

ADDENDUM 5

DATE: December 1, 2016
PROJECT: MSB First Floor Infill LRC 3 & 4
RFP NO: 744-R1705
OWNER: The University of Texas Health Science Center at Houston
TO: Prospective Proposers

This Addendum forms part of and modifies Proposal Documents dated, October 19, 2016, with amendments and additions noted below.

The issue for construction document dated 7/8/16 is below. It was inadvertently omitted from the previous Addendum.

MSB 1st Floor Infill LRC 3 & 4



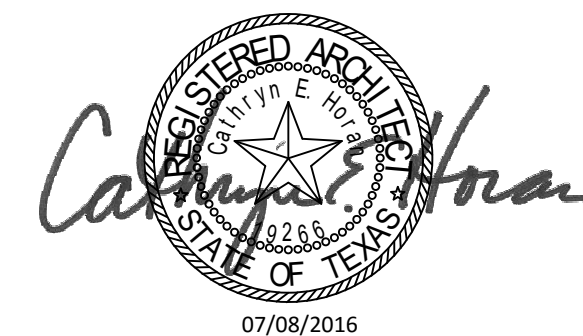
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Issues / Revisions

No.	Date	Description
	07/08/2016	Issue for Construction

Project:

MSB 1st Floor Infill LRC 3 & 4



Drawing Name:

Fire Safety Plan

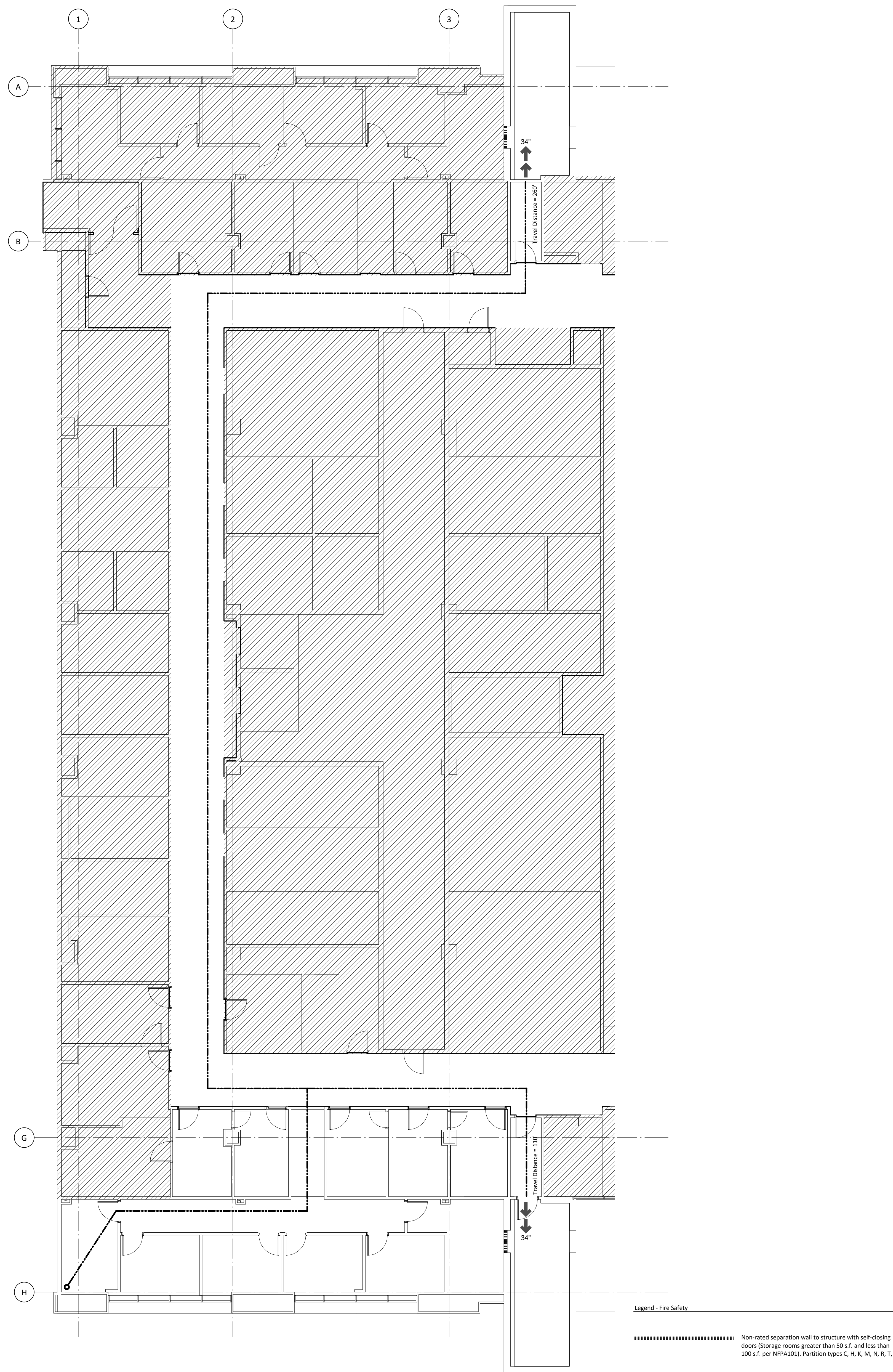
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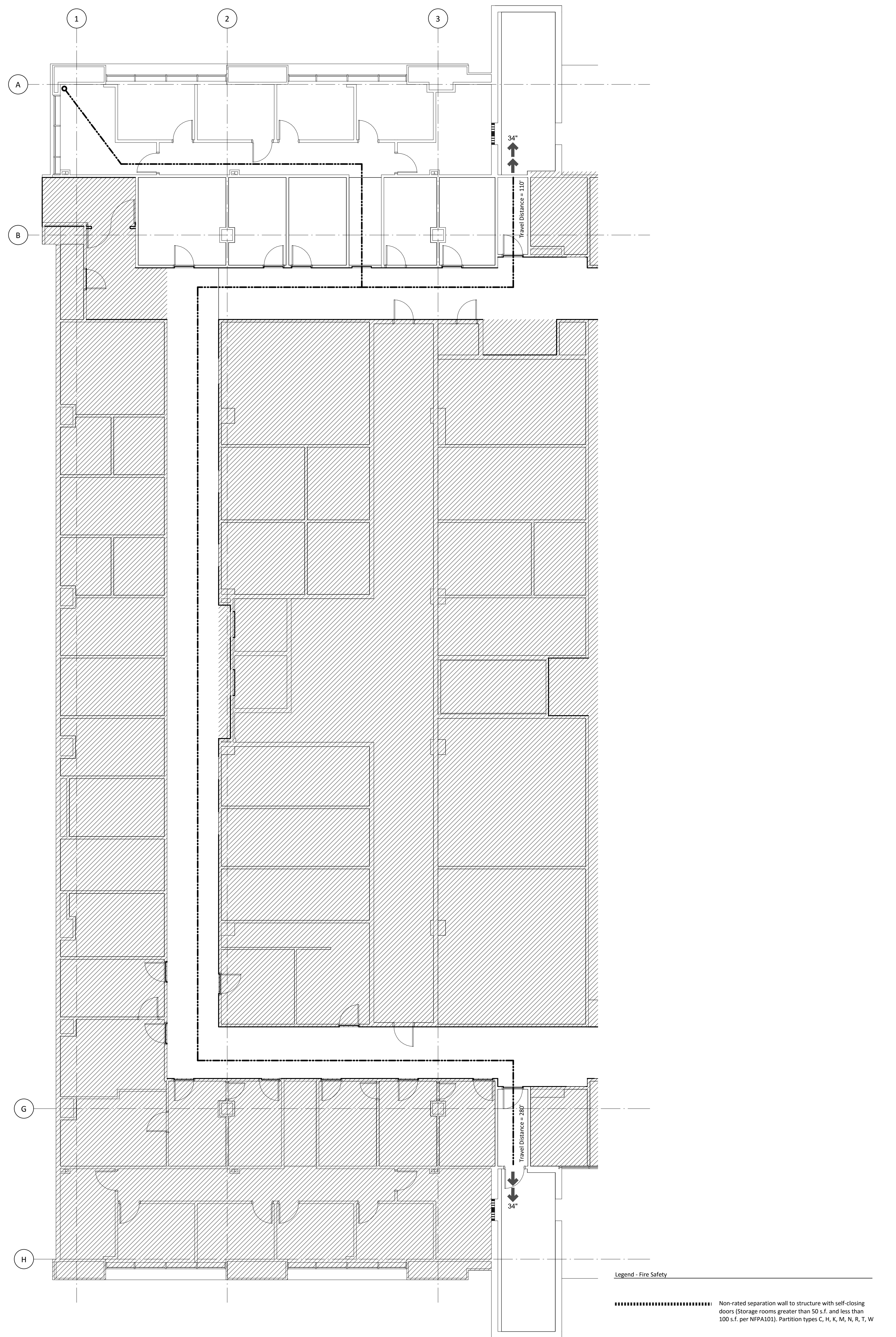
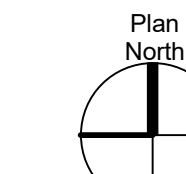
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P/W Commission Number: 214-198R

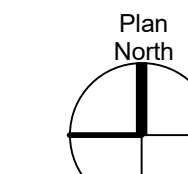
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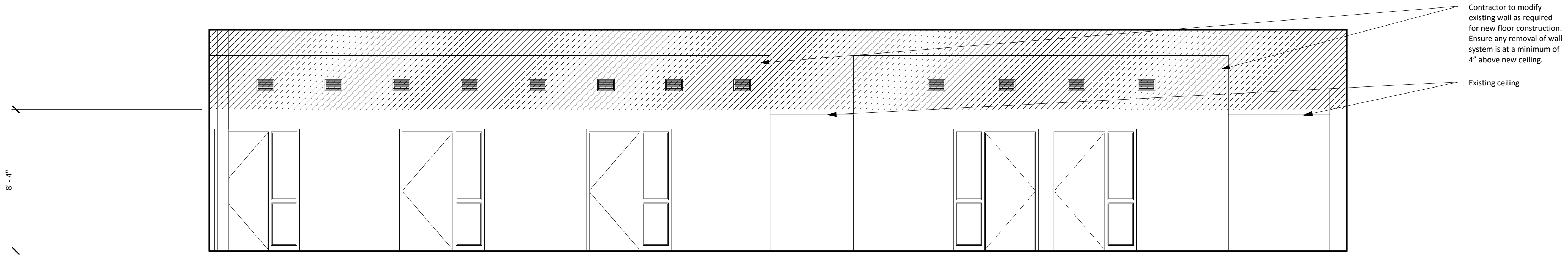
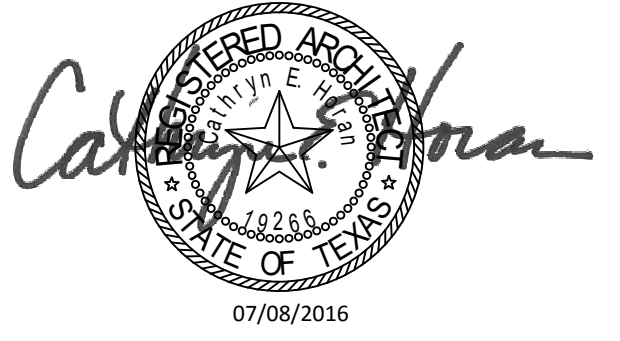


- Legend - Fire Safety**
- Non-rated separation wall to structure with self-closing doors (Storage rooms greater than 50 s.f. and less than 100 s.f. per NFPA101). Partition types C, H, K, M, N, R, T, W
 - Building exit, clear exit width in inches
 - FE-1 Fire extinguisher cabinet location
 - Longest travel: - - - Path of longest exit travel
 - XX Door and frame fire rating in minutes

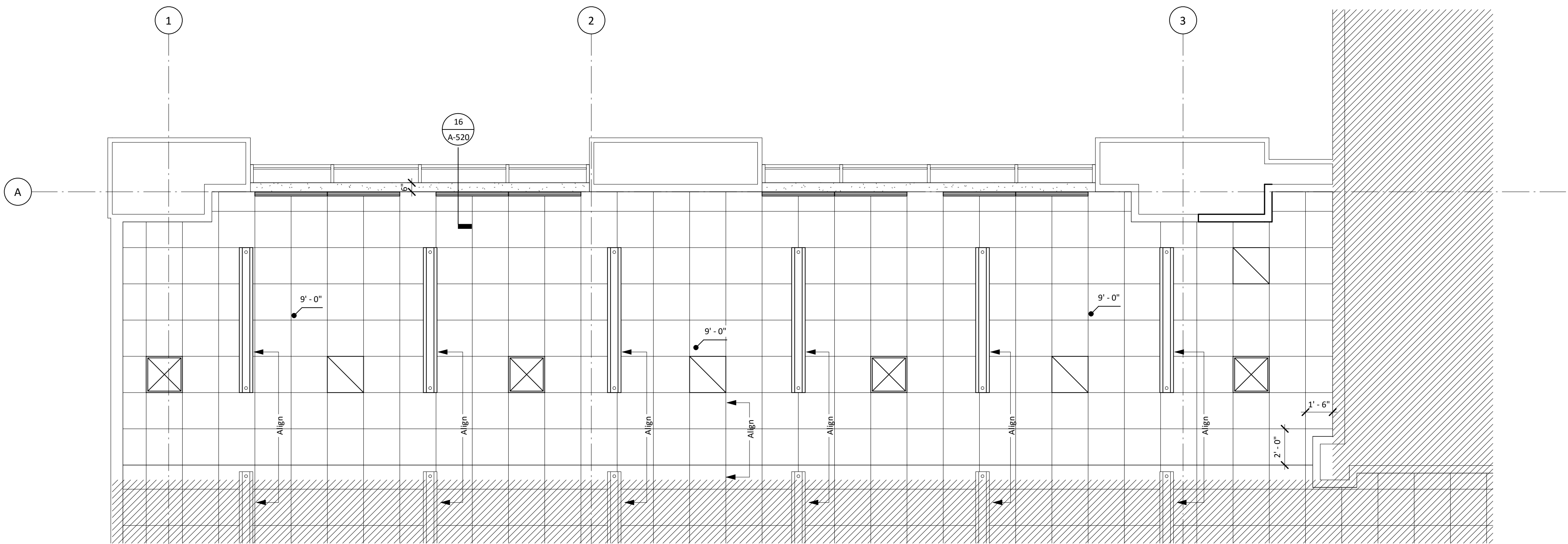


- Legend - Fire Safety**
- Non-rated separation wall to structure with self-closing doors (Storage rooms greater than 50 s.f. and less than 100 s.f. per NFPA101). Partition types C, H, K, M, N, R, T, W
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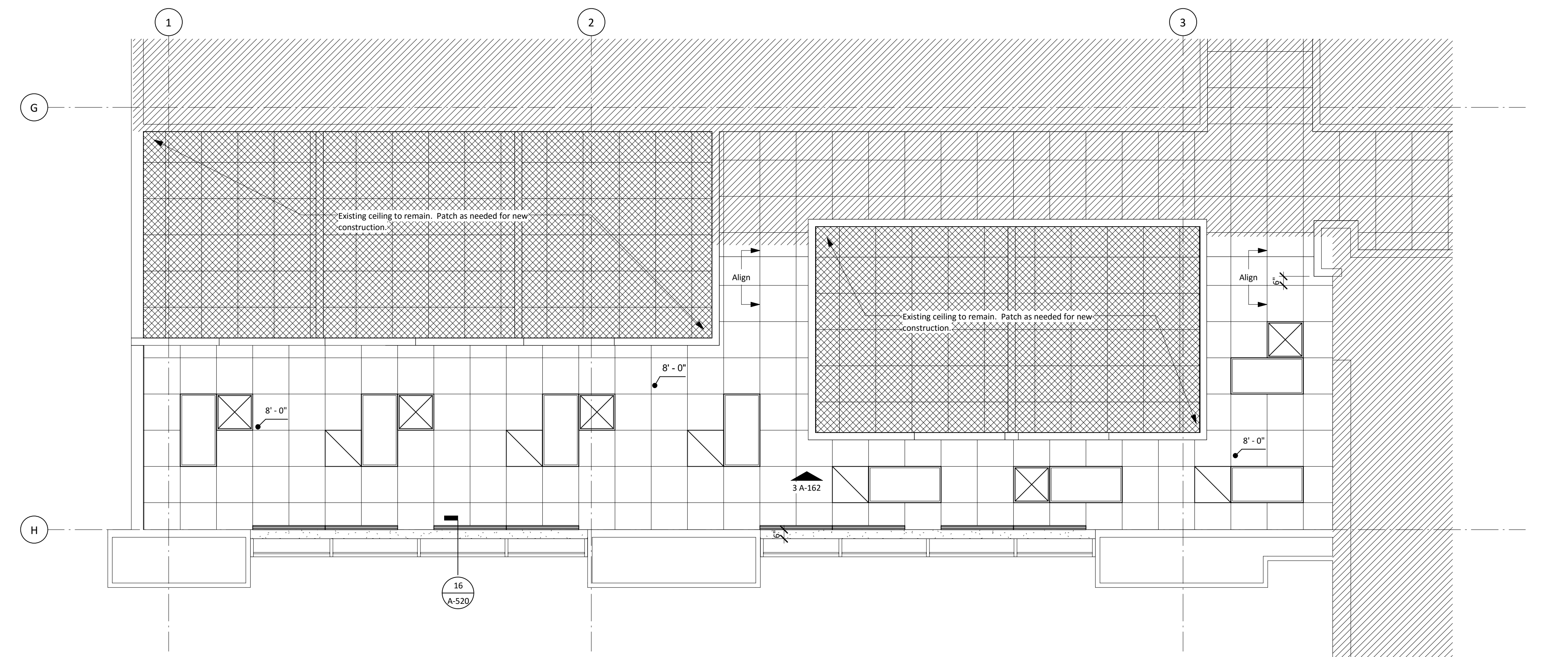


Study Lounge - Existing Elevation 1/4" = 1'-0" 3



- | | | | |
|--|---|---|-----------------------|
| <p>General Notes</p> <ol style="list-style-type: none"> All new ceilings to be 9'-0" a.f.f., unless noted otherwise. See Finish Schedule for types. Center all sprinkler heads and ceiling mounted devices in center of ceiling tile, unless noted otherwise. | <p>General Notes - Reflected Ceiling Plan</p> <ol style="list-style-type: none"> All new ceilings to be 9'-0" a.f.f., unless noted otherwise. See Finish Schedule for types. Center all sprinkler heads and ceiling mounted devices in center of ceiling tile, unless noted otherwise. | <p>Legend - Reflected Ceiling Plan</p> <p>▬ New partition to structure. See 1 A-520 for partition schedule.</p> <p>▨ Not in project scope.</p> | <p>Plan
North</p> |
|--|---|---|-----------------------|

Ground Floor - RCP - East 1/4" = 1'-0" 2



- | | | |
|---|---|-----------------------|
| <p>General Notes - Reflected Ceiling Plan</p> <ol style="list-style-type: none"> All new ceilings to be 9'-0" a.f.f., unless noted otherwise. See Finish Schedule for types. Center all sprinkler heads and ceiling mounted devices in center of ceiling tile, unless noted otherwise. | <p>Legend - Reflected Ceiling Plan</p> <p>▬ New partition to structure. See 1 A-520 for partition schedule.</p> <p>▨ Not in project scope.</p> | <p>Plan
North</p> |
|---|---|-----------------------|

Ground Floor - RCP - West 1/4" = 1'-0" 1

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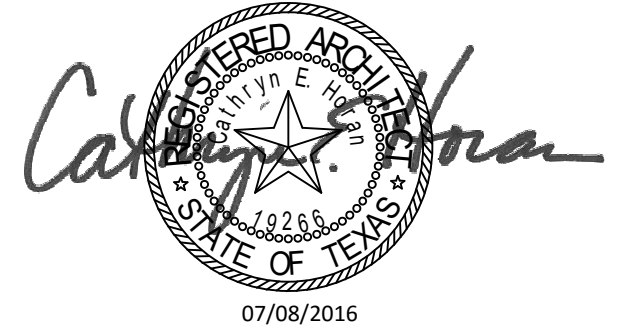
No.	Date	Description
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MSB 1st Floor Infill LRC 3 & 4



Reflected Ceiling Plans - Ground Level

C:\Users\jordan\Documents\MSB_1st_Flr_RCP_General_2016.rvt



Contract

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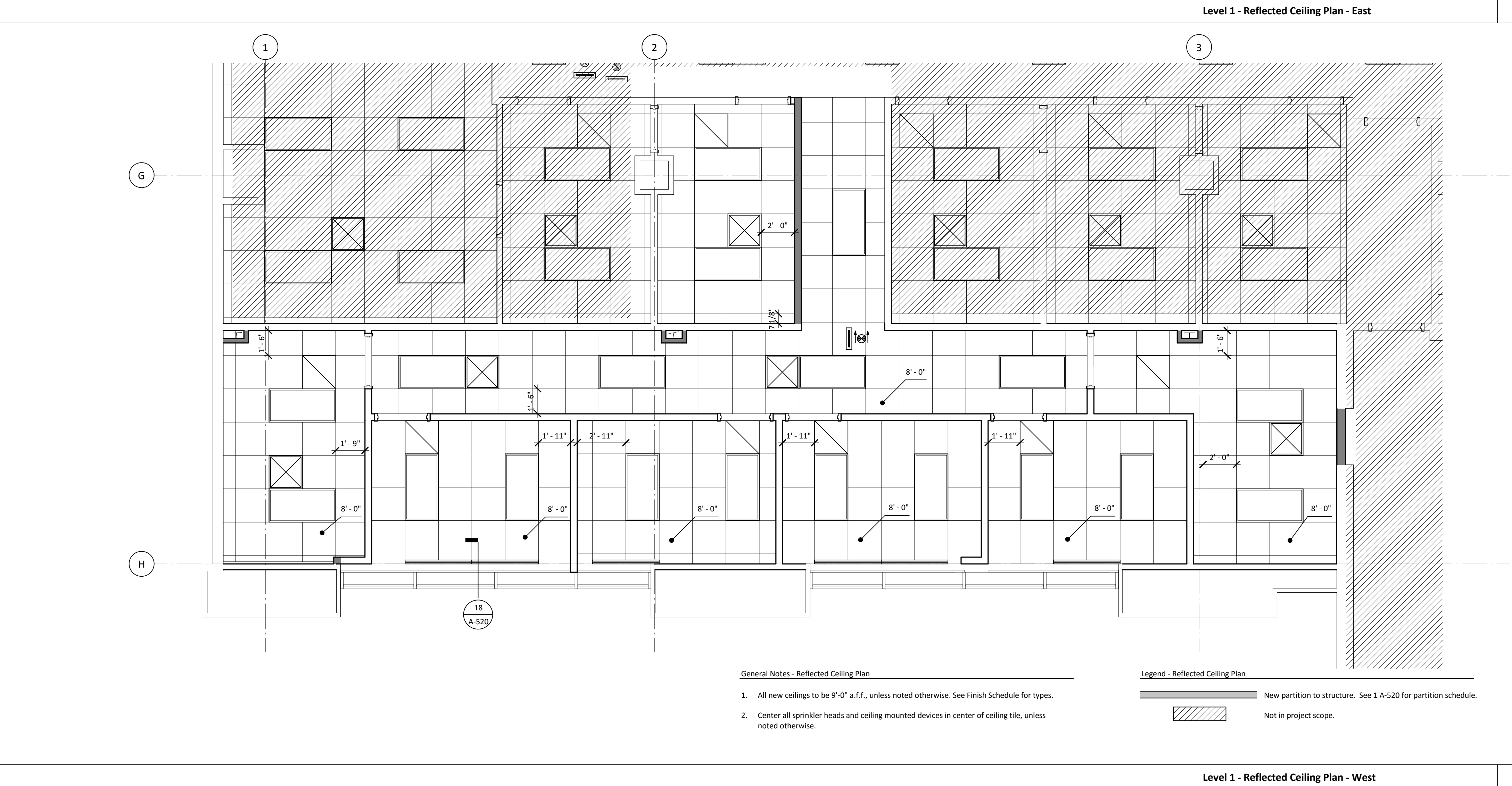
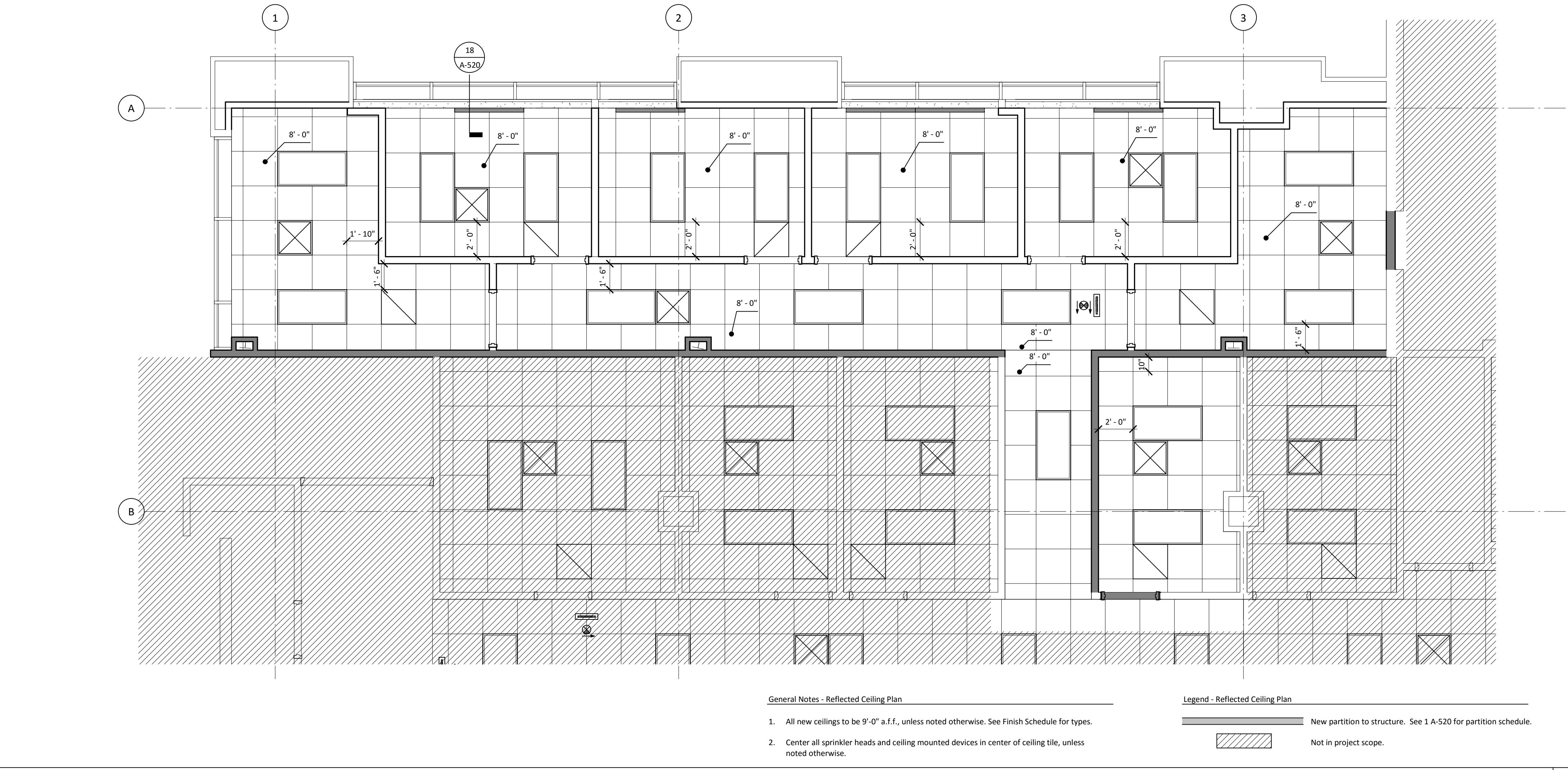
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Issues / Revisions

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**MSB 1st Floor
Infill LRC 3 & 4**



**Reflected Ceiling Plans -
Level 1**

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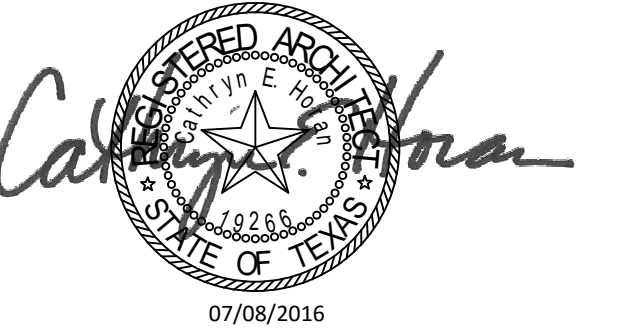
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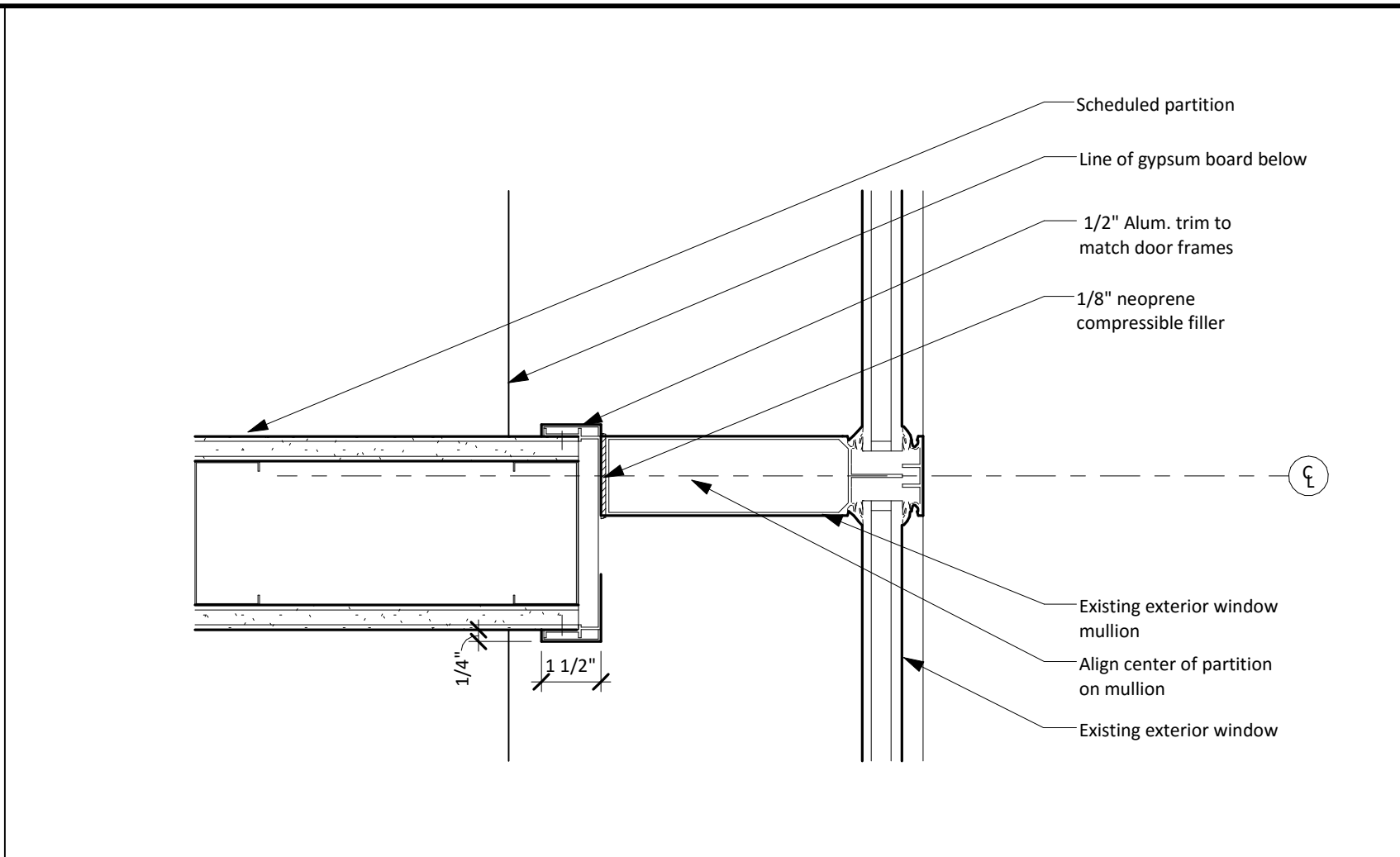
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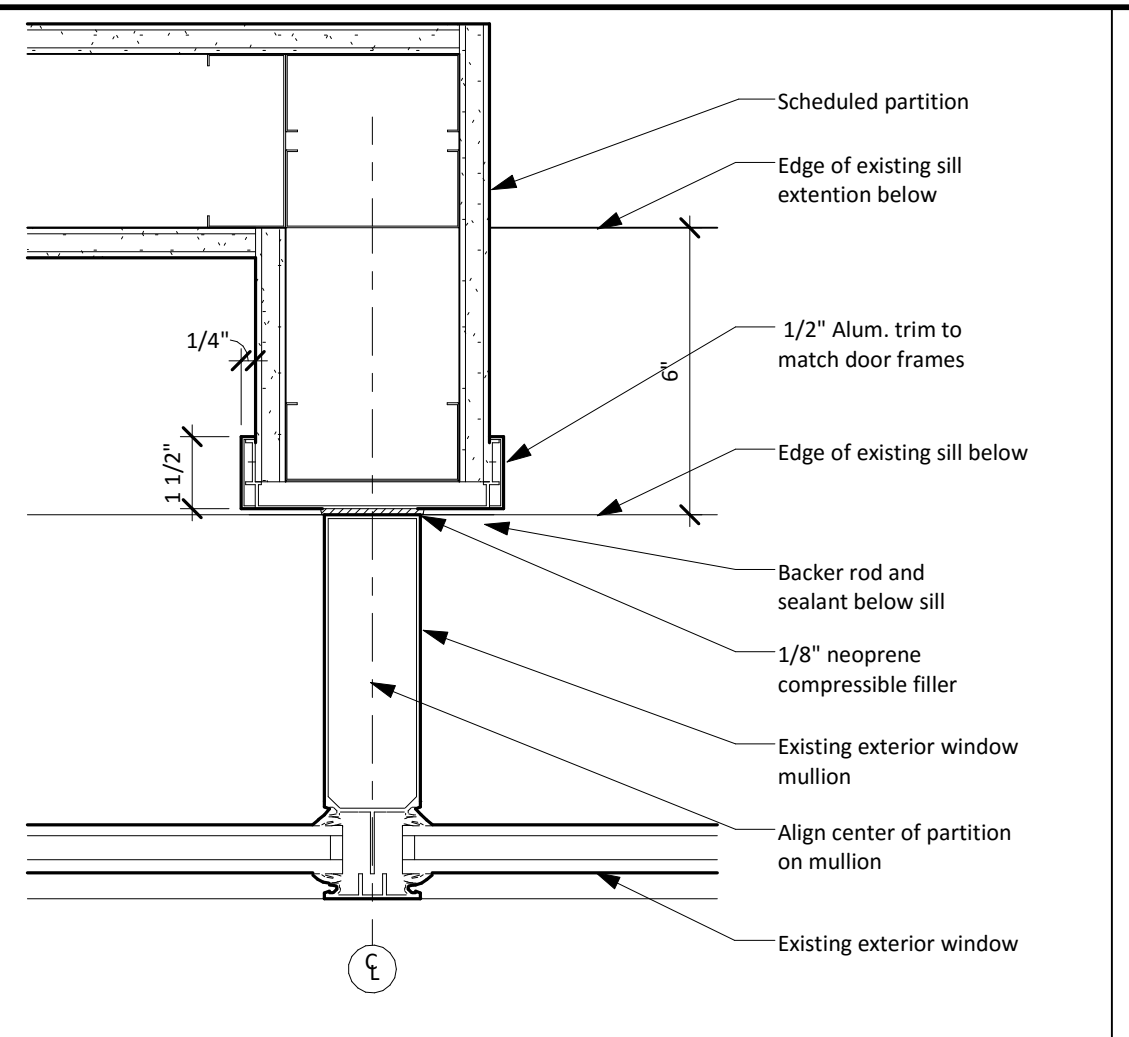
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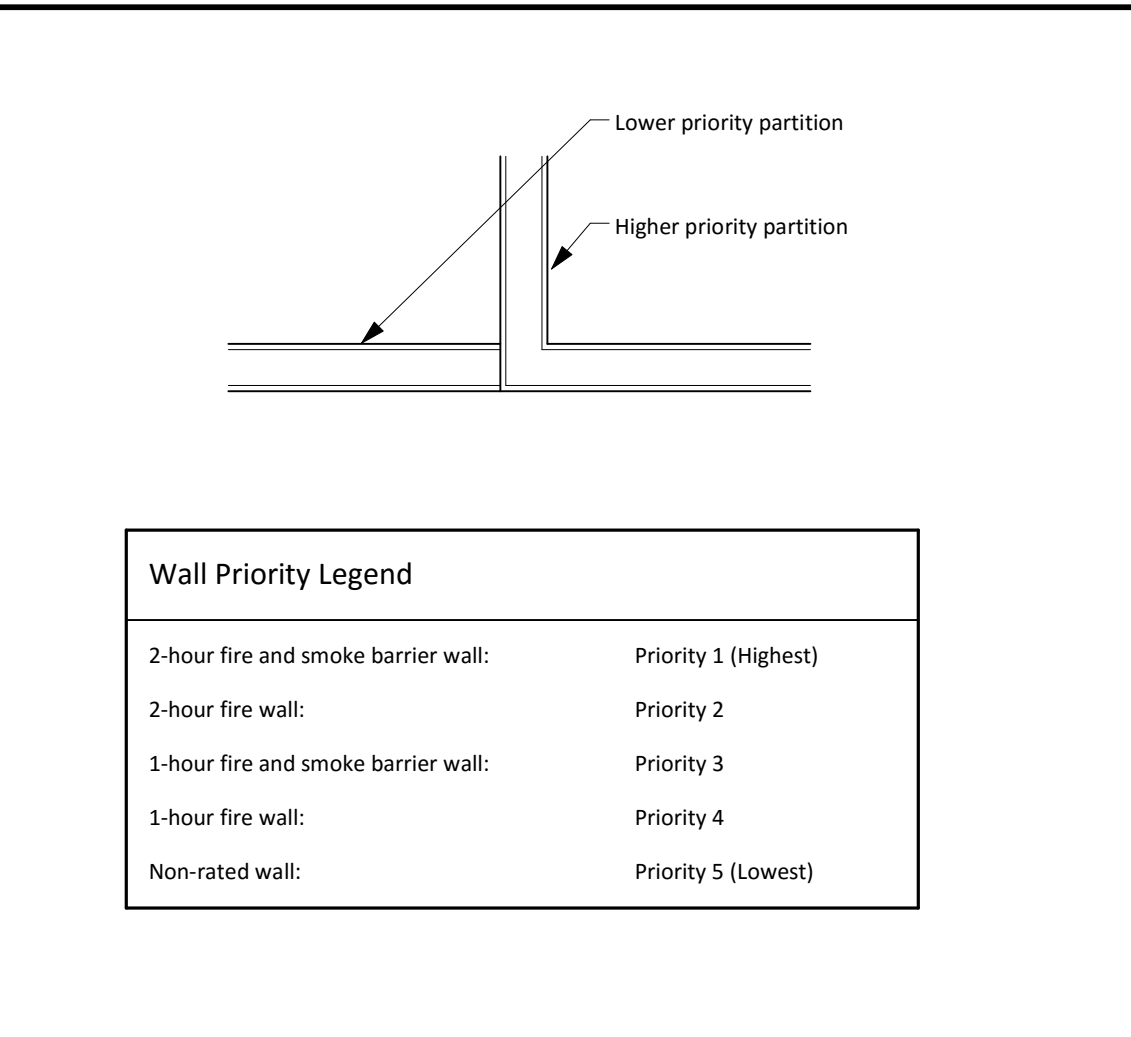
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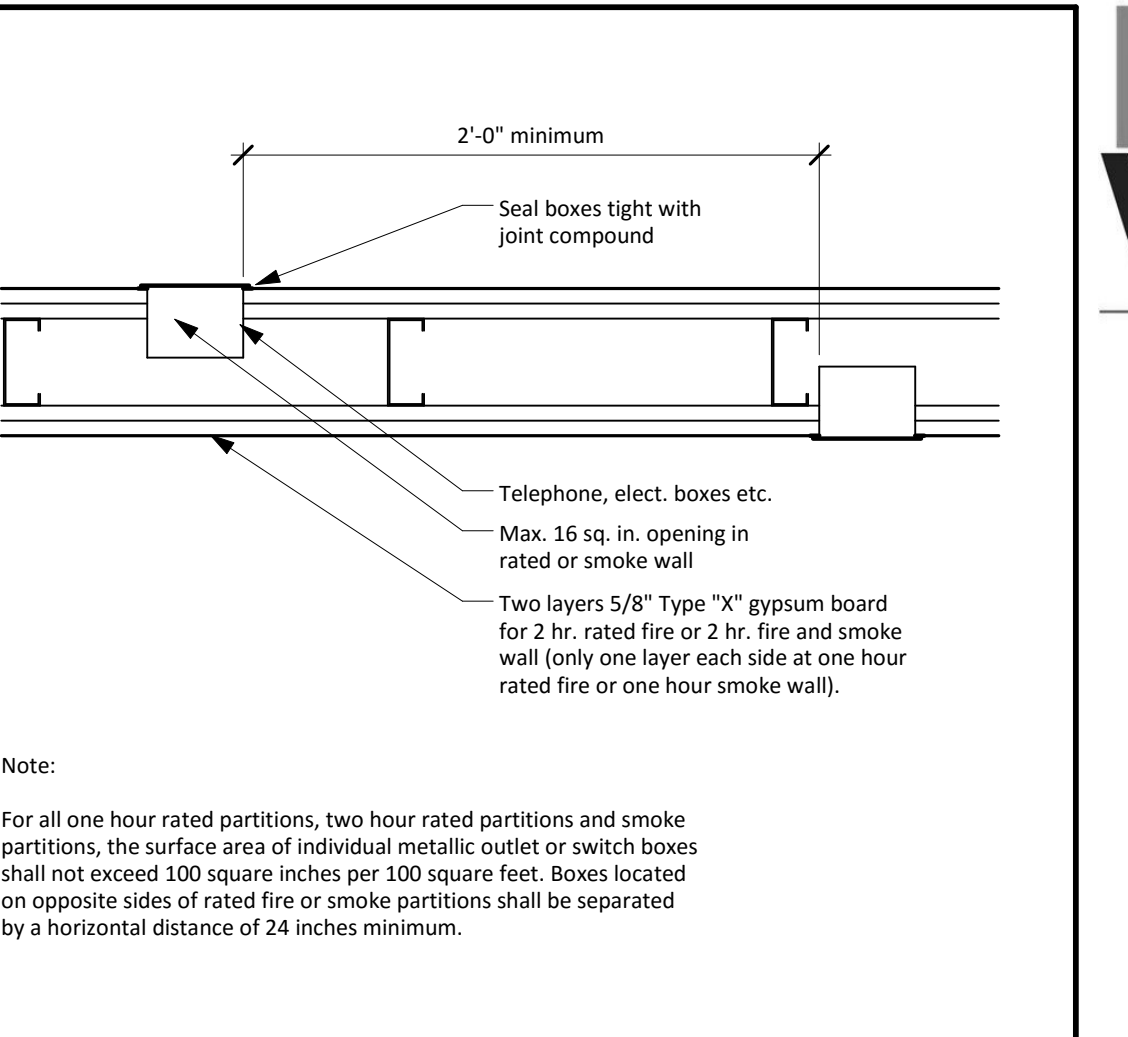
Partition at Mullion Detail 3" x 1'-0" 20



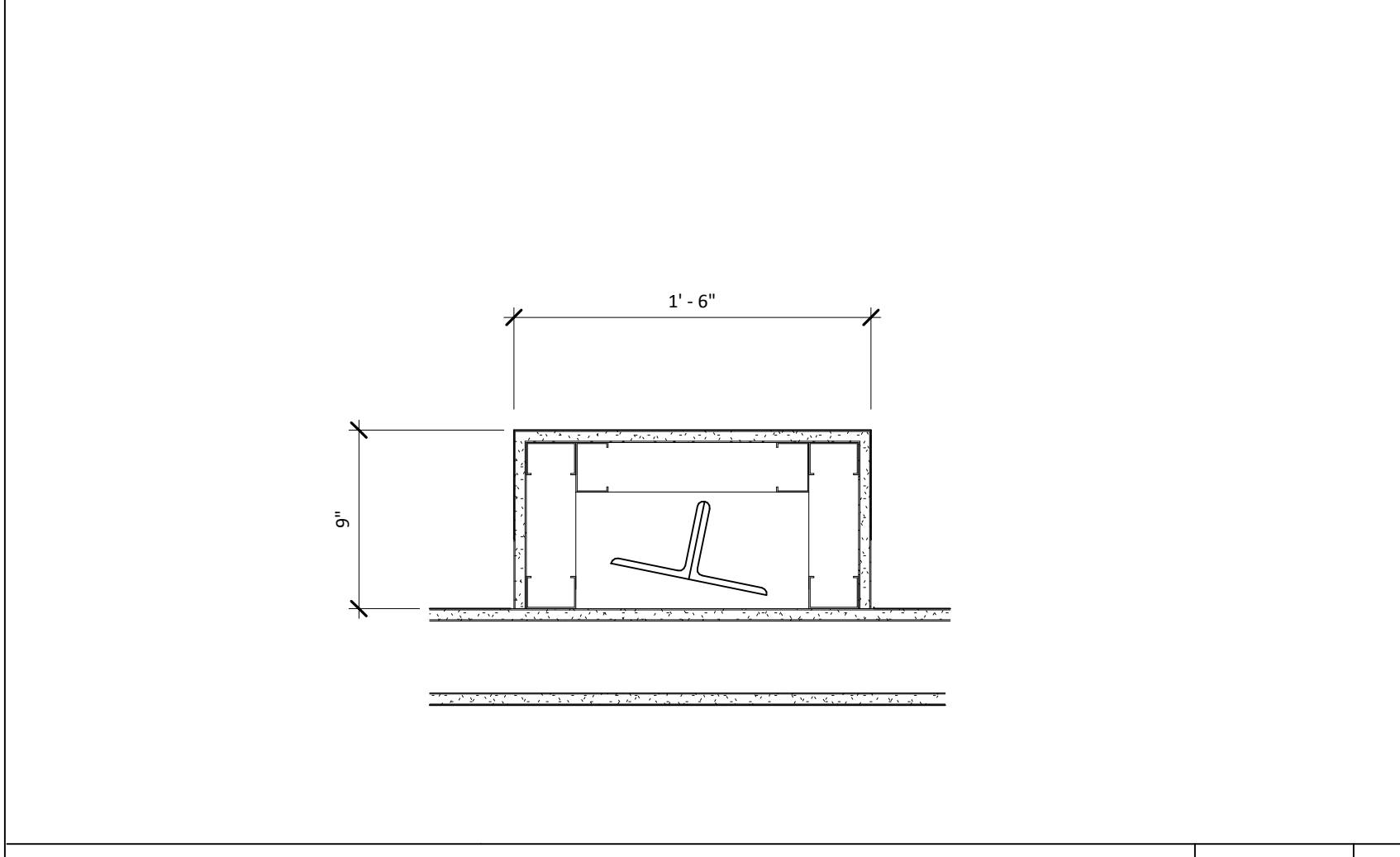
Partition at Mullion Detail 3" x 1'-0" 15



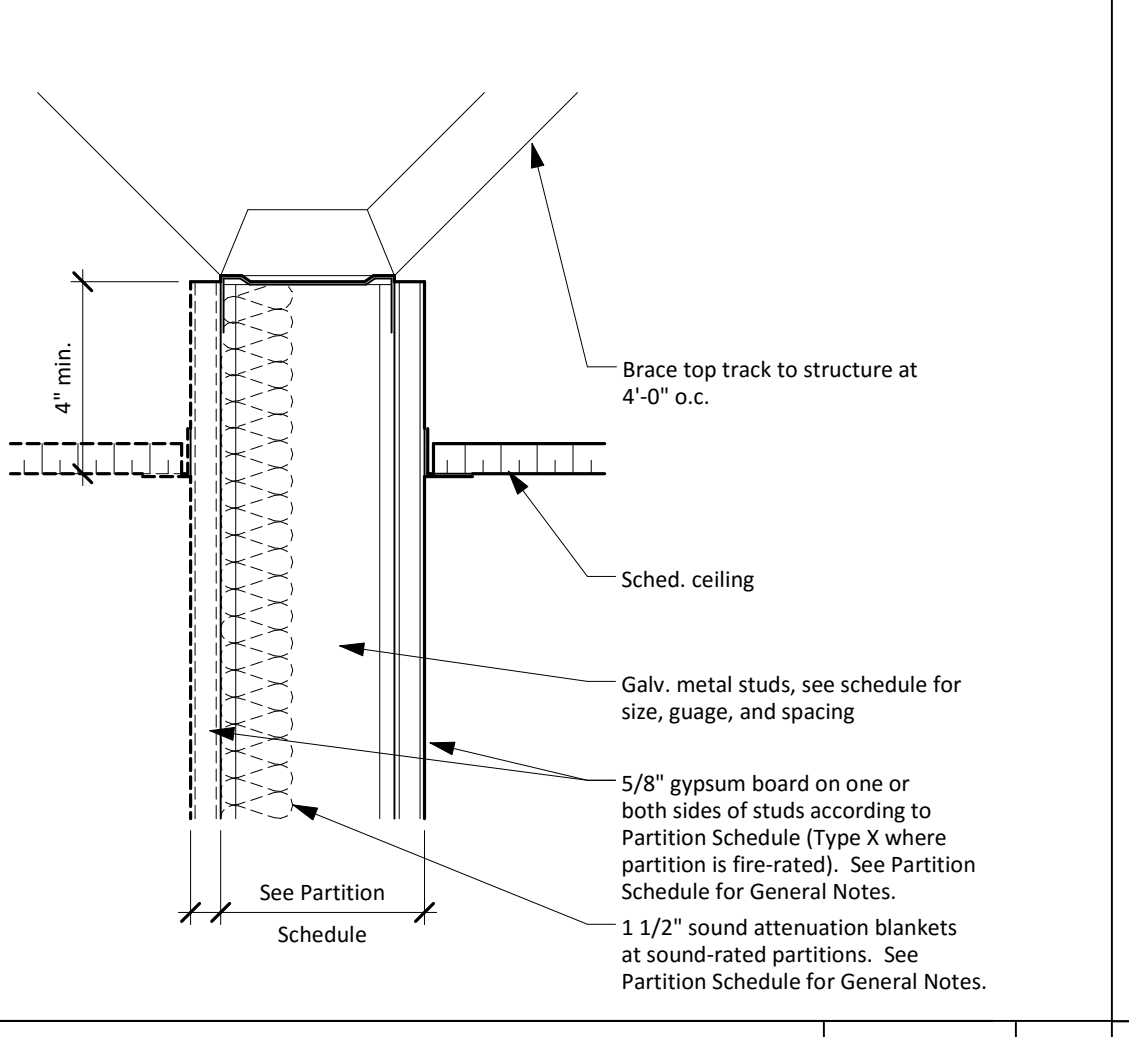
Wall Priority Legend N.T.S. 10



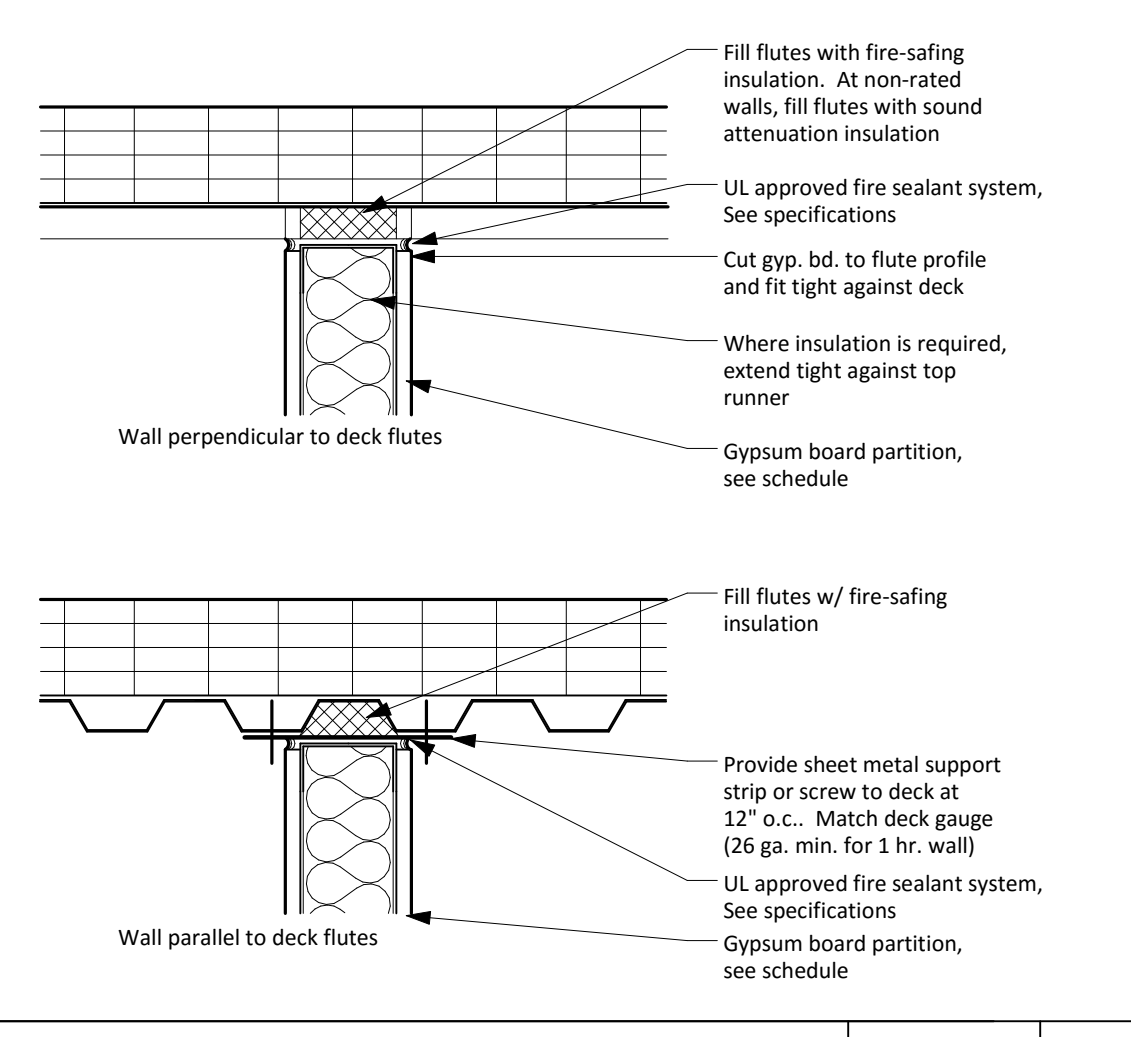
Metallic Boxes in Smoke and Fire-Rated Walls N.T.S. 5



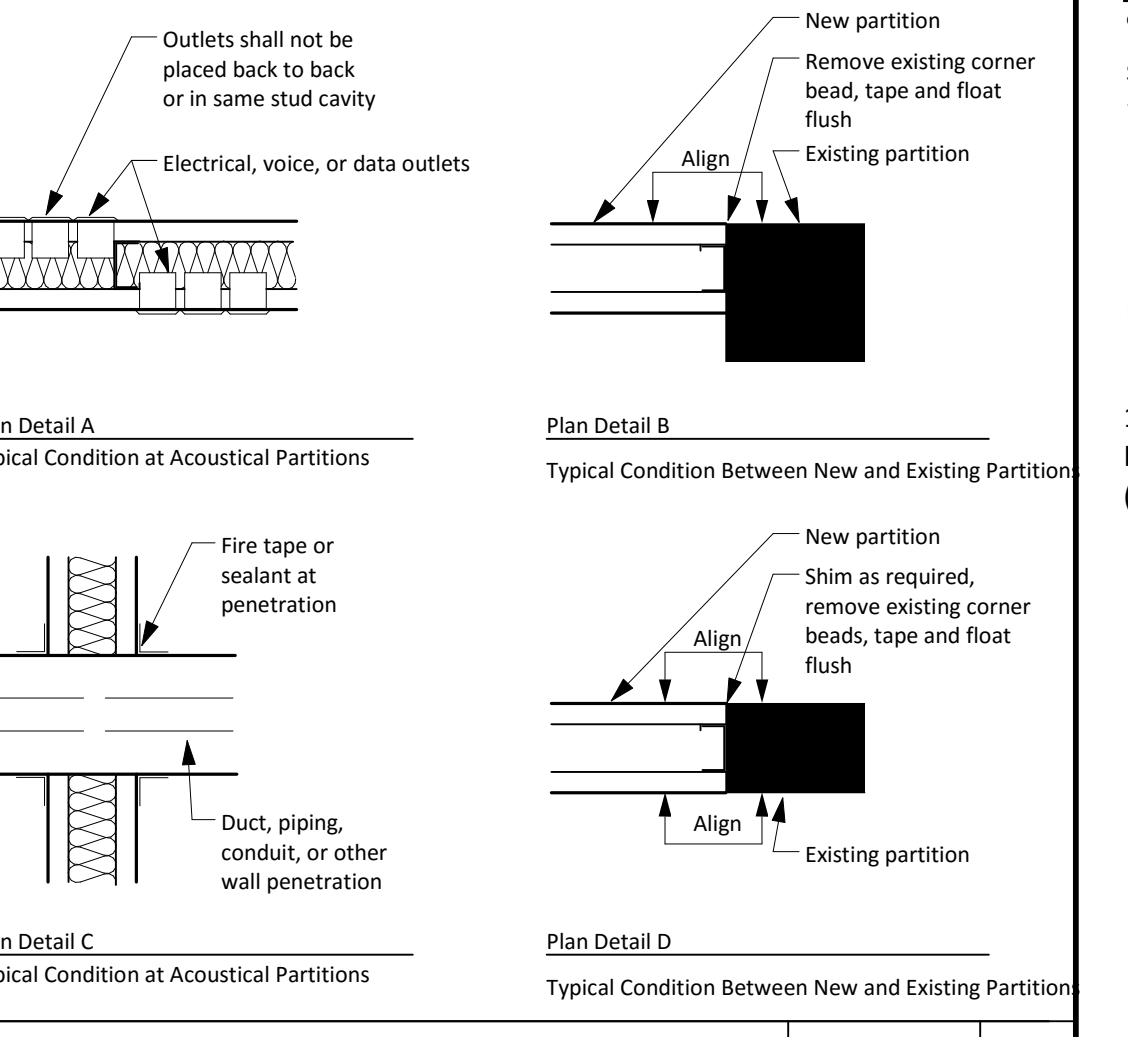
Enlarged Plan - Wall/Wall Expansion Joint Detail 1 1/2" x 1'-0" 19



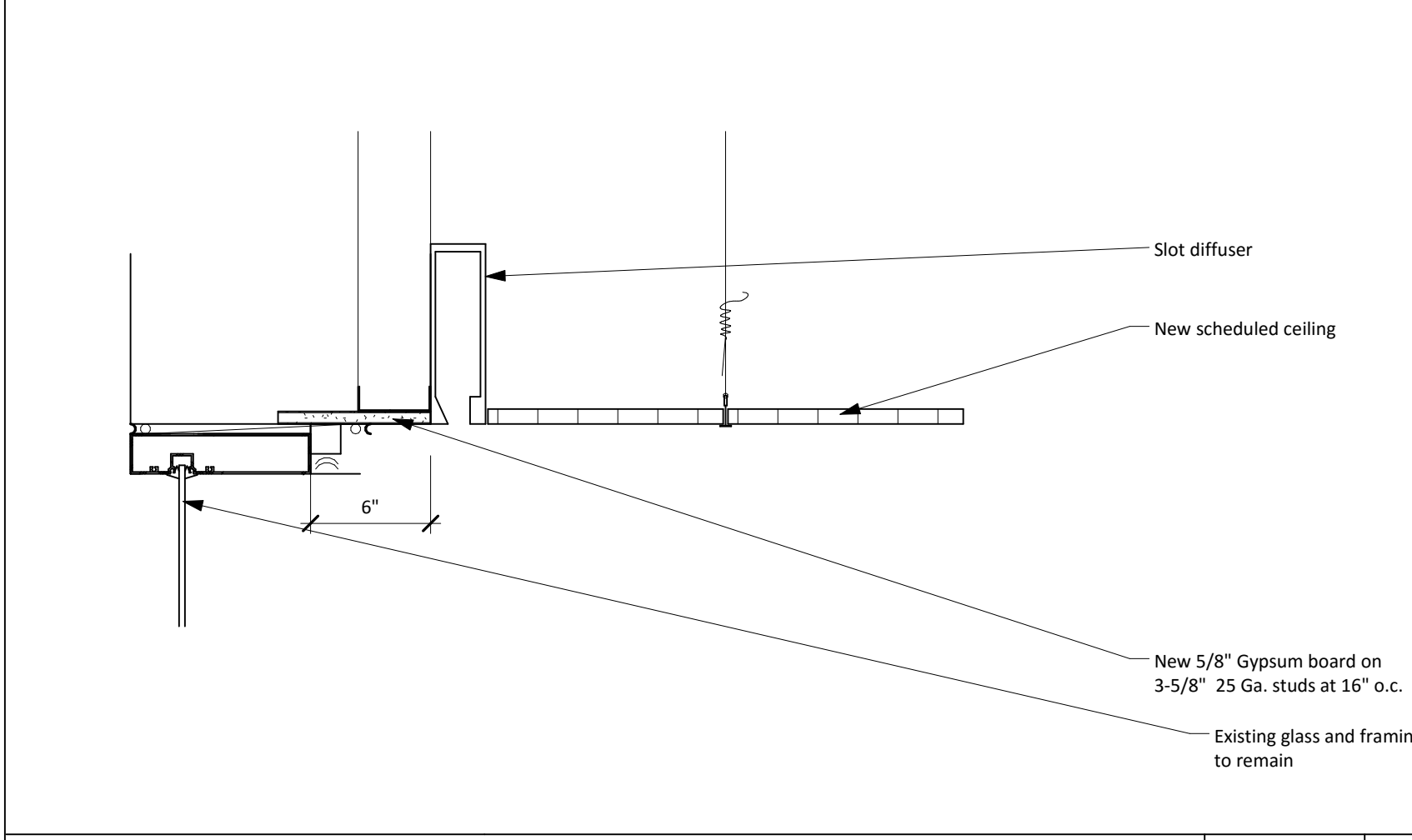
Partition at Ceiling N.T.S. 14



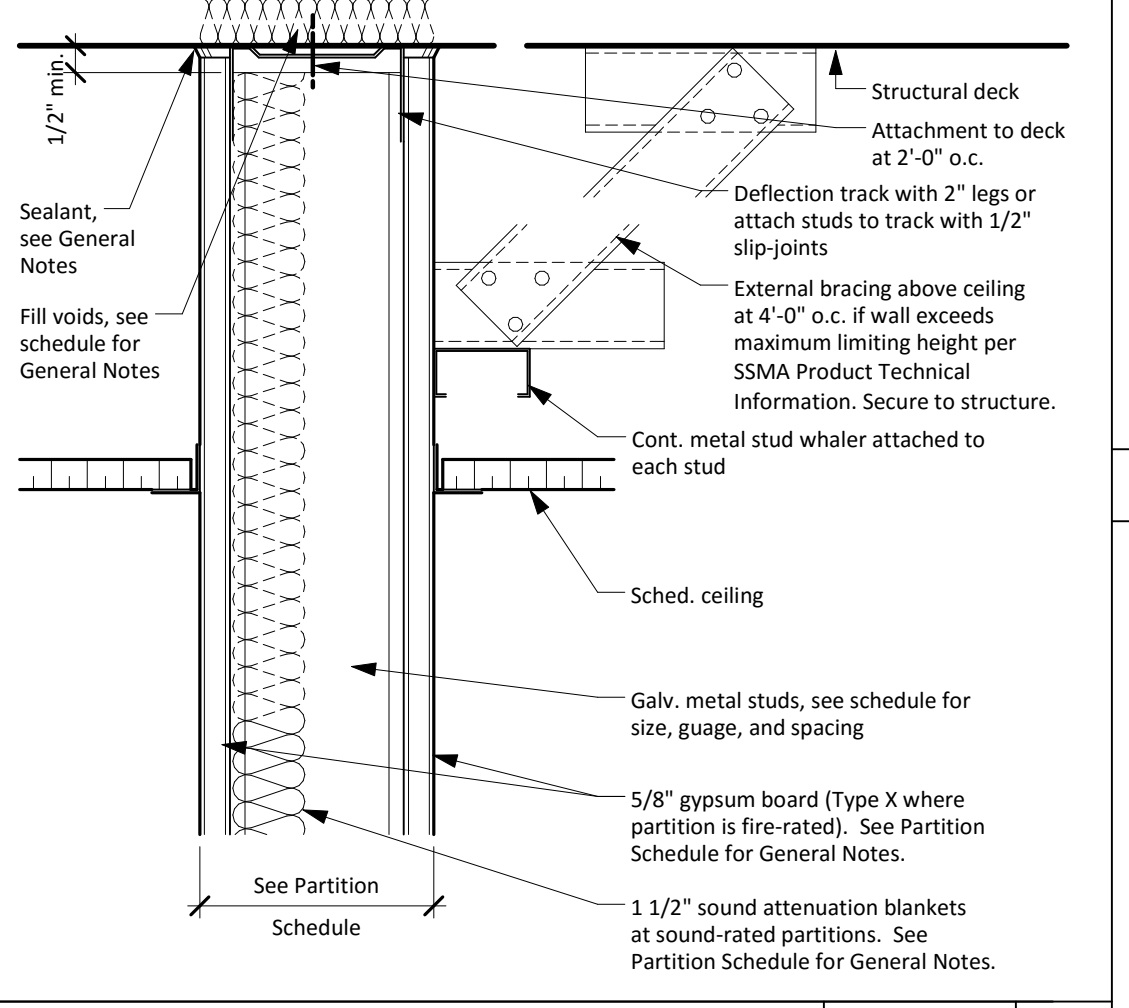
Gypsum Board Partitions at Fluted Metal Deck N.T.S. 9



Typical Partition Details N.T.S. 4



New Ceiling at Existing Curtain Wall 1 1/2" x 1'-0" 18



Partition at Ceiling/Structural Deck N.T.S. 13

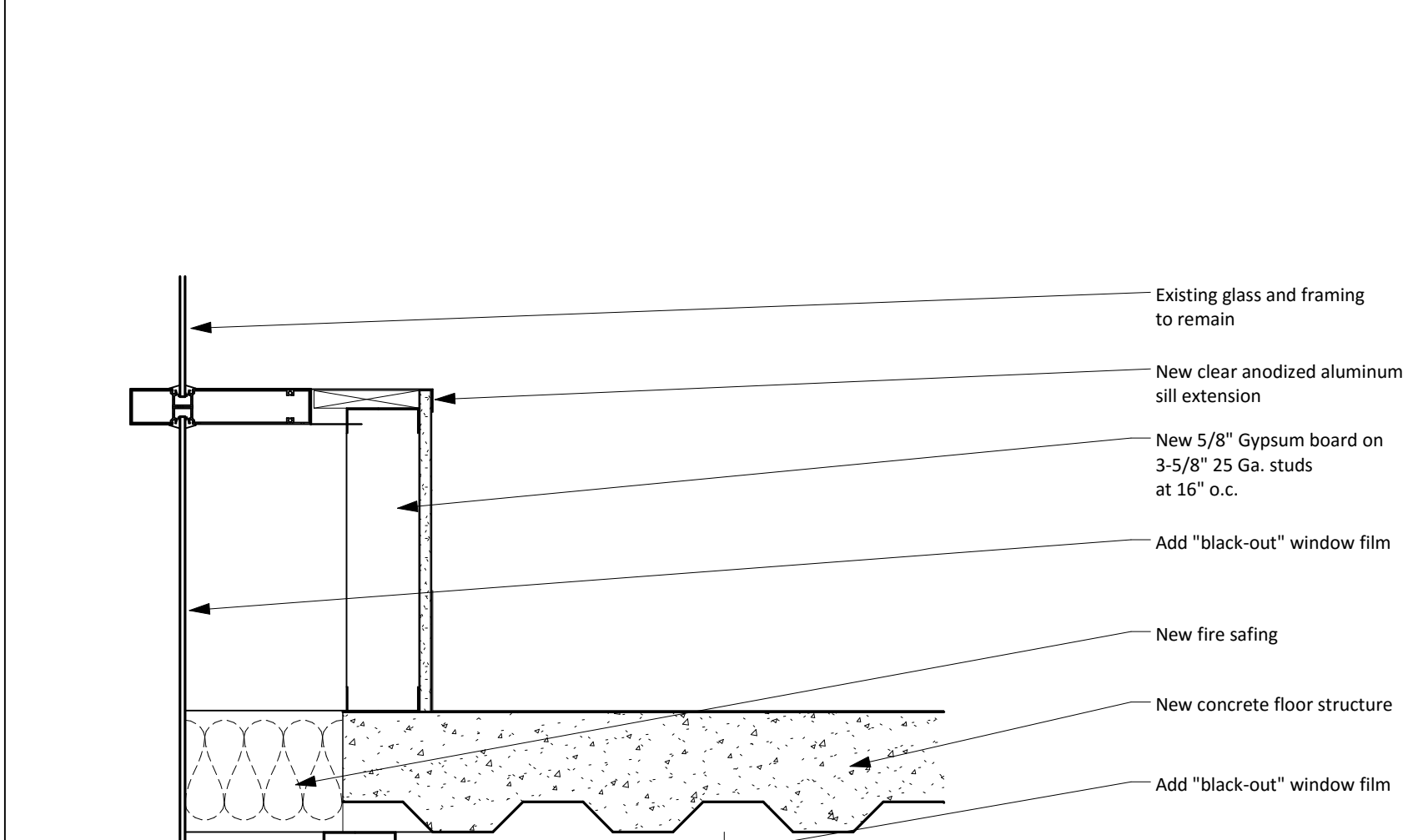
X-HOUR FIRE AND SMOKE BARRIER PROTECT ALL OPENINGS

Paint the following identification above the ceiling, at four-foot intervals, on both sides of all fire-rated walls, demising walls, area separation walls, and smoke compartment walls. Typeface shall be in 2" high letters in bright orange or red paint. Substitute the the hour-rating of the partition for the letter "X" shown below. Omit the words "AND SMOKE" for partitions that are fire barriers only. Stenciling is acceptable:

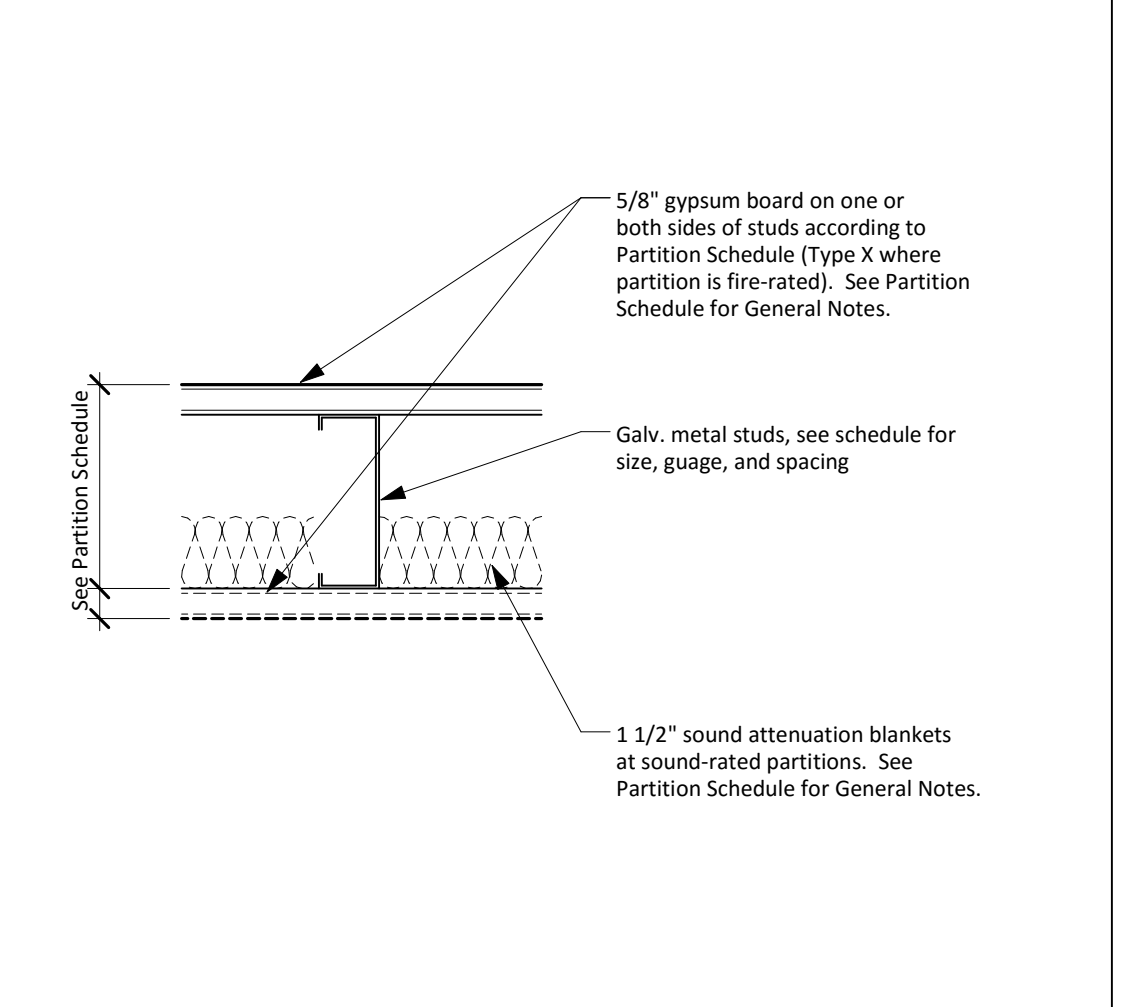
Labeling for Smoke and Fire Walls

PARTITION TYPE LEGEND (Not all types occur in Project)	
Design Diagram	B, C, E, P
Structure	
Ceiling	
Floor	

Type Mark	Description	Thickness	Stud/Block Size	Stud Thickness (mil)	Stud Spacing	Limiting Height	Fire Rating		Details				
							Rating	Design No.	STC	Section at Floor	Plan	Ceiling/Structure	
B2S	Partition to 4" above ceiling	4 7/8"	3 5/8"	18	2'-0"	13'-5"	-	-	47	11 A-520	12 A-520	15 A-520	-
C	Stud Wall to structure	5"											
C2	Partition to structure (non-rated)	4 7/8"	3 5/8"	18	2'-0"	13'-5"	-	-	40	11 A-520	12 A-520	13 A-520	-
C2S	Partition to structure (non-rated)	4 7/8"	3 5/8"	18	2'-0"	13'-5"	-	-	47	11 A-520	12 A-520	13 A-520	-
E2	Partition to structure (2-hour rated)	6 1/8"	3 5/8"	30	1'-4"	15'-6"	2-Hour	UL U411	48	21 A-520	22 A-520	23 A-520	16 G-102
P1	One-sided partition to 4" above ceiling	3 1/8"	2 1/2"	18	1'-4"	0"	-	-	N/A	11 A-520	12 A-520	15 A-520	-
P2	One-sided partition to 4" above ceiling	4 1/4"	3 5/8"	18	2'-0"	0"	-	-	N/A	11 A-520	12 A-520	15 A-520	-



New Floor at Existing Curtainwall Detail - West 1 1/2" x 1'-0" 16



Partition Detail N.T.S. 12

Partition Type Schedule

Type Mark	Description	Thickness	Stud/Block Size	Stud Thickness (mil)	Stud Spacing	Limiting Height	Fire Rating		Details				
							Rating	Design No.	STC	Section at Floor	Plan	Ceiling/Structure	
B2S	Partition to 4" above ceiling	4 7/8"	3 5/8"	18	2'-0"	13'-5"	-	-	47	11 A-520	12 A-520	15 A-520	-
C	Stud Wall to structure	5"											
C2	Partition to structure (non-rated)	4 7/8"	3 5/8"	18	2'-0"	13'-5"	-	-	40	11 A-520	12 A-520	13 A-520	-
C2S	Partition to structure (non-rated)	4 7/8"	3 5/8"	18	2'-0"	13'-5"	-	-	47	11 A-520	12 A-520	13 A-520	-
E2	Partition to structure (2-hour rated)	6 1/8"	3 5/8"	30	1'-4"	15'-6"	2-Hour	UL U411	48	21 A-520	22 A-520	23 A-520	16 G-102
P1	One-sided partition to 4" above ceiling	3 1/8"	2 1/2"	18	1'-4"	0"	-	-	N/A	11 A-520	12 A-520	15 A-520	-
P2	One-sided partition to 4" above ceiling	4 1/4"	3 5/8"	18	2'-0"	0"	-	-	N/A	11 A-520	12 A-520	15 A-520	-

Partition Type Legend and Schedule

Type Mark	Description	Thickness	Stud/Block Size	Stud Thickness (mil)	Stud Spacing	Limiting Height	Fire Rating	Design No.	STC	Section at Floor	Plan	Ceiling/Structure	Design Test	Notes
B2S	Partition to 4" above ceiling	4 7/8"	3 5/8"	18	2'-0"	13'-5"	-	-	47	11 A-520	12 A-520	15 A-520	-	
C	Stud Wall to structure	5"												
C2	Partition to structure (non-rated)	4 7/8"	3 5/8"	18	2'-0"	13'-5"	-	-	40	11 A-520	12 A-520	13 A-520	-	
C2S	Partition to structure (non-rated)	4 7/8"	3 5/8"	18	2'-0"	13'-5"	-	-	47	11 A-520	12 A-520	13 A-520	-	
E2	Partition to structure (2-hour rated)	6 1/8"	3 5/8"	30	1'-4"	15'-6"	2-Hour	UL U411	48	21 A-520	22 A-520	23 A-520	16 G-102	
P1	One-sided partition to 4" above ceiling	3 1/8"	2 1/2"	18	1'-4"	0"	-	-	N/A	11 A-520	12 A-520	15 A-520	-	
P2	One-sided partition to 4" above ceiling	4 1/4"	3 5/8"	18	2'-0"	0"	-	-	N/A	11 A-520	12 A-520	15 A-520	-	

- General Notes**
- All interior partitions are Type B2 unless noted otherwise.
 - Allowable deflection for all partitions shall be L/240 with a horizontal load of 5 psf, except as noted in individual partition types. The Contractor shall decrease the stud spacing or increase the stud thickness noted to insure partitions forming the substrate for brittle finishes such as ceramic tile meet an allowable deflection criteria of L/360 with a horizontal load of 5 psf.
 - Where partitions are noted to be fire-rated:
 - Provide 5/8" Type X fire-resistive gypsum board.
 - Where partitions meet fluted metal deck or similarly irregular surfaces, seal the partition with safting insulation and sealant as shown in detail 9 A-520 and in accordance with the reference design.
 - Sound-Rated Partitions:
 - Sound-rated partitions and partitions with thermal insulation are indicated with the suffix "S" (Example: A1S). Refer to the floor plans for locations.
 - Provide 1-1/2" thick, glass-fiber sound attenuation blankets unless noted otherwise.
 - Fill all deck voids or similarly irregular surfaces, with insulation and sealant as shown in detail 9 A-520.
 - Seal partition perimeter and all penetrations with acoustical sealant or tape and insulation to fill voids.
 - Arrange back-boxes for electrical, data, telephone, and other outlets as shown in detail 4 A-520.
 - Where sound-rated partitions are also fire-rated, seal partition and fill voids as required for fire rating.
 - Nails shall comply with ASTM F 547 or ASTM C514. Screws shall meet the requirements of ASTM C 1002 or ASTM C 954.
 - Unless otherwise required by reference designs for fire-rated partitions, fasteners shall be spaced 8" o.c. along at vertical joints and 12" o.c. at floor and ceiling runners and intermediate studs. Space all fasteners in panels that are substrates for brittle finishes, such as ceramic tile or stone, a maximum of 8" o.c.
 - Joints in multi-layer gypsum board partitions shall be staggered 24" on each side and on opposite sides.
 - Metallic outlet boxes shall be installed in walls or partitions classified as having a fire-resistance of two-hours or less. The surface area of individual boxes shall not exceed 10 square inches. The aggregate surface area of the boxes shall not exceed 100 square inches in any 100 square feet. Boxes located on opposite sides of walls or partitions shall be separated by a minimum horizontal distance of 24 inches. See detail 5 A-520.
 - Fiberglass-mat faced, silicified gypsum-core boards shall be installed over or as part of the fire-resistance rated system in shower and tub areas to receive brittle finishes such as ceramic tile or plastic finished wall panels. When fire or sound ratings are indicated, the gypsum board required for the rating shall extend down to the floor behind fixtures.
 - Label all fire-rated and smoke compartment walls or partitions above finished ceiling as shown on detail 3 A-520.
 - Install penetration seals at all penetrations through fire-rated and smoke compartment walls or partitions in accordance with Specifications Section 07 84.00. See details 16, 17, 19, 21, 23, 26, and 28 G-102 for reference designs of penetration seal systems based upon the penetrating element.
 - Accurately align new and existing partitions in the same plane when shown on the Floor Plans. See detail 4 A-520.
 - Maintain the fire or sound rating of partitions at all intersections. Maintain the construction of the highest rated partition where partitions of two different ratings meet. See the Wall Priority Legend - detail 10 A-520.

Issue/Revision

No.	Date	Description
	07/08/2016	Issue for Construction

Project

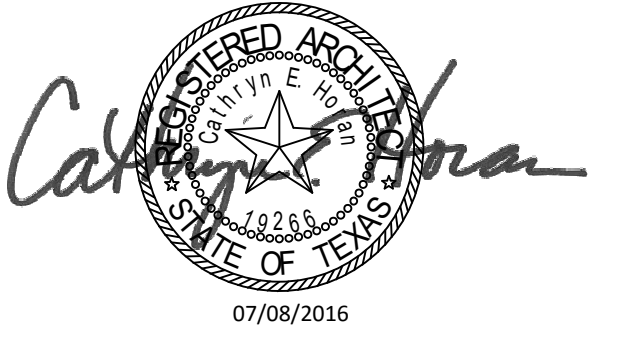
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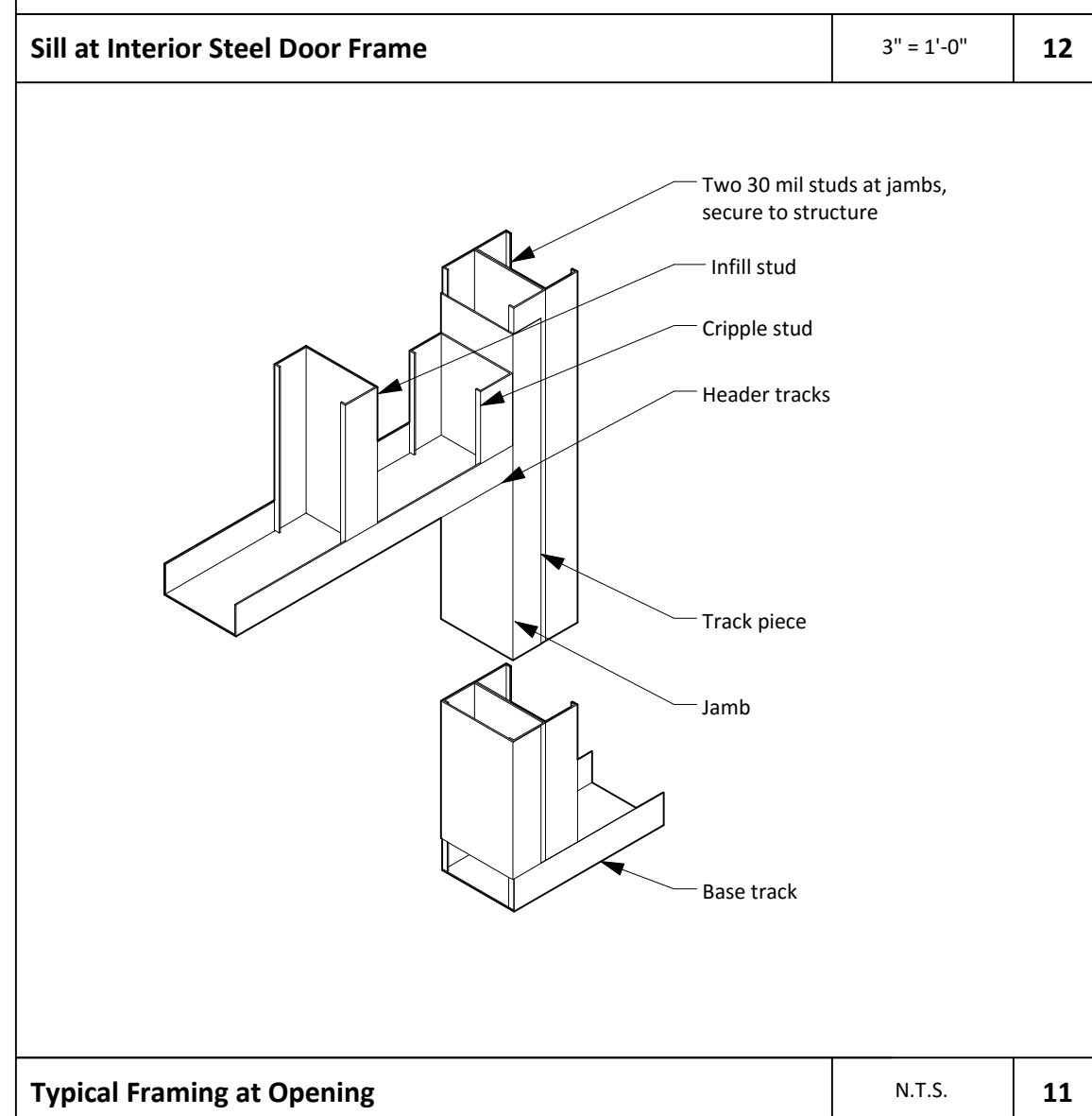
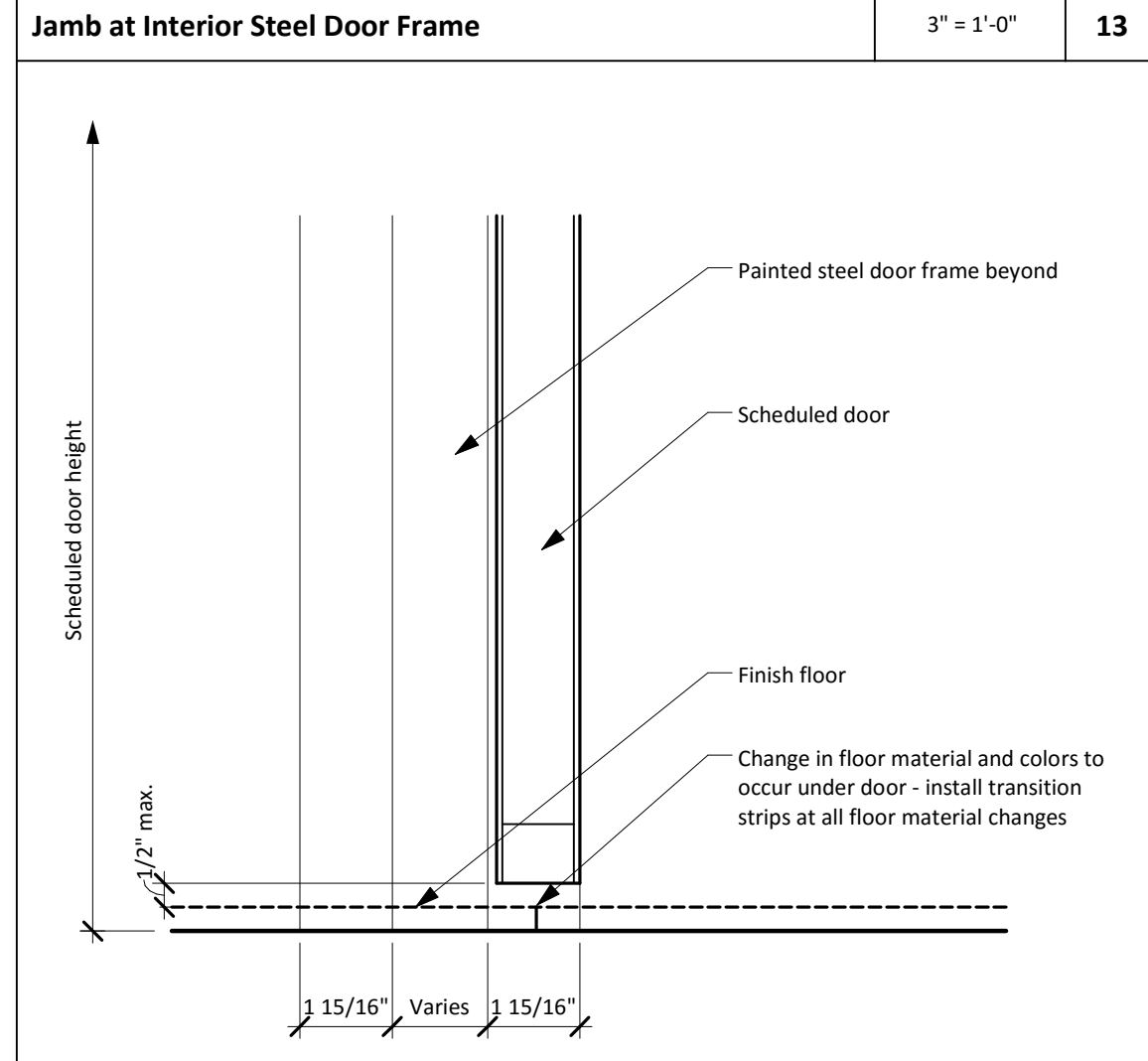
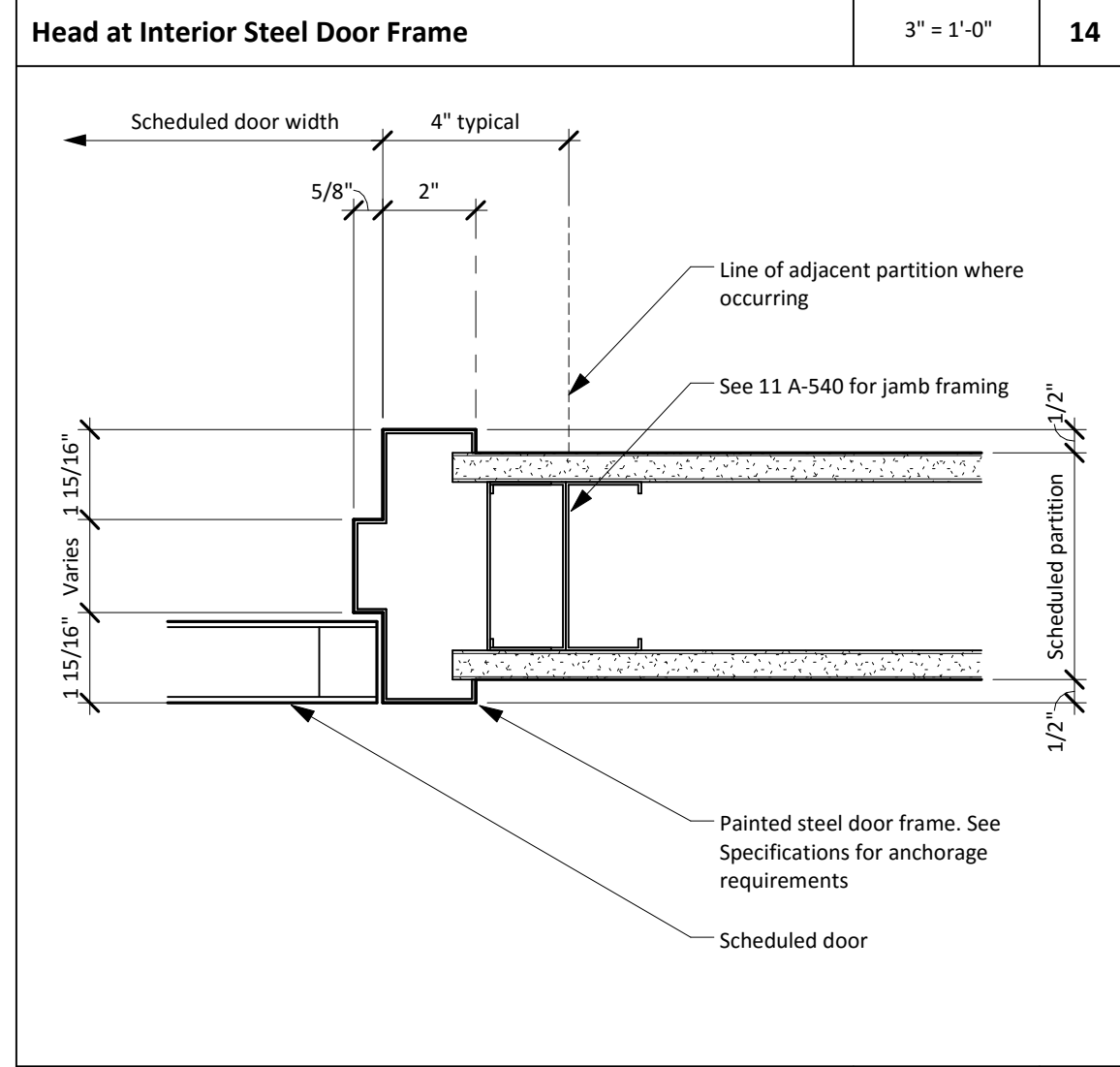
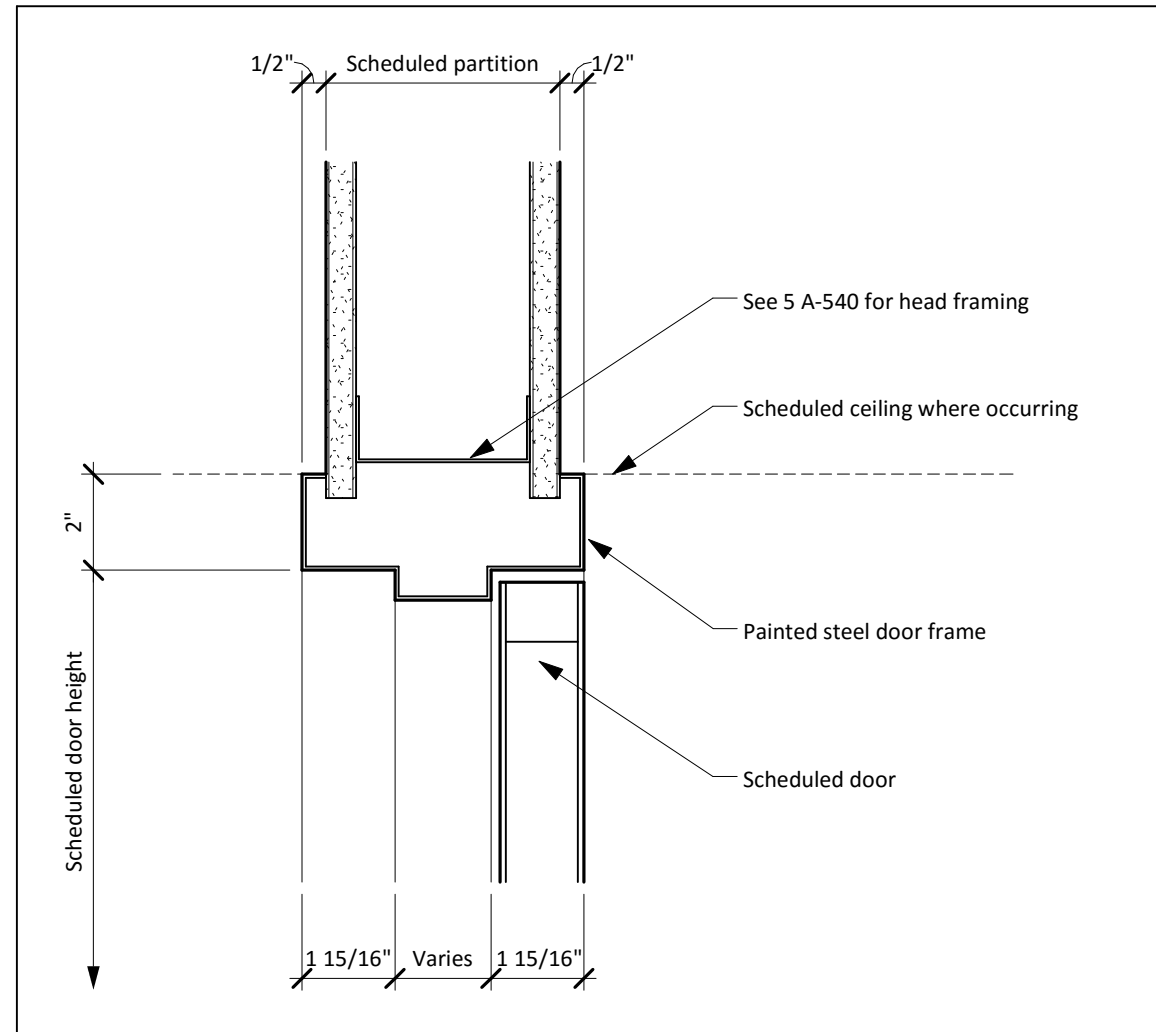
Partition Types and Interior Construction Details

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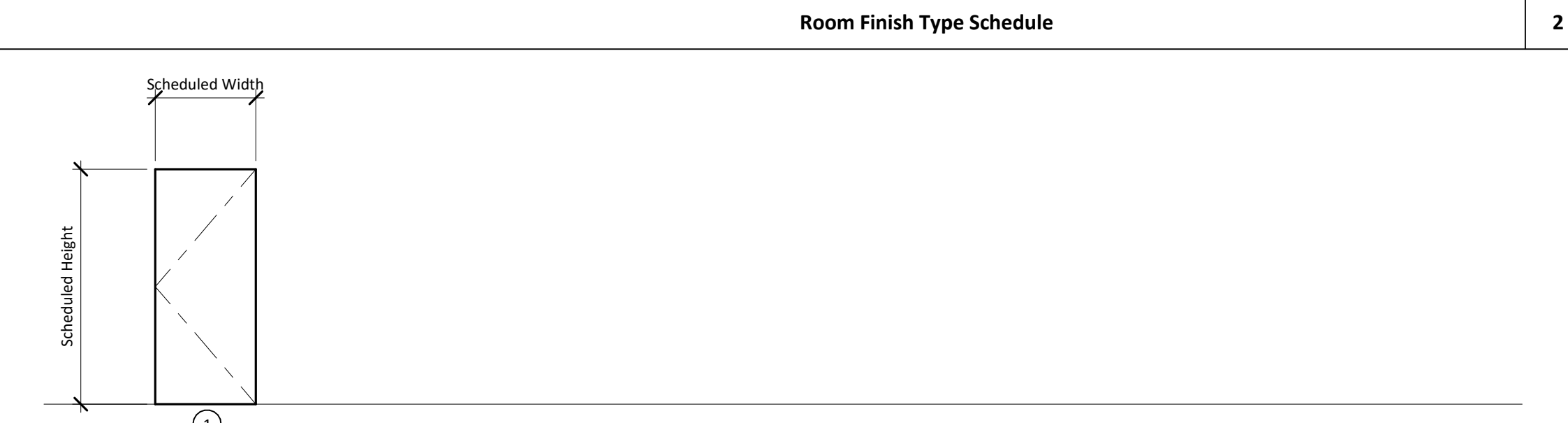
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Type Mark	Description	Manufacturer	Pattern/Line	Color	Notes
Floors					
CPT1	Carpet	Shaw	57342 Connect	40150 Necessities	
VCT1	Vinyl composition tile	Mannington	Essentials		
Base					
RBC	Rubber base, cove	Roppe		P193 Black/Brown	
Walls					
PT1	Paint	Shewin Williams	Eggshell	SW7012 Creamy	
Ceilings					
ACT1	Acoustical ceiling tile, 2' X 2'	Eurostone		8602-01	
ACT2	Acoustical ceiling tile, 2' X 4'	Armstrong		7636	
Misc/Trim					
-	NO MATERIAL				
Millwork					
-	NO MATERIAL				
Doors					
WV	Wood Veneer	VT Industries	Red Oak Veneer	Alpine AL07	
Frames					
FPT1	Paint (frame)	Match color of existing door frame paint		Match color of existing door frame paint	

Room Finish Type Schedule								
Finish Type Mark	Floor	Base	Wall	Ceiling	Misc/Trim	Door	Frame	Notes
F1	CPT1	RBC	PT1	ACT2	-	WV	FPT1	
F2	VCT1	RBC	PT1	ACT2	-	-	-	



Door Type Schedule														
Type	Description	Door						Frame			Fire Rating (min.)	Notes		
		Width	Height	Thick	Elev. No.	Mat'l	Finish	Mat'l	Finish	Sill Detail				
A00	Interior flush door	3'-0"	7'-0"	1 3/4"	1	Wood	DPL	Steel	FPT1	11 A-540	13 A-540	12 A-540	-	

General Notes
1. See detail 11 A-540 for stud framing around door opening.

HW SET-01 Office
Each to have:

-3 EA	Hinge	4 1/2"x4 1/2" TA2714	652	MCK
-1 EA	Entrance Lock	93K7AB14D53-626		BES
-1 EA	FSC Core Only			
-1 EA	Door Stop	406	630	RCK
-3 EA	Silencers	609		Grey RCK

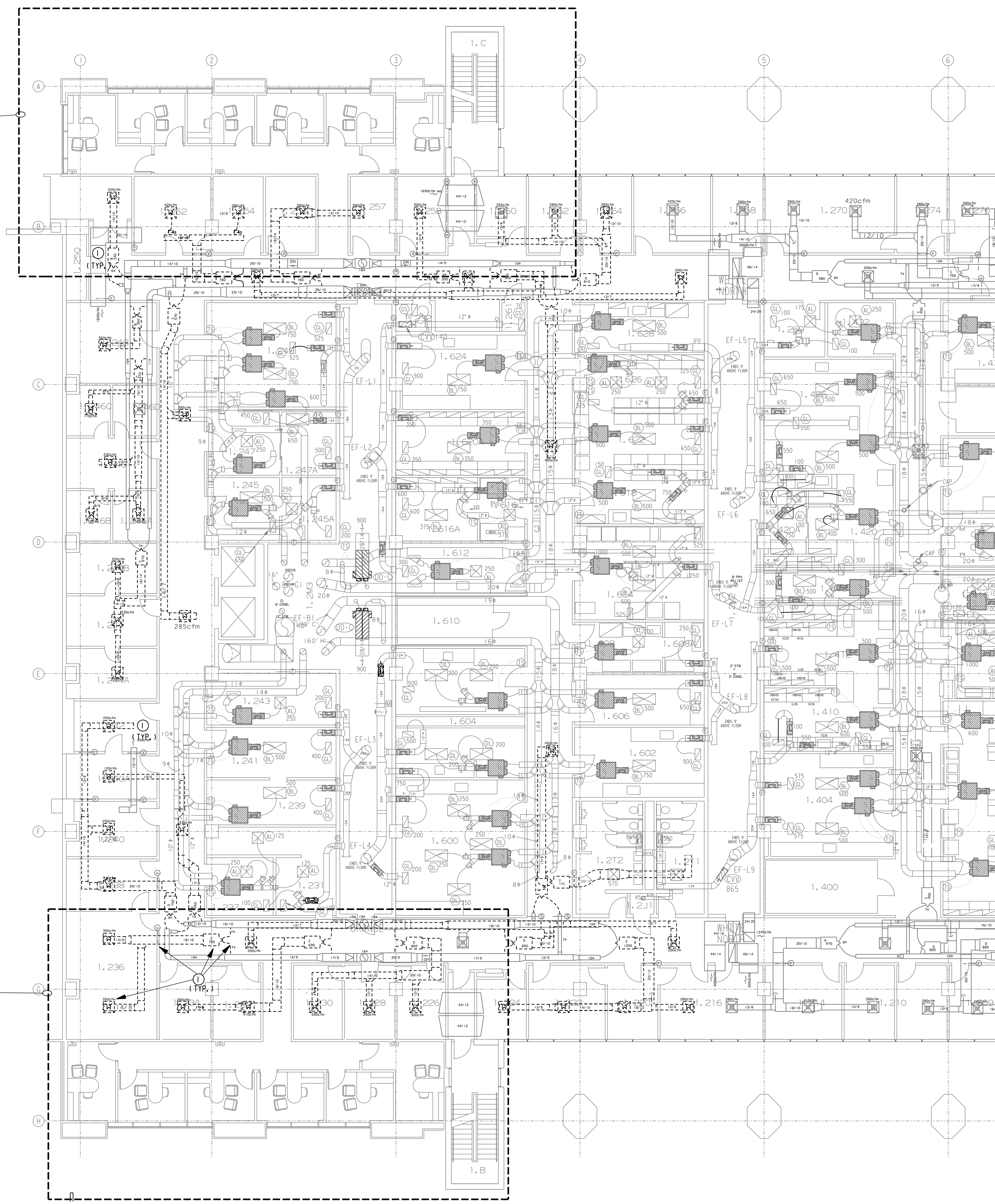
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MSB 1st Floor Infill LRC 3 & 4



Door and Window Details

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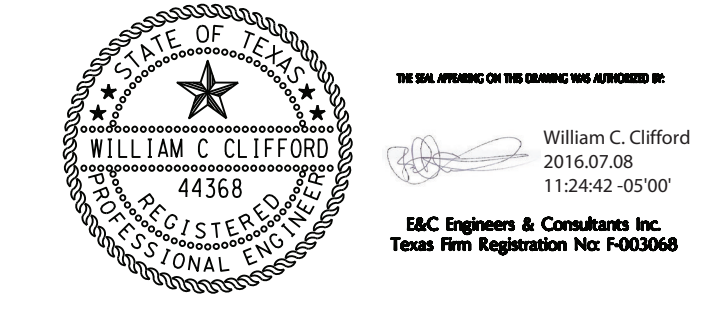
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M1.01A

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M1.01A

- GENERAL NOTES:**
- A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
 - B. COORDINATE EXACT DEMOLITION SCOPE WITH EXISTING CONDITIONS AND NOTIFY THE ENGINEER FOR DIRECTION IF EXISTING CONDITIONS DIFFER SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS.
 - C. TEMPORARILY CAP EXISTING DUCTWORK DURING DEMOLITION AS REQUIRED TO ALLOW THE OFFICE AIR HANDLING UNITS TO REMAIN IN OPERATION.
- DRAWING NOTES:**
- 1 REMOVE EXISTING DASHED HOT AND COLD DUCT CONNECTIONS, DOUBLE DUCT TERMINAL UNIT, SUPPLY DUCT AND AIR DEVICES. EXISTING HOT AND COND TRUNK DUCT TAPS SHALL BE REUSED TO SERVE NEW REPLACEMENT DOUBLE DUCT TERMINAL UNITS. RE: 01/M1.01A, NOTE 1.

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ISSUE / REVISIONS

No.	Date	Description
1	07/08/2016	Issue for Construction

**UT Health MSB
1st Floor Infill
LRC 3 & 4**



**Mechanical
Demolition Plan
First Floor**

01 FIRST FLOOR - MECHANICAL ALTERATION PLAN
SCALE: 1/8" = 1' - 0"

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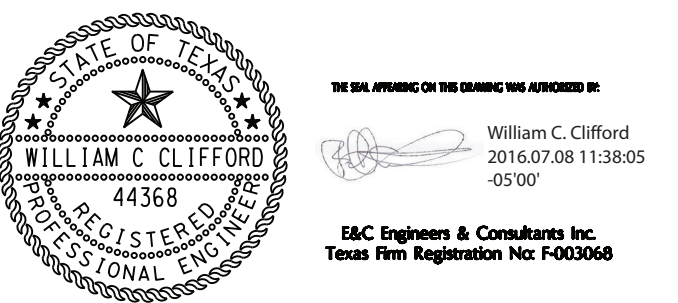
Print Date / Time: 7/8/2016 9:06:57 AM
P&W Commission Number: Sheet Number
3339.00 DM1.01A

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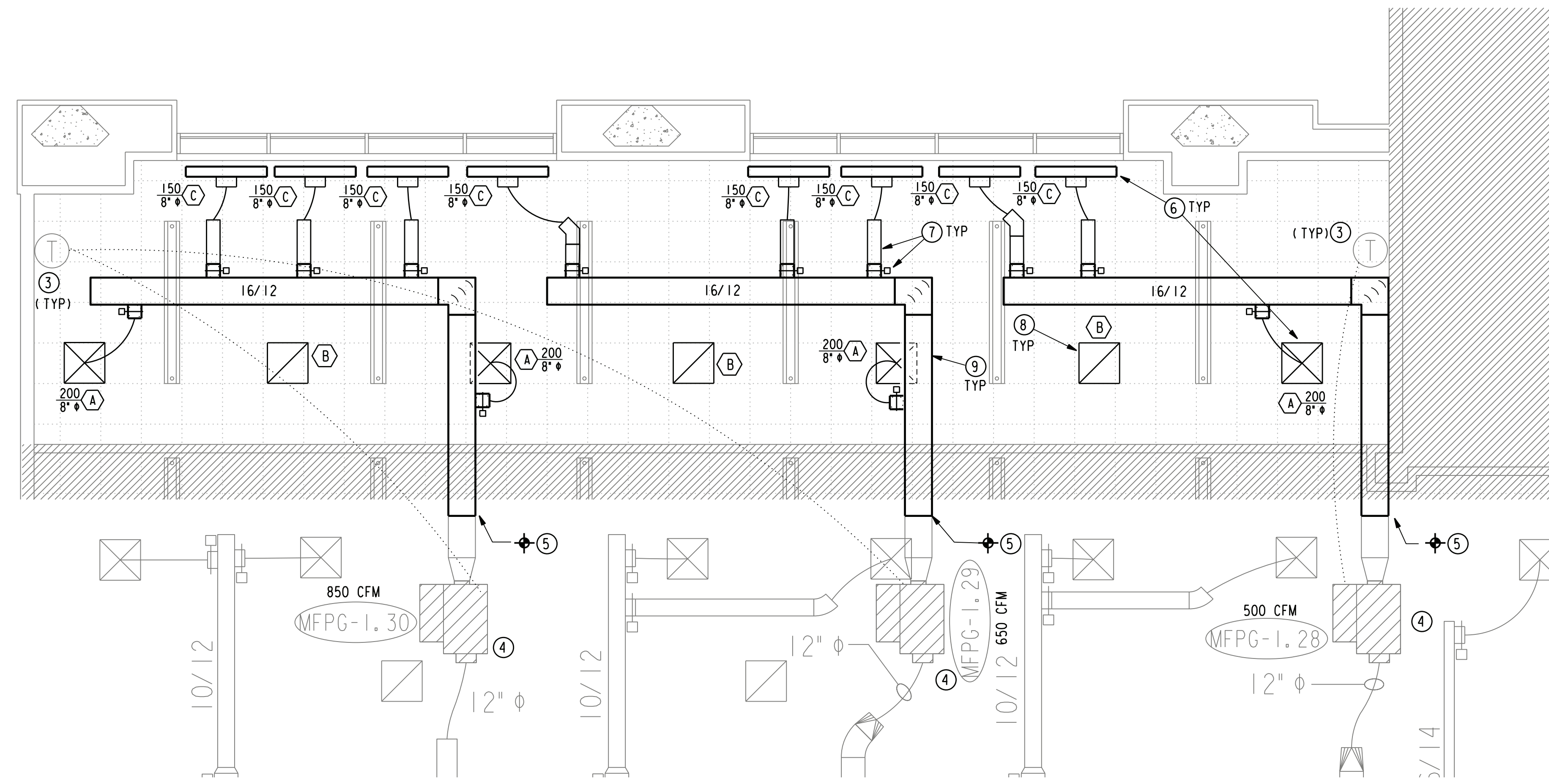


GENERAL NOTES:

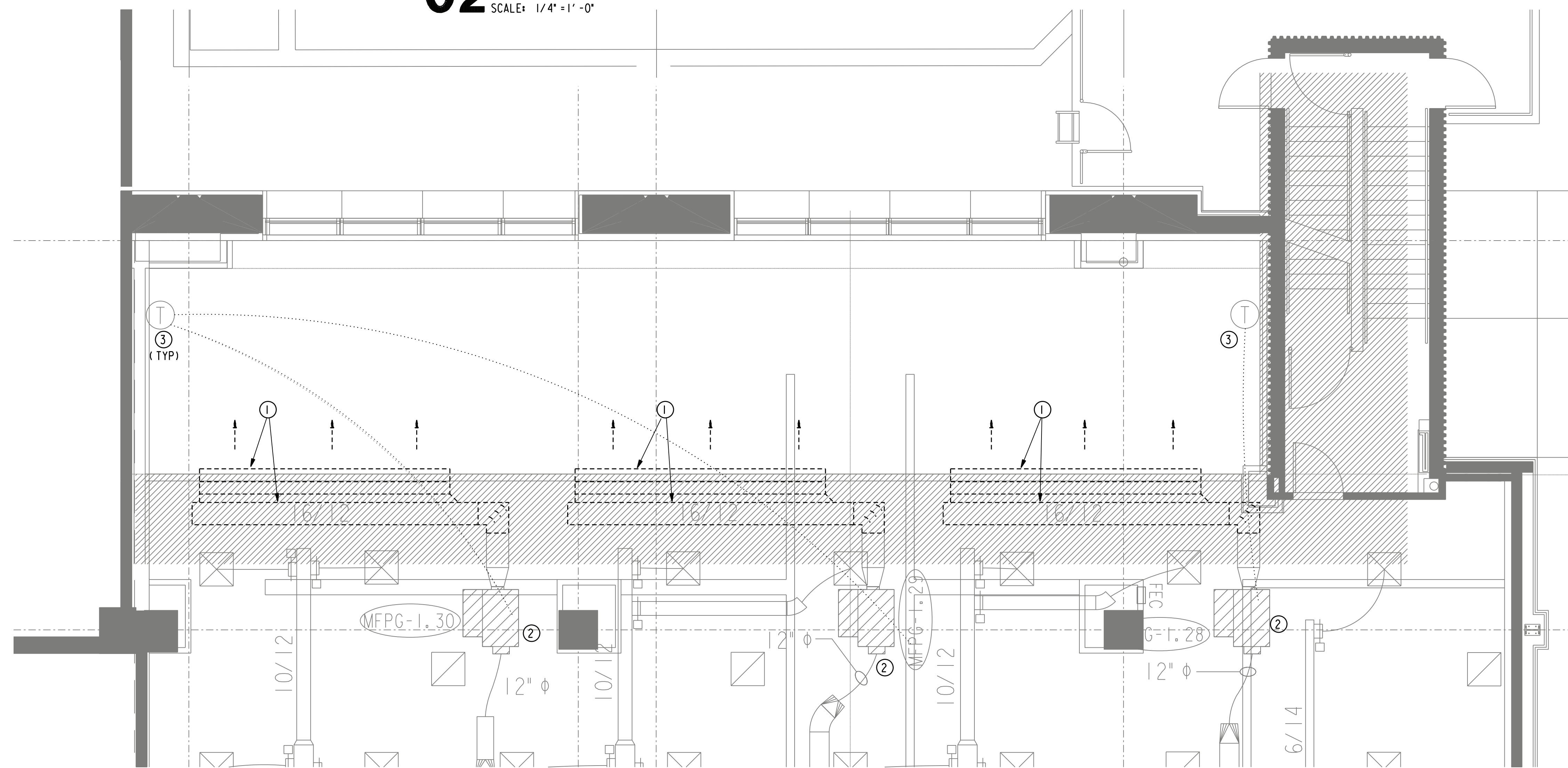
A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.

DRAWING NOTES:

- ① REMOVE EXISTING SIDEWALL SUPPLY GRILL AND ASSOCIATED TAP BACK TO EXISTING SUPPLY DUCT. RE: 02/M1.0GAE NOTE 5 FOR NEW SUPPLY DUCT CONNECTION TO EXISTING SUPPLY DUCT.
- ② EXISTING OPEN AREA DOUBLE DUCT HVAC TERMINAL UNIT TO REMAIN AND BE REUSED.
- ③ EXISTING DOUBLE DUCT TERMINAL UNIT SPACE TEMPERATURE SENSOR TO REMAIN AND BE REUSED.
- ④ REBALANCE EXISTING OPEN AREA DOUBLE DUCT HVAC TERMINAL UNIT TO NEW AIRFLOW INDICATED.
- ⑤ CONNECT NEW EXTERNALLY INSULATED SHEET METAL SUPPLY DUCTWORK, TO EXISTING AND EXTEND AS SHOWN.
- ⑥ NEW SUPPLY AIR SLOT/GRILL, TYPE AS INDICATED. BALANCE TO CFM INDICATED.
- ⑦ NEW DAMPERED SPIN-IN AND EXTERNALLY INSULATED RIGID ROUND SHEET METAL SUPPLY DUCT AND INSULATED ACOUSTICAL FLEXIBLE DUCT TO NEW SUPPLY SLOT/GRILL.
- ⑧ NEW RETURN AIR GRILL, TYPE AS INDICATED.
- ⑨ NEW EXTERNALLY INSULATED SHEET METAL SUPPLY DUCTWORK.



02 GROUND FLOOR EAST - MECHANICAL ALTERATION PLAN
SCALE: 1/4" = 1'-0"



01 GROUND FLOOR EAST - MECHANICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

Issues / Revisions

No.	Date	Description
1	07/08/2016	Issue for Construction

UT Health MSB 1st Floor Infill LRC 3 & 4



Mechanical Demolition and Alteration Plans Ground Floor East

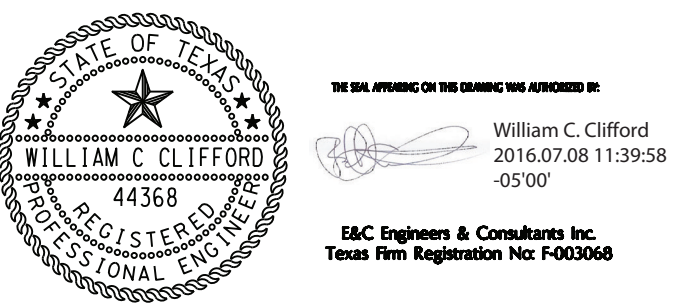
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Sheet Number: M1.0GAE

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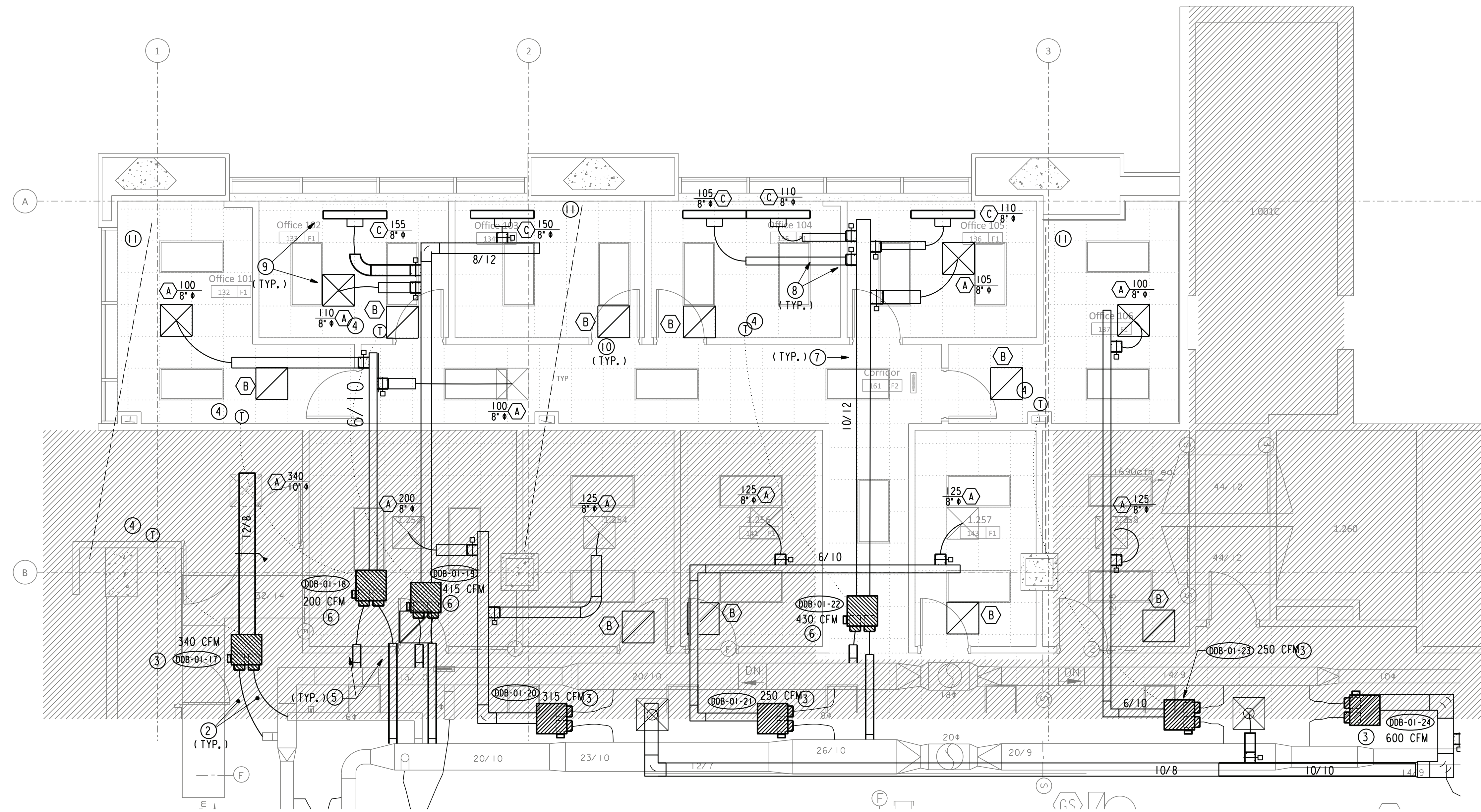


GENERAL NOTES:

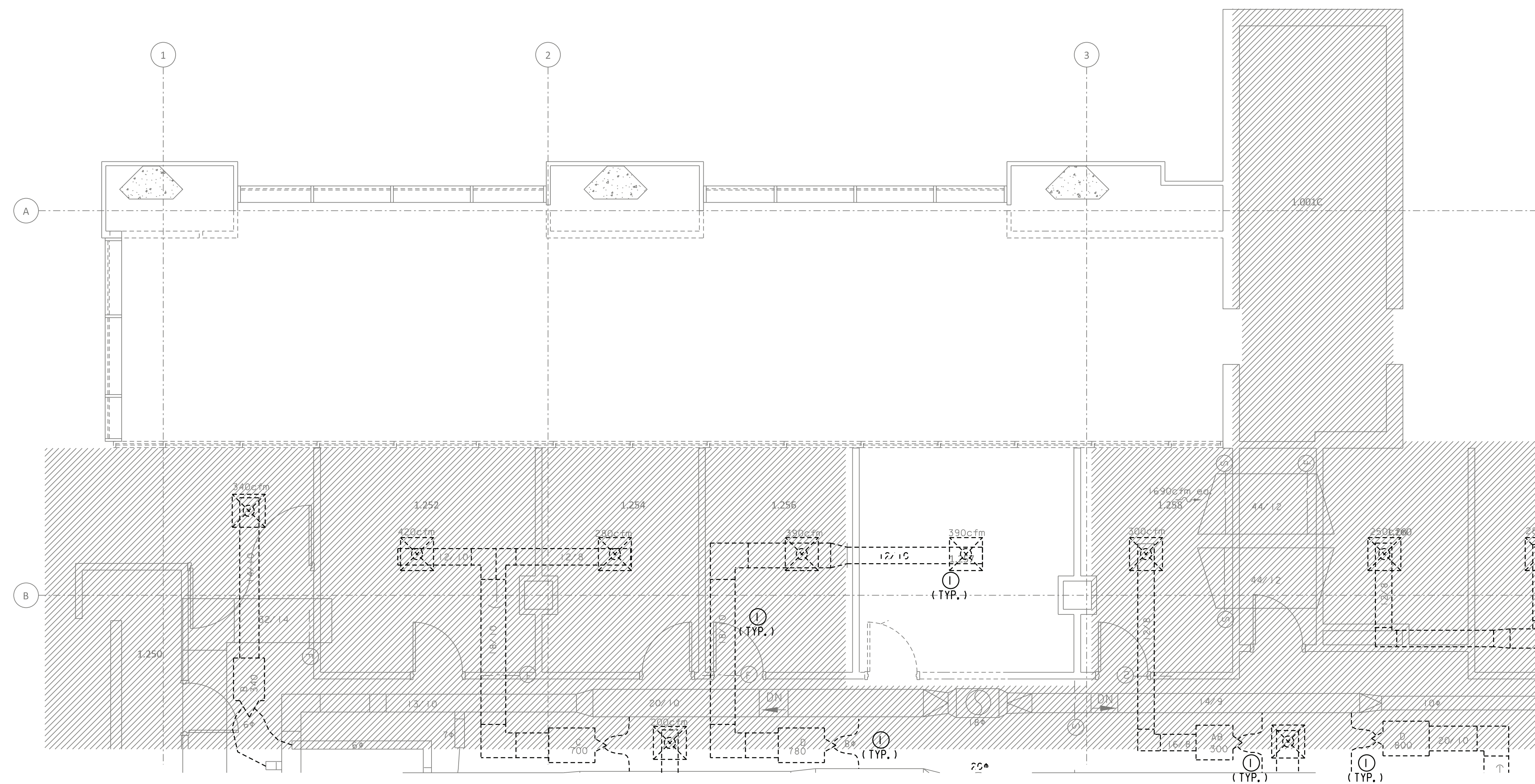
A. RE: MEPO, 0 FOR ADDITIONAL GENERAL NOTES.

DRAWING NOTES:

- ① REMOVE EXISTING DASHED HOT AND COLD DUCT CONNECTIONS, DOUBLE DUCT TERMINAL UNIT, SUPPLY DUCT AND AIR DEVICES. EXISTING HOT AND COND TRUNK DUCT TAPS SHALL BE REUSED TO SERVE NEW REPLACEMENT DOUBLE DUCT TERMINAL UNITS. RE: 01/MI, 01AE, NOTE 2
- ② EXISTING HOT AND COLD TRUNK DUCT TAPS WHICH SERVED DOUBLE DUCT TERMINAL UNIT WHICH IS BEING REPLACED SHALL BE REUSED TO SERVE THE NEW REPLACEMENT DOUBLE DUCT TERMINAL UNIT. EXTEND NEW EXTERNALLY INSULATED RIGID ROUND AND INSULATED FLEXIBLE HOT AND COLD DUCTS FROM EXISTING TAPS TO SERVE THE NEW REPLACEMENT DOUBLE DUCT TERMINAL UNIT. LOCATE REPLACEMENT DOUBLE DUCT TERMINAL UNIT TO MINIMIZE THE FLEXIBLE DUCT LENGTHS TO THE TERMINAL UNIT AND TO THE MAXIMUM EXTENT POSSIBLE TO ALLOW 1-1/2 DUCT DIAMETERS OF EXTERNALLY INSULATED RIGID ROUND DUCT TO BE USED FOR THE FLEXIBLE DUCT CONNECTIONS TO THE TERMINAL UNIT INLETS.
- ③ NEW REPLACEMENT DDC DOUBLE DUCT TERMINAL UNIT, BALANCE TO AIRFLOW INDICATED.
- ④ NEW DDC SPACE TEMPERATURE SENSOR WITH CONTROL WIRING TO TERMINAL UNIT INDICATED.
- ⑤ NEW HOT AND COLD TRUNK DUCT TAPS WITH NEW EXTERNALLY INSULATED RIGID ROUND AND INSULATED FLEXIBLE HOT AND COLD DUCTS TO SERVE THE NEW DOUBLE DUCT TERMINAL UNIT. LOCATE NEW DOUBLE DUCT TERMINAL UNIT TO MINIMIZE THE FLEXIBLE DUCT LENGTHS TO THE TERMINAL UNIT AND TO THE MAXIMUM EXTENT POSSIBLE TO ALLOW 1-1/2 DUCT DIAMETERS OF EXTERNALLY INSULATED RIGID ROUND DUCT TO BE USED FOR THE FLEXIBLE DUCT CONNECTIONS TO THE TERMINAL UNIT INLETS.
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- ⑨ NEW SUPPLY AIR GRILL, TYPE AS INDICATED. BALANCE TO CFM INDICATED. IF CFM INDICATED DIFFERS FROM FIELD VERIFIED EXISTING CFM, CONTACT ENGINEER FOR DIRECTION.
- ⑩ NEW RETURN AIR GRILL, TYPE AS INDICATED.
- ⑪ NEW DEEP STRUCTURAL BEAM(S), RE: STRUCTURAL.



02 FIRST FLOOR EAST - MECHANICAL ALTERATION PLAN
SCALE: 1/4" = 1' - 0"



01 FIRST FLOOR EAST - MECHANICAL DEMOLITION PLAN
SCALE: 1/4" = 1' - 0"

UT Health MSB
1st Floor Infill
LRC 3 & 4



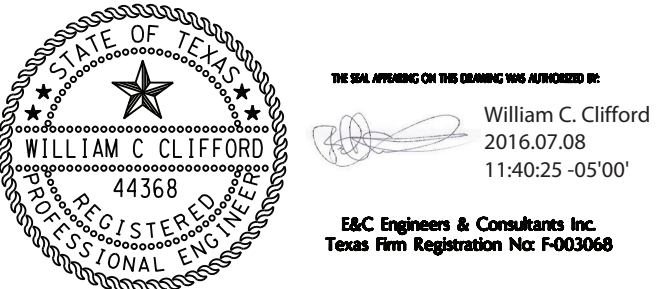
Mechanical Demolition and Alteration Plans
First Floor East

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P&W Commission Number: 3339.00
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Issue / Revision

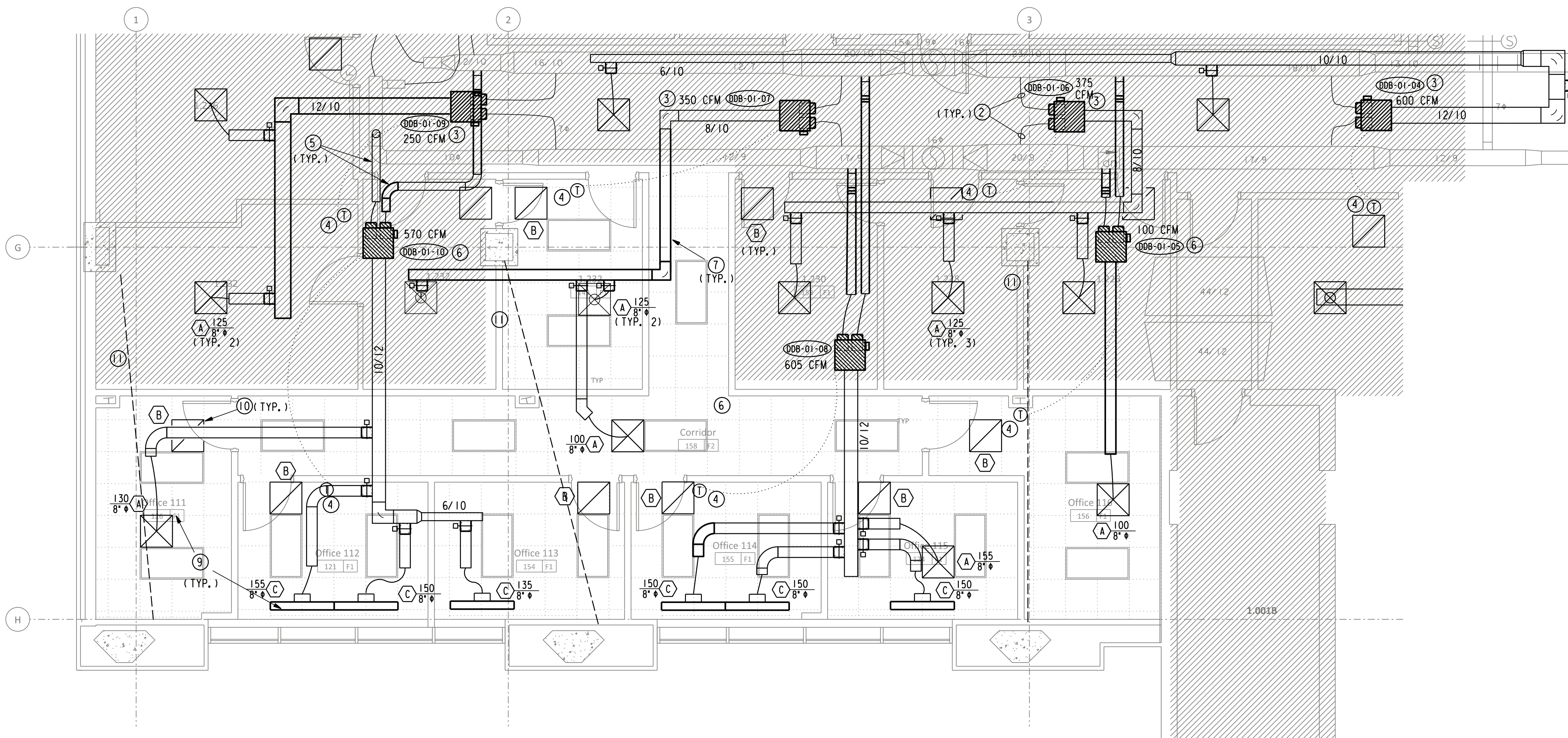
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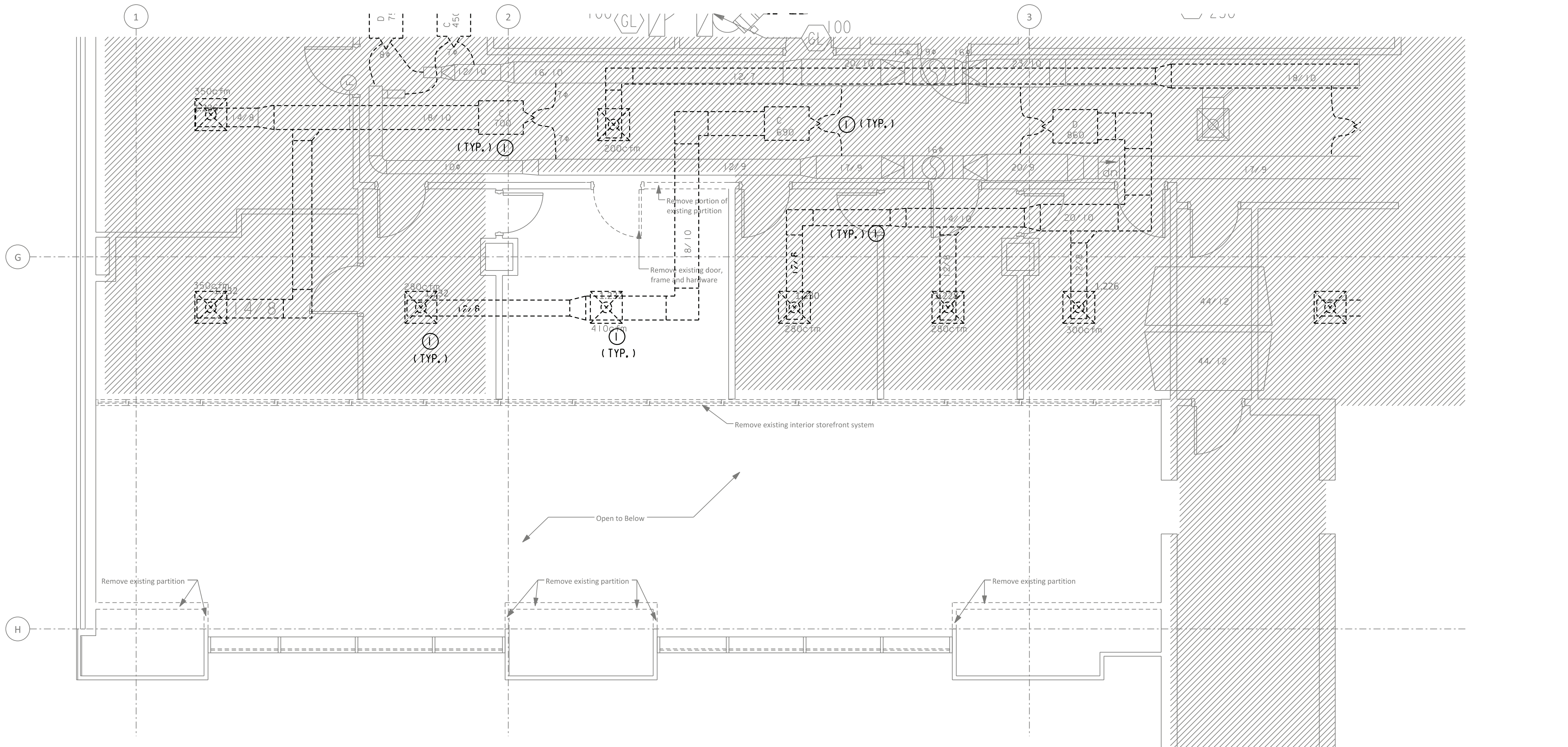
Mechanical
Demolition and
Alteration Plans
First Floor West

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- GENERAL NOTES:**
A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
- DRAWING NOTES:**
- 1 REMOVE EXISTING DASHED HOT AND COLD DUCT CONNECTIONS, DOUBLE DUCT TERMINAL UNIT, SUPPLY DUCT AND AIR DEVICES. EXISTING HOT AND COLD TRUNK DUCT TAPS SHALL BE REUSED TO SERVE NEW REPLACEMENT DOUBLE DUCT TERMINAL UNITS. RE: O1/M1.O1AW, NOTE 2.
 - 2 EXISTING HOT AND COLD TRUNK DUCT TAPS WHICH SERVED DOUBLE DUCT TERMINAL UNIT WHICH IS BEING REPLACED SHALL BE REUSED TO SERVE THE NEW REPLACEMENT DOUBLE DUCT TERMINAL UNIT. EXTEND NEW EXTERNALLY INSULATED RIGID ROUND AND INSULATED FLEXIBLE HOT AND COLD DUCTS FROM EXISTING TAPS TO SERVE THE NEW REPLACEMENT DOUBLE DUCT TERMINAL UNIT. LOCATE REPLACEMENT DOUBLE DUCT TERMINAL UNIT TO MINIMIZE THE FLEXIBLE DUCT LENGTHS TO THE TERMINAL UNIT AND TO THE MAXIMUM EXTENT POSSIBLE TO ALLOW 1-1/2 DUCT DIAMETERS OF EXTERNALLY INSULATED RIGID ROUND DUCT TO BE USED FOR THE FLEXIBLE DUCT CONNECTIONS TO THE TERMINAL UNIT INLETS.
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 - 10 NEW RETURN AIR GRILL, TYPE AS INDICATED.
 - 11 NEW DEEP STRUCTURAL BEAM, RE: STRUCTURAL.

02 FIRST FLOOR WEST - MECHANICAL ALTERATION PLAN
SCALE: 1/4" = 1' - 0"



01 FIRST FLOOR WEST - MECHANICAL DEMOLITION PLAN
SCALE: 1/4" = 1' - 0"

ABBREVIATIONS

Table with 2 columns: Abbreviation and Description. Includes entries for AIR (COMPRESSED), ABOVE, AIR CONDITIONING, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for INSIDE DIAMETER, INCH, INCREASING, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for TRENCH DRAIN, TOTAL DYNAMIC HEAD, TELEPHONE, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for BELOW COUNTER, BUILDING, BENCHMARK, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for LENGTH, LAVATORY, LINEAR FEET, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for VOLT, VENT, VACUUM, VOLT-AMPERE, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for CONDUIT, CELSIUS, CUBIC FEET PER MINUTE, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for METER, MAXIMUM, THOUSAND OF BTU'S, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for WATT, WASTE, WIDTH, WITH, WITHOUT, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for DEPTH, DRAIN, DECIBEL, DRY BULB, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for NORMALLY CLOSED, NATIONAL ELECTRICAL CODE, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for ELBOW UP, ELBOW DOWN, DIRECTION OF FLOW, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for EACH, ENTERING AIR TEMPERATURE, ECCENTRIC, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for PUMP, PLUMBING EQUIPMENT, PRESSURE DROP, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for CHECK VALVE, TWO-WAY MODULATING CONTROL VALVE, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for FARENHEIT, FIRE, FIRE ALARM, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for RISER, RETURN AIR, RETURN AIR GRILL, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for MISCELLANEOUS, PLUMBING FIXTURES, POINT OF NEW CONNECTION, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for GAS, GAGE, GALLON, GALVANIZED, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for SUPPLY AIR, SUPPLY AIR FAN, SANITARY SEWER, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for ELECTRICAL EQUIPMENT, DISTRIBUTION PANEL, SWITCHBOARD, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for HEIGHT, HOSE BIBB, HEAD, HUB DRAIN, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for SQUARE FEET, SQUARE INCH, SQUARE YARD, etc.

Table with 2 columns: Abbreviation and Description. Includes entries for MOTORS AND CONTROLS, SINGLE OR THREE PHASE MOTOR, ELECTRIC DUCT HEATER, etc.

MEP SYMBOLS (ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

Table with 2 columns: PIPING TYPES, CHS - CHILLED WATER SUPPLY, CHR - CHILLED WATER RETURN, etc.

Table with 2 columns: PIPING SYMBOLS, ELBOW UP, ELBOW DOWN, DIRECTION OF FLOW, etc.

Table with 2 columns: MISCELLANEOUS, PLUMBING FIXTURES, POINT OF NEW CONNECTION, etc.

Table with 2 columns: PANEL DESIGNATIONS, 2HEA-3, 2" DENOTES FLOOR WHERE PANEL IS LOCATED, etc.

Table with 2 columns: ELECTRICAL EQUIPMENT, DISTRIBUTION PANEL, SWITCHBOARD OR MOTOR CONTROL CENTER, etc.

Table with 2 columns: MOTORS AND CONTROLS, SINGLE OR THREE PHASE MOTOR, ELECTRIC DUCT HEATER, etc.

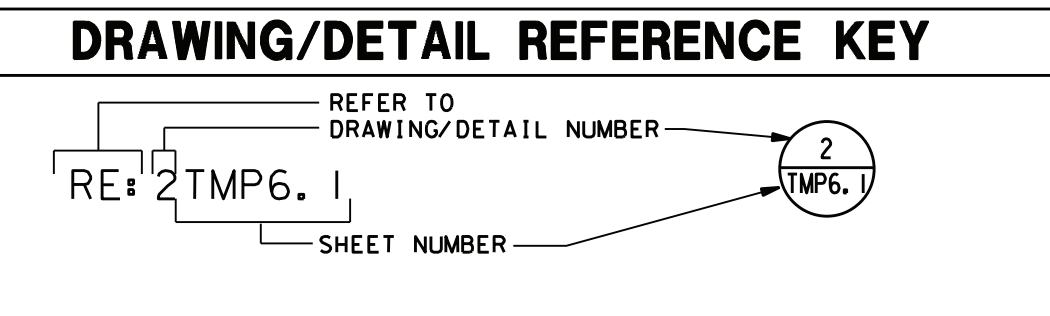


Table with 2 columns: DUCTWORK, SUPPLY AIR DIFFUSER, NO LETTER DENOTES NEW, 'R' DENOTES RELOCATED EXISTING, etc.

Table with 2 columns: FIRE ALARM, FIRE ALARM CONTROL PANEL (FLUSH/SURFACE), FIRE ALARM REMOTE ANNUNCIATOR, etc.

Table with 2 columns: PANEL DESIGNATIONS, 2HEA-3, 2" DENOTES FLOOR WHERE PANEL IS LOCATED, etc.

Table with 2 columns: ELECTRICAL EQUIPMENT, DISTRIBUTION PANEL, SWITCHBOARD OR MOTOR CONTROL CENTER, etc.

Table with 2 columns: MOTORS AND CONTROLS, SINGLE OR THREE PHASE MOTOR, ELECTRIC DUCT HEATER, etc.

Table with 2 columns: LIGHTING, NEW INCANDESCENT OR HID LIGHTING FIXTURE, LETTER DENOTES TYPE, 'H' PREFIX DENOTES HID, etc.

Table with 2 columns: SWITCHES, NEW SWITCH, SPST, 20A, 120/277V, RELOCATED EXISTING SWITCH, etc.

Table with 2 columns: RECEPTACLES AND OUTLETS, SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V, etc.

Table with 2 columns: CIRCUITING AND WIRING, CIRCUIT CONCEALED IN WALL OR CEILING, CONDUIT CAST IN CONCRETE OR BELOW SLAB, etc.

Table with 2 columns: CIRCUITING NOTES, THE LIGHTING PLANS INDICATE SWITCHING AND BRANCH CIRCUIT NUMBERS FOR ALL LIGHTING FIXTURES, etc.

Table with 2 columns: DRAWING LIST, MECHANICAL/ELECTRICAL/PLUMBING SYMBOLS/ABBREVIATIONS/GENERAL NOTES, etc.

Table with 2 columns: DRAWING LIST, MECHANICAL/ELECTRICAL/PLUMBING SYMBOLS/ABBREVIATIONS/GENERAL NOTES, etc.

GENERAL NOTES

- ALL MECHANICAL, ELECTRICAL & PLUMBING WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL BUILDING CODES AND UHSC-H...
MECHANICAL/ELECTRICAL/PLUMBING SCHEDULES AND DETAILS
MECHANICAL DEMOLITION AND ALTERATION PLANS GROUND FLOOR EAST

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E&C Engineers and Consultants logo and contact information: 1301 McKinney, Suite 1100, Houston, TX 77010

Professional Engineer seal for William C. Clifford, State of Texas, License No. 44363, Mechanical Engineering

Revision table with columns: No., Date, Description. Shows revision 1 on 07/08/2016 for 'Issue for Construction'.

UT Health MSB 1st Floor Infill LRC 3 & 4

UT Health logo and 'The University of Texas Health Science Center at Houston' text.

MECHANICAL/ELECTRICAL/PLUMBING SYMBOLS/ABBREVIATIONS/GENERAL NOTES

Table with 2 columns: Drawing Item, Description. Lists items like MEPO.0, MLO.GAE, MLO.OAG, etc.

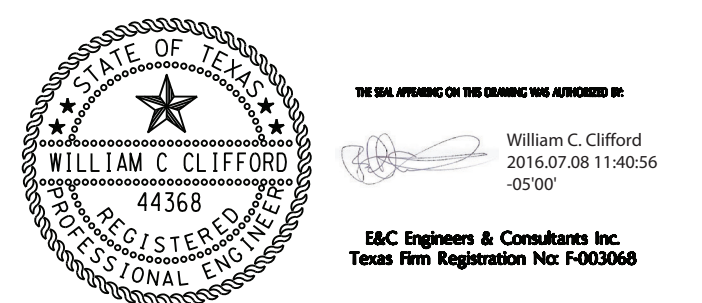
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Structural Engineer

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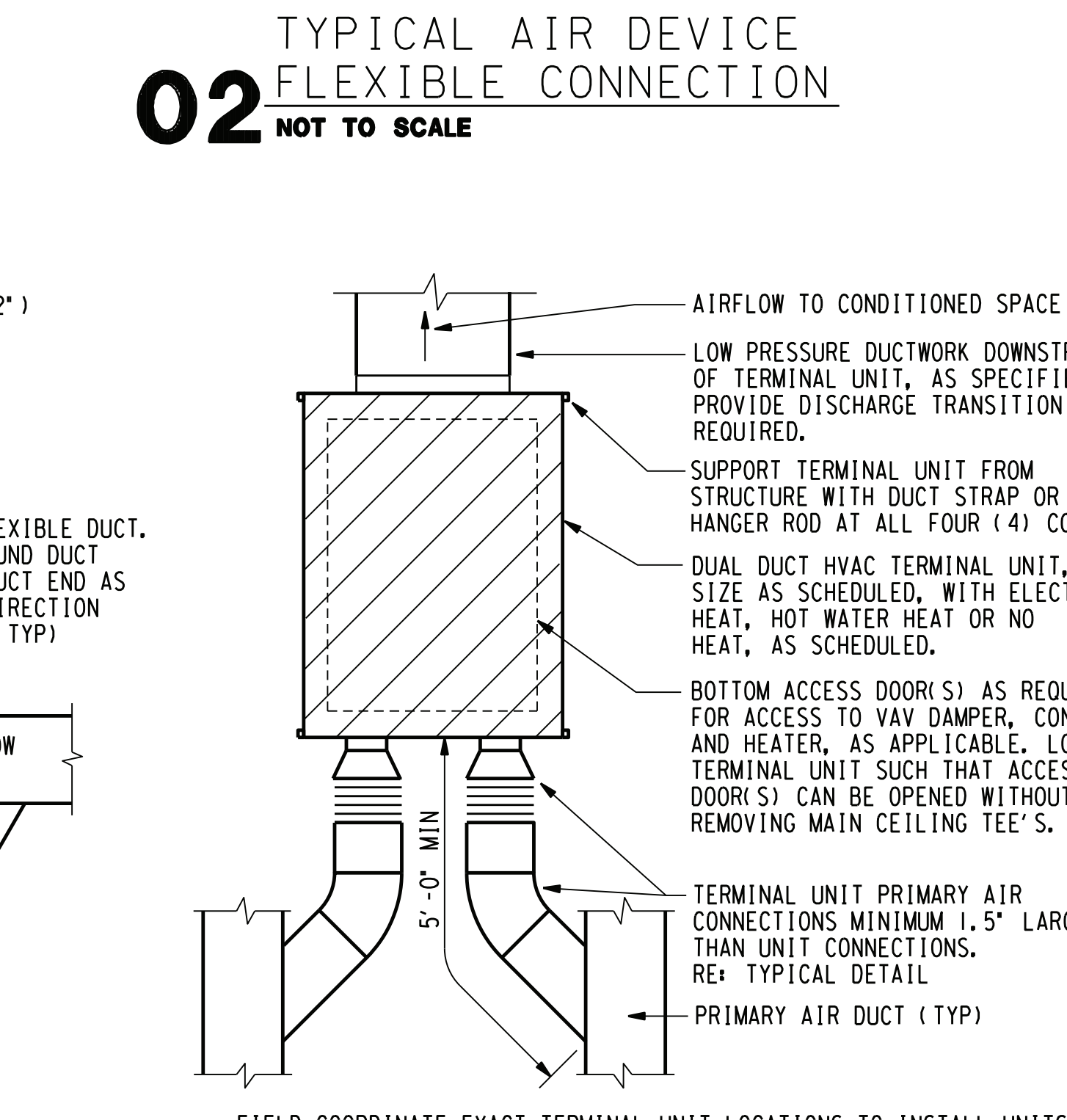
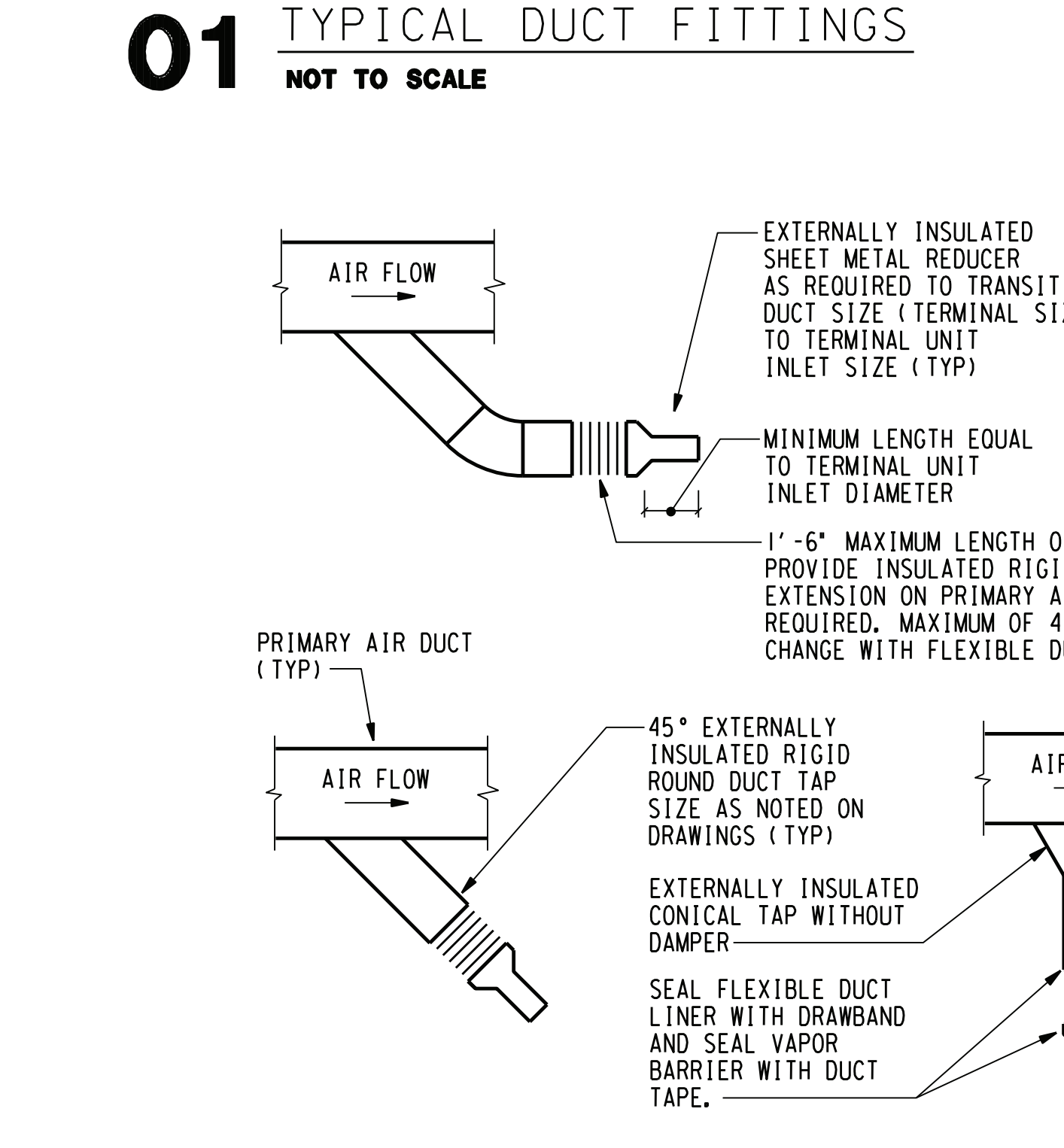
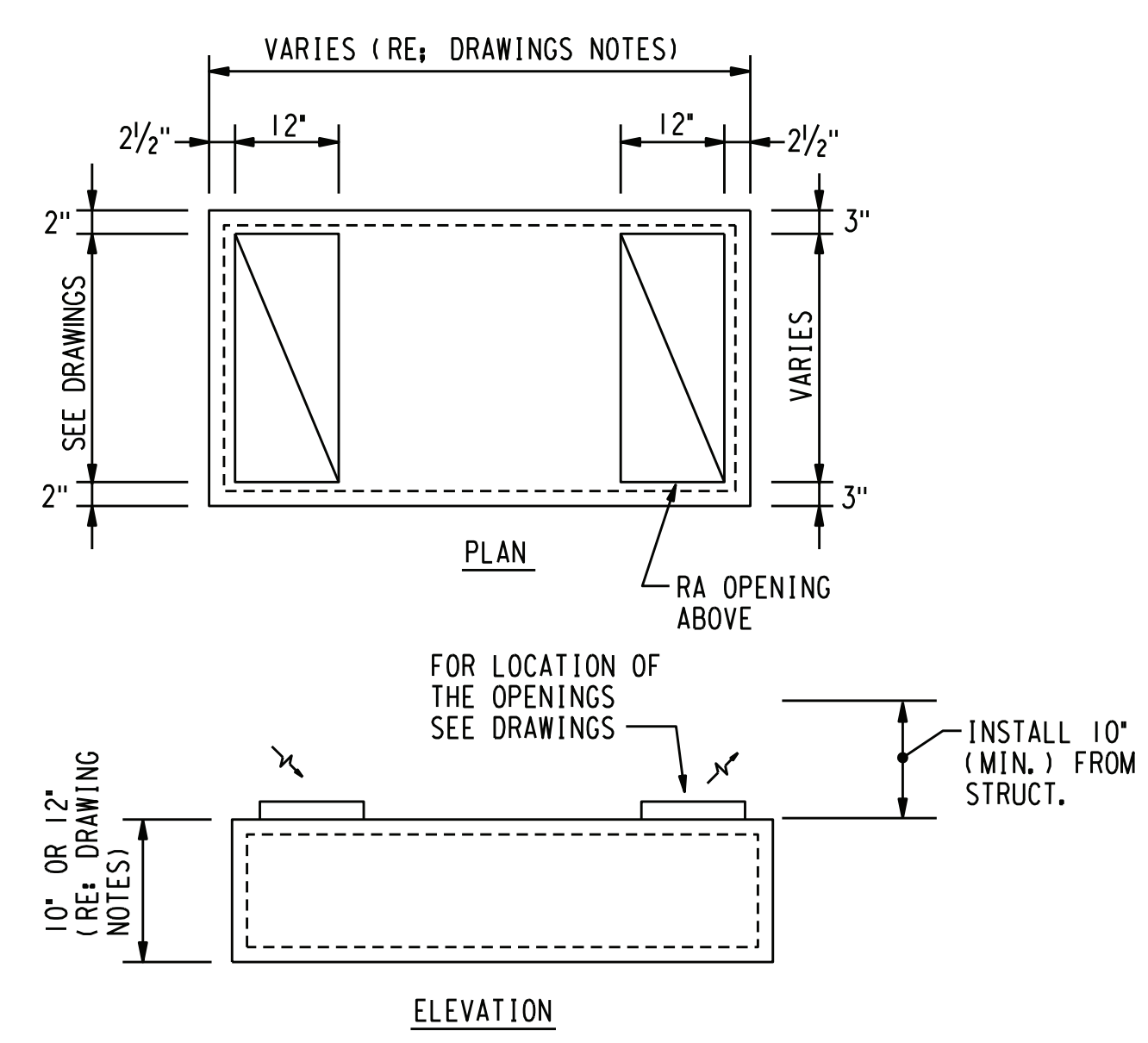
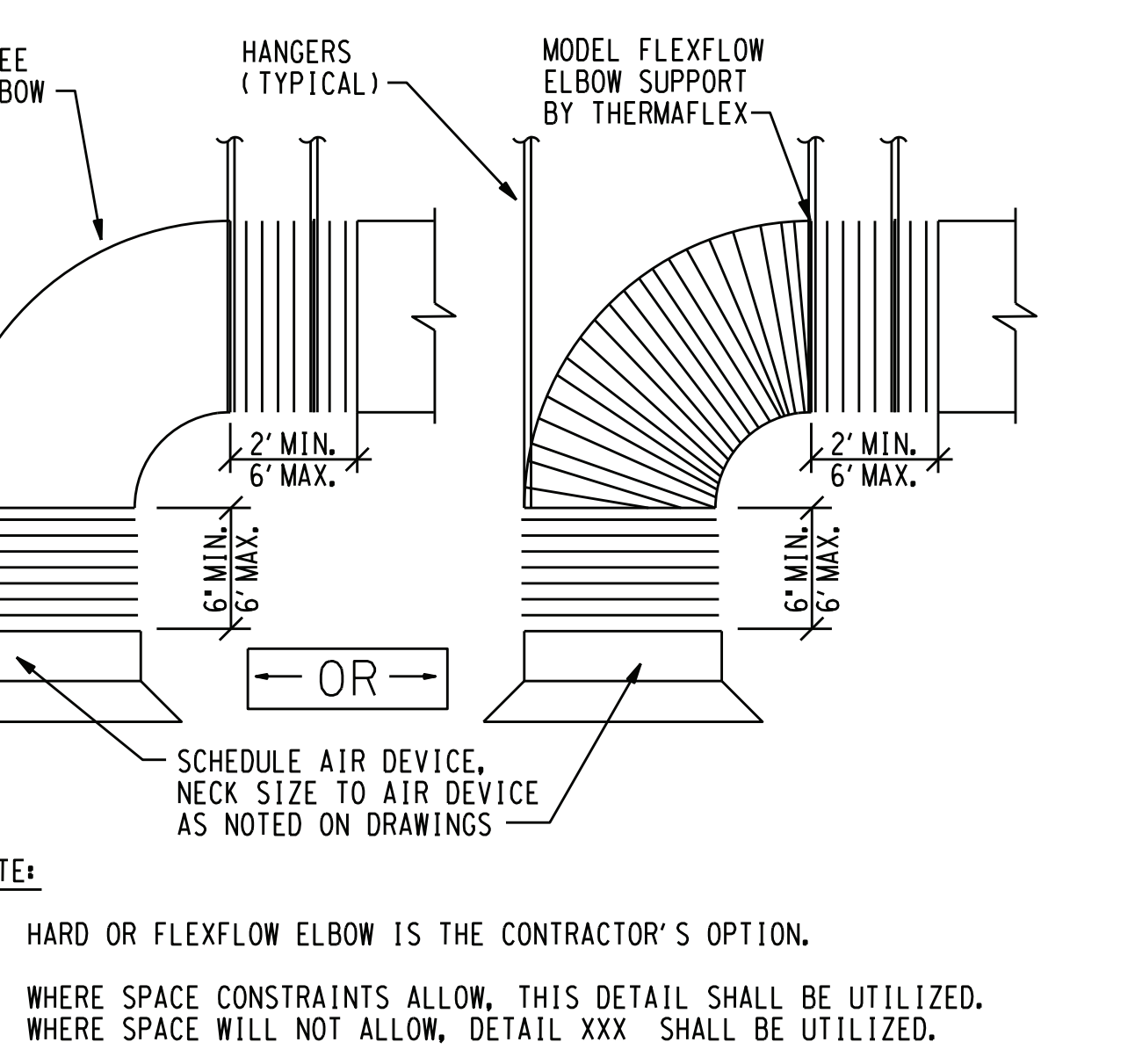
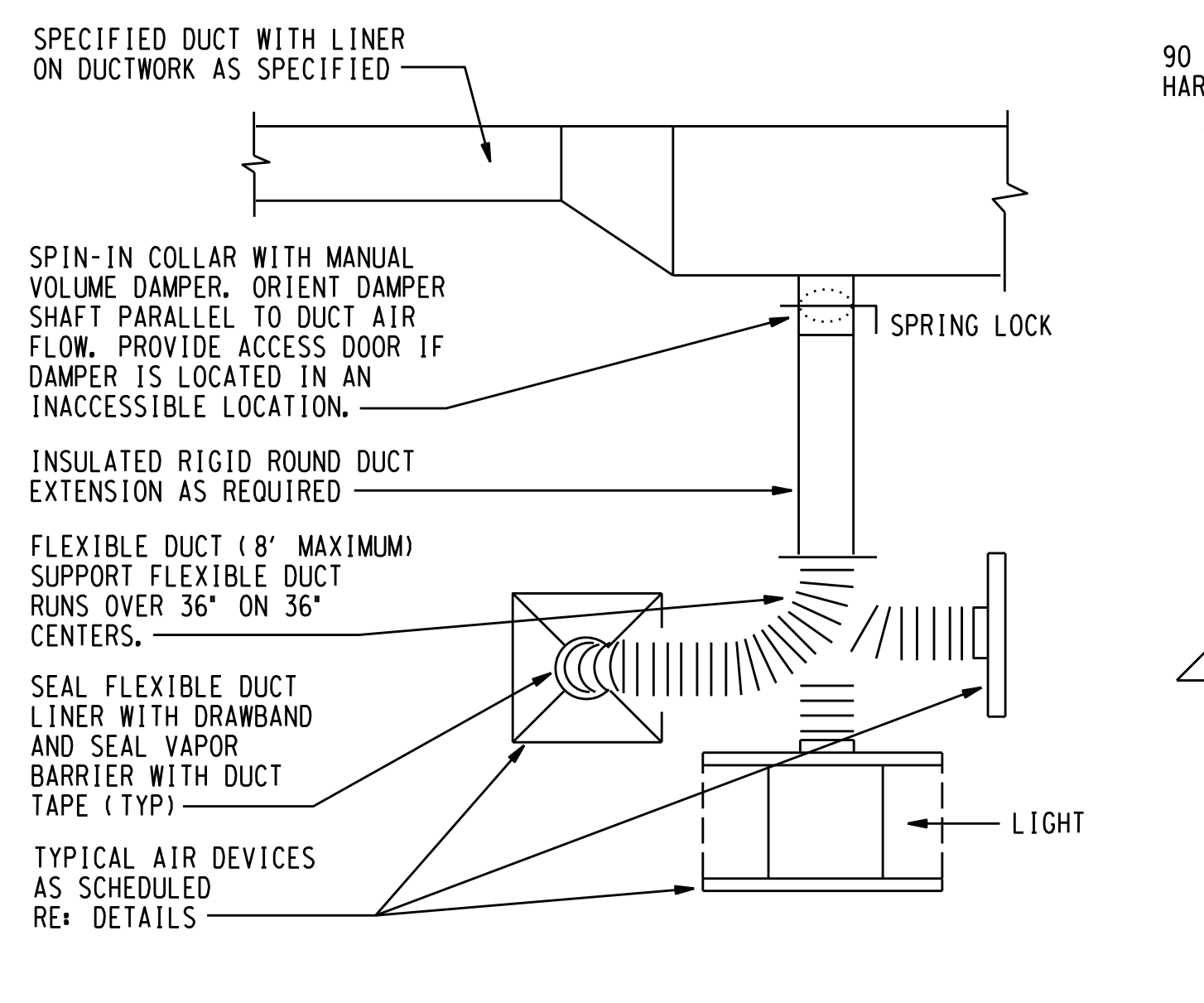
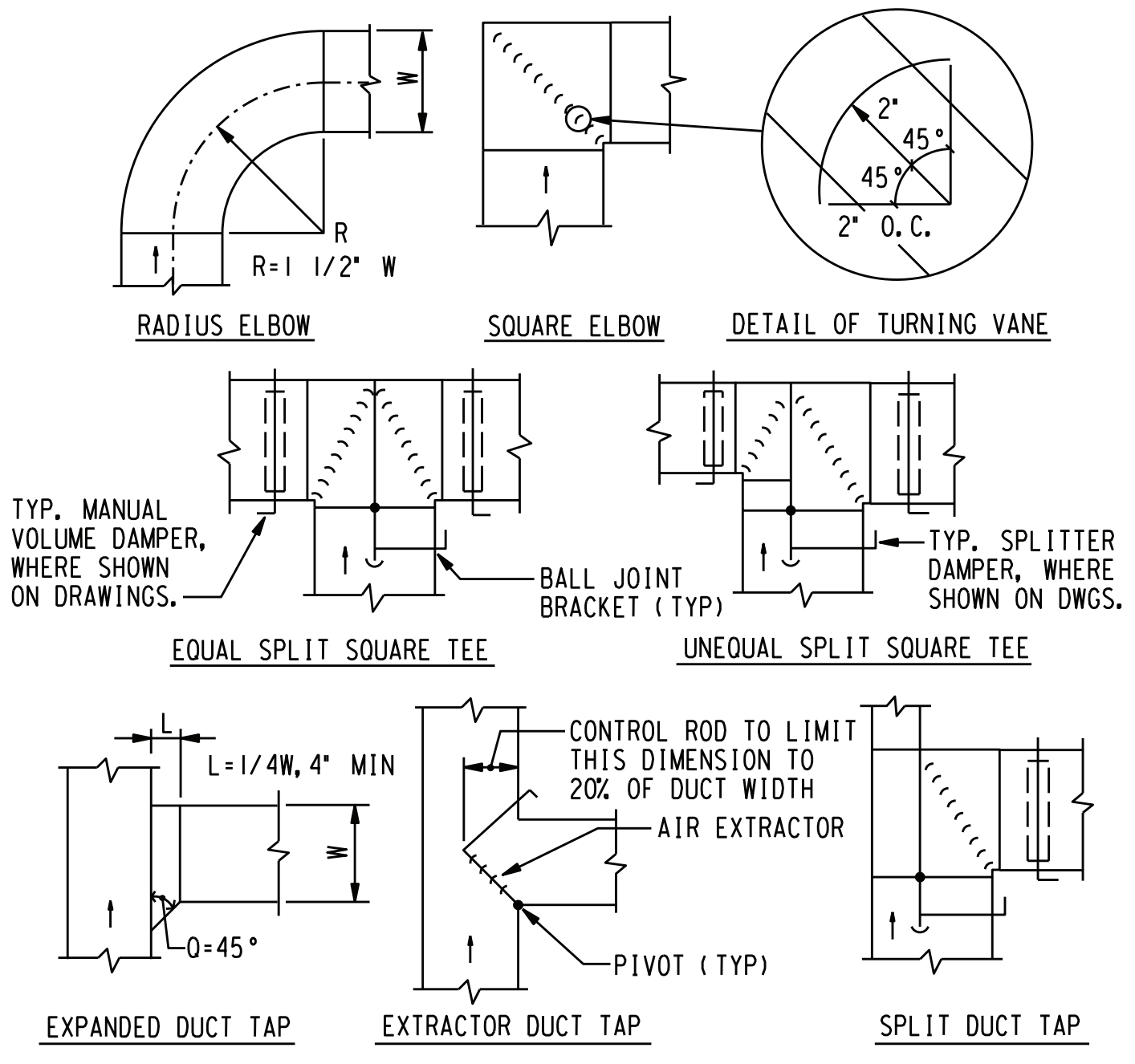
MEP Engineer

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Issue / Revision

No.	Date	Description
1	07/08/2016	Issue for Construction



Plan Designation	AIR DISTRIBUTION DEVICES		
	A	B	C
Manufacturer	Titus	Titus	Titus
Model/Series	OMNI-AA	OMNI-AA	FLOWBAR
Function	Supply	Return	Supply
Device Type	Ceiling	Ceiling	Ceiling
Face Type	Plaque	Plaque	Slot
Face Size (inches)	24" x 24"	24" x 24"	48" Long
Neck Size (inches)	Re: Dwg	15" Rnd	Re: Dwg
Maximum NC	30	30	30
Border Type	TYPE 3	TYPE 3	TYPE 22
Material	Aluminum	Aluminum	Aluminum
Exterior Finish	White	White	Black
Interior Finish	White	White	Black
Mounting Type	Lay-in	Lay-in	Lay-in
Accessories			
Remarks			

FIXTURE TYPE	MANUFACTURER	CATALOG NUMBER	LAMP TYPE (a) (b)	BALLAST/DRIVER TYPE	VOLTAGE	FIXTURE WATTS	MOUNTING	DESCRIPTION
A	PHILLIPS/LIGHTOLIER	QHE2GFOP232-277-SPECIAL BALLAST	(2) F032 T8 - 4100K	<10% THD, PROGRAM START, 56 W MAXIMUM INPUT	120/277 V	56 W	LAY-IN	2' x 4' FLUORESCENT HIGH EFFICIENCY ALTER WITH MICROPERFORATED MESH SHIELD BASKET. ONE PROGRAM START T8 TWO LAMP ELECTRONIC BALLAST.
A LED (c)	CREE	ZR24-40L-40K-CMA	4000 LM 4000 K 90 CRI LED	<10% THD DIMMING LED DRIVER	120/277 V	44 W	LAY-IN	2' x 4' HIGH EFFICIENCY LED TROFFER WITH DIMMING DRIVER AND SMARTCAST INTEGRAL MOTION AND AMBIENT SENSORS AND WIRELESS COMMUNICATIONS.
T1	LITECONTROL	59-P4-08-C1-1TSHO-NFN-1C-277-FA1 (d)	(1) F54 T5HO - 4100K	<10% THD PROGRAM START ELECTRONIC BALLAST	277 V	54 W	PENDANT	8' MATTE WHITE INDIRECT PENDANT LIGHT FIXTURE WITH 15' AIRCRAFT CABLE PENDANT MOUNTS AND >10% THD PROGRAM START BALLAST. PROVIDE FIXTURES WITH END CAPS. FIXTURE DISCONNECTS LISTED CANOPY POXES AND OTHER ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION TO MATCH EXISTING INSTALLATION. FIXTURE MOUNTING AND LAMP COLOR TO MATCH EXISTING FIXTURES IN THE ROOM.
X1	PHILLIPS/CHLORIDE	55L 3 R OR APPROVED EQUAL (e)	2.5 W RED LED	INTEGRAL LED DRIVER	120/277 V	2.5 W	SURFACE	SINGLE FACE LED EXIT SIGN TO MATCH EXISTING WITH BRUSHED ALUMINUM FACE AND BLACK HOUSING, RED LETTERS, ARROWS AS INDICATED.
X2	PHILLIPS/LIGHTOLIER	55L 3 R OR APPROVED EQUAL (e)	5 W RED LED	INTEGRAL LED DRIVER	120/277 V	5 W	SURFACE	DOUBLE FACE LED EXIT SIGN TO MATCH EXISTING WITH BRUSHED ALUMINUM FACE ANDBLACK HOUSING, RED LETTERS, ARROWS AS INDICATED.

NOTE (a) - ALL FLUORESCENT LAMPS SHALL BE PHILLIPS ALTO LOW MERCURY.
NOTE (b) - FLUORESCENT LAMP AND LED COLOR TEMPERATURE TO MATCH EXISTING LAMPS IN THE PROJECT AREA. CONFIRM COLOR COMPATIBILITY PRIOR TO SUBMITTING FIXTURES.
NOTE (c) - ALTERNATE E1 VERSION OF TYPE A LIGHT FIXTURE. PROVIDE ALL COMPONENTS REQUIRED FOR A COMPLETE AND FUNCTIONING LIGHT FIXTURES WITH ASSOCIATED LIGHTING CONTROLS.
NOTE (d) - CONFIRM VISUAL COMPATIBILITY WITH EXISTING PENDANT LIGHTING IN THE AREA PRIOR TO ORDERING.
NOTE (e) - CONFIRM VISUAL COMPATIBILITY WITH EXISTING EXIT SIGNS IN THE AREA PRIOR TO ORDERING.

DOUBLE DUCT TERMINAL UNITS																										
Plan Designation	DDB-01-01	DDB-01-02	DDB-01-03	DDB-01-04	DDB-01-05	DDB-01-06	DDB-01-07	DDB-01-08	DDB-01-09	DDB-01-10	DDB-01-11	DDB-01-12	DDB-01-13	DDB-01-14	DDB-01-15	DDB-01-16	DDB-01-17	DDB-01-18	DDB-01-19	DDB-01-20	DDB-01-21	DDB-01-22	DDB-01-23	DDB-01-24	DDB-01-25	DDB-01-26
Manufacturer	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor	Nalor
Model/Series	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)	D3230 (2)
Size	10	10	8	8	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	8
Terminal Unit Maximum Airflow	745 cfm	745 cfm	450 cfm	600 cfm	100 cfm	375 cfm	350 cfm	605 cfm	250 cfm	570 cfm	455 cfm	375 cfm	375 cfm	485 cfm	200 cfm	570 cfm	340 cfm	200 cfm	415 cfm	315 cfm	250 cfm	430 cfm	250 cfm	600 cfm	375 cfm	450 cfm
Terminal Unit Minimum Airflow	375 cfm	375 cfm	225 cfm	300 cfm	50 cfm	188 cfm	175 cfm	303 cfm	125 cfm	285 cfm	188 cfm	100 cfm	100 cfm	188 cfm	100 cfm	125 cfm	170 cfm	100 cfm	195 cfm	125 cfm	300 cfm	188 cfm	300 cfm	188 cfm	225 cfm	300 cfm
Design Cooling Airflow	745 cfm	745 cfm	450 cfm	600 cfm	100 cfm	375 cfm	350 cfm	605 cfm	250 cfm	570 cfm	455 cfm	375 cfm	375 cfm	485 cfm	200 cfm	570 cfm	340 cfm	200 cfm	415 cfm	315 cfm	250 cfm	430 cfm	250 cfm	600 cfm	375 cfm	450 cfm
Minimum Cooling Airflow	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm
Cooling Inlet Size	10"	10"	8"	8"	4"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	8"
Cooling Flex Duct Size	10"	10"	8"	8"	4"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	8"
Maximum Heating Airflow	745 cfm	745 cfm	450 cfm	600 cfm	100 cfm	375 cfm	350 cfm	605 cfm	250 cfm	570 cfm	455 cfm	375 cfm	375 cfm	485 cfm	200 cfm	570 cfm	340 cfm	200 cfm	415 cfm	315 cfm	250 cfm	430 cfm	250 cfm	600 cfm	375 cfm	450 cfm
Minimum Heating Airflow	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm	100 cfm
Heating Inlet Size	10"	10"	8"	8"	4"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	8"
Heating Flex Duct Size	10"	10"	8"	8"	4"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	8"
Outlet Size	14 1/2"	14 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"	10 1/2"
Minimum Inlet Static Pressure	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc	1.0"wc
Max. Terminal Pressure Drop	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc	0.5"wc
Max. Room Noise Criteria (NC)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Control Type	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)	DDC (3)
Control Sequence	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H	Re: UTHSC-H

(1) - Coordinate Metasys Terminal Unit Designation with UTHSC-H Project Manager.
(2) - With UT Spec Construction and Testing: Solid Metal Liner, Bottom Access Door, Integral Sound Attenuator and Mixing Baffles.
(3) - Provide terminal unit with DDC Controls, Re: Specifications.

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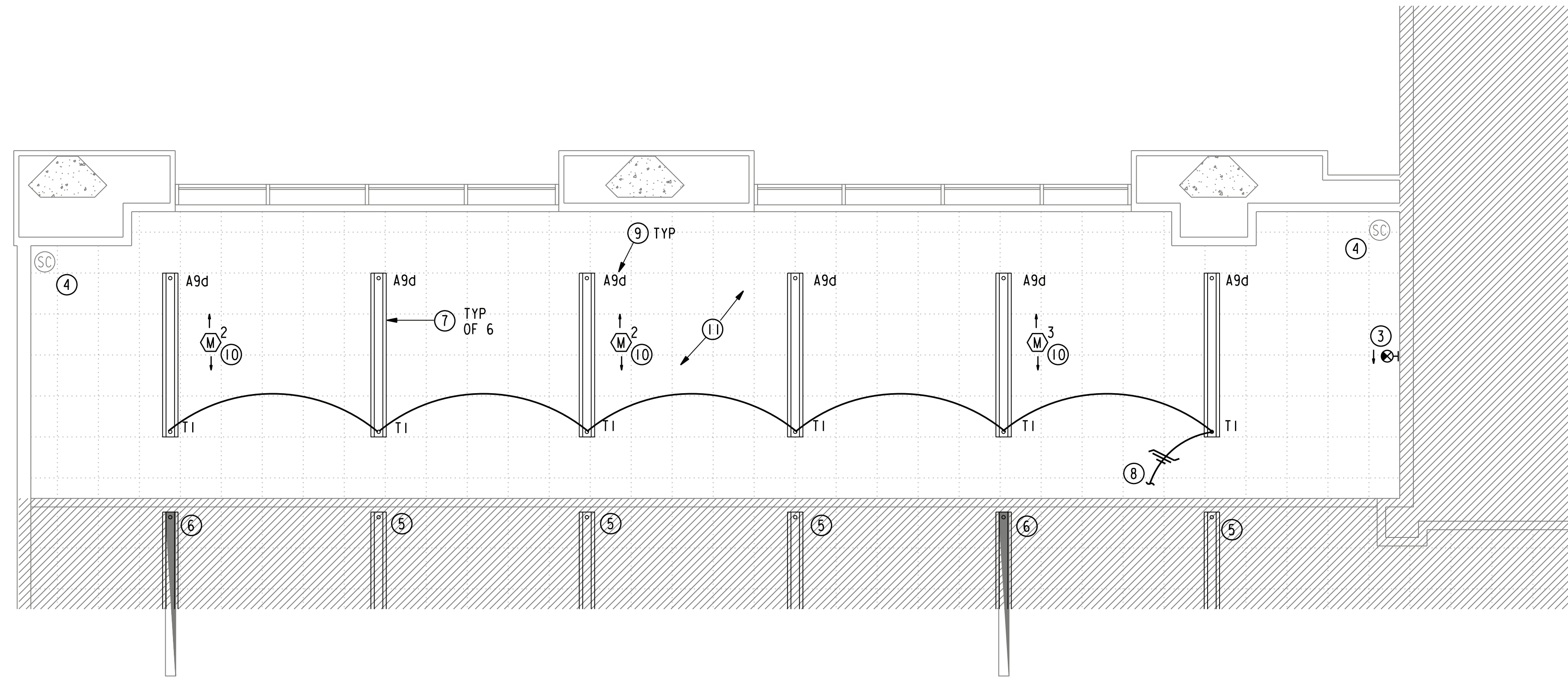


GENERAL NOTES:

- A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
- B. MODIFICATIONS AND ADDITIONS TO THE EXISTING BUILDING FIRE ALARM SYSTEM SHALL BE DESIGNED, PREPARED AND SIGNED BY A STATE OF TEXAS LICENSED FIRE ALARM PLANNING SUPERINTENDENT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS. FIRE ALARM DEVICES SHOWN ON THE DRAWINGS ARE FOR GENERAL SCOPE AND COORDINATION ONLY AND ALL FIRE ALARM DEVICES REQUIRED BY THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS SHALL BE PROVIDED.

DRAWING NOTES:

- ① REMOVE EXISTING PENDANT LIGHT FIXTURE AND ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT. STORE REMOVED LIGHT FIXTURE AS DIRECTED BY OWNER. RE: 02/EL1.0GAE, NOTE 8 FOR REUSE OF EXISTING BRANCH CIRCUIT AND LIGHTING CONTROL RELAY/POWER PACK AND OVERRIDE SWITCHES TO SERVE NEW LIGHT FIXTURES.
- ② REMOVE EXISTING WALL MOUNTED MOTION SENSOR AND ASSOCIATED CONTROL WIRING TO EXISTING LIGHTING CONTROL RELAY/POWER PACK. RE: 02/EL1.0GAE, NOTE 9 FOR NEW CEILING MOUNTED SENSOR AND ASSOCIATED CONTROL WIRING TO CONTROL EXISTING LIGHTING CONTROL RELAY/POWER PACK.
- ③ EXISTING WALL MOUNTED EXIT SIGN TO REMAIN AND BE REUSED.
- ④ EXISTING WALL MOUNTED SECURITY CAMERA TO REMAIN AND BE REUSED.
- ⑤ EXISTING LIGHT FIXTURE ON NORMAL POWER AND ASSOCIATED LIGHTING CONTROLS TO REMAIN AND BE REUSED.
- ⑥ EXISTING UNSWITCHED LIGHT FIXTURE ON EMERGENCY POWER TO REMAIN AND BE REUSED.
- ⑦ NEW RECESSED CEILING LIGHT FIXTURE TO MATCH EXISTING, TYPE AS NOTED.
- ⑧ CIRCUIT NEW LIGHT FIXTURES TO EXISTING BRANCH CIRCUIT AND LIGHTING CONTROL RELAY/POWER PACK AND OVERRIDE SWITCHES WHICH SERVED THE EXISTING PENDANT LIGHT FIXTURES WHICH WERE REMOVED.
- ⑨ INDICATES REUSED EXISTING BRANCH CIRCUIT TO PANEL 08A CIRCUIT 9 VIA EXISTING LIGHTING CONTROL RELAY/POWER PACK 1 AND EXISTING "d" OVERRIDE SWITCHES.
- ⑩ NEW CEILING MOUNTED MOTION SENSOR, TYPE AND MANUFACTURER TO MATCH EXISTING, WIRED WITH PLENUM RATED CONTROL CABLE TO CONTROL REUSED EXISTING RELAY/POWER PACK WHICH CONTROLLED PENDANT LIGHT FIXTURES WHICH WERE REMOVED. WIRE NEW SENSORS TO PROVIDE THE SAME CONTROL OF OPEN AREA LIGHT FIXTURES AS THE EXISTING LIGHTING CONTROLS.
- ⑪ EXISTING CEILING MOUNTED FIRE ALARM SPEAKERS AND STROBES WHICH PROVIDE COVERAGE FOR THIS AREA TO REMAIN AND BE REUSED.



02 GROUND FLOOR EAST - ELECTRICAL LIGHTING ALTERATION PLAN
SCALE: 1/4" = 1' - 0"



01 GROUND FLOOR EAST - ELECTRICAL LIGHTING DEMOLITION PLAN
SCALE: 1/4" = 1' - 0"

ISSUE / REVISION

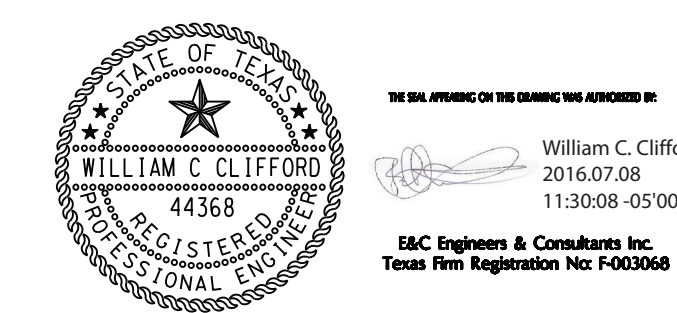
No.	Date	Description
1	07/08/2016	Issue for Construction

UT Health MSB
1st Floor Infill
LRC 3 & 4



Electrical Lighting
Demolition and
Alteration Plans
Ground Floor East

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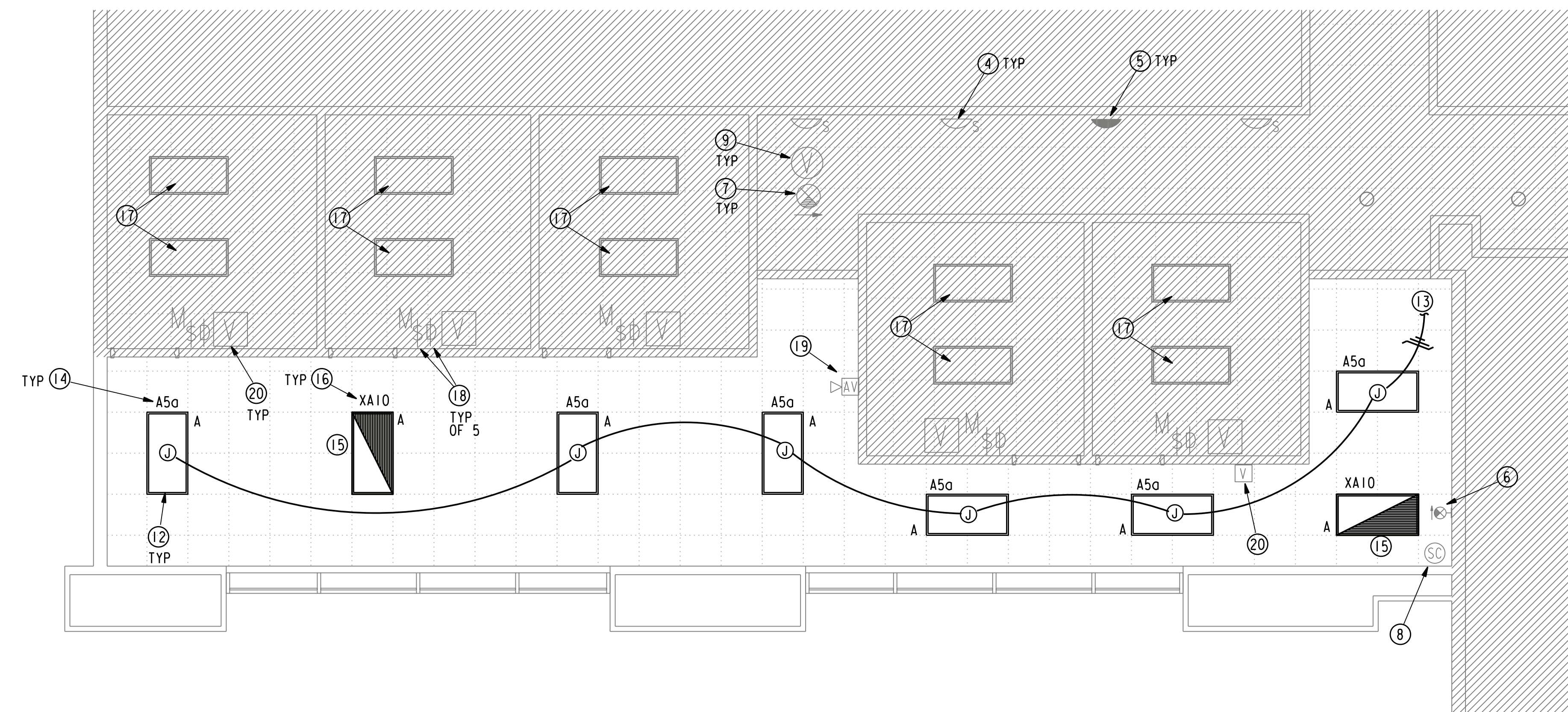


GENERAL NOTES:

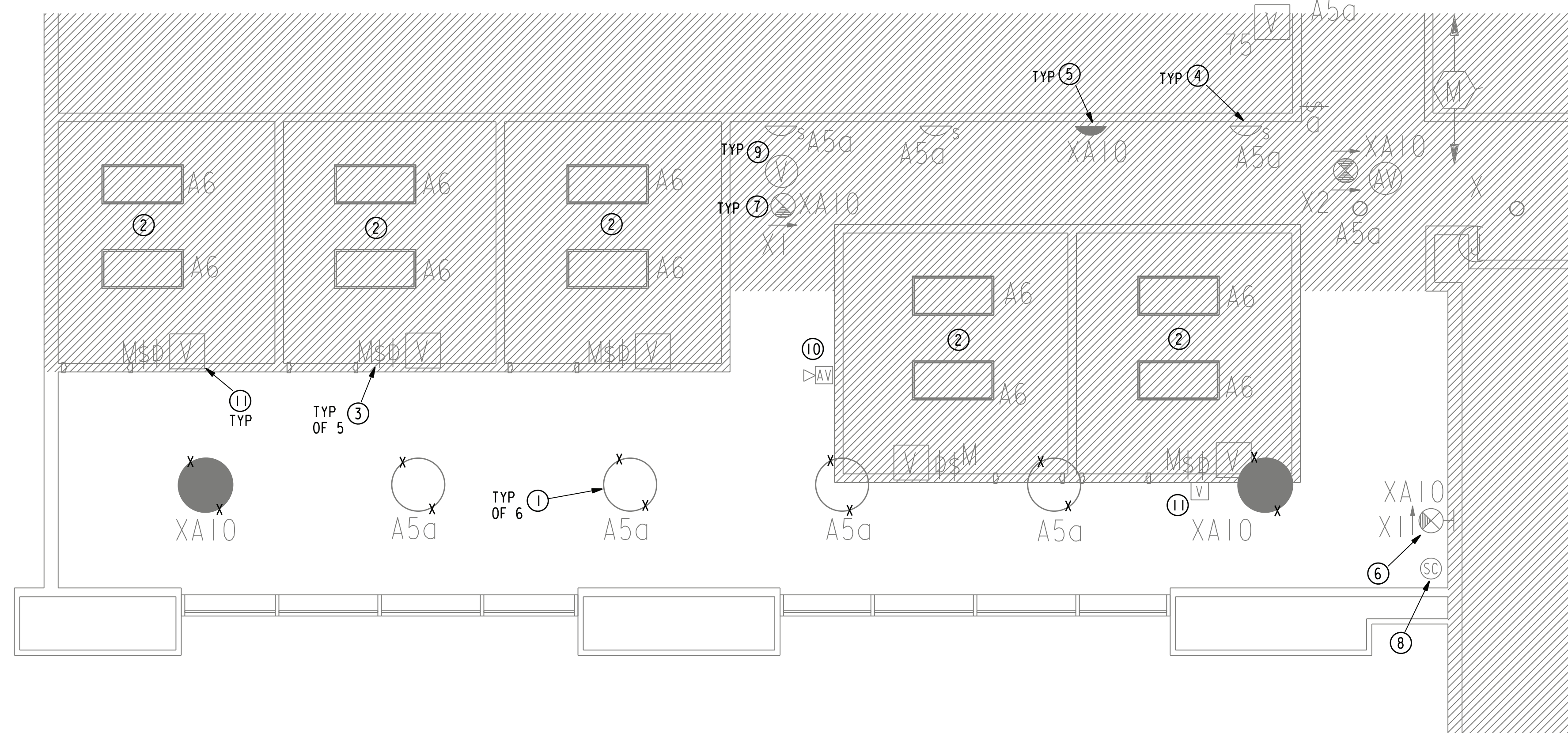
- A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
- B. MODIFICATIONS AND ADDITIONS TO THE EXISTING BUILDING FIRE ALARM SYSTEM SHALL BE DESIGNED, PREPARED AND SIGNED BY A STATE OF TEXAS LICENSED FIRE ALARM PLANNING SUPERINTENDENT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS. FIRE ALARM DEVICES SHOWN ON THE DRAWINGS ARE FOR GENERAL SCOPE AND COORDINATION ONLY AND ALL FIRE ALARM DEVICES REQUIRED BY THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS SHALL BE PROVIDED.

DRAWING NOTES:

- ① REMOVE EXISTING PENDANT LIGHT FIXTURE AND ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT. STORE REMOVED LIGHT FIXTURE AS DIRECTED BY OWNER. RE: RE: 02/EL1.0GAW, NOTES 13 AND 15 FOR REUSE OF EXISTING BRANCH CIRCUITS AND LIGHTING CONTROL RELAY AND OVERRIDE SWITCHES TO SERVE NEW LIGHT FIXTURES.
- ② REMOVE EXISTING STUDY ROOM LIGHT FIXTURES AND ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT IN ROOM CEILING SPACE AS REQUIRED TO ALLOW THE CEILING AND EXISTING STRUCTURAL CLOSURE TO BE REMOVED. STORE REMOVED LIGHT FIXTURES FOR REINSTALLATION. RE: 02/EL1.0GAW, NOTE 17.
- ③ EXISTING OCCUPANCY SENSING SWITCH AND DIMMER CONTROLLING EXISTING STUDY ROOM LIGHTING TO REMAIN AND BE REUSED. REMOVE ASSOCIATED SWITCH BRANCH CIRCUIT WIRING AND CONDUIT IN ROOM WALL AND CEILING SPACE AS REQUIRED TO ALLOW THE CEILING AND EXISTING STRUCTURAL CLOSURE TO BE REMOVED. RE: 02/EL1.0GAW, NOTE 18 FOR SWITCH BRANCH CIRCUIT WIRING AND CONDUIT REINSTALLATION.
- ④ EXISTING RELAY CONTROLLED LIGHT FIXTURE ON NORMAL POWER TO REMAIN AND BE REUSED.
- ⑤ EXISTING UNSWITCHED LIGHT FIXTURE ON EMERGENCY POWER TO REMAIN AND BE REUSED.
- ⑥ EXISTING WALL MOUNTED EXIT SIGN TO REMAIN AND BE REUSED.
- ⑦ EXISTING CEILING MOUNTED EXIT SIGN TO REMAIN AND BE REUSED.
- ⑧ EXISTING WALL MOUNTED SECURITY CAMERA TO REMAIN AND BE REUSED.
- ⑨ EXISTING CEILING MOUNTED FIRE ALARM STROBE TO REMAIN AND BE REUSED.
- ⑩ EXISTING WALL MOUNTED FIRE ALARM SPEAKER/STROBE TO REMAIN AND BE REUSED. REMOVE ASSOCIATED FIRE ALARM WIRING AND CONDUIT IN ROOM WALL AND CEILING SPACE AS REQUIRED TO ALLOW THE CEILING AND EXISTING STRUCTURAL CLOSURE TO BE REMOVED. RE: 02/EL1.0GAW, NOTE 19 FOR FIRE ALARM WIRING AND CONDUIT REINSTALLATION.
- ⑪ EXISTING WALL MOUNTED FIRE ALARM STROBE TO REMAIN AND BE REUSED. REMOVE ASSOCIATED FIRE ALARM WIRING AND CONDUIT IN ROOM WALL AND CEILING SPACE AS REQUIRED TO ALLOW THE CEILING AND EXISTING STRUCTURAL CLOSURE TO BE REMOVED. RE: 02/EL1.0GAW, NOTE 20 FOR FIRE ALARM WIRING AND CONDUIT REINSTALLATION.
- ⑫ NEW FLUORESCENT LIGHT FIXTURE, TYPE AS INDICATED. FOR LIGHTING ALTERNATE E1, PROVIDE ALTERNATE TYPE A LED LIGHT FIXTURES AND ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
- ⑬ CIRCUIT NEW LIGHT FIXTURES TO EXISTING BRANCH CIRCUIT AND LIGHTING CONTROL RELAY PACK AND OVERRIDE SWITCHES WHICH SERVED THE EXISTING PENDANT LIGHT FIXTURES WHICH WERE REMOVED.
- ⑭ INDICATES REUSED EXISTING BRANCH CIRCUIT TO PANEL GH4 CIRCUIT 5 VIA EXISTING LIGHTING CONTROL RELAY "o" AND EXISTING "o" OVERRIDE SWITCHES.
- ⑮ CIRCUIT NEW LIGHT FIXTURE UNSWITCHED TO REUSED EXISTING EMERGENCY LIGHTING BRANCH CIRCUIT.
- ⑯ INDICATES REUSED EXISTING EMERGENCY BRANCH CIRCUIT TO PANEL GHXA CIRCUIT 10.
- ⑰ AFTER THE NEW INFILL SLAB IS INSTALLED, REINSTALL EXISTING LIGHT FIXTURES IN NEW CEILING WITH NEW BRANCH CIRCUIT WIRING TO REUSED EXISTING BRANCH CIRCUITS TO MATCH ORIGINAL EXISTING INSTALLATION. FOR LIGHTING ALTERNATE E1, REPLACE EXISTING LIGHT FIXTURES WITH ALTERNATE TYPE A LED LIGHT FIXTURES AND ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
- ⑱ AFTER THE NEW INFILL SLAB IS INSTALLED, REINSTALL SWITCH BRANCH CIRCUIT WIRING AND CONDUIT IN ROOM WALL AND CEILING SPACE TO MATCH ORIGINAL EXISTING INSTALLATION.
- ⑲ AFTER THE NEW INFILL SLAB IS INSTALLED, REINSTALL FIRE ALARM SPEAKER/STROBE FIRE ALARM WIRING AND CONDUIT IN ROOM WALL AND CEILING SPACE TO MATCH ORIGINAL EXISTING INSTALLATION.
- ⑳ AFTER THE NEW INFILL SLAB IS INSTALLED, REINSTALL FIRE ALARM STROBE FIRE ALARM WIRING AND CONDUIT IN ROOM WALL AND CEILING SPACE TO MATCH ORIGINAL EXISTING INSTALLATION.



02 GROUND FLOOR WEST - ELECTRICAL LIGHTING ALTERATION PLAN
SCALE: 1/4" = 1' - 0"



01 GROUND FLOOR WEST - ELECTRICAL LIGHTING DEMOLITION PLAN
SCALE: 1/4" = 1' - 0"

UT Health MSB
1st Floor Infill
LRC 3 & 4



Electrical Lighting
Demolition and
Alteration Plans
Ground Floor West

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Structural Engineer

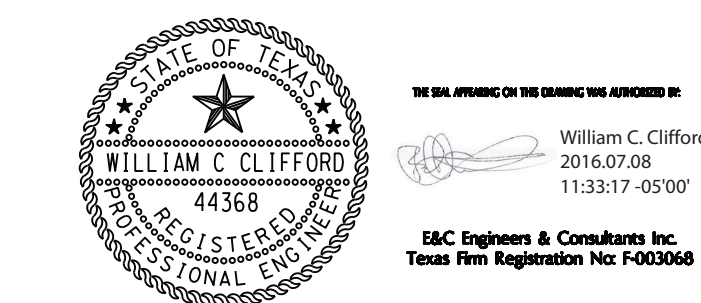
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2016.07.08
11.13.17.09.00

Issues / Revisions

No.	Date	Description
1	07/08/2016	Issue for Construction

**UT Health MSB
1st Floor Infill
LRC 3 & 4**



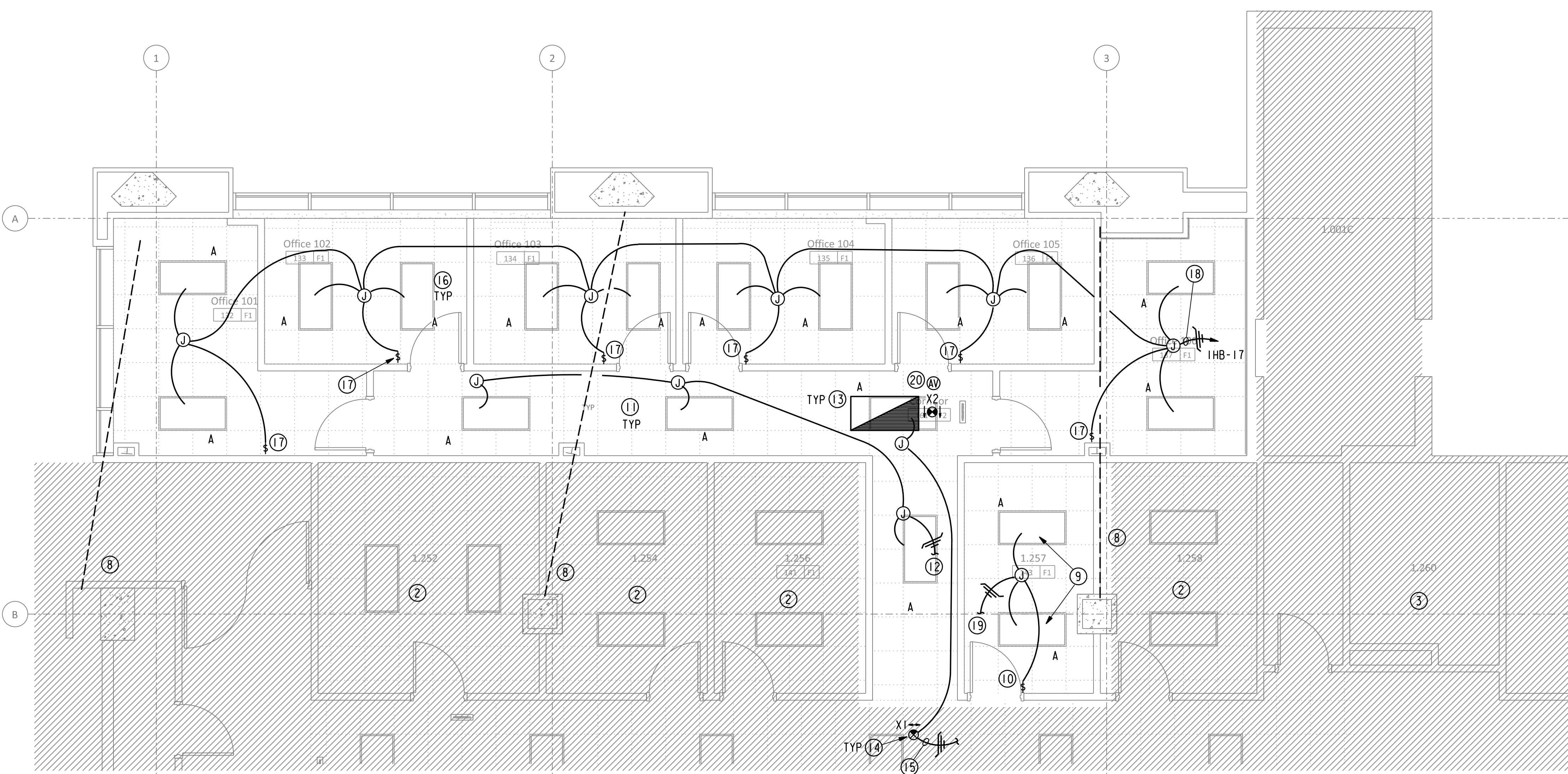
**Electrical Lighting
Demolition and
Alteration Plans
First Floor East**

GENERAL NOTES:

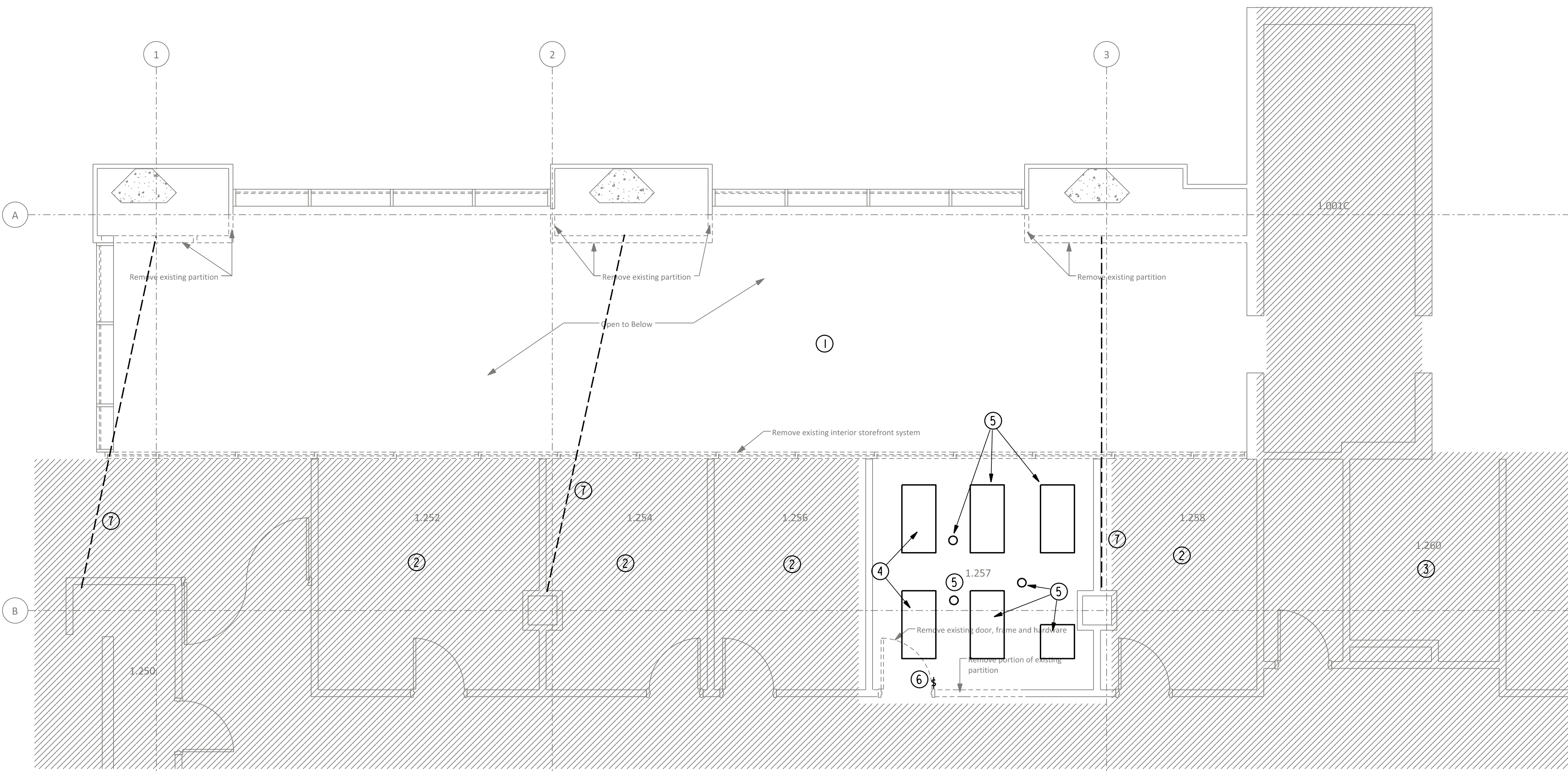
- A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
- B. THE BUILDING FIRE ALARM SYSTEM SHALL BE PREPARED BY A STATE OF TEXAS LICENSED FIRE ALARM PLANNING SUPERINTENDENT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS. FIRE ALARM DEVICES SHOWN ON THE DRAWINGS ARE FOR GENERAL SCOPE AND COORDINATION ONLY AND ALL FIRE ALARM DEVICES REQUIRED BY THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS SHALL BE PROVIDED.
- C. FIRE ALARM DEVICE LOCATIONS SHOWN ON THE DRAWINGS ARE FOR GENERAL COORDINATION PURPOSES ONLY. A STATE LICENSED FIRE ALARM CONTRACTOR SHALL DESIGN THE FIRE ALARM SYSTEM/SYSTEM MODIFICATIONS FOR THE SPACE AS SPECIFIED WITH ALL FIRE ALARM DEVICES AND FUNCTIONS, INCLUDING DEVICES AND FUNCTIONS IN ADDITION TO THOSE SHOWN ON THIS DRAWING, AS REQUIRED BY THE SPECIFICATIONS, APPLICABLE CODES AND STANDARDS AND THE AHJ.
- D. ALL CEILING MOUNTED STROBES SHALL COMPLY WITH NFPA 72 FOR LAMP TYPE, LAMP COLOR, PULSE DURATION, INTENSITY, AND FLASH RATE. ALL CEILING MOUNTED STROBES SHALL COMPLY WITH NFPA 72 FOR THE CEILING HEIGHT THEY ARE MOUNTED IN. THE MAXIMUM ALLOWABLE SOUND LEVEL OF THE CEILING MOUNTED DEVICE SHALL BE NO MORE THAN 110DB AT THE MINIMUM HEARING DISTANCE FROM THE DEVICE.
- E. ALL FIRE ALARM WIRING SHALL BE RUN PARALLEL AND PERPENDICULAR TO THE BUILDING LINES AND SHALL IN GENERAL FOLLOW THE SAME PATH AS THE NEW VOICE/DATA CABLING. NEW AND EXISTING FIRE ALARM WIRING SHALL BE SUPPORTED ON J HOOKS OR ATTACHED TO CEILING SUPPORT WIRES USING APPROVED CLIPS. NEW AND EXISTING FIRE ALARM WIRING SHALL NOT BE SUPPORTED ON THE CEILING GRID OR TILE.

DRAWING NOTES:

- 1 RE: ELI.06AE FOR REMOVAL OF EXISTING PENDANT LIGHT FIXTURES.
- 2 FOR BASE BID EXISTING LIGHTING AND ASSOCIATED LIGHTING CONTROLS AND BRANCH CIRCUIT WIRING IN THIS ROOM TO REMAIN AND BE REUSED. REMOVE AND REINSTALL LIGHT FIXTURES AS REQUIRED TO INSTALL NEW HVAC TERMINAL UNITS AND DUCTWORK. RE: DELI.01A AND ELI.01A FOR ALTERNATE 2 LIGHT FIXTURE AND LIGHTING CONTROL REPLACEMENT IN THIS ROOM.
- 3 FOR BASE BID EXISTING LIGHTING AND ASSOCIATED LIGHTING CONTROLS AND BRANCH CIRCUIT WIRING IN THIS ROOM TO REMAIN AND BE REUSED. RE: DELI.01A AND ELI.01A FOR ALTERNATE 2 LIGHT FIXTURE AND LIGHTING CONTROL REPLACEMENT IN THIS ROOM.
- 4 REMOVE EXISTING OFFICE LIGHT FIXTURE AND ASSOCIATED BRANCH CIRCUIT WIRING.
- 5 FOR BASE BID, REMOVE EXISTING INCANDESCENT AND FLUORESCENT LIGHT FIXTURES AND ASSOCIATED BRANCH CIRCUIT AND SWITCH WIRING AS REQUIRED TO ALLOW NEW STRUCTURAL BEAM TO BE INSTALLED. RE: OZ/ELI.01AE NOTE 9 FOR NEW LIGHT FIXTURES IN THIS ROOM.
- 6 REMOVE EXISTING LIGHT SWITCH, DIMMER AND ASSOCIATED BRANCH CIRCUIT WIRING. RE: OZ/ELI.01AE NOTE 10 FOR NEW LIGHTING CONTROLS FOR ROOM LIGHTING.
- 7 RELOCATE EXISTING ABOVE CEILING ELECTRICAL WORK AS REQUIRED TO ALLOW NEW STRUCTURAL BEAM TO BE INSTALLED.
- 8 NEW OVERHEAD STRUCTURAL BEAM, RE: STRUCTURAL DRAWINGS.
- 9 FOR BASE BID, INSTALL FLUORESCENT LIGHT FIXTURES, TYPE AS NOTED, IN THIS ROOM. ALTERNATE 2, PROVIDE (2) NEW TYPE A LED LIGHT FIXTURES IN THIS ROOM.
- 10 FOR BASE BID, PROVIDE A NEW WATT STOPPER NO. DSW-100 OR APPROVED EQUAL DUAL TECHNOLOGY WALLBOX OCCUPANCY SENSOR SWITCH TO CONTROL ROOM LIGHTING. FOR ALTERNATE 2, PROVIDE A NEW CREE NO. CFP-1-WH OR APPROVED EQUAL WALL SWITCH WITH WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.
- 11 NEW BASE BID 2 X 4 DIRECT/INDIRECT BASKET FLUORESCENT CORRIDOR LIGHT FIXTURE, TYPE AS NOTED, ON NORMAL POWER. PROVIDE ALTERNATE TYPE A LED LIGHT FIXTURES FOR ALTERNATE 1.
- 12 CIRCUIT TO EXISTING BRANCH CIRCUIT/LIGHTING CONTROLS SERVING EXISTING CORRIDOR NORMAL POWER LIGHT FIXTURES. CONFIRM THAT EXISTING BRANCH CIRCUIT HAS CAPACITY FOR NEW LOAD BEING ADDED PRIOR TO CONNECTING.
- 13 NEW BASE BID 2 X 4 DIRECT/INDIRECT BASKET FLUORESCENT CORRIDOR LIGHT FIXTURE, TYPE AS NOTED, ON EMERGENCY POWER. PROVIDE ALTERNATE TYPE A LED LIGHT FIXTURES FOR ALTERNATE 1.
- 14 NEW LED EXIT SIGN, TYPE AS NOTED.
- 15 CIRCUIT UNSWITCHED TO EXISTING BRANCH CIRCUIT SERVING EXISTING CORRIDOR EMERGENCY POWER LIGHT FIXTURES AND EXIT SIGNS. CONFIRM THAT EXISTING BRANCH CIRCUIT HAS CAPACITY FOR NEW LOAD BEING ADDED PRIOR TO CONNECTING.
- 16 NEW BASE BID 2 X 4 FLUORESCENT LIGHT FIXTURE, TYPE AS NOTED. PROVIDE ALTERNATE TYPE A LED LIGHT FIXTURES FOR ALTERNATE 1.
- 17 FOR BASE BID, PROVIDE A NEW WATT STOPPER NO. DSW-100 OR APPROVED EQUAL DUAL TECHNOLOGY WALLBOX OCCUPANCY SENSOR SWITCH TO CONTROL ROOM LIGHTING. FOR ALTERNATE 1, PROVIDE A NEW CREE NO. CFP-1-WH OR APPROVED EQUAL WALL SWITCH WITH WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.
- 18 NEW BRANCH CIRCUIT HOMERUN TO A NEW 20A/1P CIRCUIT BREAKER INSTALLED IN AN EXISTING SPACE IN PANEL INDICATED. UPDATE PANEL SCHEDULE TO SHOW NEW LOADS ADDED. RE: O1/EPI.01A FOR APPROXIMATE PANEL LOCATION.
- 19 CIRCUIT NEW ROOM LIGHT FIXTURES TO EXISTING BRANCH CIRCUIT WHICH SERVED EXISTING OFFICE FLUORESCENT LIGHTING.
- 20 PROPOSED LOCATION FOR NEW CEILING MOUNTED FIRE ALARM SPEAKER/STROBE, RE: GENERAL NOTES B-G.



02 FIRST FLOOR EAST - ELECTRICAL LIGHTING ALTERATION PLAN
SCALE: 1/4" = 1' - 0"



01 FIRST FLOOR EAST - ELECTRICAL LIGHTING DEMOLITION PLAN
SCALE: 1/4" = 1' - 0"

Structural Engineer

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MEP Engineer

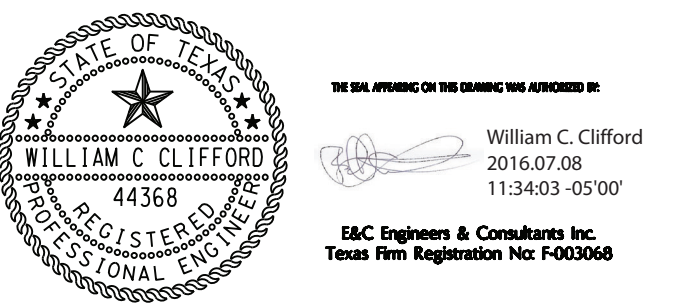
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TX Firm Registration No. F-003068

1010 Lamar St

Houston, TX 77002

(P) 713-580-8800



Issues / Revisions

No.	Date	Description
1	07/08/2016	Issue for Construction

Project

**UT Health MSB
1st Floor Infill
LRC 3 & 4**



**The University of Texas
Health Science Center at Houston**

Drawing Name

**Electrical Lighting
Demolition and
Alteration Plans
First Floor West**

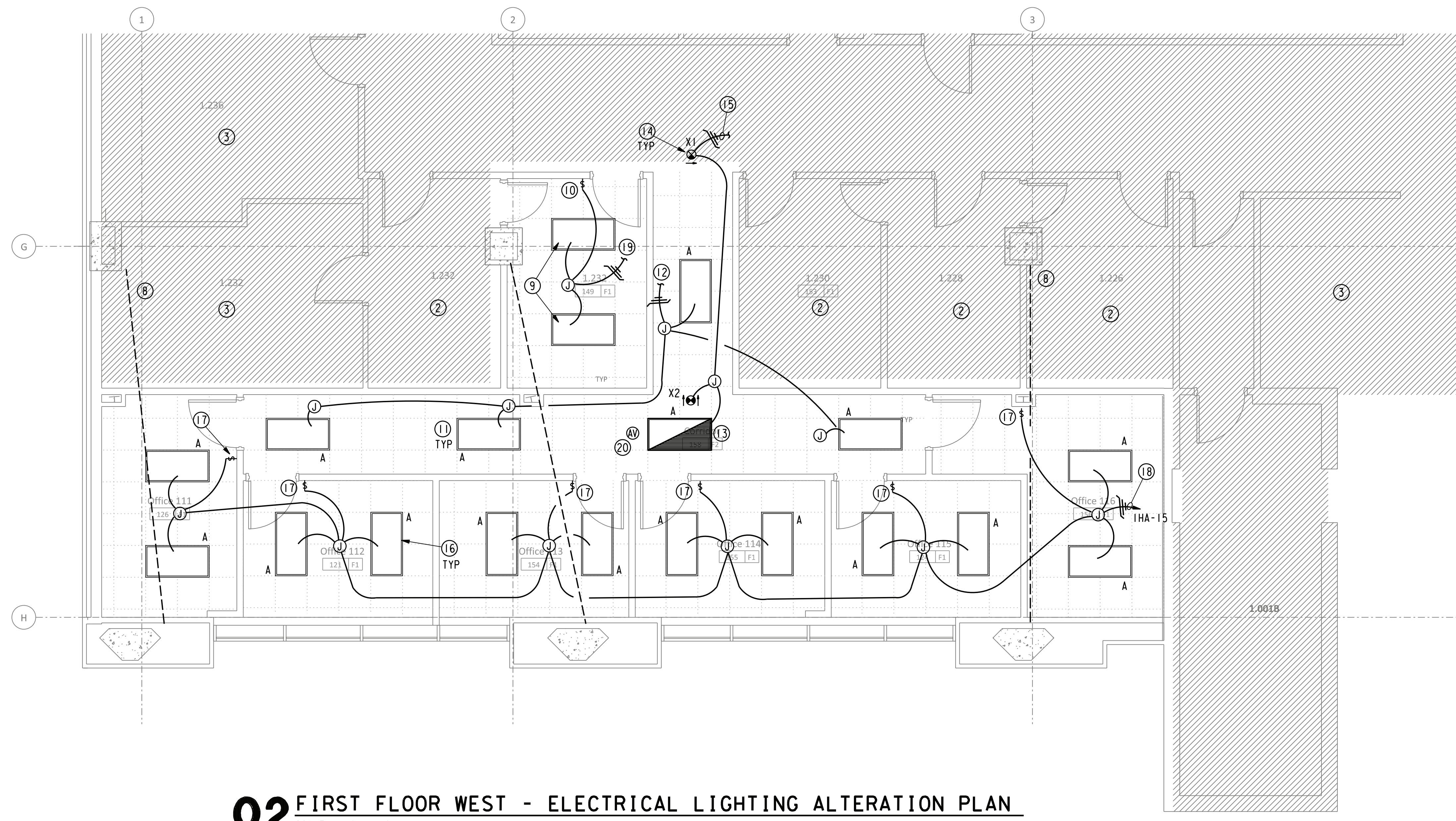
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GENERAL NOTES:

- A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
- B. THE BUILDING FIRE ALARM SYSTEM SHALL BE PREPARED BY A STATE OF TEXAS LICENSED FIRE ALARM PLANNING SUPERINTENDENT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS. FIRE ALARM DEVICES SHOWN ON THE DRAWINGS ARE FOR GENERAL SCOPE AND COORDINATION ONLY AND ALL FIRE ALARM DEVICES REQUIRED BY THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS SHALL BE PROVIDED.
- C. FIRE ALARM DEVICE LOCATIONS SHOWN ON THE DRAWINGS ARE FOR GENERAL COORDINATION PURPOSES ONLY. A STATE LICENSED FIRE ALARM CONTRACTOR SHALL DESIGN THE FIRE ALARM SYSTEM/SYSTEM MODIFICATIONS FOR THE SPACE AS SPECIFIED WITH ALL FIRE ALARM DEVICES AND FUNCTIONS, INCLUDING DEVICES AND FUNCTIONS IN ADDITION TO THOSE SHOWN ON THIS DRAWING, AS REQUIRED BY THE SPECIFICATIONS, APPLICABLE CODES AND STANDARDS AND THE AHJ.
- D. ALL CEILING MOUNTED STROBES SHALL COMPLY WITH NFPA 72 FOR LAMP TYPE, LAMP COLOR, PULSE DURATION, INTENSITY, AND FLASH RATE. ALL CEILING MOUNTED STROBES SHALL COMPLY WITH NFPA 72 FOR THE CEILING HEIGHT THEY ARE MOUNTED IN. THE MAXIMUM ALLOWABLE SOUND LEVEL OF THE CEILING MOUNTED DEVICE SHALL BE NO MORE THAN 110DB AT THE MINIMUM HEARING DISTANCE FROM THE DEVICE.
- E. ALL FIRE ALARM WIRING SHALL BE RUN PARALLEL AND PERPENDICULAR TO THE BUILDING LINES AND SHALL IN GENERAL FOLLOW THE SAME PATH AS THE NEW VOICE/DATA CABLING. NEW AND EXISTING FIRE ALARM WIRING SHALL BE SUPPORTED ON J HOOKS OR ATTACHED TO CEILING SUPPORT WIRES USING APPROVED CLIPS. NEW AND EXISTING FIRE ALARM WIRING SHALL NOT BE SUPPORTED ON THE CEILING GRID OR TILE.

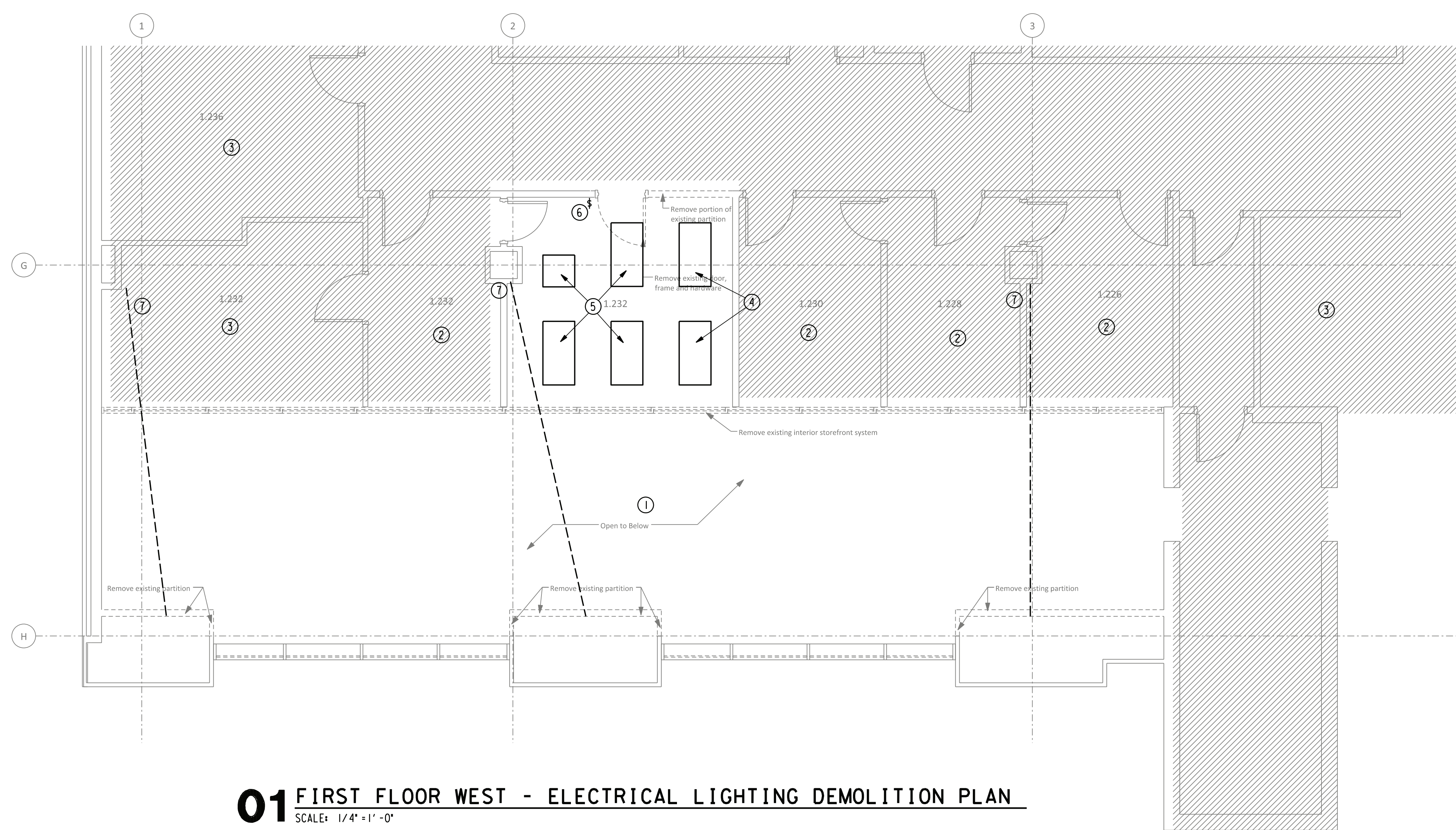
DRAWING NOTES:

- 1 RE: EL1.0GAW FOR REMOVAL OF EXISTING PENDANT LIGHT FIXTURES.
- 2 FOR BASE BID EXISTING LIGHTING AND ASSOCIATED LIGHTING CONTROLS AND BRANCH CIRCUIT WIRING IN THIS ROOM TO REMAIN AND BE REUSED. REMOVE AND REINSTALL LIGHT FIXTURES AS REQUIRED TO INSTALL NEW HVAC TERMINAL UNITS AND DUCTWORK. RE: DEL1.01A AND EL1.01A FOR ALTERNATE 2 LIGHT FIXTURE AND LIGHTING CONTROL REPLACEMENT IN THIS ROOM.
- 3 FOR BASE BID EXISTING LIGHTING AND ASSOCIATED LIGHTING CONTROLS AND BRANCH CIRCUIT WIRING IN THIS ROOM TO REMAIN AND BE REUSED. RE: DEL1.01A AND EL1.01A FOR ALTERNATE 2 LIGHT FIXTURE AND LIGHTING CONTROL REPLACEMENT IN THIS ROOM.
- 4 REMOVE EXISTING OFFICE LIGHT FIXTURE AND ASSOCIATED BRANCH CIRCUIT WIRING.
- 5 FOR BASE BID, REMOVE EXISTING INCANDESCENT AND FLUORESCENT LIGHT FIXTURES AND ASSOCIATED BRANCH CIRCUIT AND SWITCH WIRING AS REQUIRED TO ALLOW NEW STRUCTURAL BEAM TO BE INSTALLED. RE: 02/EL1.01AE NOTE 9 FOR NEW LIGHT FIXTURES IN THIS ROOM.
- 6 FOR BASE BID EXISTING LIGHT SWITCH AND ASSOCIATED BRANCH CIRCUIT WIRING TO REMAIN AND BE RECONNECTED TO CONTROL ROOM LIGHTING. RE: 02/EL1.01AW NOTE 10. RE: DEL1.01A AND EL1.01A FOR ALTERNATE 2 LIGHTING AND LIGHTING CONTROL REPLACEMENT IN THIS ROOM.
- 7 RELOCATE EXISTING ABOVE CEILING ELECTRICAL WORK AS REQUIRED TO ALLOW NEW STRUCTURAL BEAM TO BE INSTALLED.
- 8 NEW OVERHEAD STRUCTURAL BEAM(S), RE: STRUCTURAL DRAWINGS.
- 9 FOR BASE BID, INSTALL FLUORESCENT LIGHT FIXTURES, TYPE AS NOTED, IN THIS ROOM. ALTERNATE 2, PROVIDE (2) NEW TYPE A LED LIGHT FIXTURES IN THIS ROOM.
- 10 FOR BASE BID, PROVIDE A NEW WATT STOPPER NO. DSW-100 OR APPROVED EQUAL DUAL TECHNOLOGY WALLBOX OCCUPANCY SENSOR SWITCH TO CONTROL ROOM LIGHTING. FOR ALTERNATE 2, PROVIDE A NEW CREE NO. CFP-1-WH OR APPROVED EQUAL WALL SWITCH WITH WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.
- 11 NEW BASE BID 2 X 4 DIRECT/INDIRECT BASKET FLUORESCENT CORRIDOR LIGHT FIXTURE, TYPE AS NOTED, ON NORMAL POWER. PROVIDE ALTERNATE TYPE A LED LIGHT FIXTURES FOR ALTERNATE 1.
- 12 CIRCUIT TO EXISTING BRANCH CIRCUIT/LIGHTING CONTROLS SERVING EXISTING CORRIDOR NORMAL POWER LIGHT FIXTURES. CONFIRM THAT EXISTING BRANCH CIRCUIT HAS CAPACITY FOR NEW LOAD BEING ADDED PRIOR TO CONNECTING.
- 13 NEW BASE BID 2 X 4 DIRECT/INDIRECT BASKET FLUORESCENT CORRIDOR LIGHT FIXTURE, TYPE AS NOTED, ON EMERGENCY POWER. PROVIDE ALTERNATE TYPE A LED LIGHT FIXTURES FOR ALTERNATE 1.
- 14 NEW LED EXIT SIGN, TYPE AS NOTED.
- 15 CIRCUIT UNSWITCHED TO EXISTING BRANCH CIRCUIT SERVING EXISTING CORRIDOR EMERGENCY POWER LIGHT FIXTURES AND EXIT SIGNS. CONFIRM THAT EXISTING BRANCH CIRCUIT HAS CAPACITY FOR NEW LOAD BEING ADDED PRIOR TO CONNECTING.
- 16 NEW BASE BID 2 X 4 FLUORESCENT LIGHT FIXTURE, TYPE AS NOTED. PROVIDE ALTERNATE TYPE A LED LIGHT FIXTURES FOR ALTERNATE 1.
- 17 FOR BASE BID, PROVIDE A NEW WATT STOPPER NO. DSW-100 OR APPROVED EQUAL DUAL TECHNOLOGY WALLBOX OCCUPANCY SENSOR SWITCH TO CONTROL ROOM LIGHTING. FOR ALTERNATE 2, PROVIDE A NEW CREE NO. CFP-1-WH OR APPROVED EQUAL WALL SWITCH WITH WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.
- 18 NEW BRANCH CIRCUIT HOMERUN TO A NEW 20A/1P CIRCUIT BREAKER INSTALLED IN AN EXISTING SPACE IN PANEL INDICATED. UPDATE PANEL SCHEDULE TO SHOW NEW LOADS ADDED. RE: 01/EP1.01A FOR APPROXIMATE PANEL LOCATION.
- 19 CIRCUIT NEW ROOM LIGHT FIXTURES TO EXISTING BRANCH CIRCUIT WHICH SERVED EXISTING OFFICE FLUORESCENT LIGHTING.
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02 FIRST FLOOR WEST - ELECTRICAL LIGHTING ALTERATION PLAN

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



01 FIRST FLOOR WEST - ELECTRICAL LIGHTING DEMOLITION PLAN

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

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