

ADDENDUM 3

DATE: November 18, 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.

2.1 Submittal Deadline

UTHealth will accept proposals submitted in response to this RFP until 2:00PM, Central Standard Time (CST) on **Monday, December 12, 2016** (the "**Submittal Deadline**").

2.2 UTHealth Contact Person

*University instructs interested parties to restrict all contact and questions regarding this RFP to written communications delivered (i) in accordance with this Section on or before **Wednesday, November 23, 2016 at 5PM CST (Question Deadline)**, or (ii) if questions relate to Historically Underutilized Businesses, in accordance with **Section 2.5** of this RFP.*

University will provide responses as soon as practicable following the Question Deadline. University intends to respond to all timely submitted questions. However, University reserves the right to decline to respond to any question.

2.4 Key Events Schedule

Deadline for Questions/Concerns Wednesday, November 23, 2016 5:00PM CST
(ref. **Section 2.2** of this RFP)

Submittal Deadline Monday, December 12, 2016 at 2:00PM CST
(ref. **Section 2.1** of this RFP)

HSP Submittal Deadline Tuesday, December 13, 2016 at 2:00PM CST
(ref. **Section 2.5** of this RFP)

2.5 Historically Underutilized Businesses

2.5.6 **HUB Subcontracting Plans will be evaluated on Tuesday, December 13, 2016 at 2:00PM CST. An email will be sent to all Respondents indicating those plans that passed and failed. At that time, the bids with a passing HUB Subcontracting Plan will be opened.**

The following questions were submitted before the deadline and the responses are in red:

1. Please confirm that this project is to follow the Harris County Building Construction Prevailing Wage Rates (Quarter 4 of 2016) found at <http://appsqa.harriscountytexas.gov/AE/hcpid/prevailingwage.aspx>
The prevailing wage used for this project can be found in the Special Conditions – Appendix Seven of the RFP documents.
2. Please confirm that a full time superintendent is required for the duration of the project.
Yes.
3. Please confirm that test and balance scope of work will be by the owner.
Yes. TAB by owner.
4. Will temporary partitions be required on the ground level as well as level 1?
We foresee a separating partition being required on the ground floor to separate the occupied area from the construction noise/dust/disruption.
5. Will the work beyond the borders of the project as shown on the drawings be required during after-hours?
New architectural drawings are addressed within this Addendum.
6. Will noisy work be required after hours?
Noisy/dusty/disruptive work is only allowed after hours as indicated in our UGC/SC.
7. For door type A00, is the frame material hollow metal? No specification was provided for hollow metal. Only a aluminum door and frames specification was provided.
Hollow metal, no aluminum frames. Specifications provided within this Addendum – See Section 08 23 13.
8. Will door closers need to be provided, as they are not called for in the drawings? Door closers are called out in the specs as provided for doors UNO.
No door closers.
9. General note D on page DM1.01A states to remove all existing tubing back to the main for any pneumatic terminal units, are there any pneumatic terminal units within out scope of work? If so, where please show on drawing or detail?
No General Note D on DM1.01A. Note 1 on DM1.01A clearly notes to remove dashed existing HVAC.
10. The room finish schedule calls for 2'x4' ACT, the specifications call for 12"x12" ACT and the reflected ceiling plans show 2'x2' ACT. Please clarify the ACT required for this project.
The tile specified within this Addendum.
11. Provide interior elevations or dimensions for glazing that is to receive new horizontal louver blinds.
GC to verify dimensions required.
12. Provide fire-safing insulation specifications.
UL design included within this Addendum.

13. The standard interior floor joint assemblies (Inpro; 316 Series) are not fire rated. If we are to provide a fire rated floor joint assembly, provide more information on the desired assembly. Also, according to the manufacturers' website, the 316 Series is only for joint widths spanning 2"-3". This information conflicts with detail 4/S-200, the only detail found showing an Expansion joint, shows a 1" expansion joint.
There is no expansion joint, detail 4 S-200 to be removed as noted within this Addendum.
14. Please confirm that the only expansion joint assemblies in our scope of work will be 1" assemblies running parallel to the existing storefront systems we will be removing.
There is no gap between existing and new concrete slabs.
15. Provide a revised sheet showing exit signs to be replaced in Alternate #3.
Addressed within this Addendum.
16. Please provide a spec section for the "black-out" window film called out for on detail 16 on A-520.
Existing spandrel glass, note removed
17. Please provide details, 21/A-520, 22/A-520 and 23/A520. They are called out in the partition type schedule but are not shown on sheet A-520.
Wall type removed, will not be rated
18. Please clarify the extent of Alternate #3, what are the boundaries to the replacement of the ceiling tiles at the corridors?
As defined within this Addendum
19. Please provide a new bid form which incorporates Alternates 1, 2, 3 plus an E1 Alternate. **Alternates clarified within this Addendum.**

Alternate #1: **Removed – Add to base**

- a. Drawing note #16 on sheet EL1.01AE, "NEW BASE BID 2 X 4 FLUORESCENT LIGHT FIXTURE, TYPE AS NOTED. PROVIDE ALTERNATE TYPE A LED LIGHT FIXTURES FOR ALTERNATE 1." (Alternate 1 turns a large portion of the new Type A light fixtures to Type A LED light fixtures)

Alternate #2: **Removed – Add to base**

- a. Drawing note #2 on sheet EL1.01AE, "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 EL1.01 FOR ALTERNATE 2 LIGHT FIXTURE AND LIGHTING CONTROL REPLACEMENT IN THIS ROOM.
- b. Drawing note #3 on sheet EL1.01AE, "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 EL1.01 FOR ALTERNATE 2 LIGHT FIXTURE AND LIGHTING CONTROL REPLACEMENT IN THIS ROOM.
- c. Drawing note #9 on sheet EL1.01AE, "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."

d. Notes like these appear on EL1.01AW, several on DEL1.01A and EL1.01A

Alternate #3: **Removed – Add to base**

a. Drawing note #5, 6 & 7 on sheet EL1.01A, "BASE BID, REMOVE AND REINSTALL EXISTING CEILING MOUNTED LIGHTING FIXTURES IN CORRIDOR AS A REQUIRED TO ALLOW NEW HVAC TERMINAL UNITS AND RELATED DUCTWORK, CONTROL WIRING AND CONTROL POWER TO BE REINSTALLED. ALTERNATE 3, PROVIDE (xx) NEW TYPE A LED LIGHT FIXTURES AND NEW TYPE X1 OR X2 LED EXIT SIGNS TO REPLACE EXISTING EXIT SIGNS IN THIS CORRIDOR. CIRCUIT NEW CORRIDOR LIGHT FIXTURES TO EXISTING NORMAL AND EMERGENCY BRANCH CIRCUITS WHICH SERVED EXISTING LIGHTING FIXTURES WHICH ARE BEING REPLACED. CIRCUIT NEW EXIT SIGNS TO EXISTING EMERGENCY CIRCUITS WHICH SERVED THE EXISTING EXIT SIGNS."

b. Drawing note #7 on sheet DEL1.01A, "BASE BID, REMOVE AND REINSTALL EXISTING CEILING MOUNTED LIGHTING FIXTURES IN CORRIDOR AS REQUIRED TO ALLOW NEW HVAC TERMINAL UNITS AND RELATED DUCTWORK, CONTROL WIRING AND CONTROL POWER TO BE INSTALLED. ALTERNATE 3, REMOVE ALL EXISTING CORRIDOR CEILING/LIGHTING REPLACEMENT. RE: 01/EL1.01A FOR NEW CORRIDOR LIGHTING FIXTURES AND EXIT SIGNS.

c. Drawing note #7 on sheet EP1.01A, "BASE BID, REMOVE AND REINSTALL EXISTING CEILING MOUNTED ELECTRICAL DEVICES IN CORRIDOR AS REQUIRED TO ALLOW NEW HVAC TERMINAL UNITS AND RELATED DUCTWORK, CONTROL WIRING AND CONTROL POWER TO BE INSTALLED. ALTERNATE 3, REMOVE ALL EXISTING CEILING MOUNTED ELECTRICAL DEVICES FOR CORRIDOR CEILING REPLACEMENT AND REINSTALL IN NEW CORRIDOR CEILING.

Another alternate, "E1" found on EL1.0GAW.

20. Please confirm that UTHSC will not allow propane forklifts in this building.

Propane forklifts are not allowed in the building.

21. Please confirm what kind of load the first floor can handle as we will need to bring in equipment to lift the beams into place.

These areas were designed for a uniformly distributed live load of 100 PSF per WPM

22. On drawing A-161 - Reflected Ceiling Plans Level 1, does not indicate the need for furr downs for the beams that will be installed. Ceiling grid is shown to be installed at 9'. Please confirm that the beams will be below that elevation.

Ceiling will be 8'

23. On drawing A-520 - Partition Types and Interior Construction Details (Detail 18), detail shows ceiling to tie in to top of window with slot diffuser. The top of existing window is below the 9' ceiling height that is called for on the plans. Please advise. **Ceiling heights are now 8' ceilings, furr down will be required. New detail provided within this addendum.**

24. On drawing A-160 - Reflected Ceiling Plans Ground Floor detail 3, states to demo walls 4" above new ceiling. Offices will need to be completely demoed in order to operate crane during steel erection. Please advise.
Offices will be demolished and rebuilt
25. On drawing 2/A110 & 1/A111 - Please advise if fire rated shafts are to be built at the existing concrete columns along column line A (A110) and H (A-111). If so, please update partition type and provide details.
No fire rated shaft walls, fire safing to be installed between floors within existing shafts, detail to be provided in Addendum 3
26. On drawing A-130 – Please advise if blocking will be required for the furniture shown on A-130.
Yes, check with manufacturer before installing
27. On drawing A-540 – Please provide VCT 1 color
Armstrong Imperial Texture 51810 Washed Linen
28. On drawing A-540 – Please confirm the notated door color is correct.
VT Industries Red Oak Veneer/ Alpine AL07
29. On drawing 16/A520 – Please provide specifications for the aluminum sill extension shown.
Included within this Addendum.
30. Please confirm all existing furniture and equipment will be removed and reinstalled by owner.
UTHealth will remove and reinstall all furniture and equipment with the exception of custom millwork.
31. On drawing A-160 & A-161 the reflective ceiling plan show 2 x 2 ceiling tile. On drawing A-540 the schedule has ACT 1 and 2. Please confirm where ACT 1 and 2 are needed on the drawing.
Only ACT 2 (2'x2') is in the project
32. Plans do not indicate any finishes for the offices which are to remain after the interior storefront windows are removed. We assume that the entire office will require repainting, but are any other finishes such as ceiling or floor replacement required? Please clarify.
Yes. A540 indicates the updated finish schedule. Also, there are specific notes on demolition sheets that direct ceiling and flooring replacement required.
33. Submission of Proposals requires a CD-ROM copy of the proposal. In the event of changes to the proposals just before submission, is it acceptable to submit the CD-ROM when the HUB plan is due?
Yes. The CD-ROM may be submitted with the HUB Subcontracting Plan (HSP) on Tuesday, December 13, 2016.

Additional drawings and Section 08 12 13 are below for clarification as noted in many of the questions above.



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Issues / Revisions

No.	Date	Description
1	07/08/2016	ISSUE FOR CONSTRUCTION
2	11/14/2016	ADDENDUM NO. 3

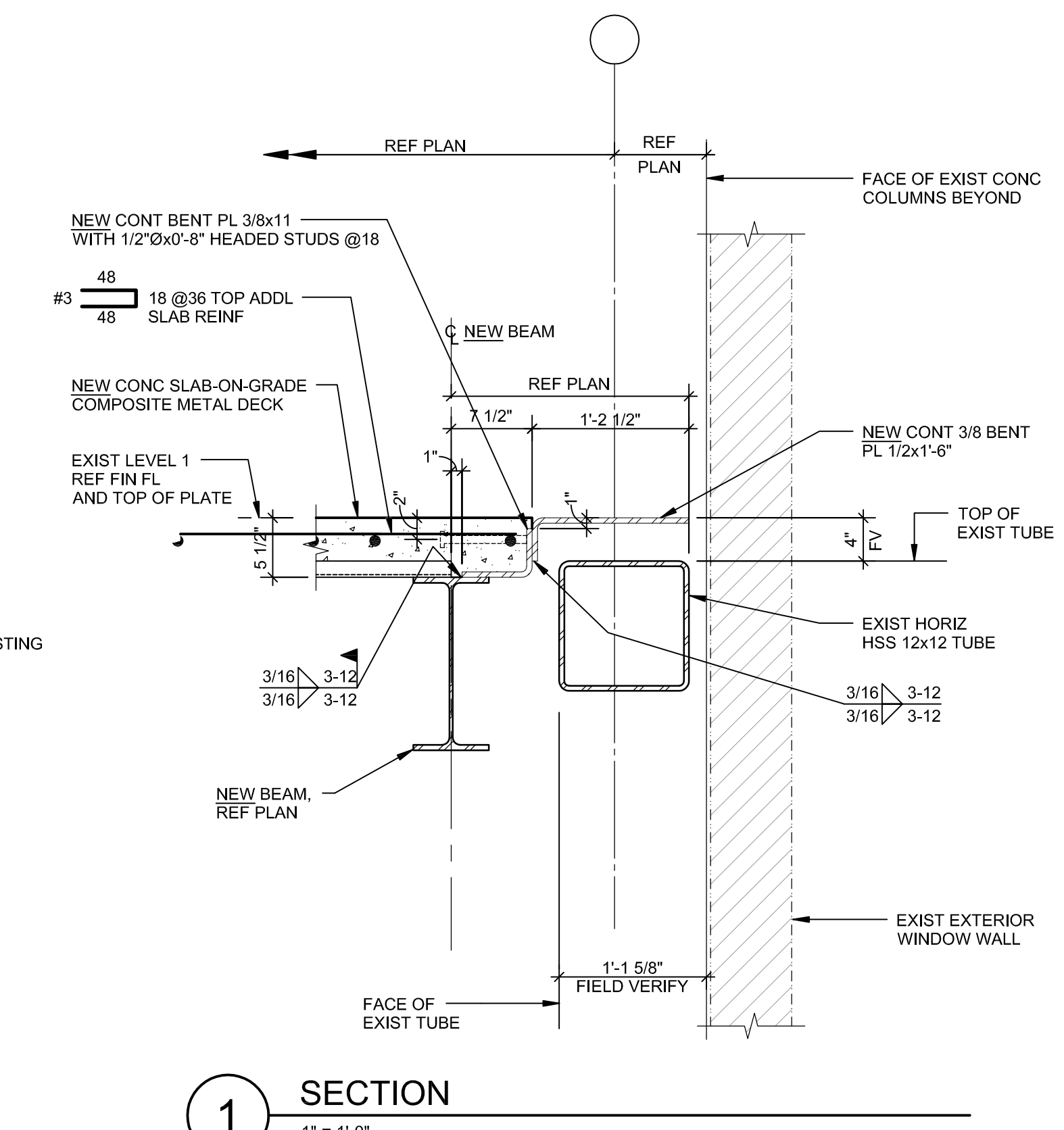
MSB 1st Floor Infill LRC 3 & 4



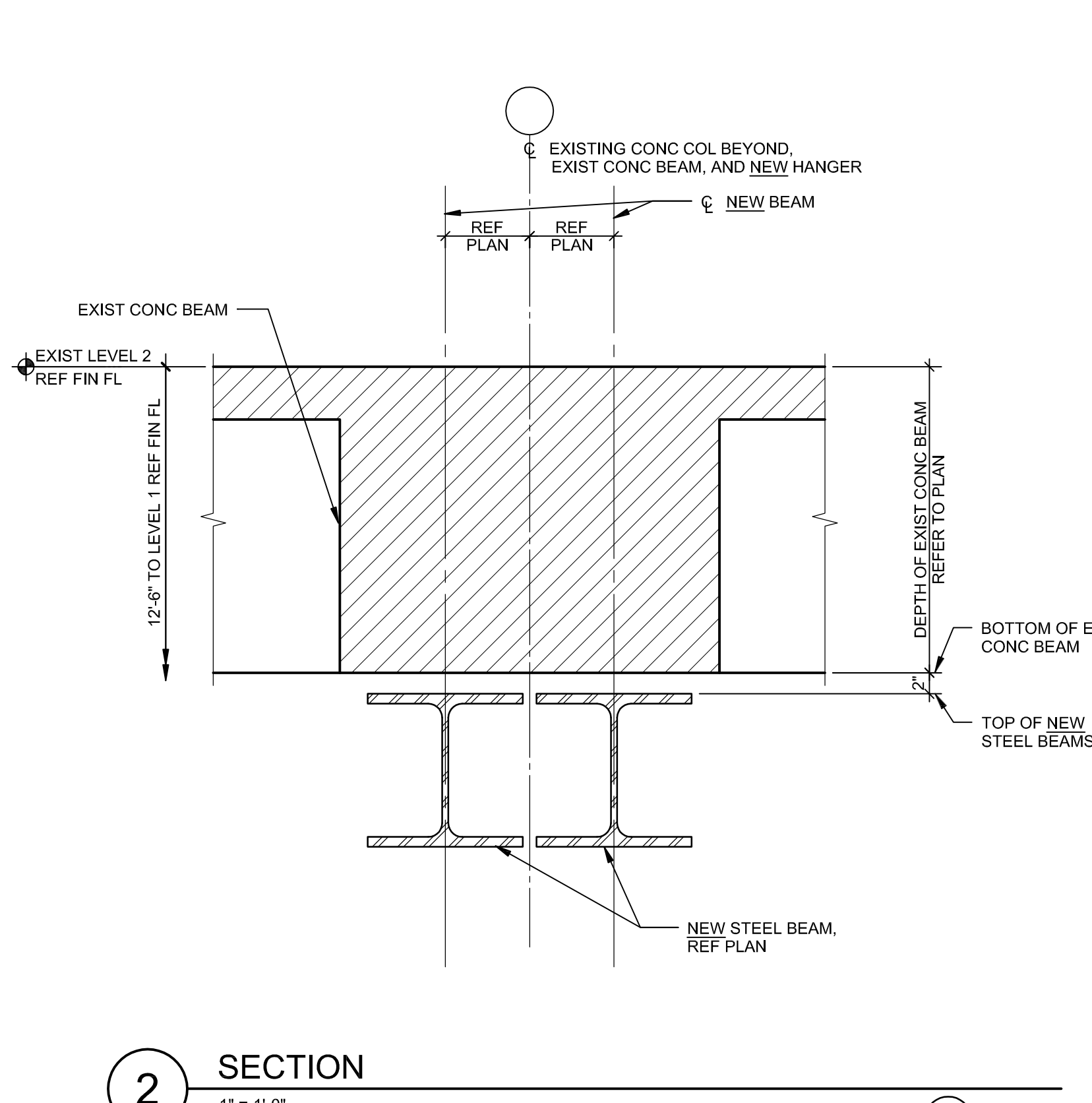
SECTIONS AND DETAILS

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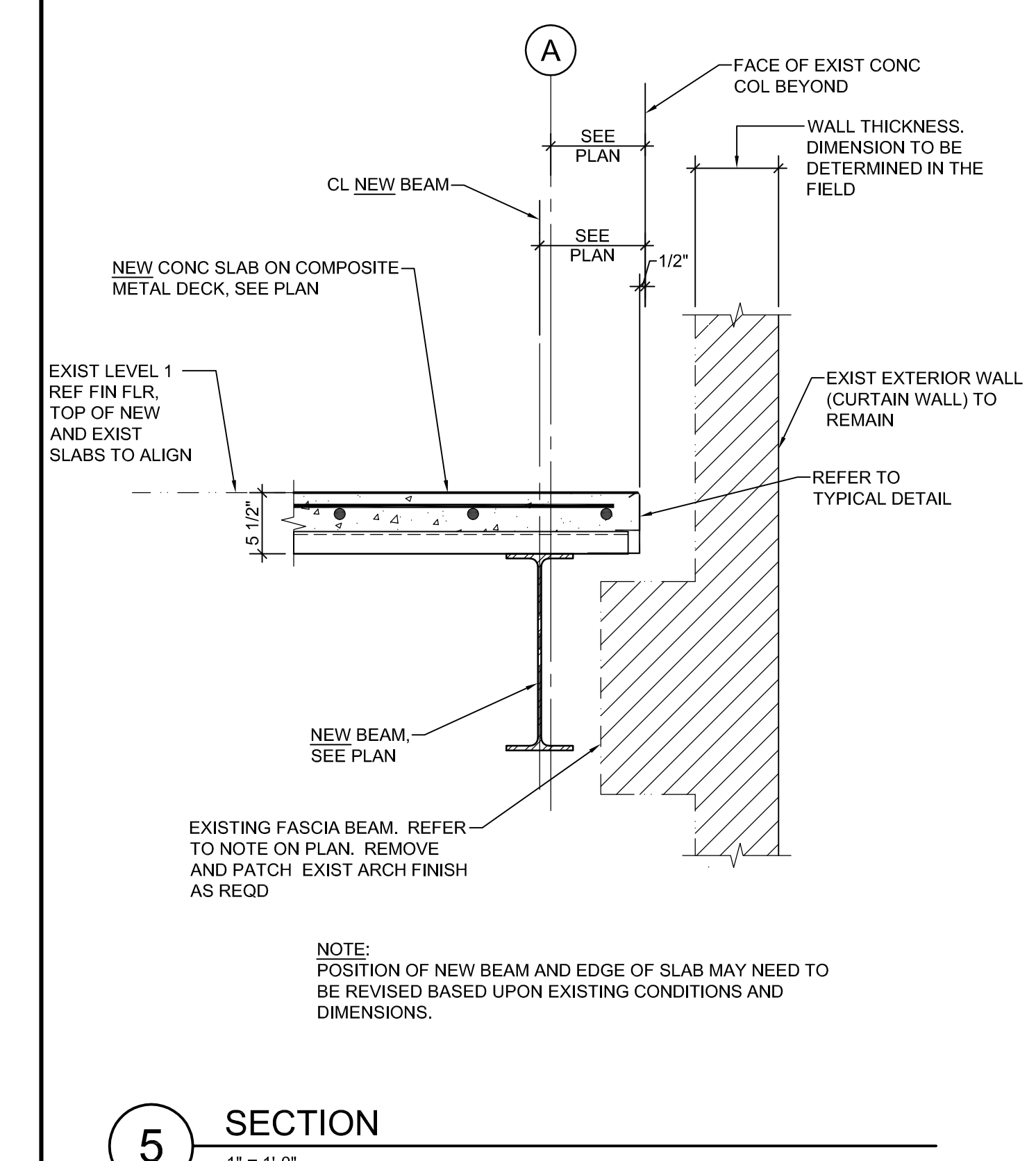
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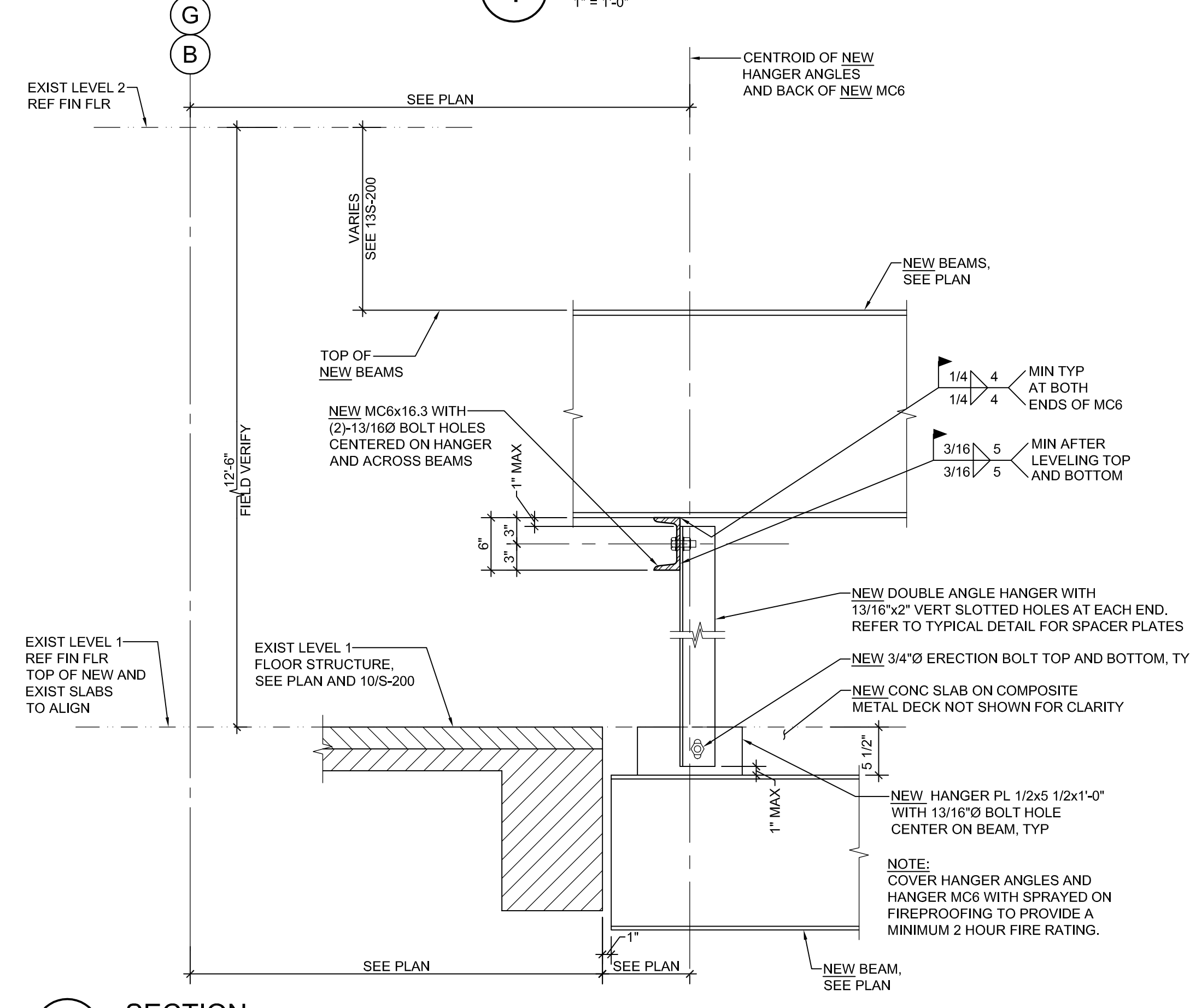
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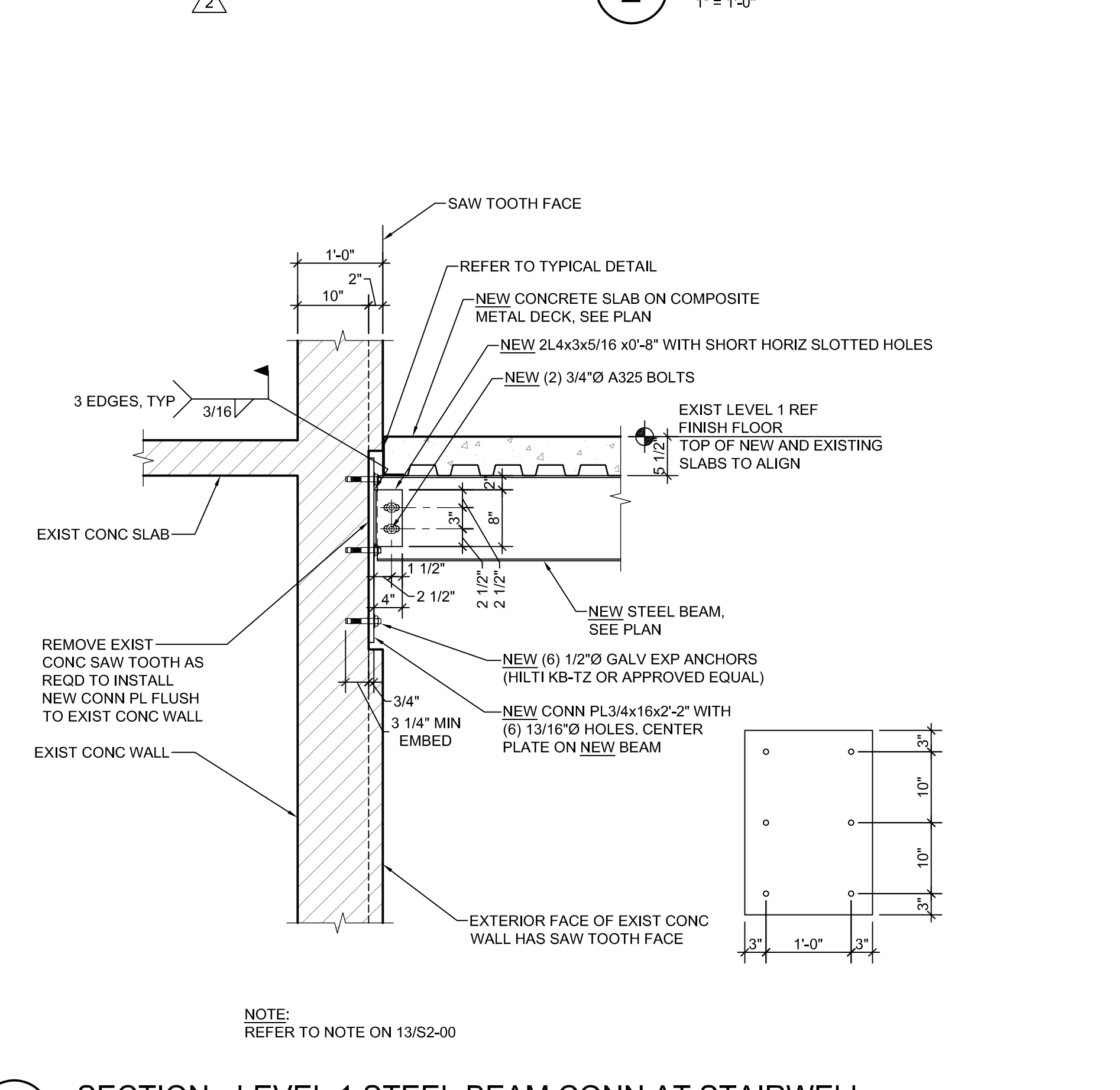
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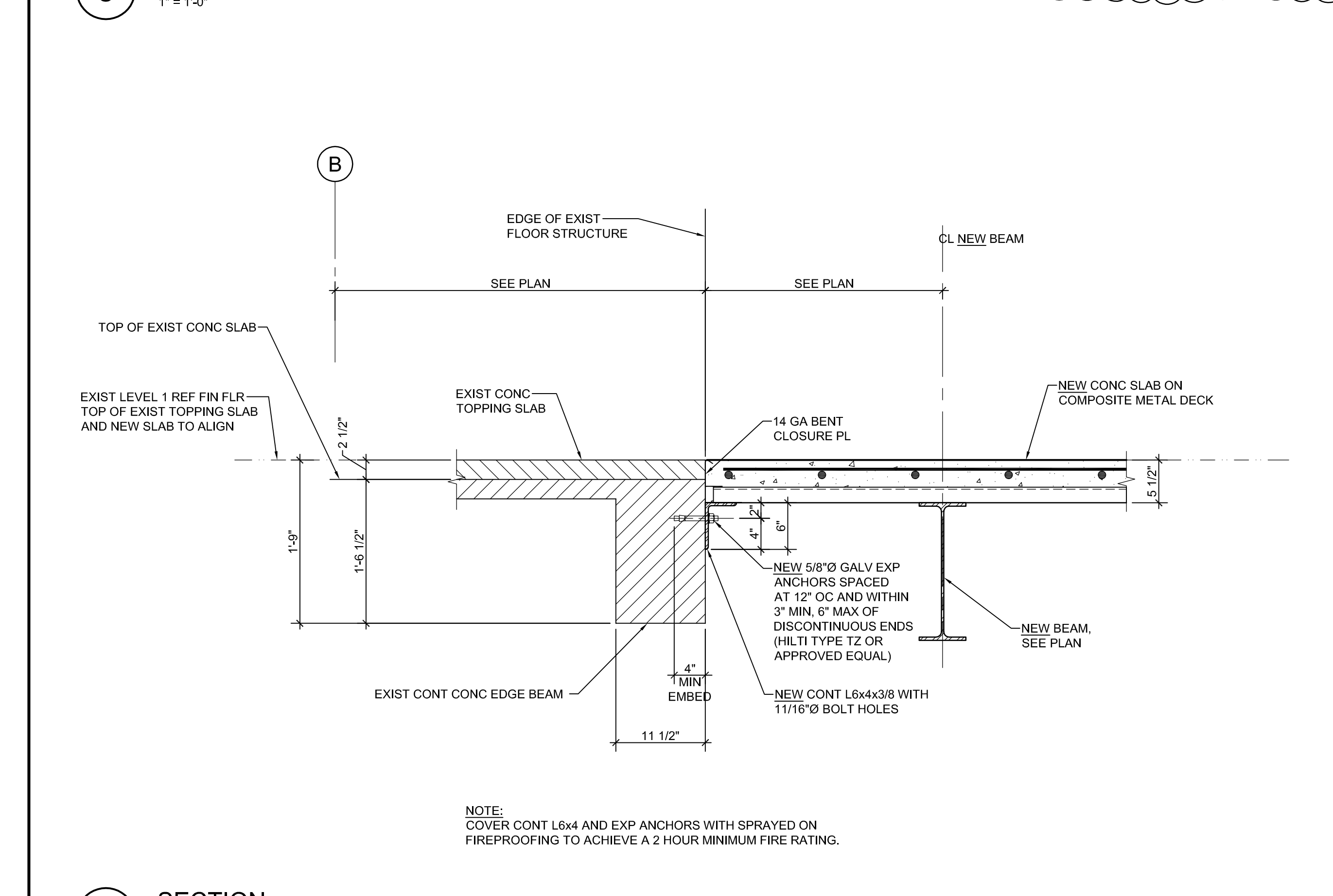
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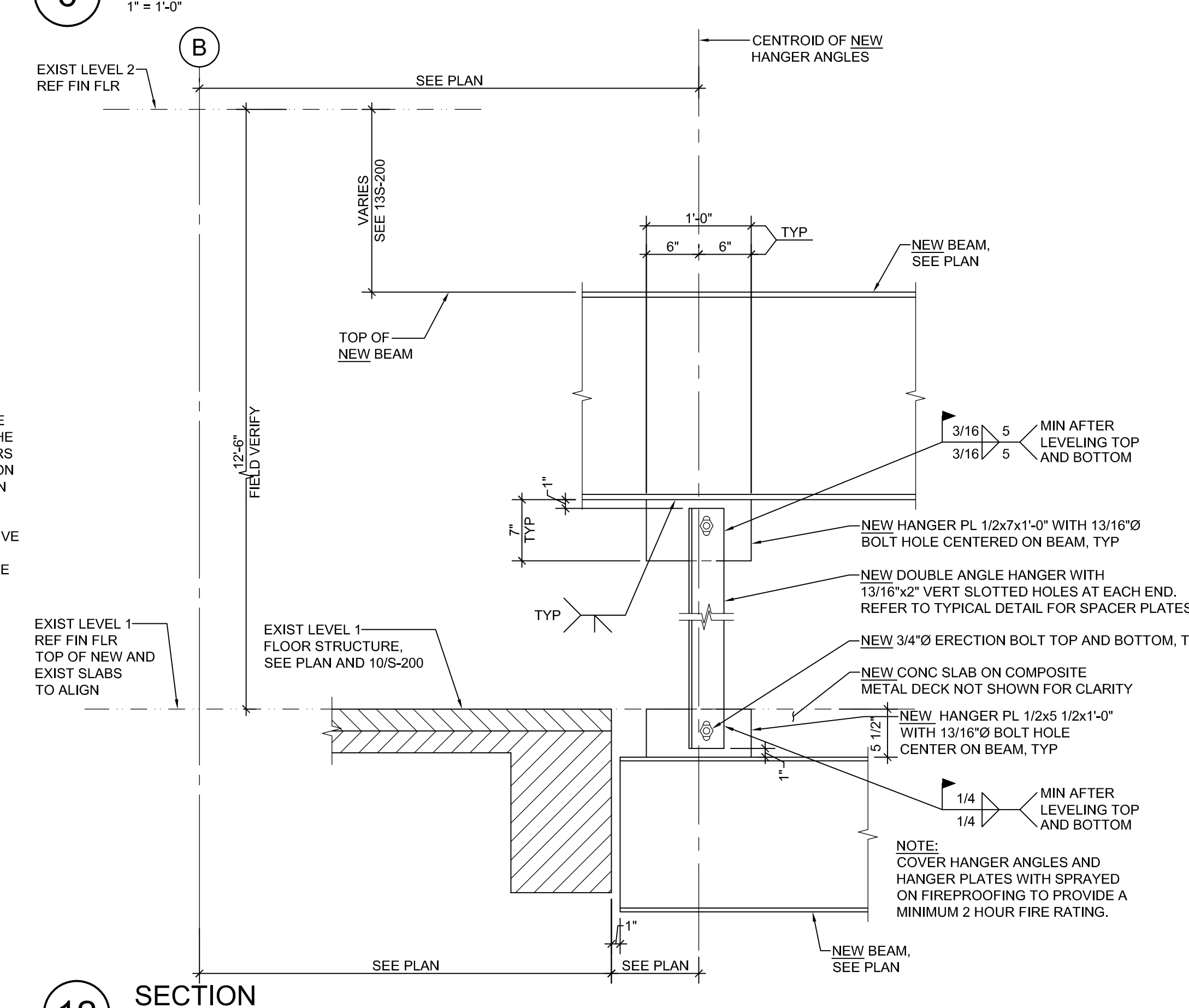
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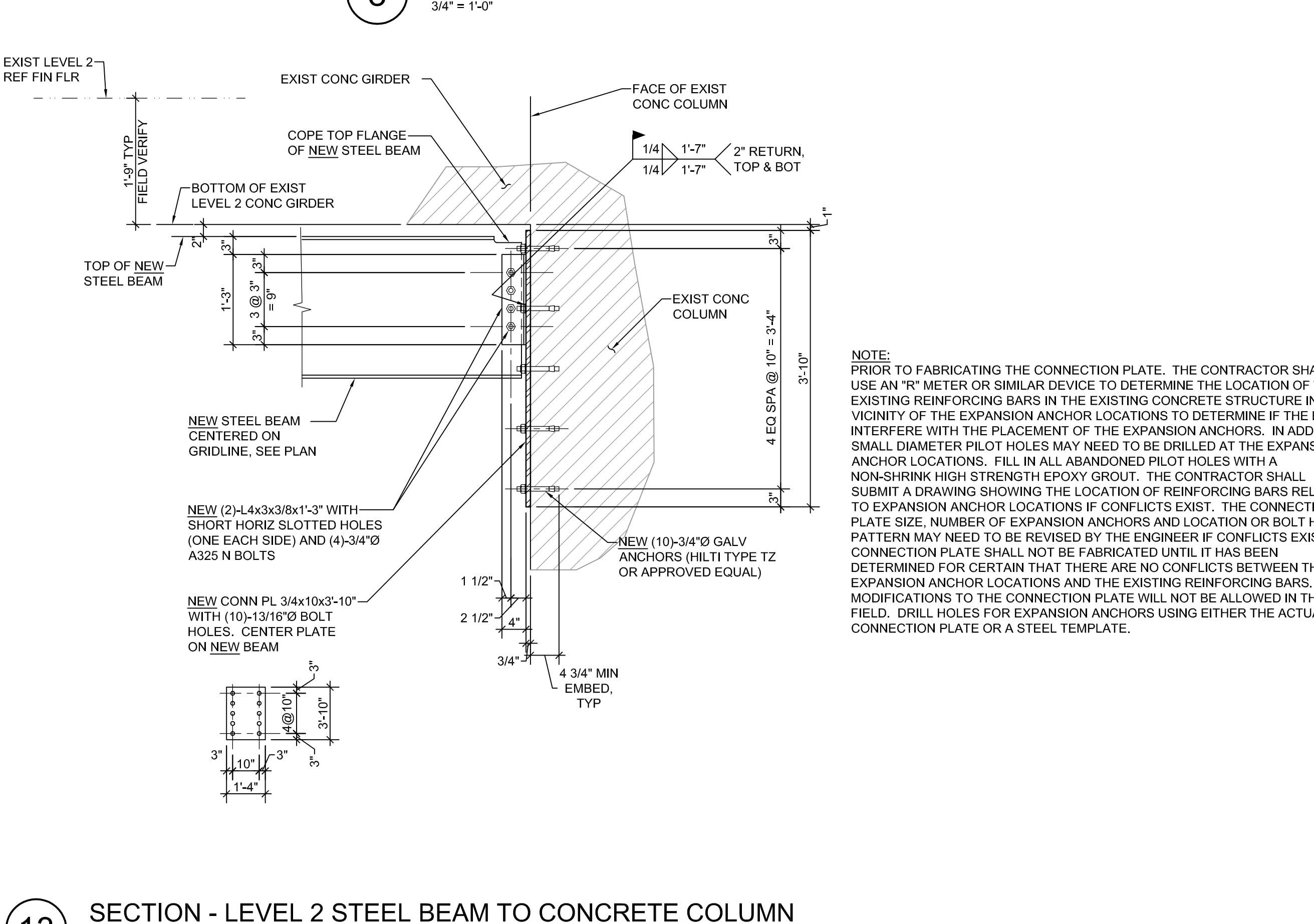
8 SECTION - LEVEL 1 STEEL BEAM CONN AT STAIRWELL
3/4" = 1'-0"



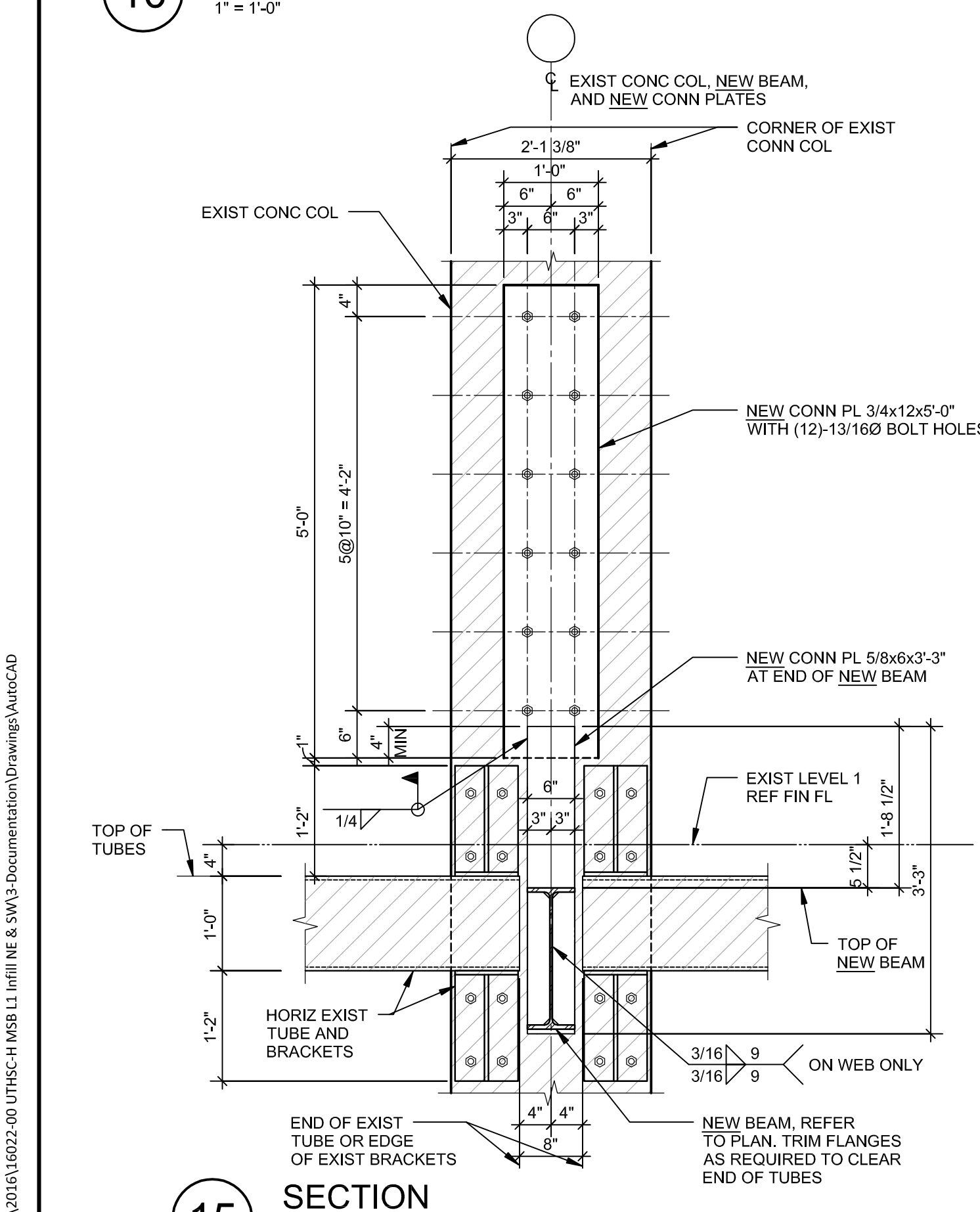
10 SECTION
1" = 1'-0"



12 SECTION
1" = 1'-0"



13 SECTION - LEVEL 2 STEEL BEAM TO CONCRETE COLUMN
3/4" = 1'-0"



15 SECTION
3/4" = 1'-0"

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History / Revisions

Table with columns: No., Date, Description. Contains revision history entries.

Project

MSB 1st Floor Infill LRC 3 & 4



Drawing Name

General Information

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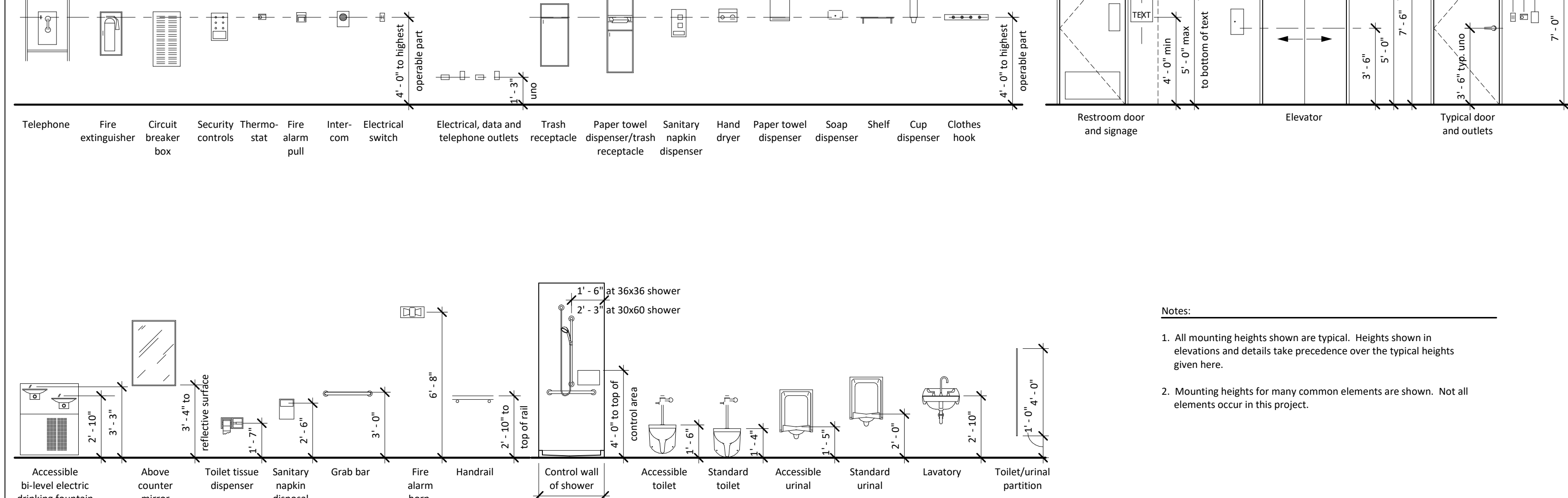
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P/W Commission Number

Sheet Number

214-198R

G-100



- Notes: 1. All mounting heights shown are typical. Heights shown in elevations and details take precedence over the typical heights given here. 2. Mounting heights for many common elements are shown. Not all elements occur in this project.



- Notes: 1. All mounting heights shown are typical. Heights shown in elevations and details take precedence over the typical heights given here. 2. Mounting heights for many common elements are shown. Not all elements occur in this project.

Table: Typical Mounting Heights (14). Columns: Symbol, Description, Section, Elevation, Reflected Ceiling Plan.

Table: Reflected Ceiling Plan. Columns: Symbol, Description.

Table: Section. Columns: Symbol, Description.

Table: Elevation. Columns: Symbol, Description.

Table: Reflected Ceiling Plan. Columns: Symbol, Description.

Table: Floorplans. Columns: Symbol, Description.

Table: Standard Material Indications (18). Columns: Symbol, Description.

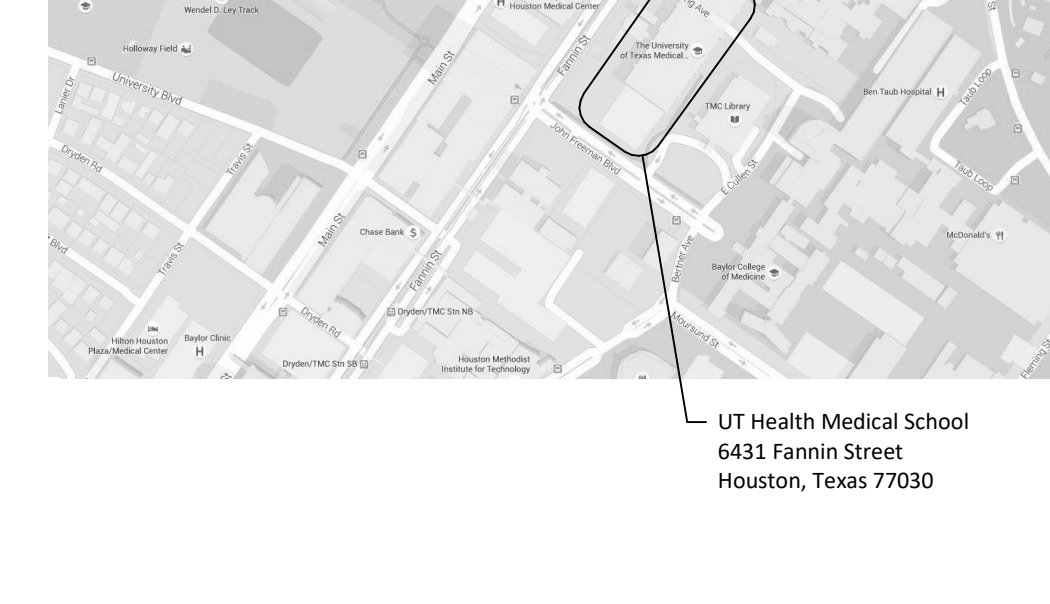
The project consists of the addition of approximately 2,170 square feet of office space to the first floor of the UTHealth Medical School Building located in Houston, Texas. Construction will consist of adding a suspended concrete slab, partitions, finishes, mechanical systems, and electrical systems.

Table: Standard Abbreviations (26). Columns: Symbol, Description.

Table: Standard Building Element Symbols (21). Columns: Symbol, Description.

Table: Project Description (16). Columns: Symbol, Description.

Table: Standard Reference Symbols (11). Columns: Symbol, Description.



Project Location Map 10



Project Vicinity Map 5

Table: Applicable Codes and Standards. Lists codes such as International Building Code (IBC) 2009, Life Safety Code, NFPA 101, etc.

Table: Occupancy Classification. Lists occupancy types and their corresponding codes.

Table: Construction Classification. Lists construction types and their corresponding codes.

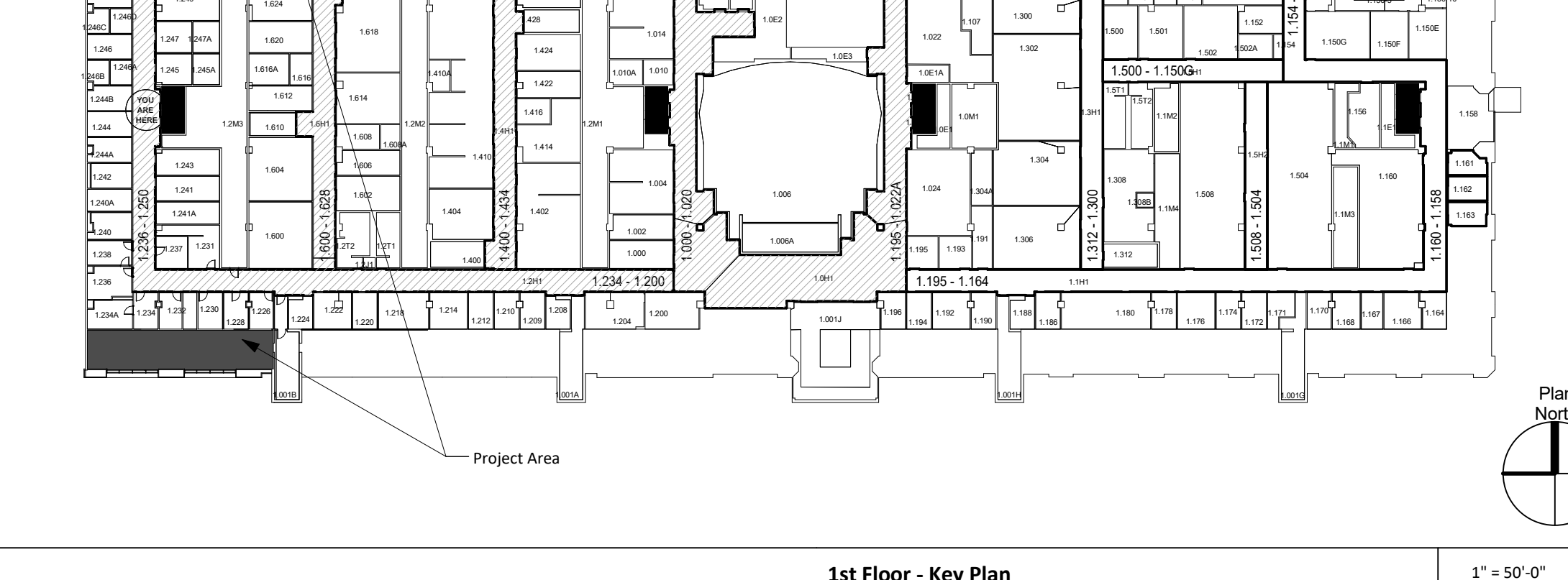
Table: Fire Protection. Lists fire protection requirements and standards.

Table: Occupant Load and Egress. Lists occupant load and egress requirements.

Table: Finishes. Lists finish requirements and standards.

Table: Building Code Information. Lists building code information.

Table: Drawing Index. Lists drawing index information.

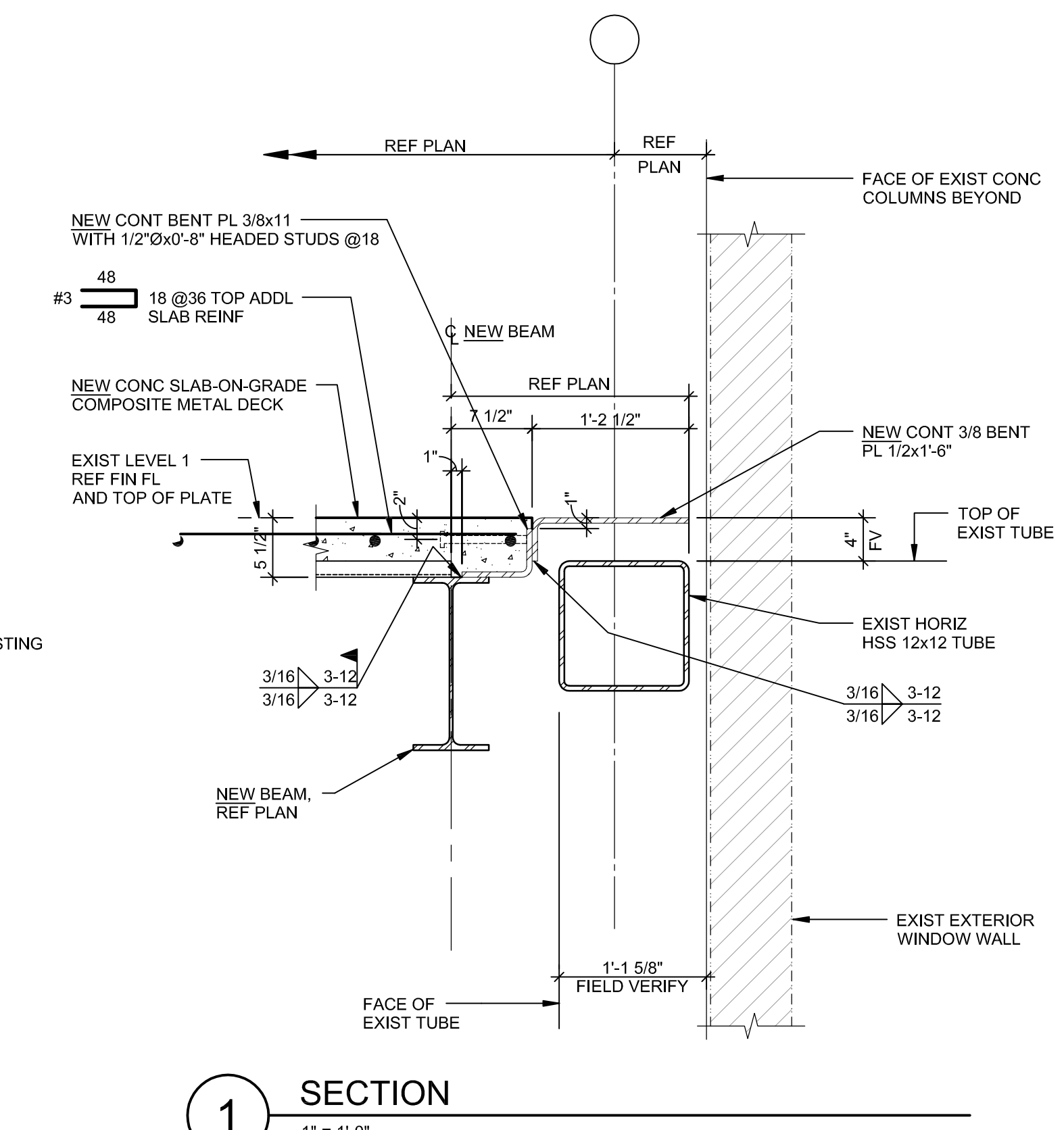


1st Floor - Key Plan 1' = 50'-0" 1

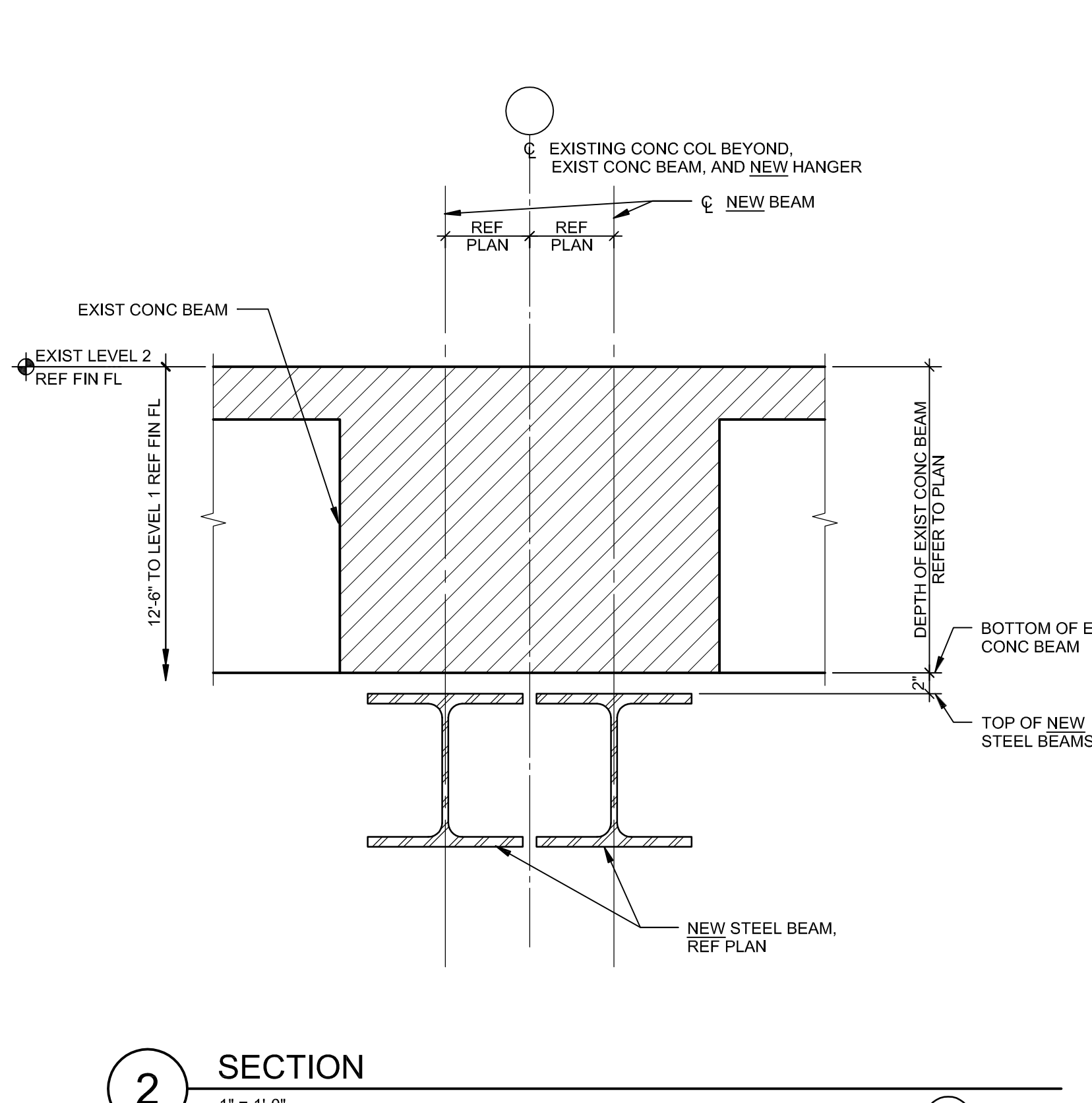
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1	07/08/2016	ISSUE FOR CONSTRUCTION
2	11/14/2016	ADDENDUM NO. 3

MSB 1st Floor Infill LRC 3 & 4

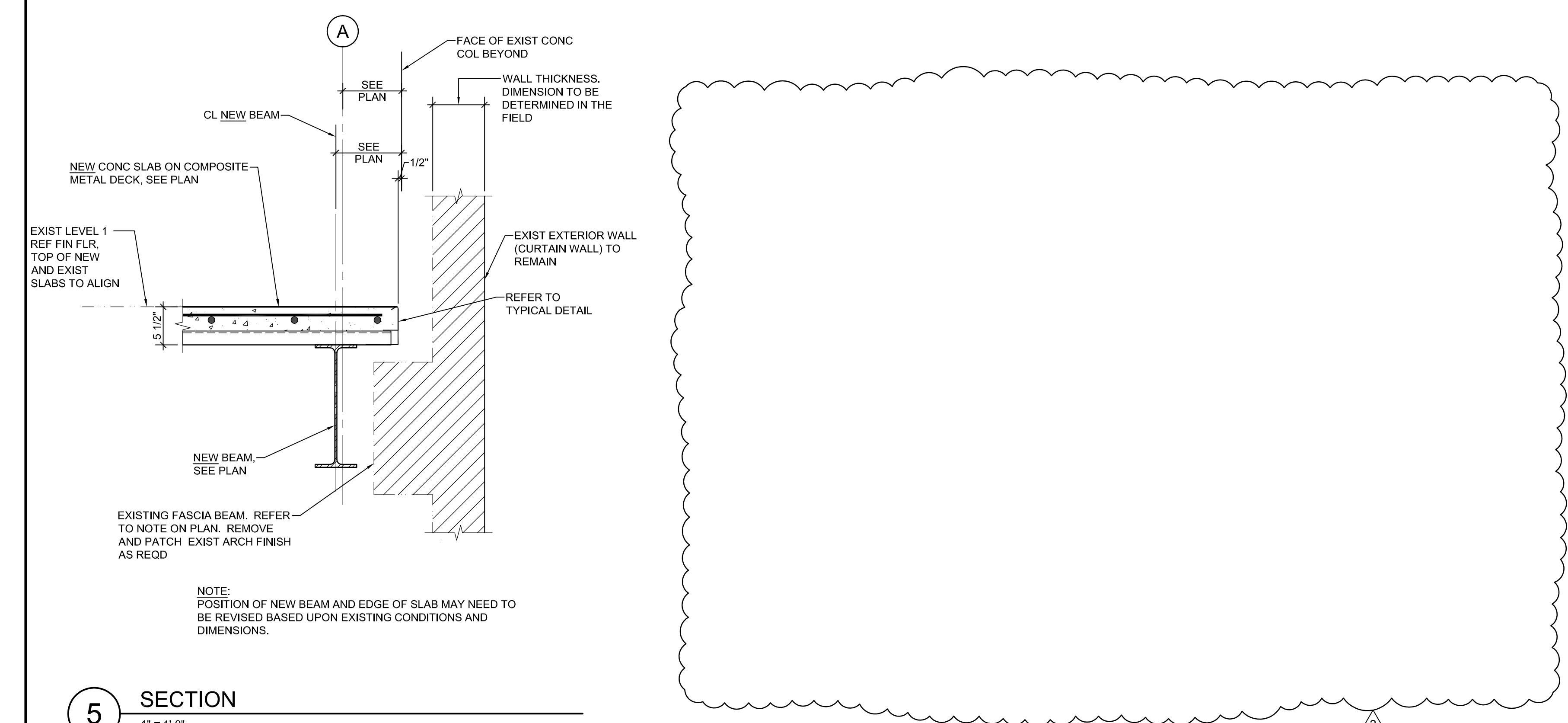
SECTIONS AND DETAILS



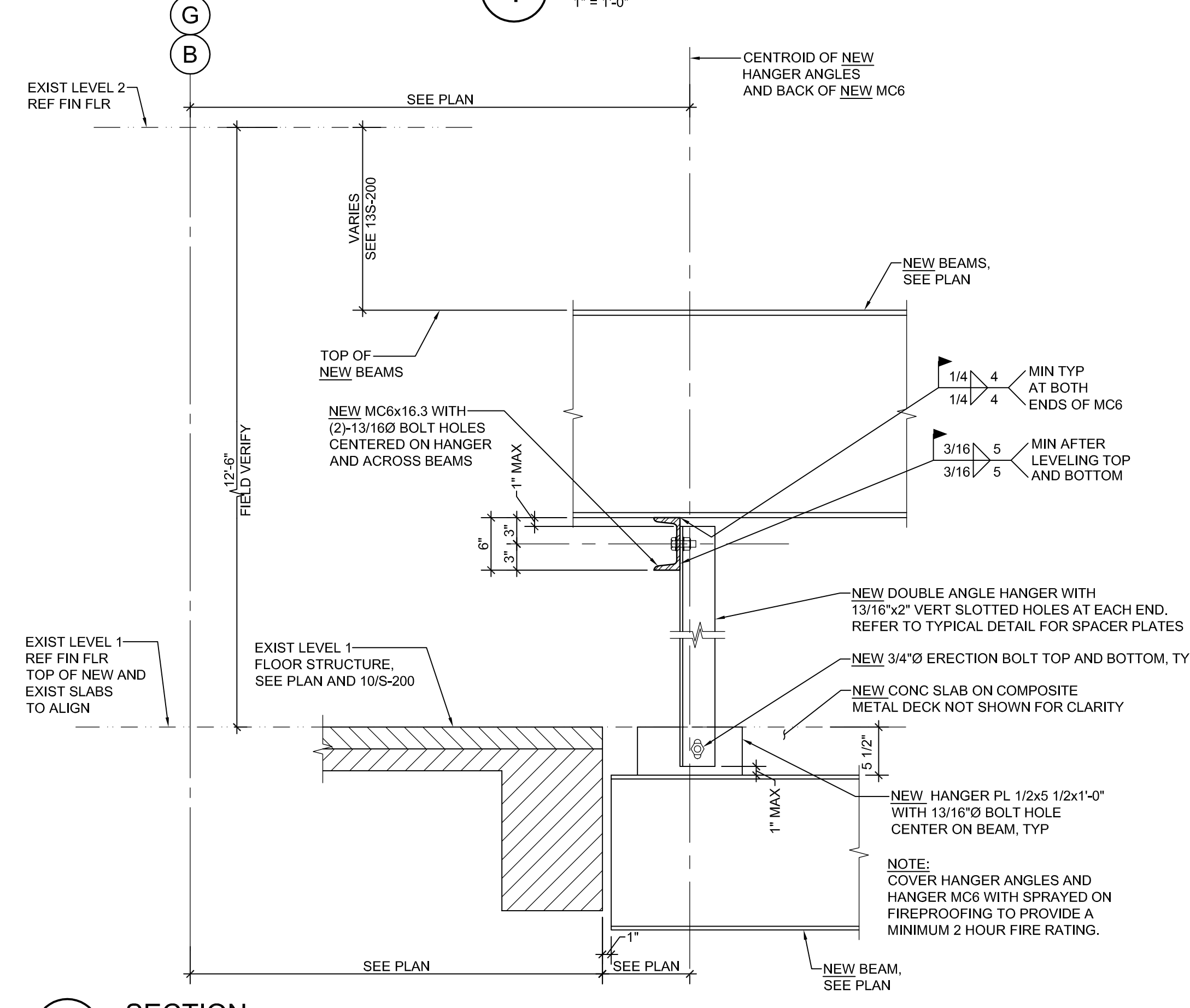
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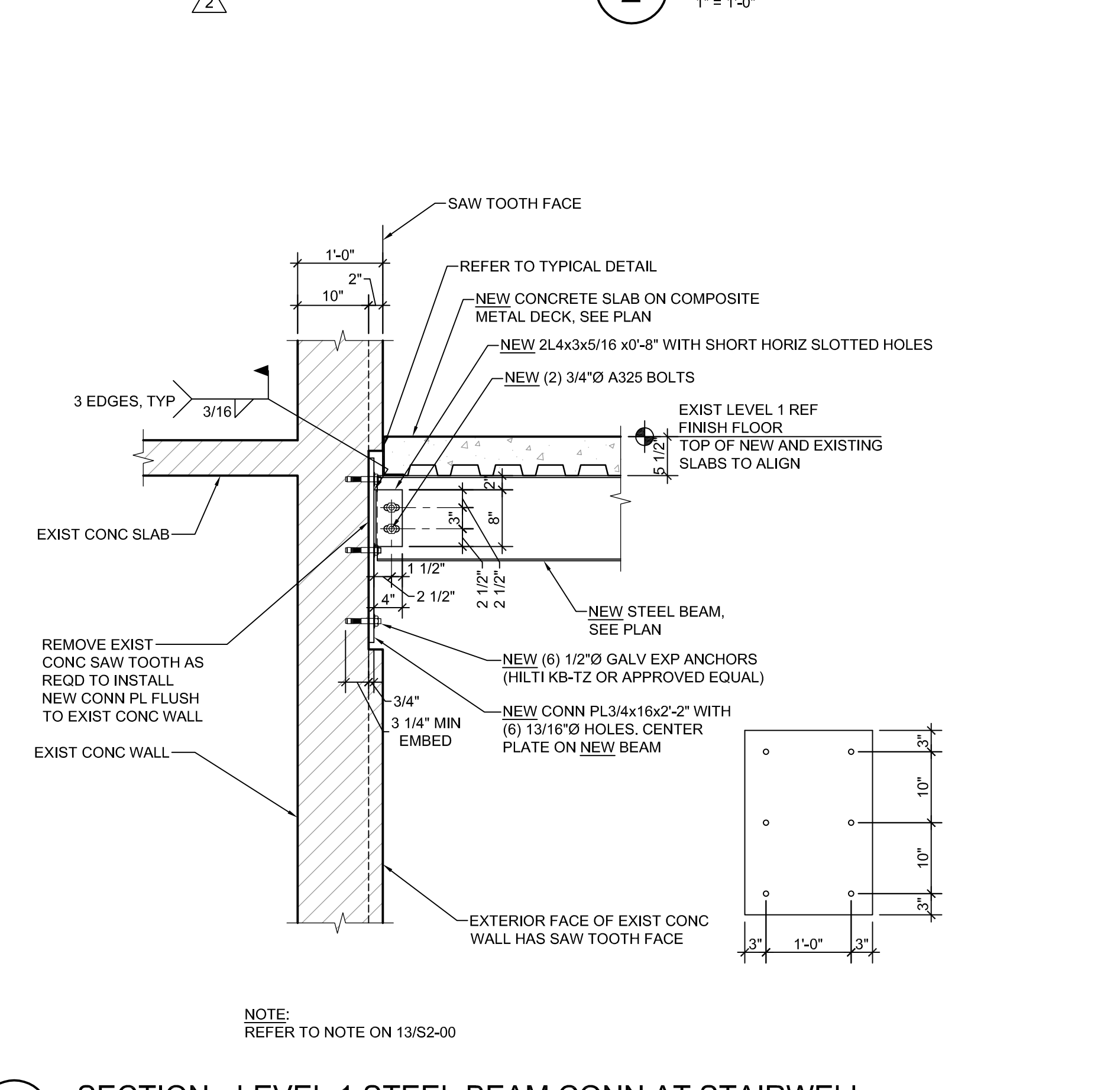
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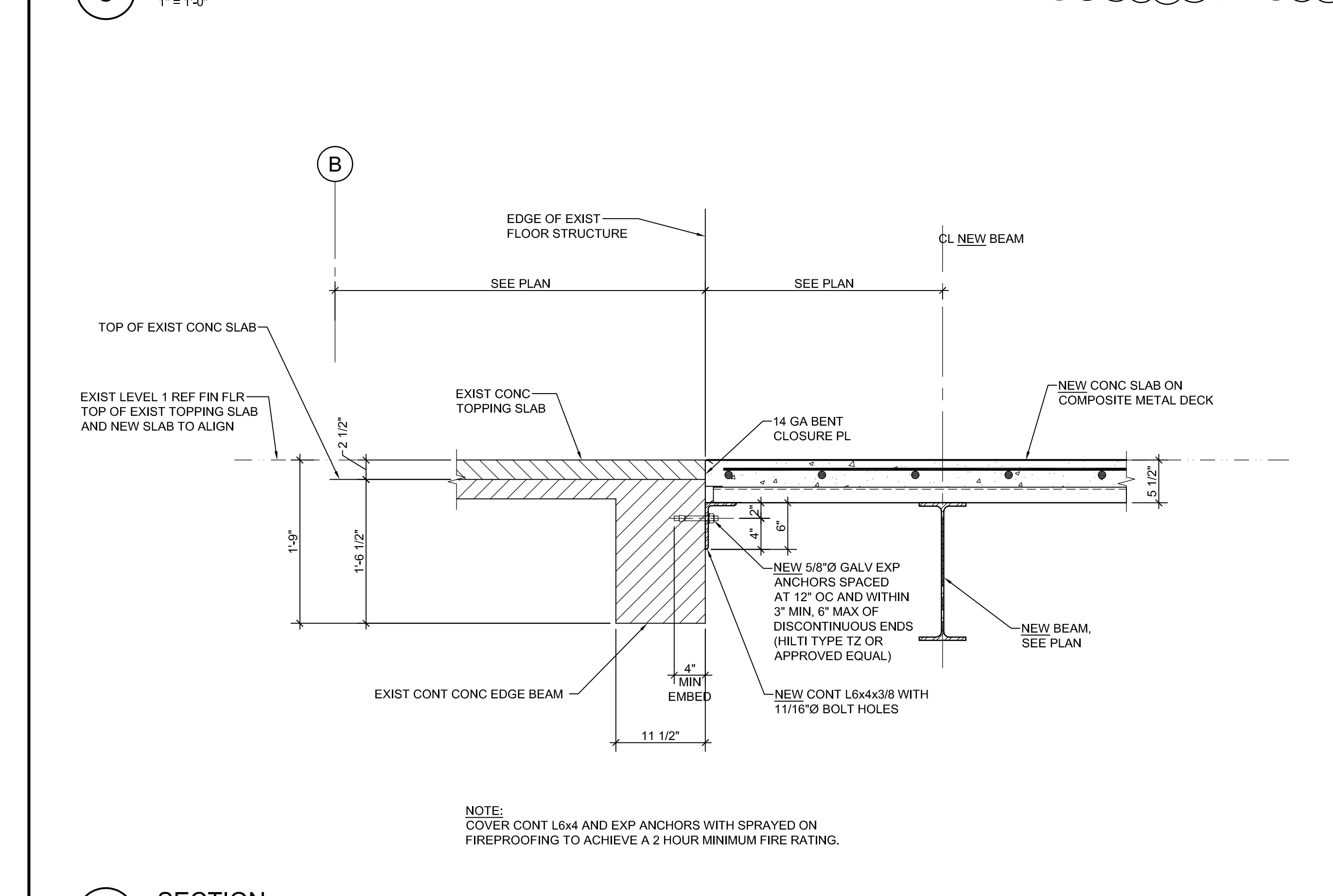
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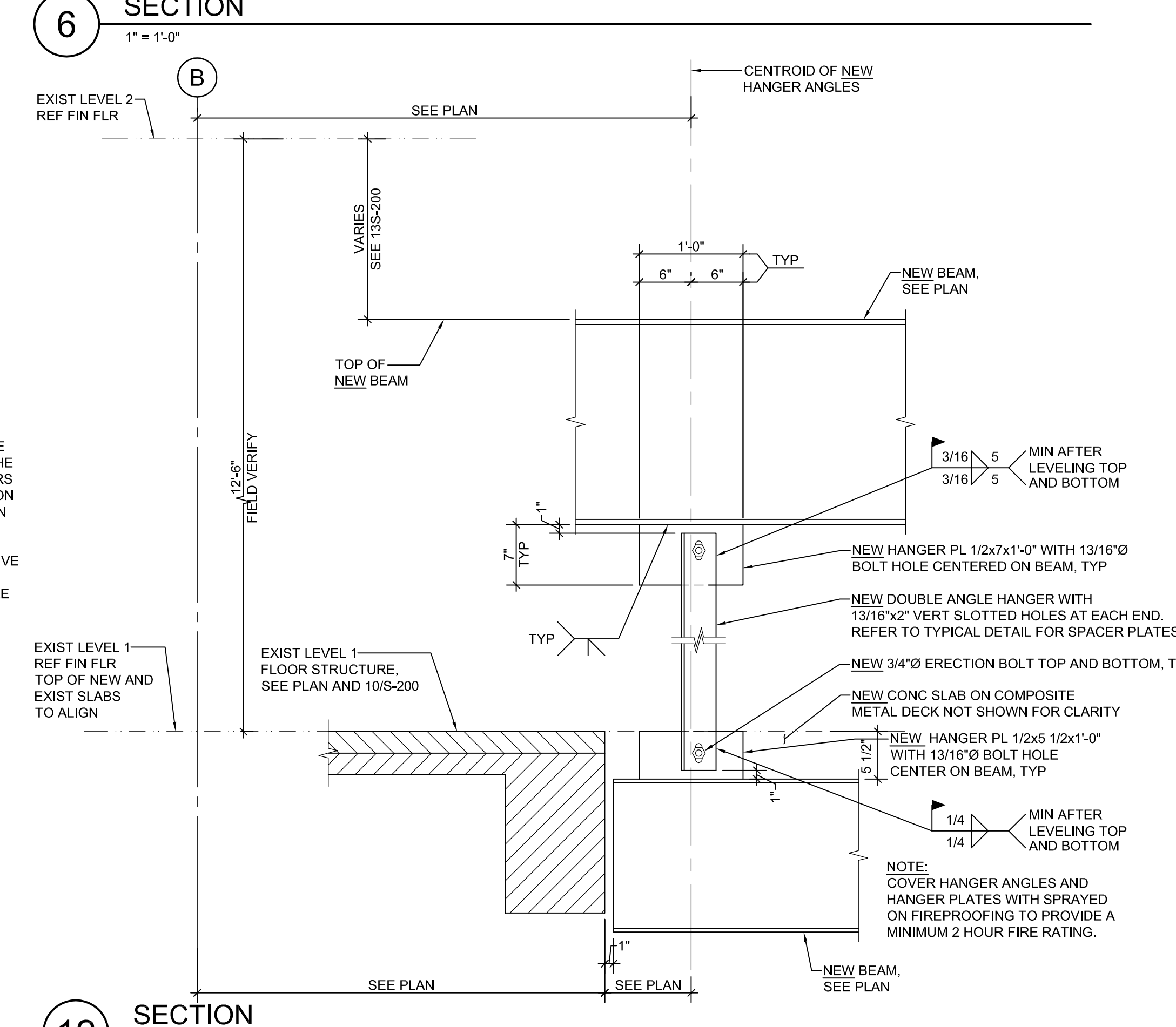
6 SECTION
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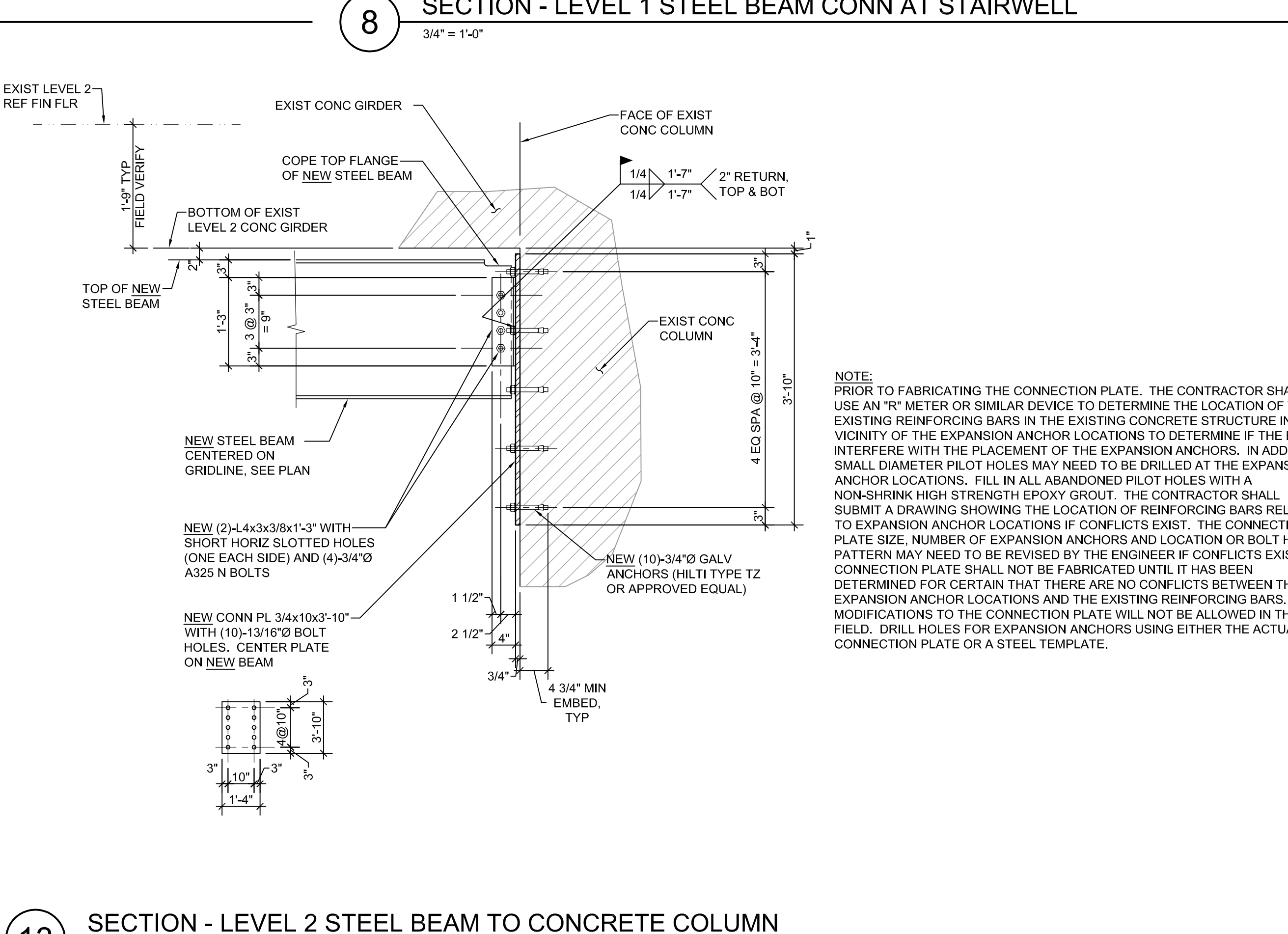
8 SECTION - LEVEL 1 STEEL BEAM CONN AT STAIRWELL
3/4" = 1'-0"



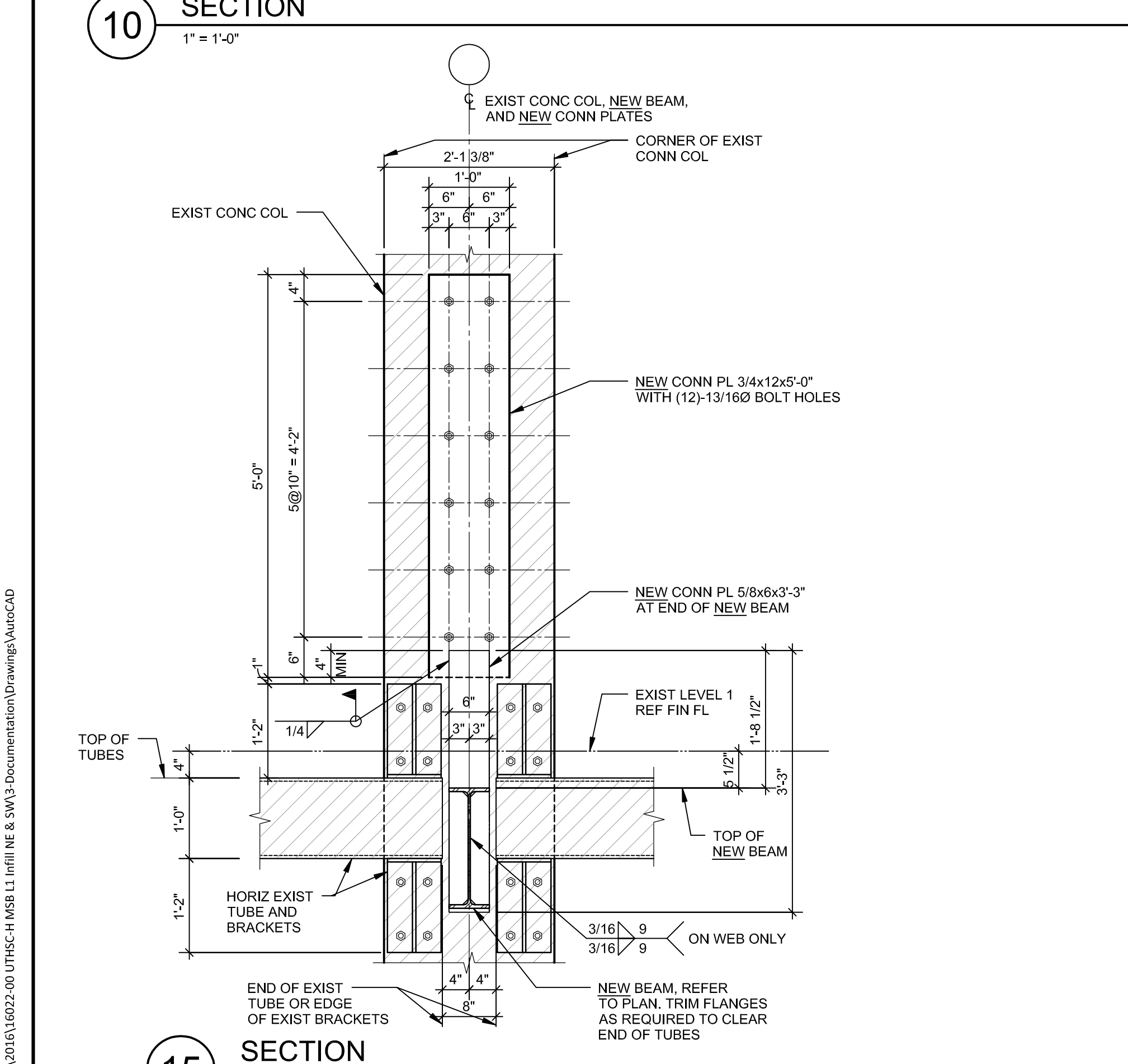
10 SECTION
1" = 1'-0"



12 SECTION
1" = 1'-0"

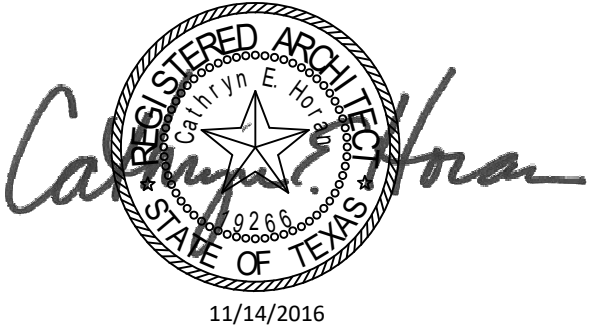


13 SECTION - LEVEL 2 STEEL BEAM TO CONCRETE COLUMN
3/4" = 1'-0"



15 SECTION
3/4" = 1'-0"

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Issues / Revisions

No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

Project

MSB 1st Floor Infill LRC 3 & 4



Drawing Name

Floor Plan East

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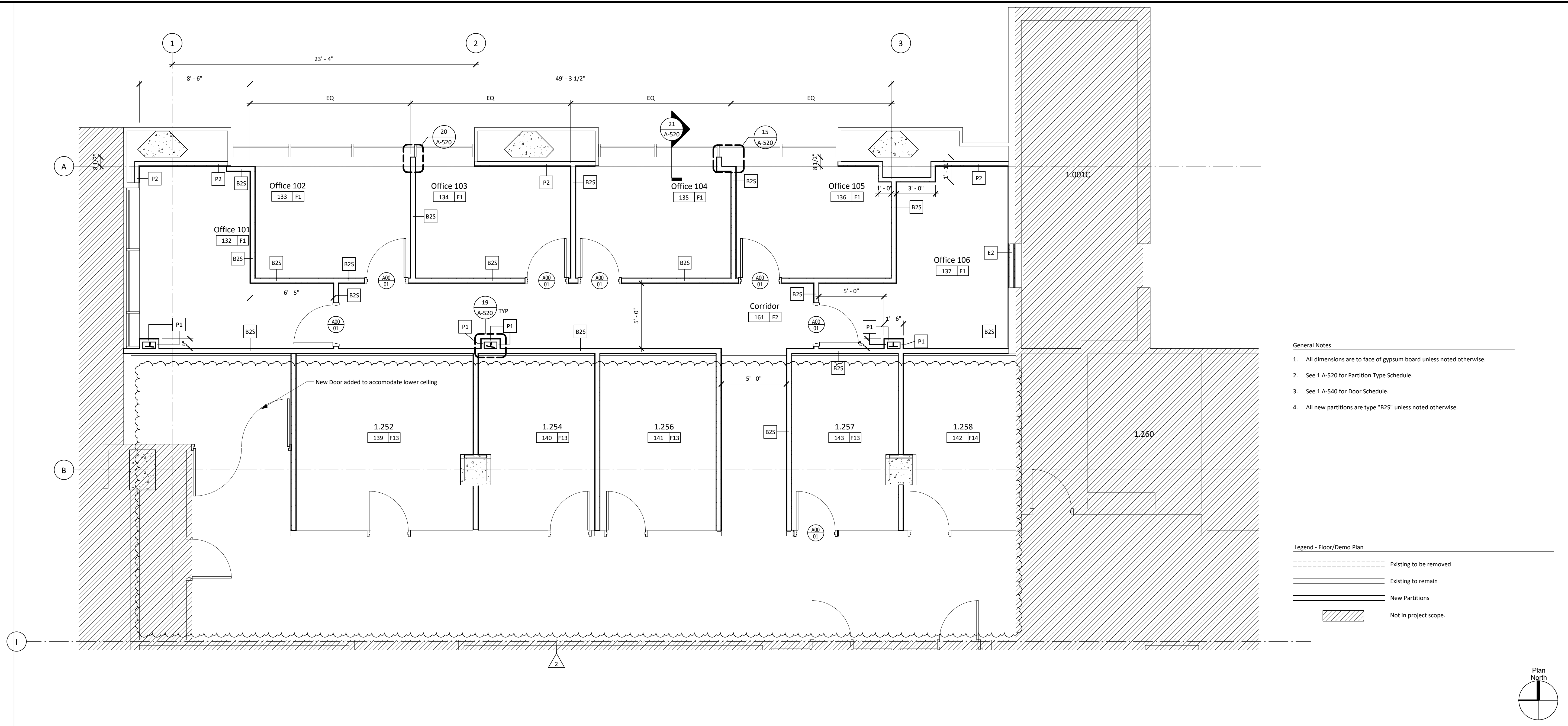
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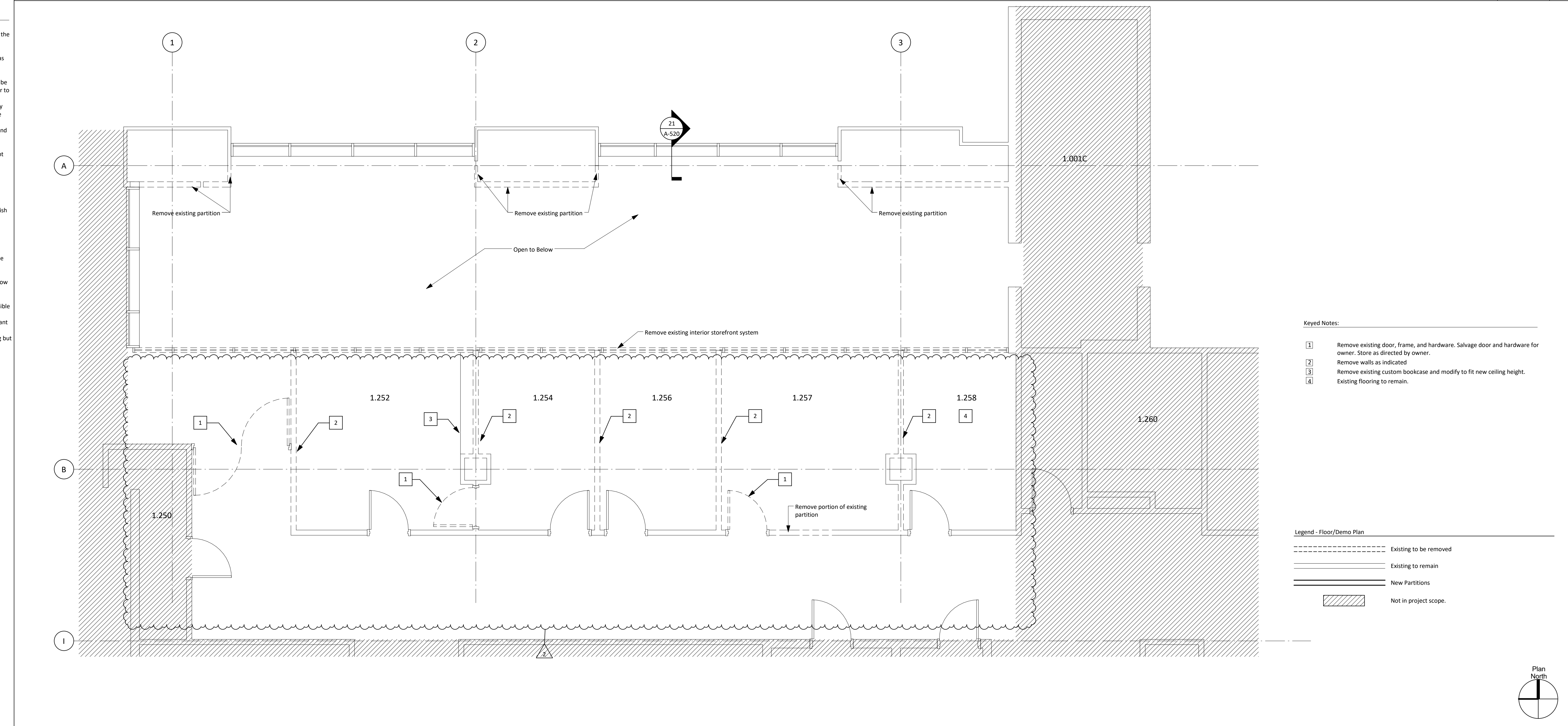
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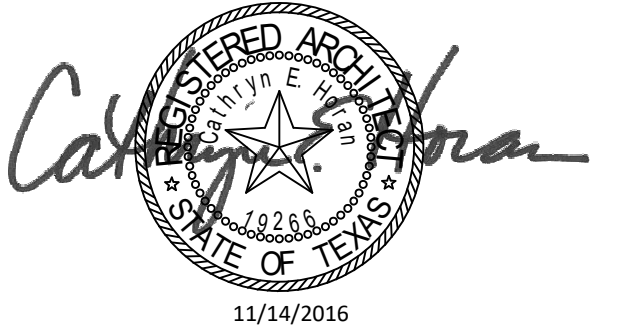
Level 1 Floor Plan - East 1/4" = 1'-0" 2



Demolition Notes - East 1/4" = 1'-0" 1

Demolition Notes - East 1/4" = 1'-0" 1

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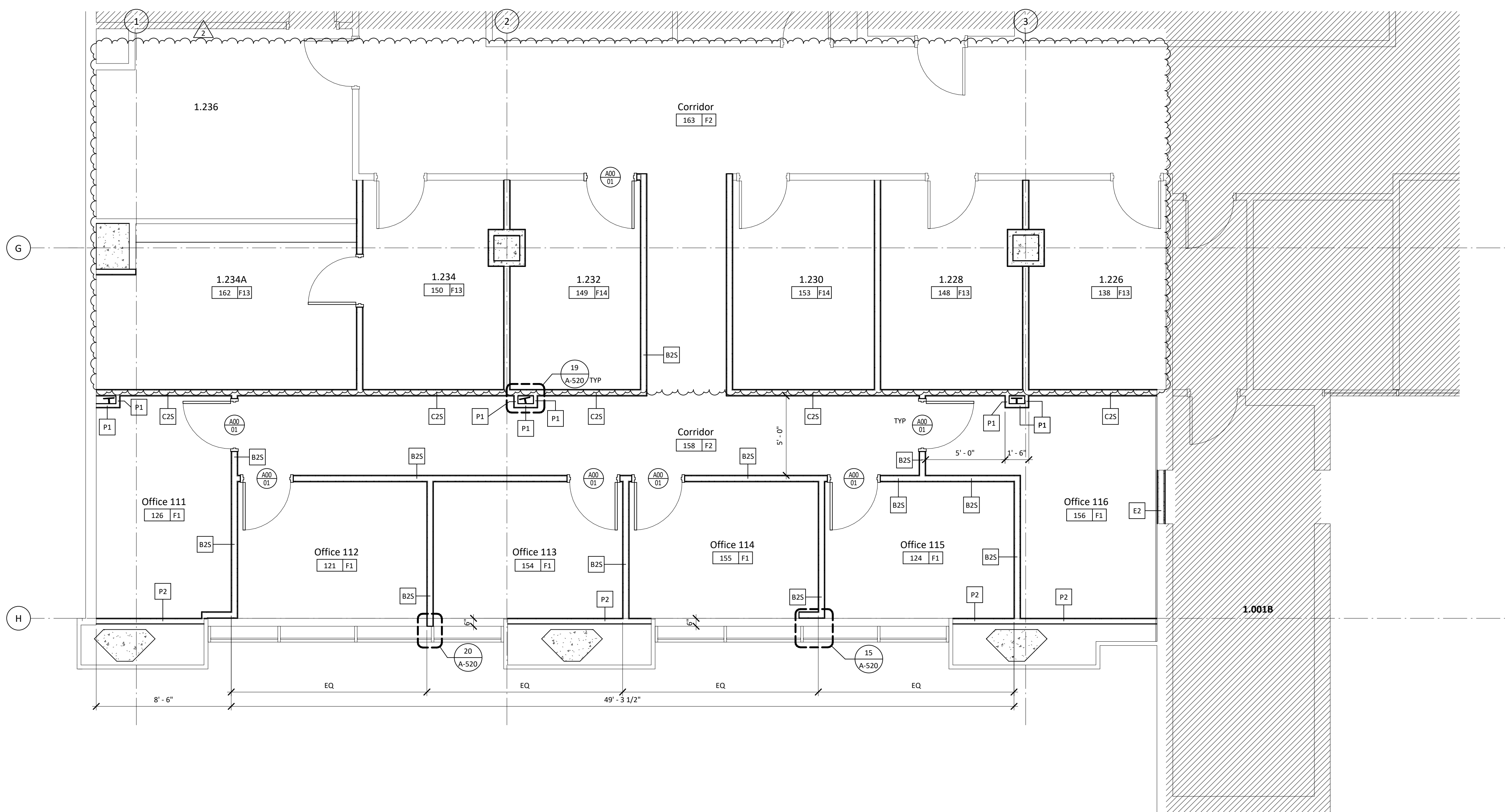
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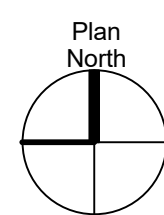
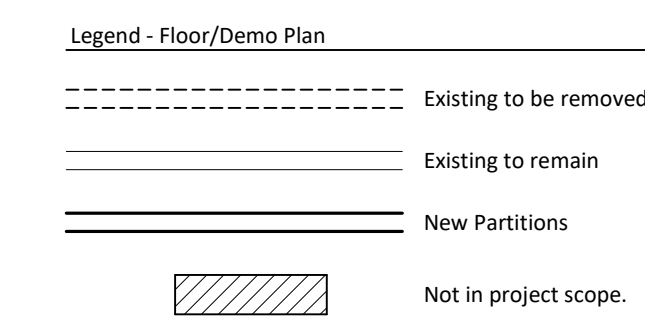
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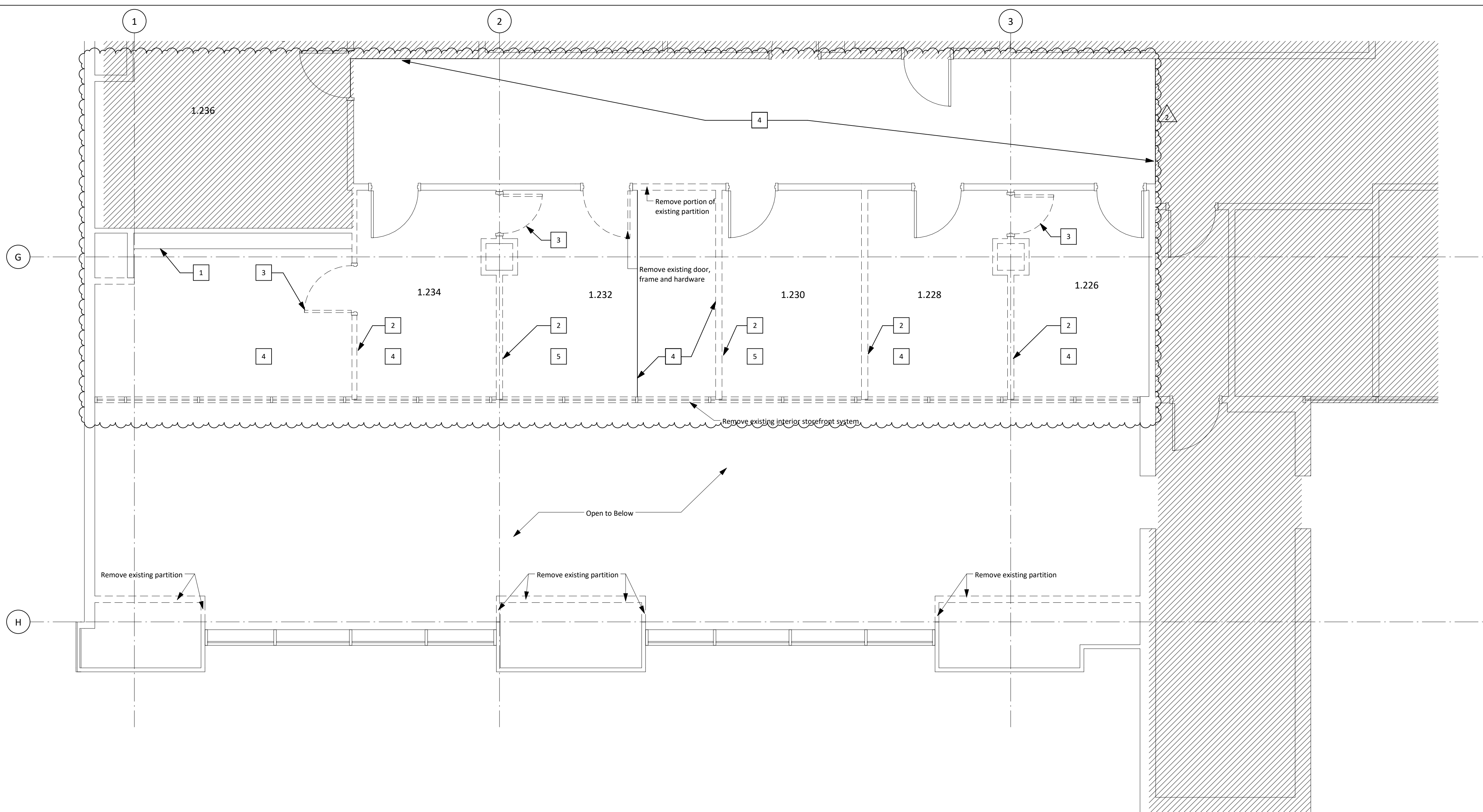
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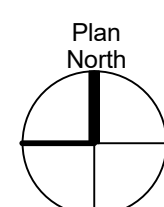
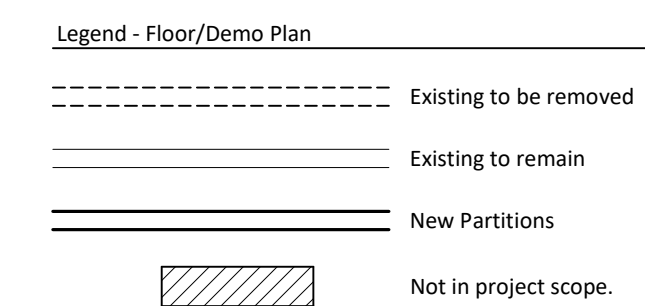
- General Notes**
- All dimensions are to face of gypsum board unless noted otherwise.
 - See 1 A-520 for Partition Type Schedule.
 - See 1 A-540 for Door Schedule.
 - All new partitions are type "B25" unless noted otherwise.



Level 1 Floor Plan - West 1/4" = 1'-0" 3



- Keyed Notes:**
- Remove existing custom bookcase and modify to fit new ceiling height.
 - Remove walls as indicated.
 - Remove existing door, frame, and hardware. Salvage door and hardware for owner. Store as directed by owner.
 - Remove existing flooring and base. Prepare for new flooring and base.
 - Existing flooring to remain.



Demolition First Level - West 1/4" = 1'-0" 1

- Demolition Notes:**
- The Contractor shall be responsible for the protection against vandalism/unauthorized entry, etc. during the removal of and replacement of the interior envelope. Do not leave building components unprotected or uncovered after-hours.
 - Contractor to provide protection, as required during construction, at all remaining utilities (clean outs, gas valves, etc.).
 - Coordinate with Owner proper access and location for waste disposal and location of dumpsters.
 - Contractor to demolish and dispose of all items shown/indicated to be removed, verify with owner items to be recycled. Items noted to be reused or returned to Owner shall be cleaned thoroughly by Contractor prior to storage or re-installation.
 - Contractor to remove all electrical outlets, voice/data outlets, light switches, and thermostats affected by demolition work. Contractor shall cap all involved wiring and revise any necessary changes on respective electrical panels.
 - The building will remain occupied during demolition/renovation. Contractor to coordinate shut-downs and tie-ins to all mechanical, electrical, plumbing, communications, fire alarms, and sprinkler systems to minimize disruptions to building occupants.
 - Contractor to protect existing smoke detectors from dust/debris during demolition/renovation to prevent accidental trigger of the alarm system.
 - Contractor will be responsible for the protection of existing furniture, equipment, finishes, etc. during demolition/renovation. Items damaged will be repaired or replaced with new at Contractor's expense.
 - Contractor to provide and maintain corridor access and fire egress requirements during all demolition/renovation phases.
 - Contractor to protect existing doors, frames, or hardware remaining during demolition/renovation. Contractor to paint any existing frames remaining after construction to match existing. Clean and refurbish any salvaged door hardware for re-installation. Replace any non-code compliant hardware with new to match existing building standards.
 - Contractor to remove all existing floor and ceiling finishes in demolition area, unless noted otherwise.
 - Coordinate with Owner for removal of all cameras/readers/ etc.
 - Contractor shall adhere to all Life Safety and Indoor Air Quality Control standards at all times. Non-compliance may result in the shut-down of activities, in which no time extension or additional costs to the Owner will be allowed.
 - Maintenance of indoor air quality is critical in areas of all facilities. Construction causing disturbance of existing dust, or creating new dust, odors, etc., must be conducted in tight enclosures that prohibit the flow of particles into sensitive areas. The contractor is required to provide dust barriers as determined by the project manager, Environmental Health and Safety and/or Infection Control.
 - Contractor shall protect all column/composite deck with existing fireproofing. Contractor will be responsible to ensure that any damaged fire proofing is replaced for approved required rating.
 - Contractor to make best effort to salvage doors, frames, hardware, etc. and confirm with O&M if they want warehouse salvaged items.
 - Contractor responsible to inspect existing conditions for all window frames and sills for damage including but not limited to scratches, cracks and dents.

Demolition Notes - West 1/2" = 1'-0" 26

Revisions

No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

Project

MSB 1st Floor Infill LRC 3 & 4



Drawing Name

Floor Plan West

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P/W Commission Number

214-198R

Sheet Number

A-111



Structural Engineer

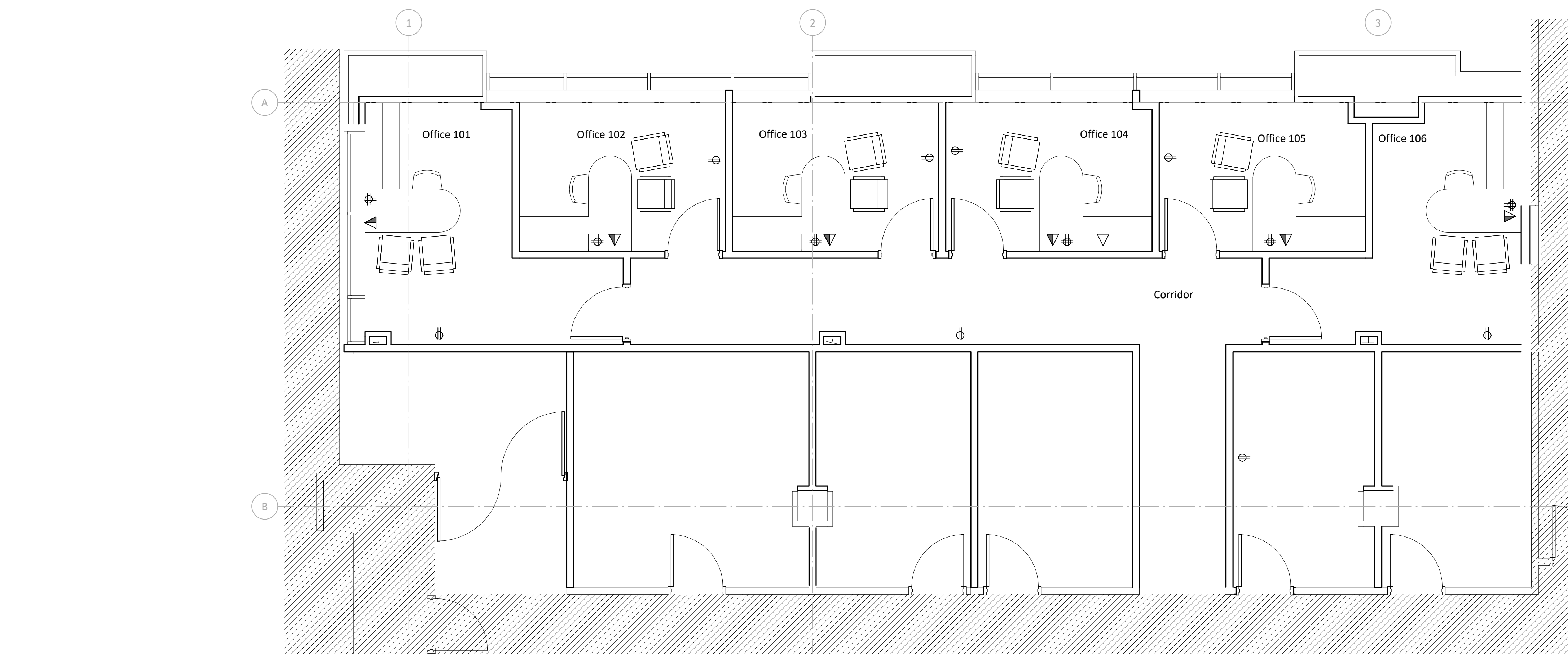
Walter P. Moore
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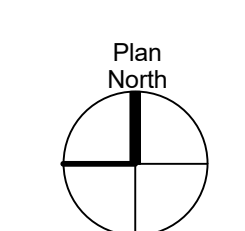
Issues / Revisions

No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

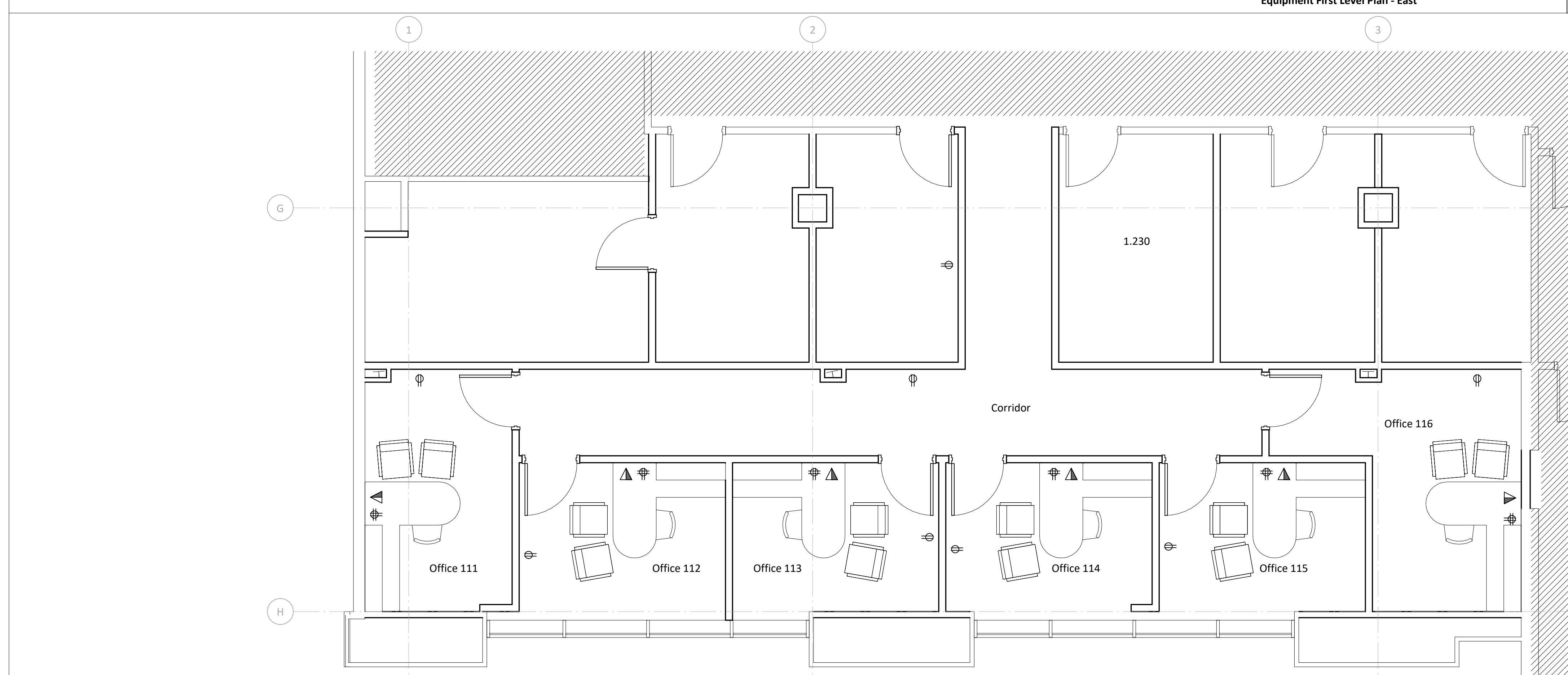


Note: Provide 2'-3" x 5'-0" blocking for new offices and existing offices receiving new furniture.

Not in project scope.

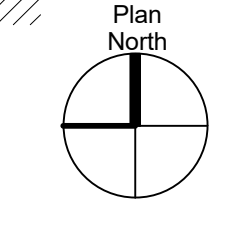


Equipment First Level Plan - East 1/4" = 1'-0" 3



Note: Provide 2'-3" x 5'-0" blocking for new offices and existing offices receiving new furniture.

Not in project scope.



Equipment First Level Plan - West 1/4" = 1'-0" 1

MSB 1st Floor Infill LRC 3 & 4



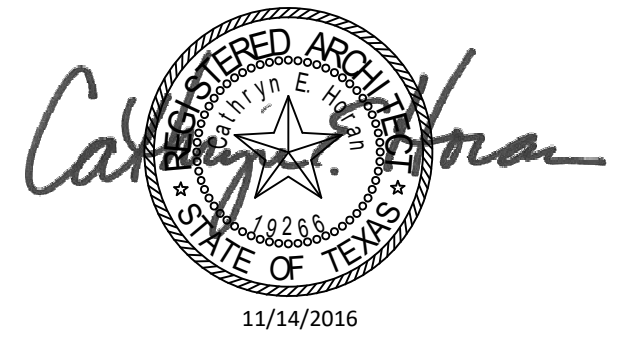
Equipment and Furniture Plan

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Sheet Number: A-130



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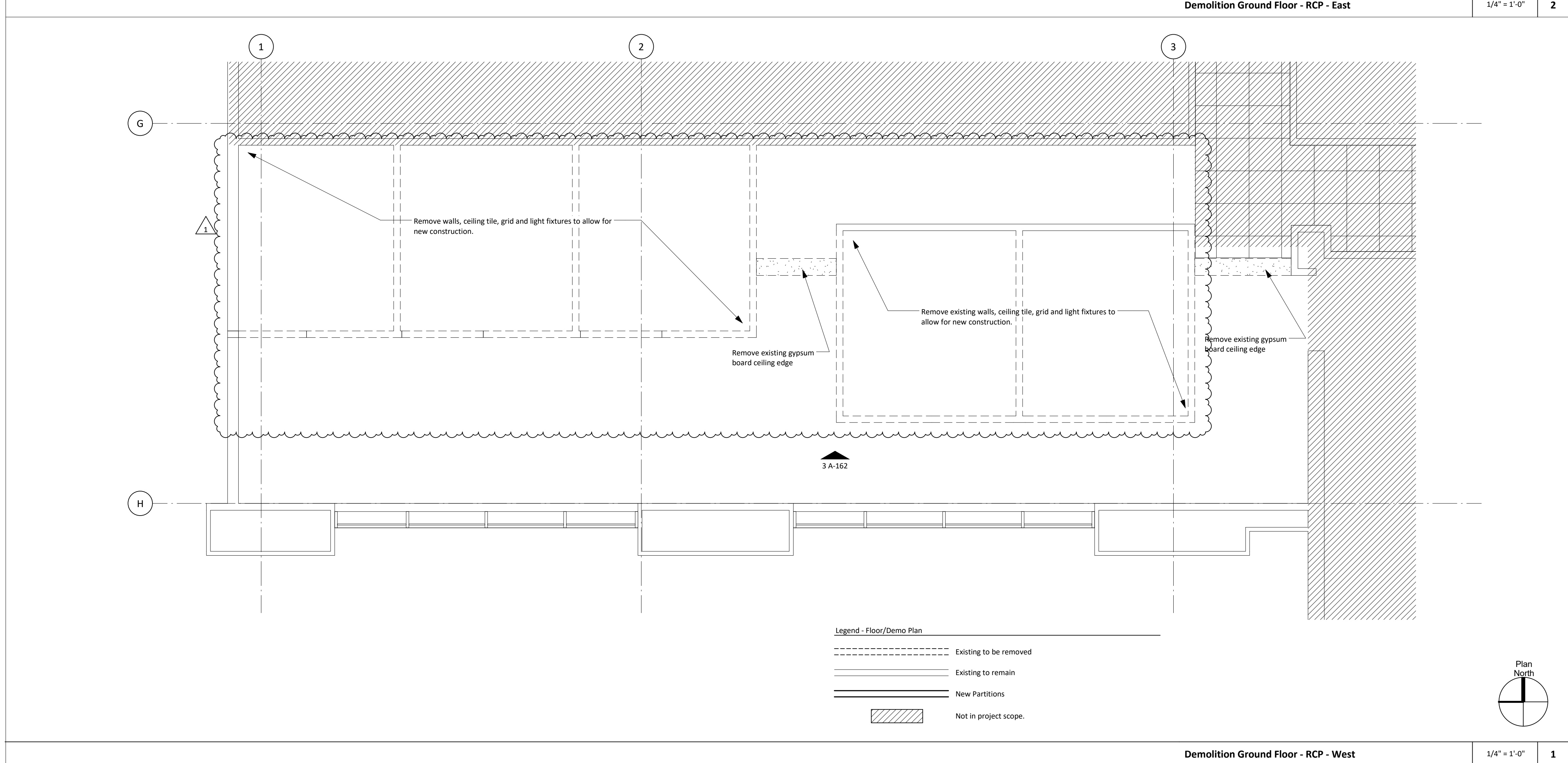
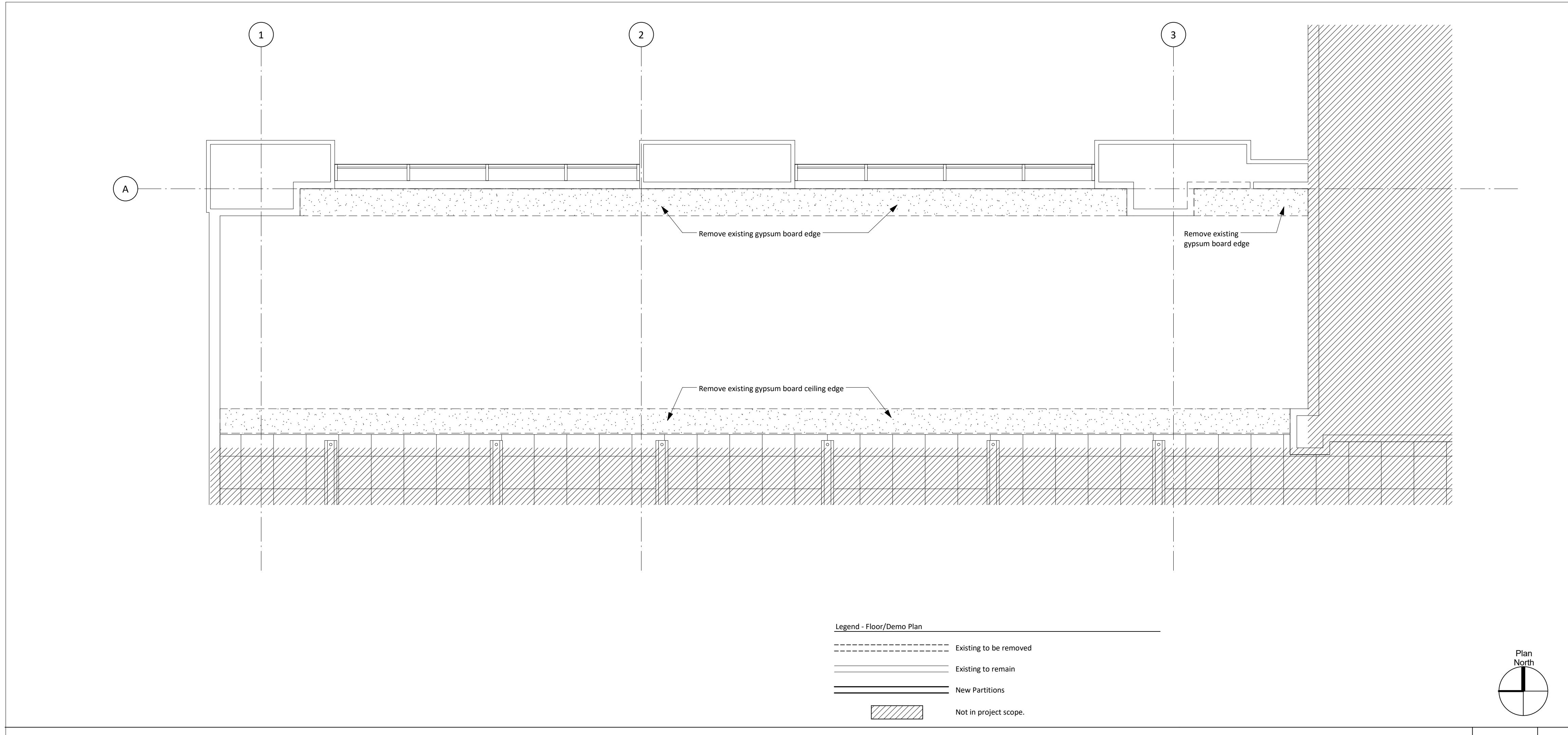
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Notes / Revisions

No.	Date	Description
1	11/14/2016	Addendum 3



MSB 1st Floor Infill LRC 3 & 4



Demolition Reflected Ceiling Plan - Ground Level

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Revisions

No.	Date	Description
1	11/14/2016	Addendum 3

Project:

MSB 1st Floor Infill LRC 3 & 4



Drawing Name:

Demolition Reflected Ceiling Plan - Level 1

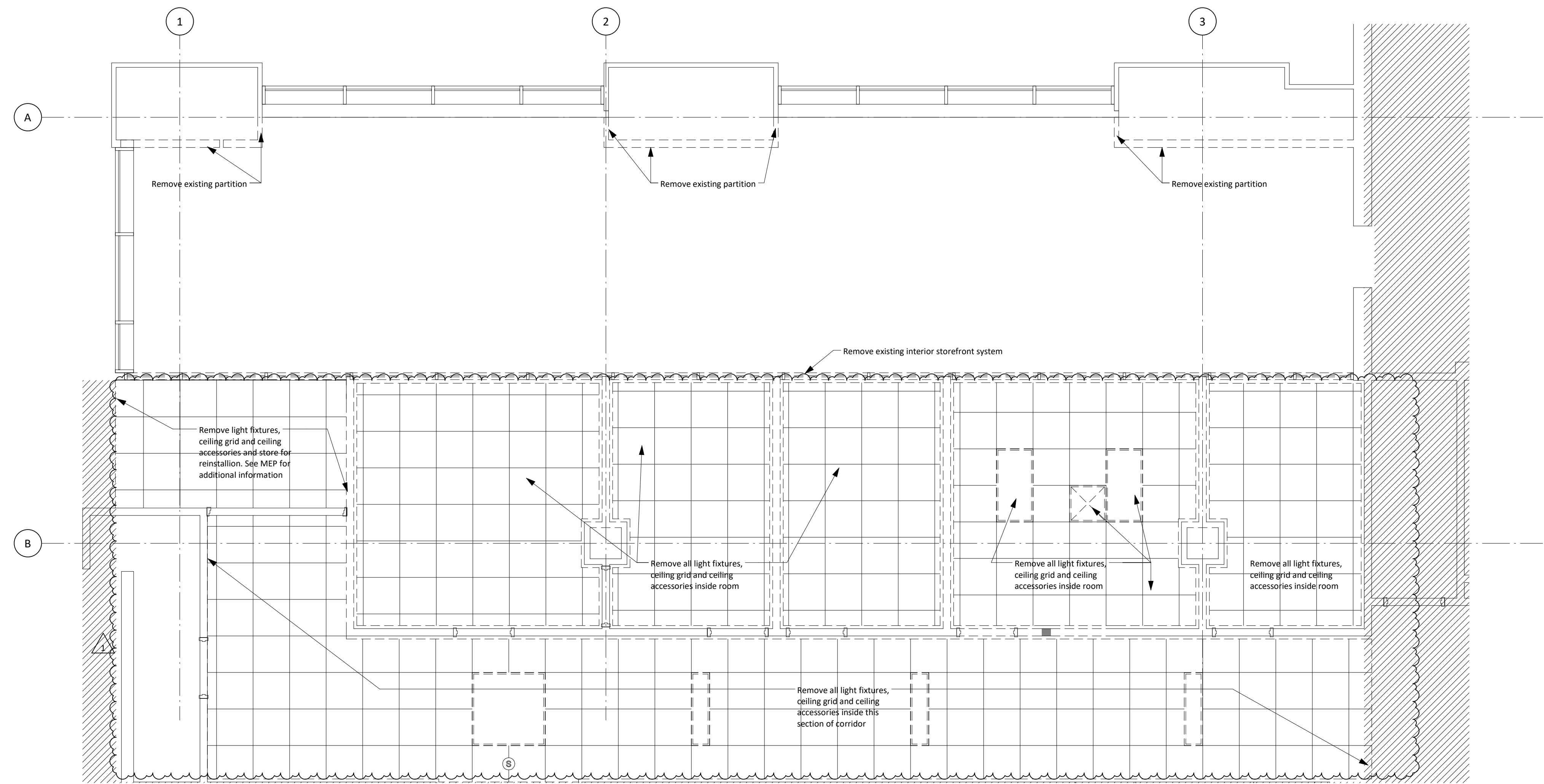
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Sheet Number: A-163



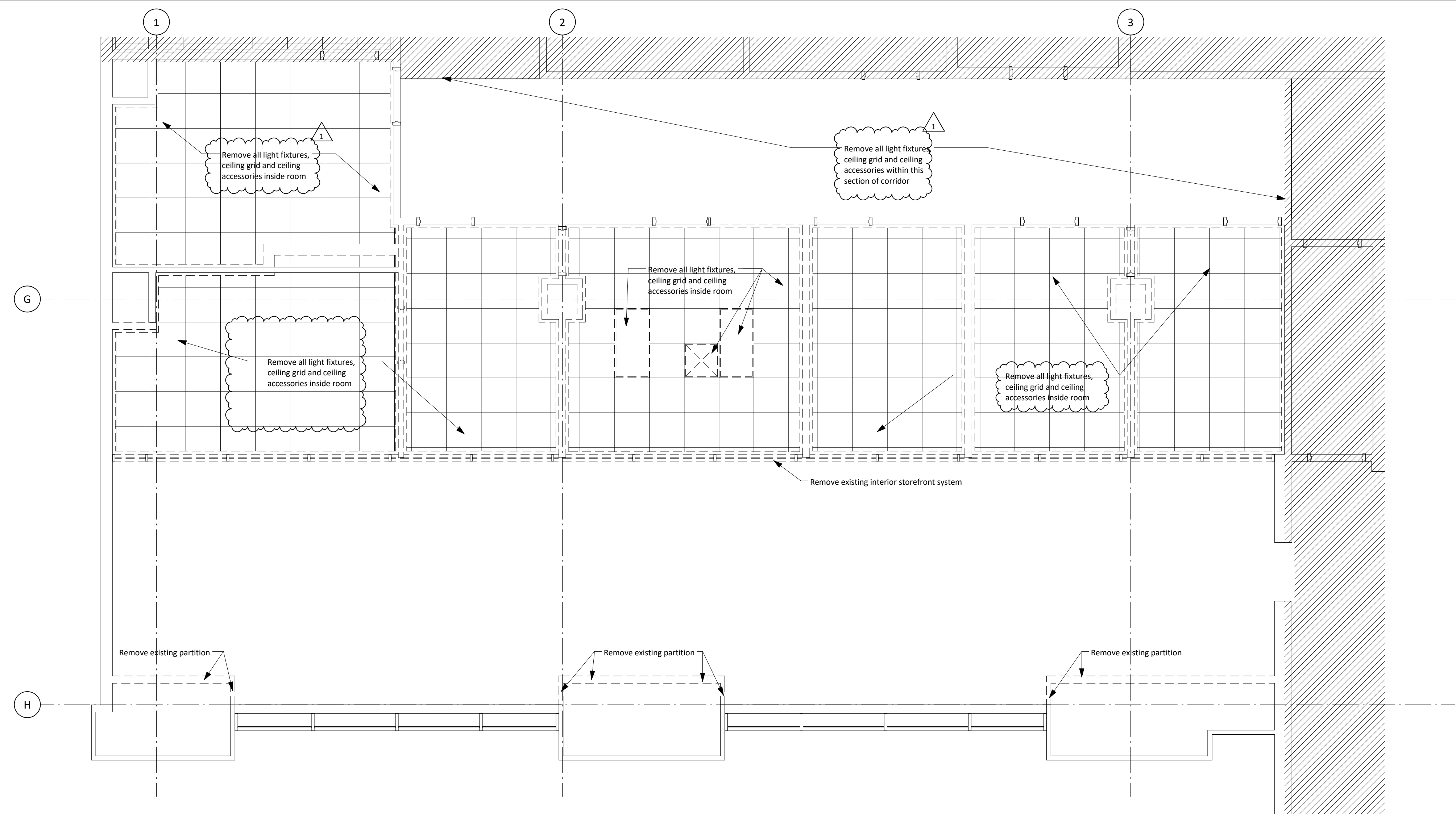
Legend - Floor/Demo Plan

---	Existing to be removed
---	Existing to remain
==	New Partitions
[Hatched Box]	Not in project scope.

Level 1 - Reflected Ceiling Plan - East

1/4" = 1'-0"

2



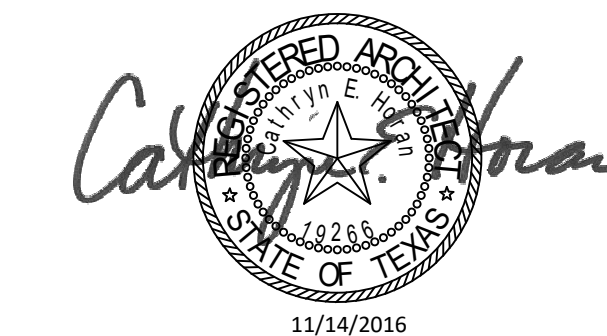
Legend - Floor/Demo Plan

---	Existing to be removed
---	Existing to remain
==	New Partitions
[Hatched Box]	Not in project scope.

Level 1 - Reflected Ceiling Plan - West

1/4" = 1'-0"

1



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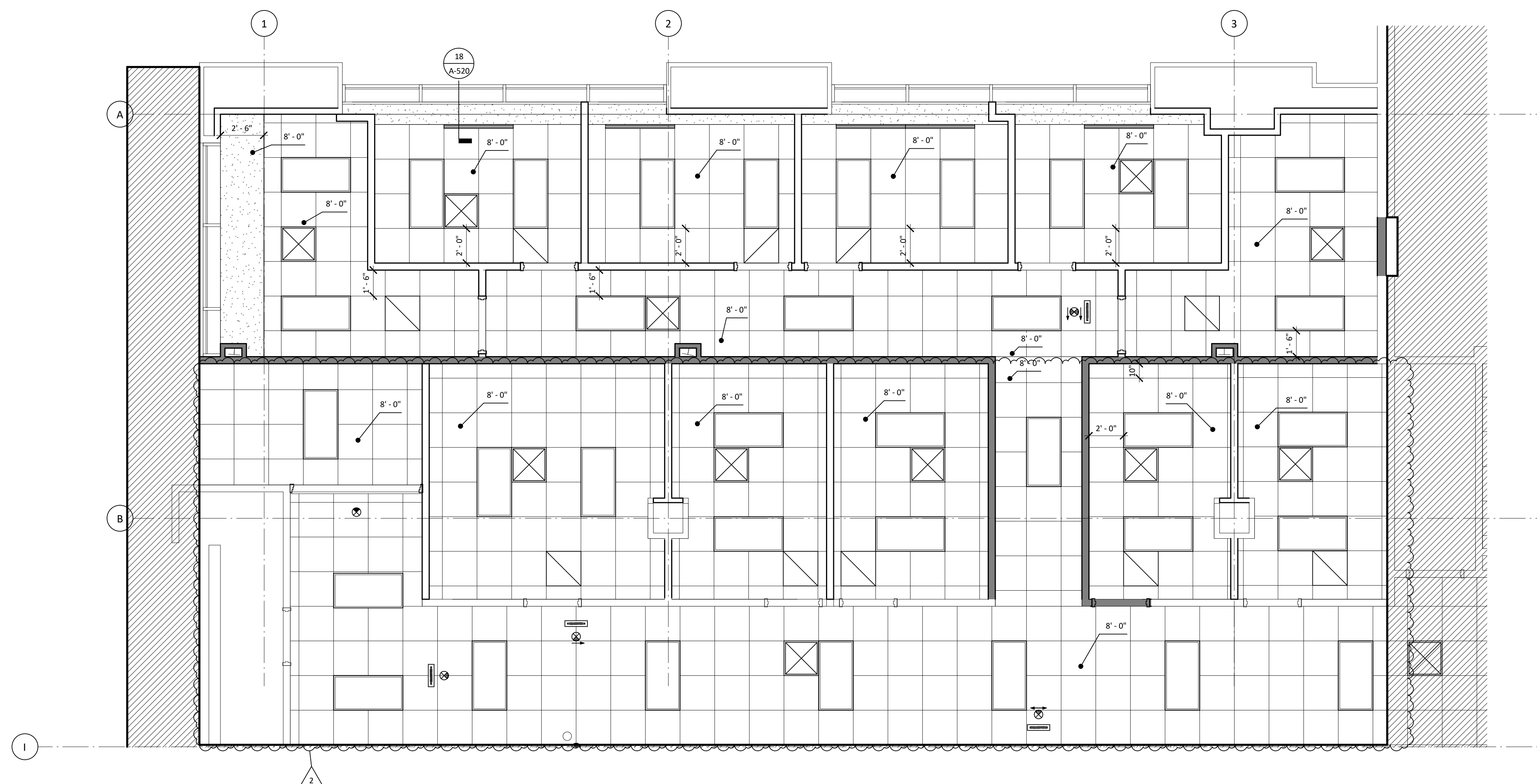
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Issues / Revisions

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General Notes - Reflected Ceiling Plan

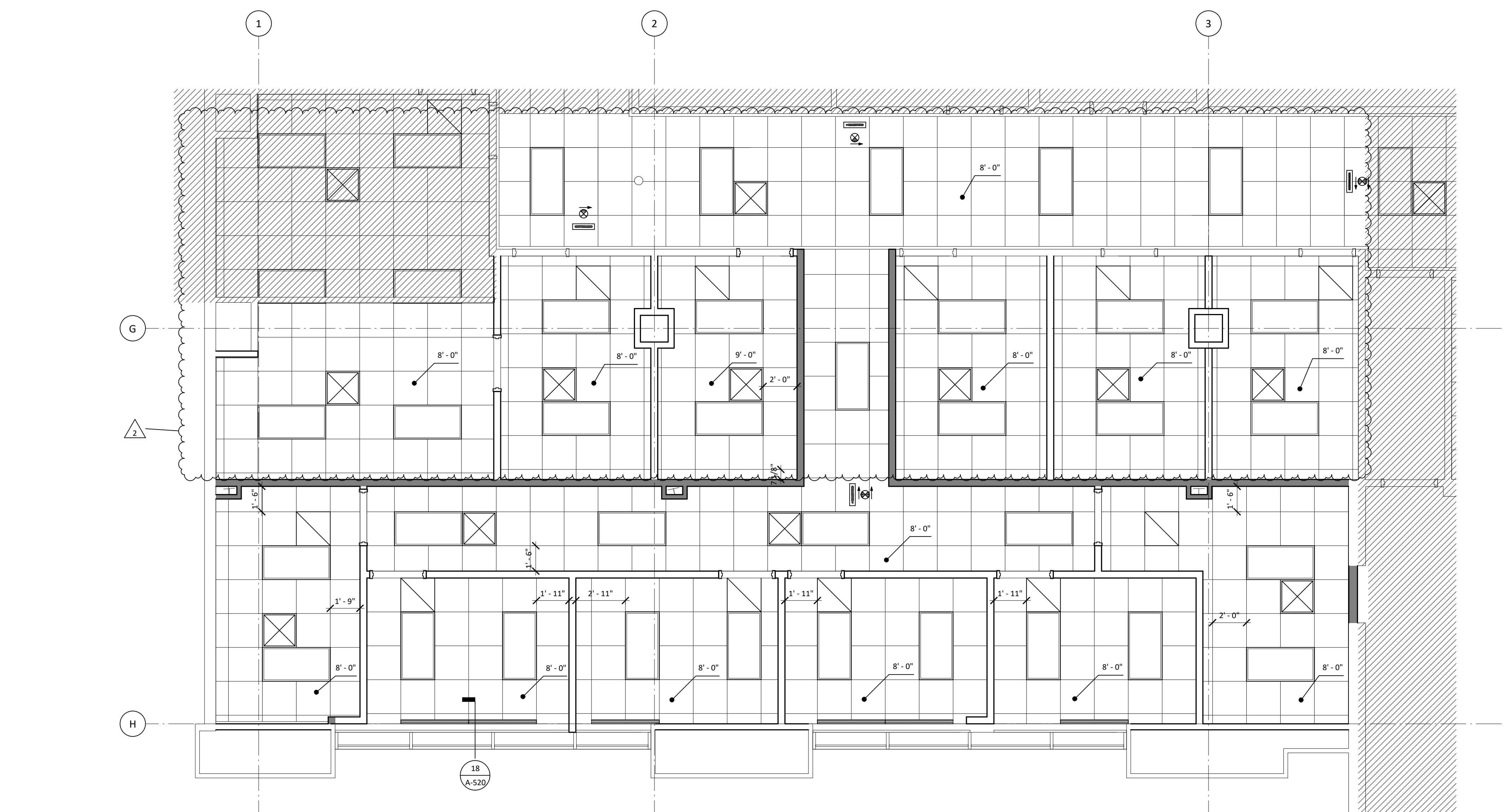
- All new ceilings to be 9'-0" a.f.f., unless noted otherwise. See Finish Schedule for types.
- Center all sprinkler heads and ceiling mounted devices in center of ceiling tile, unless noted otherwise.

Legend - Reflected Ceiling Plan

- New partition to structure. See 1 A-520 for partition schedule.
- Not in project scope.

Level 1 - Reflected Ceiling Plan - East

1/4" = 1'-0" 2



General Notes - Reflected Ceiling Plan

- 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.

Legend - Reflected Ceiling Plan

- New partition to structure. See 1 A-520 for partition schedule.
- Not in project scope.

Level 1 - Reflected Ceiling Plan - West

1/4" = 1'-0" 1

MSB 1st Floor Infill LRC 3 & 4



Reflected Ceiling Plans - Level 1

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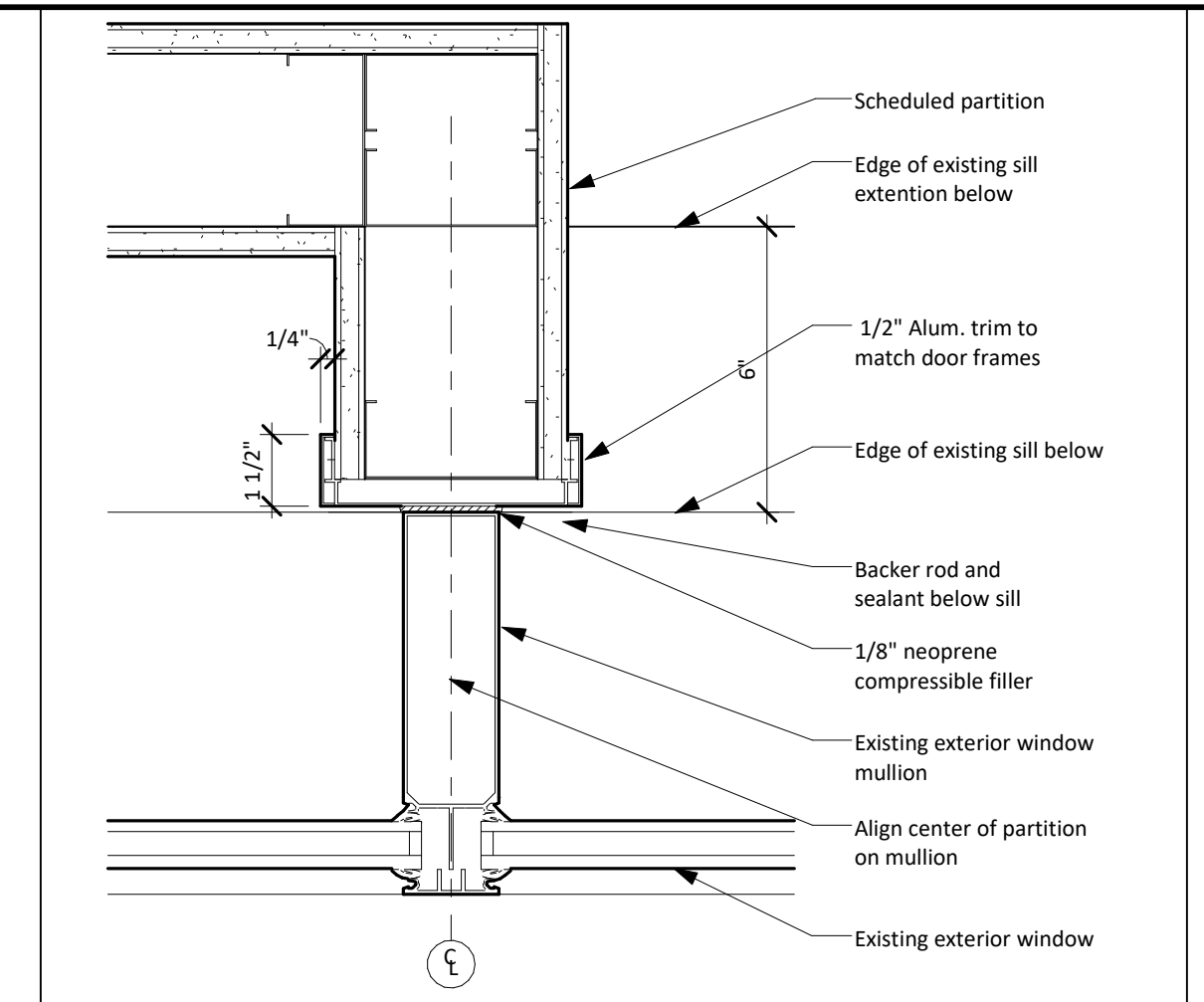
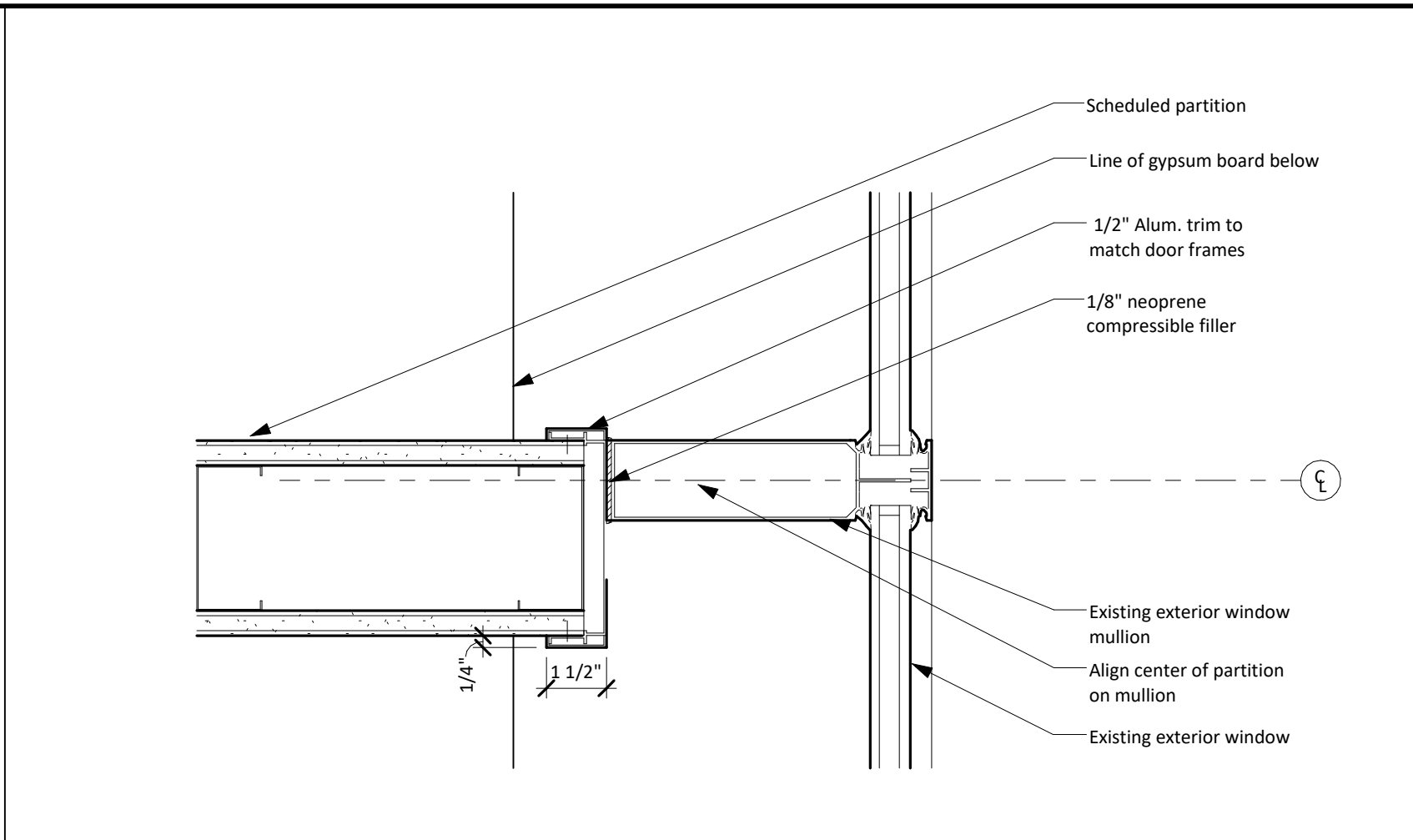
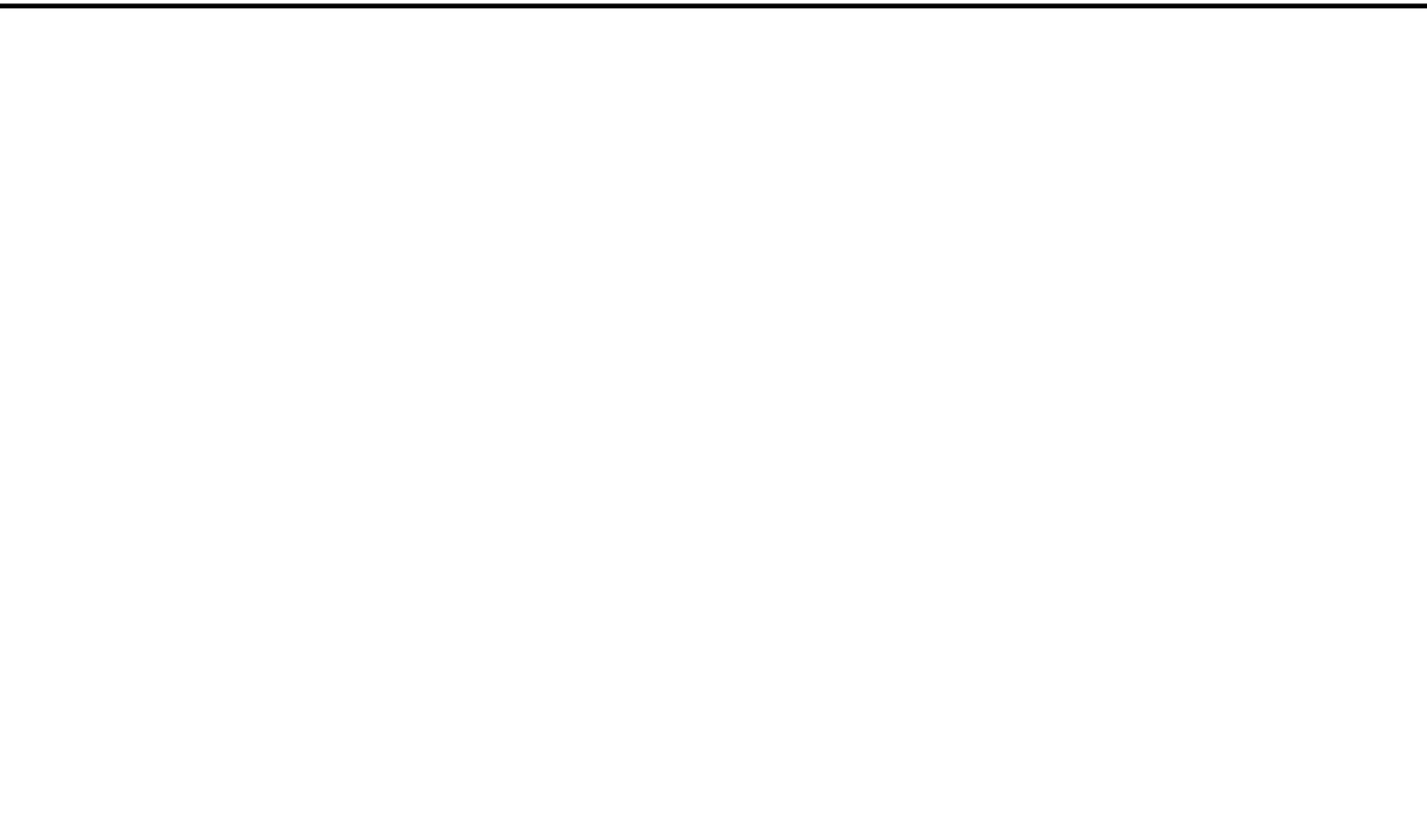
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Sheet Number

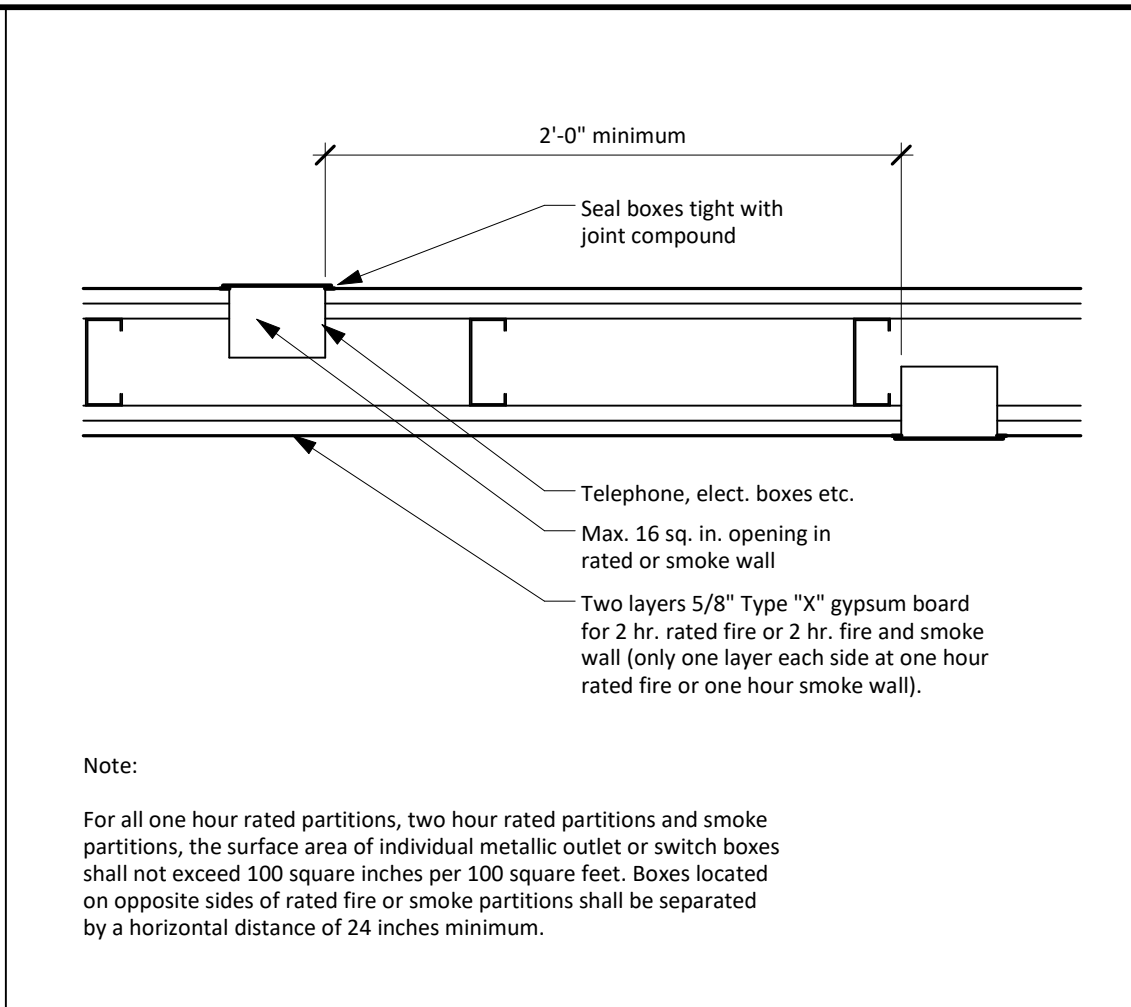
A-164

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Wall Priority Legend	
2-hour fire and smoke barrier wall:	Priority 1 (Highest)
2-hour fire wall:	Priority 2
1-hour fire and smoke barrier wall:	Priority 3
1-hour fire wall:	Priority 4
Non-rated wall:	Priority 5 (Lowest)

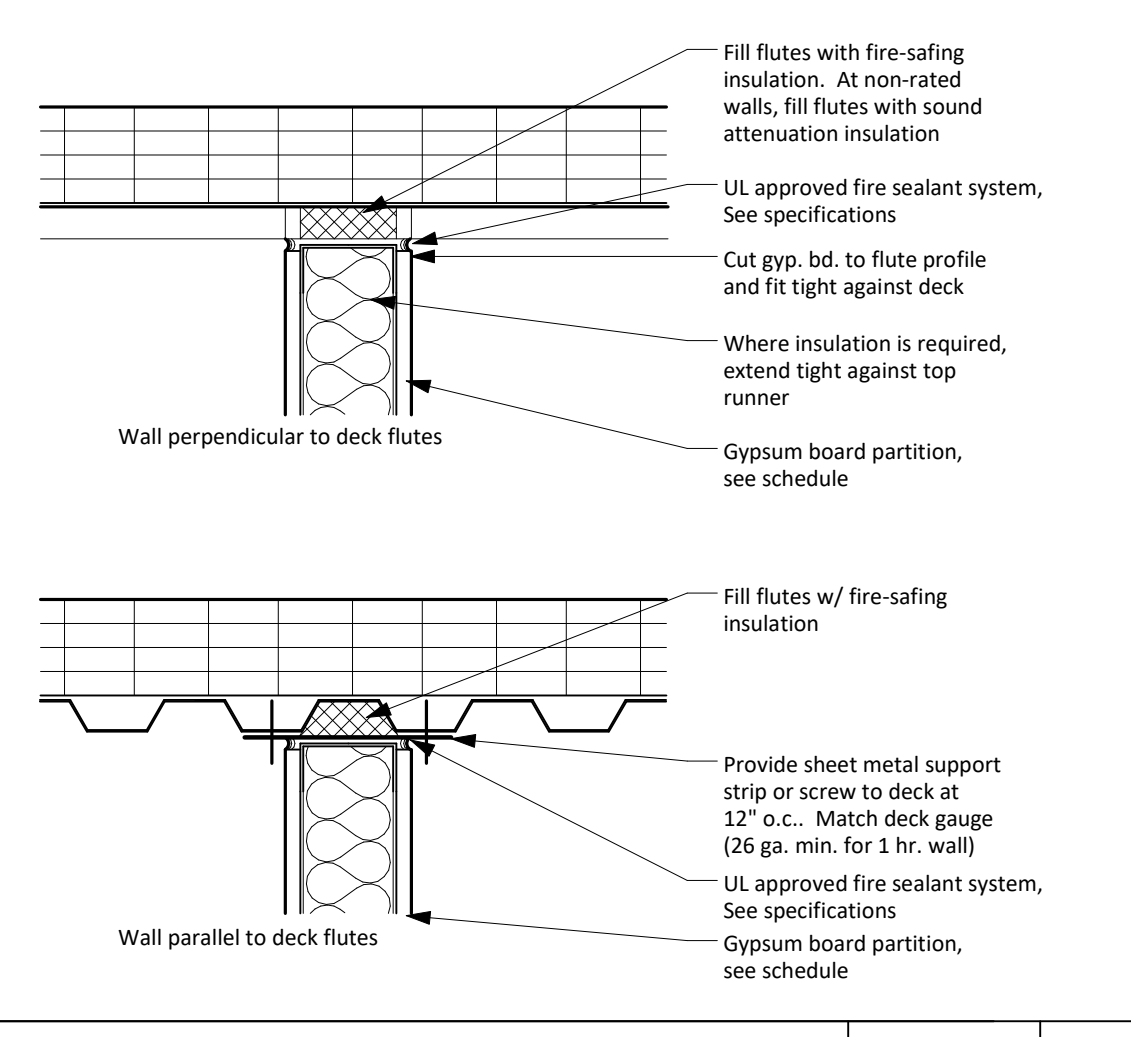
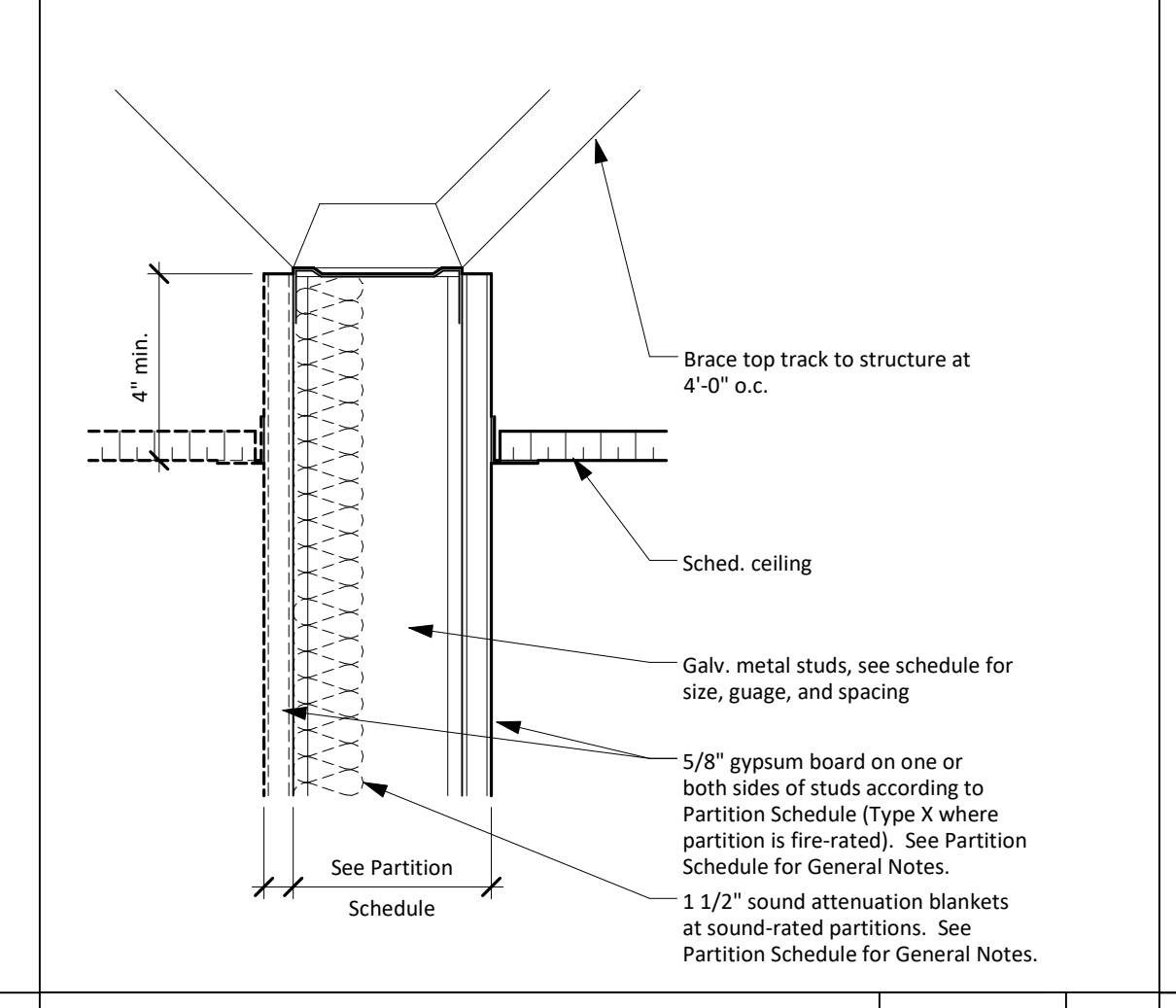
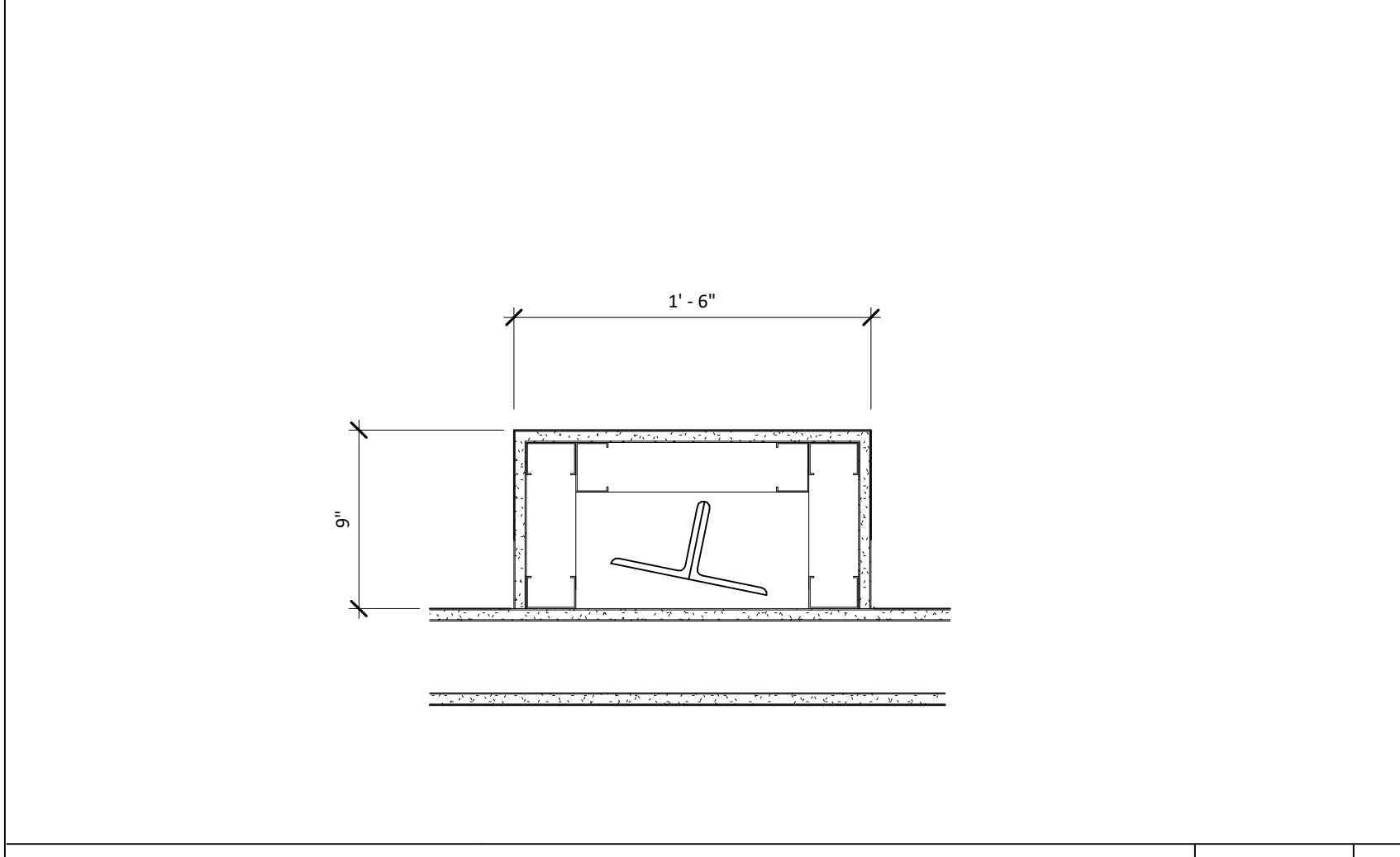


Partition at Mullion Detail 3" x 1'-0" 20

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



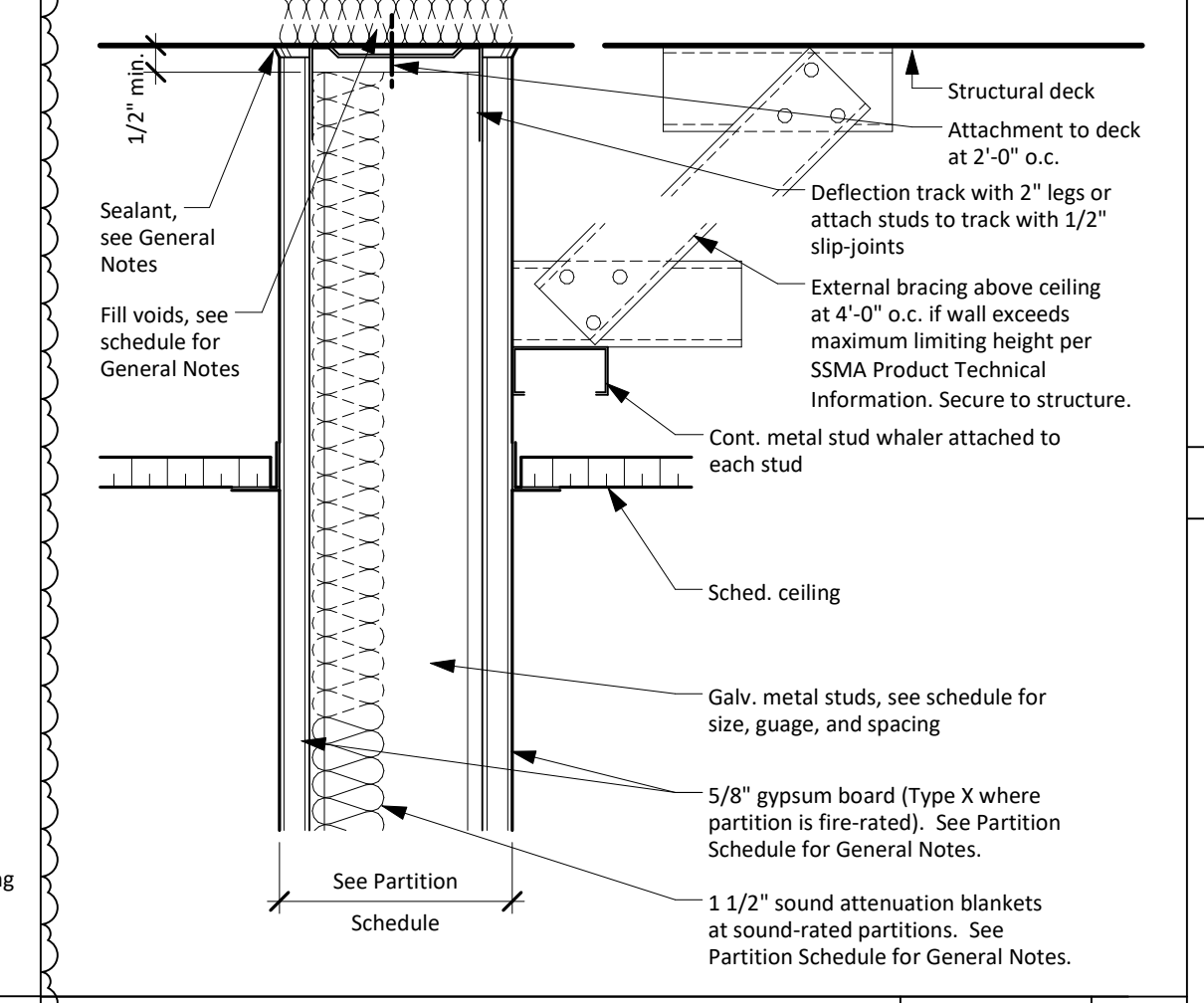
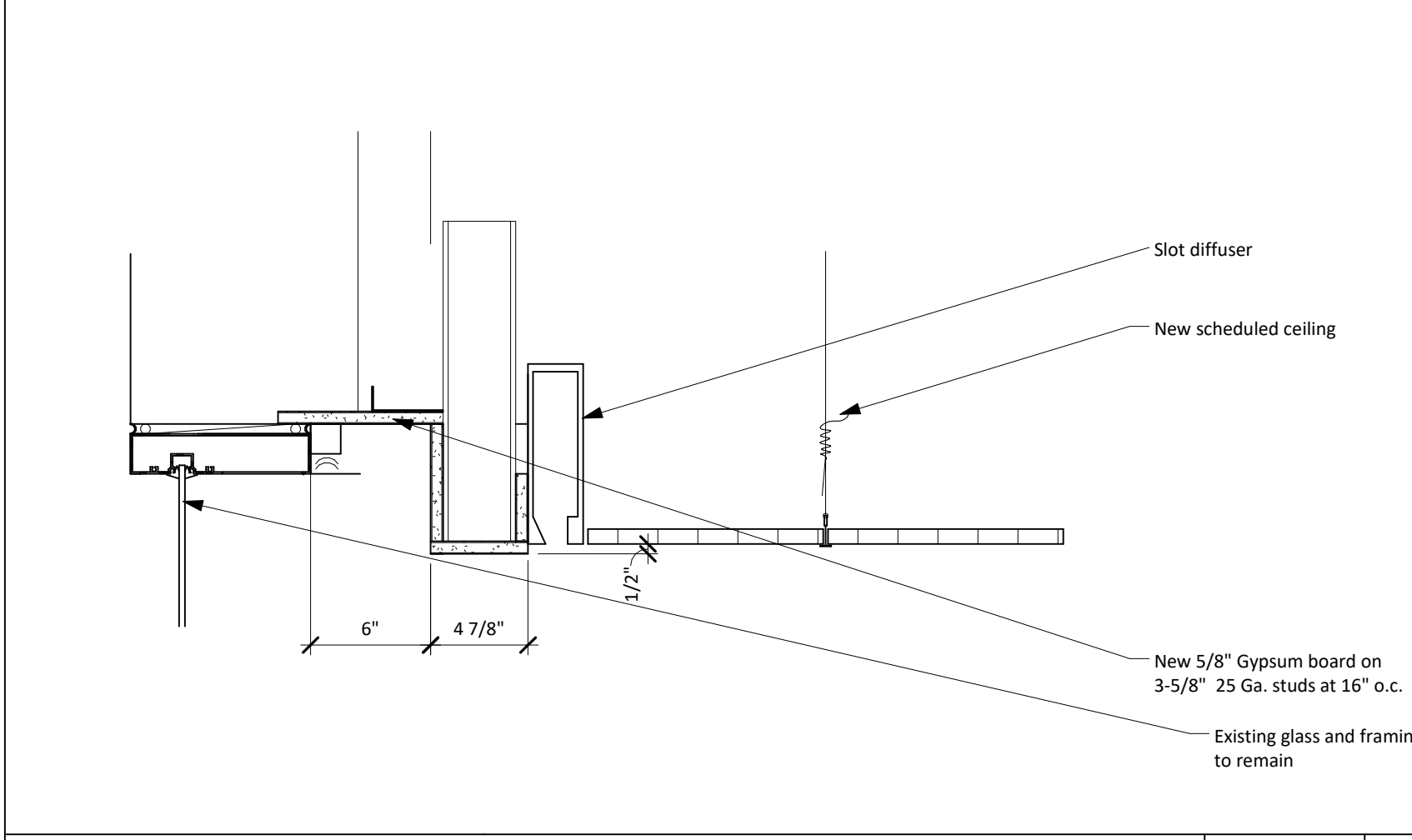
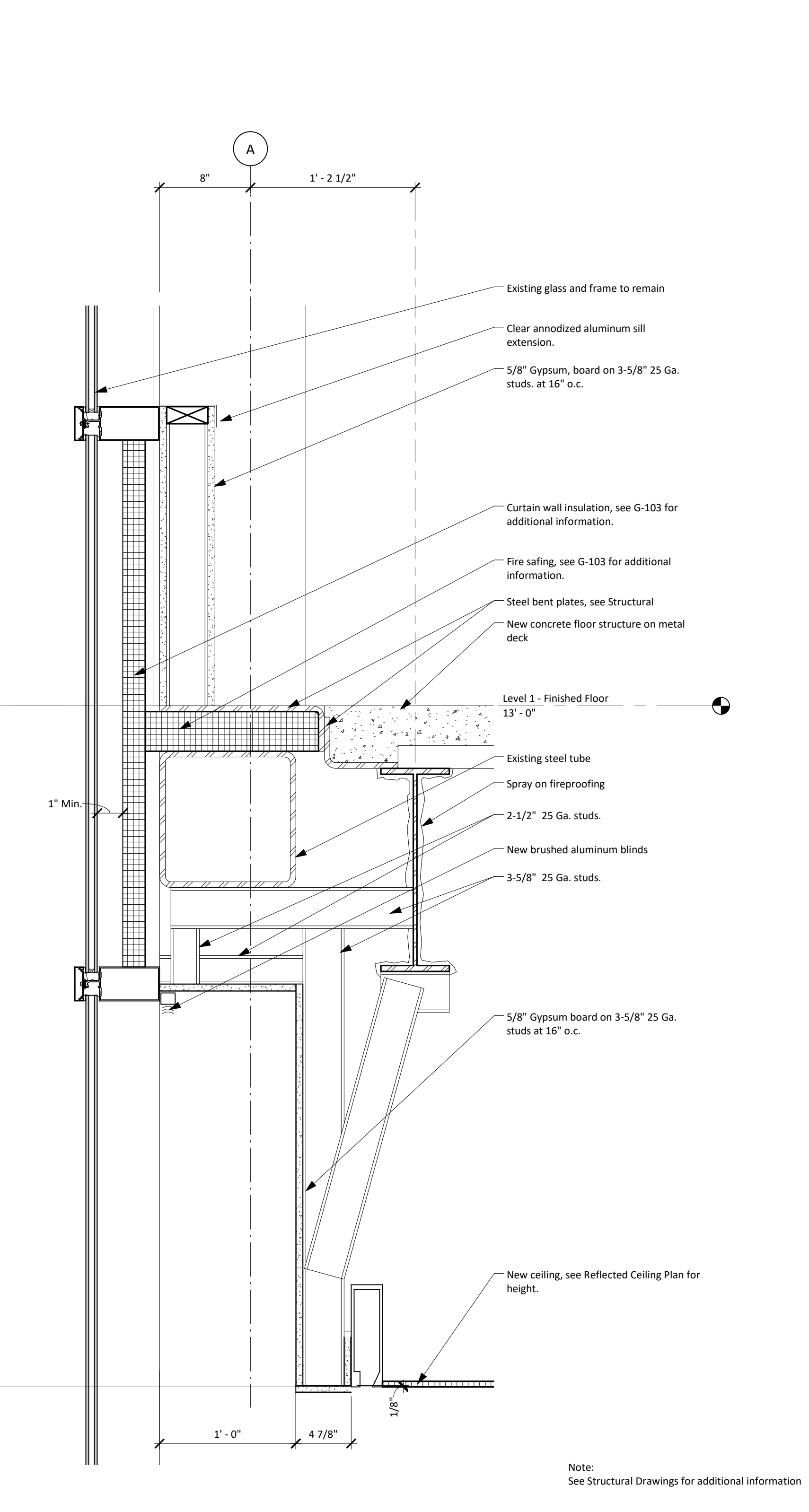
Typical Partition Details N.T.S. 4

Enlarged Plan - Steel Hanger Furr-out 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



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 fire 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	
Design Diagram	B C E P
Structure	
Ceiling	
Floor	

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'-8"	2-Hour	UL U411	48	16 A-540	17 A-540	18 A-540	-
P1	One-sided partition to 4" above ceiling	3 1/2"	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 1

Fire Safing at Steel Tube - Detail 1 1/2" x 1'-0" 21

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

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

Partition Type Legend and Schedule 1

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

Partition at Floor N.T.S. 11

Partition Type Legend and Schedule 1

Partition Type Legend and Schedule 1

Partition Type Legend and Schedule 1

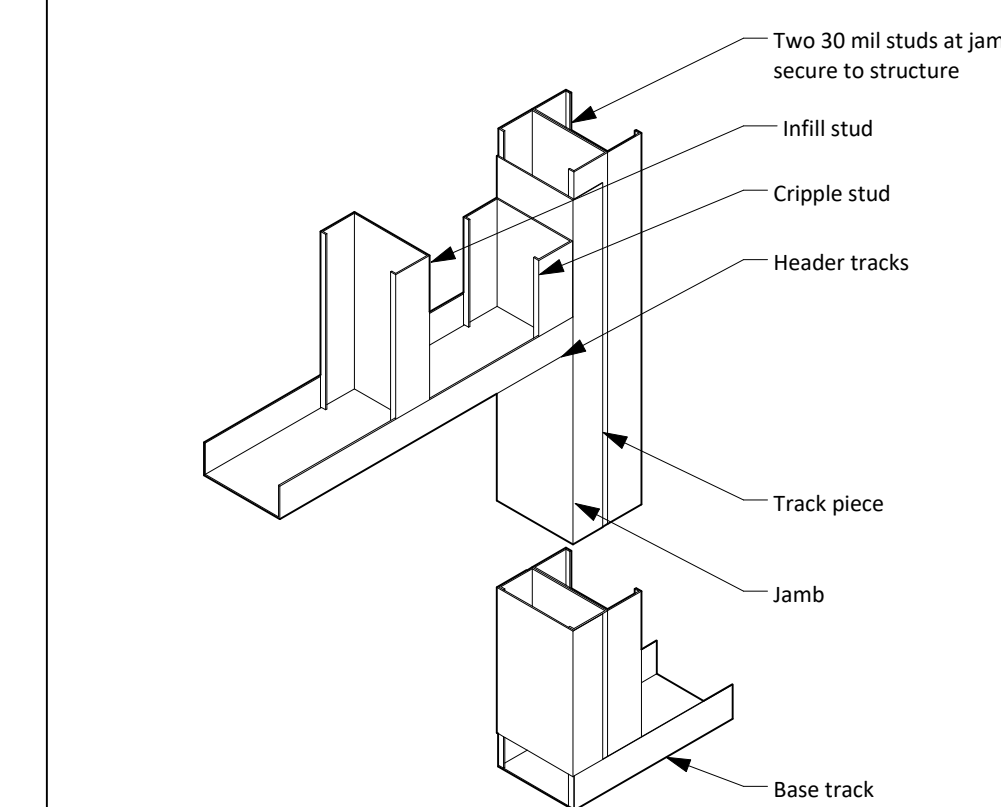
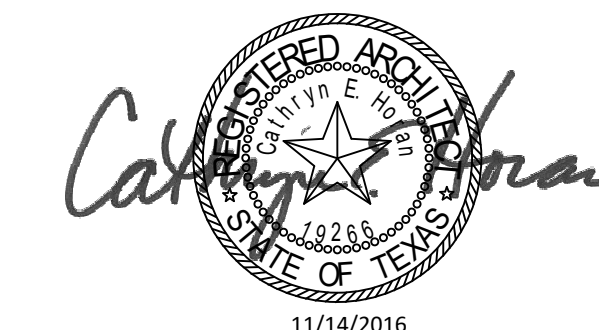
Issue/Revision

No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

MSB 1st Floor Infill LRC 3 & 4



Partition Types and Interior Construction Details



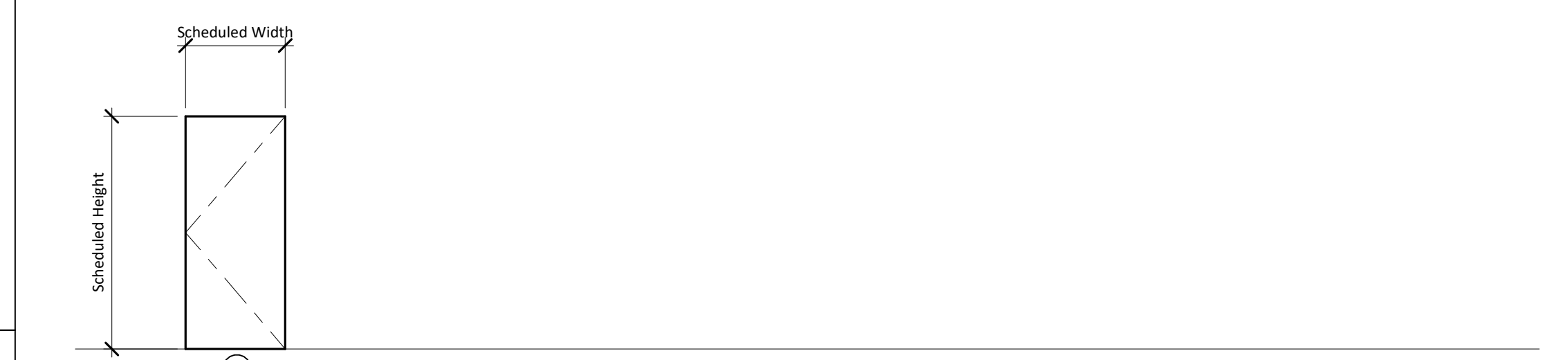
Typical Framing at Opening N.T.S. 5

Type Mark	Description	Manufacturer	Pattern/Line	Color	Notes
Floors					
CPT1	Carpet	Interface Flooring	Furrows II	9214 Georgia Clay	
VCT1	Vinyl composition tile	Armstrong	Imperial Texture	51810 Washed Linen	
Base					
RBC	Rubber base, cove	Roppe		P193 Black/Brown	
Walls					
PT1	Paint	Sherwin Williams	Semi-gloss	SW 7043 Worldly Gray	
Ceilings					
ACT2	Acoustical ceiling tile, 2' X 2'	Armstrong	Fine Fissured	11732	
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

Finish Material Schedule 3

Finish Type Mark	Floor	Base	Wall	Ceiling	Misc/Trim	Door	Frame	Notes
F1	CPT1	RBC	PT1	ACT2	-	WV	FPT1	
F2	VCT1	RBC	PT1	ACT2	-	WV	FPT1	
F13	CPT2	RBS	PT1	ACT2	-	WV	FPT1	
F14	Default Floor	RBS	PT1	ACT2	-	WV	FPT1	

Room Finish Type Schedule 2



Type	Description	Door				Frame				Fire Rating (min.)	Notes		
		Width	Height	Thick.	Elev. No.	Sill Detail	Jamb Detail(s)	Head Detail					
A00	Interior flush door	3'-0"	7'-0"	1 3/4"	1	Wood	DPL1	Steel	FPT1	11 A-540 12 A-540	13 A-540	-	
None	Interior double egress narrow lite doors	7'-4"	7'-0"	1 3/4"	12	Wood	DPL1	Steel	FPT1	16 A-540 18 A-540	17 A-540	-	

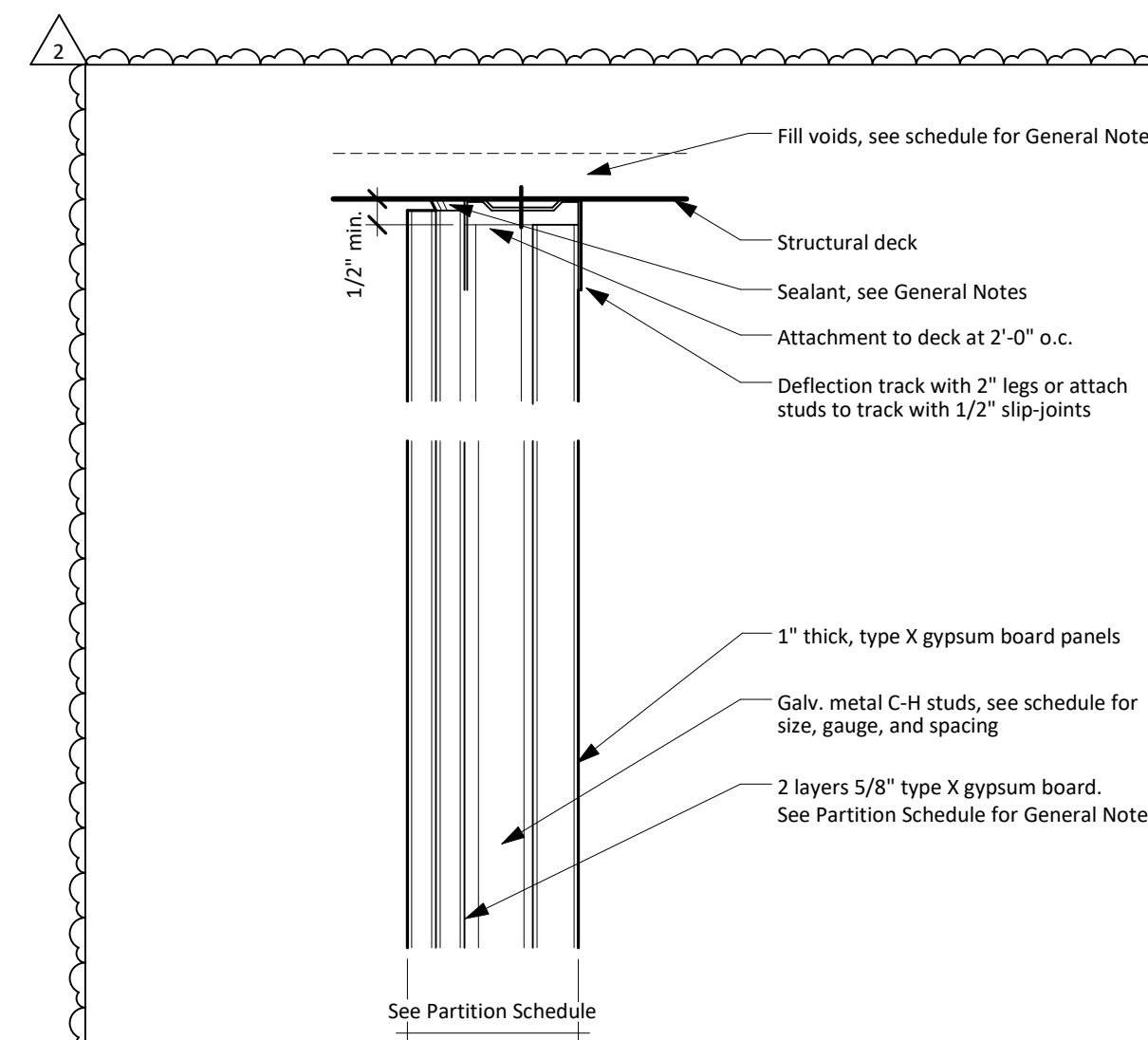
General Notes
1. See detail S A-540 for stud framing around door opening.

HW SET-01 Office

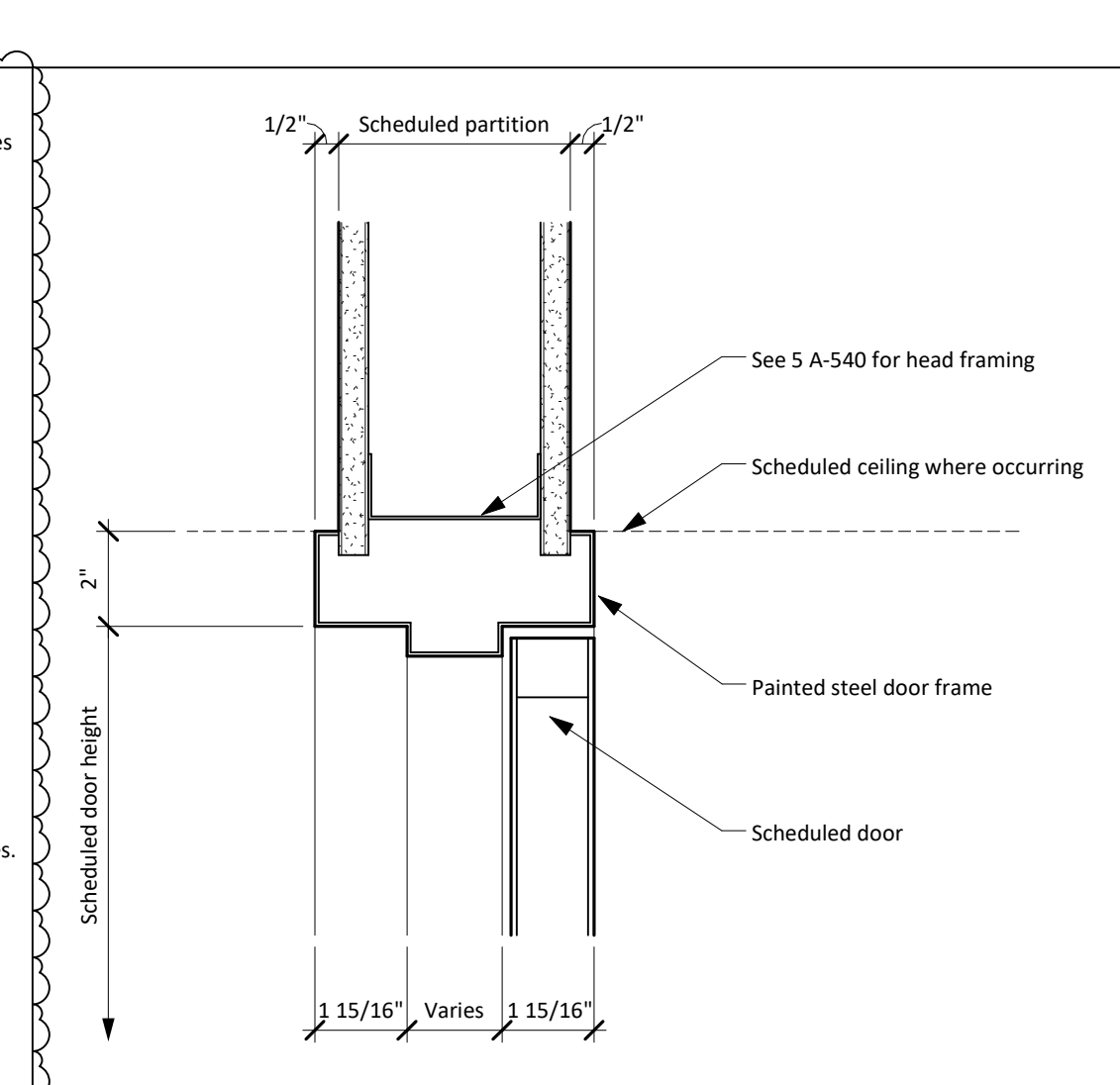
Each to have:

-3 EA	Hinge	4 1/2"x4 1/2" TA2714	652	MCK
-1 EA	Entrance Lock	93K7AB14DS3-626		BES
-1 EA	FSC Core Only			
-1 EA	Door Stop	406	630	RCK
-3 EA	Silencers	609		Grey RCK

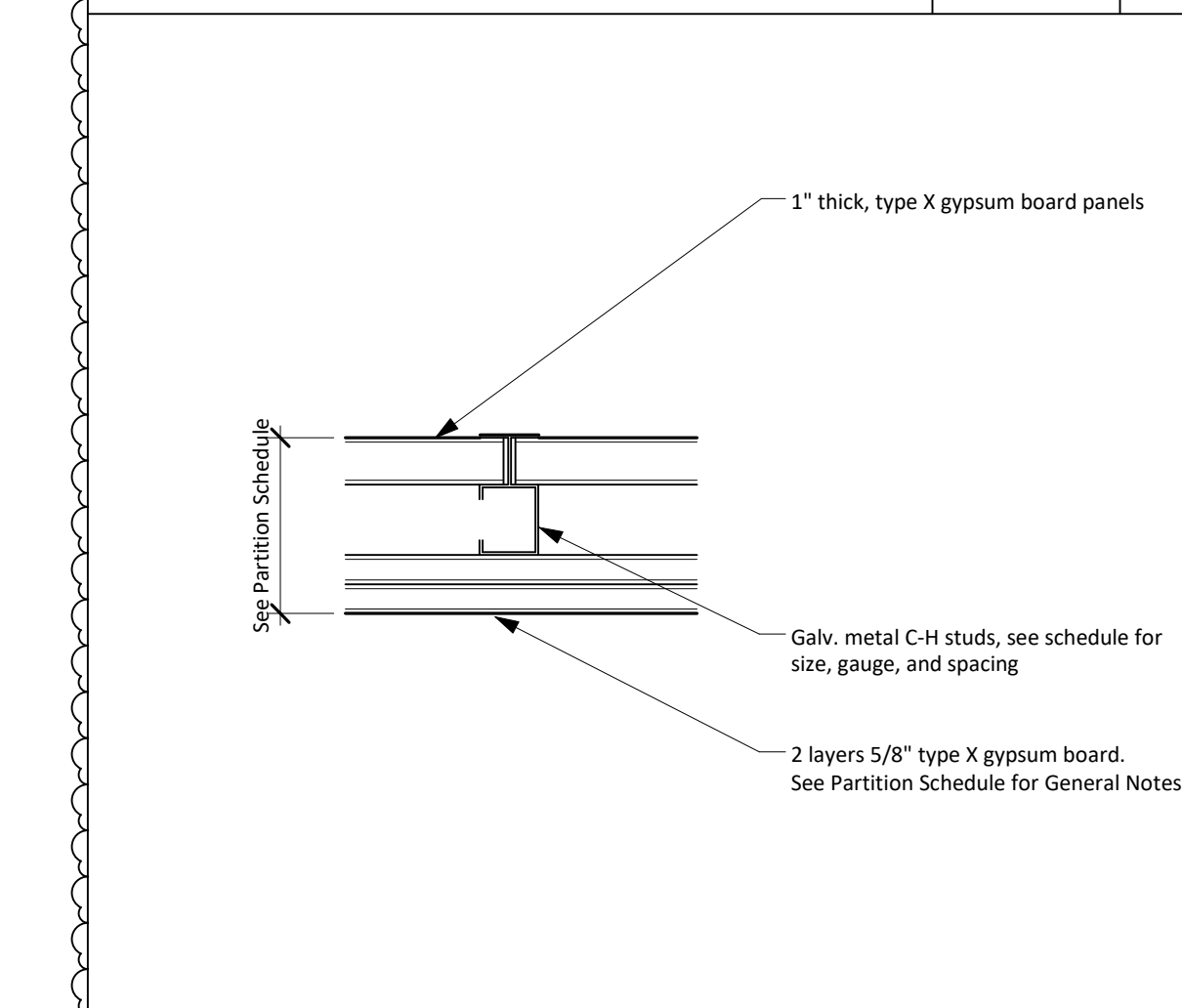
Door Type Schedule 1



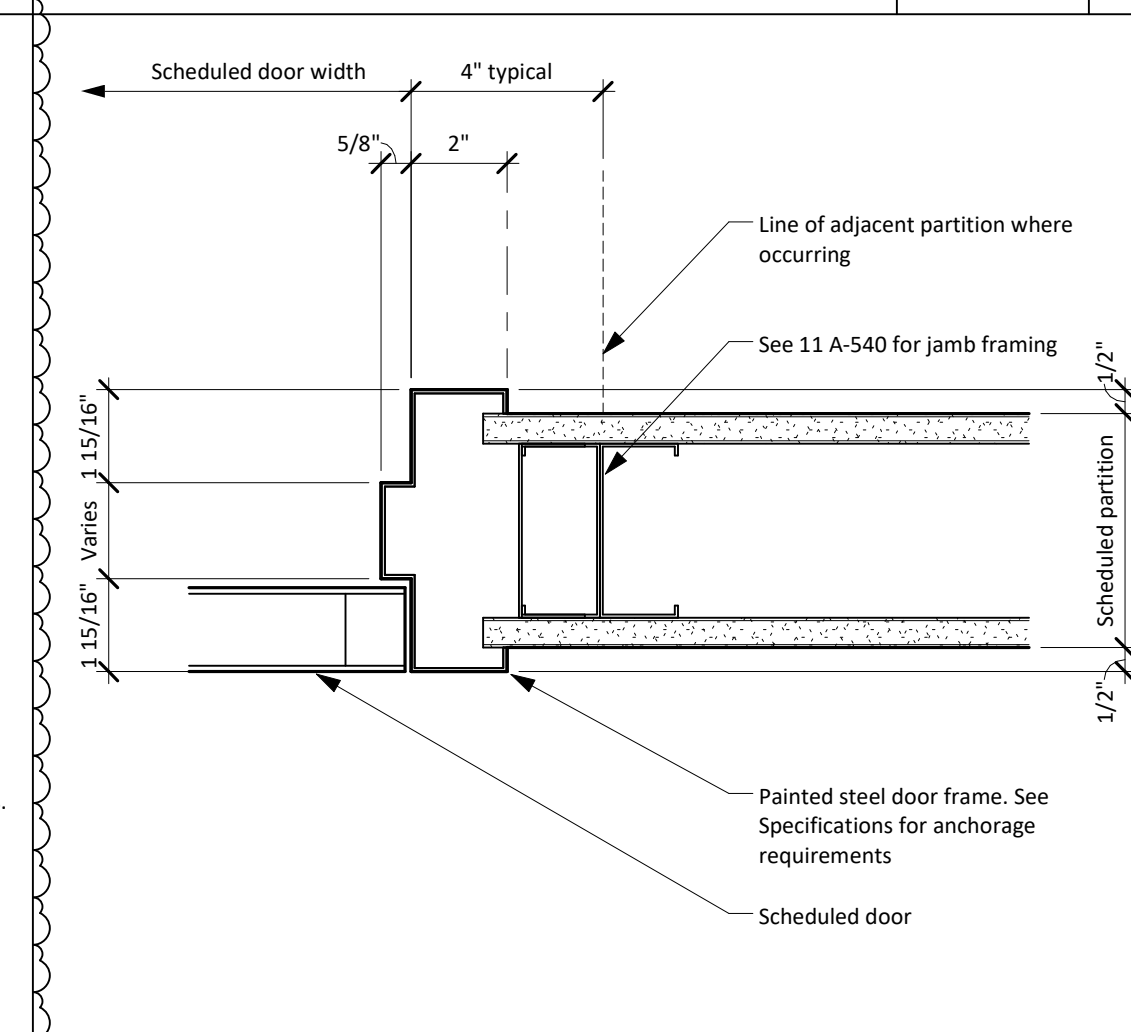
Partition at Ceiling/ Structural Deck 12" = 1'-0" 18



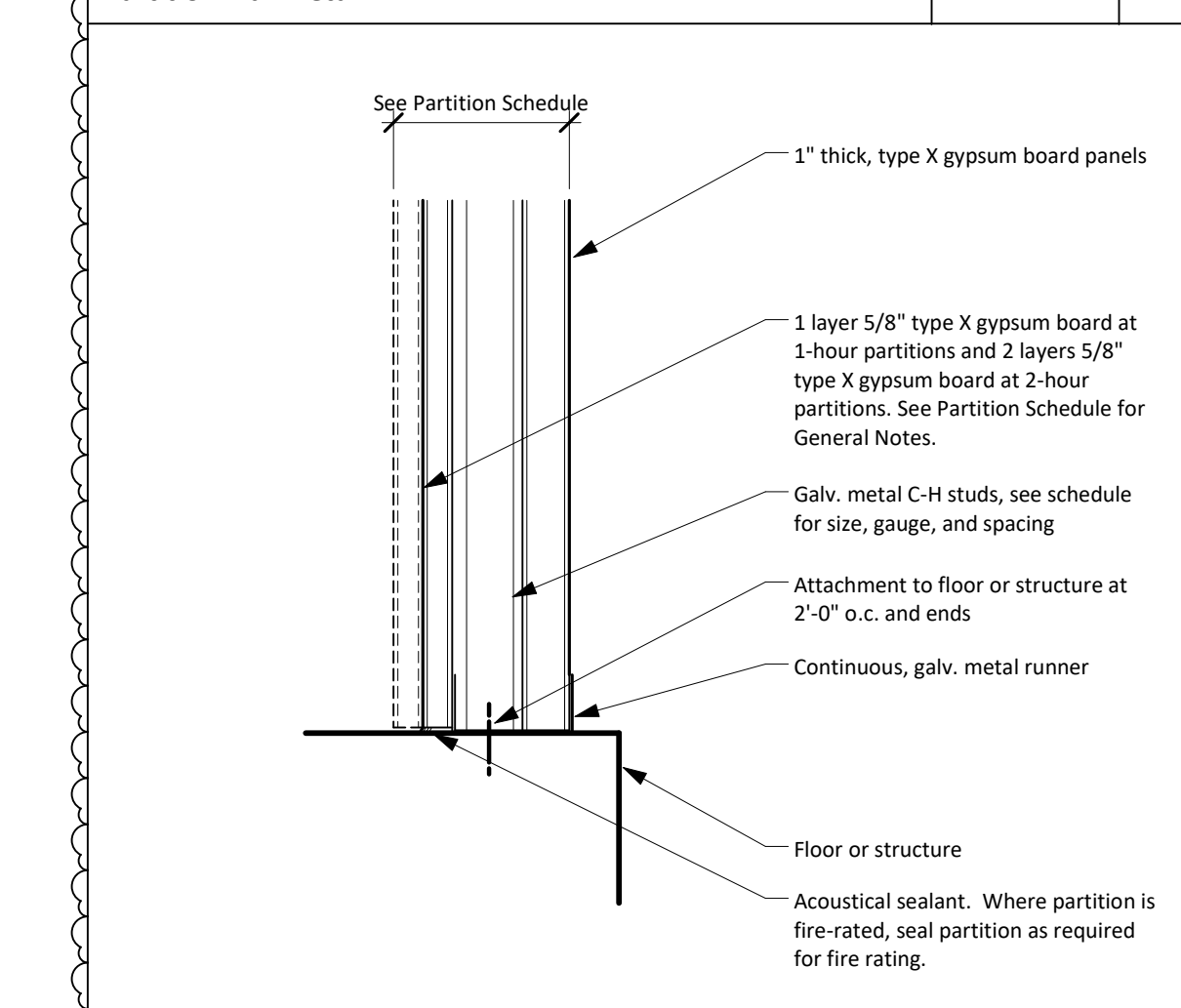
Head at Interior Steel Door Frame 3" = 1'-0" 13



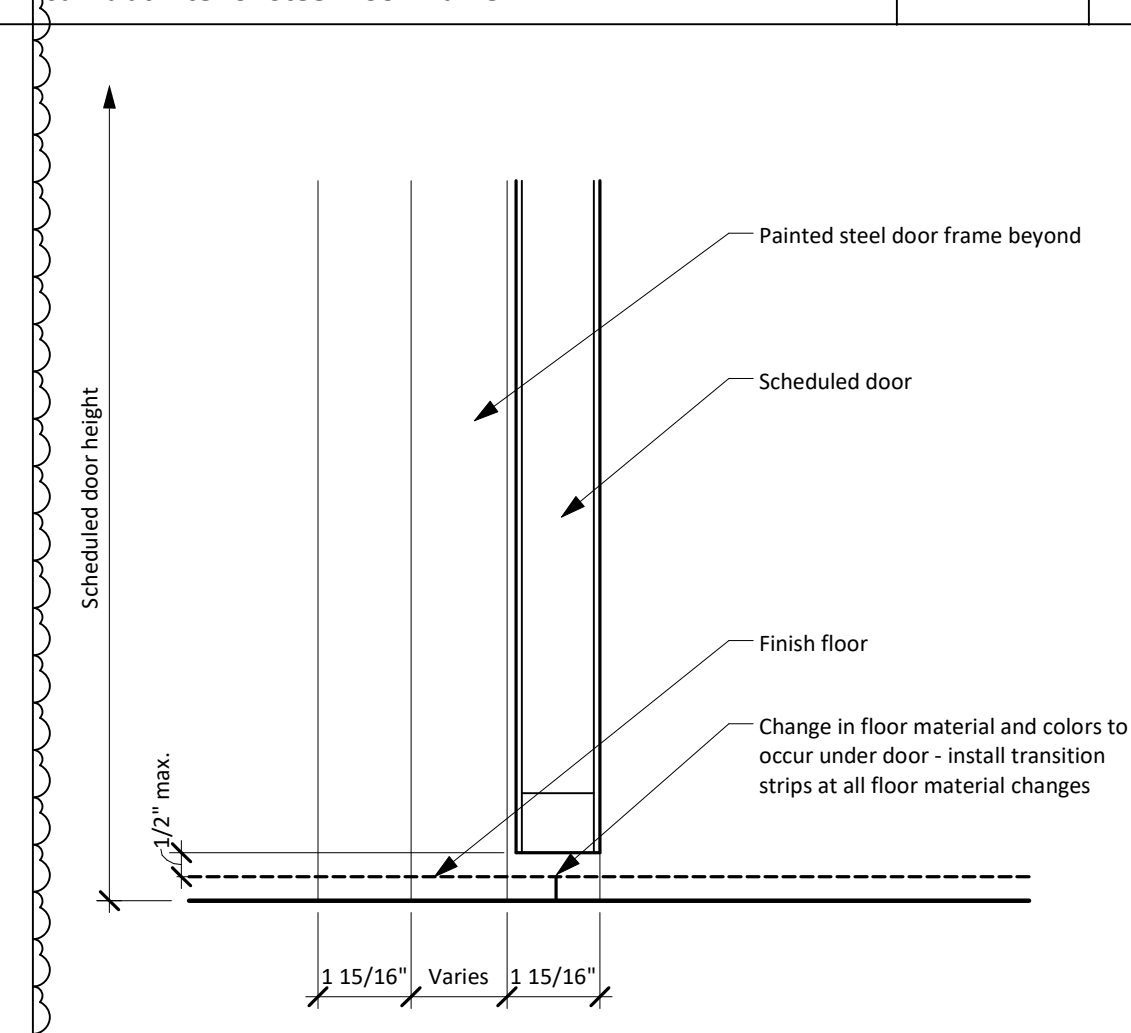
Partition Plan Detail 12" = 1'-0" 17



Jamb at Interior Steel Door Frame 3" = 1'-0" 12



Partition at Floor 3" = 1'-0" 16



Sill at Interior Steel Door Frame 3" = 1'-0" 11

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Issue / Revision

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1	07/08/2016	Issue for Construction
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Project

MSB 1st Floor Infill LRC 3 & 4



Drawing Name

Door and Window Details

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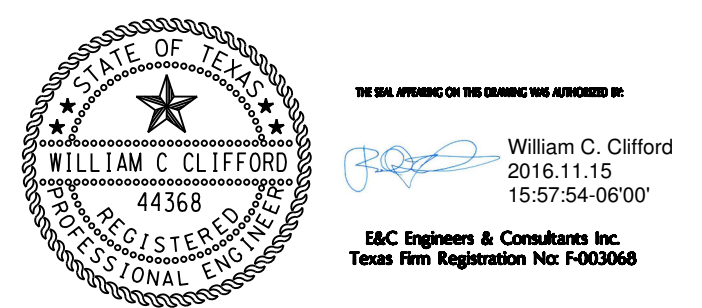
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P/W Commission Number: _____ Sheet Number: _____

214-198R A-540

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Issue / Revision

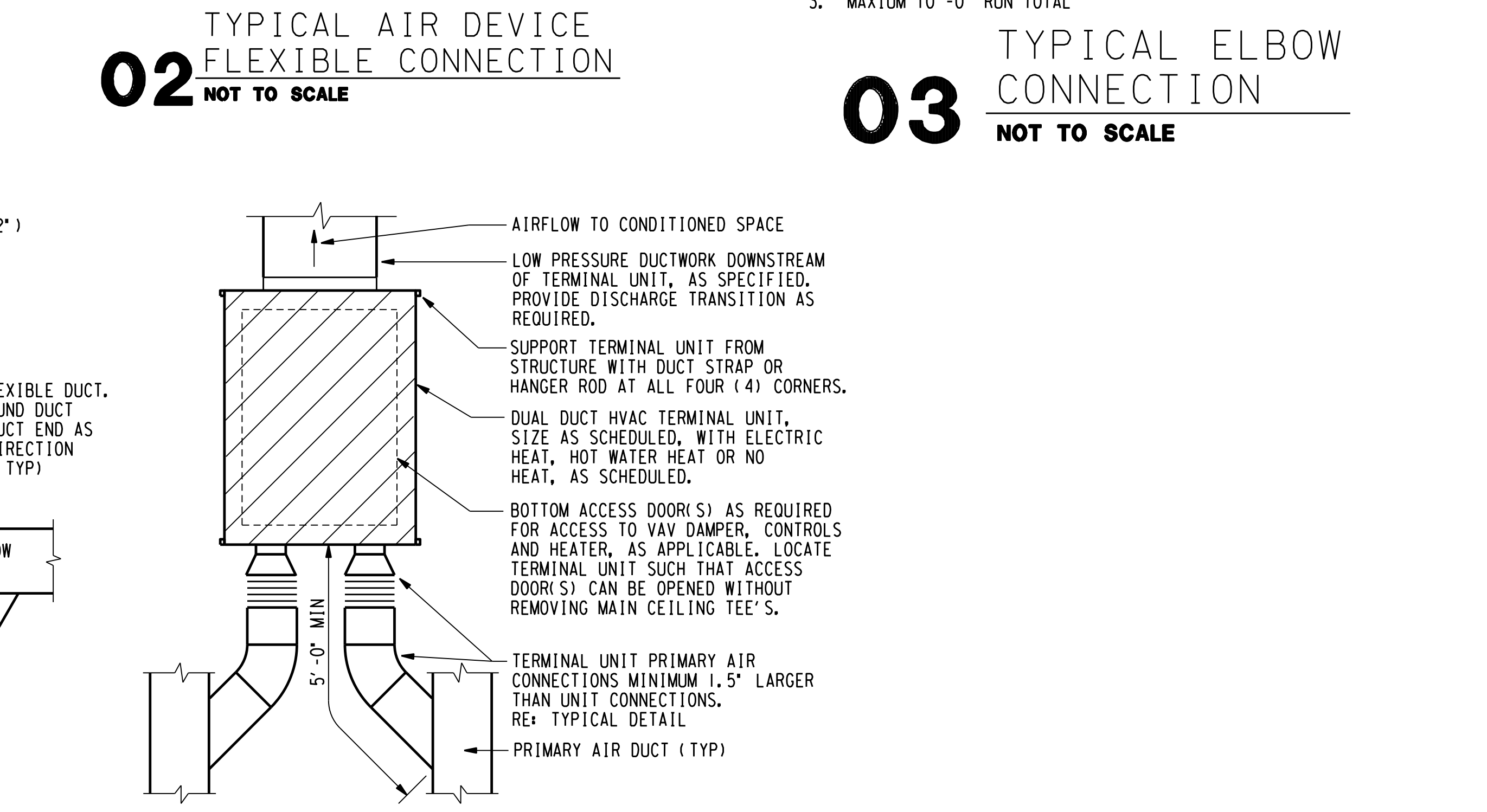
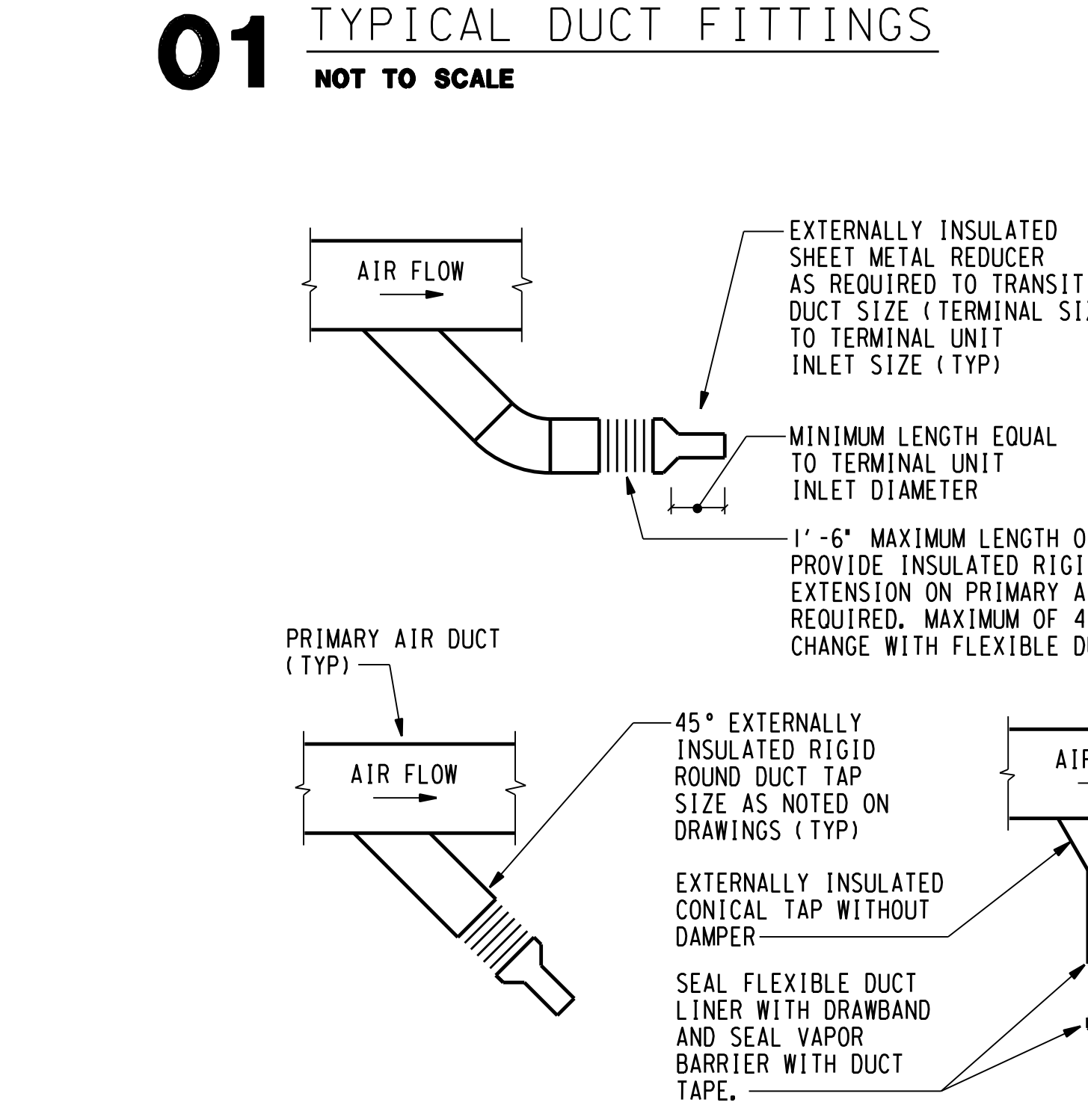
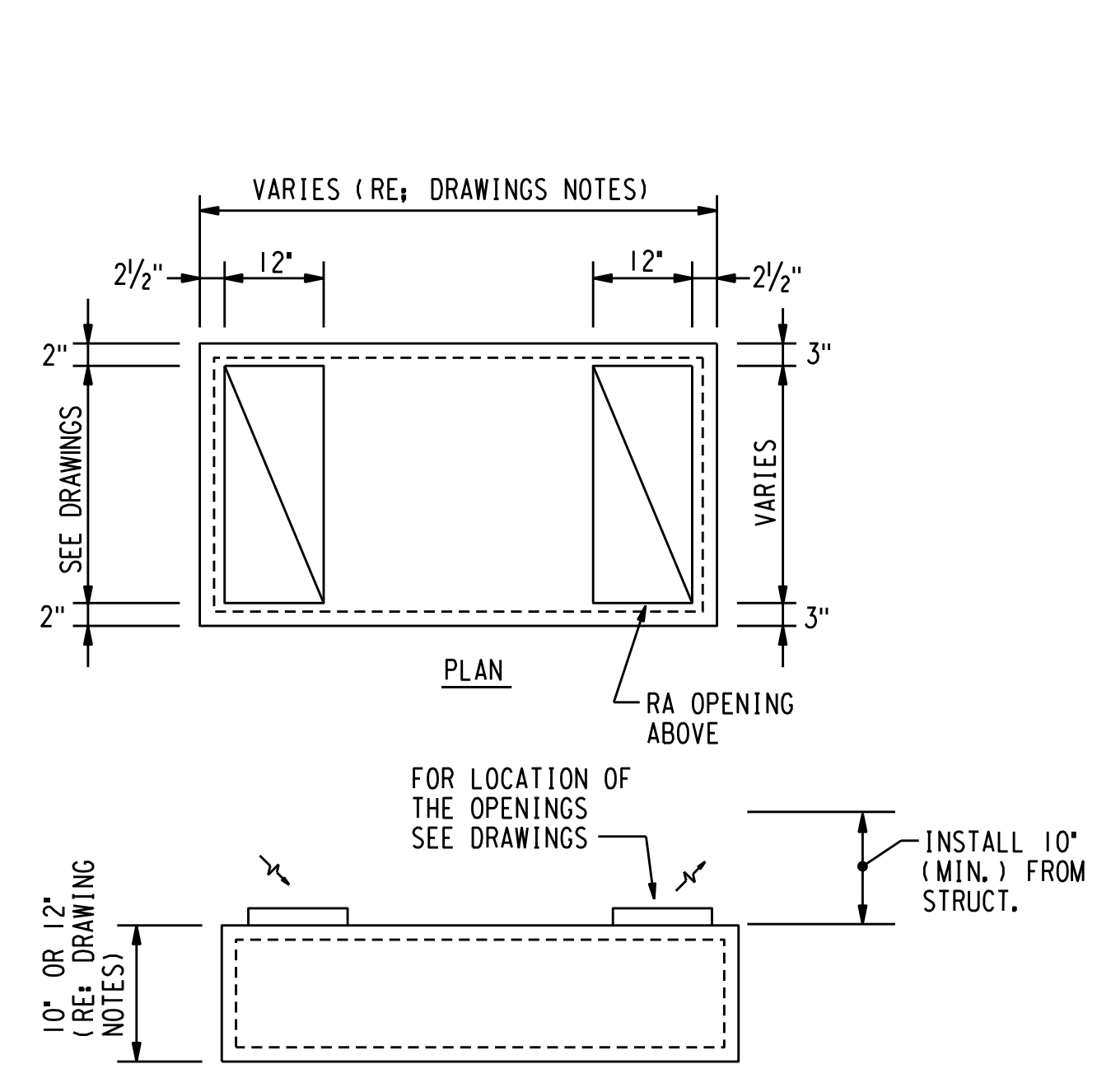
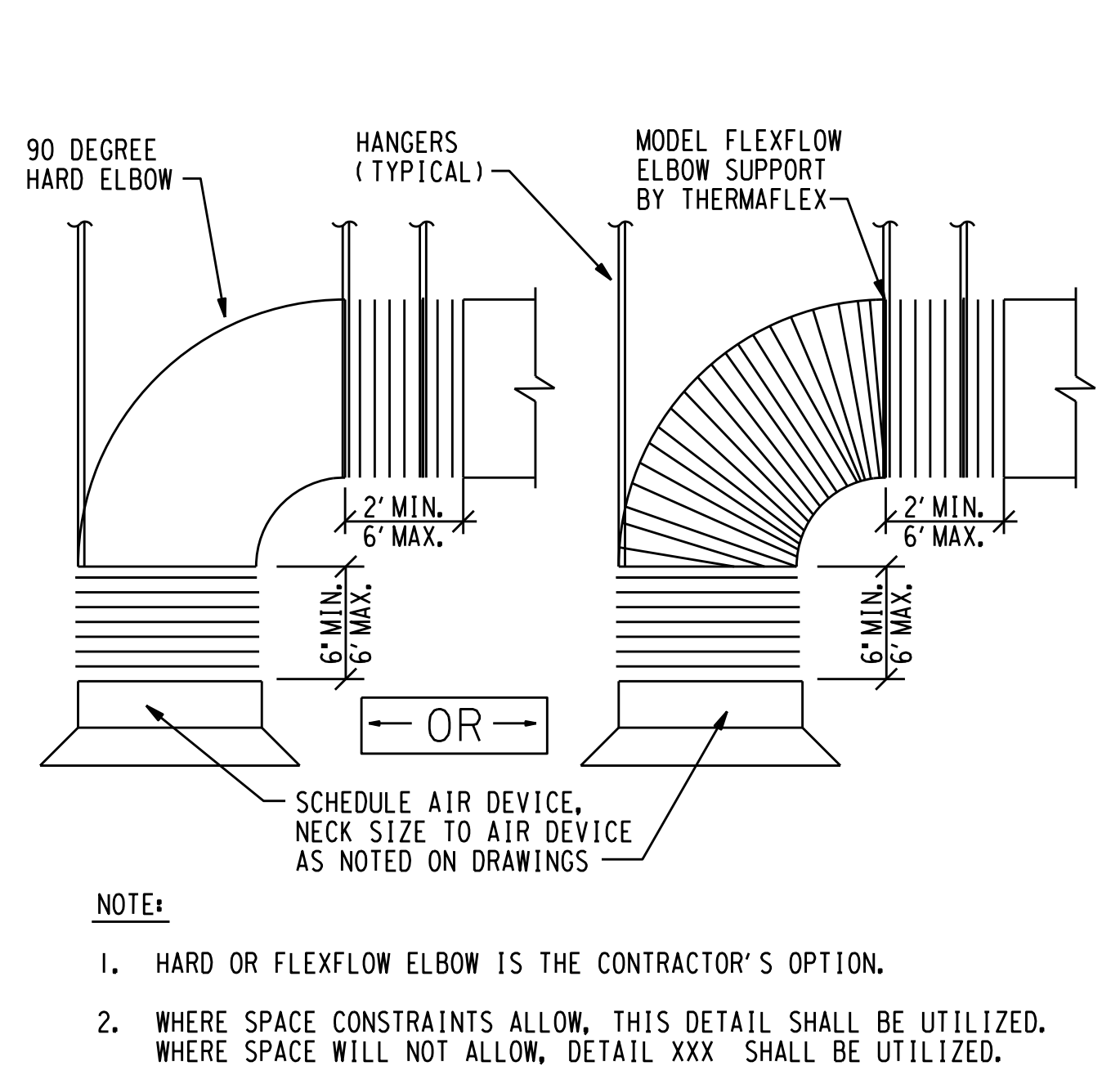
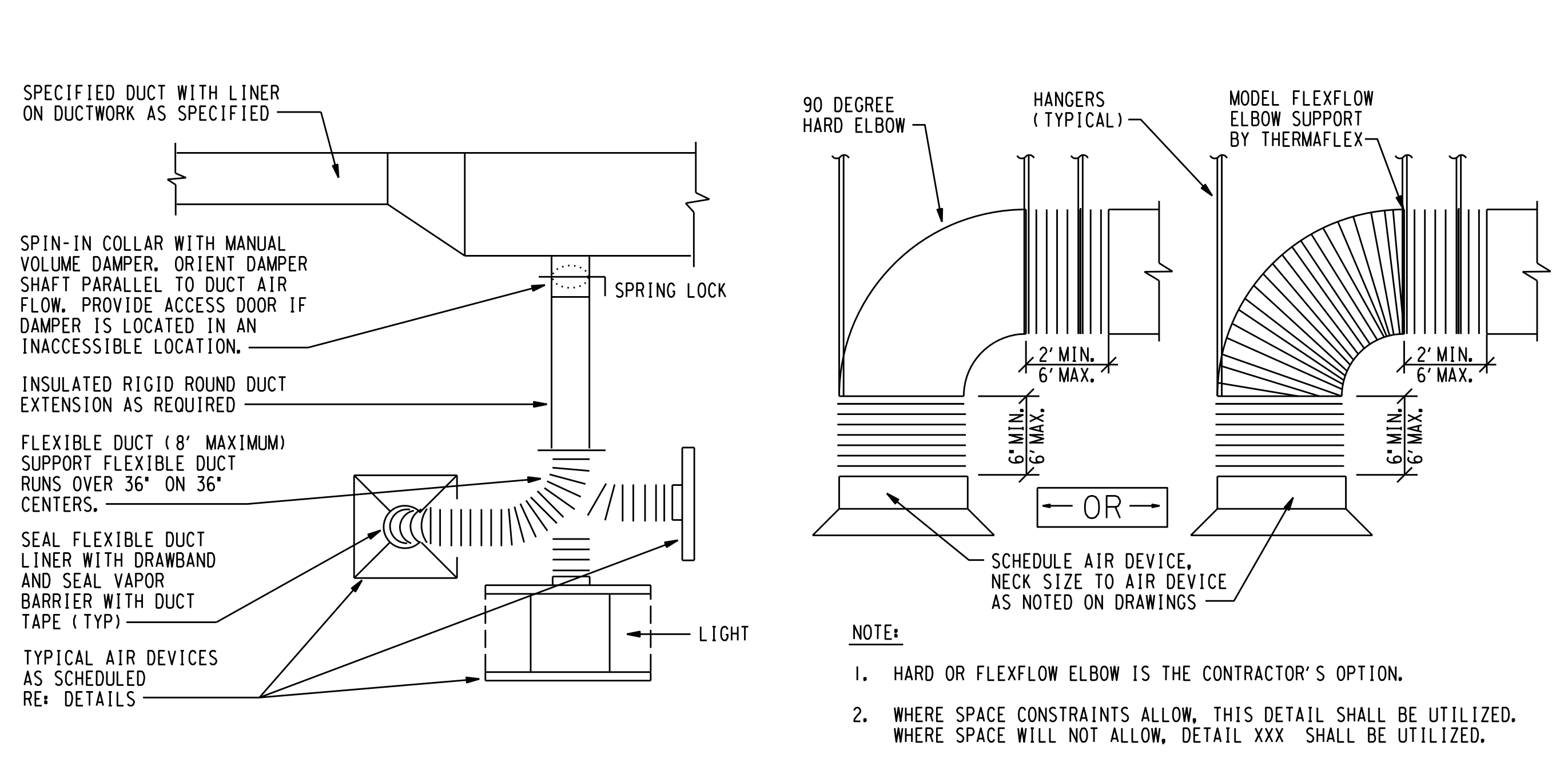
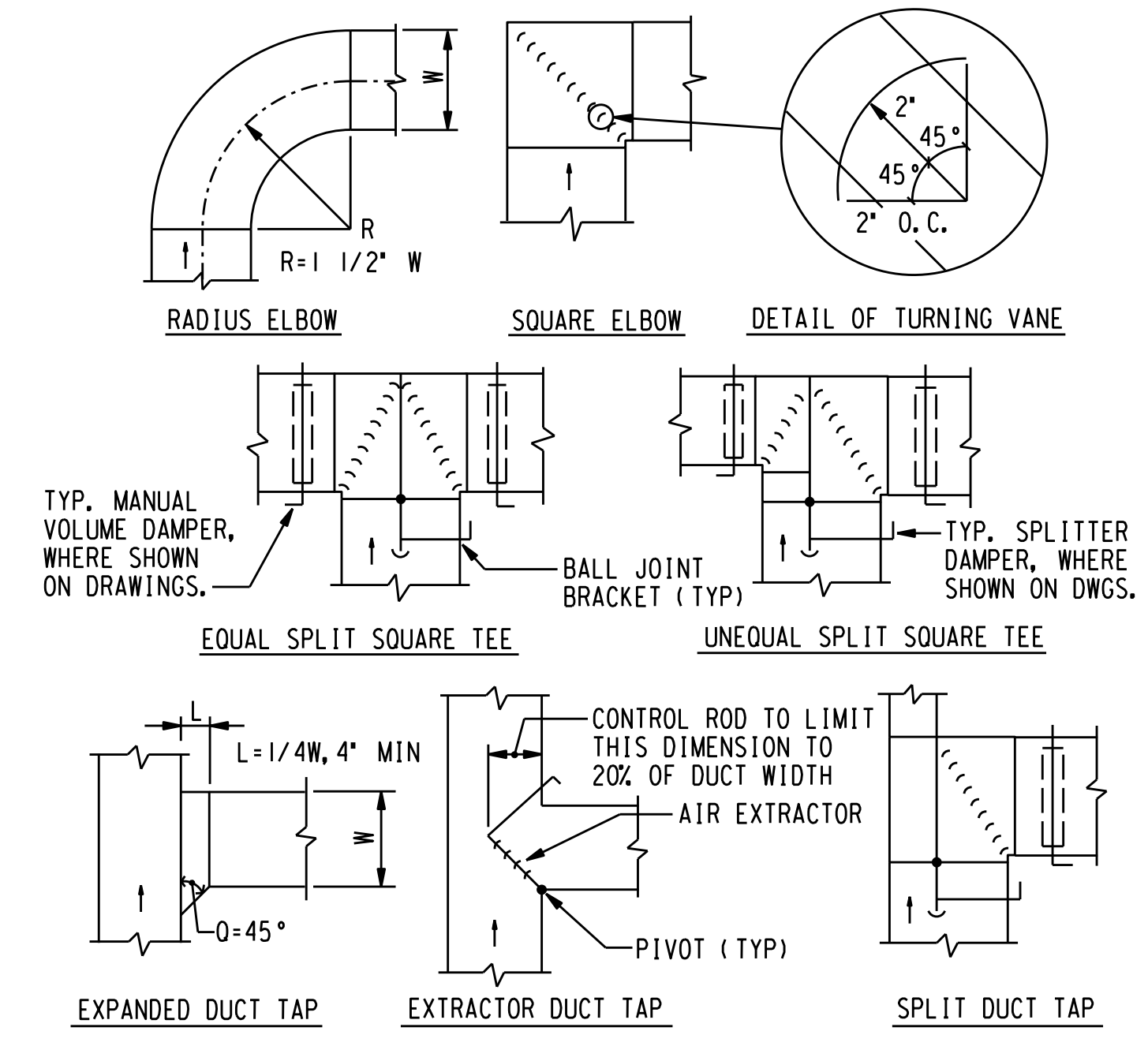
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**UT Health MSB
1st Floor Infill
LRC 3 & 4**



Mechanical/Electrical/
Plumbing Schedules
And Details

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Plan Designation	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's	15" Rnd	Re: Dwg's
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 (L/R)	BALLAST/DRIVER TYPE	VOLTAGE	FIXTURE WATTS	MOUNTING	DESCRIPTION
A (e)	CREE	ZR24-40L-40K-CMA	4000 Lx 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 (1)
T1	LITECONTROL		(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 AND BLACK HOUSING, RED LETTERS, ARROWS AS INDICATED.

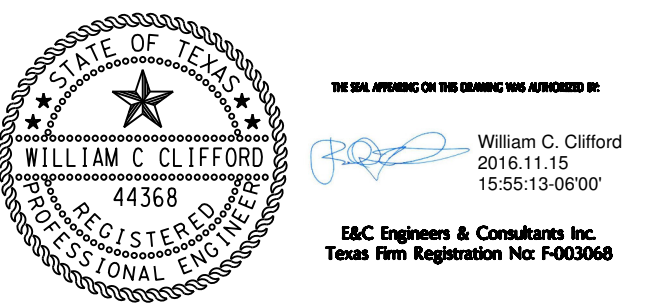
NOTE (a) - ALL FLUORESCENT LAMPS SHALL BE PHILLIPS ALTO LOW MERCURY.
NOTE (b) - FLUORESCENT LAMP AND LED COLOR TEMPERATURE TO MATCH EXISTING LAMPS IN THE PROJECT AREA. CONFIRM COLOR COMPATIBILITY PRIOR TO SUBMITTING FIXTURES.
NOTE (c) - FLUORESCENT LAMP AND LED COLOR TEMPERATURE TO MATCH EXISTING LAMPS IN THE PROJECT AREA. CONFIRM COLOR COMPATIBILITY PRIOR TO SUBMITTING FIXTURES.
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.
NOTE (f) - PROVIDE (1) CCT-CWC-1 OR EQUAL CONFIGURATION TOOL.

Plan Designation	DDB-01-05 (5)	DDB-01-06 (5)	DDB-01-07 (5)	DDB-01-08 (5)	DDB-01-09 (5)	DDB-01-10 (5)	DDB-01-17 (5)	DDB-01-18 (5)	DDB-01-19 (5)	DDB-01-20 (5)	DDB-01-21 (5)	DDB-01-22 (5)	DDB-01-23 (5)
Manufacturer	Nailor	Nailor	Nailor	Nailor	Nailor	Nailor	Nailor	Nailor	Nailor	Nailor	Nailor	Nailor	Nailor
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)
Size	4	6	6	6	6	6	6	6	6	6	6	6	6
Terminal Unit Maximum Airflow	100 cfm	375 cfm	390 cfm	845 cfm	410 cfm	790 cfm	340 cfm	250 cfm	425 cfm	250 cfm	730 cfm	250 cfm	250 cfm
Terminal Unit Minimum Airflow	50 cfm	188 cfm	175 cfm	423 cfm	205 cfm	395 cfm	170 cfm	125 cfm	213 cfm	125 cfm	365 cfm	125 cfm	125 cfm
Design Cooling Airflow	100 cfm	375 cfm	390 cfm	845 cfm	410 cfm	790 cfm	340 cfm	250 cfm	425 cfm	250 cfm	730 cfm	250 cfm	250 cfm
Minimum Cooling Airflow	0 cfm	0 cfm	0 cfm	0 cfm	0 cfm	0 cfm	0 cfm	0 cfm	0 cfm	0 cfm	0 cfm	0 cfm	0 cfm
Cooling Inlet Size	6"	6"	6"	10"	6"	10"	6"	6"	8"	6"	10"	6"	6"
Cooling Flex Duct Size	4"	6"	6"	10"	6"	10"	6"	6"	8"	6"	10"	6"	6"
Minimum Heating Airflow	100 cfm	375 cfm	390 cfm	845 cfm	410 cfm	790 cfm	340 cfm	250 cfm	425 cfm	250 cfm	730 cfm	250 cfm	250 cfm
Heating Inlet Size	6"	6"	6"	10"	6"	10"	6"	6"	8"	6"	10"	6"	6"
Heating Flex Duct Size	4"	6"	6"	10"	6"	10"	6"	6"	8"	6"	10"	6"	6"
Outlet Size	8/8"	8/8"	8/8"	10/10"	8/8"	8/8"	8/8"	8/8"	8/8"	8/8"	8/8"	8/8"	8/8"
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
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
Max. Room Noise Criteria (NC)	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)
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

(1) - Coordinate Metasys Terminal Unit Designation with UTHSC-H Project Number.
(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.
(4) - Provide new DDC controls and actuators for reused existing terminal unit, Re: Specifications.
(5) - As-built record drawings and field identification tags for all HVAC terminal units shall clearly note the actual BAS system name for the terminal unit using the UT naming convention with VAV/Floor Number_AHU Serving Terminal Unit_Sequential Number (example: v01_01_01).

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No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

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



**Mechanical
Demolition Plan
First Floor**

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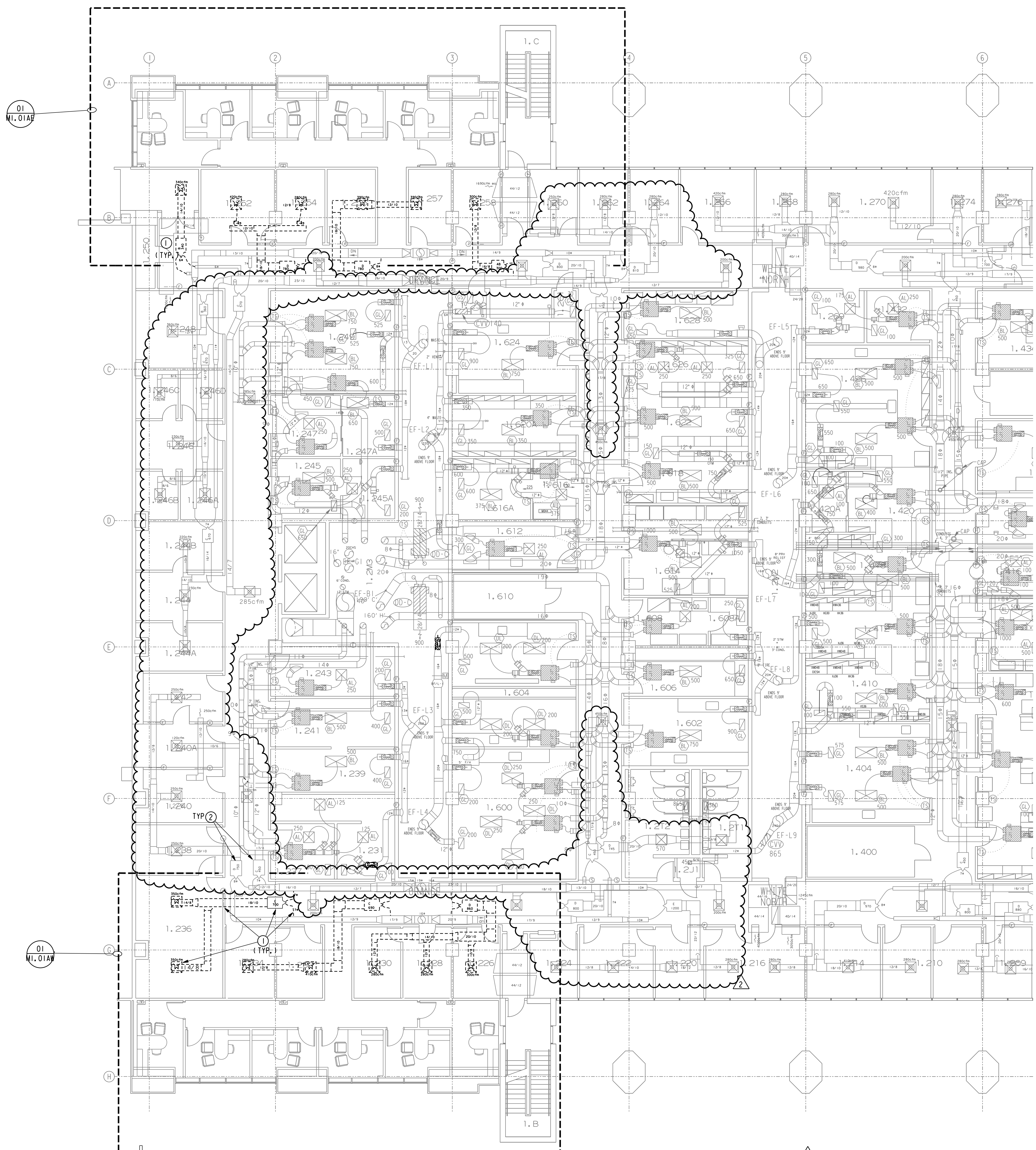
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Sheet Number: DM1.01A

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.
- D. WHERE EXISTING PNEUMATIC TERMINAL UNITS ARE REMOVED, REMOVE ALL EXISTING TERMINAL UNIT PNEUMATIC TUBING BACK TO THE MAIN SUPPLY TRUNK LINE AND CAP TAP AT MAIN.

DRAWING NOTES:

- 1 REMOVE EXISTING DASHED HOT AND COLD DUCT CONNECTIONS, DOUBLE DUCT TERMINAL UNIT, SUPPLY DUCT, AIR DEVICES AND ASSOCIATED PNEUMATIC TUBING AND THERMOSTATS. EXISTING HOT AND COLD TRUNK DUCT TAPS SHALL BE REUSED TO SERVE NEW REPLACEMENT DOUBLE DUCT TERMINAL UNITS. RE: 01/ML.01A, NOTE 1.
- 2 EXISTING DDC DOUBLE DUCT TERMINAL UNIT TO REMAIN AND BE REUSED. RE: 01/ML.01A FOR REBALANCING OF EXISTING TERMINAL UNITS.



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

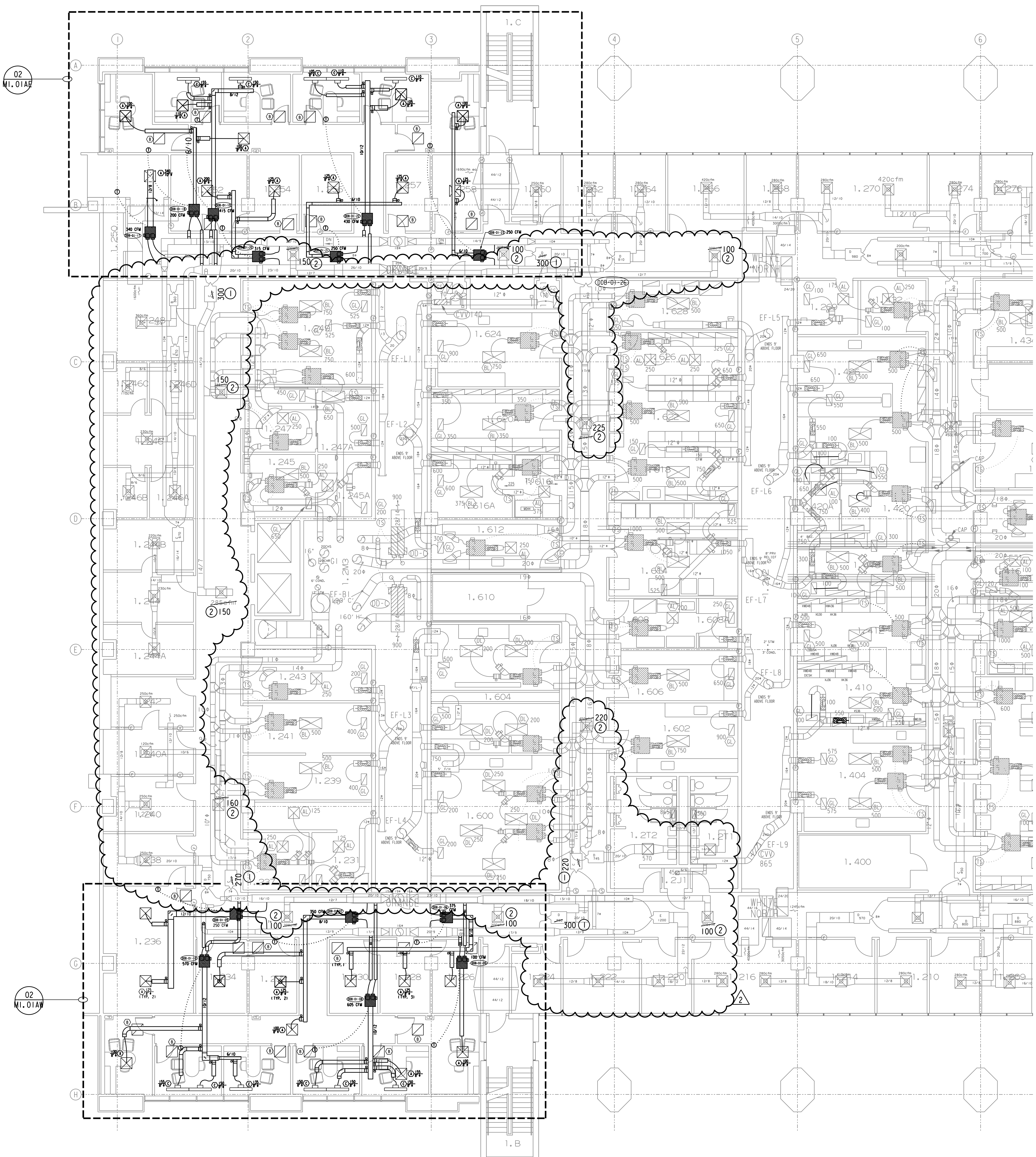
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GENERAL NOTES:
 A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
 B. AS-BUILT RECORD DRAWINGS AND FIELD IDENTIFICATION TAGS FOR ALL HVAC TERMINAL UNITS SHALL CLEARLY NOTE THE ACTUAL BAS SYSTEM NAME FOR THE TERMINAL UNIT USING THE UT NAMING CONVENTION WITH VAVFLOOR NUMBER AHU SERVING TERMINAL UNIT SEQUENTIAL NUMBER (EXAMPLE VAV01 01 01).

DRAWING NOTES:
 ① REBALANCE EXISTING DOUBLE DUCT TERMINAL UNIT TO NEW AIRFLOW INDICATED.
 ② REBALANCE EXISTING SUPPLY AIR GRILL TO NEW AIRFLOW INDICATED.



No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

UT Health MSB 1st Floor Infill LRC 3 & 4



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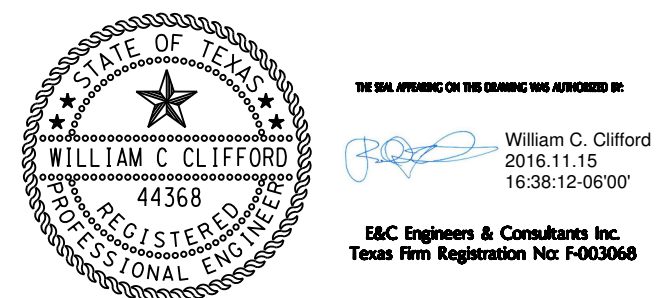
01 FIRST FLOOR - MECHANICAL ALTERATION PLAN
 SCALE: 1/8" = 1' - 0"

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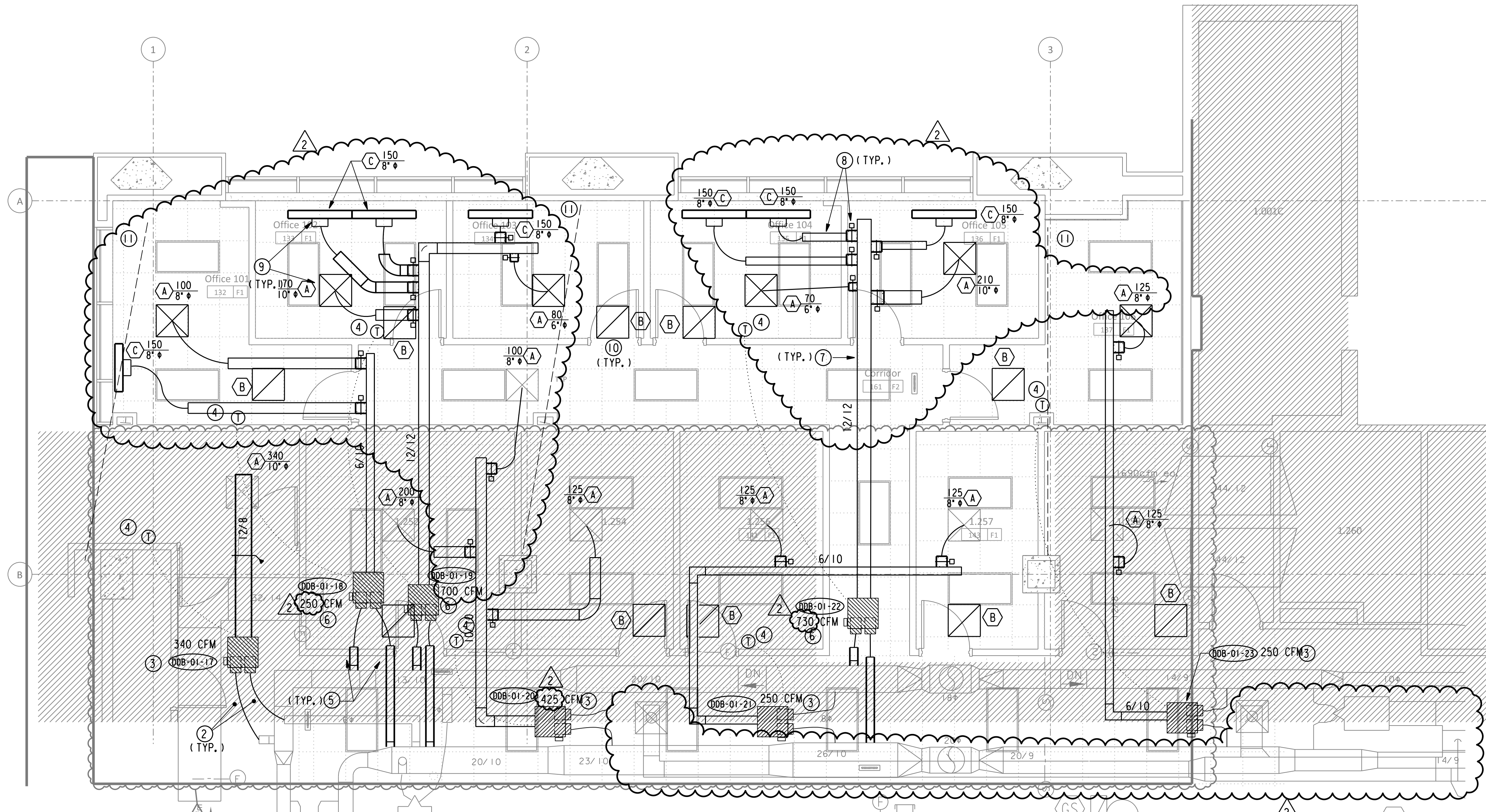
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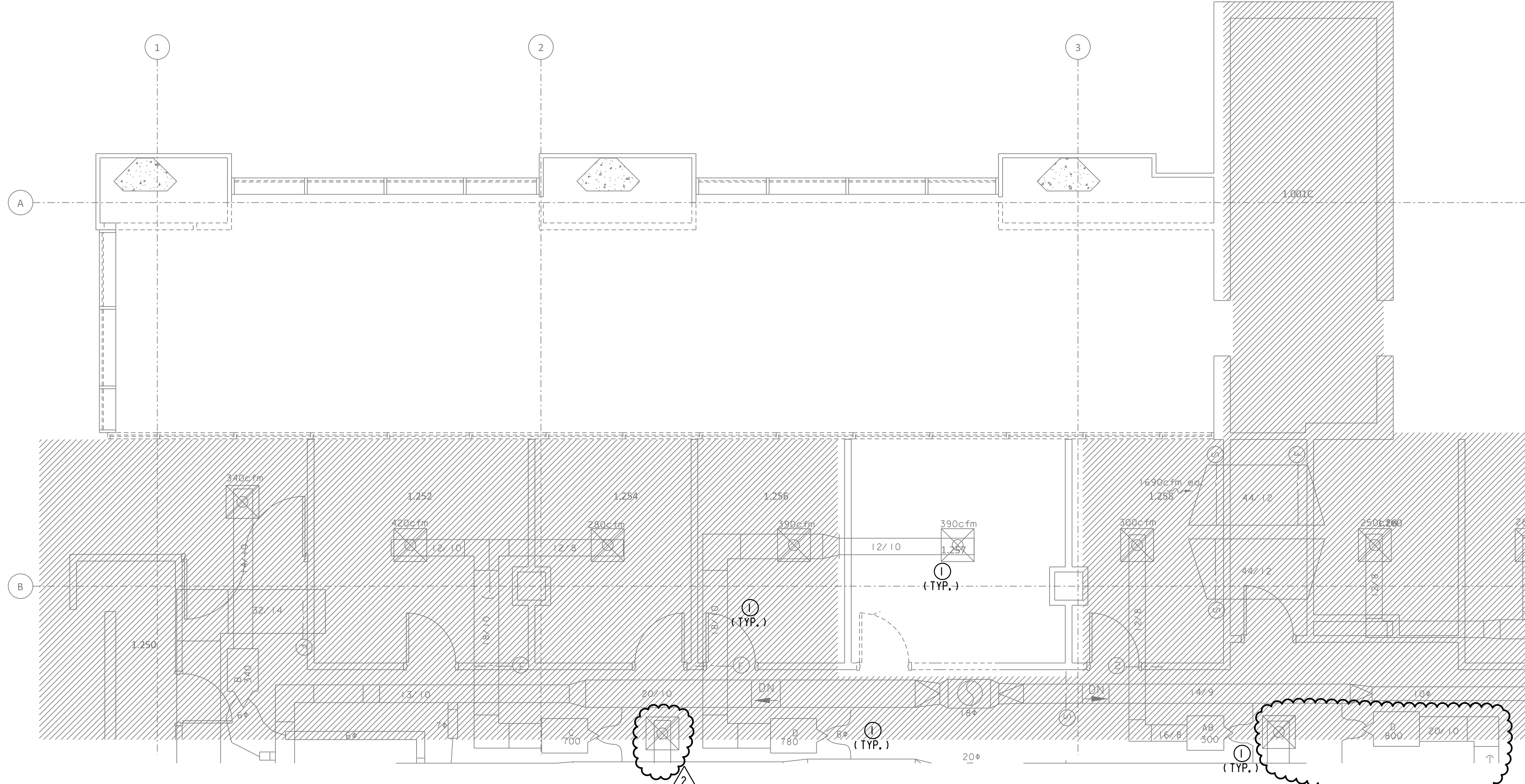


Issue / Revision

No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3



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



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

GENERAL NOTES:

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

B. AS-BUILT RECORD DRAWINGS AND FIELD IDENTIFICATION TAGS FOR ALL HVAC TERMINAL UNITS SHALL CLEARLY NOTE THE ACTUAL BAS SYSTEM NAME FOR THE TERMINAL UNIT USING THE UT NAMING CONVENTION WITH VAV/floor Number AHU Serving Terminal Unit Sequential Number (example VAV01 01 01).

- 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 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.
 - ⑥ NEW DDC DOUBLE DUCT TERMINAL UNIT, BALANCE TO CFM INDICATED.
 - ⑦ NEW EXTERNALLY INSULATED SHEET METAL SUPPLY DUCTWORK.
 - ⑧ NEW DAMPERED SPIN-IN AND EXTERNALLY INSULATED RIGID ROUND SHEET METAL SUPPLY DUCT AND INSULATED ACOUSTICAL FLEXIBLE DUCT TO NEW SUPPLY GRILL.
 - 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, RE: STRUCTURAL.

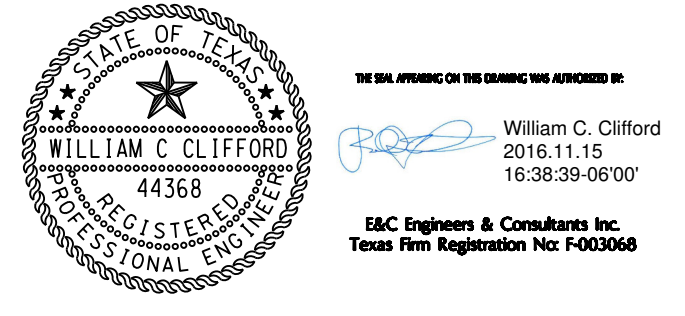
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1st Floor Infill
LRC 3 & 4**



**Mechanical
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First Floor East**

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- GENERAL NOTES:**
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- DRAWING NOTES:**
- 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.01AW, NOTE 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.
 - NEW REPLACEMENT DDC DOUBLE DUCT TERMINAL UNIT, BALANCE TO AIRFLOW INDICATED.
 - NEW DDC SPACE TEMPERATURE SENSOR WITH CONTROL WIRING TO TERMINAL UNIT INDICATED.
 - 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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 - NEW RETURN AIR GRILL, TYPE AS INDICATED.
 - NEW DEEP STRUCTURAL BEAM, RE: STRUCTURAL.

Issues / Revisions

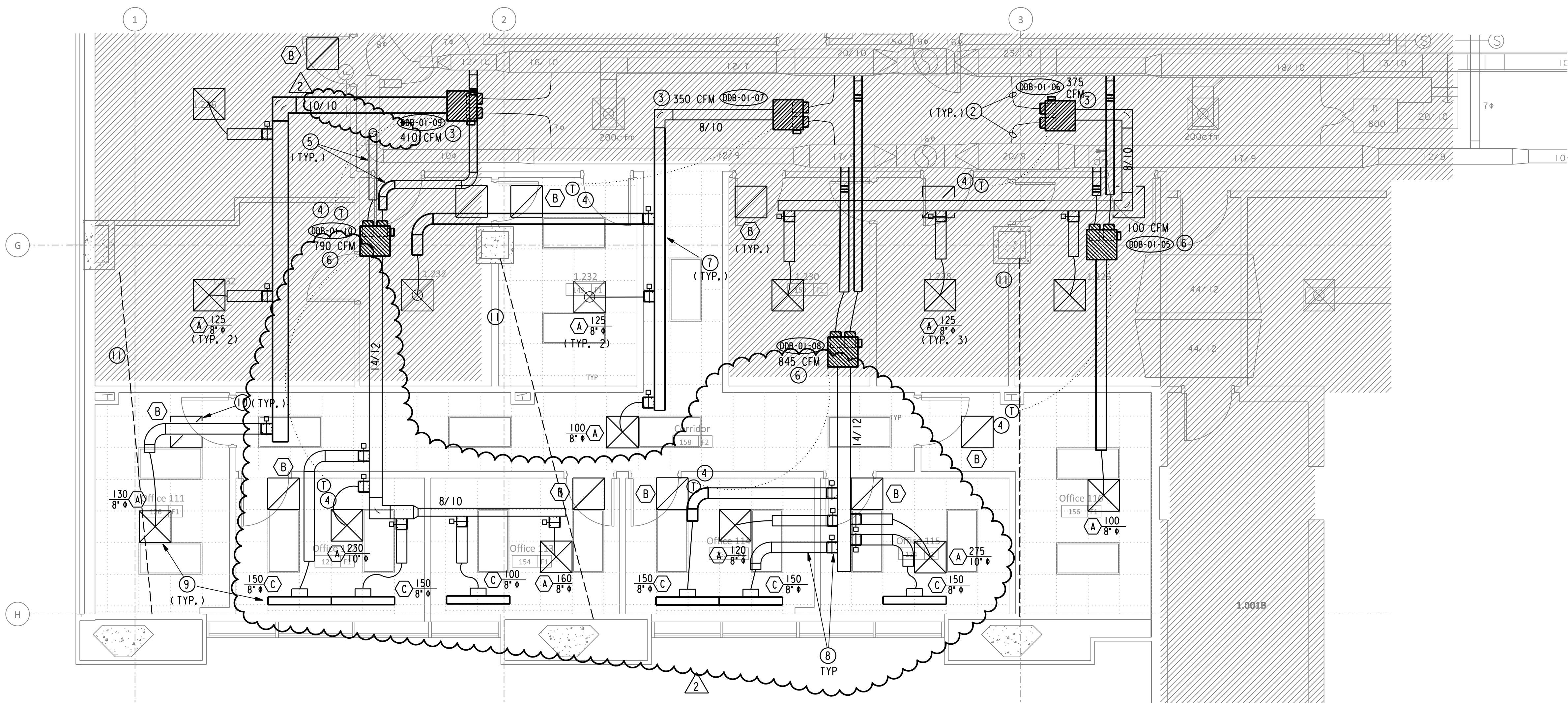
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2	11/14/2016	Addendum 3

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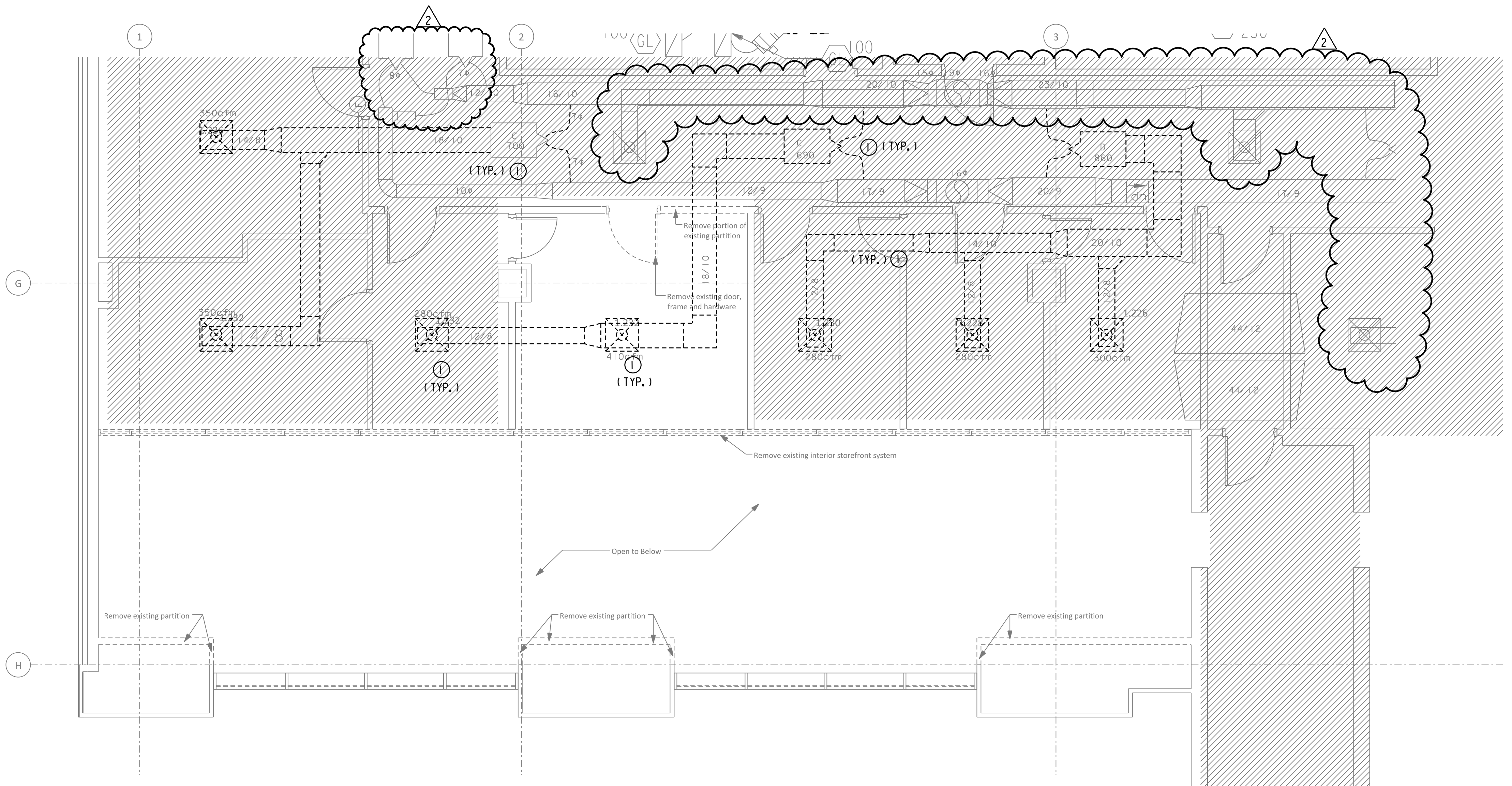


**Mechanical
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02 FIRST FLOOR WEST - MECHANICAL ALTERATION PLAN
SCALE: 1/4" = 1' - 0"

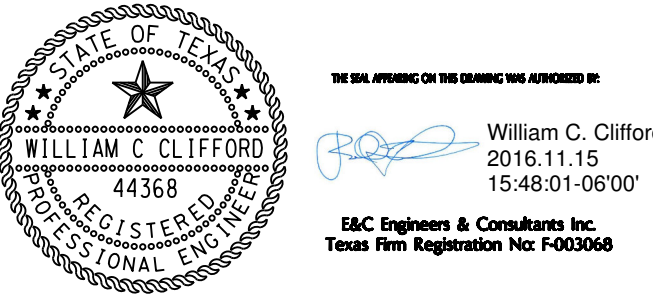


01 FIRST FLOOR WEST - MECHANICAL DEMOLITION PLAN
SCALE: 1/4" = 1' - 0"

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Project

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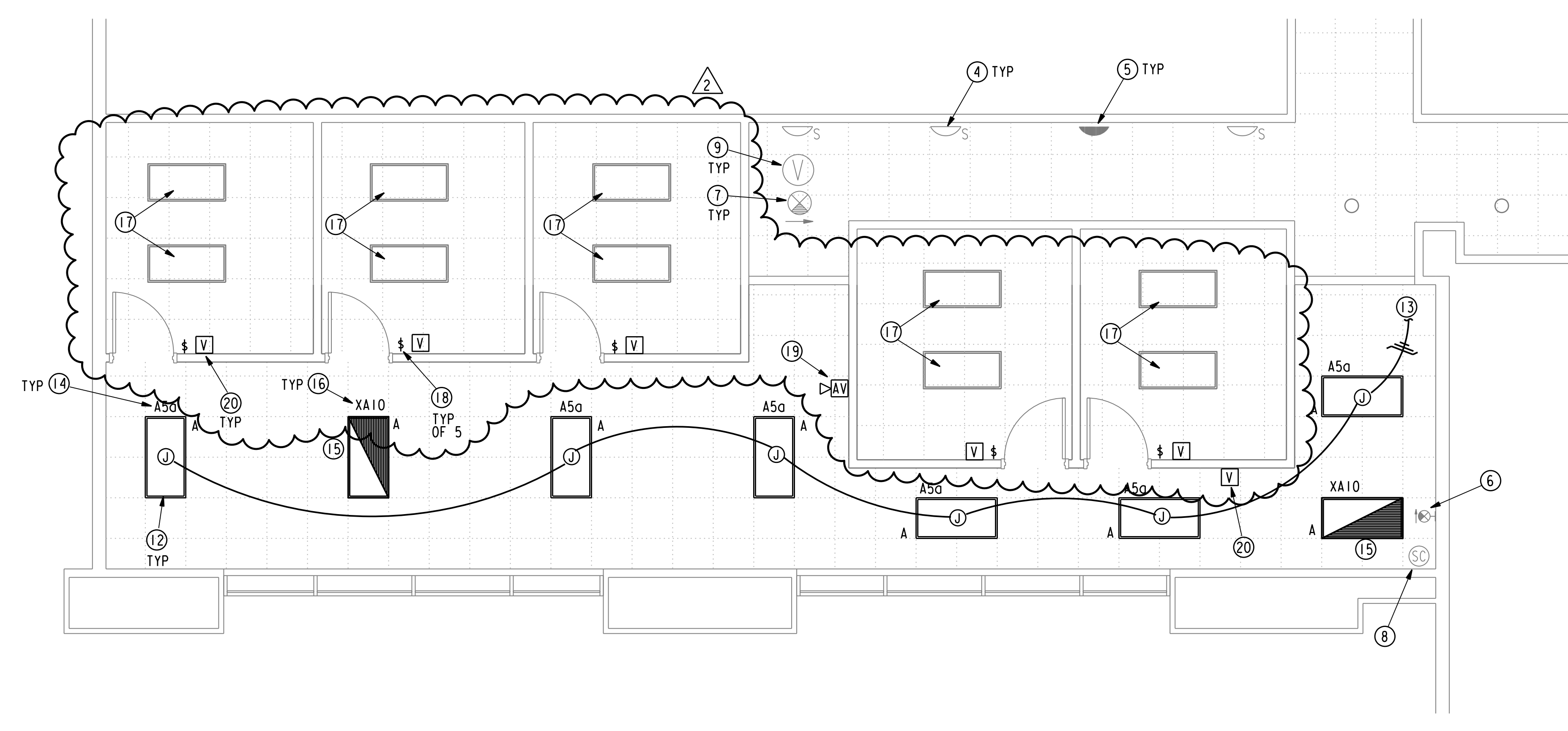


Electrical Lighting Demolition and Alteration Plans Ground Floor West

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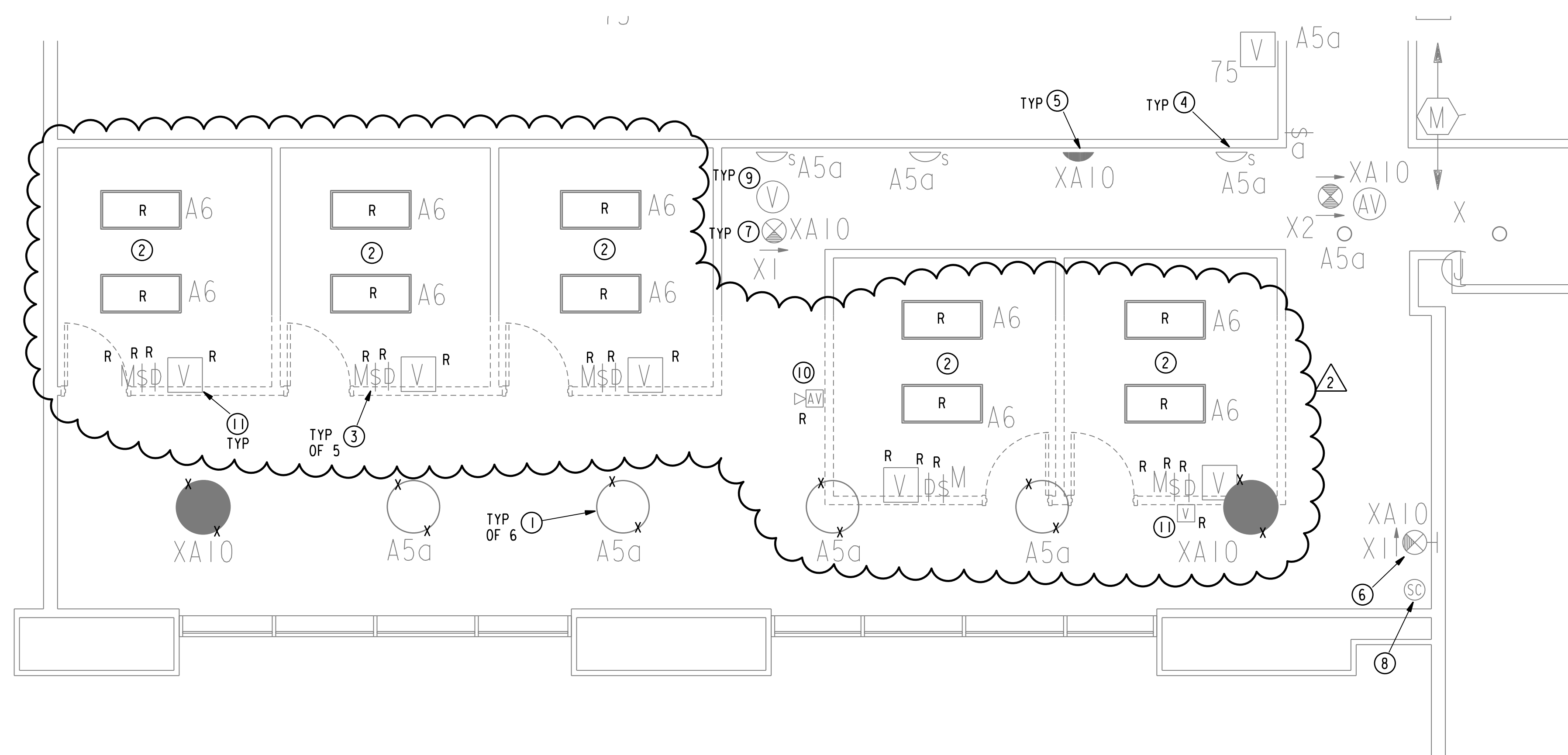
GENERAL NOTES:
A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
B. MODIFICATIONS AND ADDITIONS TO THE EXISTING BUILDING FIRE ALARM SYSTEM SHALL BE DESIGNED, PREPARED AND SIGNED BY A STATE OF TEXAS LICENSED FIRE ALARM PLANNING SUPERINTENDENT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND APPLICABLE CODES 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/EL1.0GAW, 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. EXISTING BRANCH CIRCUIT SERVING STUDY ROOM LIGHTING TO BE REUSED TO SERVE NEW STUDY ROOM LIGHTING RE: 02/EL1.0GAW.
 - 3 REMOVE EXISTING OCCUPANCY SENSING SWITCH AND DIMMER CONTROLLING EXISTING STUDY ROOM LIGHTING AND ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT IN ROOM WALL AND CEILING SPACE.
 - 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 REMOVE EXISTING WALL MOUNTED FIRE ALARM SPEAKER/STROBE AND 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 FOR REINSTALLATION.
 - 11 REMOVE EXISTING WALL MOUNTED FIRE ALARM STROBE AND 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 FOR REINSTALLATION.
 - 12 NEW LED LIGHT FIXTURE, TYPE AS INDICATED.
 - 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 GHA CIRCUIT 5 VIA EXISTING LIGHTING CONTROL RELAY *0* AND EXISTING *0* OVERRIDE SWITCHES.
 - 15 CIRCUIT NEW LIGHT FIXTURE UNSWITCHED TO REUSED EXISTING EMERGENCY LIGHTING BRANCH CIRCUIT.
 - 16 INDICATES REUSED EXISTING EMERGENCY BRANCH CIRCUIT TO PANEL GHA CIRCUIT 10.
 - 17 NEW LED STUDY ROOM LIGHT FIXTURE, TYPE AS INDICATED. CIRCUIT TO EXISTING BRANCH CIRCUIT WHICH SERVED EXISTING STUDY ROOM LIGHTING.
 - 18 NEW CREE NO. CFP-1-WH OR APPROVED EQUAL WALL SWITCH WITH WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.
 - 19 REINSTALLED EXISTING/NEW FIRE ALARM SPEAKER/STROBE WITH NEW FIRE ALARM WIRING AND CONDUIT AS REQUIRED TO SUIT CURRENT CODES. RE: GENERAL NOTE B FOR ADDITIONAL INFORMATION.
 - 20 REINSTALLED EXISTING/NEW FIRE ALARM STROBE WITH NEW FIRE ALARM WIRING AND CONDUIT AS REQUIRED TO SUIT CURRENT CODES. RE: GENERAL NOTE B FOR ADDITIONAL INFORMATION.



02 GROUND FLOOR WEST - ELECTRICAL LIGHTING ALTERATION PLAN

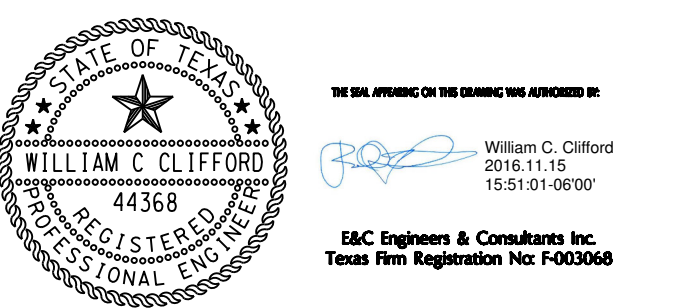
SCALE: 1/4" = 1'-0"



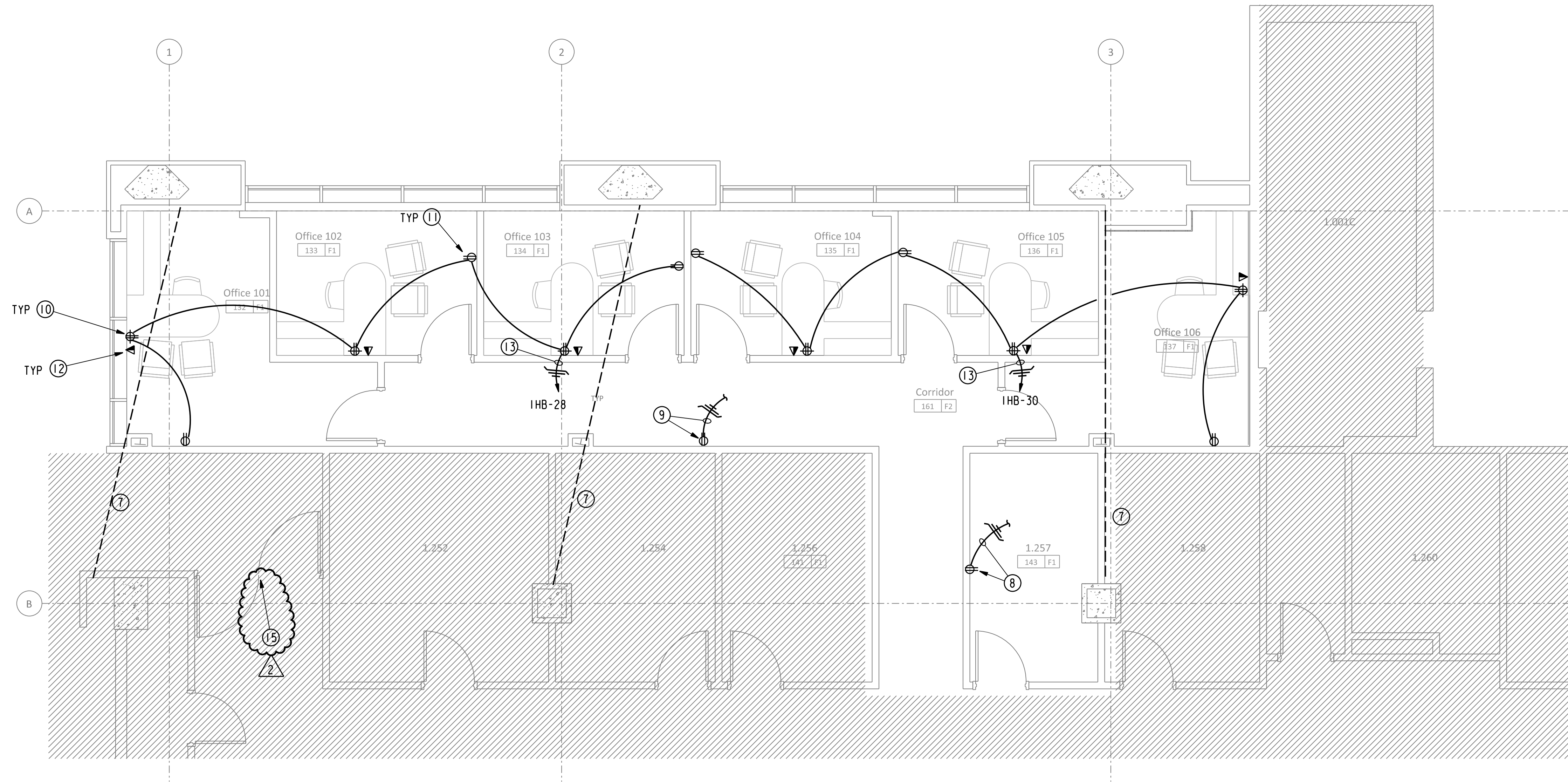
01 GROUND FLOOR WEST - ELECTRICAL LIGHTING DEMOLITION PLAN

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

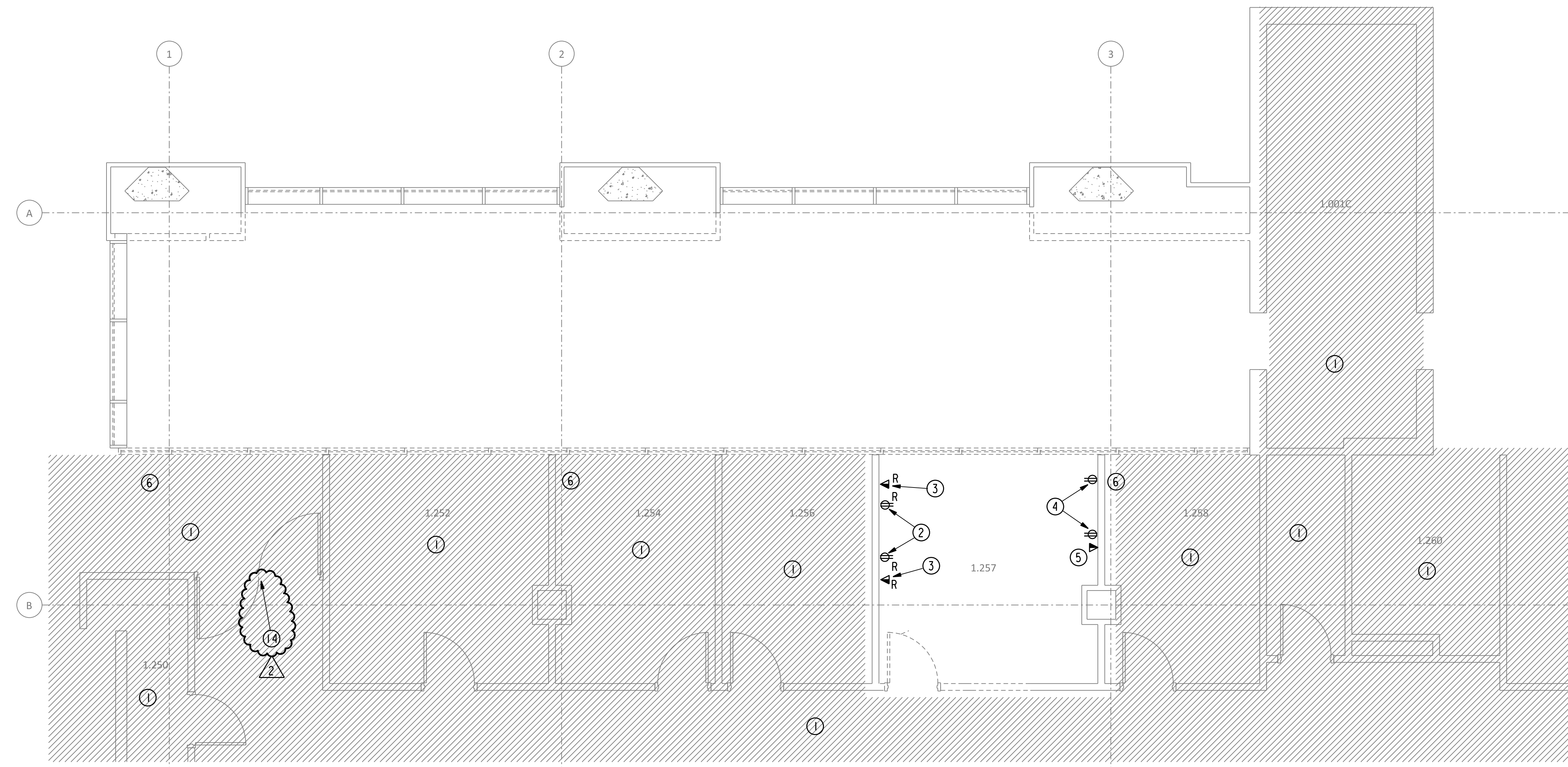
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- GENERAL NOTES:**
- A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
- DRAWING NOTES:**
- 1 EXISTING ELECTRICAL TO REMAIN AND BE REUSED.
 - 2 REMOVE EXISTING OFFICE RECEPTACLE AND ASSOCIATED BRANCH CIRCUIT WIRING. RECONNECT BRANCH CIRCUIT AS REQUIRED TO MAINTAIN CONTINUITY.
 - 3 REMOVE EXISTING VOICE/DATA OUTLET. COORDINATE SEPARATE VOICE/DATA CABLING WORK WITH UT HEALTH PROJECT MANAGER.
 - 4 EXISTING OFFICE RECEPTACLE AND ASSOCIATED BRANCH CIRCUIT WIRING TO REMAIN AND BE REUSED.
 - 5 EXISTING OFFICE VOICE/DATA OUTLET TO REMAIN. COORDINATE SEPARATE VOICE/DATA CABLING WORK WITH UT HEALTH PROJECT MANAGER.
 - 6 RELOCATE EXISTING ABOVE CEILING ELECTRICAL WORK AS REQUIRED TO ALLOW NEW STRUCTURAL BEAM TO BE INSTALLED.
 - 7 NEW OVERHEAD STRUCTURAL BEAM(S), RE: STRUCTURAL DRAWINGS.
 - 8 NEW OFFICE RECEPTACLE CIRCUITED TO EXISTING BRANCH CIRCUIT WHICH SERVES THIS OFFICE.
 - 9 NEW CORRIDOR RECEPTACLE CIRCUITED TO EXISTING BRANCH CIRCUIT WHICH SERVES ADJACENT CORRIDOR RECEPTABLES.
 - 10 NEW NEMA 5-15R FOURPLEX RECEPTACLE AT 18" AFF.
 - 11 NEW NEMA 5-15R DUPLEX RECEPTACLE AT 18" AFF.
 - 12 NEW VOICE/DATA OUTLET ROUGH-IN AT 18" AFF. PROVIDE A SINGLE GANG DRY-WALL RING WITH TWO PULLCORDS VIA A GROMMET IN THE PARTITION TOP PLATE TO AN ACCESSIBLE CEILING SPACE. COORDINATE SEPARATE VOICE/DATA CABLING WORK WITH UT HEALTH PROJECT MANAGER.
 - 13 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: OI/EP-01A FOR APPROXIMATE PANEL LOCATION.
 - 14 DISCONNECT AND REMOVE EXISTING ACCESS CONTROLS AND ELECTRICAL ASSOCIATED WITH DOUBLE EGRESS DOOR AND PARTITIONS WHICH ARE BEING TEMPORARILY REMOVED FOR CONSTRUCTION ACCESS AND STORE FOR REINSTALLATION.
 - 15 REINSTALL EXISTING ACCESS CONTROLS AND ELECTRICAL ASSOCIATED WITH DOUBLE EGRESS DOOR AND PARTITIONS TO MATCH THE ORIGINAL INSTALLATION.



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



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

Issues / Revisions

No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

Project _____

UT Health MSB
1st Floor Infill
LRC 3 & 4



Electrical Power
Demolition and
Alteration Plans
First Floor East

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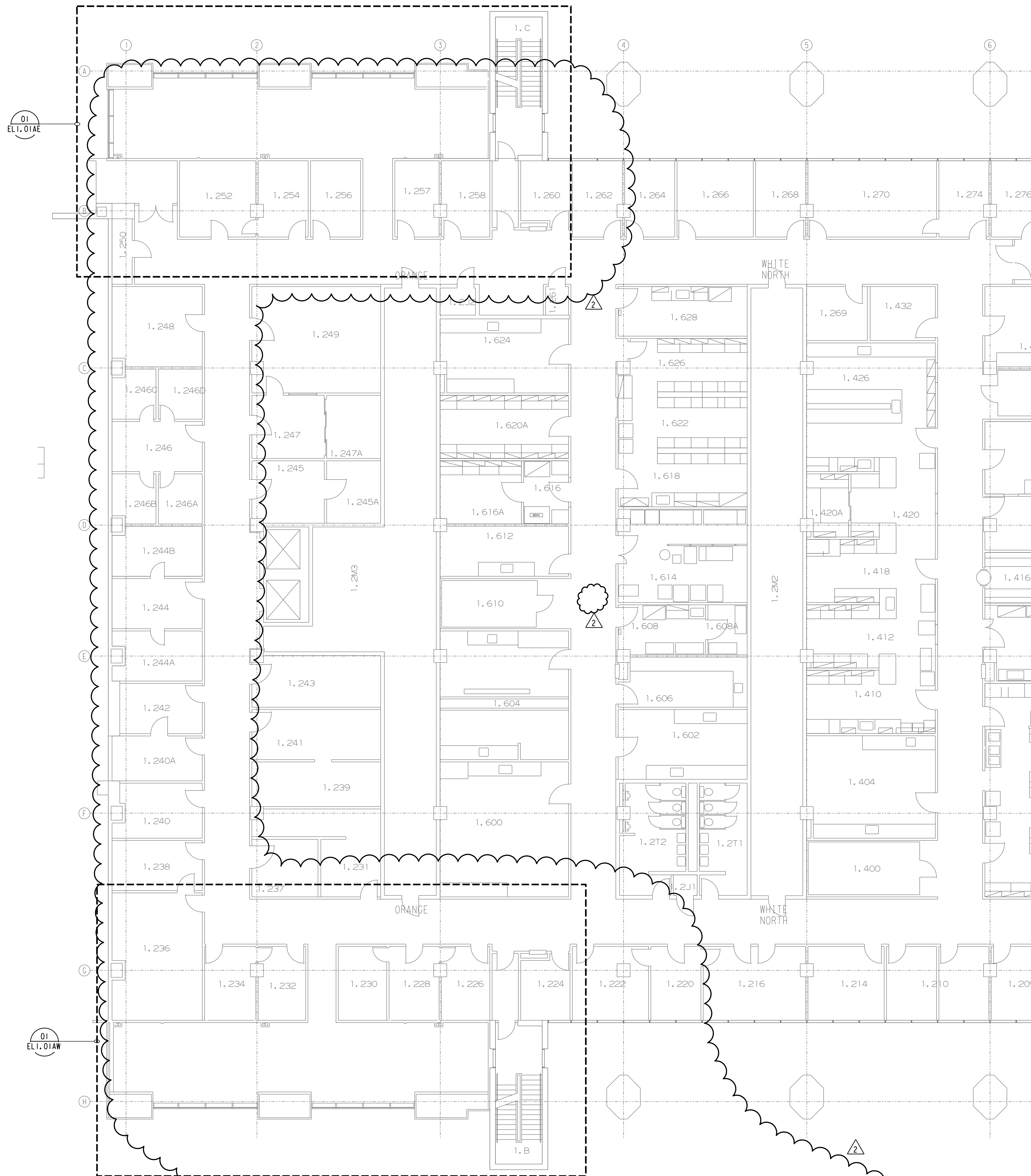
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GENERAL NOTES:

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

DRAWING NOTES:



01
EL1.01AE

01
EL1.01AW

01 FIRST FLOOR NORTH - ELECTRICAL LIGHTING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

ISSUES / REVISIONS

No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

UT Health MSB 1st Floor Infill LRC 3 & 4



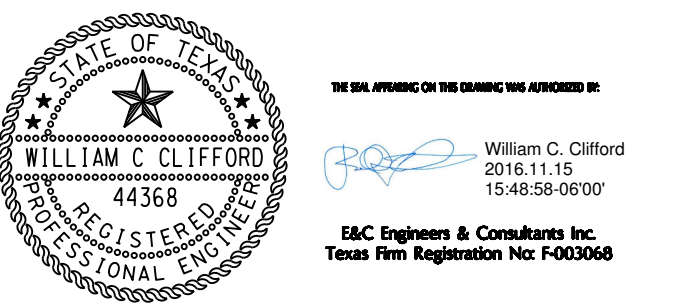
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REVISIONS

No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

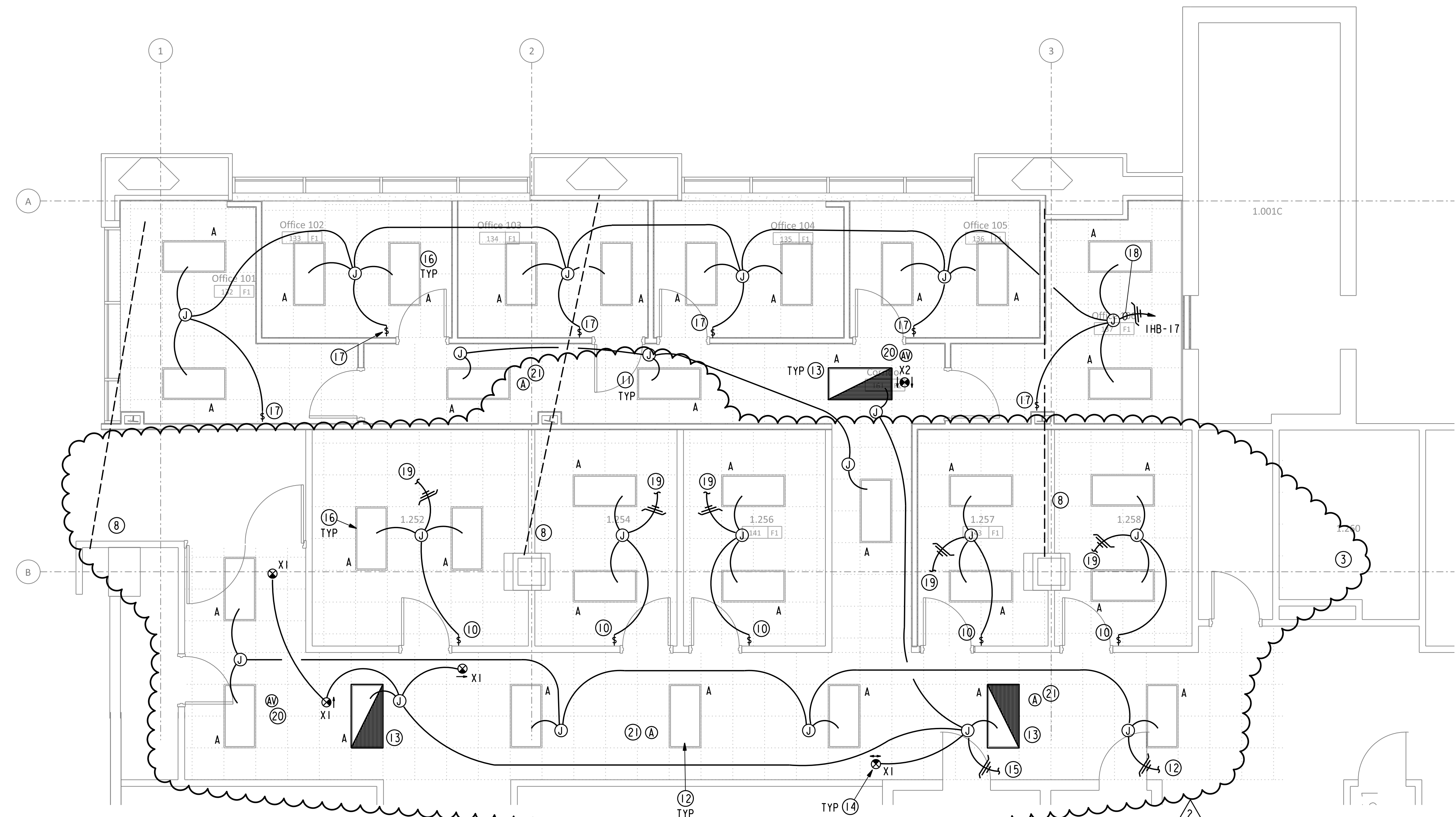
UT Health MSB 1st Floor Infill LRC 3 & 4



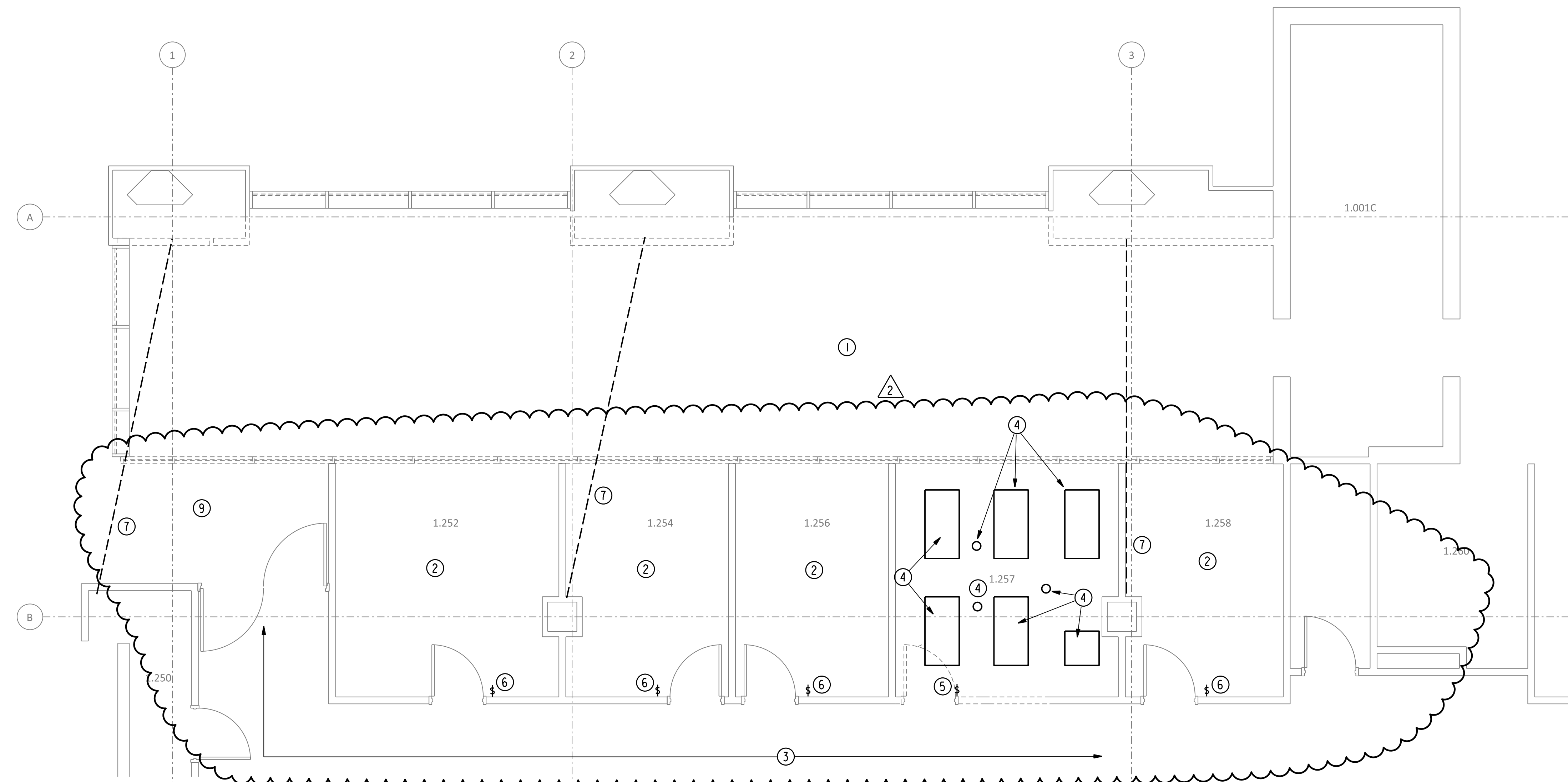
Electrical Lighting Demolition and Alteration Plans First Floor East

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



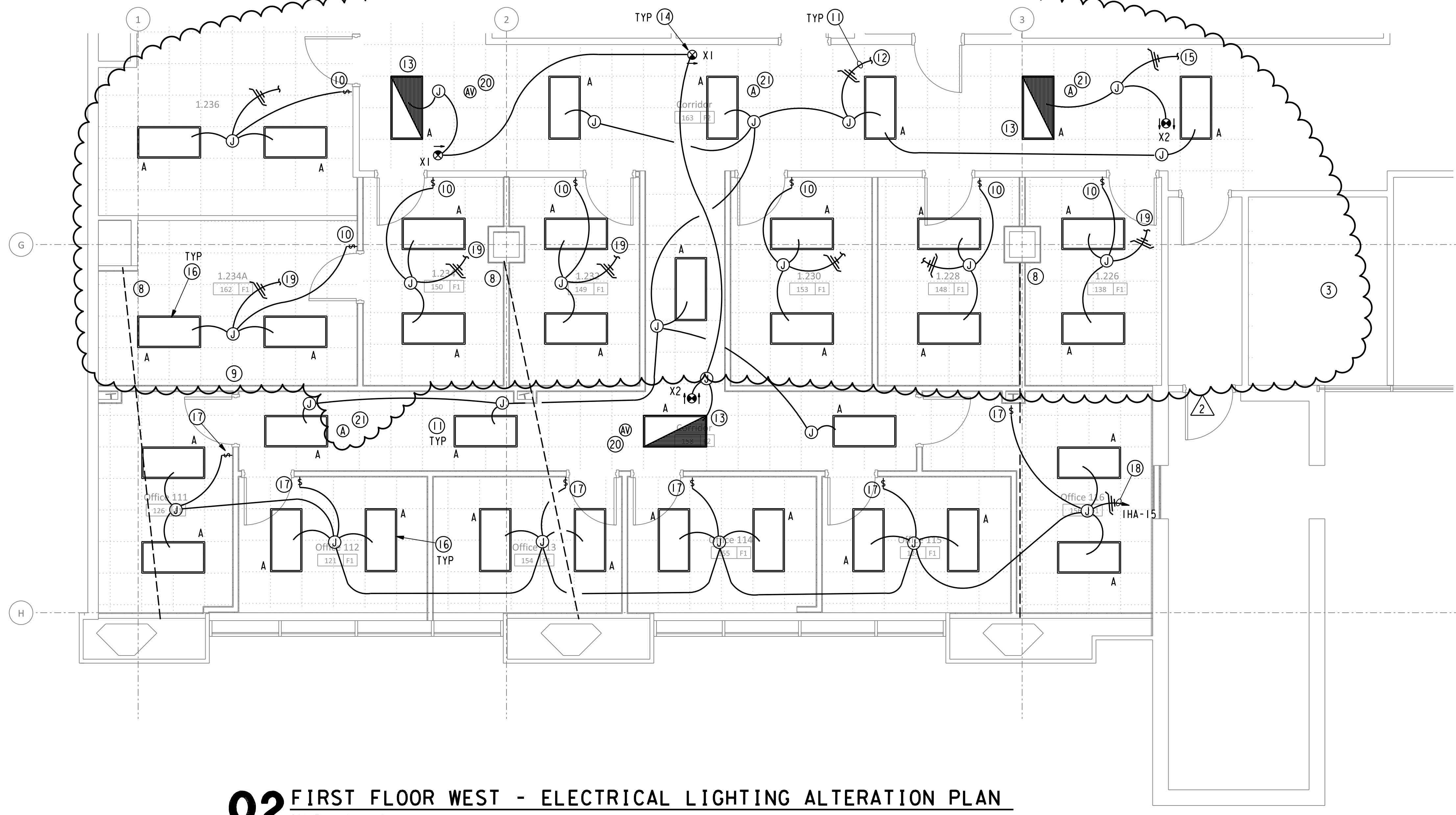
01 FIRST FLOOR EAST - ELECTRICAL LIGHTING DEMOLITION PLAN
SCALE: 1/4" = 1' - 0"

GENERAL NOTES:

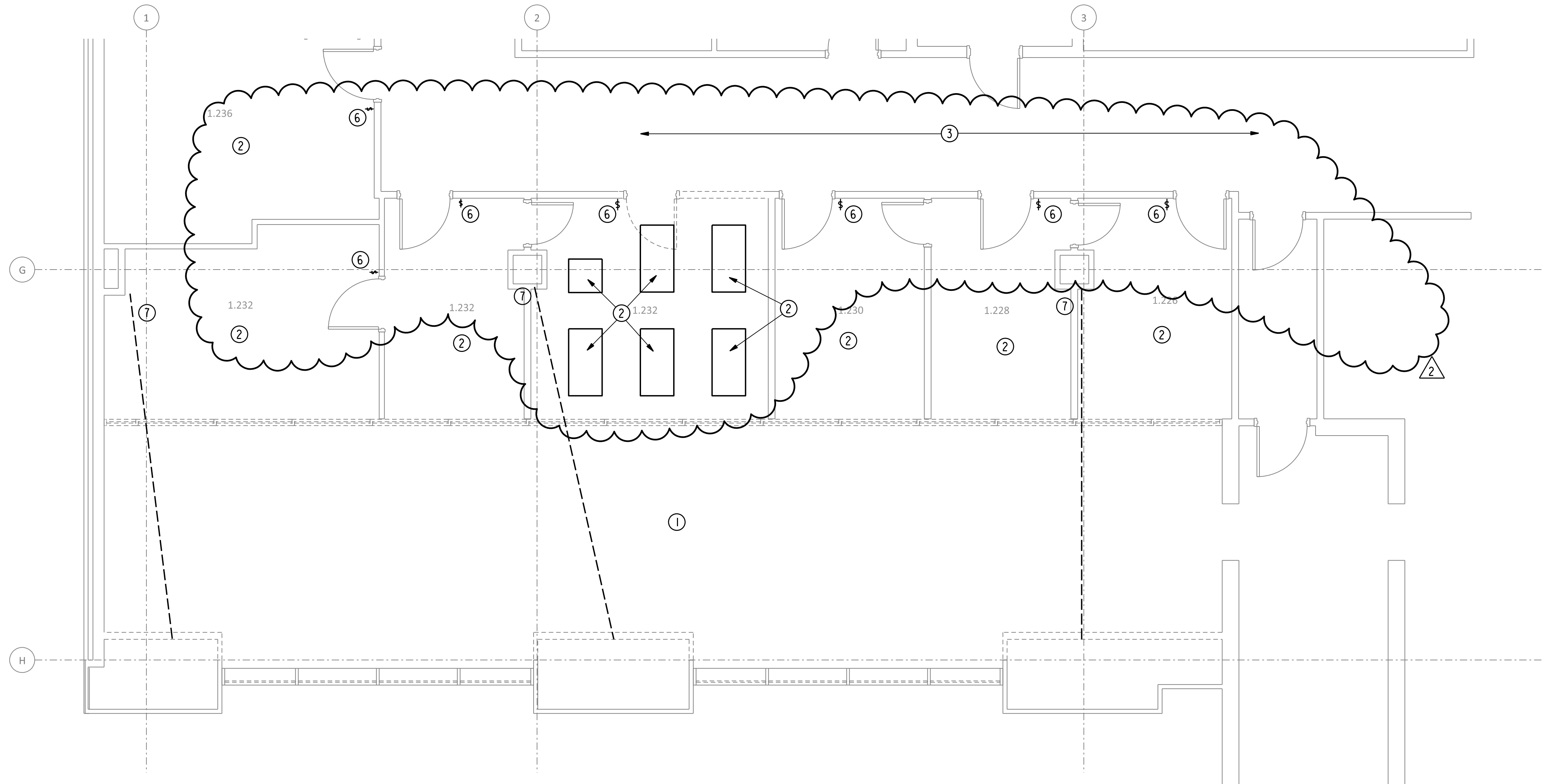
- A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
- B. THE BUILDING FIRE ALARM SYSTEM SHALL BE PREPARED BY A STATE OF TEXAS LICENSED FIRE ALARM PLANNING SUPERINTENDENT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS. FIRE ALARM DEVICES SHOWN ON THE DRAWINGS ARE FOR GENERAL 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: EL1.00AE FOR REMOVAL OF EXISTING PENDANT LIGHT FIXTURES.
- 2 REMOVE EXISTING LIGHT FIXTURES IN ROOM. RE: O2/EL1.01W FOR NEW LIGHT FIXTURES IN ROOM. REMOVE/RELOCATE EXISTING ABOVE CEILING BRANCH CIRCUIT CONDUIT AND WIRING AS REQUIRED TO INSTALL NEW CONSTRUCTION.
- 3 REMOVE EXISTING CORRIDOR LIGHT FIXTURES AND EXIT SIGNS IN THIS AREA IN ROOM. RE: O2/EL1.01W FOR NEW CORRIDOR LIGHT FIXTURES AND EXIT SIGNS. REMOVE/RELOCATE EXISTING ABOVE CEILING BRANCH CIRCUIT CONDUIT AND WIRING AS REQUIRED TO INSTALL NEW CONSTRUCTION.
- 4 NOTE NOT USED.
- 5 REMOVE EXISTING LIGHT SWITCH AND DIMMER. RE: O2/EL1.01W FOR NEW LIGHT SWITCH TO CONTROL NEW LIGHT FIXTURES IN ROOM.
- 6 REMOVE EXISTING LIGHT SWITCH. RE: O2/EL1.01W FOR NEW LIGHT SWITCH TO CONTROL NEW LIGHT FIXTURES IN ROOM.
- 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 REMOVE AND REINSTALL EXISTING CORRIDOR LIGHT FIXTURES, EXIT SIGNS AND BRANCH CIRCUIT CONDUIT AND WIRING AS REQUIRED TO ALLOW NEW STRUCTURAL BEAM AND OTHER ABOVE CEILING CONSTRUCTION TO BE INSTALLED.
- 10 PROVIDE A NEW CREE NO. CFP-1-WH OR APPROVED EQUAL WALL SWITCH WITH WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING. REUSE EXISTING SWITCH BOX, CONDUIT AND WIRING AS APPLICABLE.
- 11 NEW LED CORRIDOR LIGHT FIXTURE, TYPE AS NOTED, CIRCUITED ON NORMAL POWER.
- 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 LED CORRIDOR LIGHT FIXTURE, TYPE AS NOTED, CIRCUITED ON EMERGENCY POWER.
- 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 LED OFFICE LIGHT FIXTURE, TYPE AS NOTED.
- 17 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 CIRCUITRY 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. PROPOSED LOCATION FOR NEW CEILING MOUNTED FIRE ALARM SPEAKER RE: GENERAL NOTES B-G.
- 21 PROPOSED LOCATION FOR NEW CEILING MOUNTED FIRE ALARM SPEAKER RE: GENERAL NOTES B-G.



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"

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. 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:

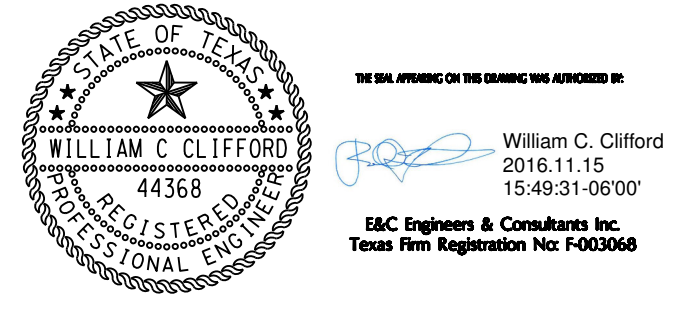
- ① RE: EL1.06AW FOR REMOVAL OF EXISTING PENDANT LIGHT FIXTURES.
- ② REMOVE EXISTING LIGHT FIXTURES IN ROOM. RE: 02/EL1.01W FOR NEW LIGHT FIXTURES IN ROOM. REMOVE/RELOCATE EXISTING ABOVE CEILING BRANCH CIRCUIT CONDUIT AND WIRING AS REQUIRED TO INSTALL NEW CONSTRUCTION.
- ③ REMOVE EXISTING CORRIDOR LIGHT FIXTURES AND EXIT SIGNS IN THIS AREA IN ROOM. RE: 02/EL1.01W FOR NEW CORRIDOR LIGHT FIXTURES AND EXIT SIGNS. REMOVE/RELOCATE EXISTING ABOVE CEILING BRANCH CIRCUIT CONDUIT AND WIRING AS REQUIRED TO INSTALL NEW CONSTRUCTION.
- ④ NOTE NOT USED.
- ⑤ NOTE NOT USED.
- ⑥ REMOVE EXISTING LIGHT SWITCH. RE: 02/EL1.01W FOR NEW LIGHT SWITCH TO CONTROL NEW LIGHT FIXTURES IN ROOM.
- 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 NOTE NOT USED..
- ⑩ PROVIDE A NEW CREE NO. CFP-1-WH OR APPROVED EQUAL WALL SWITCH WITH WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING. REUSE EXISTING SWITCH BOX, CONDUIT AND WIRING AS APPLICABLE.
- ⑪ NEW LED CORRIDOR LIGHT FIXTURE, TYPE AS NOTED, CIRCUITED ON NORMAL POWER.
- 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 LED CORRIDOR LIGHT FIXTURE, TYPE AS NOTED, CIRCUITED ON EMERGENCY POWER.
- 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 LED OFFICE LIGHT FIXTURE, TYPE AS NOTED.
- ⑰ 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/EPL.01A FOR APPROXIMATE PANEL LOCATION.
- ⑲ CIRCUIT NEW ROOM LIGHT FIXTURES TO EXISTING BRANCH CIRCUIT WHICH SERVED EXISTING OFFICE FLOURESCENT LIGHTING.
- ⑳ PROPOSED LOCATION FOR NEW CEILING MOUNTED FIRE ALARM SPEAKER/STROBE. RE: GENERAL NOTES B-G.
- ㉑ PROPOSED LOCATION FOR NEW CEILING MOUNTED FIRE ALARM SPEAKER. RE: GENERAL NOTES B-G.

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No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

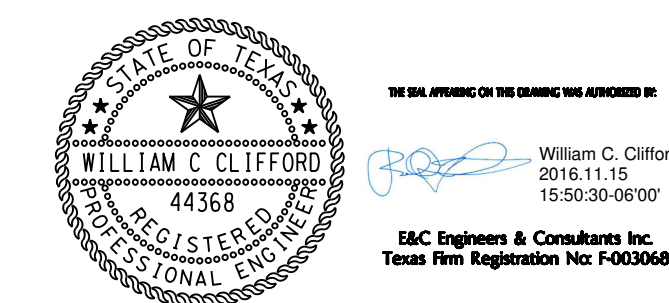
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1st Floor Infill
LRC 3 & 4**



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

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Issues / Revisions

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**Electrical Power
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First Floor - North**

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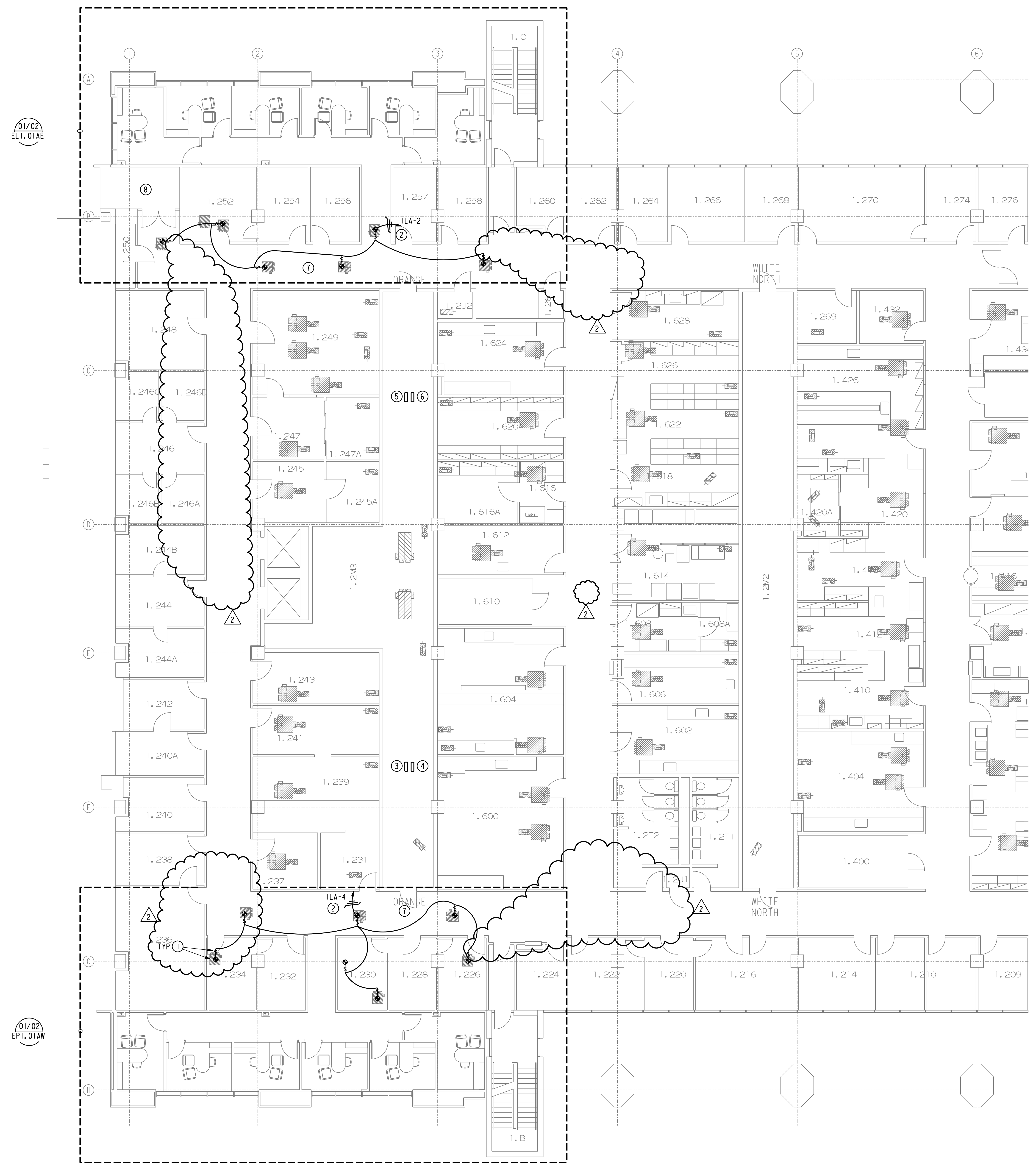
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P&W Commission Number: 3339.00
Sheet Number: EP1.01A

GENERAL NOTES:

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

DRAWING NOTES:

- TOGGLE SWITCH DISCONNECT AND 120 VOLT POWER CONNECTION TO NEW HVAC TERMINAL UNIT.
- NEW BRANCH CIRCUIT HOMERUN TO NEW 20A/IP CIRCUIT BREAKER INSTALLED IN PANEL INDICATED.
- APPROXIMATE LOCATION OF EXISTING 277/480V, 3P-4W PANEL 1IA. INSTALL A NEW 20A/IP CIRCUIT BREAKER AT CIRCUIT 15. UPDATE PANEL SCHEDULE TO SHOW NEW LOADS ADDED.
- APPROXIMATE LOCATION OF EXISTING 120/208V, 3P-4W PANEL 1IA. INSTALL NEW 20A/IP CIRCUIT BREAKERS AT CIRCUITS 1, 2, 3 AND 4. UPDATE PANEL SCHEDULE TO SHOW NEW LOADS ADDED.
- APPROXIMATE LOCATION OF EXISTING 277/480V, 3P-4W PANEL 1HB. INSTALL A NEW 20A/IP CIRCUIT BREAKER AT CIRCUIT 17. UPDATE PANEL SCHEDULE TO SHOW NEW LOADS ADDED.
- APPROXIMATE LOCATION OF EXISTING 120/208V, 3P-4W PANEL 1LB. INSTALL NEW 20A/IP CIRCUIT BREAKERS AT CIRCUITS 28 AND 30. UPDATE PANEL SCHEDULE TO SHOW NEW LOADS ADDED.
- BASE BID. REMOVE AND REINSTALL EXISTING CEILING MOUNTED ELECTRICAL DEVICES IN CORRIDOR AS REQUIRED TO ALLOW NEW HVAC TERMINAL UNITS AND RELATED DUCTWORK, CONTROL WIRING AND CONTROL POWER TO BE INSTALLED. ALTERNATE 3 REMOVE ALL EXISTING CEILING MOUNTED ELECTRICAL DEVICES FOR CORRIDOR CEILING REPLACEMENT AND REINSTALL IN NEW CORRIDOR CEILING.
- REMOVE AND REINSTALL EXISTING CEILING MOUNTED ELECTRICAL DEVICES IN CORRIDOR AS REQUIRED TO ALLOW NEW STRUCTURAL FRAMING TO BE INSTALLED.



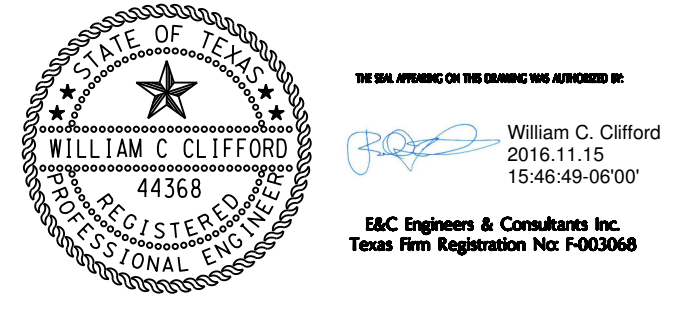
01/02
EPL.01AE

01/02
EPL.01AW

01 FIRST FLOOR - ELECTRICAL RENOVATION PLAN
SCALE: 1/8" = 1'-0"

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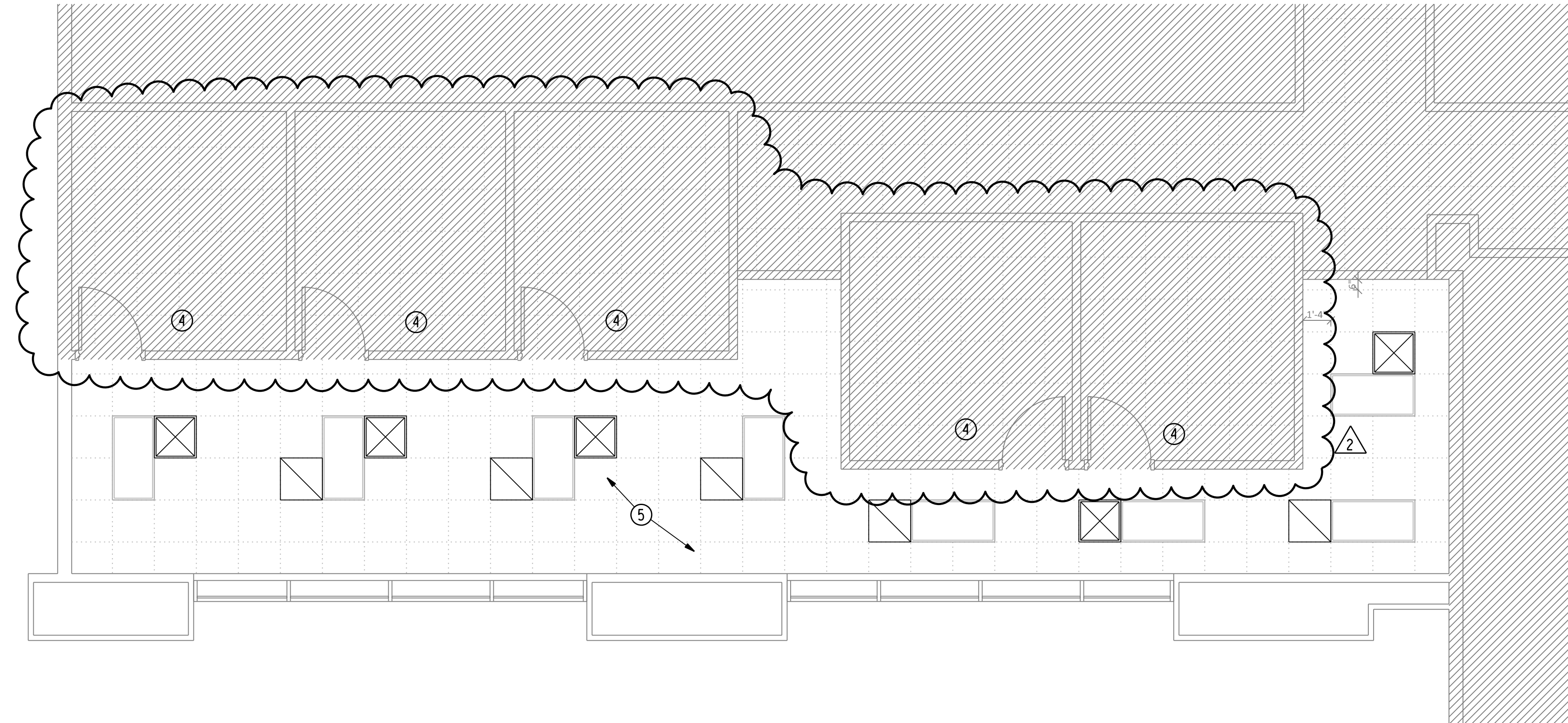


GENERAL NOTES:

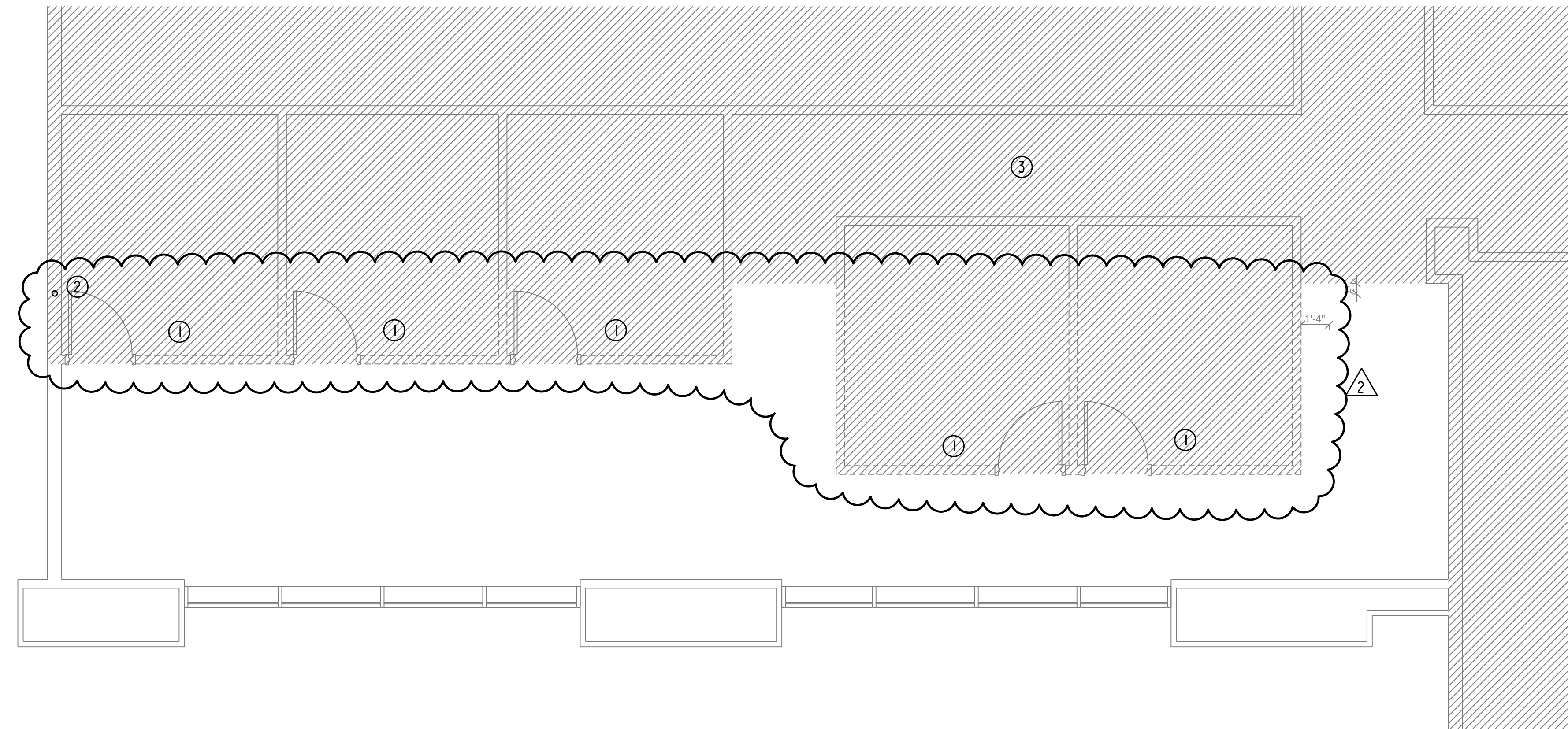
- A. RE: MEPO.0 FOR ADDITIONAL GENERAL NOTES.
- B. MODIFICATIONS AND ADDITIONS TO THE EXISTING BUILDING FIRE PROTECTION AND FIRE SPRINKLER SYSTEMS SHALL BE DESIGNED, PREPARED AND SIGNED BY A STATE OF TEXAS LICENSED FIRE SPRINKLER CONTRACTOR/RME IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND APPLICABLE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

DRAWING NOTES:

- ① REMOVE EXISTING FIRE SPRINKLER PIPING AND SPRINKLER HEADS TO ALLOW THE CEILING AND EXISTING STRUCTURAL CLOSURE TO BE REMOVED. STORE REMOVED PIPING AND SPRINKLER HEADS FOR REINSTALLATION, RE: 02/PI.0GAW, NOTE 4.
- ② REMOVE EXISTING FIRE SPRINKLER MAIN UP TO FIRST FLOOR FIRE SPRINKLERS ABOVE AND CAP EXISTING FIRE SPRINKLER MAIN TO REMAIN.
- ③ EXISTING SPRINKLER PIPING AND SPRINKLER HEADS IN THIS AREA TO REMAIN. RELOCATE EXISTING SPRINKLER HEADS AND SPRINKLER PIPING AS REQUIRED TO ALLOW NEW LIGHTING AND OTHER CEILING MOUNTED DEVICES TO BE INSTALLED.
- ④ AFTER THE NEW INFILL SLAB IS INSTALLED, REINSTALL EXISTING FIRE SPRINKLER PIPING AND SPRINKLER HEADS TO MATCH ORIGINAL EXISTING INSTALLATION.
- ⑤ AFTER THE NEW INFILL SLAB IS INSTALLED, EXTEND EXISTING GROUND FLOOR FIRE SPRINKLER PIPING AND INSTALL NEW FIRE SPRINKLER HEADS IN THIS NEW INFILL AREA.



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



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

ISSUES / REVISIONS

No.	Date	Description
1	07/08/2016	Issue for Construction
2	11/14/2016	Addendum 3

UT Health MSB
1st Floor Infill
LRC 3 & 4



Plumbing
Demolition and
Alteration Plans
Ground Floor West

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SECTION 08 12 13
HOLLOW METAL FRAMES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Non-fire-rated hollow metal frames for non-hollow metal doors.

1.02 RELATED REQUIREMENTS

- A. Section 08 14 16 - Flush Wood Doors: Non-hollow metal door for hollow metal frames.
- B. Section 08 71 00 - Door Hardware: Hardware, silencers, and weatherstripping.
- C. Section 09 91 23 - Interior Painting: Field painting.

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. ANSI/ICC A117.1 - American National Standard for Accessible and Usable Buildings and Facilities; International Code Council; 2009.
- C. ANSI/SDI A250.8 - Specifications for Standard Steel Doors and Frames (SDI-100); 2014.
- D. ANSI/SDI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames; 2011.
- E. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.
- F. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable; 2015.
- G. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2014.
- H. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2009.
- I. NAAMM HMMA 830 - Hardware Selection for Hollow Metal Doors and Frames; 2002.
- J. NAAMM HMMA 831 - Hardware Locations for Hollow Metal Doors and Frames; 2011.
- K. NAAMM HMMA 840 - Guide Specifications for Installation and Storage of Hollow Metal Doors and Frames; 2007.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced grade standard.
- C. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and identifying location of different finishes, if any.
- D. Installation Instructions: Manufacturer's published instructions, including any special installation instructions relating to this project.
- E. Manufacturer's Certificate: Certification that products meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
- B. Maintain at the project site a copy of all reference standards dealing with installation.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store in accordance with applicable requirements and in compliance with standards and/or custom guidelines as indicated.
- B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Hollow Metal Frames with Integral Casings:
 - 1. Republic Doors: www.republicdoor.com.
 - 2. Steelcraft, an Allegion brand: www.allegion.com/us.
 - 3. Substitutions: Not permitted.

2.02 DESIGN CRITERIA

- A. Refer to Door Type Schedule on the drawings for frame sizes, fire ratings, sound ratings, finishing, door hardware to be installed, and other variations, if any.
- B. Door Frame Type: Provide hollow metal door frames with integral casings.
- C. Steel used for fabrication of frames shall comply with one or more of the following requirements; Galvannealed steel conforming to ASTM A653/A653M, cold-rolled steel conforming to ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel conforming to ASTM A1011/A1011M, Commercial Steel (CS) Type B for each.
- D. Accessibility: Comply with ICC A117.1 and ADA Standards.
- E. Glazed Lights: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings. Style: Manufacturers standard.
- F. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior frame that is also indicated as being sound-rated must comply with the requirements specified for exterior frames and for sound-rated frames; where two requirements conflict, comply with the most stringent.
- G. Hardware Preparations, Selections and Locations: Comply with NAAMM HMMA 830 and NAAMM HMMA 831 or ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
- H. Mullions for Pairs of Doors: Fixed, except where removable is indicated, with profile similar to jambs.
- I. Frames Installed Back-to-Back: Reinforce with steel channels anchored to floor and overhead structure.
- J. Frames Wider than 48 Inch: Reinforce with steel channel fitted tightly into head of frame, flush with top.

2.03 HOLLOW METAL DOOR FRAMES WITH INTEGRAL CASINGS

- A. Interior Door Frames, Non-Fire Rated: Knock-down type.
 - 1. Grade: Comply with frame requirements in ANSI/SDI A250.8 (SDI-100); Level 2 - Heavy-Duty, 16 gage, 0.053 inch, minimum frame steel thickness.
 - 2. Terminated Stops: Provide at interior non-fire rated doors in patient care areas; closed end stop terminated 6 inch above floor at 45 degree angle.

2.04 ACCESSORIES

- A. Silencers: Resilient rubber, fitted into drilled hole; 3 on strike side of single door, 3 on center mullion of pairs, and 2 on head of pairs without center mullions.
- B. Removable Stops: Formed sheet steel, shape as indicated on drawings, mitered or butted corners; prepared for countersink style tamper proof screws.
- C. Temporary Frame Spreaders: Provide for factory- or shop-assembled frames.

2.05 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Verify that finished walls are in plane to ensure proper door alignment.

3.02 INSTALLATION

- A. Install frames in accordance with manufacturer's instructions and related requirements of specified frame standards or custom guidelines indicated.
- B. Coordinate frame anchor placement with wall construction.
- C. Coordinate installation of hardware.
- D. Coordinate installation of electrical connections to electrical hardware items.

3.03 TOLERANCES

- A. Clearances Between Door and Frame: Comply with related requirements of specified frame standards or custom guidelines indicated.
- B. Maximum Diagonal Distortion: 1/16 inch measured with straight edges, crossed corner to corner.

3.04 SCHEDULE

- A. Refer to Door Type Schedule on the drawings.

END OF SECTION