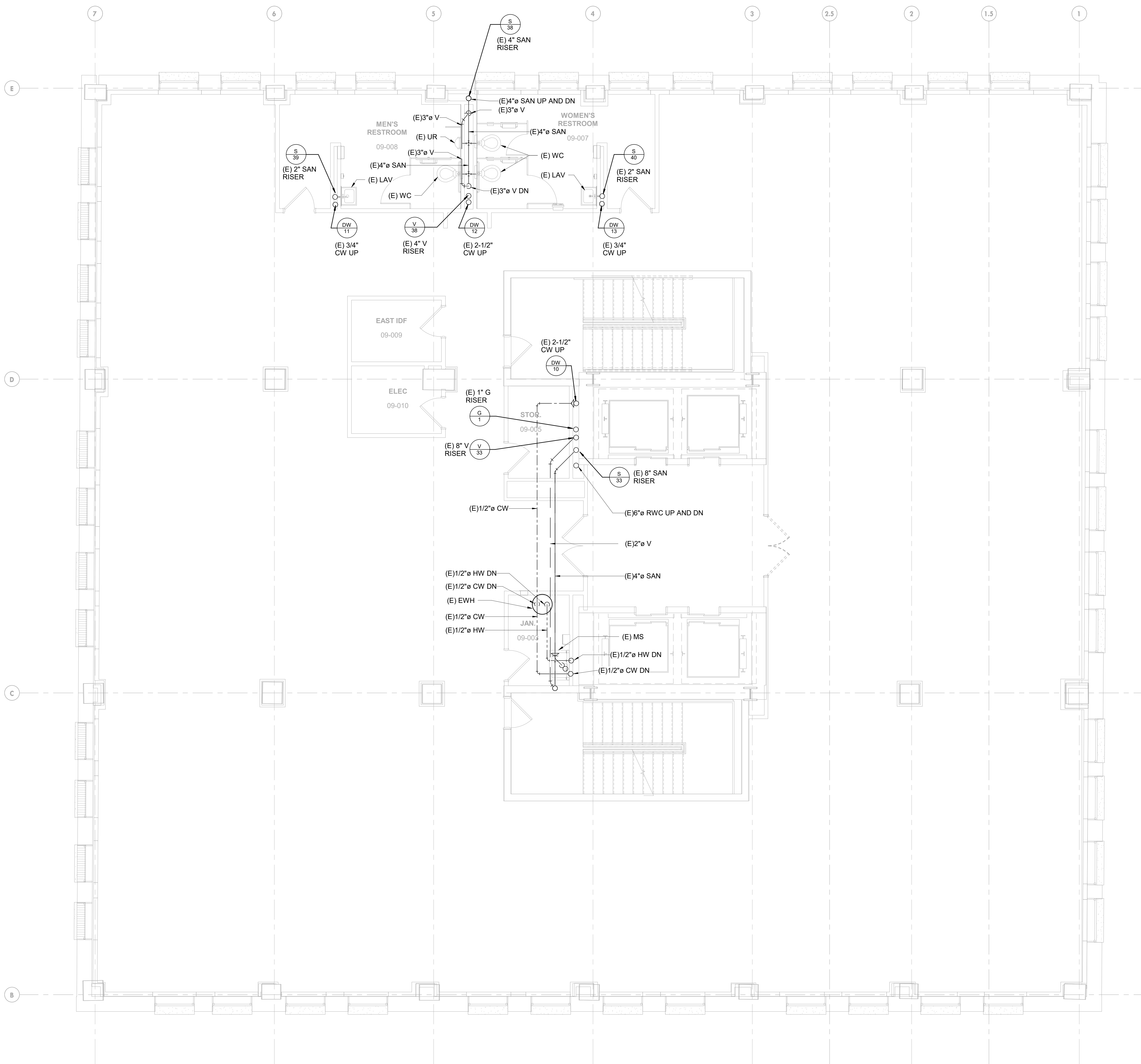
SHEET NO.:

**PD-108**

PRINTED ON: 2020-09-21 12:25:47

1 PLUMBING DEMOLITION PLAN - EIGHTH FLOOR  
 1/4" = 1'-0"





**GENERAL NOTES:**

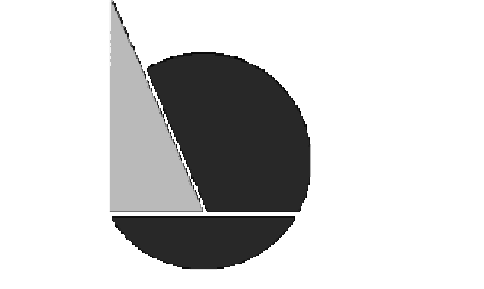
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- REFER TO DRAWINGS PD-108, PD-109 AND PD-110 FOR PLUMBING DEMOLITION WORK.
- REFER TO DRAWINGS P-108, P-109 AND P-110 FOR PLUMBING NEW WORK.
- REFER TO DRAWING P-501 FOR SANITARY AND VENT RISER DIAGRAM.
- REFER TO DRAWING P-502 FOR DOMESTIC WATER AND NATURAL GAS RISER DIAGRAM.
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- REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.
- PIPE SHOWN IN PLAN IS LOCATED FROM THE FLOOR TO DECK ABOVE. DOMESTIC WATER AND VENT ARE FOR FIXTURES ON THE INDICATED LEVEL. SANITARY PIPE SERVES FIXTURES FROM LEVEL ABOVE.
- PIPE LOCATION SHOWN IN PLAN IS DIAGRAMATIC. COORDINATE PIPE IN CORRIDOR WITH MECHANICAL DUCTWORK, FIRE PROTECTION PIPE AND ELECTRICAL COMPONENTS.



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 PHILADELPHIA PUBLIC SERVICES BUILDING  
 400 NORTH BROAD STREET, PHILADELPHIA, PA 19130  
 FLOORS 8, 9 AND 10**

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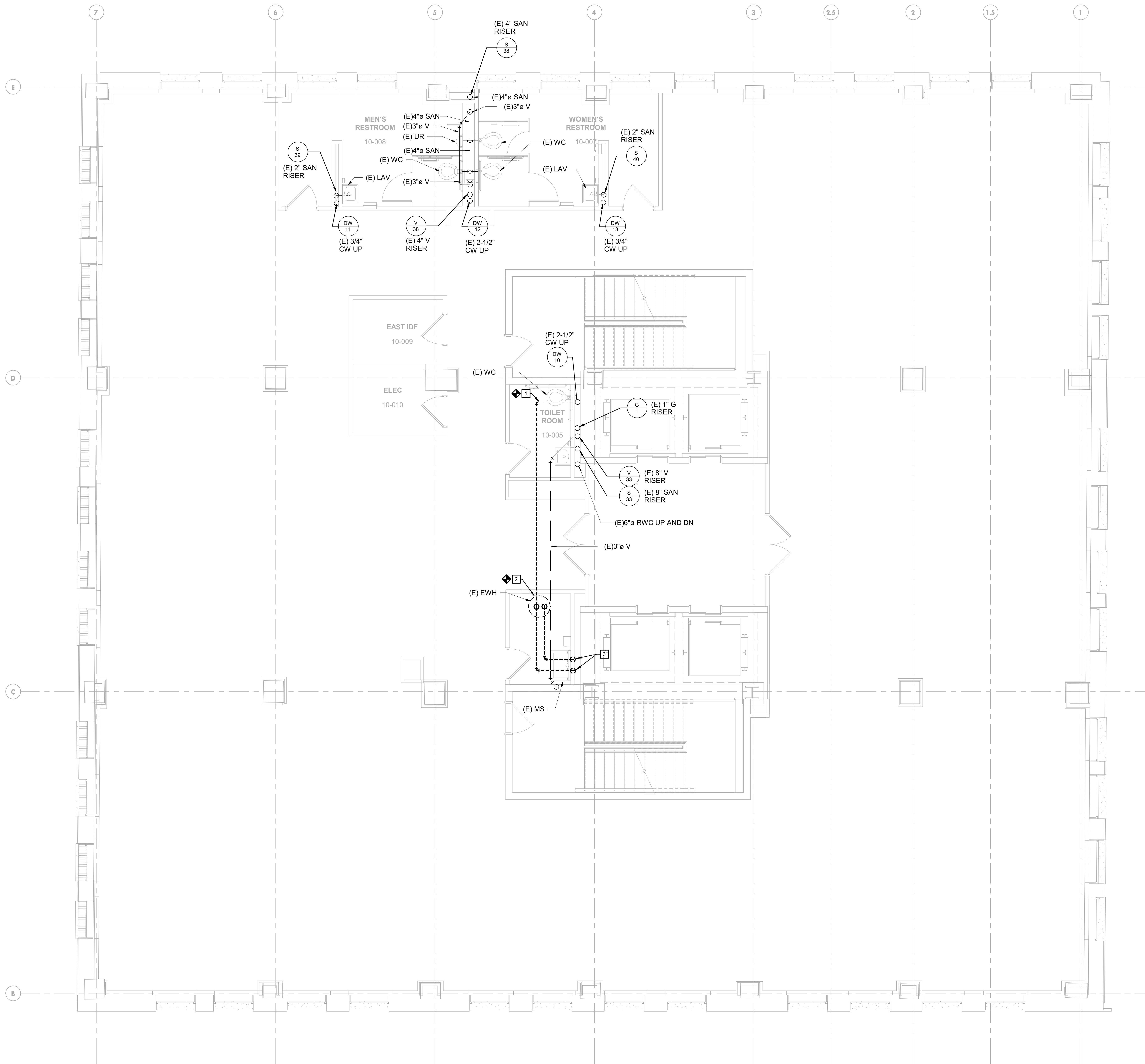
PROJECT NUMBER: 304103-120 OC  
 SCALE: As indicated  
 DATE: 07/07/2020  
 DRAWN BY: DG  
 CHECKED BY: DJM

DRAWING TITLE:  
**PLUMBING 9TH FLOOR DEMOLITION PLAN**

SHEET NO.:  
**PD-109**

PRINTED ON: 2020-09-21 12:25:58

**1 PLUMBING DEMOLITION PLAN - NINTH FLOOR**  
 1/4" = 1'-0"



**GENERAL NOTES:**

- REFER TO DRAWING P-001 FOR PLUMBING SYMBOLS, ABBREVIATIONS, GENERAL NOTES, PLUMBING DEMOLITION NOTES AND PLUMBING NOTES.
- REFER TO DRAWINGS PD-108, PD-109 AND PD-110 FOR PLUMBING DEMOLITION WORK.
- REFER TO DRAWINGS P-108, P-109 AND P-110 FOR PLUMBING NEW WORK.
- REFER TO DRAWING P-501 FOR SANITARY AND VENT RISER DIAGRAM.
- REFER TO DRAWING P-502 FOR DOMESTIC WATER AND NATURAL GAS RISER DIAGRAM.
- REFER TO DRAWING P-601 FOR PLUMBING DETAILS.
- REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.
- PIPE SHOWN IN PLAN IS LOCATED FROM THE FLOOR TO DECK ABOVE. DOMESTIC WATER AND VENT ARE FOR FIXTURES ON THE INDICATED LEVEL. SANITARY PIPE SERVES FIXTURES FROM LEVEL ABOVE.
- PIPE LOCATION SHOWN IN PLAN IS DIAGRAMATIC. COORDINATE PIPE IN CORRIDOR WITH MECHANICAL DUCTWORK, FIRE PROTECTION PIPE AND ELECTRICAL COMPONENTS.

**KEYED NOTES:**

- REMOVE EXISTING WATER SERVICE TO TENTH FLOOR JANITOR CLOSET. CONNECTIONS FOR EXISTING SINGLE OCCUPANT TOILET ROOM TO REMAIN.
- REMOVE EXISTING WATER HEATER AND ALL PIPING. PREPARE JANITOR'S CLOSET FOR INSTALLATION OF NEW WATER HEATER TO SERVE NEW FIXTURES ON TENTH FLOOR. REFER TO NEW WORK PLAN.
- REMOVE COLD WATER AND HOT WATER PIPE IN CEILING TO EXISTING MOP SINK. EXISTING MOP SINK AND PIPE DOWN WALL TO FAUCET TO REMAIN. PIPE TO BE RECONNECTED IN CEILING UNDER NEW WORK.



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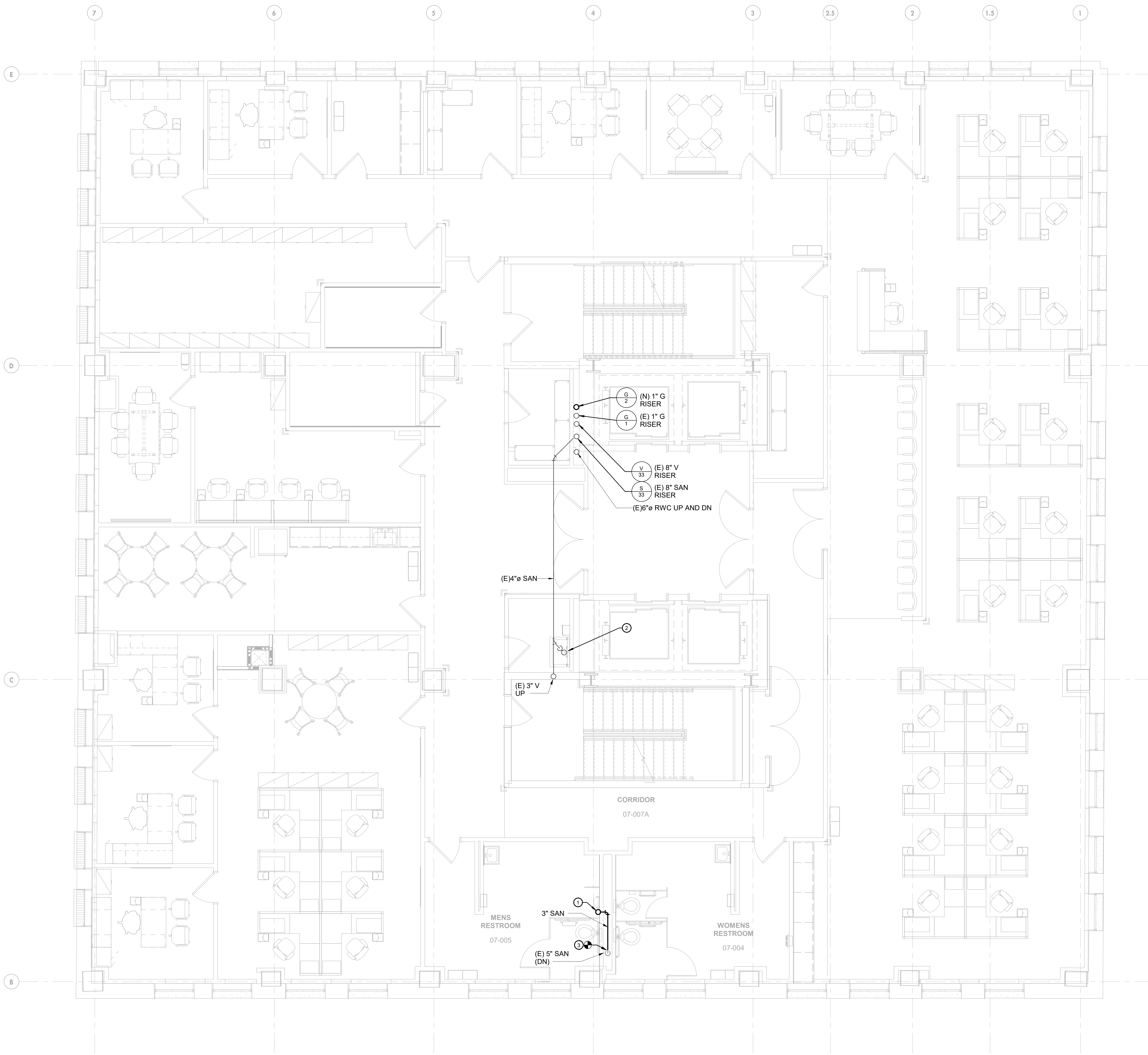
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PROJECT NUMBER: 304103-120 OC  
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DRAWING TITLE:  
**PLUMBING 10TH FLOOR**  
**DEMOLITION PLAN**

SHEET NO.:  
**PD-110**

1 PLUMBING DEMOLITION PLAN - TENTH FLOOR  
 1/4" = 1'-0"



**GENERAL NOTES:**

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- PIPE LOCATION SHOWN IN PLAN IS DIAGRAMATIC. COORDINATE PIPE IN CORRIDOR WITH MECHANICAL DUCTWORK. FIRE PROTECTION PIPE AND ELECTRICAL COMPONENTS.

**KEYED NOTES:**

- SANITARY PIPE DOWN FROM SK-1 ON LEVEL 8.
- SANITARY PIPE DOWN FROM EXISTING MOP SINK ON LEVEL 8.
- LEVEL 7 SHOWN FOR COORDINATION OF SANITARY PIPE FROM BREAK ROOM SINKS ON ABOVE LEVELS. REFER TO RISER FOR PIPE SIZES. COORDINATE SANITARY TIE IN TO EXISTING PIPE RISER IN REST ROOM.



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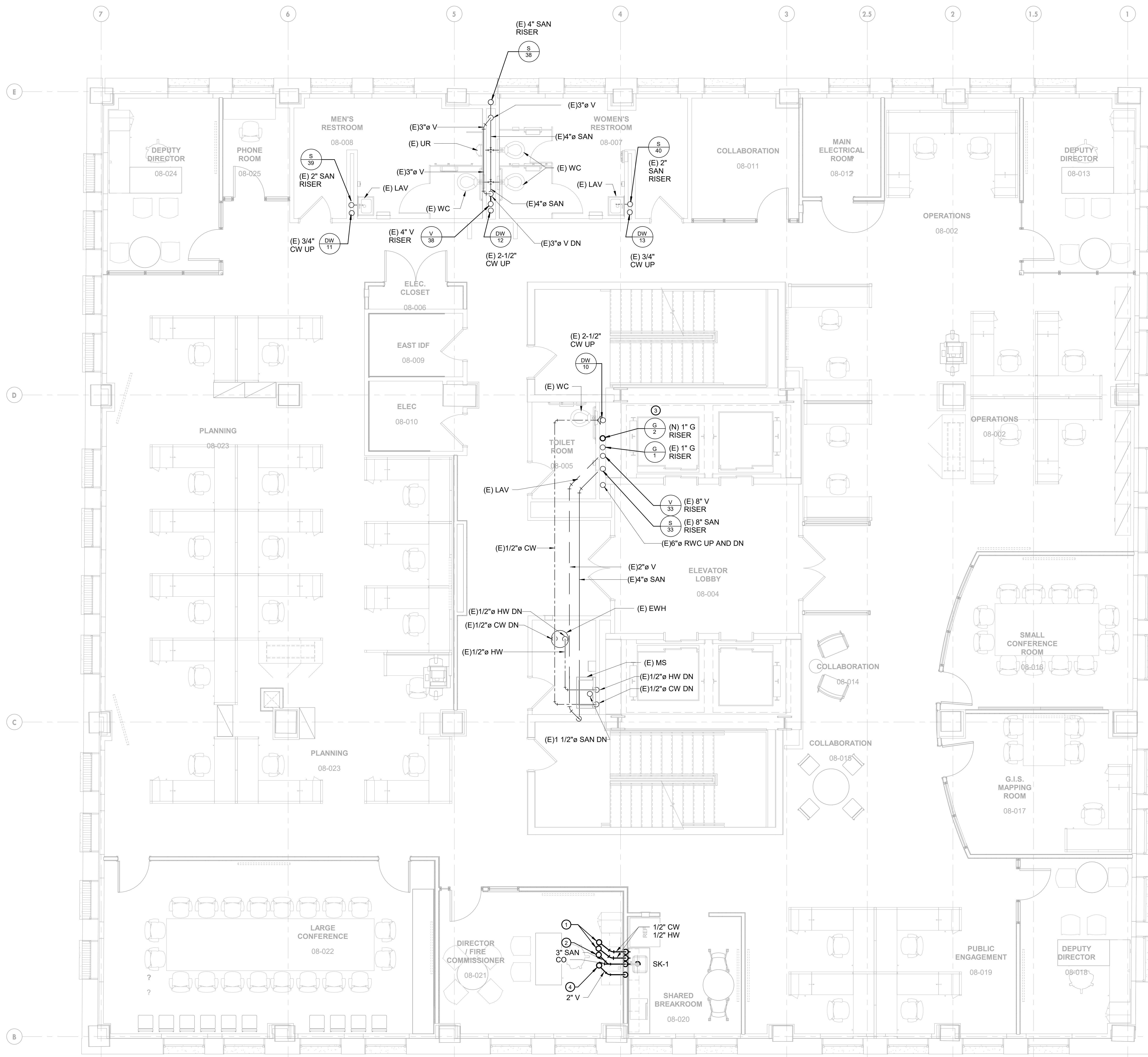
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PROJECT NUMBER: 304103-120 OC  
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DRAWING TITLE:  
**PLUMBING 7TH  
 FLOOR NEW WORK  
 PLAN**

SHEET NO.:  
**P-107**

① PLUMBING NEW WORK PLAN - SEVENTH FLOOR  
 1/4" = 1'-0"



**GENERAL NOTES:**

- REFER TO DRAWING P-001 FOR PLUMBING SYMBOLS, ABBREVIATIONS, GENERAL NOTES, PLUMBING DEMOLITION NOTES AND PLUMBING NOTES.
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- PIPE LOCATION SHOWN IN PLAN IS DIAGRAMATIC. COORDINATE PIPE IN CORRIDOR WITH MECHANICAL DUCTWORK, FIRE PROTECTION PIPE AND ELECTRICAL COMPONENTS.

**KEYED NOTES:**

- DOMESTIC COLD WATER AND HOT WATER TO BE SUPPLIED FROM LEVEL 10. REFER TO RISER FOR PIPE SIZE. OFFSET PIPE FOR BREAK ROOM SINK INTO WALL.
- SANITARY PIPE DOWN FROM SK-1 ON LEVEL 9. REFER TO RISER FOR SIZE. SANITARY PIPE SHALL BE OFFSET TO WALL AT LEVEL 8 BREAK ROOM AND RUN TO TOILET ROOM RISER IN CHASE ON LEVEL 7.
- REFER TO GAS RISER FOR PIPE SIZING AND NOTES FOR NEW SERVICE TO NEW HVAC EQUIPMENT.
- VENT PIPE FROM SK-1 RUN IN WALL. REFER TO RISER DIAGRAM FOR SIZE. VENT PIPE SHALL BE OFFSET AND CONTINUE UP TO LEVEL 9.



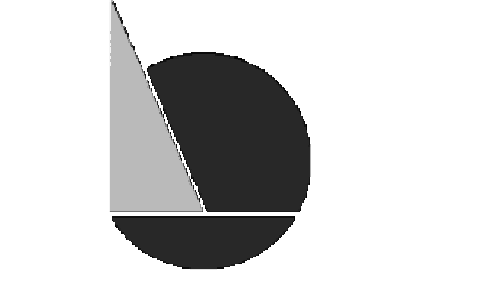
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DRAWING TITLE:  
**PLUMBING 8TH  
 FLOOR NEW WORK  
 PLAN**

SHEET NO:  
**P-108**

PRINTED ON: 2020-09-21 12:25:00

**1 PLUMBING NEW WORK PLAN - EIGHTH FLOOR**  
 1/4" = 1'-0"

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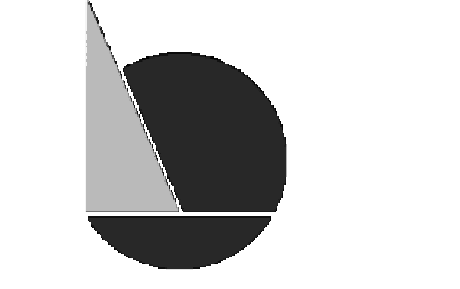
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DRAWING TITLE:  
**PLUMBING 9TH  
FLOOR NEW WORK  
PLAN**

SHEET NO.:

**P-109**

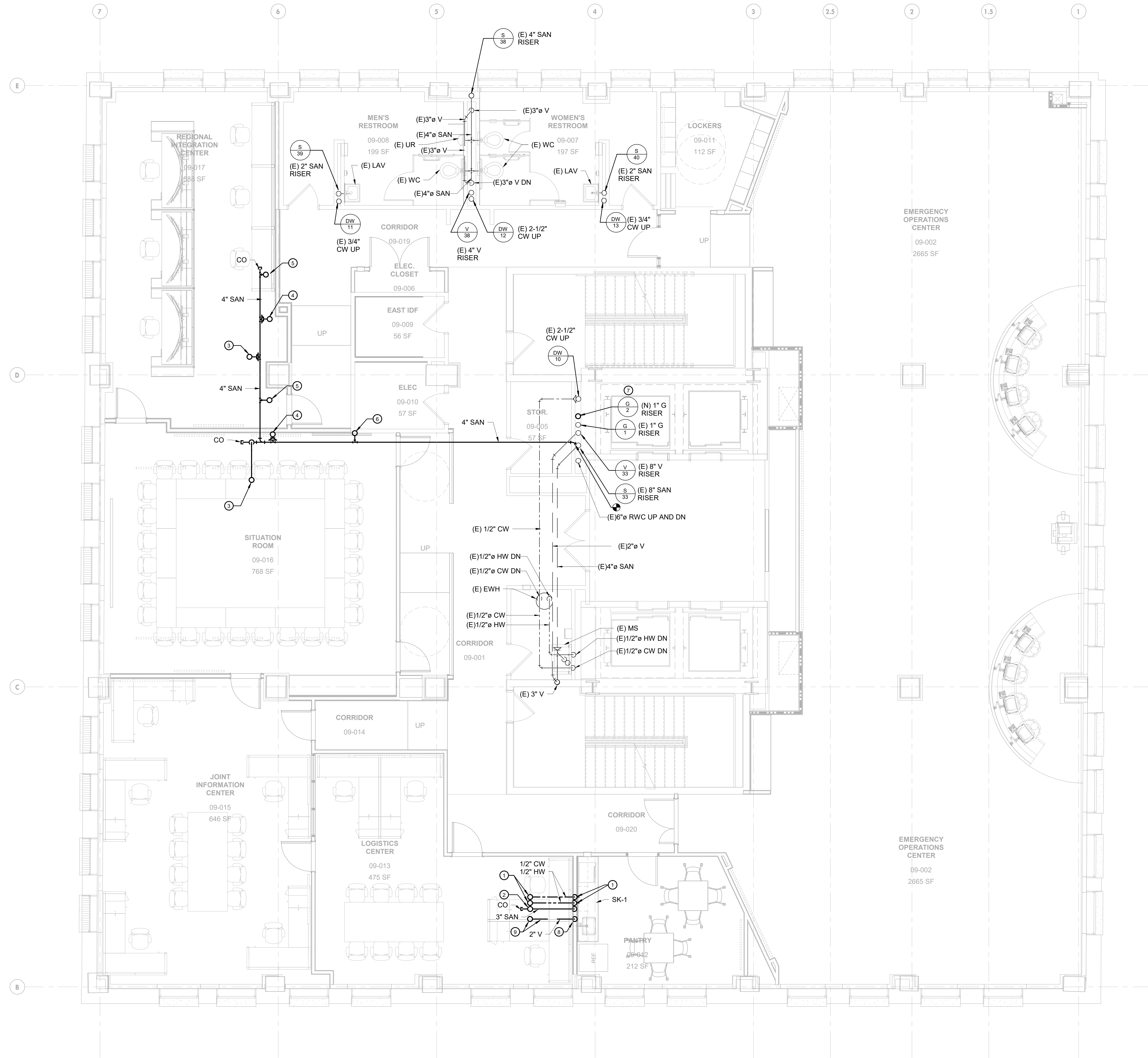
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**GENERAL NOTES:**

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5. REFER TO DRAWING P-502 FOR DOMESTIC WATER AND NATURAL GAS RISER DIAGRAM.
6. REFER TO DRAWING P-601 FOR PLUMBING DETAILS.
7. REFER TO DRAWING P-701 FOR PLUMBING SCHEDULES.
8. PIPE SHOWN IN PLAN IS LOCATED FROM THE FLOOR TO DECK ABOVE. DOMESTIC WATER AND VENT ARE FOR FIXTURES ON THE INDICATED LEVEL. SANITARY PIPE SERVES FIXTURES FROM LEVEL ABOVE.
9. PIPE LOCATION SHOWN IN PLAN IS DIAGRAMATIC. COORDINATE PIPE IN CORRIDOR WITH MECHANICAL DUCTWORK, FIRE PROTECTION PIPE AND ELECTRICAL COMPONENTS.

**KEYED NOTES:**

- ① DOMESTIC COLD WATER AND HOT WATER TO BE SUPPLIED FROM LEVEL 10. REFER TO RISER FOR PIPE SIZE. OFFSET PIPE FOR BREAK ROOM SINK INTO WALL.
- ② COMMON DRAIN DOWN FROM LEVEL 10 SK-1 SINK IN LACTATION ROOM AND SK-1 SINK IN BREAK ROOM. OFFSET SANITARY PIPE INTO WALL OF LEVEL 9 BREAK ROOM. REFER TO RISER FOR SANITARY PIPE SIZE.
- ③ DRAIN DOWN FROM LEVEL 10 SH-1 IN SHOWER ROOM.
- ④ DRAIN DOWN FROM LEVEL 10 LAV-1 IN SHOWER ROOM.
- ⑤ DRAIN DOWN FROM LEVEL 10 WC-1 IN SHOWER ROOM.
- ⑥ DRAIN DOWN FROM LEVEL 10 SINGLE OCCUPANT TOILET ROOM CHASE.
- ⑦ REFER TO GAS RISER FOR PIPE SIZING AND NOTES FOR NEW SERVICE TO NEW HVAC EQUIPMENT.
- ⑧ VENT PIPE FROM SK-1 RUN IN WALL. REFER TO RISER DIAGRAM FOR SIZE.
- ⑨ OFFSET VENT PIPE AND CONTINUE UP TO LEVEL 10.



① PLUMBING NEW WORK PLAN - NINTH FLOOR  
1/4" = 1'-0"

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SCALE: As indicated  
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DRAWN BY: DG  
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DRAWING TITLE:  
**PLUMBING 10TH FLOOR NEW WORK PLAN**

SHEET NO.:  
**P-110**

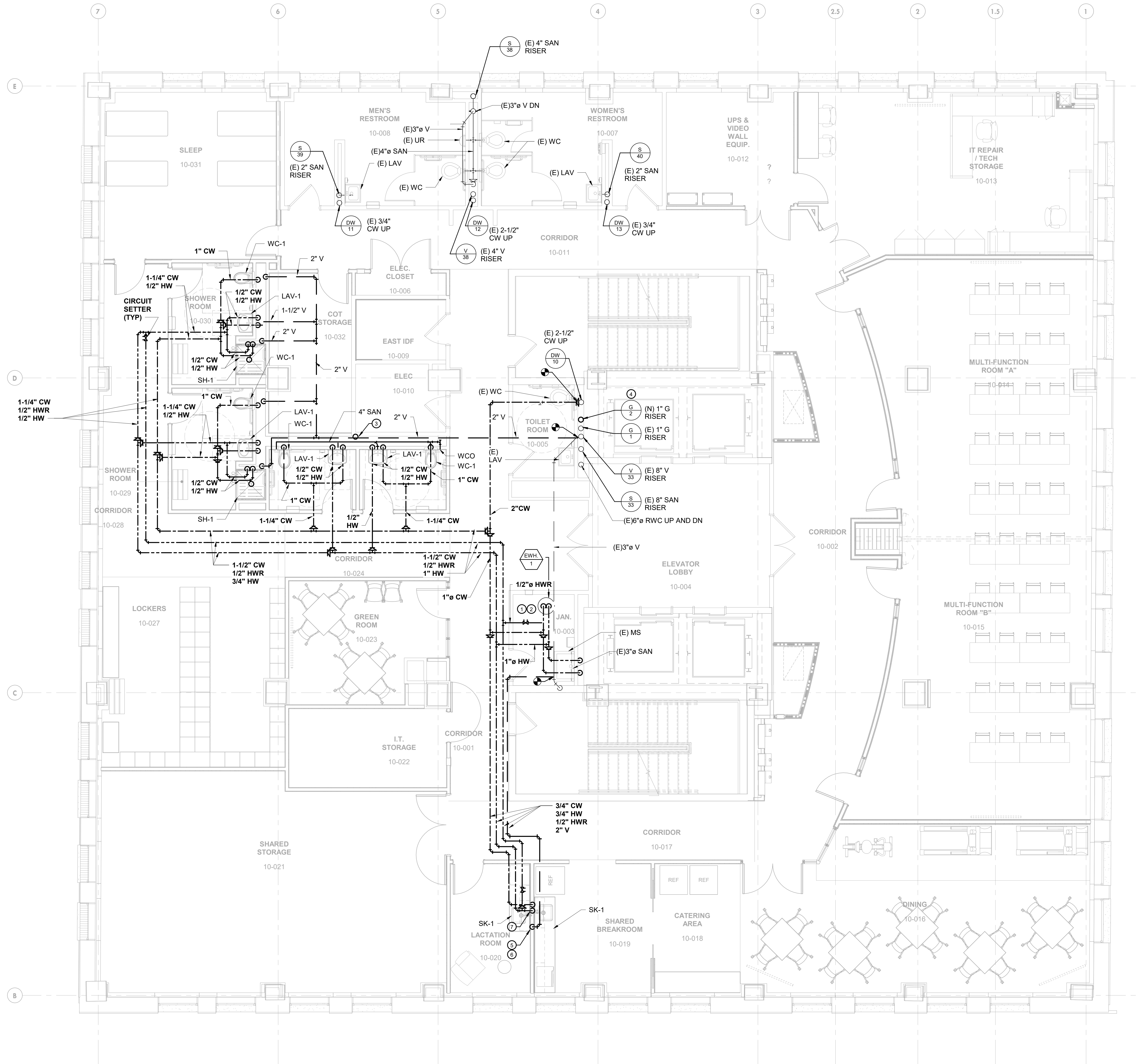
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9. PIPE LOCATION SHOWN IN PLAN IS DIAGRAMATIC. COORDINATE PIPE IN CORRIDOR WITH MECHANICAL DUCTWORK, FIRE PROTECTION PIPE AND ELECTRICAL COMPONENTS.

**KEYED NOTES:**

- ① PROVIDE RECIRCULATION PUMP RP-1 FOR HOT WATER RETURN TO ELECTRIC WATER HEATER EWH-2.
- ② NEW EWH-1 SHALL BE PLACED ON A CONCRETE PAD PER DETAIL 4, DRAWING P-601.
- ③ CONNECT FIXTURES TO PIPE IN CHASE. DROP TO FLOOR BELOW.
- ④ REFER TO GAS RISER FOR PIPE SIZING AND NOTES FOR NEW SERVICE TO NEW HVAC EQUIPMENT.
- ⑤ VENT PIPE FROM SK-1 RUN IN WALL. REFER TO RISER DIAGRAM FOR SIZE.
- ⑥ COMMON DRAIN FROM LACTATION ROOM AND BREAK ROOM SINK CONTINUED TO LEVEL 9. REFER TO RISER FOR PIPE SIZE.
- ⑦ DOMESTIC COLD WATER AND HOT WATER SHALL RUN DOWN IN WALL AND OFFSET TO LEVELS BELOW.



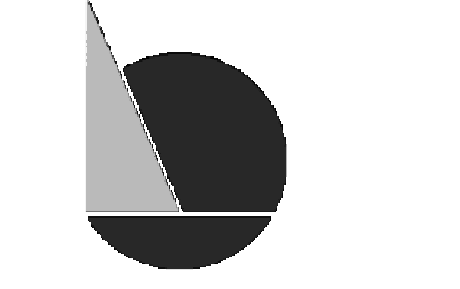
① PLUMBING NEW WORK PLAN - TENTH FLOOR  
1/4" = 1'-0"



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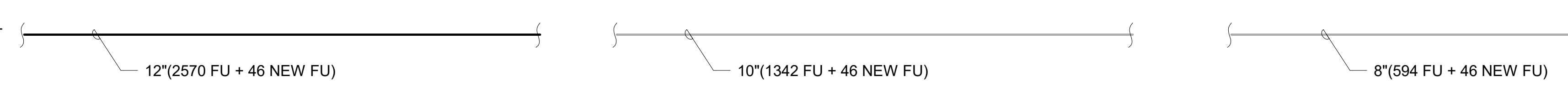
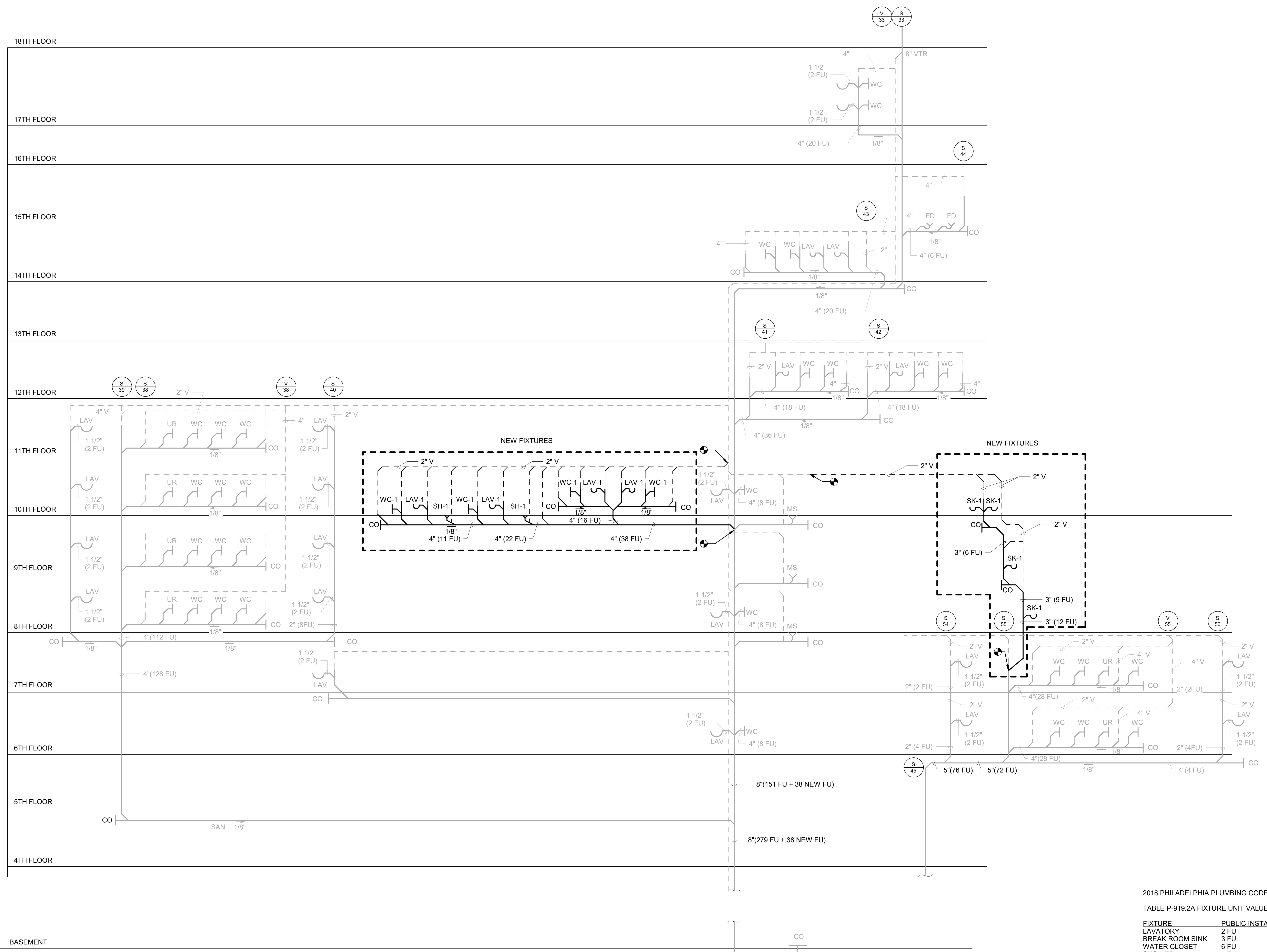
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CHECKED BY: DJM

DRAWING TITLE:  
SANITARY  
PLUMBING RISER  
DIAGRAM

SHEET NO.:

P-501

PRINTED ON: 2020-09-21 12:25:32



1 PLUMBING RISER DIAGRAM  
NOT TO SCALE

2018 PHILADELPHIA PLUMBING CODE  
TABLE P-919.2A FIXTURE UNIT VALUES

FIXTURE	PUBLIC INSTALLATION
LAVATORY	2 FU
BREAK ROOM SINK	3 FU
WATER CLOSET	6 FU
SHOWER	3 FU

TABLE P-919.2(C)  
MINIMUM PIPE SIZE ACCORDING TO FIXTURE LOAD (FU)

PIPE SIZE	1/8" PER FT SLOPE	VERTICAL
4"	50	225
5"	130	480
6"	330	1015
8"	850	2320
10"	1650	4500
12"	3000	8100

BIM\_360/PPSSB - Office of Emergency Management/122320\_001\_PPSSB\_OEM\_PL.rvt



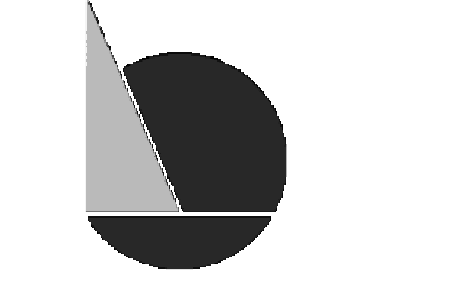
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FLOORS 8, 9 AND 10**

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**9/18/20**  
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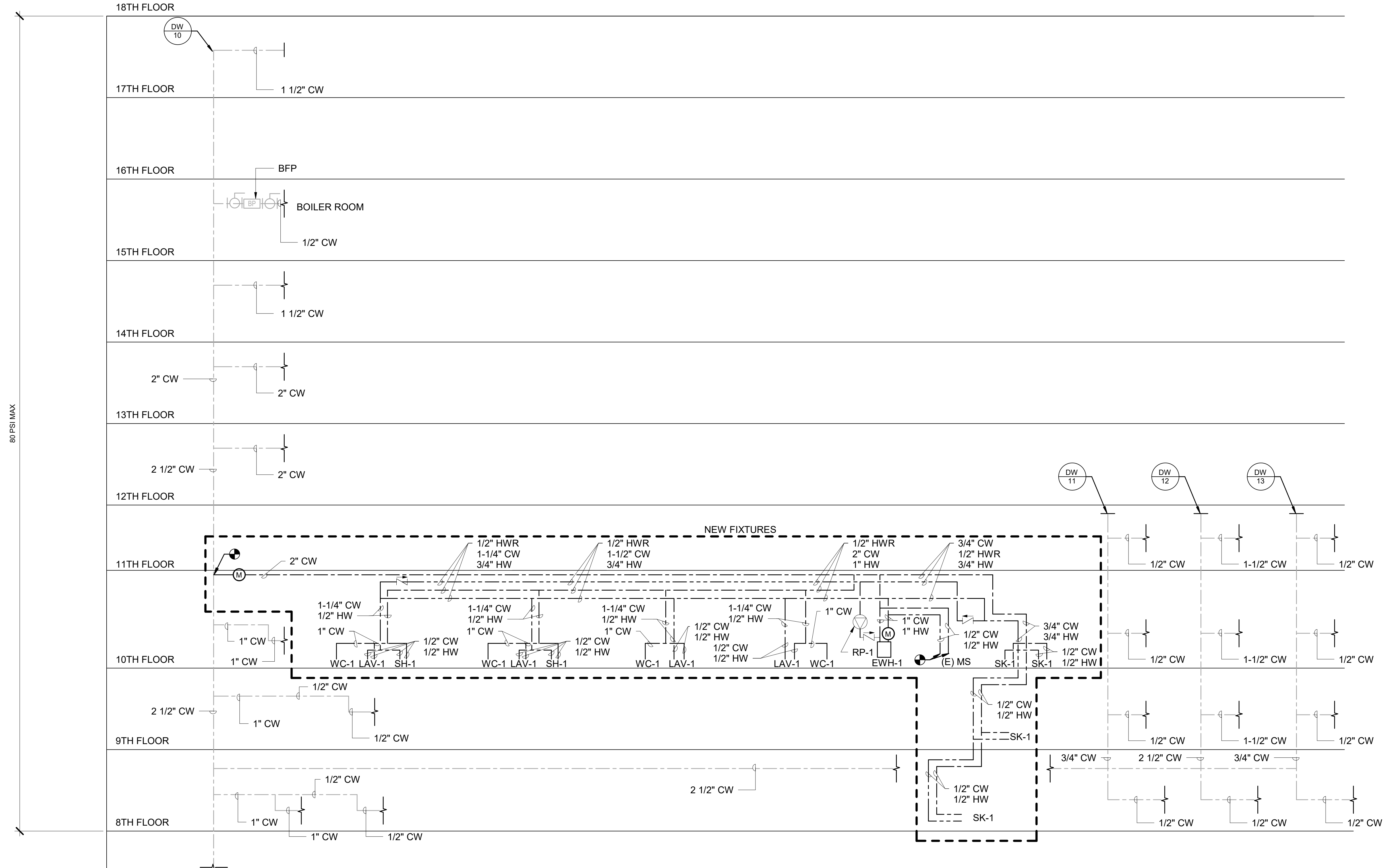
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SCALE: NOT TO SCALE  
DATE: 07/07/2020  
DRAWN BY: DG  
CHECKED BY: DJM

DRAWING TITLE:  
**PLUMBING  
DOMESTIC AND  
NATURAL GAS  
RISER DIAGRAM**

SHEET NO.:

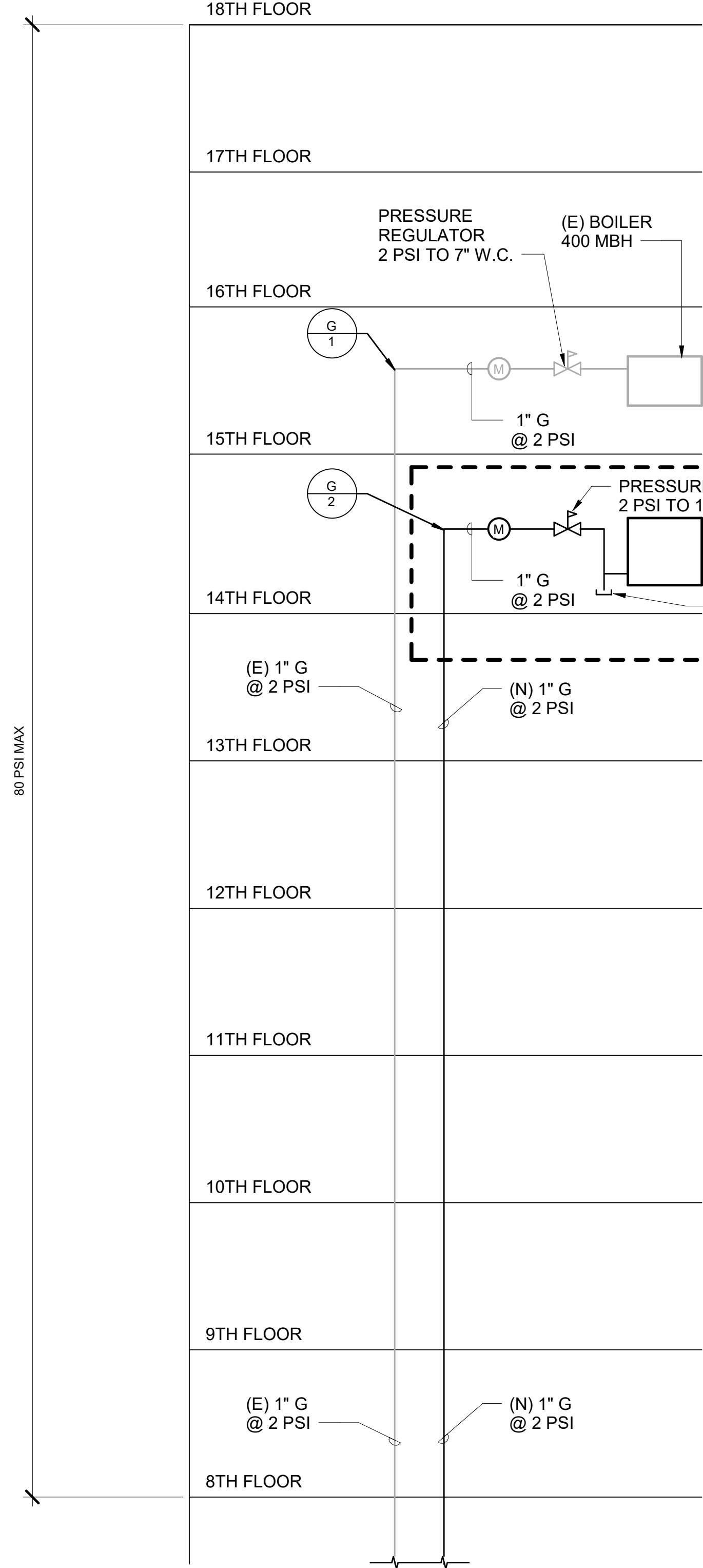
**P-502**

PRINTED ON: 2020-09-21 12:25:33



- NOTE:
- CONTRACTOR SHALL PROVIDE SHUT OFF VALVES AT EACH FIXTURE LOCATION AND AT BRANCH TAKE-OFFS.
  - CONTRACTOR SHALL PROVIDE WATER HAMMER ARRESTORS PER PLUMBING DRAINAGE INSTITUTE GUIDELINES.

1 DOMESTIC WATER RISER DIAGRAM  
NOT TO SCALE



2 PLUMBING GAS RISER DIAGRAM  
NOT TO SCALE

(EXISTING) GAS PIPING CALCULATION							NEW	
GAS TYPE	INLET PRESSURE	PRESSURE DROP	SPECIFIC GRAVITY	LENGTH	TOTAL CONNECTED LOAD	PIPE SIZE	NEW DOAS LOAD	LENGTH
NATURAL	2 PSI	1 PSI	0.60	750 FT	9500 MBH	3"	300 MBH @ 7" TO 14" W.C.	725 FT

SIZED PER 2018 IFGC TABLE 402.4(5) FOR SCHEDULE 40 METALLIC PIPE.

ASSUMED DEVELOPED LENGTH OF PIPE FOR DOAS IS 25 FEET LESS THAN FOR BOILER LOCATED ON 16TH FLOOR.

BASED ON TABLE NOTED ABOVE, THE CONNECTED LOAD AND NEW LOAD FOR PROPOSED DOAS. THE EXISTING 1" GAS SERVICE RISER IS NOT ADEQUATE TO PROVIDE REQUIRED CUBIC FEET PER HOUR FOR BOTH THE BOILER ON THE 15TH FLOOR AND NEW DOAS LOCATED ON THE 14TH FLOOR.

KEEP EXISTING 1" GAS SERVICE RISER (AT 2 PSI) AND RUN A SECOND 1" GAS SERVICE RISER TO THE 14TH FLOOR FOR NEW DOAS SYSTEM.

PER FIELD SURVEY, EXISTING GAS METER HAS CAPACITY FOR 11,000 CUBIC FEET PER HOUR.





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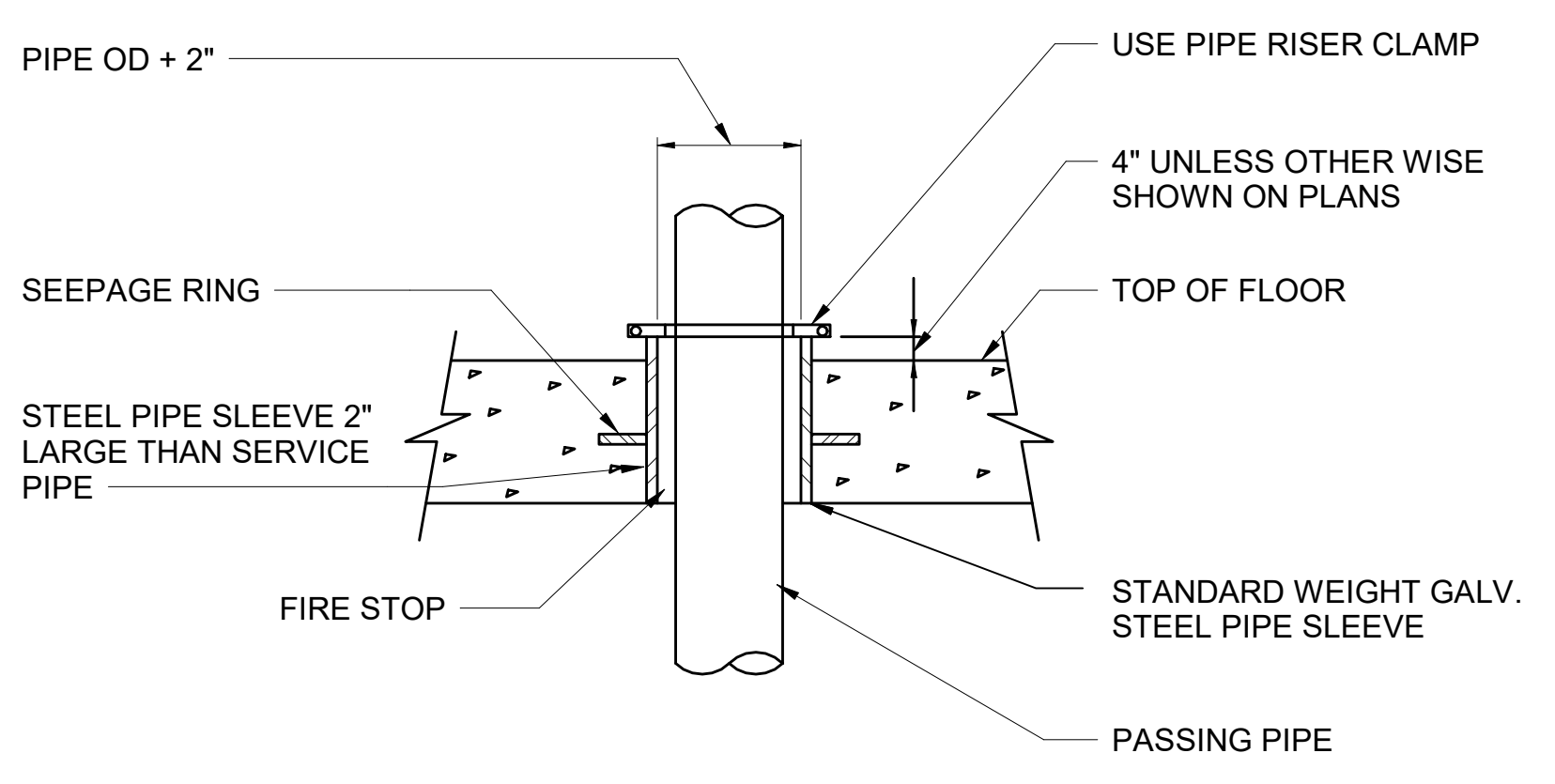
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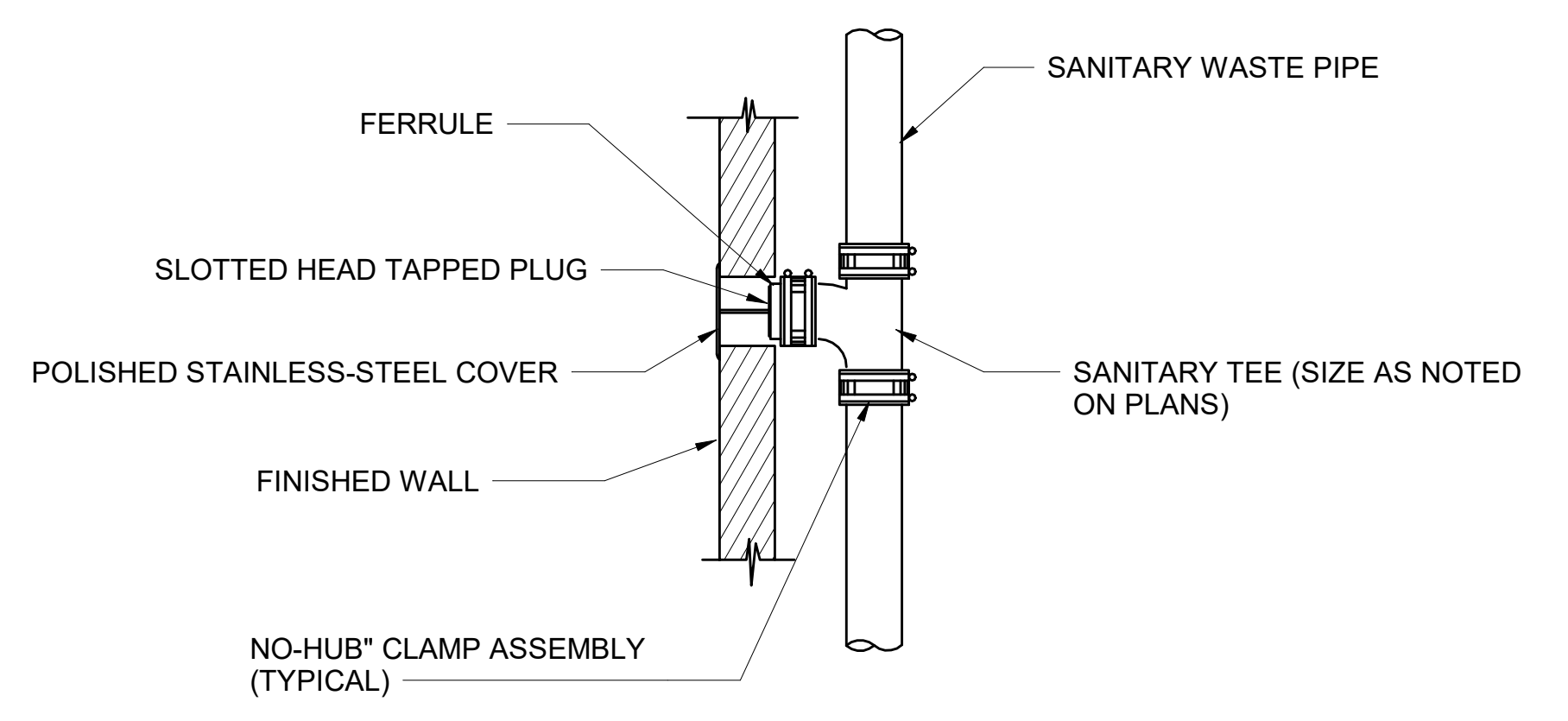
DRAWING TITLE:  
**PLUMBING  
 DETAILS**

SHEET NO:  
**P-601**

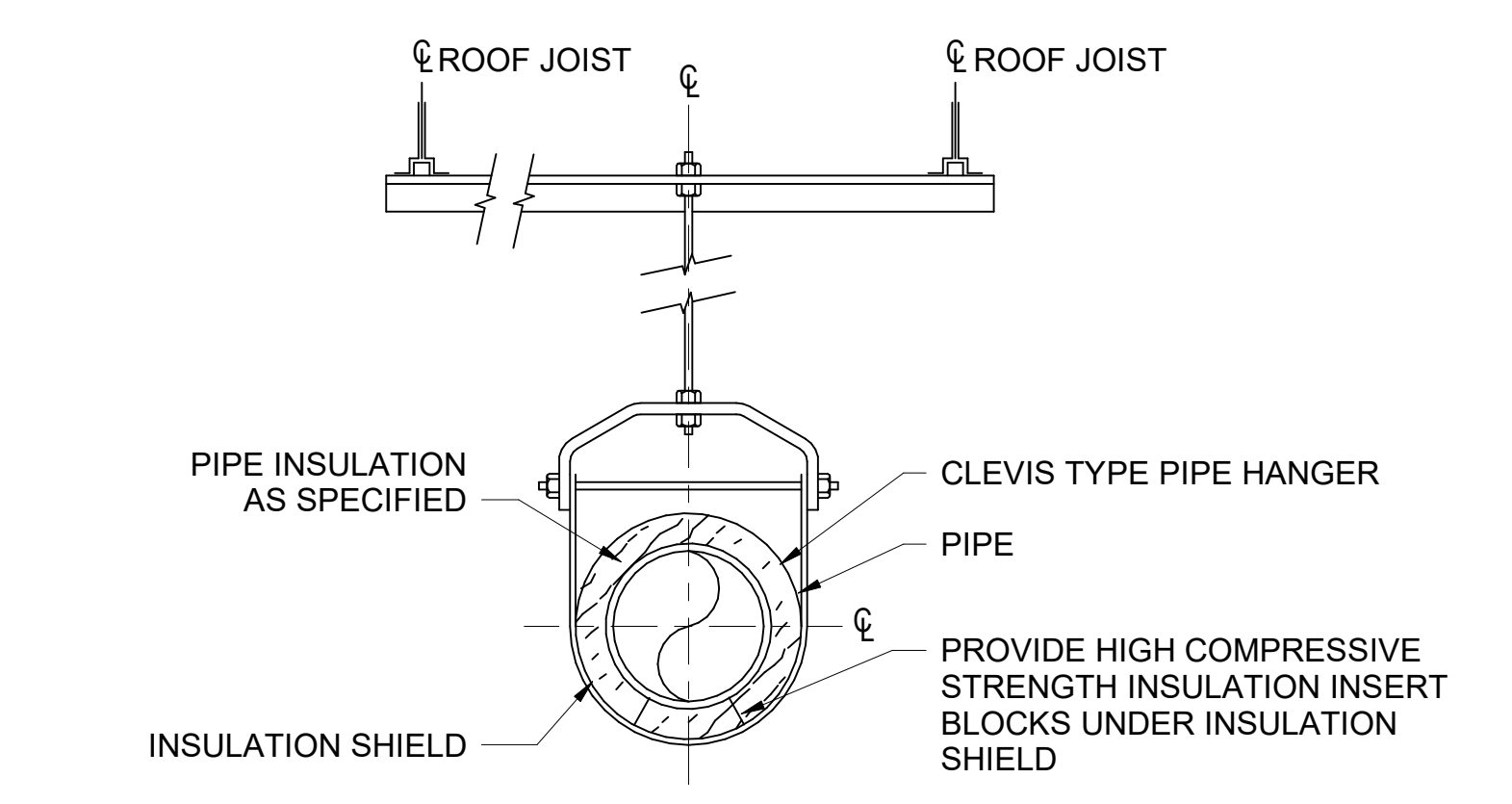
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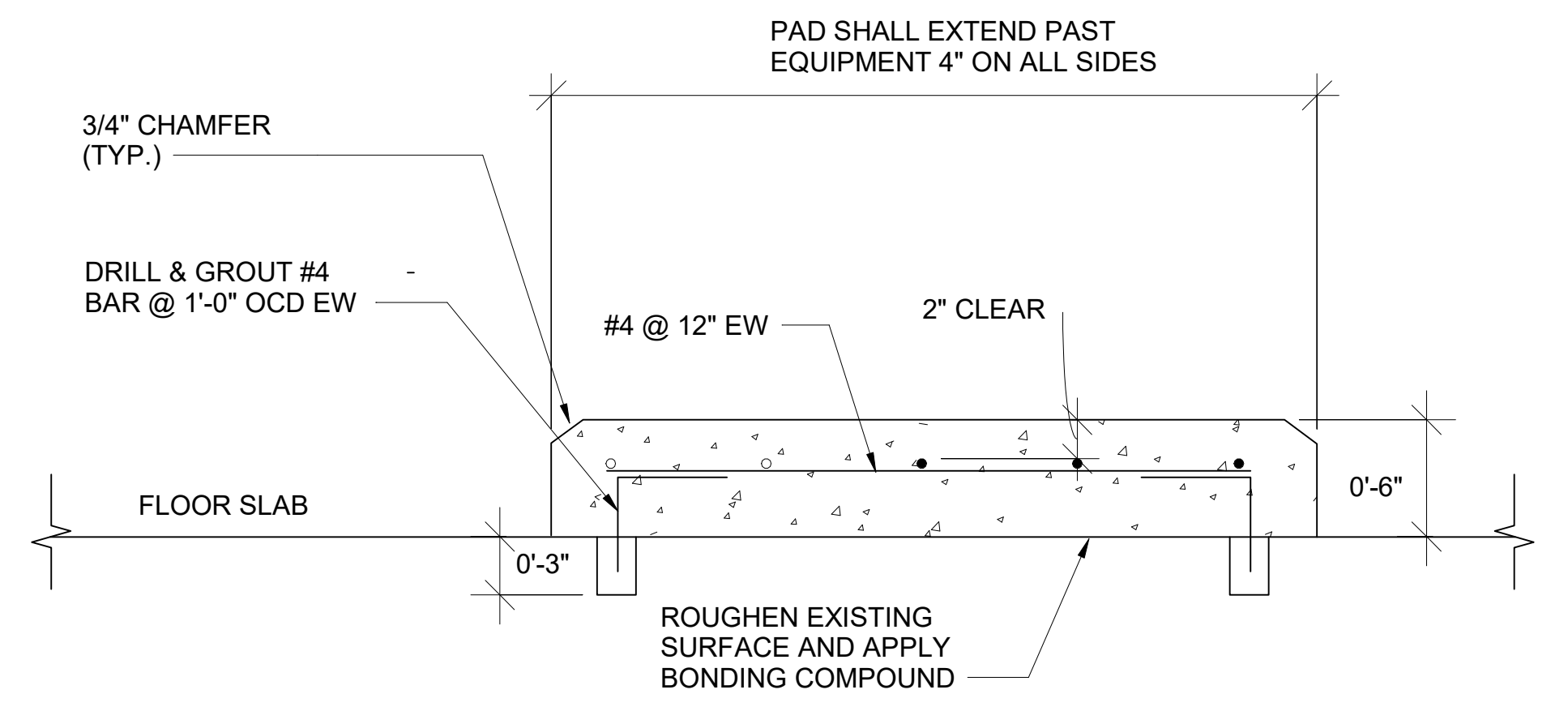
① FLOOR SLEEVE DETAIL  
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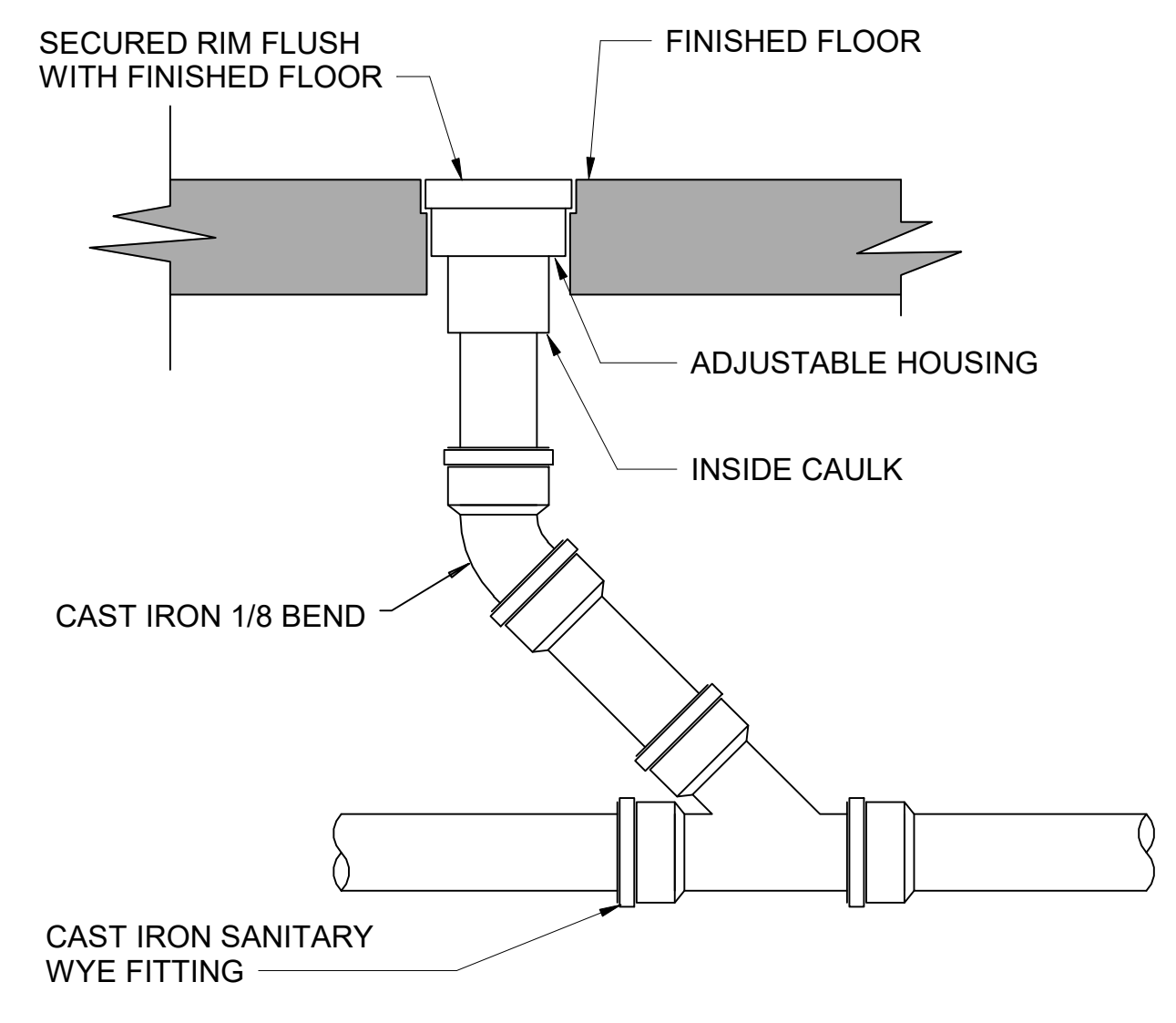
② WALL CLEANOUT DETAIL  
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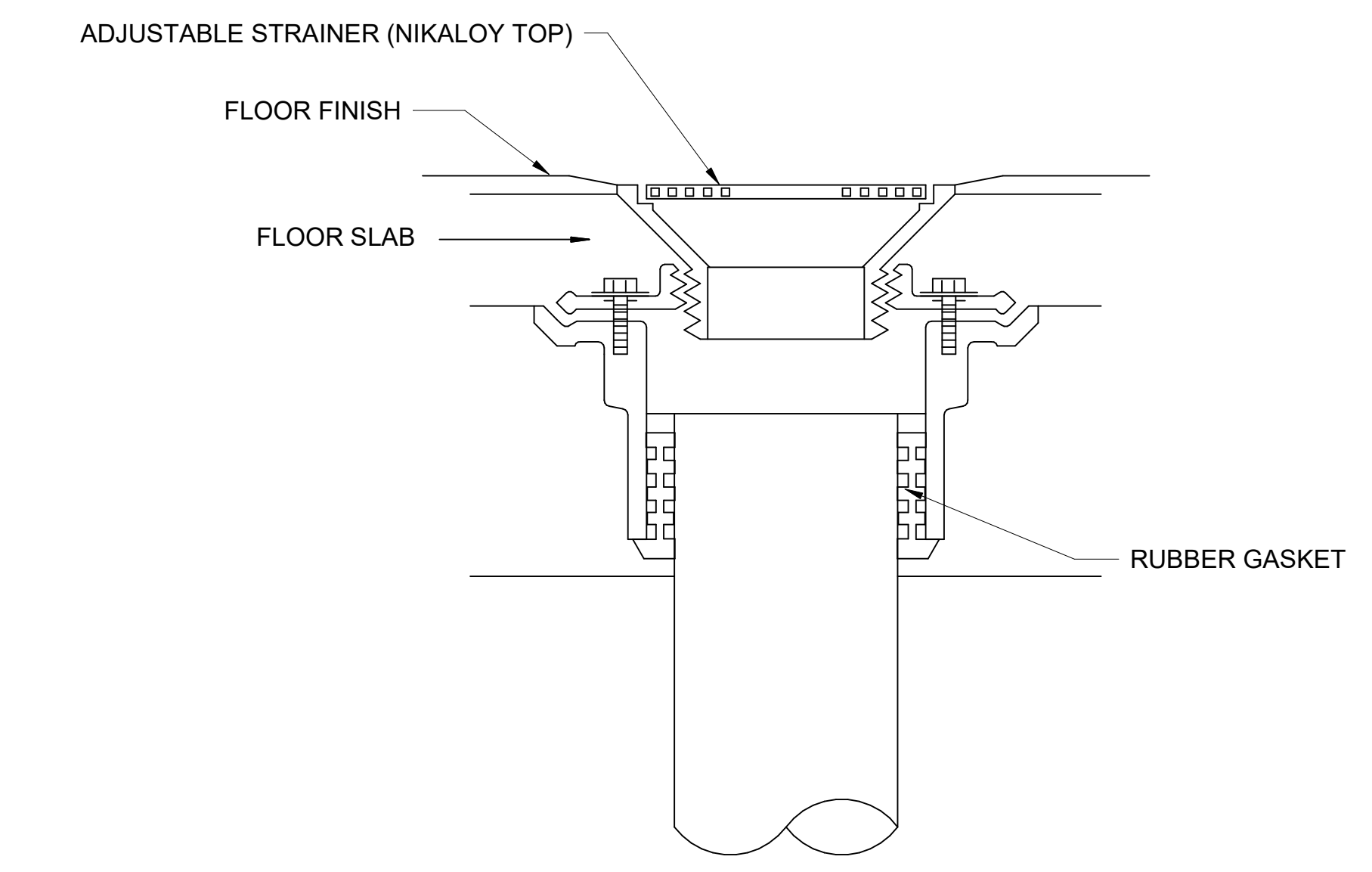
③ PIPE HANGER DETAIL  
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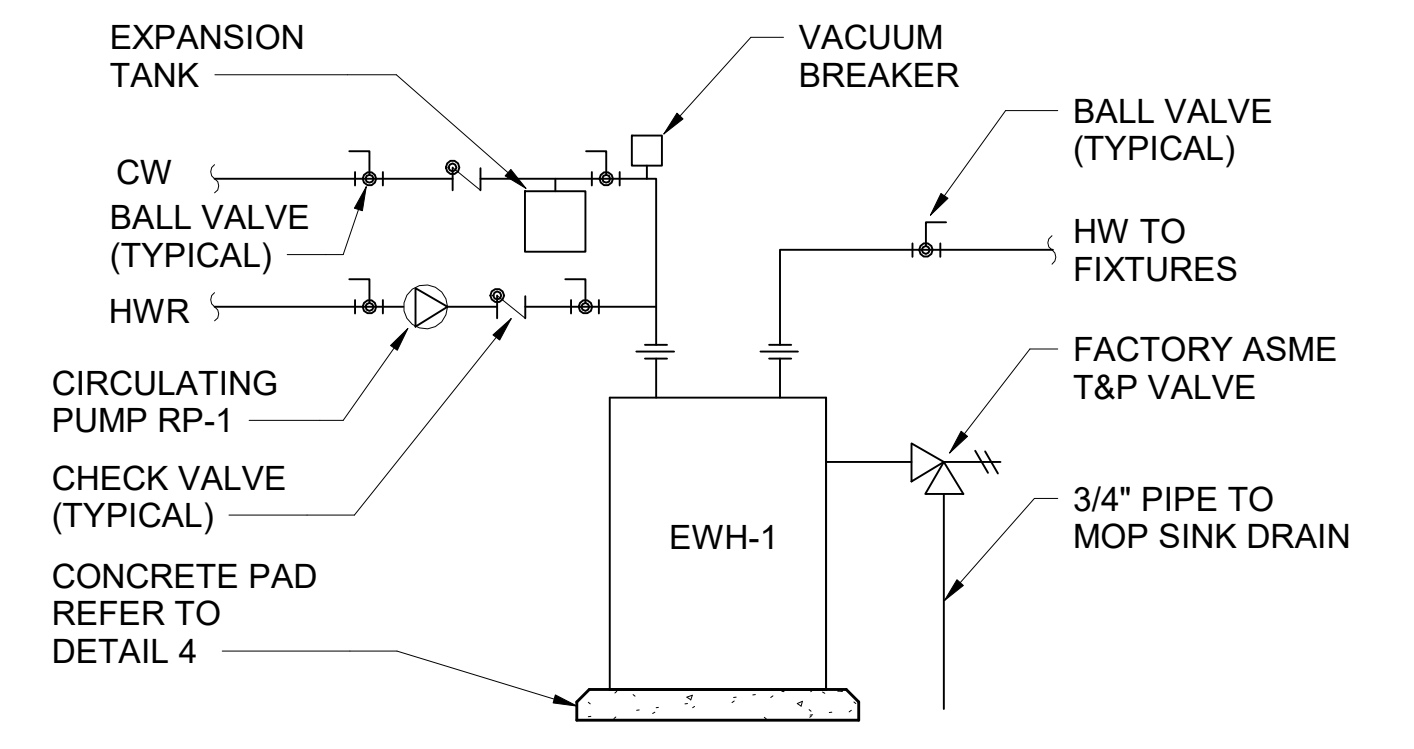
④ CONCRETE PAD DETAIL  
 NOT TO SCALE



⑤ FLOOR DRAIN CLEAN CLEANOUT DETAIL  
 NOT TO SCALE

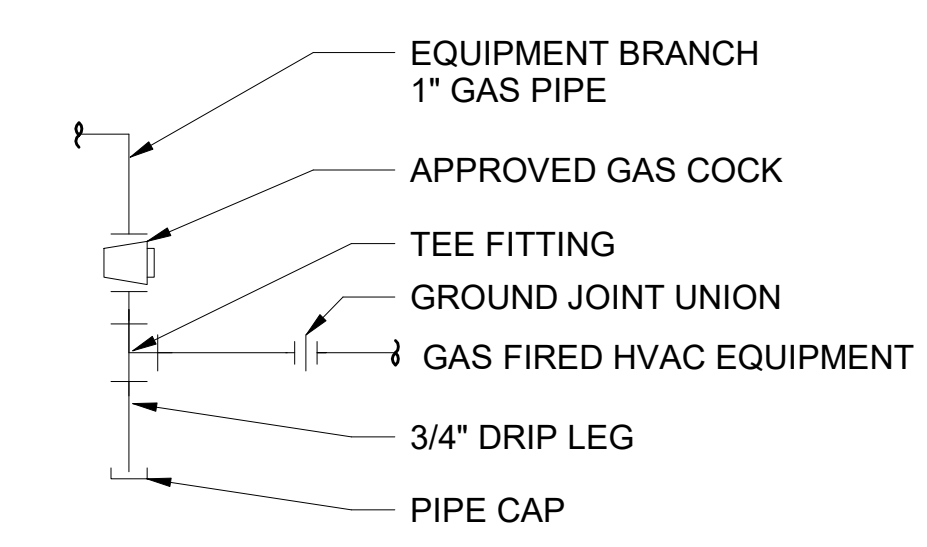


⑥ FLOOR DRAIN DETAIL  
 NOT TO SCALE



- NOTE:**
- ALL PIPING TO BE RUN TO PREVENT TRIPPING HAZARD.
  - PROVIDE HOUSEKEEPING PAD FOR WATER HEATERS MOUNTED ON FLOOR.
  - EWH-1 SHALL HAVE RP-1 FOR HOT WATER RECIRCULATION.
  - SECURE WATER HEATER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

⑦ WATER HEATER PIPING DETAIL  
 NOT TO SCALE



- NOTE:**
- PROVIDE DRIP LEG IN GAS PIPING AT EACH EQUIPMENT CONNECTION.
  - DRIP LEG MUST BE ACCESSIBLE FOR MAINTENANCE.
  - MINIMUM LENGTH OF DRIP LEG SHALL BE 3".
  - PROVIDE DRIP LEG / SEDIMENT TRAP AT EQUIPMENT.
    - DOWNSTREAM OF EQUIPMENT SHUTOFF VALVE, AND CLOSE TO EQUIPMENT INLET.
    - TRAP MAY BE TEE FITTING WITH CAPPED NIPPLE IN THE BOTTOM OPENING OF THE RUN OF THE TEE.

EQUIPMENT CONNECTION PIPE SIZE (DIAMETER)	DRIP SIZE (DIAMETER)
UNDER 3/4"	FULL SIZE
3/4" TO 1"	3/4"
2"	1"
3"	1-1/2" OR 3"
4"	2" OR 4"

PGW EQUIPMENT INSTALLATION MANUAL  
 REFERENCE TABLE 1, SECTION 1.5 DRIPS

⑧ GAS CONNECTION DETAIL  
 NOT TO SCALE

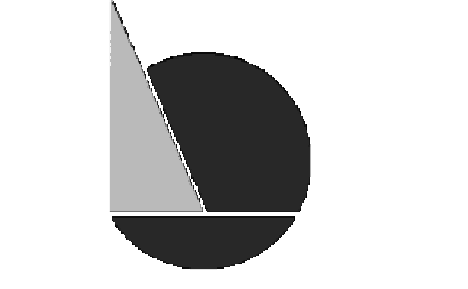


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DRAWING TITLE:  
**PLUMBING SCHEDULES**

SHEET NO:  
**P-701**

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**PLUMBING FIXTURES AND SPECIALTIES SCHEDULE**

TAG	DESCRIPTION	LOCATION	MANUFACTURER MODEL NUMBER BASIS OF DESIGN	COLD WATER	HOT WATER	SAN	VENT	CAPACITY	ELECTRICAL REQUIREMENTS	NOTES
FD-1	FLOOR DRAIN	SHOWER ROOM	JAY R. SMITH 2010C ROUND TOP	N/A	N/A	3"	2"	N/A	N/A	PROVIDE NICKEL BRONZE HEEL PROOF GRATE AND BARRIER TYPE TRAP SEAL JAY R. SMITH 2692 OR SIMILAR THAT MEETS ASSE #1072.
WC-1	WATER CLOSET	SINGLE OCCUPANT TOILET ROOM	AMERICAN STANDARD AFWALL 2257.101	1"	N/A	4"	2"	1.28 GPF	EL - 154 120 VAC INPUT/24 VAC OUTPUT TRANSFORMER (HARD WIRED)	WALL MOUNTED WATER CLOSET, WITH SLOAN 111-1.28 OPTIMA DBF ESS TMO, HANDS FREE FLUSHOMETER PROVIDE PROFLO COMMERCIAL HEAVY DUTY TOILET SEAT PFTSCOF2000 WH.
LAV-1	WALL MOUNTED LAVATORY	SINGLE OCCUPANT TOILET ROOM AND SHOWER ROOM	AMERICAN STANDARD MURRO 0954.004EC	1/2"	1/2"	2"	1-1/2"	0.35 GPM	EL - 154 120 VAC INPUT/24 VAC OUTPUT TRANSFORMER (HARD WIRED)	WALL MOUNTED LAVATORY WITH SLOAN ETF-600-HLT-TEE-CP-0.35 GPM MLM IR FCT.
SH-1	SHOWER	SHOWER ROOM	FREEDOM ADA TRANSFER SHOWER MODEL APF3682BF75 ACRYLIC SHOWER, THREE WALLS, LESS CEILING	1/2"	1/2"	2"	1-1/2"	1.5 GPM	N/A	LEONARD 7600 SHOWER MASTER 76-3A H14 LOW FLOW SHOWER HEAD AND 501PG HAND SHOWER WITH SLIDE BAR. DIVERTER SHALL BE D2L FOR SWITCH FROM SHOWER HEAD TO HAND SHOWER. SHOWER SHALL BE PROVIDED WITH FOLDING SHOWER SEAT, GRAB BARS, SHOWER ROD, WEIGHTED CURTAIN, COLLAPSIBLE WATER RETAINER TO MEET ADA. SHOWER SHALL HAVE CAULKLESS DRAIN.
SK-1	SINK	BREAK ROOM, LACTATION ROOM	ELKAY ELUHAD211555, SINGLE BOWL UNDER MOUNT	1/2"	1/2"	2"	1-1/2"	1.5 GPM	N/A	18 GAUGE / 304 STAINLESS STEEL SINK, BOWL DEPTH TO MEET ADA. PROVIDE WITH PROFLOW BASKET STRAINER PF1432SS. BASIS OF DESIGN FAUCET SHALL BE HANDS FREE, KOHLER K22068. FAUCET SHALL BE HARD WIRED, ADA WITH SINGLE LEVER TEMPERATURE CONTROL. MAXIMUM FLOW RATE IS 1.5 GPM.

- NOTE:
- BASIS OF DESIGN CARRIERS INDICATED ABOVE DESCRIBE GENERAL REQUIREMENTS, ASSUMING SINGLE FIXTURES. ACTUAL SELECTION OF CARRIERS SHALL BE BY CONTRACTOR AS REQUIRED BY ACTUAL CONDITIONS, INCLUDING BACK TO BACK ARRANGEMENT, ETC.
  - TOILET ROOM FIXTURES WHERE NOTED BY ARCHITECT SHALL BE MOUNTED TO MEET ACCESSIBILITY REQUIREMENTS. FAUCETS AND FLUSH VALVES SHALL MEET ADA.
  - SHOWER BALANCE VALVE, SHOWER HEAD AND HAND HELD SHOWER WITH GLIDE BAR SHALL MEET ADA.
  - BREAK ROOM SINK AND LACTATION ROOM SINK SHALL MEET ADA DEPTH REQUIREMENTS. MANUAL FAUCET SHALL MEET ADA.

**WATER HEATER SCHEDULE**

TAG	DESCRIPTION	MANUFACTURER MODEL NUMBER BASIS OF DESIGN	COLD WATER	HOT WATER	STORAGE CAPACITY	ELECTRICAL REQUIREMENTS	NOTES
EWH-1	ELECTRIC WATER HEATER	AO SMITH DEN-80	1"	1"	80 GAL	480 V/ 60 HZ / 3 PHASE, 12 KW	80 GAL TANK W/ 49 GPH RECOVERY @ 100° RISE. PROVIDE WITH WESSELS T-12 EXPANSION TANK AND RECIRCULATING PUMP RP-1 FOR HOT WATER RETURN.

**HOT WATER RECIRCULATING PUMP SCHEDULE**

TAG	SERVICE	GPM	HEAD (FT.)	ELECTRICAL CHARACTERISTICS				MANUFACTURER MODEL NUMBER BASIS OF DESIGN	REMARKS	
				RPM	BHP	FLA	VOLTS			PHASE
RP-1	HOT WATER	3	10	3250	1/25	1	115	1	TACO 008	SEE NOTES

NOTES:  
 1. PROVIDE WITH BRONZE CONNECTIONS.  
 2. PROVIDE WITH TEMPERATURE AQUASTAT 95 °F ON / 115 °F OFF.