

ADA IMPROVEMENTS/ELEVATOR

**WESTERN MIDDLE SCHOOL
1 WESTERN JR HIGHWAY
GREENWICH, CT 06830
BID #2569-26**

S/P+A PROJECT #23.097

DATE: April 7, 2026

The following changes to the Drawings and Project Specifications shall become a part of the Drawings and Project Specifications; superseding previously issued Drawings and Project Specifications to the extent modified by Addendum #8.

General Information:

- The deadline for RFIs has been extended to Monday, April 13, 2026, 12:00pm.
- The deadline for posting addenda has been extended to Wednesday, April 15, 2026, 3:00pm.

Changes to Addenda:

- ADDENDUM #5, Changes to the Addenda, ADDENDUM #3, Changes to the Drawings, DRAWING S1.1, FOUNDATION & MAIN LEVEL FRAMING PLANS, delete its entirety. A new DRAWING S1.1 has been added and is attached as part of this addendum.* (*Per Internal Review*)
- ADDENDUM #3, Changes to the Drawings:
 - The following STRUCTURAL drawings have been deleted in their entirety. New drawings have been added and are attached as part of this addendum* (3):
 - S0.0 GENERAL NOTES (*Per Internal Review*)
 - S3.0 SECTIONS (*Per Internal Review*)
 - S6.0 TYPICAL DETAILS (*Per Internal Review*)
 - The following ARCHITECTURAL drawings have been deleted in their entirety. New drawings have been added and are attached as part of this addendum* (3):
 - A100 FLOOR PLANS – LOWER LEVEL (*Per Internal Review*)
 - A440 ENLARGED ELEVATOR PLANS & SECTIONS (*Per Internal Review*)
 - A700 INTERIOR ELEVATIONS (*Per Internal Review*)

New Specifications:

- SECTION 099647, INTUMESCENT PAINTING, has been added and is attached as part of this addendum. (4) (*Per Internal Review*)

Changes to the Specifications:

- TABLE OF CONTENTS:
 - Page 2, Division 09 – Finishes, add the following:

“Section 099647 Intumescent Painting

4” *(Per Internal Review)*

- DRAWING LIST, Page 2, Electrical Drawings:
 - Add the following:

“E213 WEST WING – GROUND FLOOR PLAN – POWER”
 - Revise “E213” to read “E214”. *(Per Owner Request)*

New Drawings:

- DRAWING E213, WEST WING – GROUND FLOOR PLAN – POWER has been added and is attached as part of this addendum.* *(Per Owner Request)*

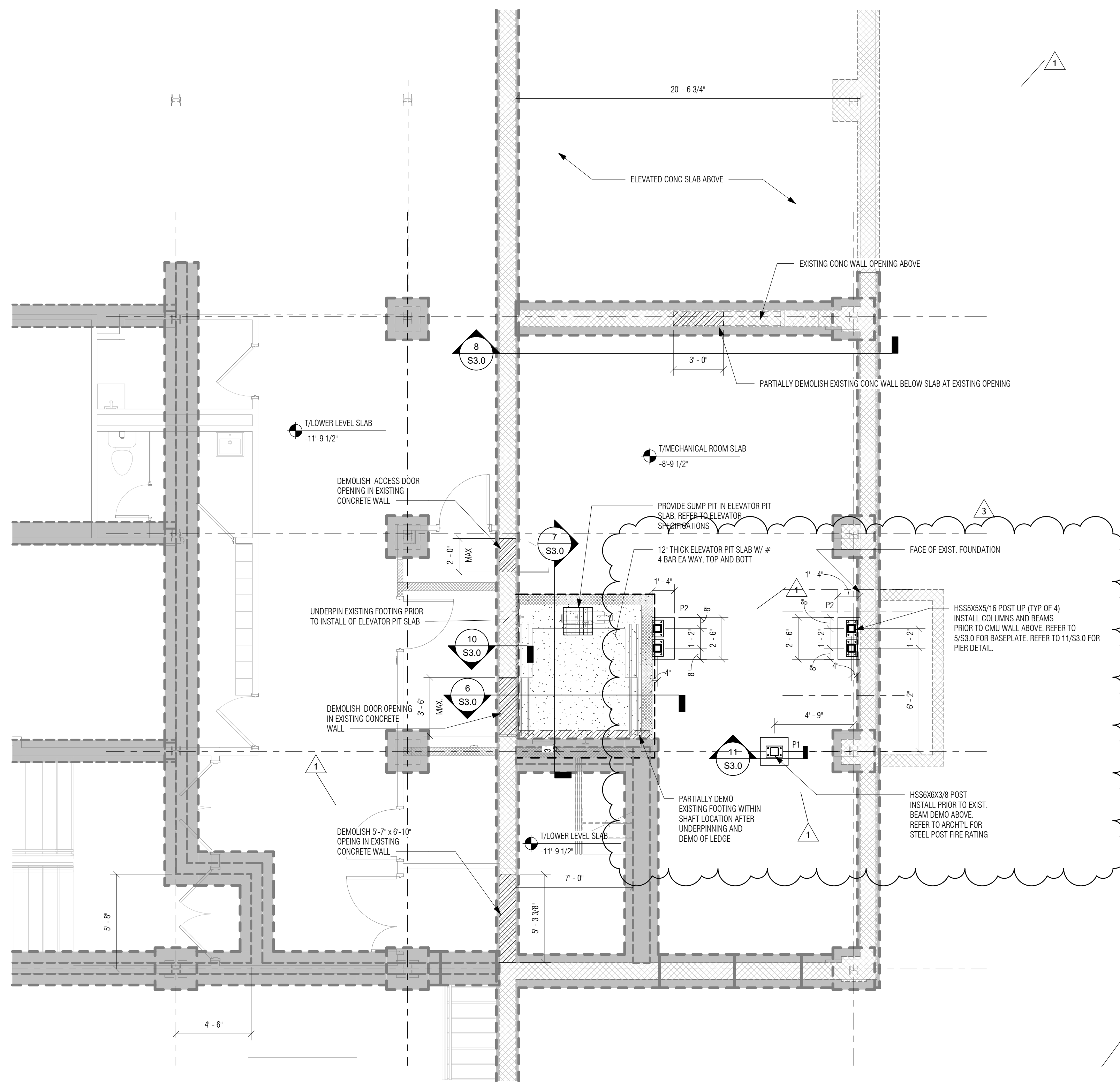
Changes to the Drawings:

- COVER SHEET, delete in its entirety. A new COVER SHEET has been added and is attached as part of this addendum.* *(Per Owner Request)*
- DRAWING S1.2, MAIN & UPPER LEVEL FRAMING PLANS, delete in its entirety. A new DRAWING S1.2 has been added and is attached as part of this addendum.* *(Per Internal Review)*
- The following ARCHITECTURAL drawings have been deleted in their entirety. New drawings have been added and are attached as part of this addendum* (3):
 - A011 DEMOLITION PLANS – MAIN LEVEL *(Per Internal Review)*
 - A101 FLOOR PLANS – MAIN LEVEL *(Per Internal Review)*
 - A103 FLOOR PLANS – UPPER LEVEL *(Per Internal Review)*
- DRAWING E001, SYMBOLS, NOTES, ABBREVIATIONS & DRAWING LIST, delete in its entirety. A new DRAWING E001 has been added and is attached as part of this addendum.* *(Per Owner Request)*

The bid date has been extended to Tuesday, April 21, 2026 at 1:00pm by this addendum.

The addendum consists of six (6) pages of 8½” x 11” text and fourteen (14) 30” x 42” drawings*.

End of Addendum #8



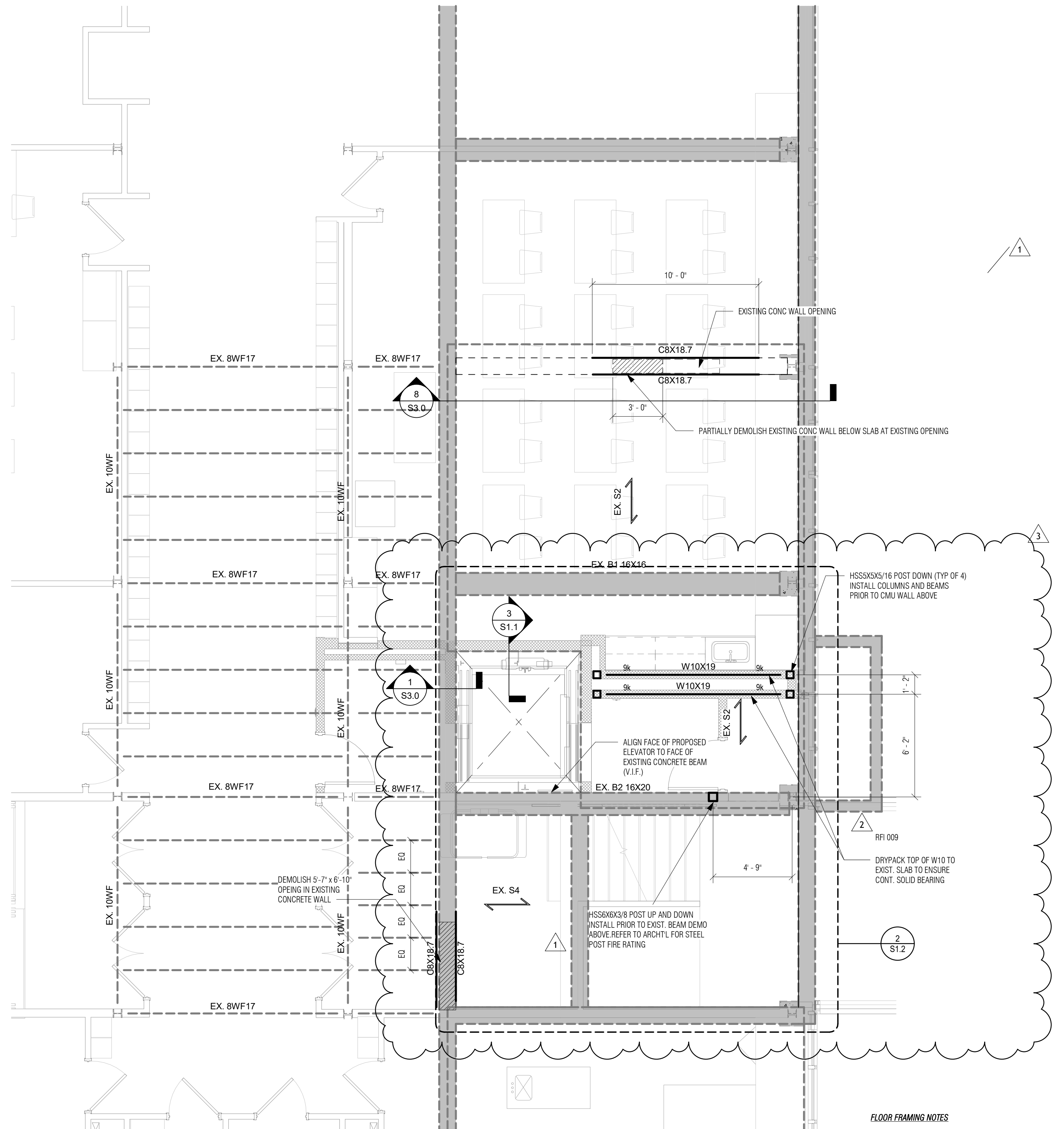
ZERO DATUM FOR ALL ELEVATIONS GIVEN ON STRUCTURAL DRAWINGS IS TOWN LEVEL. ACTUAL ELEVATION: 7'-8\"/>

1 PARTIAL LOWER LEVEL/FOUNDATION PLAN

1/4\"/>

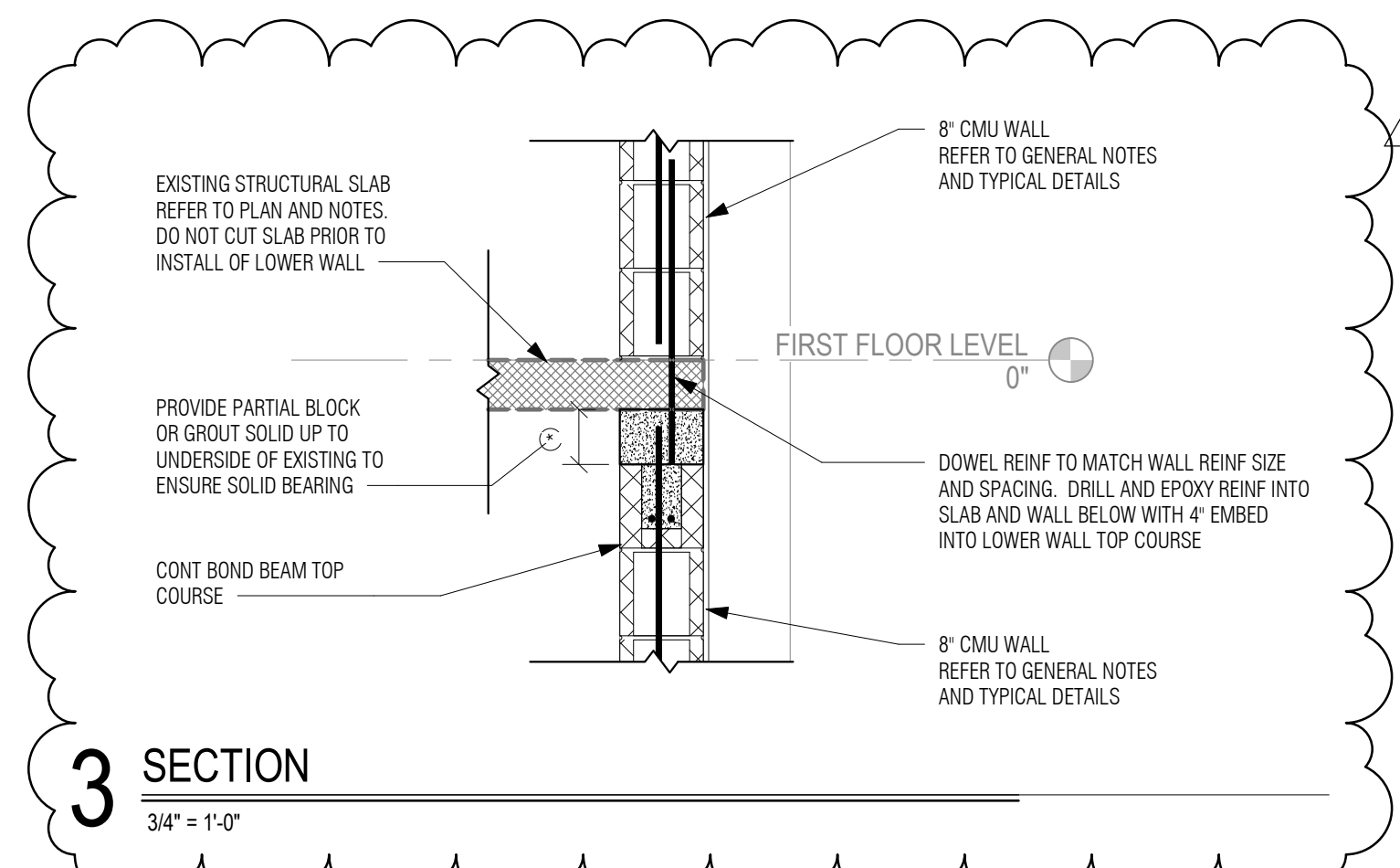
FOUNDATION NOTES:

- TOP OF CONCRETE SLAB ELEVATION= REFER TO PLAN
- FLOOR CONSTRUCTION: 6\"/>



2 PARTIAL MAIN LEVEL FRAMING PLAN

1/4\"/>



FLOOR FRAMING NOTES

- EXISTING FRAMING IS BASED ON EXISTING STRUCTURAL DRAWINGS PREPARED BY WILCOX AND ERICKSON DATED 11/23/1990. ALL CONDITIONS DENOTED MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 - TOP OF FLOOR/WALL ELEVATIONS:

LOWER LEVEL	= -11' - 9 1/2"
MAIN LEVEL	= 0' - 0"
GROUND LEVEL	= + 0' - 10 1/8"
UPPER LEVEL	= + 11' - 2 5/8"
ROOF LEVEL	= + 22' - 2 7/8"
TOP OF ELEVATOR CMU WALL	= + 29' - 5/8"
 - BASED ON EXISTING DRAWINGS:
 - TOP OF S.J. STEEL IS (-3') FROM TOP OF FLOOR SLAB
 - TOP OF STRUCTURAL STEEL IS (-8') FROM TOP OF FLOOR SLAB
 - ALL BEAM FRAMING SHALL HAVE EQUAL SPACING BETWEEN COLUMNS, UNLESS NOTED OTHERWISE.
 - SHORE EXISTING SLAB AND FRAMING PRIOR TO DEMOLITION. SHORING SHOULD BE CONSISTENT DOWN TO THE FOUNDATION LEVEL. THE SHORING AND BRACING DESIGN SHALL BE SUBMITTED AS PART OF THE DELEGATED DESIGN REQUIREMENTS REFER TO THE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS RELATED TO DELEGATED DESIGN.
- EX SOD1 INDICATES EXISTING SLAB CONSTRUCTION: 2 1/2\"/>

EX S2 INDICATES EXISTING CONCRETE SLAB: 4 1/2\"/>

EX S3 INDICATES EXISTING CONCRETE SLAB: 4 1/2\"/>

EX S4 INDICATES EXISTING CONCRETE SLAB: 4\"/>

SOD1 FLOOR CONSTRUCTION: 3\"/>

Project Title:
**ADA IMPROVEMENTS / ELEVATOR ADDITION AT:
 WESTERN MIDDLE SCHOOL**
 1 WESTERN JR HIGHWAY
 GREENWICH CT 06830



SILVER PETRUCELLI + ASSOCIATES
 3190 WHITNEY AVENUE HAMDEN CT 06518
 311 STATE STREET NEW LONDON CT 06320
 203 230 9007 silverpetrucelli.com

Revision	Description	Date	Revised By
1	ADDENDUM #3	03/05/25	LAA
2	ADDENDUM #5	03/19/25	LVP
3	ADDENDUM #6	04/07/25	LVP



Drawing Title:
**FOUNDATION AND MAIN LEVEL
 FRAMING PLANS**
 Project Submission:
ISSUED FOR BID
 State Project Number:

Date:
 01/30/2026
 Scale:
 As Indicated
 Drawn By:
 ACL/A
 Project Number:
 23.097

S1.1

GENERAL

GOVERNING CODE: 2022 CONNECTICUT STATE BUILDING CODE (2021 INTERNATIONAL BUILDING CODE)

DESIGN LOADS: TOWN OF GREENWICH

CONSTRUCTION LIVE LOADS: 20 PSF
PRE-COMPOSED LOAD FOR CONCRETE PLACEMENT BY HOSE AND FINISHING. CONTRACTOR IS RESPONSIBLE FOR ANY SHORING REQUIRED OF THE DECK FOR HEAVY LOADS DURING CONCRETE PLACEMENT.

MINIMUM LIVE LOADS OFFICES: 50 PSF = 15 PSF PARTITION CORRIDORS: 80 PSF STAIRS: 100 PSF PARTITIONS: 20 PSF CLASSROOMS: 40 PSF

ROOF LOAD:

ROOF SNOW LOAD CRITERIA: Ps = 1.0
Cs = 1.0
Wp = 10
Ws = 1.0
P1 = 23.1 PSF

WITH INCREASES FOR SNOW DRIFTING, UNBALANCES AND SLIDING PER SECTION 1609 (2021 IBC).

MINIMUM ROOF LIVE LOAD = 30 PSF

ROOF DEAD LOAD = 20 PSF

WIND LOAD CRITERIA: SECTION 1609 (2021 IBC)

ULTIMATE WIND SPEED (V) = 110 MPH
NOMINAL DESIGN WIND (Vn) = 101 MPH
RISK CATEGORY II, W = 1.0
EXPOSURE CLASSIFICATION 'C'

MINIMUM WIND LOAD ON PRIMARY STRUCTURE = 15 PSF

WIND LOADS ON SECONDARY ELEMENTS SHALL CONFORM WITH ASCE 7-16

COMPONENT AND CLADDING DESIGN WIND PRESSURES:

ROOF ZONE 1: POSITIVE: 19.35 PSF NEGATIVE: -75.504 PSF

ROOF ZONE 1: POSITIVE: 19.35 PSF NEGATIVE: -43.389 PSF

ROOF ZONE 2: POSITIVE: 19.344 PSF NEGATIVE: -99.684 PSF

ROOF ZONE 3: POSITIVE: 19.35 PSF NEGATIVE: -133.876 PSF

WALL ZONE 4: POSITIVE: 47.424 PSF NEGATIVE: -51.480 PSF

WALL ZONE 5: POSITIVE: 47.424 PSF NEGATIVE: -63.492 PSF

ROOF OVERHANG ZONE 1: 68.328 PSF
ROOF OVERHANG ZONE 2: 68.328 PSF
ROOF OVERHANG ZONE 2: 92.508 PSF
ROOF OVERHANG ZONE 3: -128.544 PSF

DESIGN WIND PRESSURE IS COMPUTED BASED ON ULTIMATE WIND SPEED USING 10 SQUARE FOOT OF AREA.

SEISMIC LOAD CRITERIA: AS PER SECTION 1613 (2021 IBC) WITH:

RISK CATEGORY = II

SEISMIC IMPORTANCE FACTOR, I = 1.0

Ss = 0.274g; S1 = 0.09g

SOIL SITE CLASS = D

SPECTRAL RESPONSE COEFFICIENTS, Sds = 0.286g; Sd1 = 0.094g

SEISMIC DESIGN CATEGORY: B

BASIC SEISMIC FORCE RESISTING SYSTEM: LIGHT FRAMED (COLD FORMED STEEL) WALL SYSTEMS USING FLAT STRAP BRACING

SEISMIC RESPONSE COEFFICIENT, Cs = 0.0603

DESIGN BASE SHEAR, V = 12.1 kV

RESPONSE MODIFICATION FACTOR, R = 4.0

ANALYSIS PROCEDURE USED: SAMPURATED ANALYSIS

ALLOWABLE BEARING PRESSURE: 4000 PSF

1. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

2. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS WHICH MAY BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTORS PROPERTY AFTER COMPLETION OF THE WORK.

a. THE CONTRACTOR SHALL PROVIDE SHORING CALCULATIONS AND SHORING DRAWINGS, INDICATING THE WORK TO BE PROVIDED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT.

3. THE STRUCTURE UTILIZES SHEAR WALLS TO PROVIDE LATERAL STABILITY. THEREFORE, TEMPORARY BRACING, GUYS, ETC. MUST BE MAINTAINED UNTIL ALL MASONRY SHEAR WALLS HAVE BEEN ERECTED AND ATTACHED TO STEEL FRAMING.

4. LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO REQUIREMENTS OF OTHER NON-STRUCTURAL DISCIPLINES ARE SHOWN FOR GUIDANCE PURPOSES ONLY. THE CONTRACTOR SHALL OBTAIN FROM THE DESIGN AND VENDOR ALL NECESSARY ELECTRICAL, PLUMBING AND OTHER SUBCONTRACTORS THE FINAL APPROVED SIZE AND LOCATION OF ALL OPENINGS AND WORK TO BE PROVIDED FOR THEIR TRADE IN ROOFS, FLOORS AND WALLS. WHETHER SHOWN OR NOT SHOWN ON STRUCTURAL DRAWINGS, CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSMISSION OF REQUIREMENTS, LOCATIONS AND DETAILS TO STRUCTURAL SUBCONTRACTORS. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS ARE NOT TO BE BORNE BY THE OWNER.

5. MECHANICAL EQUIPMENT WEIGHTS USED IN DESIGN OF SUPPORTING ELEMENTS HAVE BEEN INDICATED ON THE DRAWINGS. CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO INSTALLATION IF ACTUAL WEIGHT EXCEEDS WEIGHT SHOWN ON DRAWINGS.

6. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.

7. SHOP DRAWINGS ARE TO BE CHECKED BY THE CONTRACTOR AND SUBCONTRACTOR AND BEAR CHECKERS INITIALS BEFORE BEING SUBMITTED TO THE ARCHITECT FOR APPROVAL.

8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.

9. ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR SITUATIONS THROUGHOUT THE BUILDING, UNLESS OTHERWISE SPECIFICALLY NOTED.

10. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO SUBMITTING THEIR BID FOR REFERENCE TO ALL NOTES ON ARCHITECTURAL DRAWINGS REFERRING TO "SEE STRUCTURAL DRAWINGS". IF THE SIZE OF ELEMENTS AND DETAILING OF MEMBERS IS NOT INDICATED, THE CONTRACTOR SHALL CONTACT THE ARCHITECT TO REQUEST THE MISSING INFORMATION IN PREPARATION OF THEIR BID. THESE REFERENCED ITEMS SHALL BE PART OF THE BASE BID.

11. IN CASES OF DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND SUBMITTED SHOP DRAWINGS, THE CONTRACT DOCUMENTS SHALL GOVERN INSTALLATION OF MATERIALS.

12. WOOD BLOCKING THAT IS NOT PART OF THE PRIMARY STRUCTURAL FRAME IS NOT OWNED BY WHAL. THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER IS RESPONSIBLE FOR COORDINATING THE PARTIES THAT OWN THE BLOCKING, INCLUDING THE CONNECTION OF THE BLOCKING TO ANY SUPPORTING MATERIAL. THIS INCLUDES BUT IS NOT LIMITED TO: BLOCKING BELOW MECHANICAL EQUIPMENT, BLOCKING FOR ROOFING ATTACHMENT, AND BLOCKING FOR WINDOW SYSTEM CONNECTIONS.

CONTRACTORS RELATED DESIGN

1. CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CONNECTICUT TO PERFORM THE DESIGN OF THE FOLLOWING:

A. STRUCTURAL STEEL CONNECTIONS, INCLUDING BRACING AND MOMENT FRAMES

B. FOUNDATIONS, INCLUDING SHAFR STRINGS, AND SHAFR LANDING DESIGN AND THEIR CONNECTIONS

C. TEMPORARY SHORING OF EXISTING STRUCTURAL MEMBERS.

D. ALL NON-STRUCTURAL EQUIPMENT ATTACHMENT TO SUPPORTING STRUCTURE. THIS INCLUDES BUT IS NOT LIMITED TO MECHANICAL CURB ATTACHMENTS, HANGING CONNECTIONS OF MEP UNITS, ETC.

E. UNDERPINNING AND ASSOCIATED SHORING

F. REVIEW OF EXISTING LEASE CONDITIONS.

2. ALL CALCULATIONS SHALL BE SIGNED AND SEALED BY THE ENGINEER AND SUBMITTED FOR REVIEW.

CONCRETE

MATERIALS

CONCRETE SHALL MEET THE REQUIREMENTS OF THE EXPOSURE CATEGORY LISTED BELOW PER ACI 318 CHAPTER 19. AND SHALL HAVE THE MAXIMUM WATER TO CEMENT RATIO, TARGET AIR CONTENT AND DEVELOP STRENGTH IN 28 DAYS AS FOLLOWS:

Table with 5 columns: LOCATION, EXPOSURE CATEGORY, STRENGTH (PSI), MAXIMUM WATER TO CEMENT RATIO, TARGET AIR CONTENT. Rows include FOUNDATIONS, SLABS ON GRADE, SLABS ON METAL DECK, EXTERIOR CONCRETE, MATS AND SLABS ON GRADE.

* INCLUDES ANY EXTERIOR CONCRETE PADS, SLABS, ETC. NOTED ON THE STRUCTURAL DRAWINGS. REFER TO SITE CONCRETE SPECIFICATIONS FOR ALL OTHER EXTERIOR CONCRETE REQUIREMENTS.

1. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS MUST FOLLOW ACI 318-14.

2. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ACI GUIDELINES FOR HOT AND COLD WEATHER CONCRETE AND SHALL SUBMIT PROCEDURES FOR RECORD PRIOR TO COMMENCING WORK.

3. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.

4. NO TACK WELDING OF REINFORCING WILL BE PERMITTED.

5. UNLESS NOTED OTHERWISE, ALL LAP SPICES SHALL BE CLASS B, FOR ACCORDANCE WITH ACI 318-14.

6. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.

7. WIRE MESH REINFORCEMENT MUST LAP ONE MESH SIZE AT SIDES AND ENDS AND BE WIRED TOGETHER.

8. WELDED WIRE FABRIC SIDE LAPS SHALL BE STAGGERED TO AVOID FOUR MESH THICKNESS AT CONJOINING END LAP AND SIDE LAP LOCATION.

9. NO CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.1% CHLORIDE BY WEIGHT OF ADMIXTURES SHALL BE USED IN THE CONCRETE.

10. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE AT LEAST 3'-0" BELOW FINISHED GRADE. PRIOR TO PROCEEDING WITH FOOTING FORMWORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF BOTTOM OF EXTERIOR FOOTING ELEVATIONS WITH THE FINISH GRADES AND MAINTAINING THE 3'-0" Frost PROTECTION, WHERE SUBSURFACE PIPING PASSES THROUGH FOUNDATION WALLS. THE TOP OF FOOTINGS SHALL BE AT LEAST 8" BELOW THE INVERT ELEVATION OF THE PIPING AND CONDUITS. COORDINATE ALL INVERTS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, SITE AND SITE UTILITY DRAWINGS. PIPING OR CONDUITS SHALL NOT PASS THROUGH COLUMNS OR PIERS.

11. CONTRACTOR SHALL ANTICIPATE DEFLECTION OF STEEL MEMBERS AT SUPPORTED ELEVATED SLABS OF 1 INCH MAXIMUM. AND PROVIDE ADDITIONAL CONCRETE AS REQUIRED.

12. ALL HORIZONTAL STEEL SHOWN IN SECTIONS AND DETAILS SHALL BE CONTINUOUS, UNLESS OTHERWISE NOTED. ALL LAPS SHALL BE CLASS A(B) SPLICES IN ACCORDANCE WITH ACI 318.

13. AT INTERSECTIONS OF REINFORCED CONCRETE WALLS, PROVIDE CORNER DOWELS OF SAME SIZE AND AT THE SAME SPACING AS THE SMALLER HORIZONTAL REINFORCING. DOWELS SHALL HAVE A CLASS B LAP WITH HORIZONTAL REINFORCING IN EACH DIRECTION.

14. PROVIDE DRILLED AND EPOXYED DOWELS OF SAME SIZE TO MATCH NEW REINFORCING WHERE NEW CONSTRUCTION ABUTS EXISTING CONCRETE CONSTRUCTION. LENGTH SHALL BE THE REQUIRED EMBEDMENT DEPTH PER THE ANCHOR BOLTEDROPXY MANUFACTURER PLUS A CLASS B LAP SPICE FOR THE SIZE OF BAR.

15. PROVIDE CORROSION RESISTANT ACCESSORIES IN ALL EXPOSED CONSTRUCTION.

16. ALL KEYS IN CONCRETE WALLS SHALL BE 2 X 4 UNLESS NOTED OTHERWISE.

17. CONCRETE PIERS, PLACE CONCRETE PIERS AND WALLS TOGETHER. SET PER REINFORCING AND SET WALL REINFORCING THROUGH PER VERTICAL BARS. PROVIDE DOWELS WITH STANDARD HOOK FROM FOOTING AT ALL PIERS. SIZE AND QUANTITY OF DOWELS TO MATCH VERTICAL REINFORCING. PROVIDE CLASS 'B' SPLICE.

18. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, SITE, UTILITY AND EQUIPMENT DRAWINGS FOR CONCRETE PADS, SLEEVES, OPENINGS, RECESSES, AND BUILT-IN WORK IN CONCRETE ELEMENTS.

19. THE CONTRACTOR SHALL FURNISH LOCATE AND INSTALL ALL ACCESSORIES FOR PROPER ANCHORAGE OF WOOD AND METAL FRAMING, WOOD BLOCKING, BRICK WORK AND MASONRY UNITS. THEY SHALL BE SOLELY RESPONSIBLE FOR FURNISHING, LOCATING AND ENDURING PROPER QUANTITY OF ALL FASTENING DEVICES.

20. ALL CONCRETE TO REMAIN EXPOSED TO VIEW SHALL RECEIVE A SMOOTH-RUBBED FINISH (SEE SPECIFICATIONS).

21. ALL CONCRETE CORNERS WITH BOTH SIDES EXPOSED TO VIEW SHALL BE SQUARE UNLESS OTHERWISE SHOWN OR NOTED. THE EDGE SHALL BE RUBBED. PROVIDING A SMOOTH, DENSE SURFACE WITHOUT PITS OR IRREGULARITIES.

22. PROVIDE CONTINUOUS VERTICAL DOWEL SLOTS AT 16 INCH CENTERS HORIZONTALLY FOR ALL CONCRETE WALLS ABUTTING A MASONRY WALL OR MASONRY VENEER UNLESS OTHERWISE NOTED.

23. PROVIDE CLEARANCE FROM EDGE OF REINFORCING TO EDGE OF CONCRETE AS FOLLOWS:

Table with 2 columns: FOOTINGS (ASBESTH EARTH), BEAMS (LONGITUDINAL REINFORCING), COLUMNS AND PIERS (VERTICAL REINFORCING), WALLS, EXTERIOR FACE (#4 AND SMALLER), WALLS, EXTERIOR FACE (#6 AND LARGER), SLABS (INTERIOR), SLABS (EXTERIOR), SLABS ON GRADE (W/W.F.), and 2 columns for dimensions.

24. PROVIDE 2-#4 BARS IN TOP OF ALL CONCRETE BEAMS WITH STIRRUPS THAT DO NOT HAVE ANY OTHER TOP STEEL SPECIFIED.

25. NO SLEEVES, HOLES OR INSERTS SHALL BE PLACED IN SLABS WITHIN 2'-0" OF THE EDGE OF COLUMNS, OR ANYWHERE IN BEAMS, COLUMNS OR JOISTS WITHOUT APPROVAL OF THE ARCHITECT.

26. PROVIDE LENGTH OF BEARING ON MASONRY WALLS AS FOLLOWS, UNLESS NOTED OTHERWISE: REINFORCED CONCRETE BEAMS: 8 INCHES; SOLID CONCRETE SLABS: 4 INCHES

27. CONCRETE COLUMNS SHALL BE PLACED AT LEAST TWO HOURS IN ADVANCE OF BEAMS, JOISTS AND SLABS.

28. JOINTS NOT INDICATED ON THE DRAWINGS SHALL BE MADE SO AS TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE. THERE SHALL BE NO HORIZONTAL JOINTS IN BEAMS OR SUSPENDED SLABS.

29. PROVIDE THE FOLLOWING AT OPENINGS IN ALL CONCRETE BEAMS AND FRAMED SLABS, UNLESS OTHERWISE INDICATED: 1-#5 AT EACH FACE ON EACH SIDE OF OPENING, EXTENDING 2'-0" BEYOND OPENING. 1-#5 X 4'-0" LONG AT EACH FACE DIAGONALLY AT EACH CORNER.

30. REINFORCING STEEL SHOP DRAWINGS SHALL INDICATE THE SEQUENCE IN WHICH LAYERS OF CROSSING REINFORCING SHOULD BE PLACED, IN ORDER TO PRODUCE THE CORRECT OUTERMOST LAYER AS INDICATED ON THE DRAWINGS.

31. SHOP DRAWINGS SHALL INDICATE LOCATIONS OF ALL WALL CONTROL AND CONSTRUCTION JOINTS.

32. ALL REINFORCING, THREADED RODS OR BOLTS INDICATED TO BE DRILLED AND EPOXYED SHALL UTILIZE HLT-HIT-HY200 ADHESIVE OR APPROVED EQUAL.

STRUCTURAL STEEL

MATERIALS:

1. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION, AISC 360-10. ALL REACTIONS SHOWN ON PLAN HAVE BEEN DEVELOPED USING ALLOWABLE STRESS DESIGN.

2. WELDING SHALL CONFORM TO THE CODE FOR WPC AND GAS WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY. ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER.

3. ALL LOOSE BEAM LINTELS SHALL HAVE 8" MINIMUM BEARING. SEE ARCHITECTURAL JAMB DETAILS FOR LENGTHS.

4. FOR MISCELLANEOUS STEEL, NOT SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL DRAWINGS.

5. PROVIDE LEVELLING NUTS FOR ALL COLUMN BASE PLATES WITH FOUR (4) ANCHOR BOLTS AND PROVIDE 1/2" MINIMUM, 5000 PSI NON-SHRINK GROUT. PROVIDE TACK WELD AT THE BOTTOM OF THE ANCHOR BOLT EMBEDDED IN CONCRETE CONNECTIONS.

6. CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR AND CONSTRUCTED IN ACCORDANCE WITH AISC 360-10. CONNECTIONS SHALL BE PROVIDED TO CONFORM TO THE REQUIREMENTS OF SIMPLE CONNECTIONS UNLESS OTHERWISE DETAILD.

CONNECTIONS SHALL BE DESIGNED TO ACCOMMODATE THE REACTIONS SHOWN ON THE CONTRACT DOCUMENTS. IF NO REACTIONS ARE GIVEN THEN CONNECTION FOR ONE HALF THE ALLOWABLE UNIFORM LOAD BEAM TABLES, PER THE AISC MANUAL, FOR THE SPAN INDICATED ON THE DRAWINGS. MINIMUM CONNECTION DESIGN LOAD IS 4 KIPS.

MINIMUM CONNECTION ANGLE THICKNESS SHALL BE 5/16". MINIMUM SHEAR PLATE IS 3/8". IN ADDITION TO PROVIDING ADEQUATE BOLTS TO ACCOMMODATE REACTIONS, THE FOLLOWING MINIMUM NUMBER OF BOLT ROWS SHALL BE USED: MEMBER DEPTH MINIMUM BOLT ROWS

Table with 2 columns: 10' or Less, 12' to 14', 16' to 18', 20' to 24', 22' to 30', Over 30' and 2 columns for number of bolt rows (2, 3, 4, 5, 6, 7).

CONNECTIONS SHALL BE MADE USING 3/4" DIAMETER ASTA A307 BOLTS, 3/8" DIA. OR 3/4" DIA. CRITICAL, OR 1/2" DIA. UNLESS NOTED OTHERWISE. IF TENSION CONTROL BOLTS ARE USED, CONNECTIONS SHALL BE DESIGNED FOR SLIP CRITICAL, BUT ALLOWING LOAD VALUES USING CLASS A FATIGUE SURFACE.

USE LARGER OF 1/4" FILLET WELDS OR MINIMUM SIZE PER AISC REQUIREMENTS WHERE NO WELD SIZE IS SHOWN ON DRAWINGS.

WELDS IN EXCESS OF 24" IN LENGTH SHALL BE 9" STITCH WELDS AT 8" ON CENTERS, UNLESS SPECIFICALLY SHOWN ON DRAWINGS TO BE CONTINUOUS.

MOMENT CONNECTIONS SHALL BE DESIGNED TO DEVELOP FULL MOMENT CAPACITY OF THE ELEMENTS CONNECTED, UNLESS SPECIFIC MOMENT IS INDICATED ON THE DRAWINGS.

7. NO WELDING OR FINAL BOLTING SHALL BE DONE UNTIL AS MUCH OF THE STRUCTURE THAT WILL BE STIFFENED THEREBY HAS BEEN PROPERLY ALIGNED.

8. SEQUENCE OF PLACING WELDS SHALL BE SUCH AS TO AVOID DISTORTION OF MEMBERS.

9. SUBSTITUTION OF STRUCTURAL STEEL MEMBERS IS PERMITTED TO FACILITATE DELIVERY AT NO ADDITIONAL COST TO THE OWNER. SUBSTITUTED MEMBERS MUST BE OF THE SAME MINIMAL DEPTH AS THE MEMBER ORIGINALLY INDICATED AND HAVE A WEIGHT GREATER THAN THAT INDICATED. BEAM FLANGES MUST NOT WARPING ON ADJACENT ARCHITECTURAL ELEMENTS.

10. ALL STRUCTURAL STEEL BEAMS AND COLUMNS ADJACENT TO MASONRY SHALL HAVE THE FOLLOWING MASONRY ANCHORAGE: 16 GAGE GALVANIZED CHANNEL, SLOTS (OUR-O-WAL, INC. D/A 810) WELDED TO COLUMNS AND BEAMS WITH 1/4" GALVANIZED STRAP ANCHORS (OUR-O-WAL, INC. D/A 914) SPACED 7'-0" C.C. AT COLUMNS AND 1'-4" AT BEAMS (UNLESS OTHERWISE NOTED). INSTALL PER MANUFACTURERS SPECIFICATIONS.

11. PROVIDE DEFORMED BAR ANCHORS ON THE TOP OF ALL BEAMS SUPPORTING CONCRETE MASONRY UNIT WALLS OR MULTI-TYRE BRICK WALLS. THE ANCHORS SHALL BE WELDED AT 24" ON CENTER AND SHALL BE THE SAME SIZE AS THE WALL REINFORCING. DEFORMED BAR ANCHORS SHALL BE PLACED BY A TRIMMED STUD WELDING MACHINE.

12. STEEL MEMBERS SHOWN CONNECTED TO MASONRY WITH EXPANSION ANCHORS SHALL HAVE 3/4" DIAMETER EXPANSION ANCHORS AT 2'-0" ON CENTERS IN VERTICALLY SLOTTED HOLES, UNLESS OTHERWISE NOTED.

13. BEAMS BEARING ON MASONRY SHALL HAVE ANGLE WALL ANCHORS WELDED TO THE BEAM. AS DETAILED IN THE A.I.S.C. MANUAL OF STEEL CONSTRUCTION.

14. BRAMS BEARING ON 8" X 8" BEARING PLATES FOR ALL WALL BEARING BEAMS UNLESS NOTED OTHERWISE. ALL PLATES SHALL HAVE A MINIMUM OF (2)-3/4" DIAMETER X 9" LONG WELDED STUOS ON THE BOTTOM TO SET IN CONCRETE OR MASONRY WALLS.

15. SPRAY-ON PRESEROOFING SHALL BE APPLIED TO ALL STRUCTURAL STEEL TO ACHIEVE REQUIRED FIRE RATING, UNLESS OTHER PROTECTIVE COATING IS INDICATED ON THE ARCHITECTURAL DRAWINGS.

16. ALL STEEL MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH PRESSURE TREATED LUMBER OR WOOD PRODUCTS IN THE COMPLETED CONSTRUCTION SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123.

17. PROVIDE BUTYLAUMATIC PROTECTION COATING FOR ALL STRUCTURAL STEEL BELOW GRADE.

18. EXISTING STEEL SURFACES TO RECEIVE FIELD WELDS SHALL BE THOROUGHLY CLEANED UNTIL FREE FROM PAINT, RUST, GREASE, ETC.

19. PROVIDE 1/4" CLOSURE PLATES WITH FULL SEAL WELDS FOR ALL TUBE OR PIPE HOLLOW STEEL SECTIONS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

20. PROVIDE AN ELEVATOR HOIST BEAM AT EACH ELEVATOR. THE BEAM SHALL BE A W8X21 MINIMUM. COORDINATE WITH THE ARCHITECTURAL DRAWINGS. THE BEARING PLATE ON MASONRY WALLS SHALL BE A PLATE 3/4"X8"X12" MINIMUM WITH (2)-3/4" DIAMETER ANCHOR BOLTS SET INTO GROUTED MASONRY.

21. CONTRACTOR IS RESPONSIBLE FOR PROVIDING NEW STEEL FRAMES, AS DETAILED ON THE STRUCTURAL DRAWINGS, AT ALL NEW FLOOR AND ROOF OPENINGS REQUIRED BY ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS IN BOTH NEW AND EXISTING STRUCTURES. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE CONTRACT DOCUMENTS AND INCLUDE THESE FRAMES IN THEIR BID PRICE. THESE NEW STEEL FRAMES FOR OPENINGS ARE IN ADDITION TO THE FRAMES SPECIFICALLY INDICATED ON THE DRAWINGS FOR SUPPORT SPECIFIC CONDITIONS.

22. CONSTRUCTION MANAGER IS RESPONSIBLE TO COORDINATE THE MECHANICAL CURB DIMENSIONS FOR MECHANICAL EQUIPMENT BETWEEN THE MECHANICAL CONTRACTOR AND STRUCTURAL STEEL FABRICATOR. THE STRUCTURAL STEEL SHALL BE LOCATED ON THE CENTERLINE OF MECHANICAL CURB.

23. STEEL CONTRACTOR SHALL PROVIDE SKETCHES FOR ALL CORRECTIVE FIELD WORK WHICH SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL. ALL SKETCHES SHALL BE SIGNED AND SEALED BY THE STEEL FABRICATORS CONNECTIONS ENGINEER.

24. ALL THREADED RODS OR BOLTS INDICATED TO BE DRILLED AND EPOXYED SHALL UTILIZE HLT-HIT-HY200 ADHESIVE OR APPROVED EQUAL.

25. NON-SHRINK GROUT SHALL BE INSTALLED BELOW ALL COLUMN BASE PLATES AND INSPECTED PRIOR TO PLACING CONCRETE SLAB ON DECK.

METAL ROOF DECK

1. MATERIALS: TYPICAL METAL DECK SHALL BE 1/2" GALVANIZED WIDE HIB TYPE WITH NESTING SIDE SEAMS OF GAGE INDICATED ON THE DRAWINGS.

2. ATTACHMENT: METAL DECK SHALL BE POWER ACTUATED FASTENED AND SPACING STEEL WITH HLT-X EDN19 OR EQUAL, SPACED NOT MORE THAN 12" ON CENTER WITH A 36x4 FASTENING PATTERN, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

SPOKE METAL ROOF DECK TO STEEL MEMBER PARALLEL TO SPAN OF DECK USING HLT-X EDN19 FASTENERS SPACED AT 12" ON CENTER. WELDING OF THE ROOF DECK IS PROHIBITED.

INTERMEDIATE SIDE CONNECTIONS SHALL BE MADE WITH #10 SELF TAPPING SCREWS. THE MAXIMUM SPACING OF SIDE LAP CONNECTIONS SHALL BE 1'-6" WITH A MINIMUM OF (4) SCREWS PER SPAN. FOR 3" DECK USE A MINIMUM OF (8) SCREWS PER SPAN.

LONG SPAN ROOF DECK SHALL HAVE BUTION PUNCHED SLOEPS SPACE AT 3'-0" MAX.

3. HANGING LOADS: IT IS ACCEPTABLE TO HANG PIPING OR CONDUIT 1" DIAMETER OR LESS FROM DECKING USING APPROVED FASTENERS.

ALL PIPING GREATER THAN 1 IN., DUCTWORK, LIGHTING, AND FINISHES INCLUDING CEILINGS AND CEILING CLOUDS MUST BE HANG FROM STRUCTURAL FRAMING. AT LOCATIONS WHERE THE EQUIPMENT CANNOT BE HANGING DIRECTLY OFF THE STRUCTURAL FRAMING, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A SECONDARY SUPPORT SYSTEM BETWEEN THE STRUCTURAL FRAMING MEMBERS. THIS SYSTEM MUST BE ENGINEERED FOR THE EQUIPMENT WEIGHTS BEING SUPPORTED. PROVIDE SIGNED AND SEALED SHOP DRAWINGS FOR REVIEW. THAT INCLUDE THE ATTACHMENT OF THE SYSTEM TO THE SUPPORTING FRAMING.

CONCRETE MASONRY

MATERIALS:

HOLLOW LOAD BEARING UNITS: ASTM C 90 (NET AREA COMPRESSIVE STRENGTH OF CMU UNIT = 2000PSI)

MORTAR (TYPE S) ASTM C 270 (COMPRESSIVE STRENGTH OF MASONRY ASSEMBLY: fm = 2000 PSI)

GROUT FOR REINFORCED MASONRY: ASTM C 476 (COMPRESSIVE STRENGTH AT 28 DAYS = 2000 PSI)

GROUT FOR REINFORCED MASONRY: ASTM C 476 (COMPRESSIVE STRENGTH AT 28 DAYS = 2000 PSI)

SOLID LOAD BEARING UNITS: (GRADE II) ASTM C 145 CONCRETE BRICK: (GRADE II) ASTM C 133

1. WALLS INDICATED ON STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR LOCATION, THICKNESS AND COMPOSITION OF MASONRY WALLS.

2. ALL EXTERIOR/INTERIOR STRUCTURAL MASONRY WALLS SHALL CONTAIN THE FOLLOWING REINFORCING: 1-#5 VERTICAL BAR AT 32" ON CENTER. 2-#6 VERTICAL BARS AT BOTH SIDES OF DOOR, WINDOW AND MECHANICAL OPENINGS. 2-#5 HORIZONTAL BAR MINIMUM ABOVE AND BELOW ALL WINDOW AND MECHANICAL OPENINGS AND ABOVE ALL DOOR OPENINGS. PROVIDE ADDITIONAL BARS ABOVE DOORS, WINDOWS AND MECHANICAL OPENINGS AS REQUIRED IN ACCORDANCE WITH UNTEL SCHEDULE ON ARCHITECTURAL DRAWINGS. 2-#5 HORIZONTAL AT TOP OF ALL WALLS, AND AT BOND BEAMS CONNECTED TO FLOORS AND ROOFS, UNLESS OTHERWISE INDICATED. 2-#6 VERTICAL BARS AT ENDS OF ALL WALLS, AND EACH SIDE OF CONTROL JOINTS. STANDARD LADAR TYPE DESIGN (OUR-O-WAL) HORIZONTAL REINFORCING @ 16" O.C. VERTICAL. SIDE WIRE SIZE SHALL BE #9 GAGE WIRE.

3. ALL OTHER PARTITION MASONRY WALLS SHALL CONTAIN THE FOLLOWING MINIMUM REINFORCING: 1-#4 VERTICAL BAR AT 48" ON CENTER. 1-#4 VERTICAL AND HORIZONTAL AT ALL SIDES OF DOORS, WINDOW AND MECHANICAL OPENINGS. 1-#4 HORIZONTAL BAR MINIMUM ABOVE AND BELOW ALL WINDOW AND MECHANICAL OPENINGS AND ABOVE ALL DOOR OPENINGS. PROVIDE ADDITIONAL BARS ABOVE DOORS, WINDOWS AND MECHANICAL OPENINGS AS REQUIRED IN ACCORDANCE WITH UNTEL SCHEDULE ON ARCHITECTURAL DRAWINGS. 1-#4 VERTICAL AT ENDS OF ALL WALLS, AND EACH SIDE OF CONTROL JOINTS. 1-#4 HORIZONTAL AT TOP OF ALL WALLS. 1-#4 HORIZONTAL IN BOND BEAMS CONNECTED TO FLOORS AND ROOFS.

STANDARD LADAR TYPE DESIGN (OUR-O-WAL) HORIZONTAL REINFORCING @ 16" O.C. VERTICAL. SIDE WIRE SIZE SHALL BE #9 GAGE WIRE.

4. PROVIDE VERTICAL DOWELS FROM CONCRETE WALLS INTO ALL CMU WALLS. SIZE AND SPACING OF THE DOWELS SHALL MATCH THE VERTICAL REINFORCING AS SPECIFIED IN THESE GENERAL NOTES, UNLESS OTHERWISE NOTED ON THE DRAWINGS. DOWEL LENGTHS SHALL BE THE REQUIRED CONCRETE DEVELOPMENT LENGTH PLUS THE REQUIRED BAR LAP SPICE LENGTH FOR MASONRY AS SPECIFIED IN THESE GENERAL NOTES.

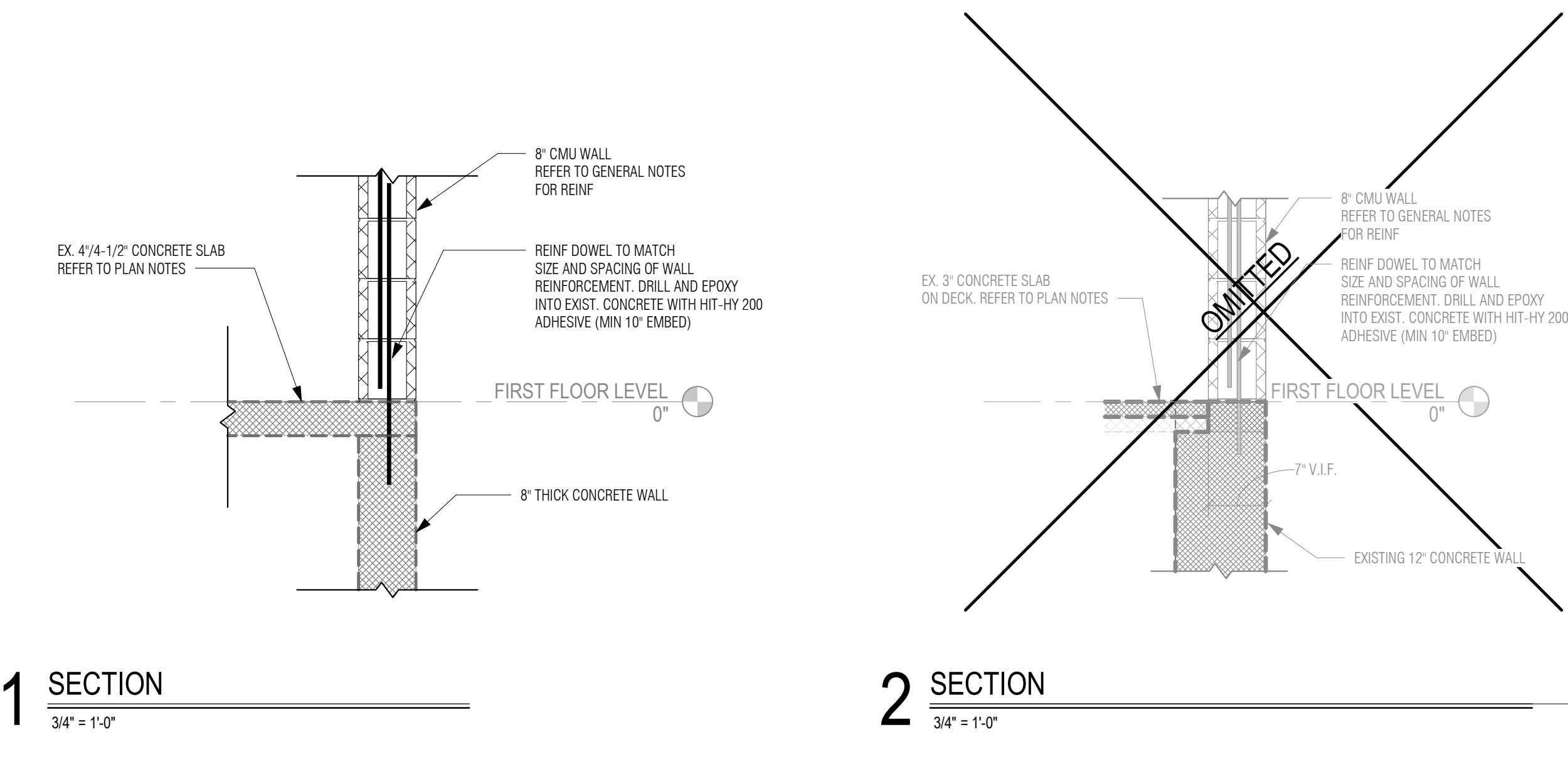
5. ALL VERTICAL WALL REINFORCING SHALL BE CONTINUOUS FOR THE FULL HEIGHT OF MASONRY WALLS, INCLUDING THROUGH CONTINUOUS MASONRY BOND BEAMS UNLESS OTHERWISE INDICATED.

6. ALL GROUTING OF MASONRY WALLS SHALL BE ASSUMED TO BE COMPLETED BY LOW LIFT GROUTING METHODS. IF THE CONTRACTOR PROPOSES TO UTILIZE HIGH LIFT GROUTING METHODS THEY SHALL SUBMIT THEIR PROPOSED GROUTING PROCEDURE FOR REVIEW PRIOR TO STARTING ANY GROUTING ON THE PROJECT SITE.

7. PROVIDE BOND BEAM OR STEEL LOOSE LINTELS ABOVE WINDOWS, DOORS AND MECHANICAL OPENINGS. IN EXISTING HOLLOW CMU WALLS, PROVIDE MINIMUM LxS3 1/2 X 3/8 FOR EACH 4 INCHES OF CMU WITH A MINIMUM 8 INCHES OF BEARING.

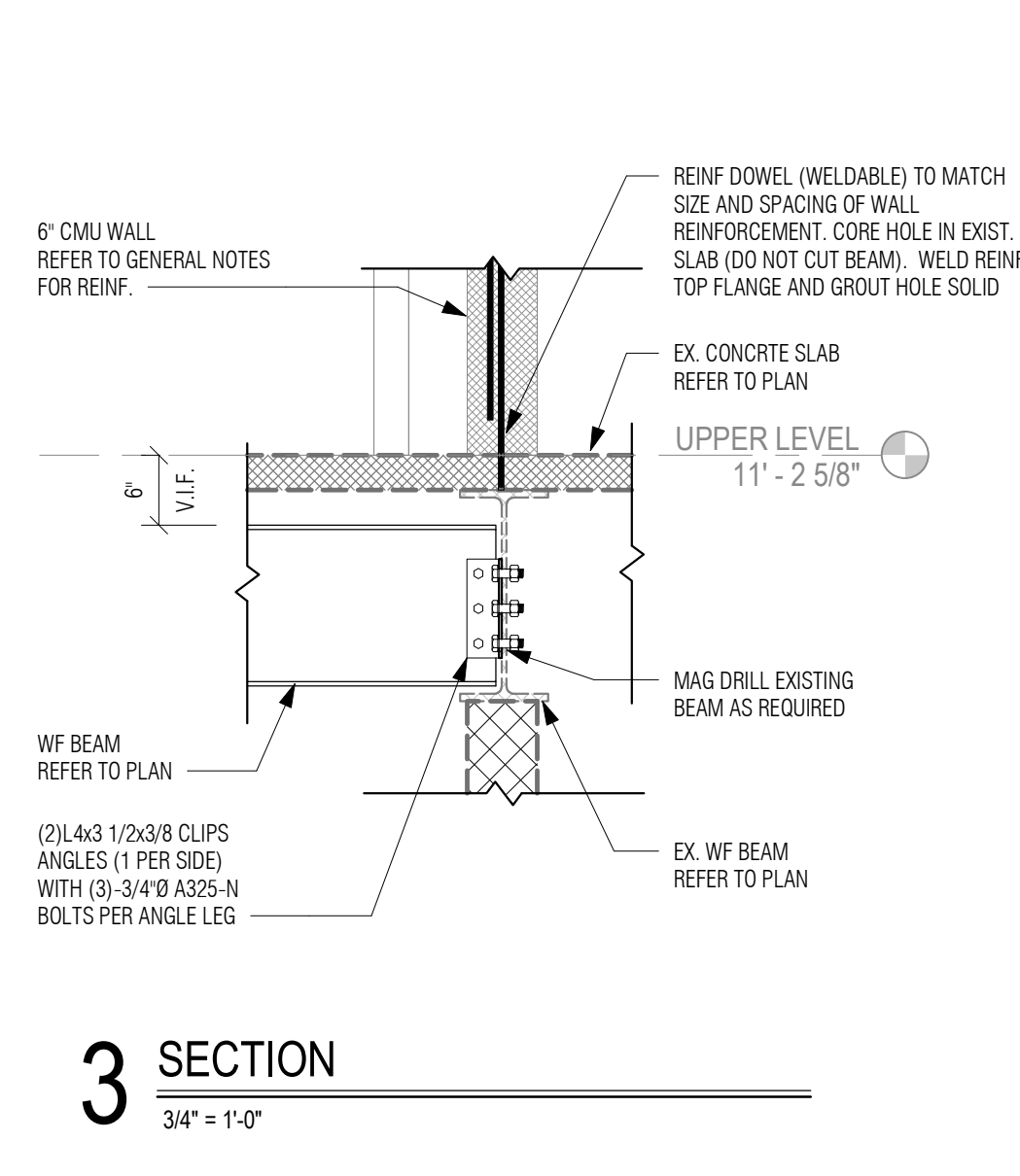
8. BOND BEAM LINTELS SHALL BE CONSTRUCTED USING SOLID BOTTOM "U" BLOCK MASONRY UNITS.

9. CELLS CONTAINING REINFORCING BARS AND

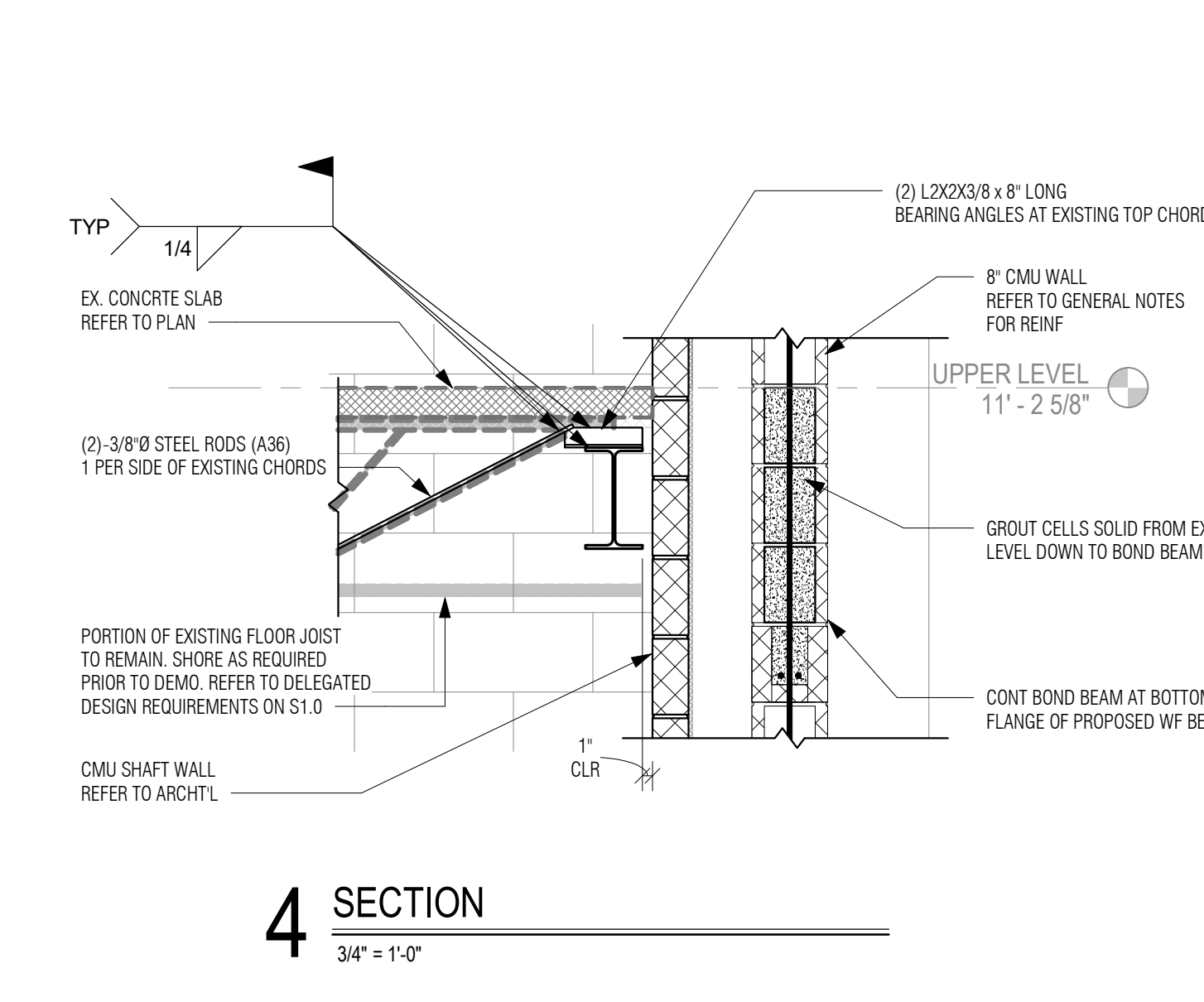


1 SECTION
3/4" = 1'-0"

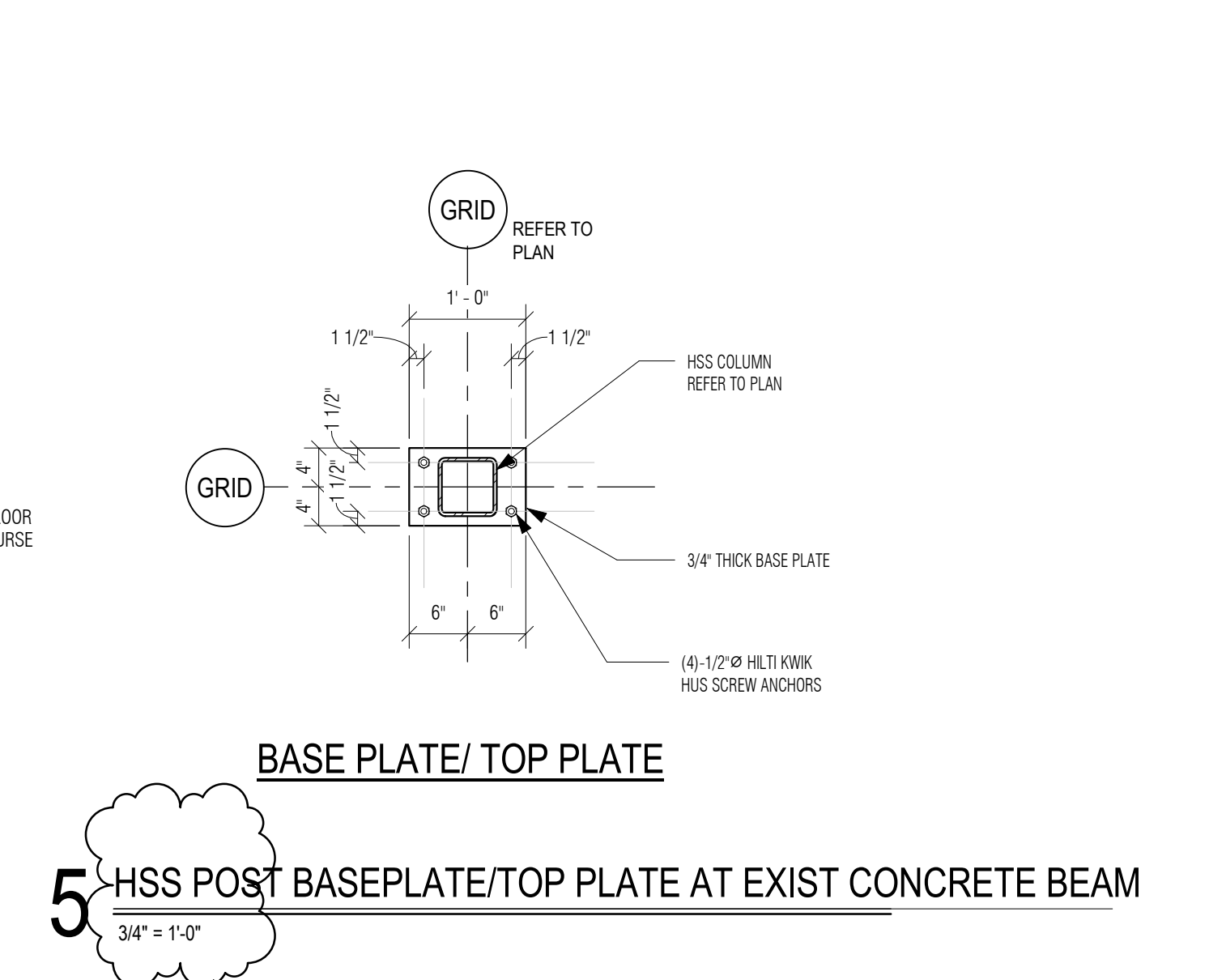
2 SECTION
3/4" = 1'-0"



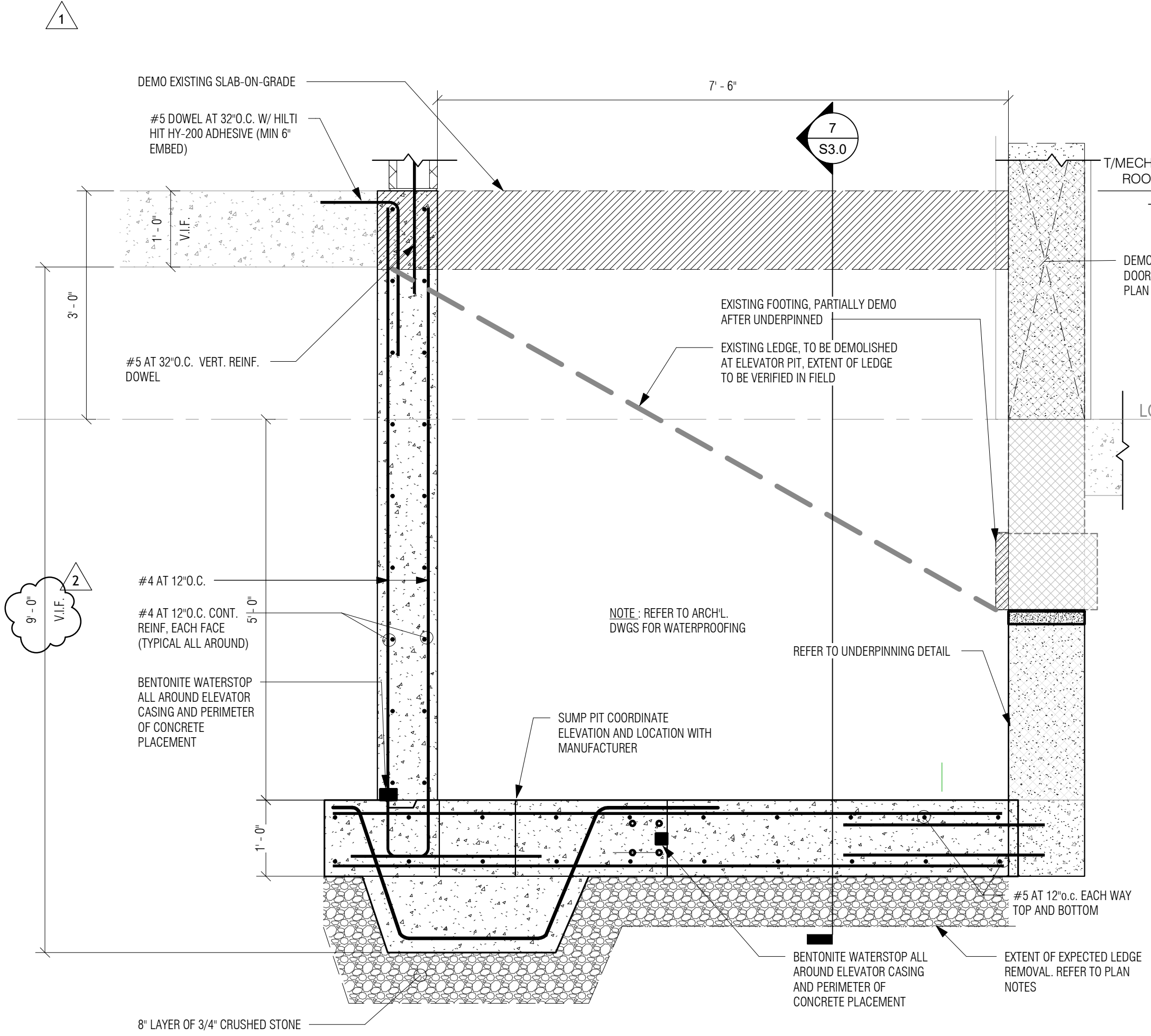
3 SECTION
3/4" = 1'-0"



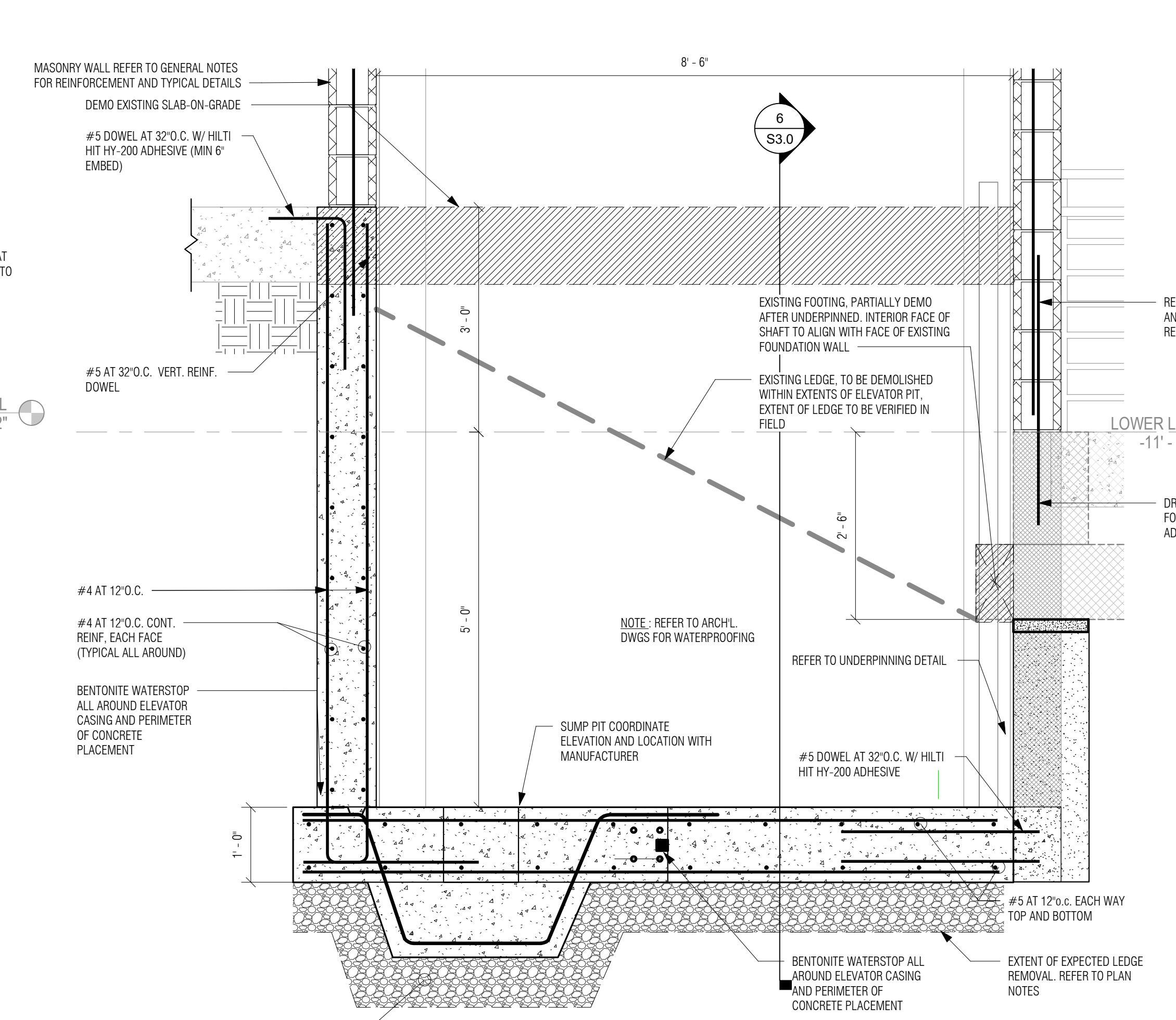
4 SECTION
3/4" = 1'-0"



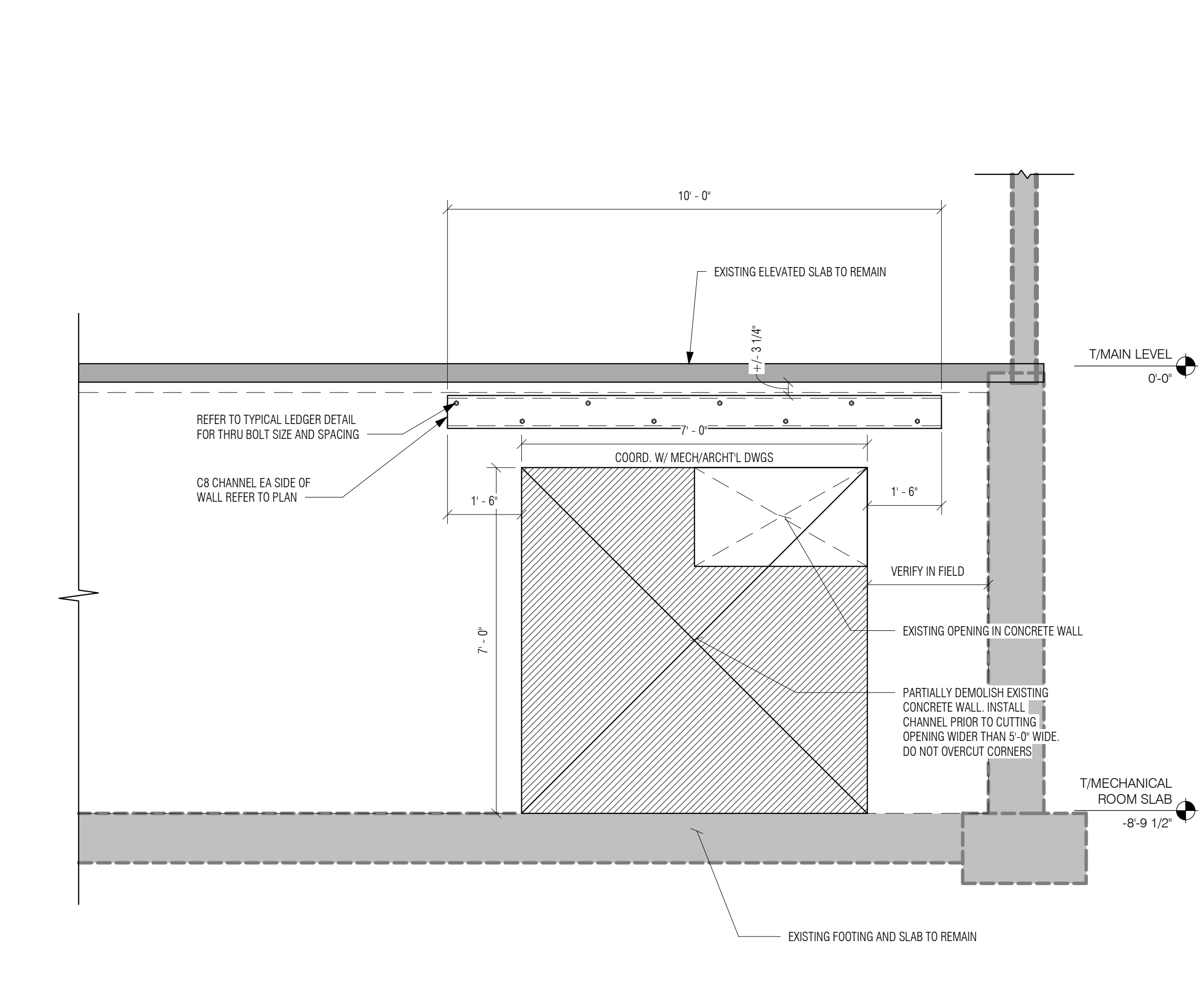
5 HSS POST BASEPLATE/TOP PLATE AT EXIST CONCRETE BEAM
3/4" = 1'-0"



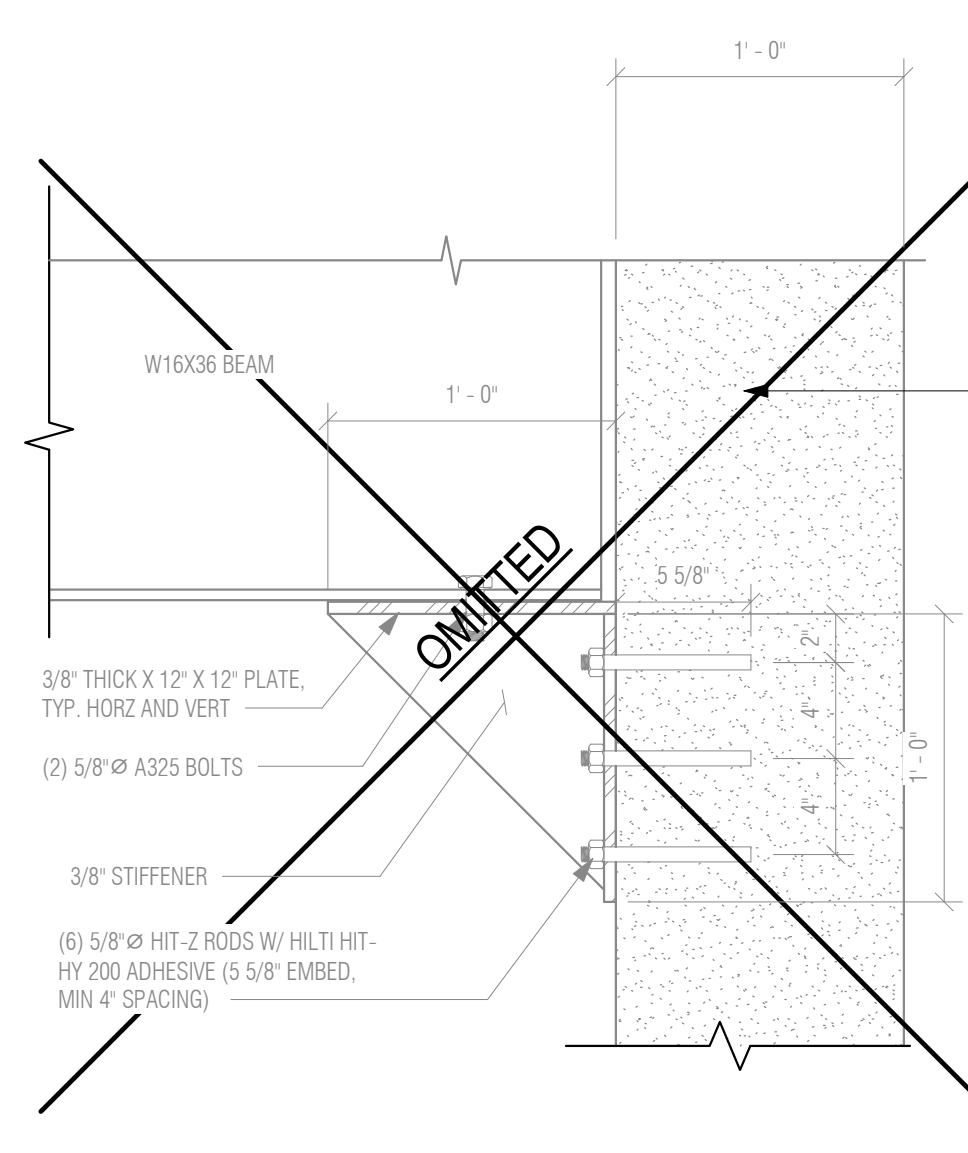
6 SECTION
3/4" = 1'-0"



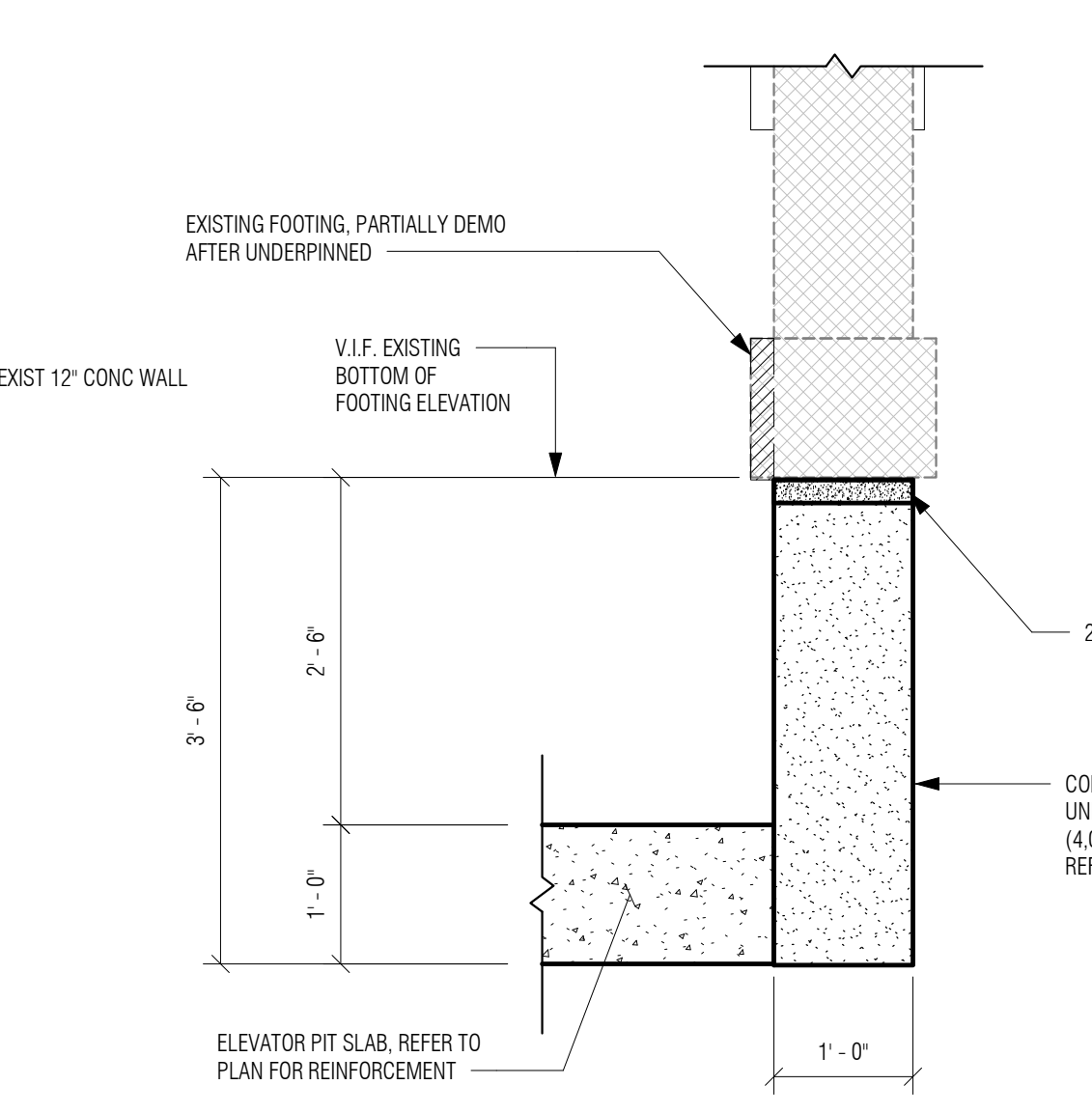
7 SECTION
3/4" = 1'-0"



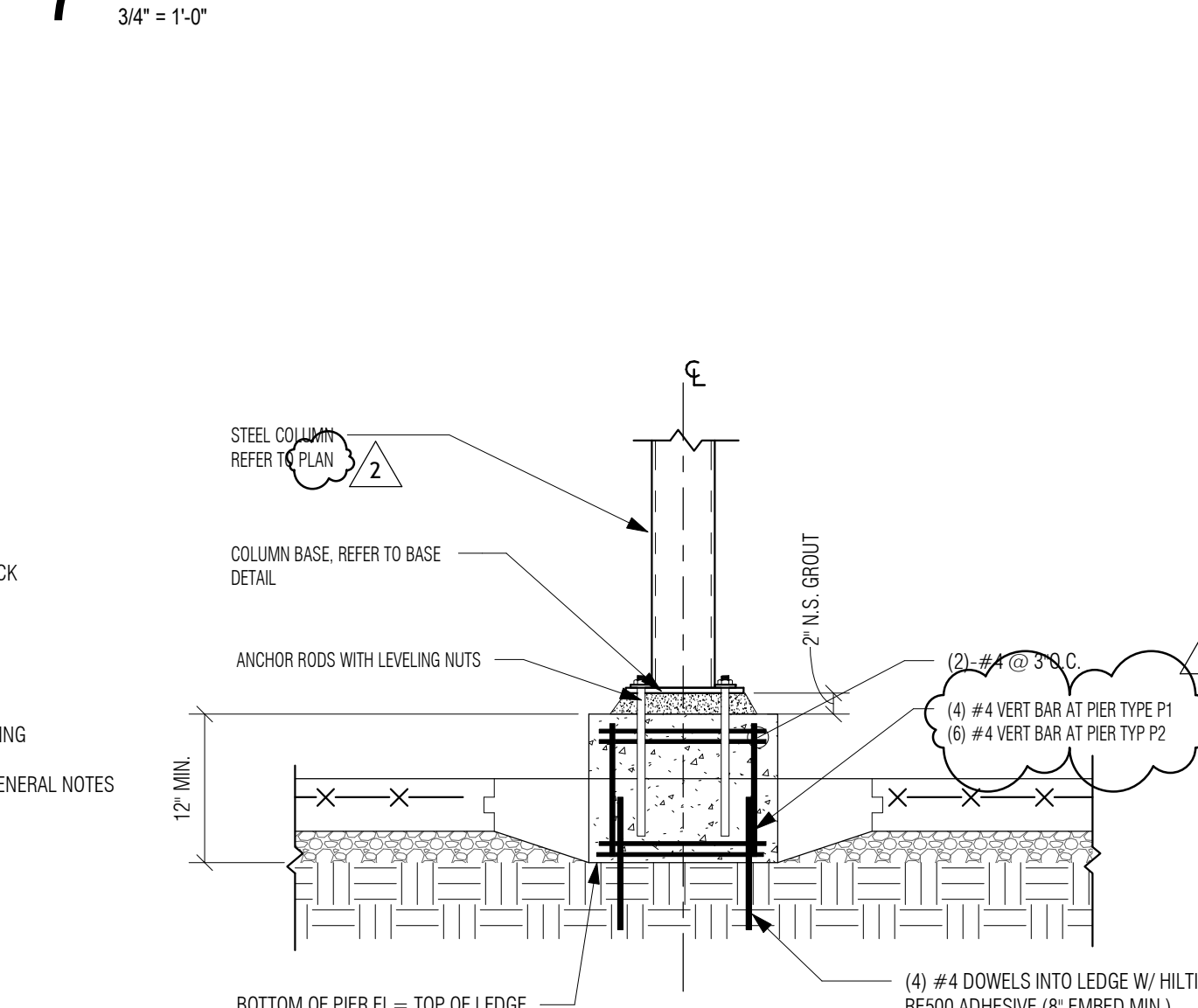
8 SECTION
1/2" = 1'-0"



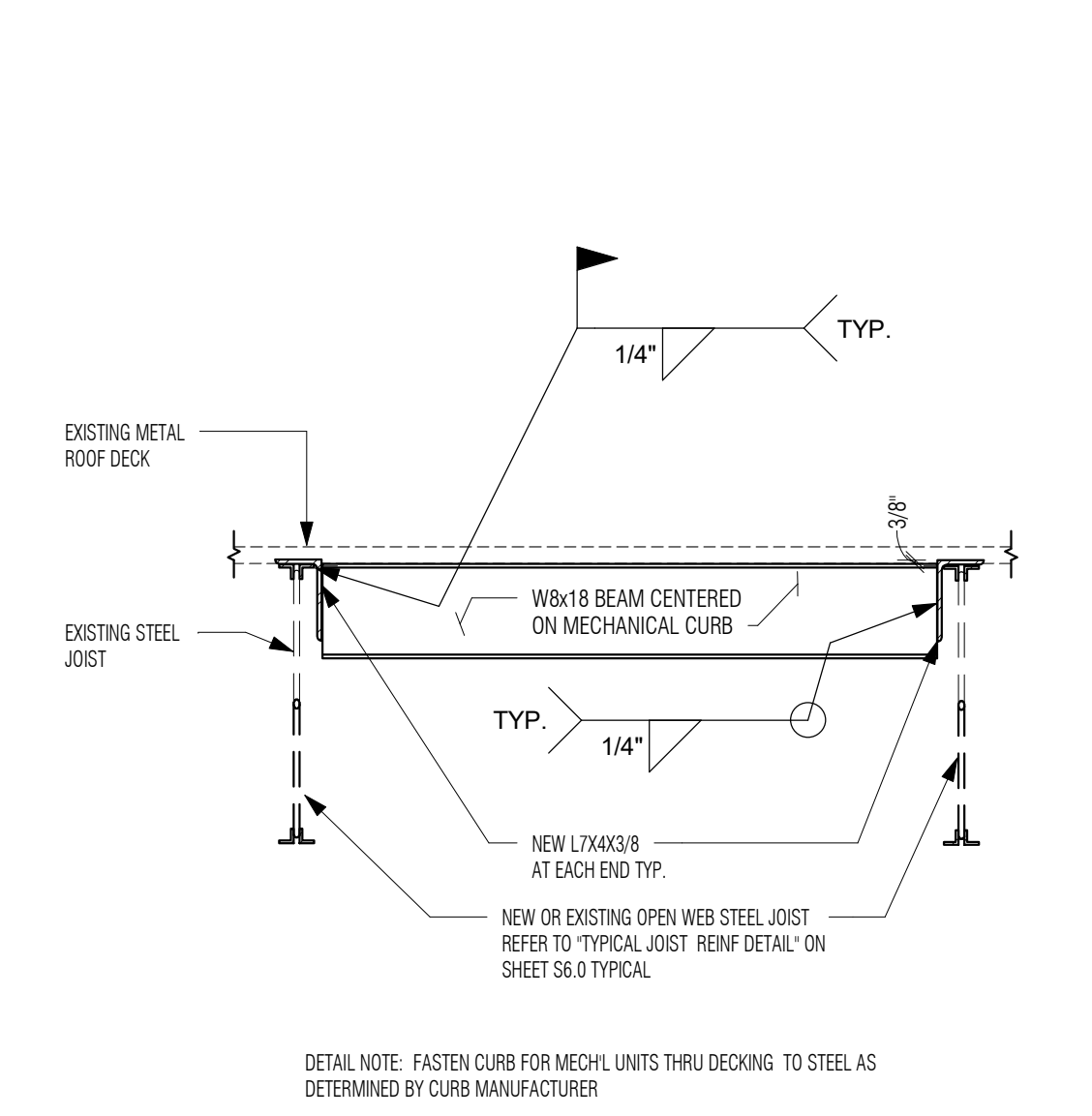
9 SECTION
1 1/2" = 1'-0"



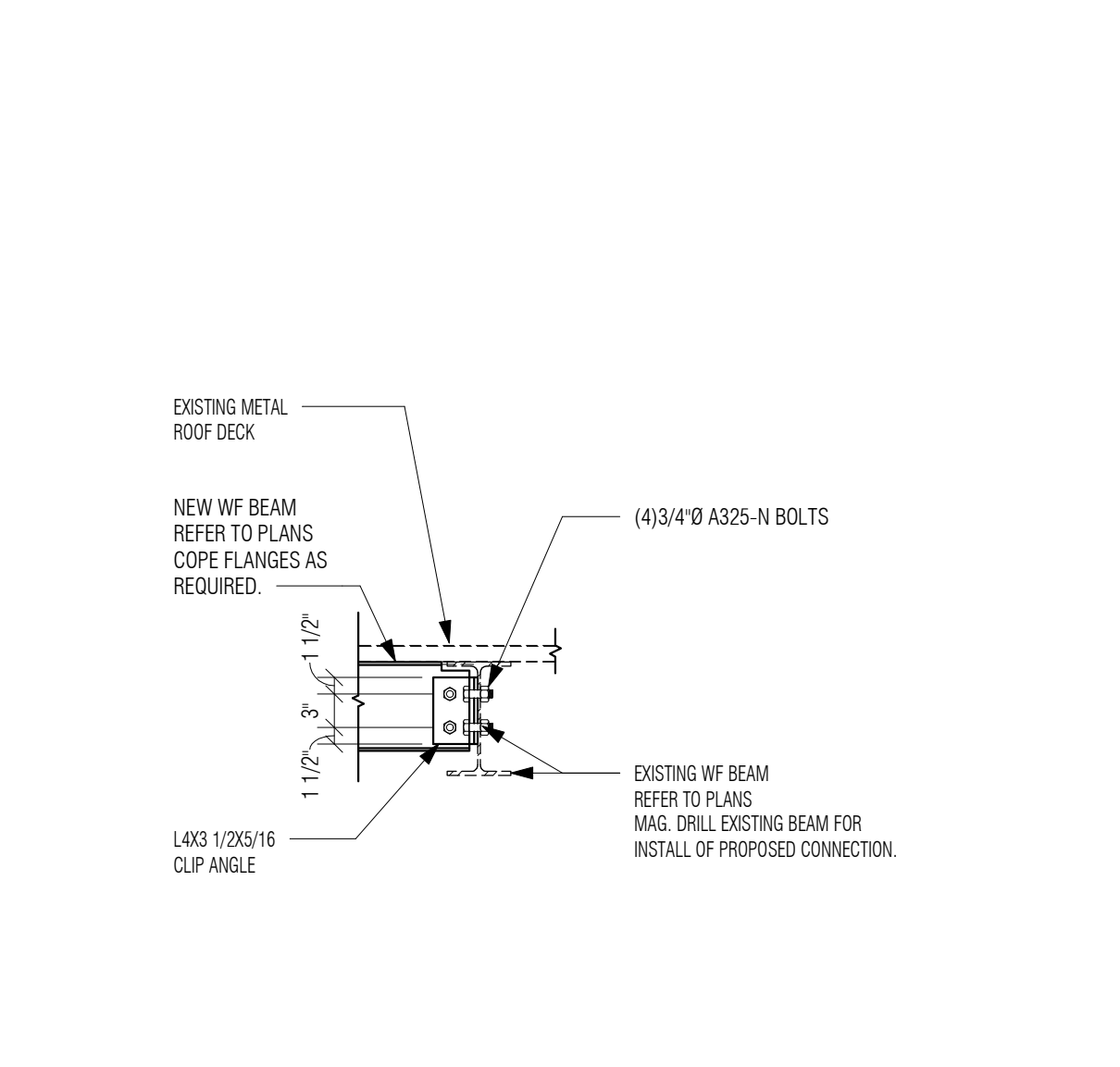
10 UNDERPINNING SECTION
3/4" = 1'-0"



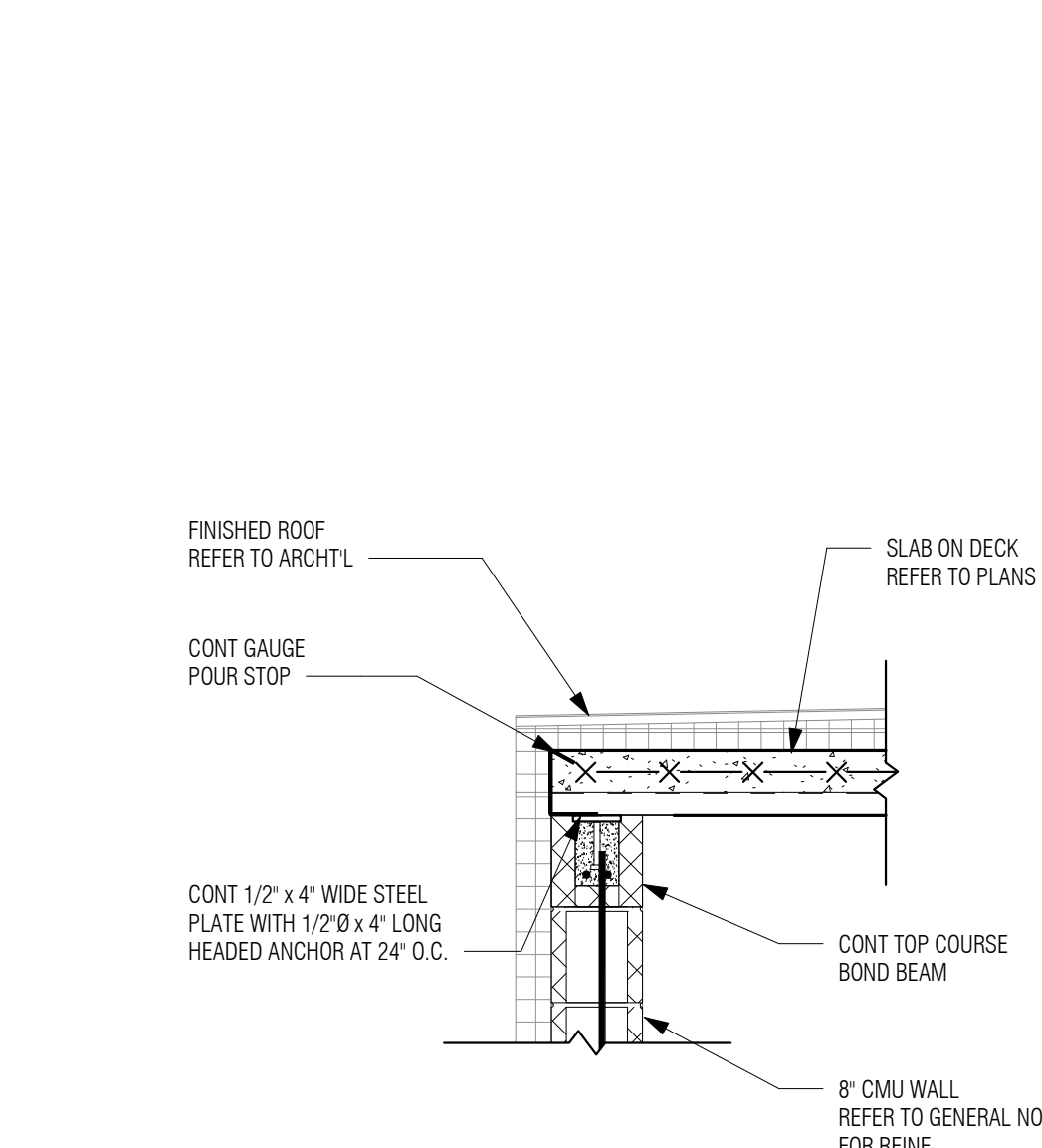
11 TYPICAL COLUMN PIER DETAIL
3/4" = 1'-0"



12 TYPICAL ROOF TOP EQUIPMENT SUPPORT (AT STEEL JOIST)
3/4" = 1'-0"



13 TYPICAL NEW BEAM TO EXISTING BEAM CONNECTION
3/4" = 1'-0"



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

Project Title:
**ADA IMPROVEMENTS / ELEVATOR ADDITION AT:
WESTERN MIDDLE SCHOOL**
1 WESTERN JR HIGHWAY
GREENWICH CT 06830

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision	Description	Date	Revised By
1	ADDENDUM #3	03/05/25	LAA
2	ADDENDUM #6	04/07/26	LVP

MHAI
Michael Horton
Associates Inc.
Consulting Structural Engineers
780 East Main Street
Branford, Connecticut 06405
203-481-8600 mhai-eng.com

Drawing Title:
SECTIONS

Project Submitted:
ISSUED FOR BID

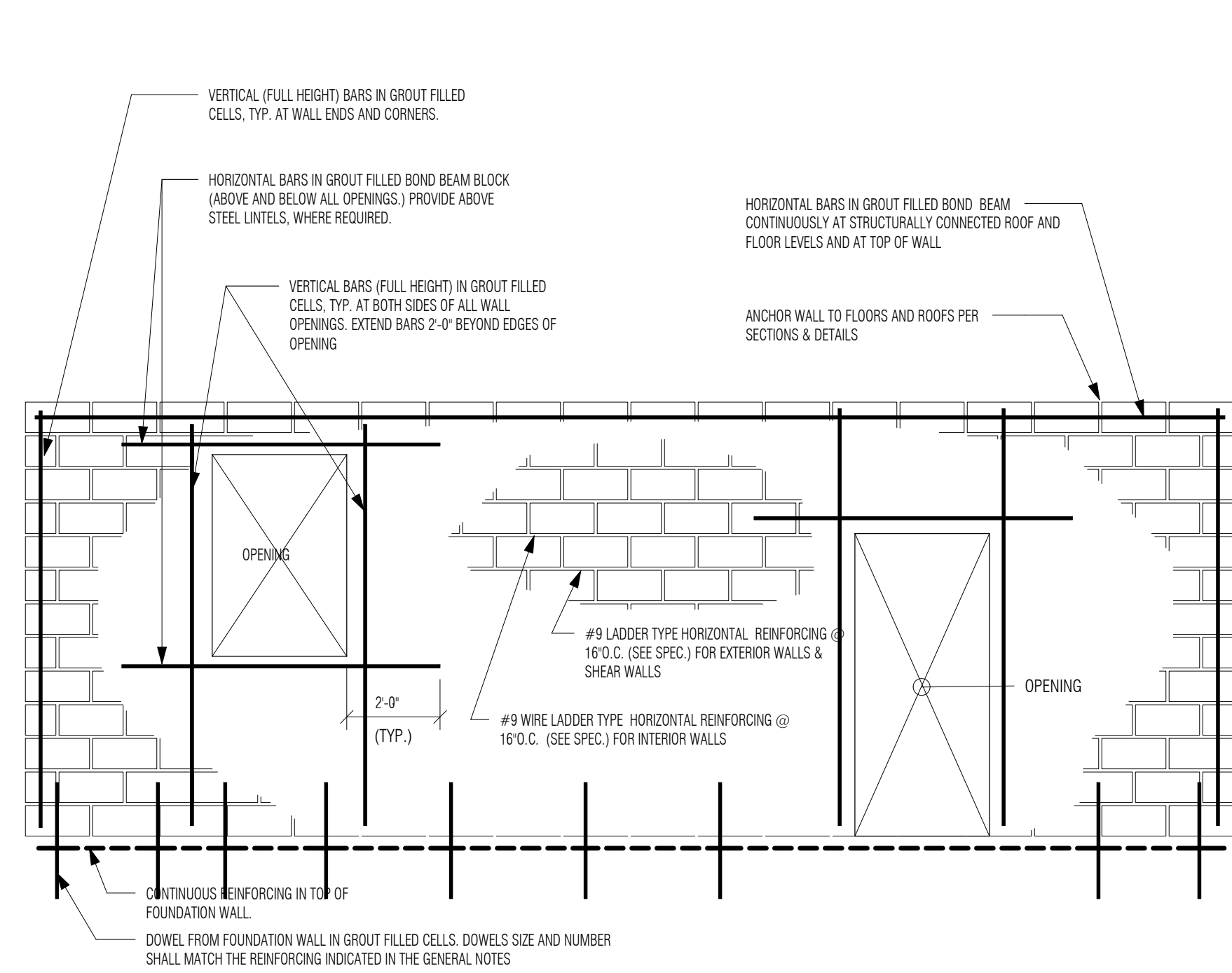
Date:
01/30/2026

Scale:
As Indicated

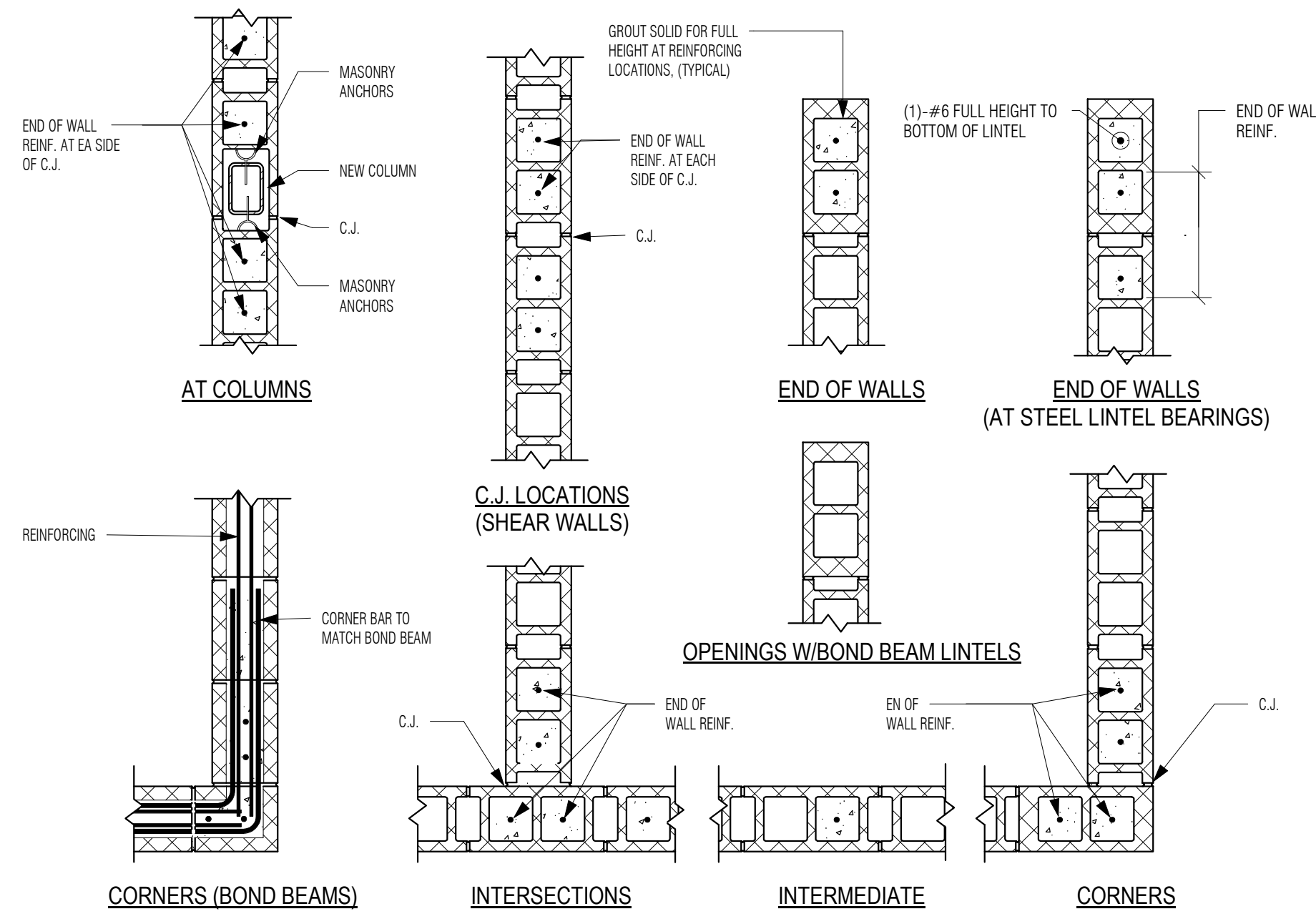
Drawn By:
AC/LA

Project Number:
23.097

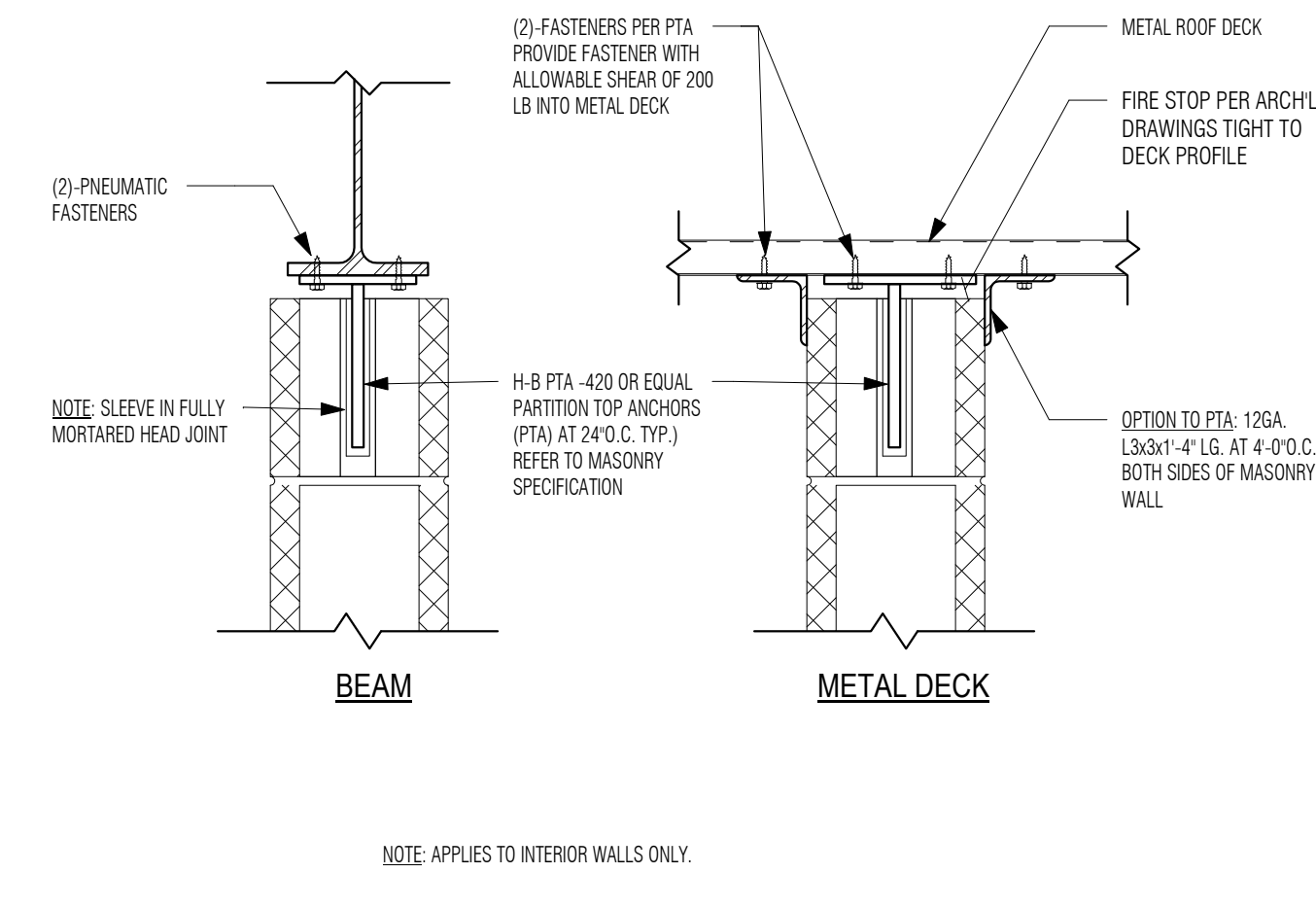
Drawing Number:
S3.0



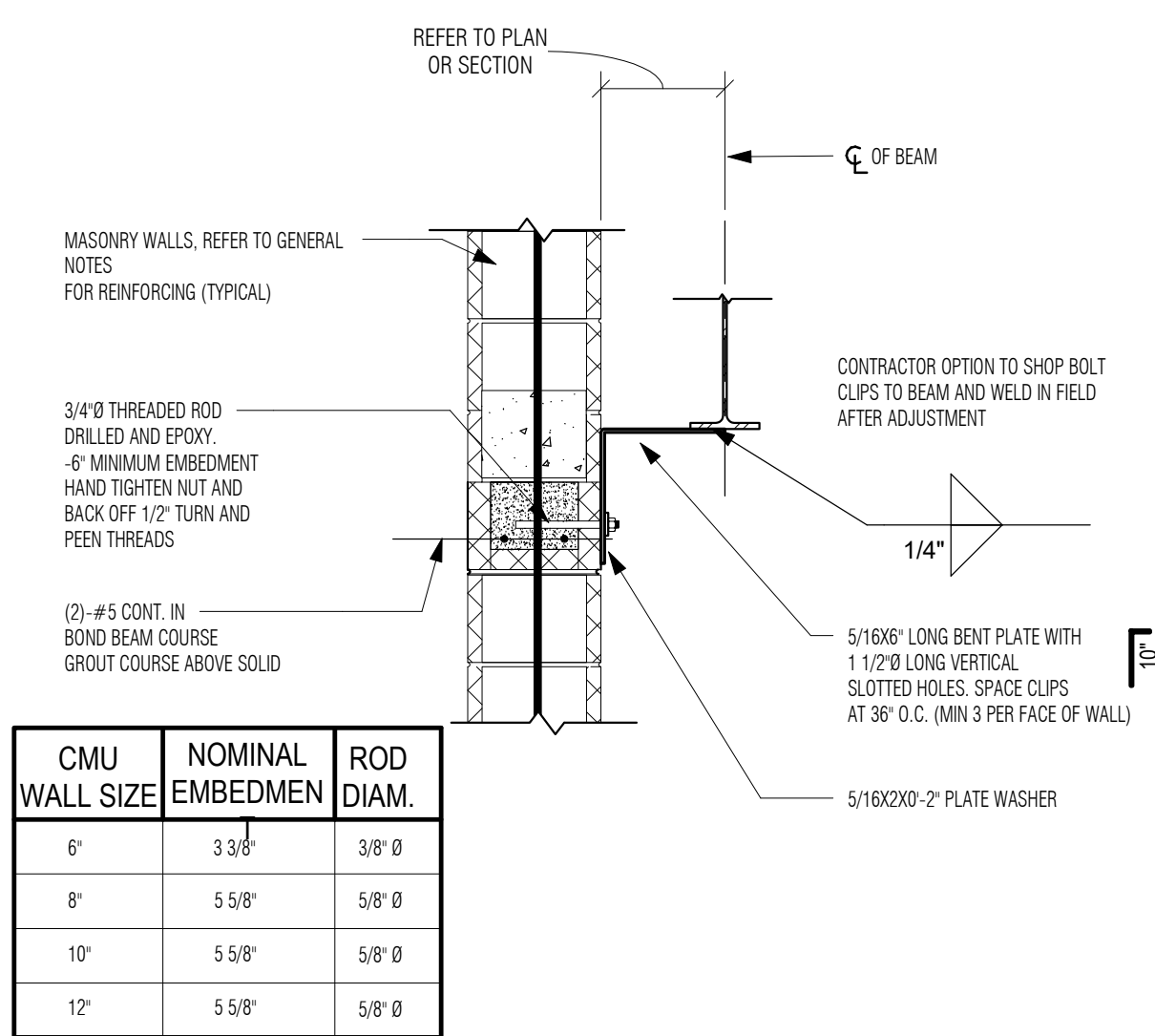
1 TYPICAL CMU WALL REINFORCEMENT DETAIL
3/4" x 1'-0"



2 TYPICAL CMU REINFORCING PLAN DETAILS
3/4" x 1'-0"

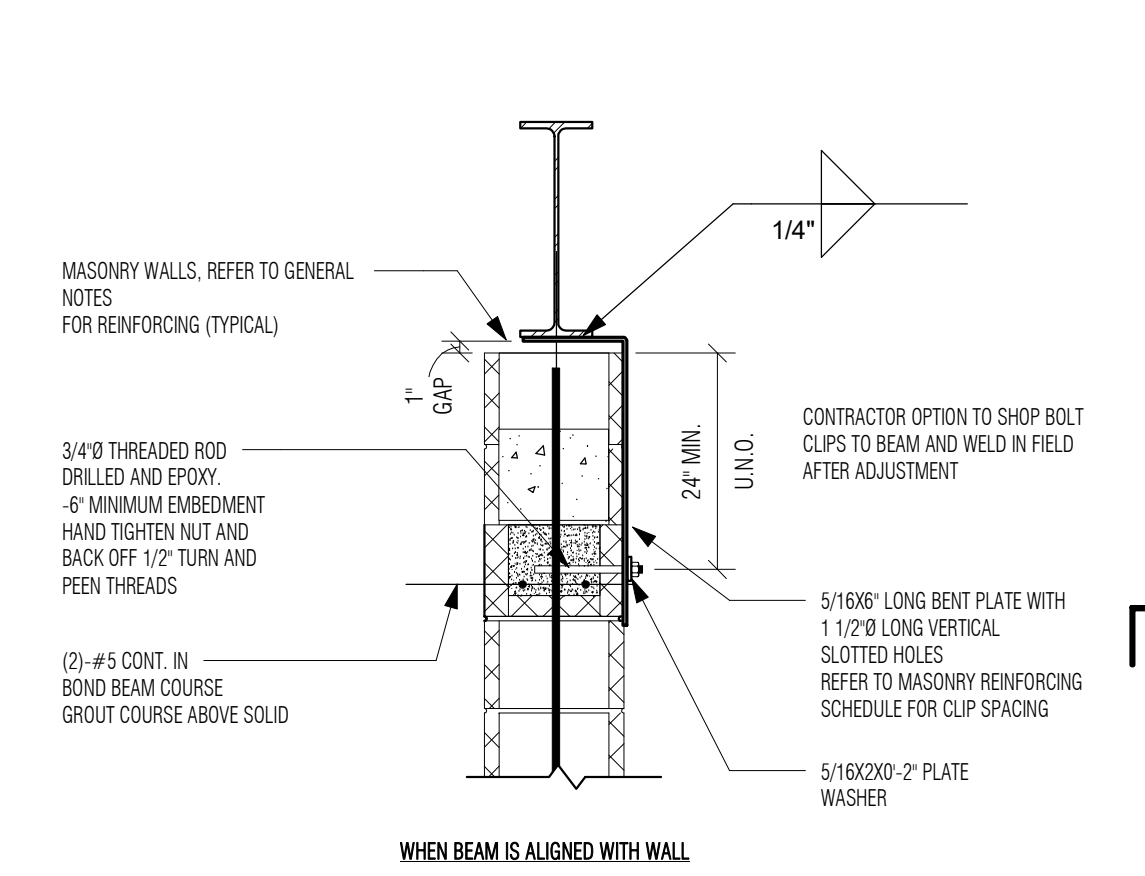


3 TYPICAL TOP OF WALL MASONRY ANCHORAGE TO STEEL
1 1/2" x 1'-0"

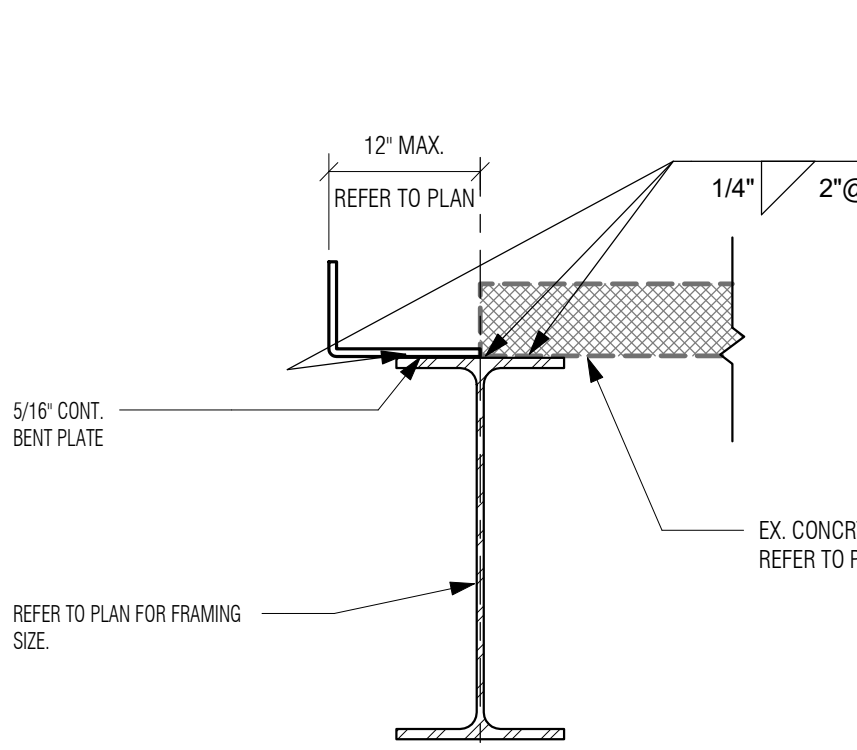


CMU WALL SIZE	NOMINAL EMBEDMENT	ROD DIAM.
6"	3 3/8"	3/8" Ø
8"	5 5/8"	5/8" Ø
10"	5 5/8"	5/8" Ø
12"	5 5/8"	5/8" Ø

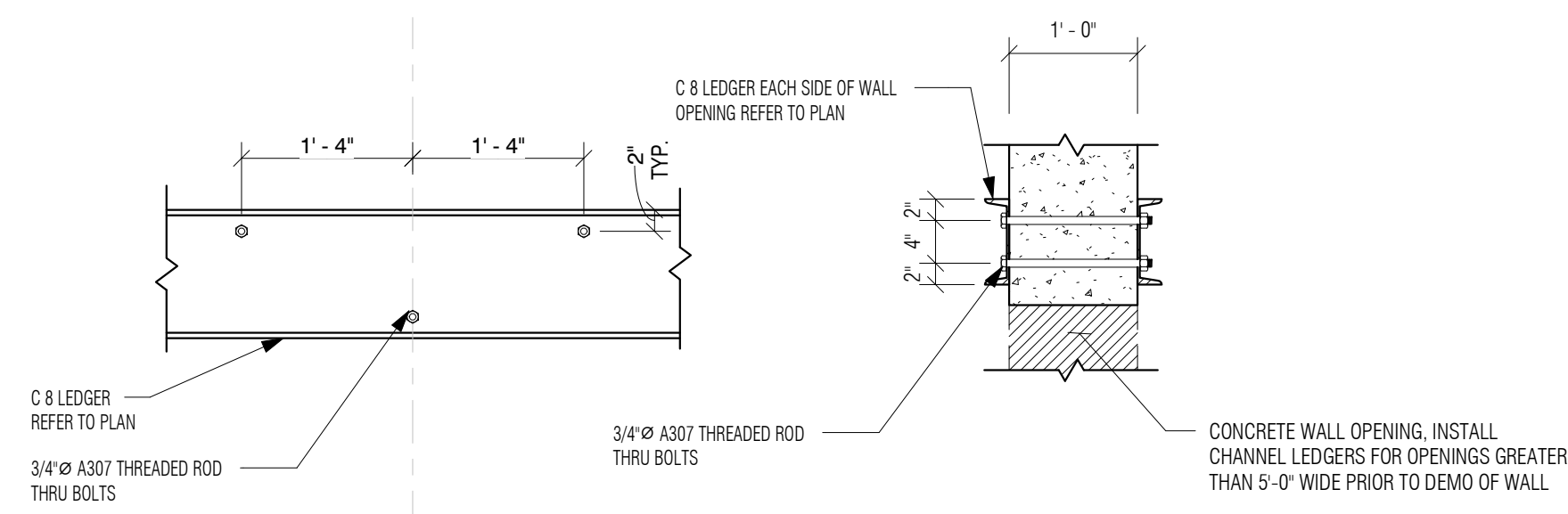
4 TYPICAL BEAM TO MASONRY CONNECTION
3/4" x 1'-0"



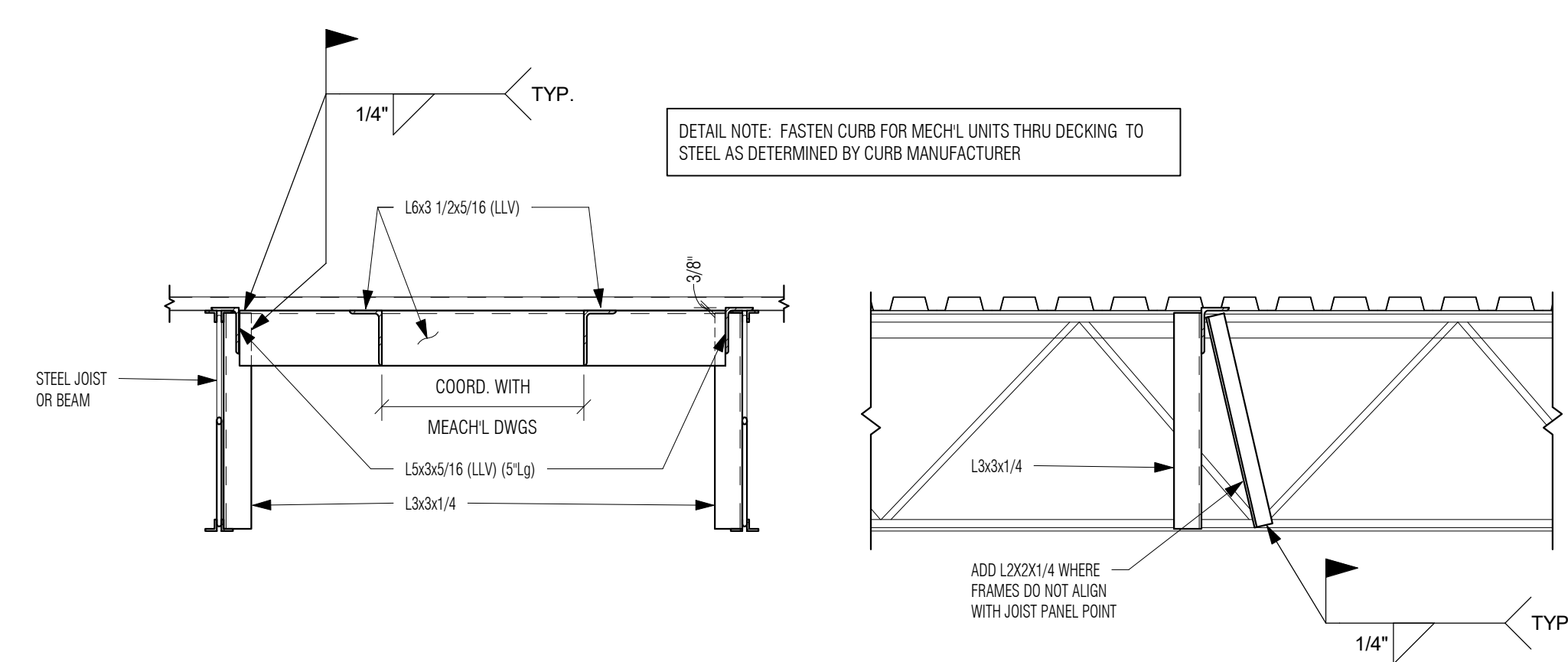
5 TYPICAL BENT PLATE AT SLAB EDGE
1 1/2" x 1'-0"



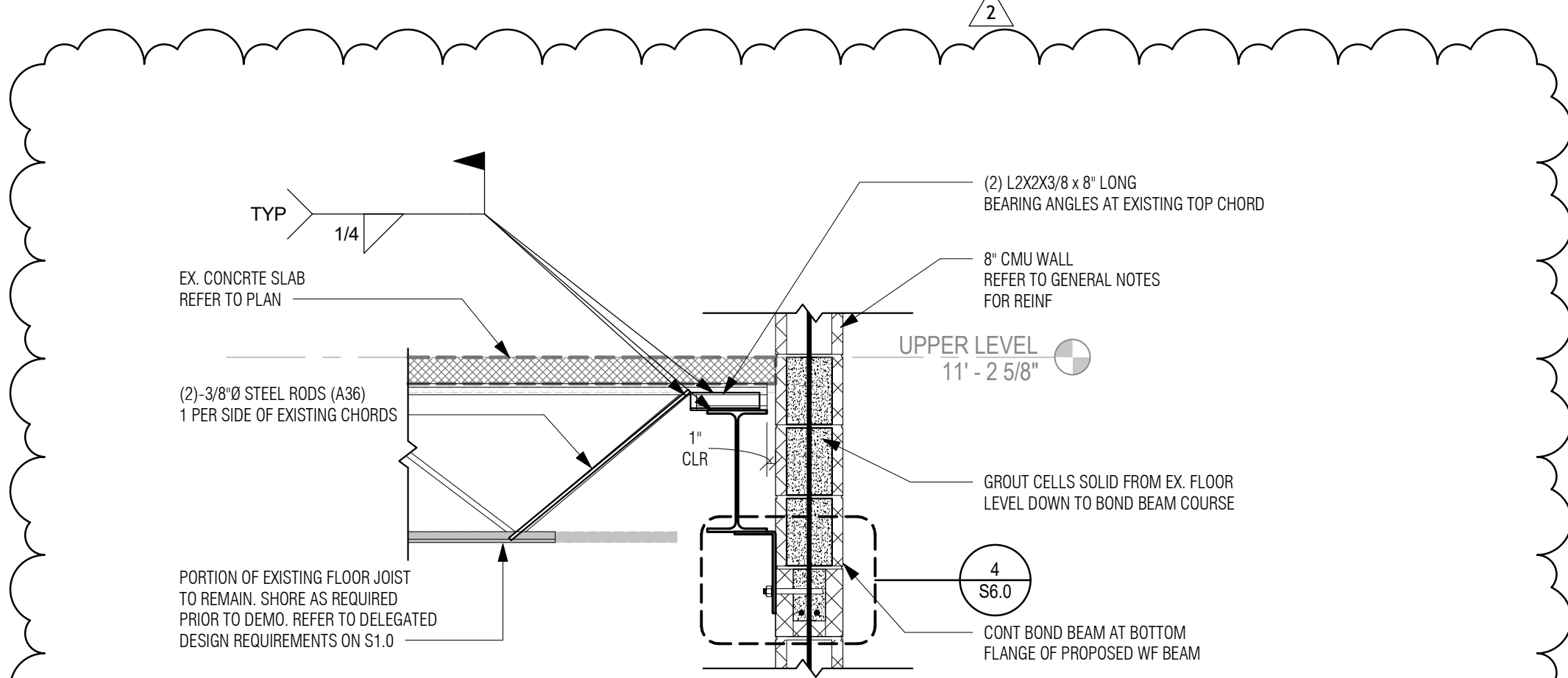
6 TYPICAL BEAM BEARING PLATE AT NEW CMU
3/4" x 1'-0"



8 TYPICAL LEDGER BOLTING DETAIL
3/4" x 1'-0"



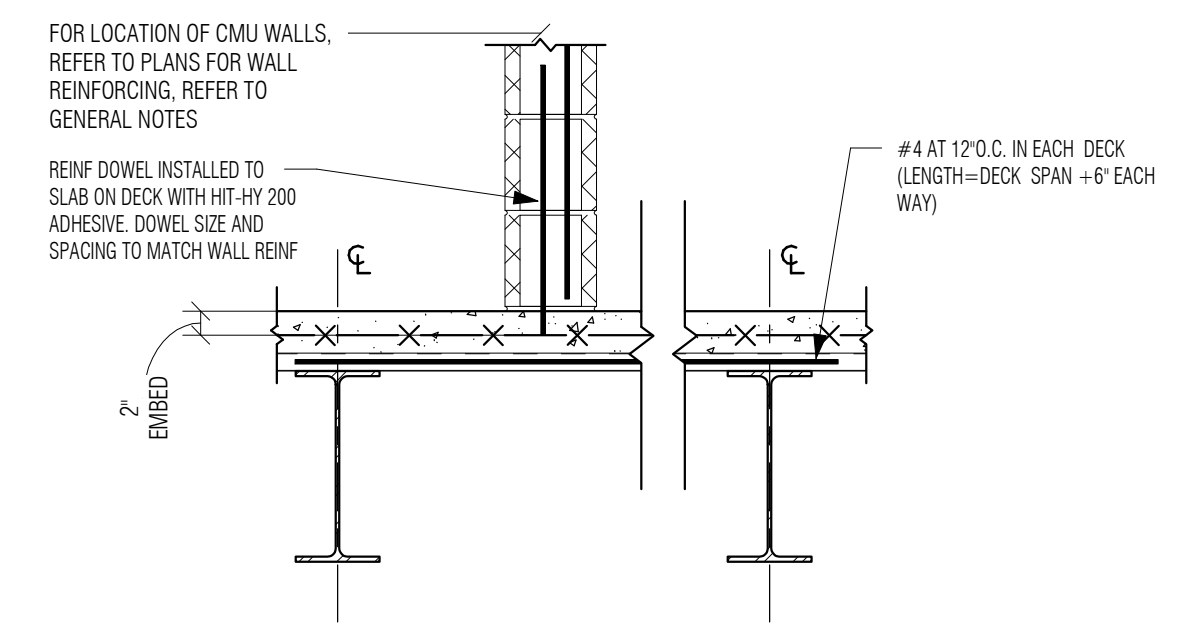
7 TYPICAL NEW ROOF OPENING DETAIL WITH JOISTS & TYPICAL JOIST REINF. DETAIL
3/4" x 1'-0"



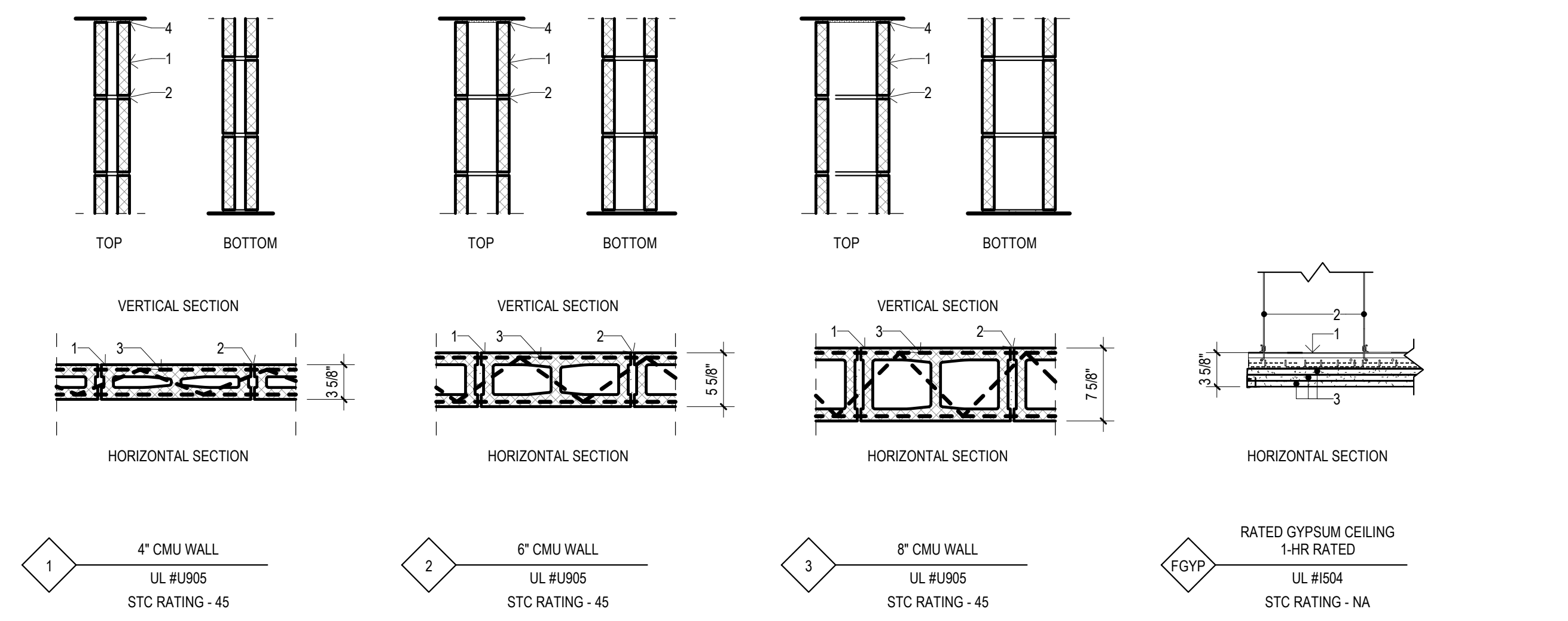
9 SECTION
3/4" x 1'-0"

MASONRY LINTEL SCHEDULE			
MARK	CMU	OPENING WIDTH	LINTEL
	10' & 12' BLOCK	6'-1" TO 12'-0"	(2)-#6 CONT. TOP AND BOTTOM 1'-4"
	10' & 12' BLOCK	UP TO 6'-0"	(2)-#5 CONT. 8"
	8' BLOCK	UP TO 5'-0"	(2)-#5 CONT. 8"
	8' BLOCK	5'-1" TO 10'-0"	(2)-#6 CONT. TOP AND BOTTOM 1'-4"
	6' BLOCK	UP TO 6'-0"	(1)-#5 CONT. 8"
	INTERIOR # MASONRY	UP TO 6'-0"	LSX3 1/2X5/16 (4" MIN. BEARING)
	INTERIOR # MASONRY	6'-0" TO 10'-0"	L7X4X3/8 (4" MIN. BEARING)

NOTE:
1. PROVIDE LINTELS WHERE NEEDED, NOT SHOWN ON THE DRAWINGS.
2. ALL EXTERIOR STEEL SHALL BE HOT DIPPED GALVANIZED.
3. COORDINATE ALL OPENINGS WITH ARCHT & MECH DRAWINGS.
4. GROUT ALL JAMBS SOLID PER TYPICAL CMU WALL REINF. DETAILS.
5. ALL CMU BOND BEAMS SHALL HAVE SOLID BOTTOM 1" BLOCK AS BOTTOM COURSE.



10 TYP. DETAIL OF CMU PARTITION ON SUPPORTED SLAB
3/4" x 1'-0"

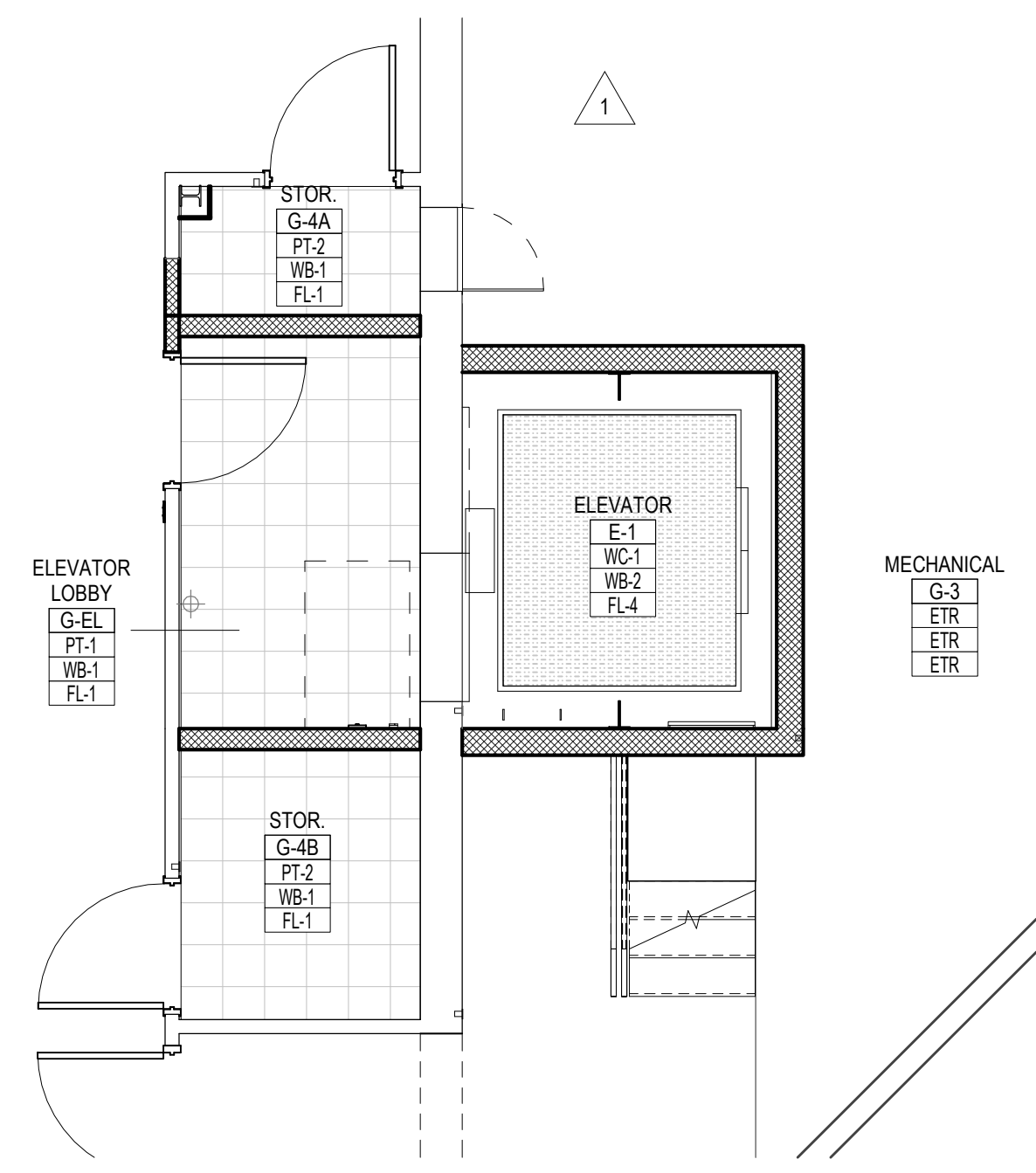


PARTITION TYPES

1" = 1'-0"

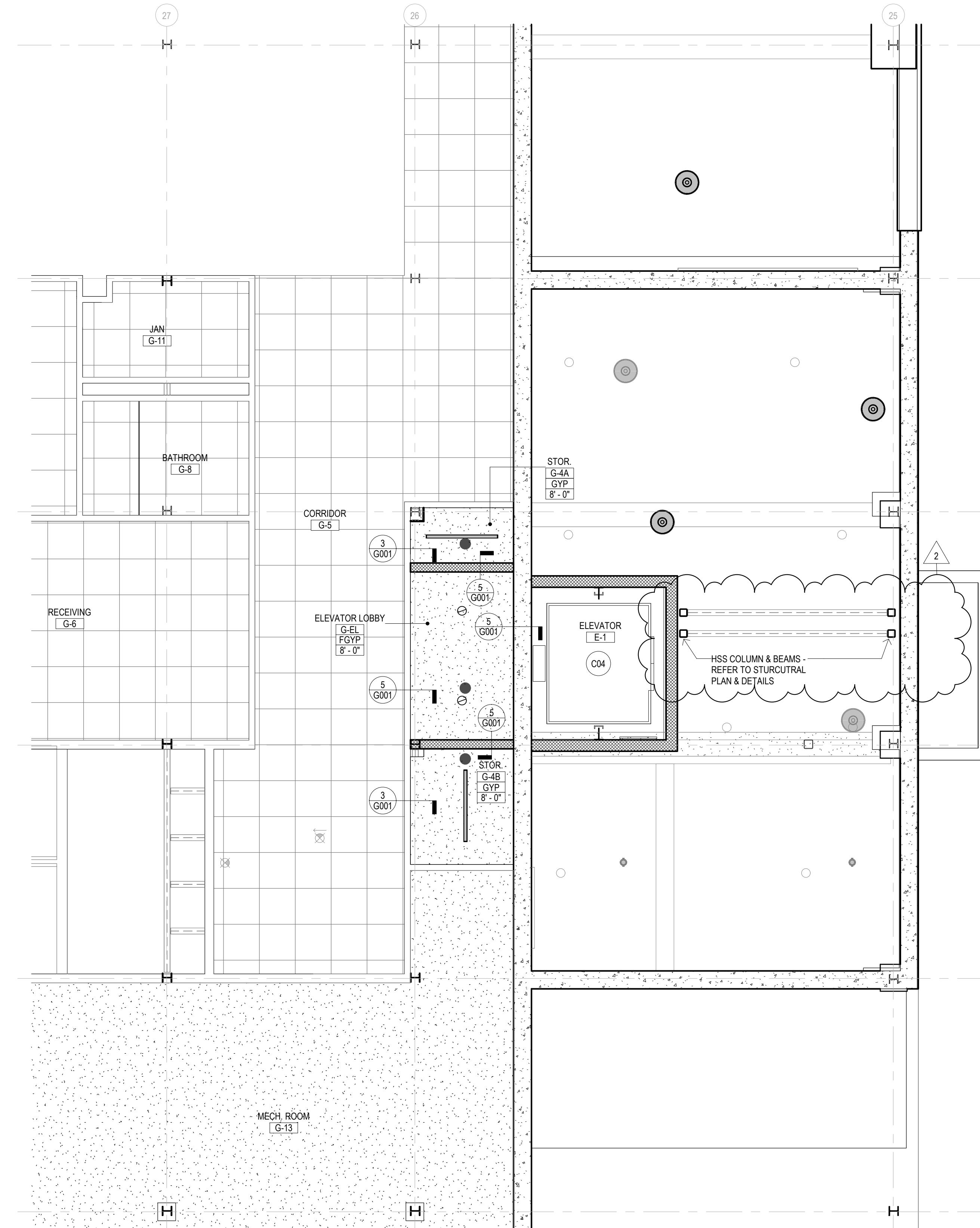
- CONCRETE BLOCK CLASSIFICATION D-2
- MORTAR 3/8" THICK FULL BED
- HORIZONTAL REINFORCING @ 16" O.C. VERT.
- FIRE SAFING

- SUSPENDED DRYWALL GRID SYSTEM W MAIN BEAMS @ 48" O.C.
- HANGERS @ 2'-0" O.C. (MAIN SECURED TO STRUCTURE ABOVE)
- 5/8" TYPE "X" GYPSUM WALL BOARD, PAINTED
- FIRE SAFING



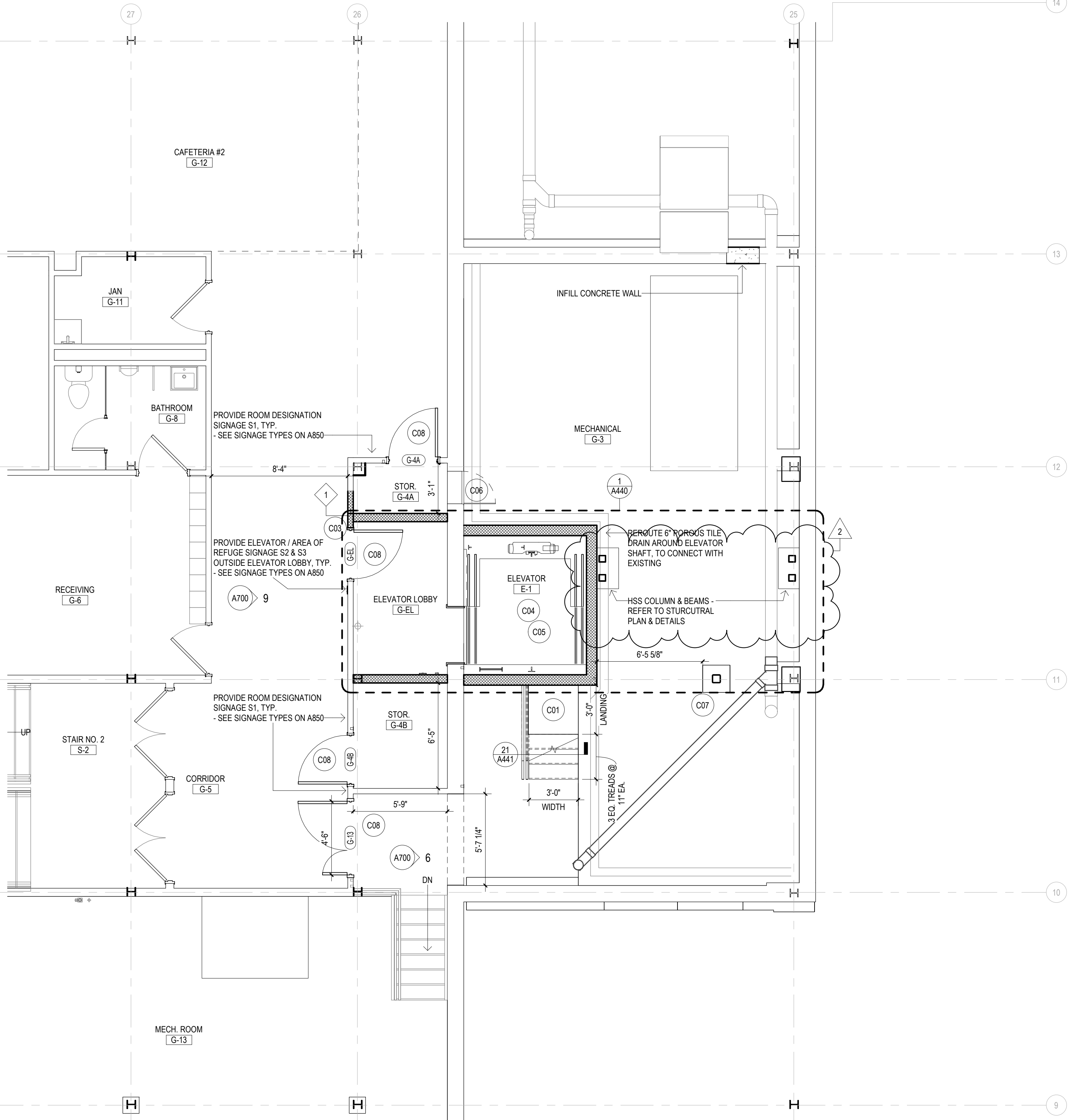
3 LOWER LEVEL FINISH PLAN

1/4" = 1'-0"



2 LOWER LEVEL RCP

1/4" = 1'-0"



1 LOWER LEVEL PLAN

1/4" = 1'-0"

SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- EXISTING WALL
- (E 101 A) - DOOR NUMBER
- XX - WINDOW TYPE
- ROOM NAME - ROOM NAME
- ### - ROOM NUMBER
- 1A - PARTITION TYPE
- Cxx - CONSTRUCTION NOTE
- 2 - EXTERIOR ELEVATION NUMBER
- A101 - SHEET NUMBER
- 2 - INTERIOR ELEVATION NUMBER
- A101 - SHEET NUMBER
- A400 - BUILDING SECTION NUMBER
- A400 - SHEET NUMBER
- 1 - WALL SECTION NUMBER
- A400 - SHEET NUMBER

- GENERAL NOTES**
- READ ALL GENERAL NOTES ON DRAWING G001.
 - INTERIOR PARTITION DIMENSIONS ARE FROM OUTSIDE FACE OF GWB, MASONRY, OR CONCRETE.
 - CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
 - PATCH TO MATCH ALL EXISTING WALLS AND CEILING TO REMAIN AFFECTED BY NEW WORK.
 - ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
 - PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
 - WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.

RCP SYMBOL LEGEND

ROOM CEILING TAG

ROOM NUMBER → ROOM NAME

ACT-1 → CEILING FINISH

CEILING HEIGHT → REFER TO PROJECT MANUAL SCHEDULE OF FINISHES

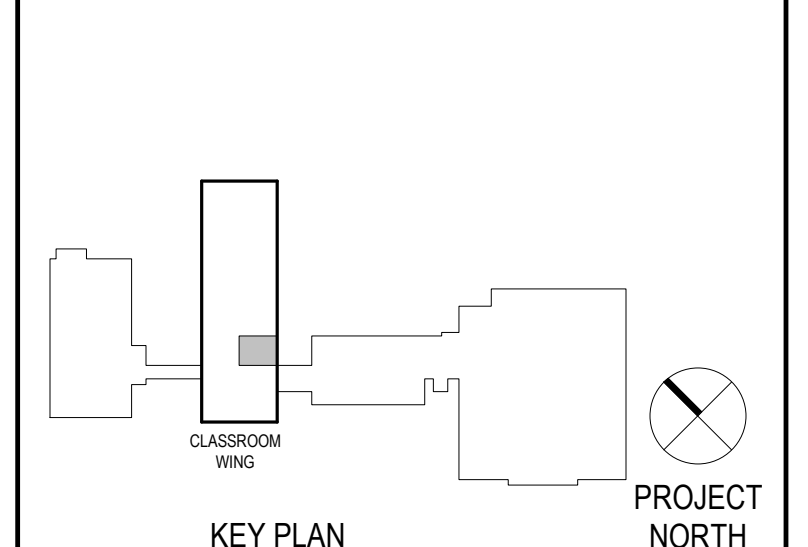
SECONDARY CEILING TAG

ACT-1 → CEILING FINISH

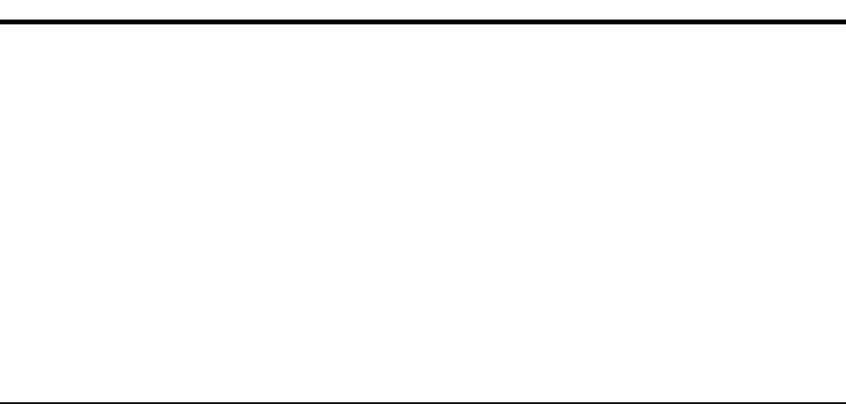
CEILING HEIGHT → REFER TO PROJECT MANUAL SCHEDULE OF FINISHES

- ACUSTICAL CEILING TILES & GRID W/ SUPPORTS
- PAINTED GYPSUM BOARD CEILING
- EXIT SIGN, REFER TO ELECTRICAL DRAWINGS
- RECESSED LIGHT FIXTURES, REFER TO ELECTRICAL DRAWINGS
- LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- PENDENT STYLE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS
- RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS
- CONCEALED SPINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
- EXPOSED SPINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
- PLAN SECTION/DETAIL NUMBER
- SHEET NUMBER

- CONSTRUCTION NOTES**
- PROVIDE NEW METAL STAIR WITH LANDING, FOR MORE INFORMATION SEE PROJECT MANUAL.
 - INFILL EXISTING OPENINGS WHERE DOORS WERE REMOVED. SAW-CUT AS REQUIRED TO TOOTH-IN NEW INFILL.
 - PROVIDE NEW ELEVATOR SHAFT - SEE ENLARGED PLANS FOR INFORMATION.
 - PROVIDE NEW ELEVATOR SYSTEM & ASSOCIATED COMPONENTS, REFER TO PROJECT MANUAL FOR MORE INFORMATION.
 - INSTALL NEW 2'-0" X 2'-0" MAINTENANCE ACCESS HATCH TO MECHANICAL AREA.
 - PROVIDE NEW COLUMN AND ASSOCIATED FOOTINGS AND COMPONENTS. COORDINATE WITH STRUCTURAL DRAWINGS.
 - PROVIDE NEW HOLLOW METAL FRAMES, WOOD DOORS, HARDWARE & ASSOCIATED COMPONENTS. TOOTH-IN NEW CMUS AS REQUIRED. SEE DOOR SCHEDULE AND DETAILS FOR MORE INFORMATION.
 - INSTALL NEW BASE AND UPPER CABINETS AND COUNT, SEE ELEVATIONS AND DETAILS.
 - INSTALL NEW SINK, COORDINATE WITH PLUMBING DRAWINGS.
 - INSTALL NEW EYE WASH STATION, COORDINATE WITH PLUMBING DRAWINGS.
 - INSTALL RELOCATED TALL STORAGE CABINETS & SHELVES.



Project Title:
**ADA IMPROVEMENTS / ELEVATOR AT:
 WESTERN MIDDLE SCHOOL**
 1 WESTERN JR HIGHWAY
 GREENWICH CT 06830



SILVER PETRUCELLI + ASSOCIATES
 3190 WHITNEY AVENUE HAMDEN CT 06518
 311 STATE STREET NEW LONDON CT 06320
 203 230 9007 silverpetrucelli.com

Revision	Description	Date	Revised By
1	ADDENDUM #3	03/09/26	M. JAEKLE
2	ADDENDUM #6	04/07/2026	M. JAEKLE

Drawing Title:
FLOOR PLANS - LOWER LEVEL

Project Submission:
ISSUED FOR BID

State Project Number:

Date:
 01/30/2026

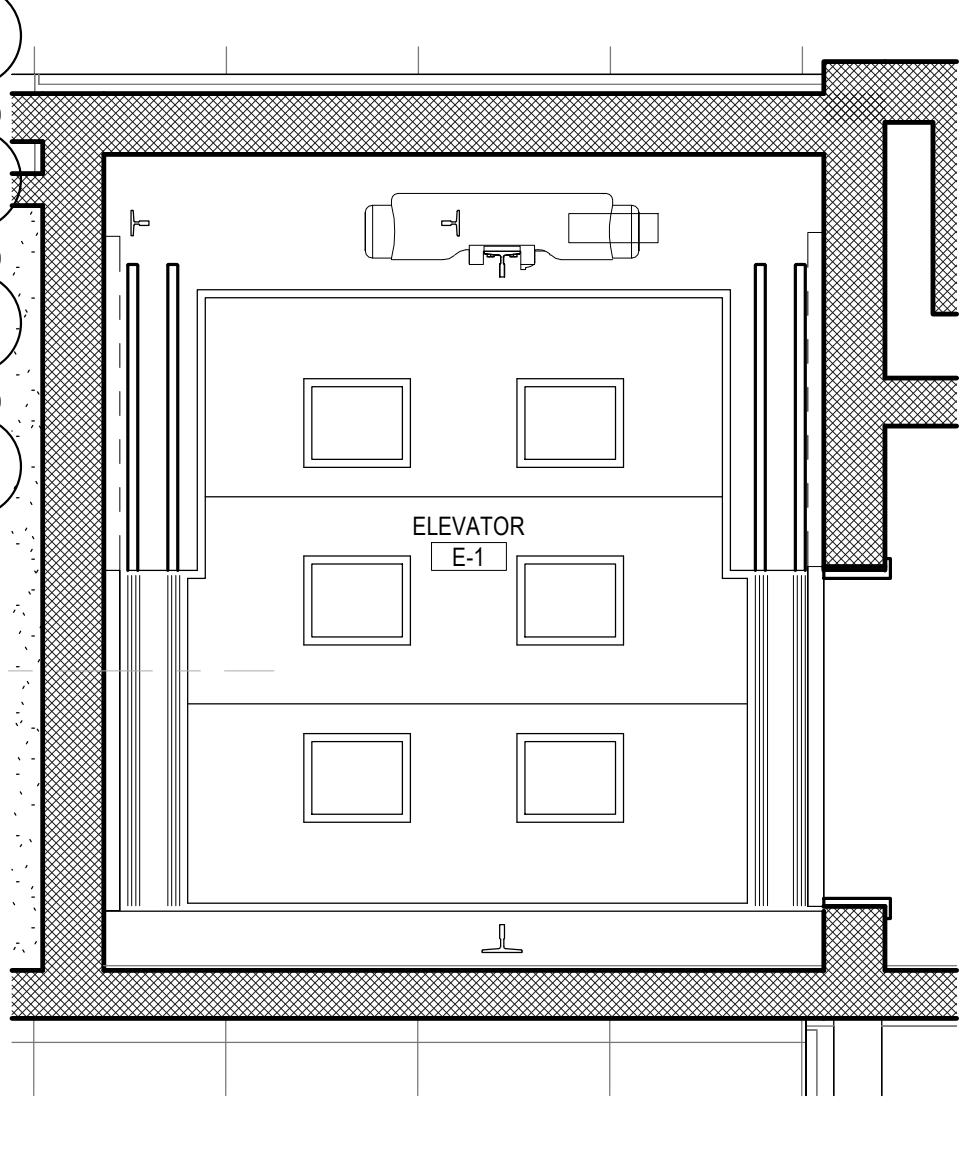
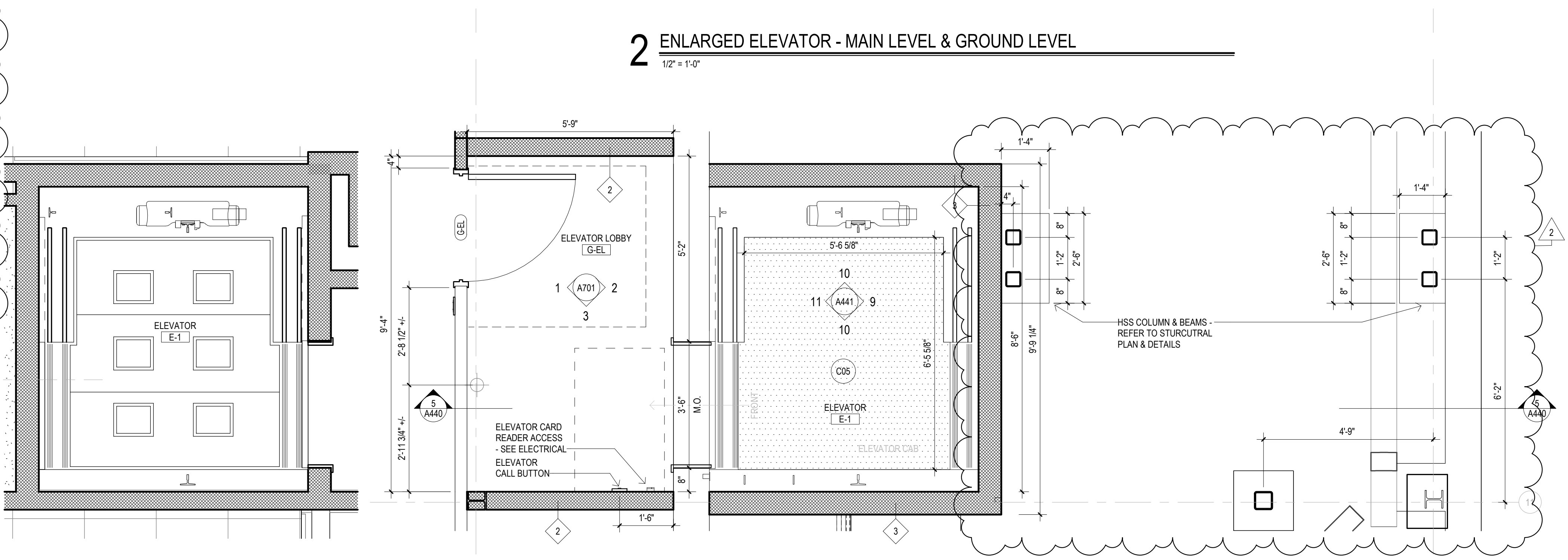
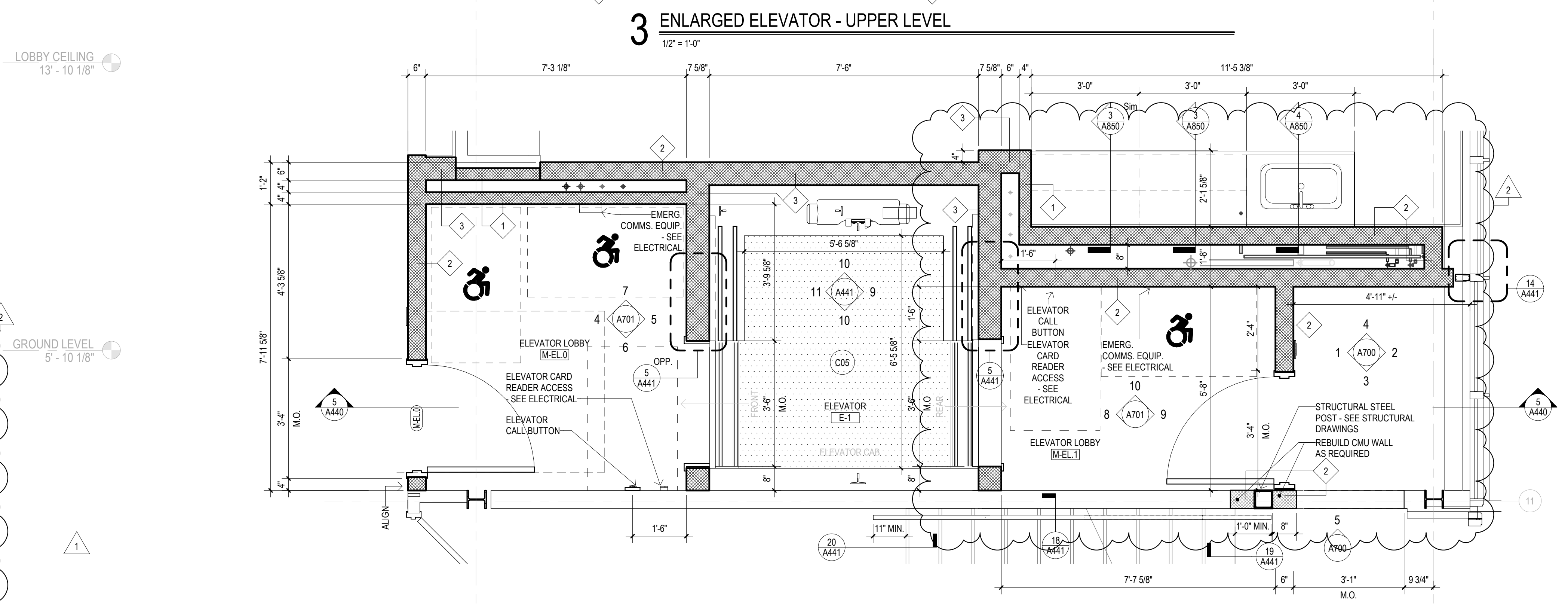
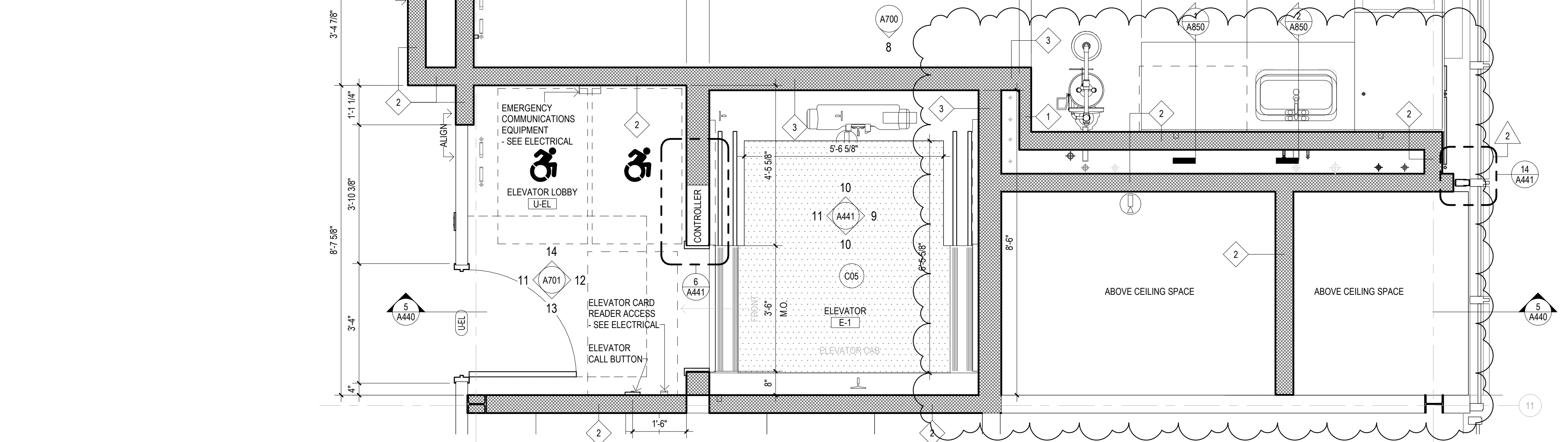
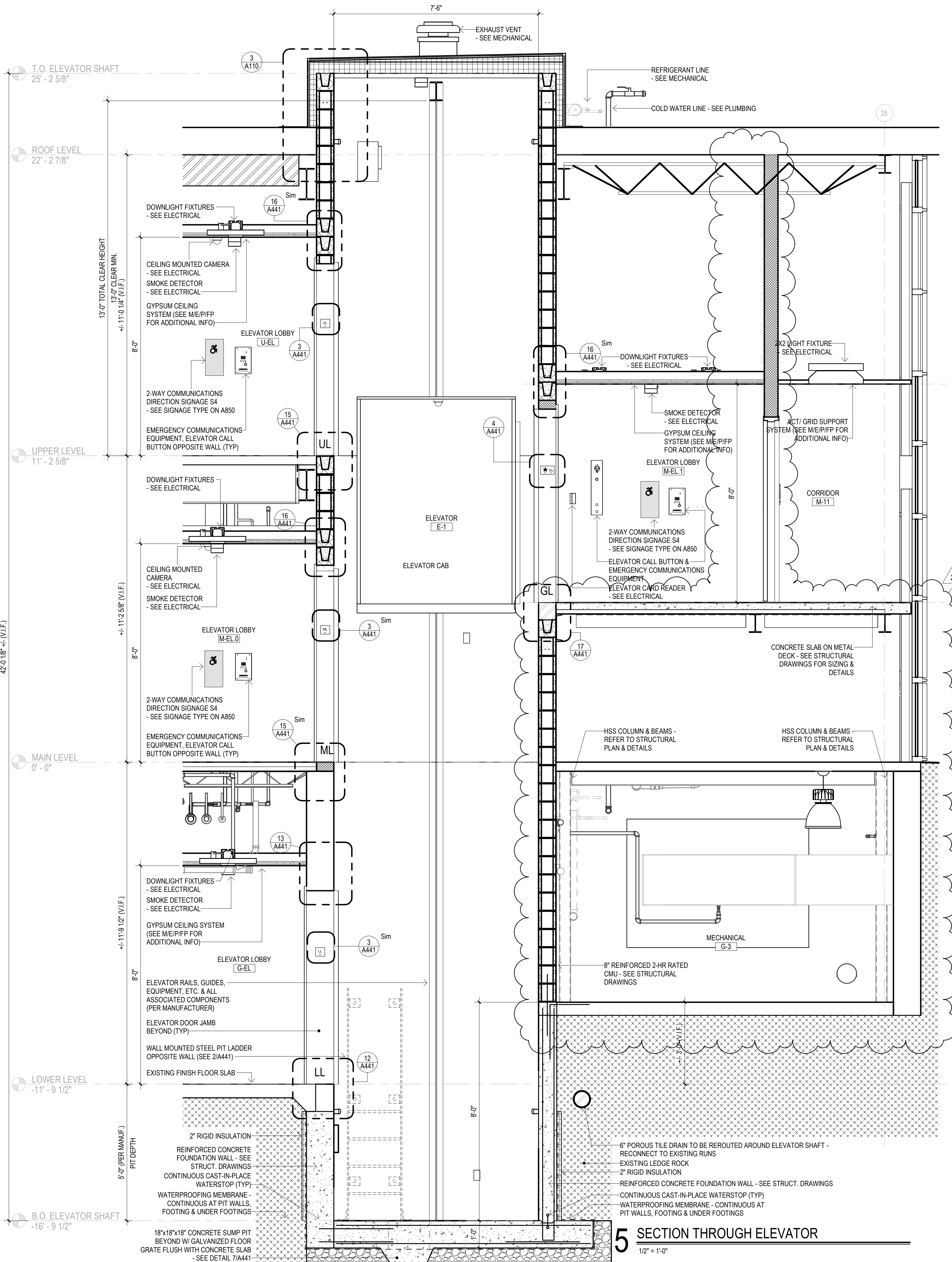
Scale:

As Indicated

Drawn By:
 M. JAEKLE

Project Number:
 23.097

Drawing Number:
A100



Project Title:
**ADA IMPROVEMENTS / ELEVATOR AT:
 WESTERN MIDDLE SCHOOL**
 1 WESTERN JR HIGHWAY
 GREENWICH CT 06830

SILVER PETRUCELLI + ASSOCIATES
 3190 WHITNEY AVENUE HAMDEN CT 06518
 311 STATE STREET NEW LONDON CT 06320
 203 230 9007 silverpetrucelli.com

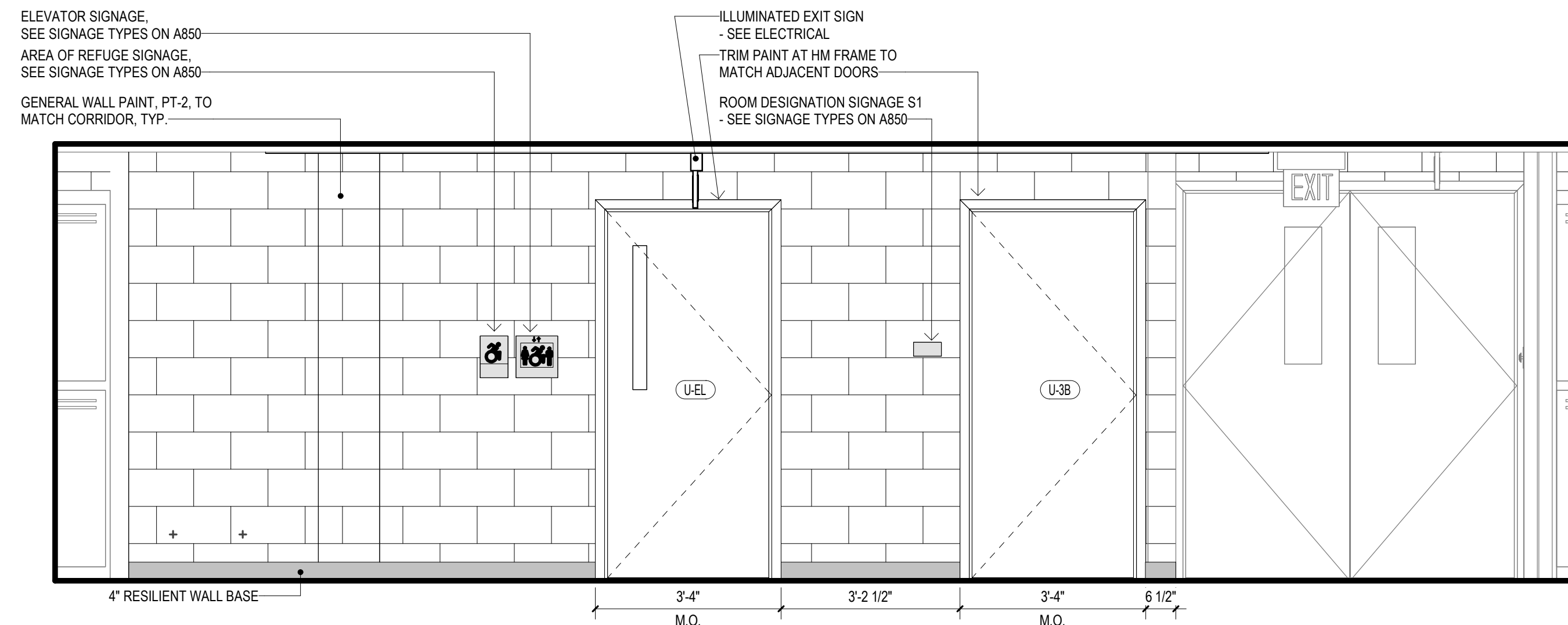
Revision	Description	Date	Revised By
1	ADDENDUM #3	03/09/26	M. JAEKLE
2	ADDENDUM #6	04/07/2026	M. JAEKLE

Drawing Title:
**ENLARGED ELEVATOR PLANS &
 SECTIONS**
 Project Submission:
ISSUED FOR BID
 State Project Number:

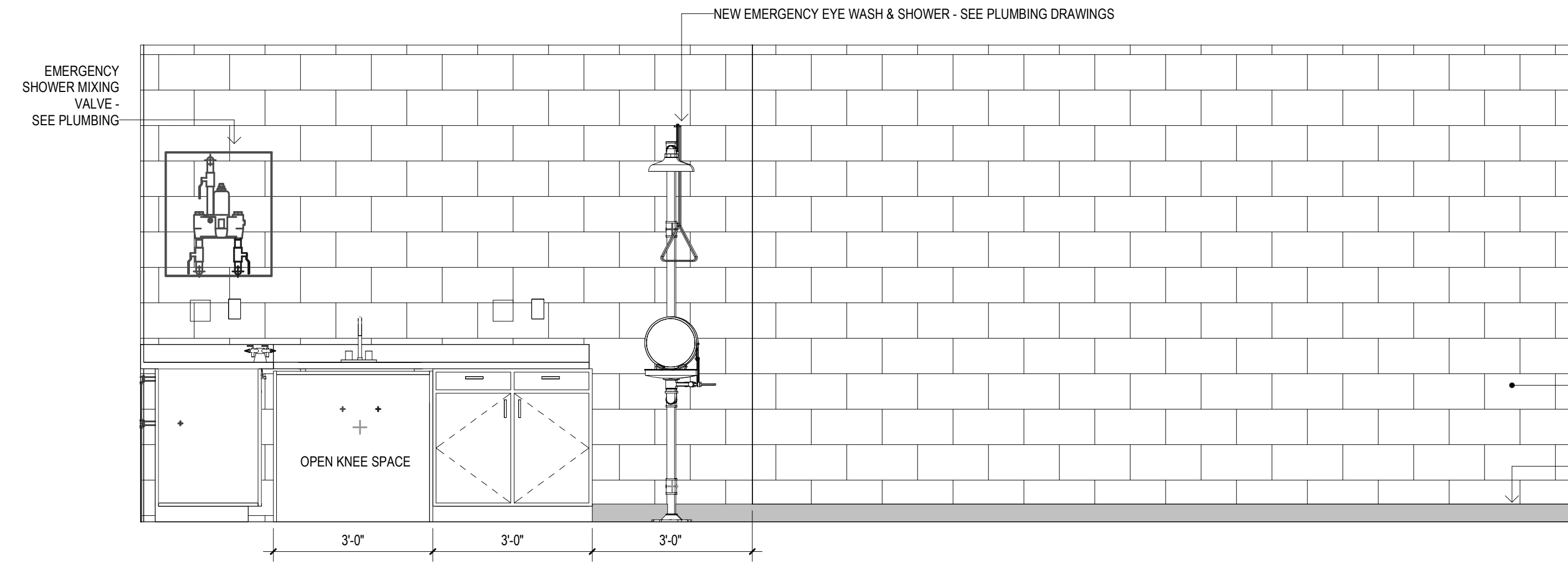
Date:
 01/30/2026
 Scale:
 1/2" = 1'-0"
 Drawn By:
 M. JAEKLE
 Project Number:
 23.097

Drawing Number:
A440

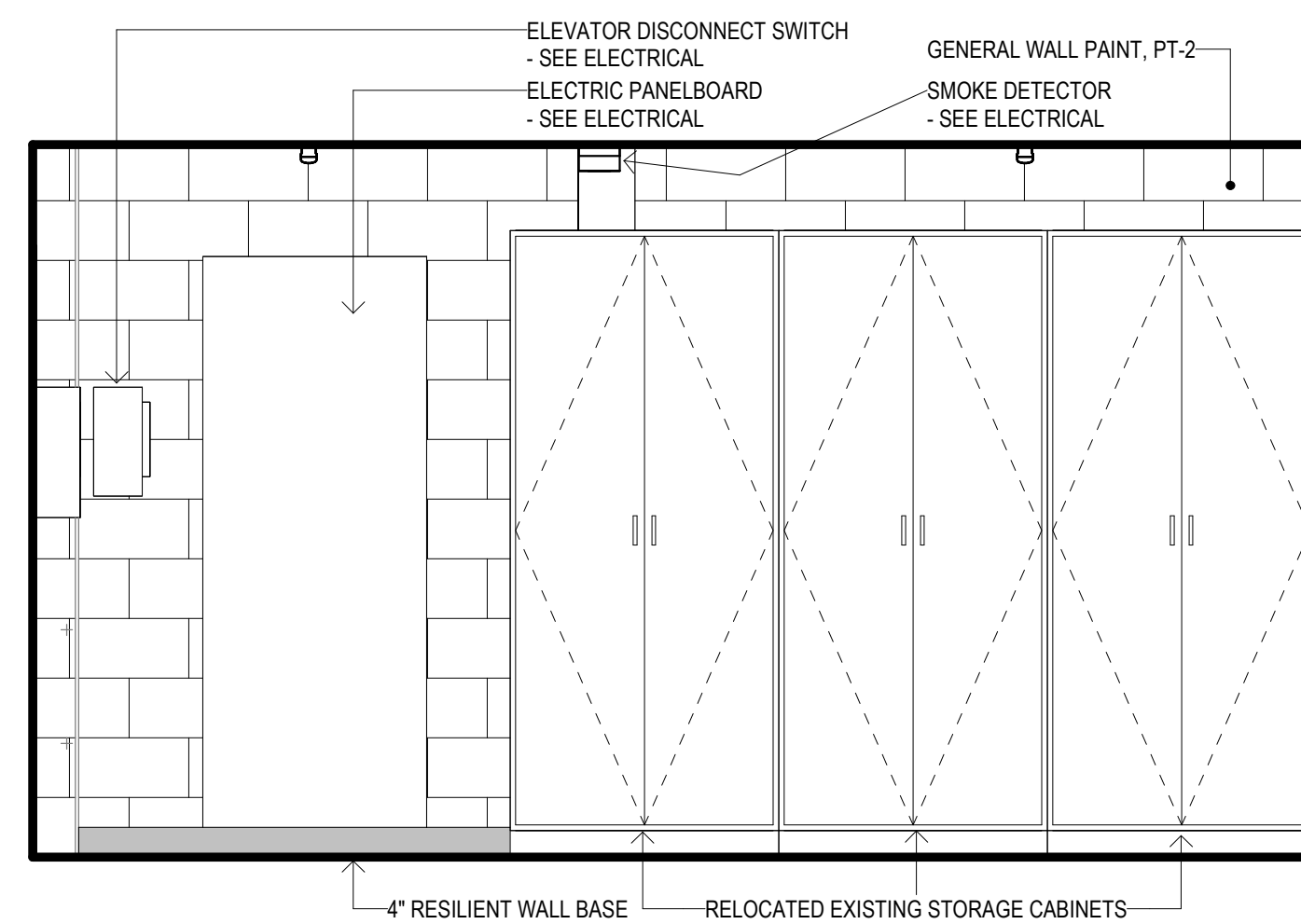
4/7/2026 1:24:52 PM



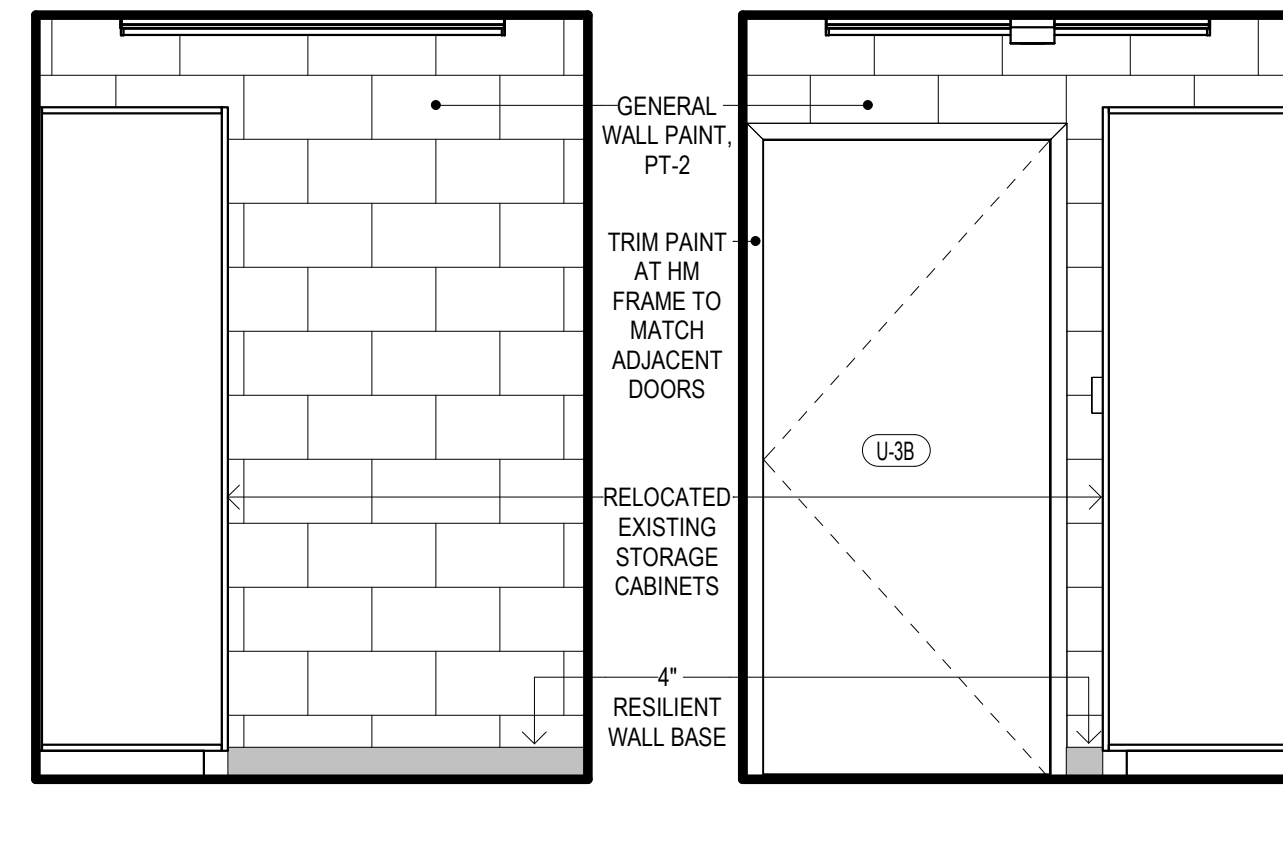
14 CORRIDOR U-17 - EAST
1/2" = 1'-0"



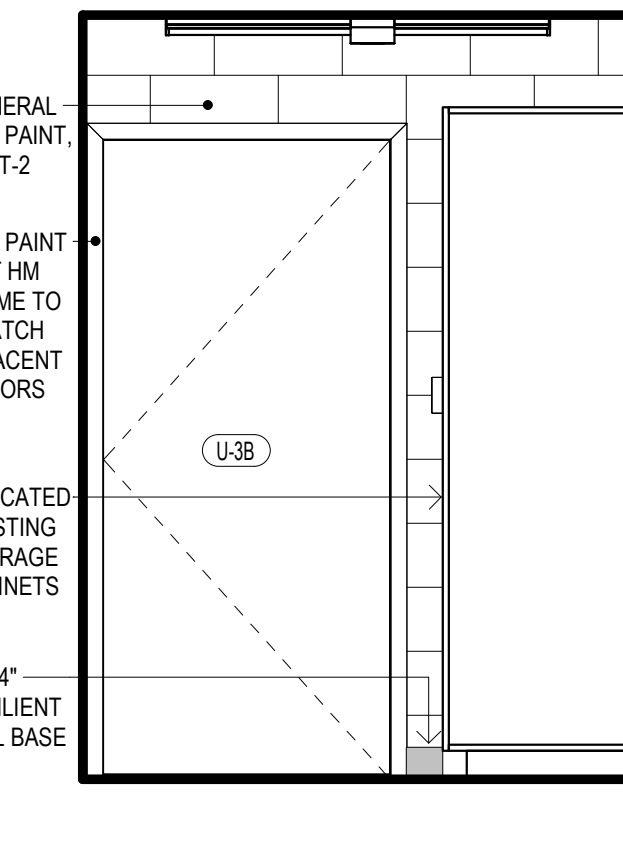
8 SCIENCE U-3 - SOUTH
1/2" = 1'-0"



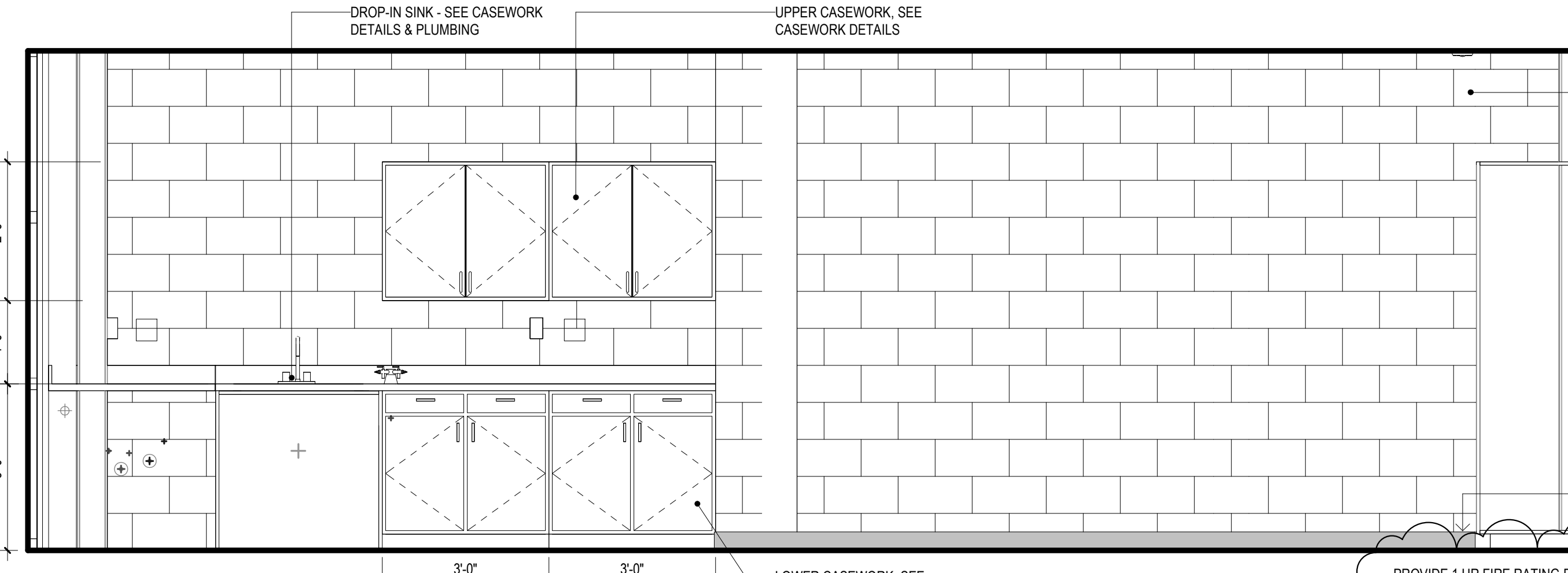
13 SUPPLY U-3B - NORTH
1/2" = 1'-0"



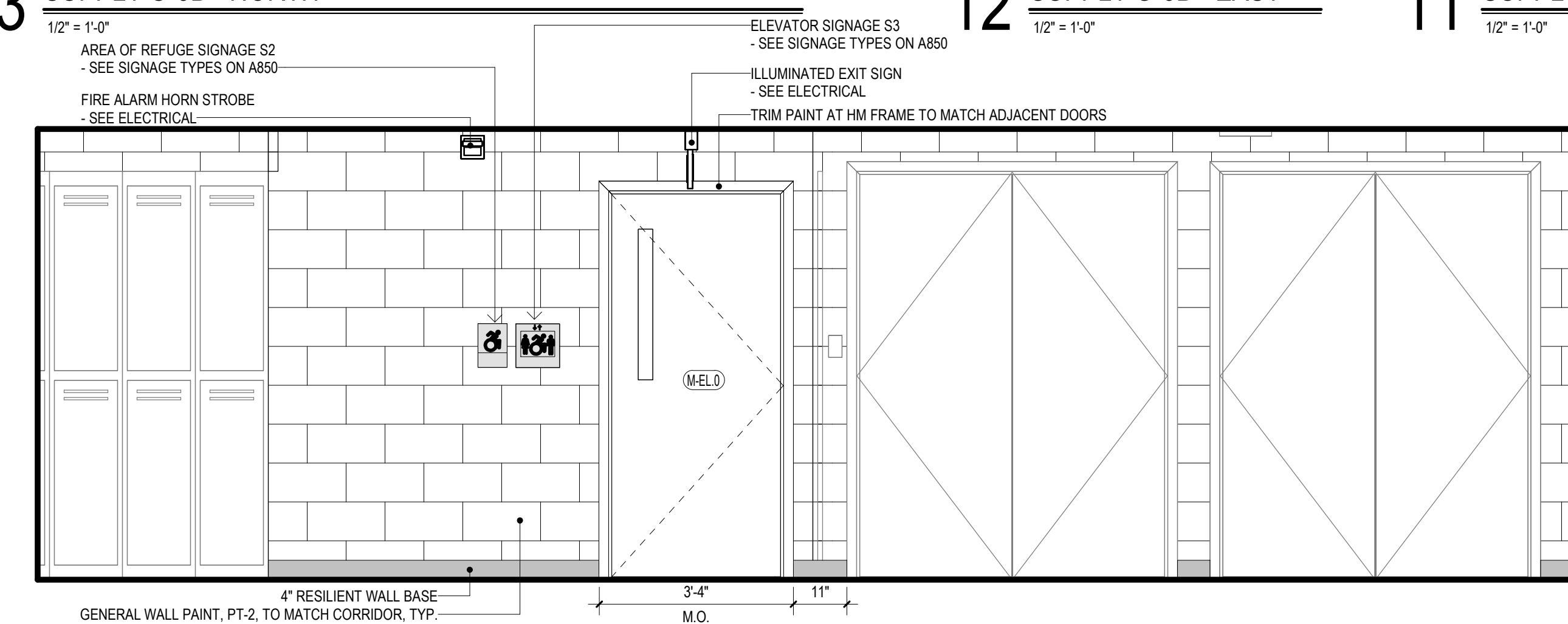
12 SUPPLY U-3B - EAST
1/2" = 1'-0"



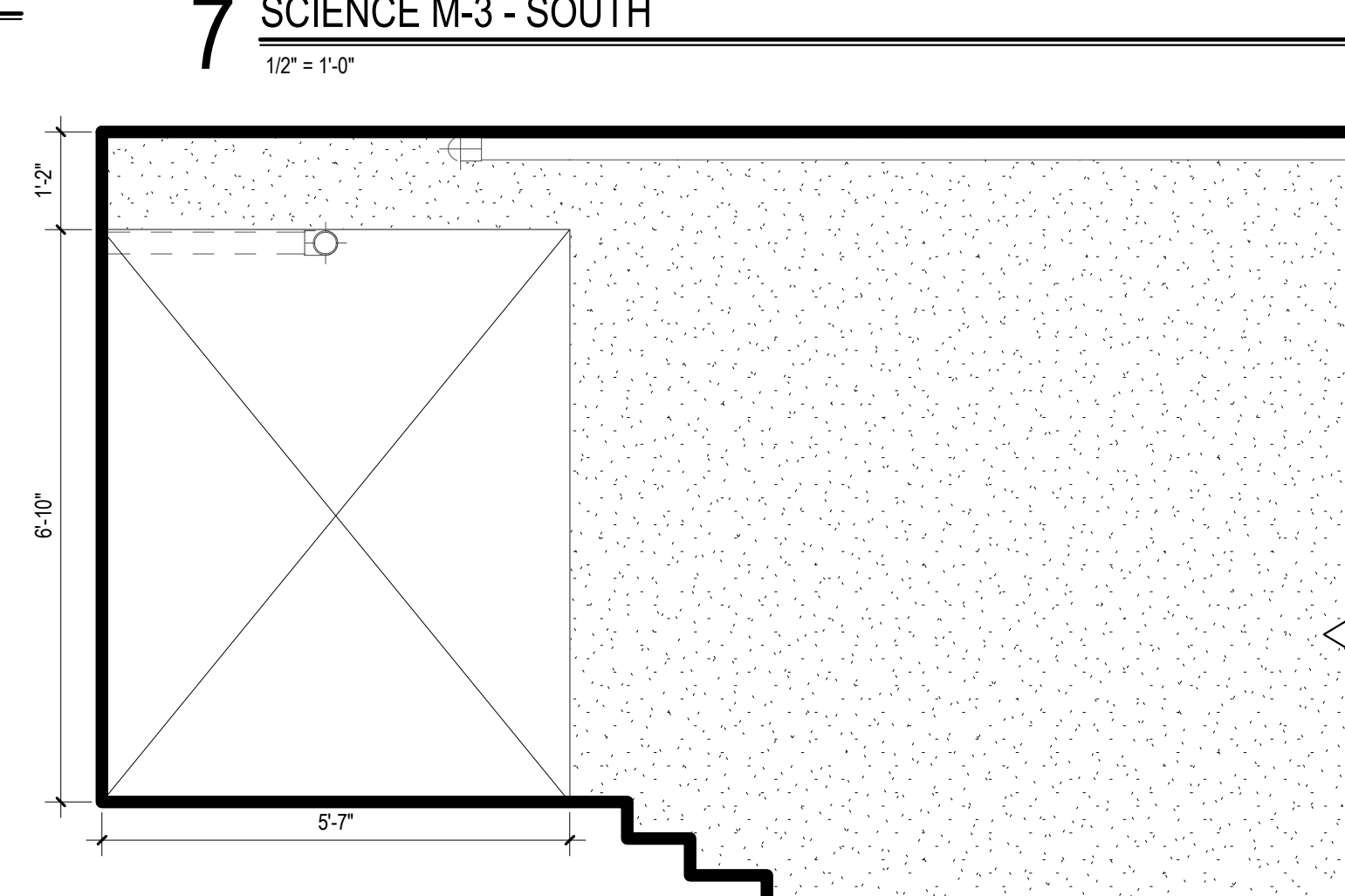
11 SUPPLY U-3B - WEST
1/2" = 1'-0"



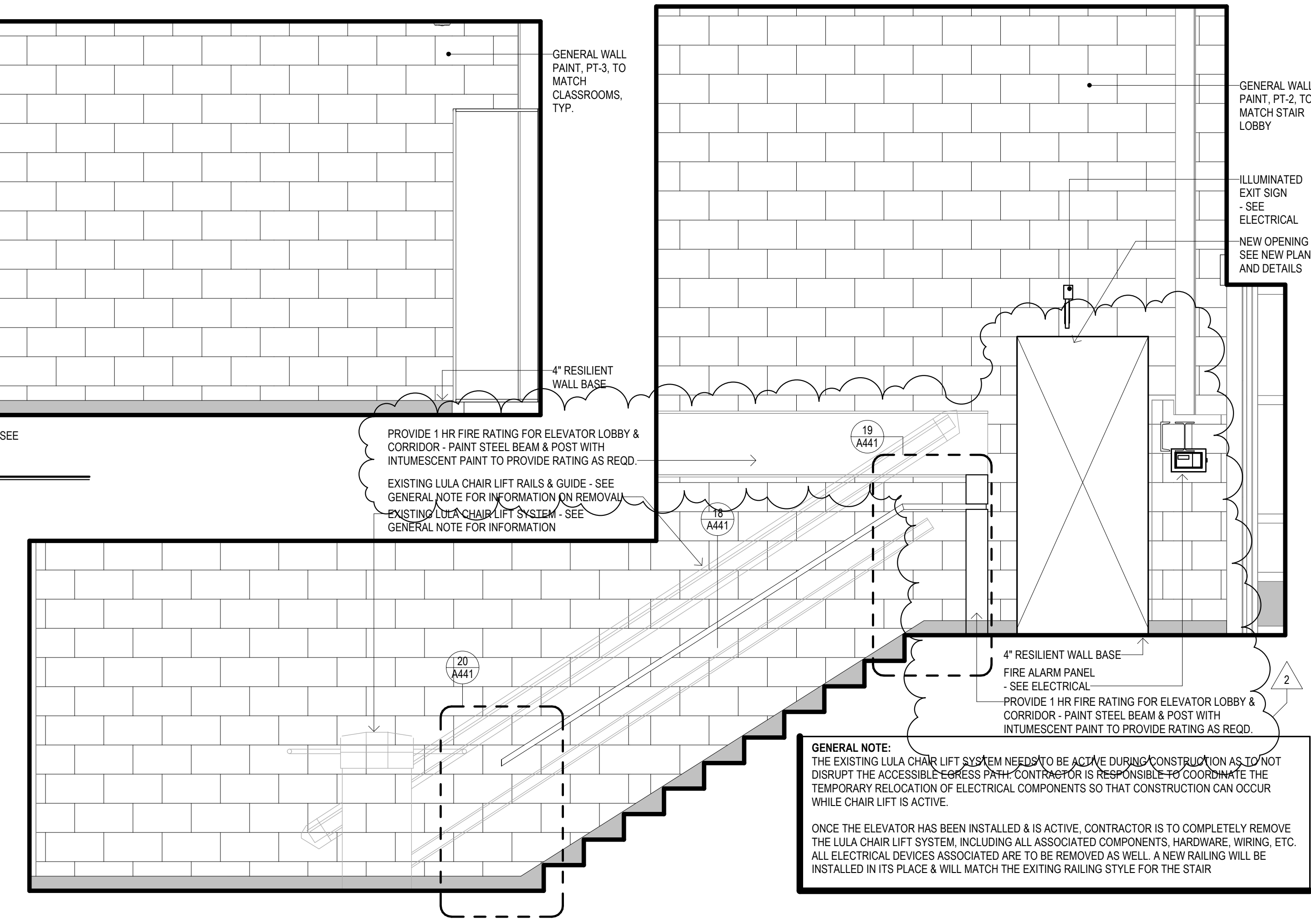
7 SCIENCE M-3 - SOUTH
1/2" = 1'-0"



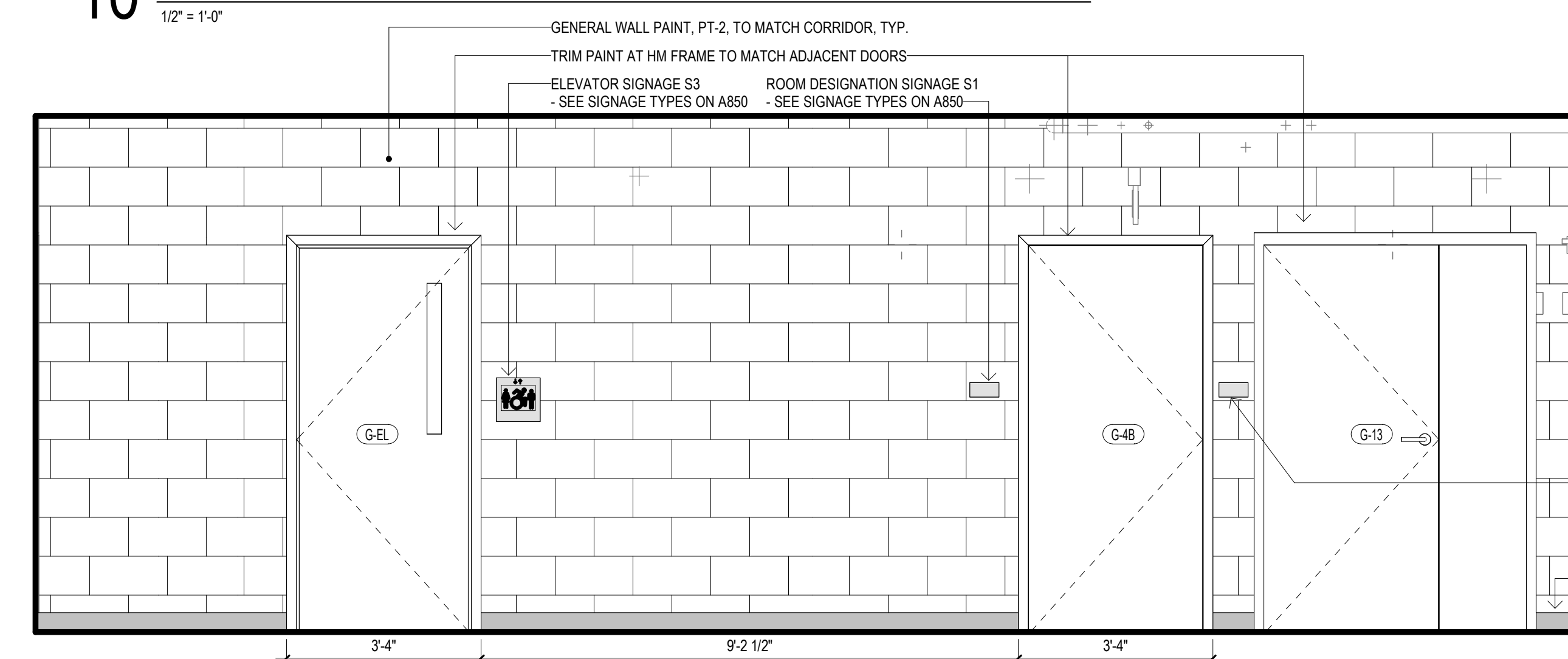
10 CORRIDOR M-13 - EAST
1/2" = 1'-0"



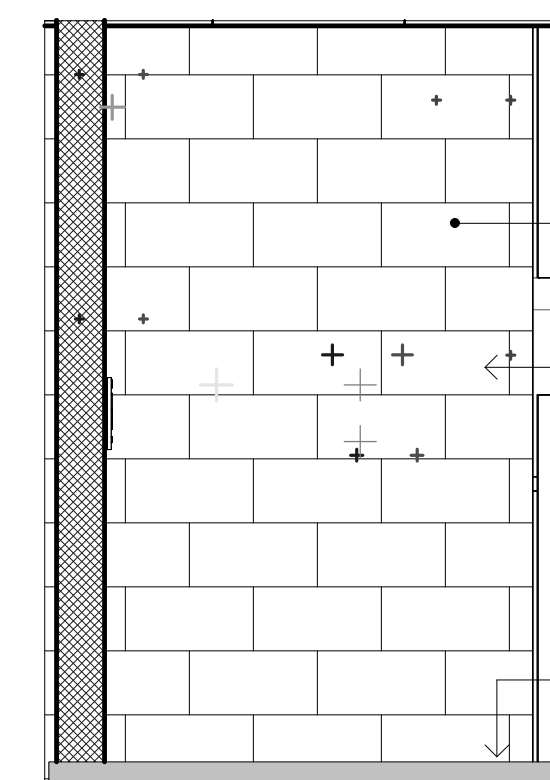
6 MECHANICAL ROOM G-13 - EAST
1/2" = 1'-0"



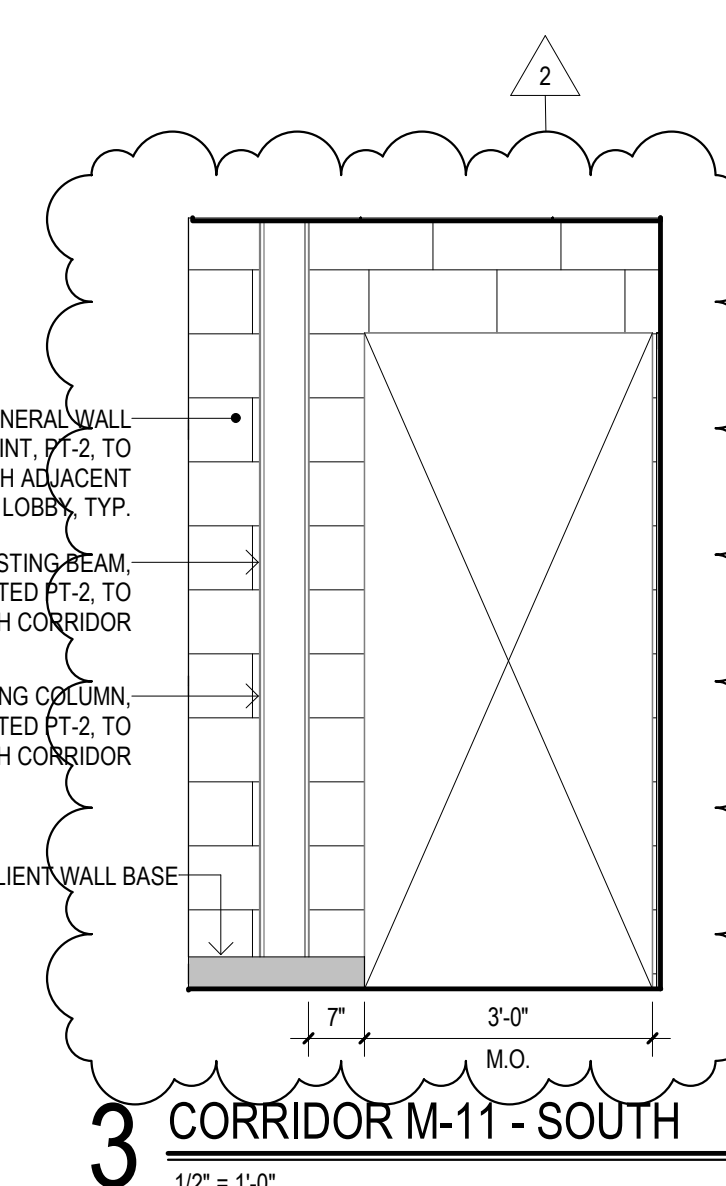
5 STAIR NO. 4 M-4 - NORTH
1/2" = 1'-0"



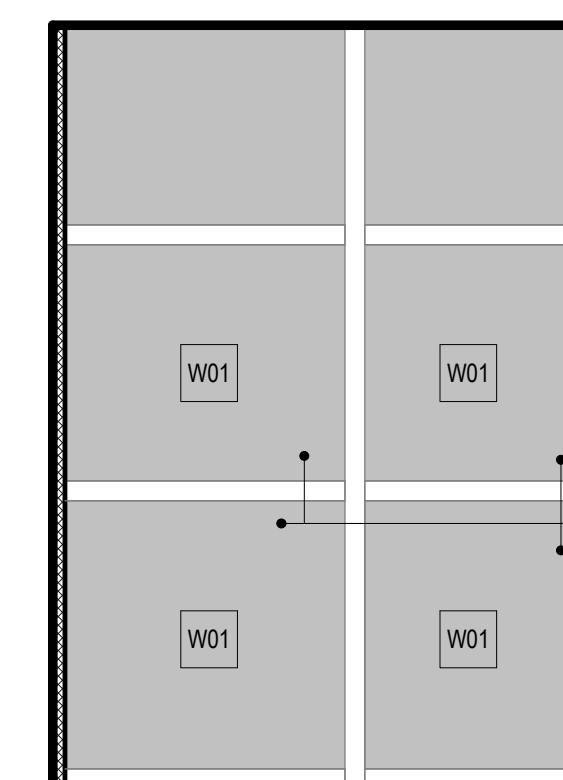
9 CORRIDOR G-5 - EAST
1/2" = 1'-0"



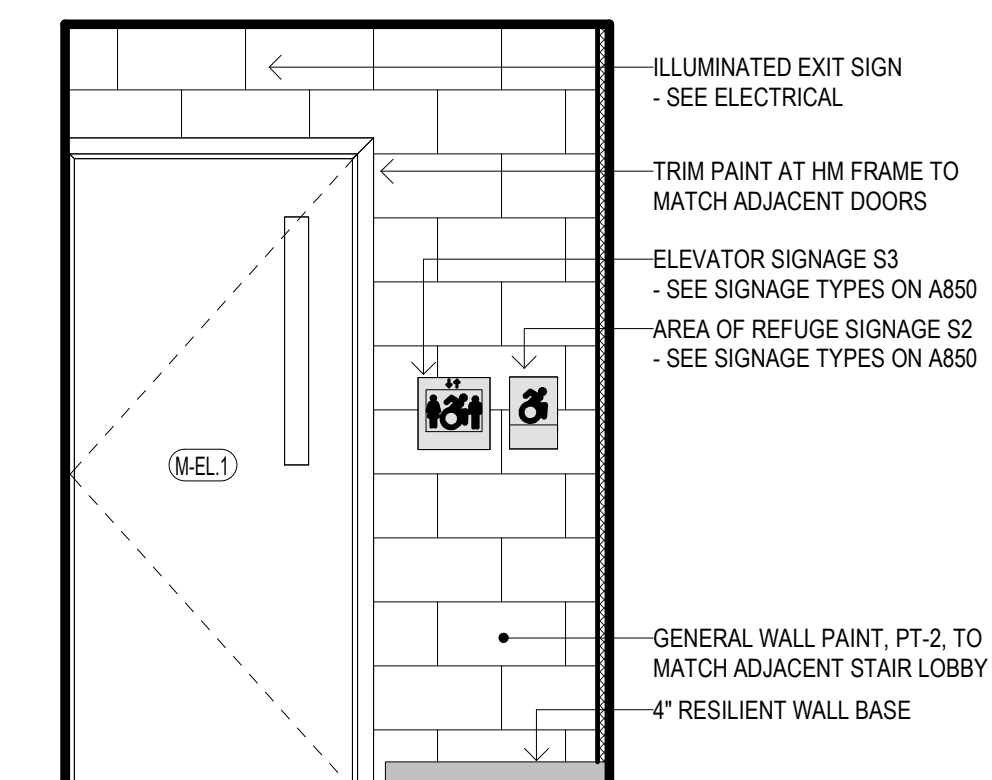
4 CORRIDOR M-11 - NORTH
1/2" = 1'-0"



3 CORRIDOR M-11 - SOUTH
1/2" = 1'-0"



2 CORRIDOR M-11 - EAST
1/2" = 1'-0"



1 CORRIDOR M-11 - WEST
1/2" = 1'-0"

SECTION 099647 - INTUMESCENT PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Intumescent paint for interior items and surfaces.

1.3 PRE-INSTALLATION MEETINGS

- A. Pre-installation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
 - 2. Indicate VOC content.
- B. Samples: For each type of coating system and each color and gloss of intumescent paint finish indicated.
 - 1. Submit Samples on rigid backing, not less than 8 inches square.
 - 2. Apply coats on Samples in steps to show each coat required for system.
 - 3. Label each coat of each Sample.
 - 4. Label each Sample for location and application area.
- C. Product List: Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules. Include color designations.

1.5 INFORMATIONAL SUBMITTALS

- A. Material Test Reports: For each intumescent paint.

1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that are from same production run (batch mix) as materials applied and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Quantity: Furnish an additional five percent (5%) of each color applied, but not less than 1 gallon of each material and color applied.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.
 - 1. Maintain containers in clean condition, free of foreign materials and residue.
 - 2. Remove rags and waste from storage areas daily.

1.8 FIELD CONDITIONS

- A. Apply waterborne intumescent paints only when temperatures of surfaces to be painted and ambient air temperatures are between 50 and 90 deg F.
- B. Do not apply intumescent paints in snow, rain, fog, or mist; when relative humidity exceeds eighty-five percent (85%); at temperatures of less than 5 deg F above the dew point; or to damp or wet surfaces.
- C. Allow wet surfaces to dry thoroughly and to attain temperature and conditions specified before starting or continuing coating operation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Benjamin Moore
 - 2. FlameOFF Coatings, Inc.
 - 3. LRBG Chemicals, Inc.
 - 4. PPG Architectural
 - 5. Protek Paint Ltd.
 - 6. Sherwin-Williams Company (The)
 - 7. Substitutions: Under provisions of Section 012500 "Substitution Procedures".

2.2 INTUMESCENT PAINT

- A. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products List."
- B. Surface-Burning Characteristics of Fire-Retardant Systems: As tested according to ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - 1. Flame-Spread Index: 25 or less.
 - 2. Smoke-Developed Index: 450 or less.
- C. Material Compatibility:
 - 1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.

2. For each material or coat, products and spreading rates shall be as recommended in writing by intumescent paint manufacturer for use on substrate indicated. Comply with requirements for fire-retardant coating classification and surface-burning characteristics indicated.
- D. VOC Content: Products shall comply with VOC limits of authorities having jurisdiction and, for interior paints and coatings applied at Project site, the following VOC limits, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
 1. Flat Paints and Coatings: 50 g/L.
- E. Colors and Gloss: As selected by Architect and Owner from manufacturer's entire range if not specified as **PT**, to match existing where required.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with manufacturer's requirements for surface treatments, shop-primed surfaces, maximum moisture content, and other conditions affecting performance of the Work.
- B. Begin coating no sooner than twenty-eight (28) days after substrate is constructed and is visually dry on both sides.
- C. Verify suitability of substrates, including surface conditions, and compatibility with existing finishes and primers.
- D. Proceed with coating application only after unsatisfactory conditions have been corrected and surfaces are dry.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in the "MPI Architectural Painting Specification Manual" applicable to substrates and coating systems indicated.
- B. Remove hardware and hardware accessories, plates, machined surfaces, light fixtures, and similar items already installed that are not to be coated. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and coating.
 1. After completing coating operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
- C. Clean substrates of substances that could impair bond of coatings, including dust, dirt, oil, grease, and incompatible paints and encapsulants. Do not coat surfaces if surface moisture content or alkalinity exceeds that permitted in manufacturer's written instructions.
 1. Remove incompatible primers, and reprime substrate with compatible primers as required to produce coating systems indicated.
 2. Perform cleaning and coating application so dust and other contaminants from cleaning process do not fall on wet, newly coated surfaces.
- D. Steel Substrates: Remove rust, loose mill scale, and shop primer, if any. Clean using methods recommended in writing by paint manufacturer but not less than the following:

1. SSPC-SP 3, "Power Tool Cleaning."

3.3 INSTALLATION

- A. Apply intumescent paints according to manufacturer's written instructions and to comply with requirements for listing and labeling for surface-burning characteristics specified.
 1. Use equipment and techniques best suited for substrate and type of material being applied.
 2. Coat surfaces behind movable items the same as similar exposed surfaces.
 3. Apply each coat separately according to manufacturer's written instructions.
- B. Apply coatings to prepared surfaces as soon as practical after preparation and before subsequent surface soiling or deterioration.
- C. Apply coatings to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Produce sharp lines and color breaks.
 1. Pigmented Finishes: If undercoats or other conditions show through pigmented topcoat/overcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

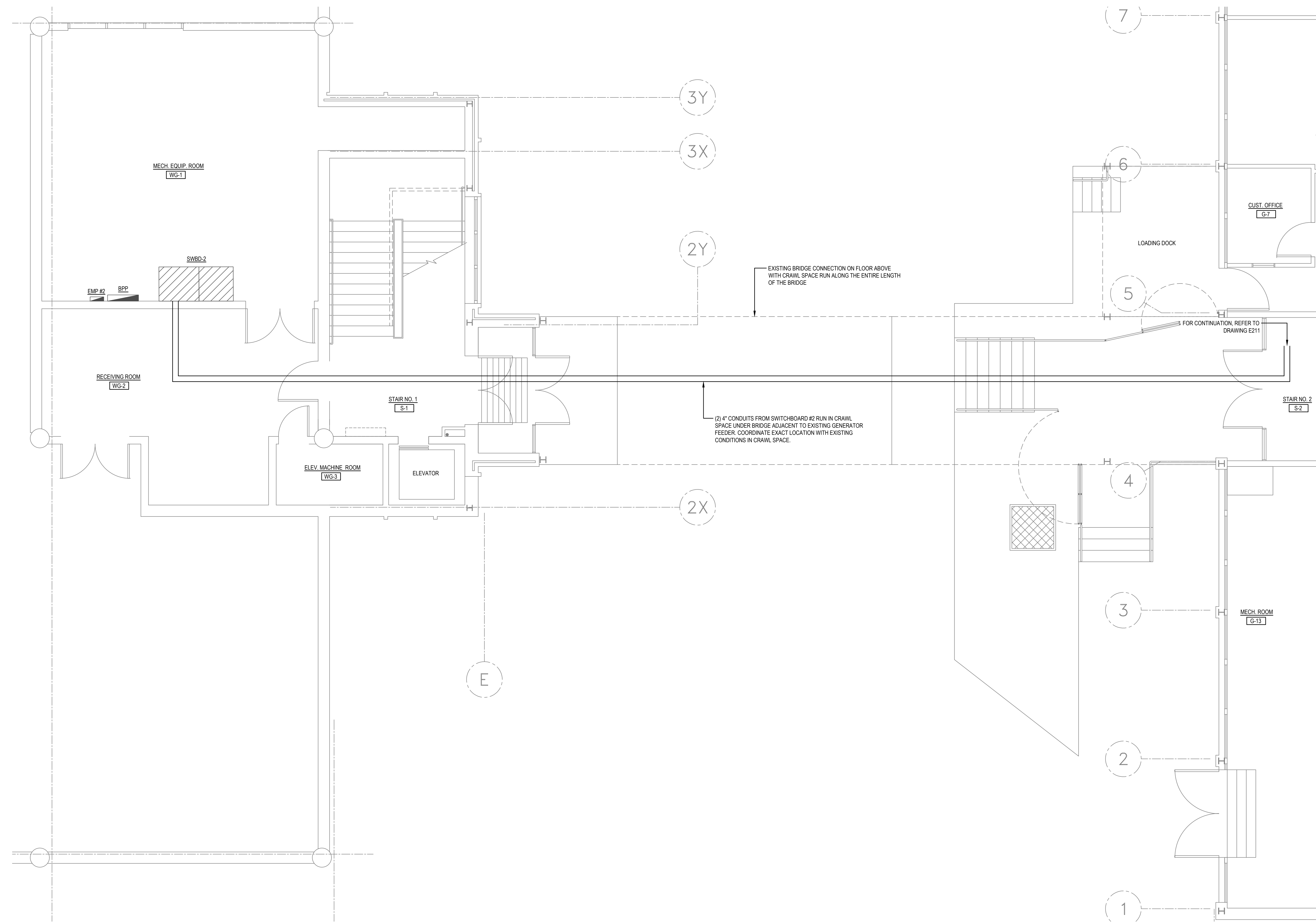
3.4 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing coating application, clean spattered surfaces. Remove spattered coatings by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from coating application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced coated surfaces.

3.5 INTERIOR INTUMESCENT PAINTING SCHEDULE

- A. Steel Substrates:
 1. Pigmented, Fire-Retardant, Water-Based System:
 - a. Prime Coat: As recommended in writing by topcoat manufacturer.
 - b. Intermediate Coat: As recommended in writing by topcoat manufacturer.
 - c. Topcoat: Fire-retardant coating, latex, interior, flat, **MPI #64**.

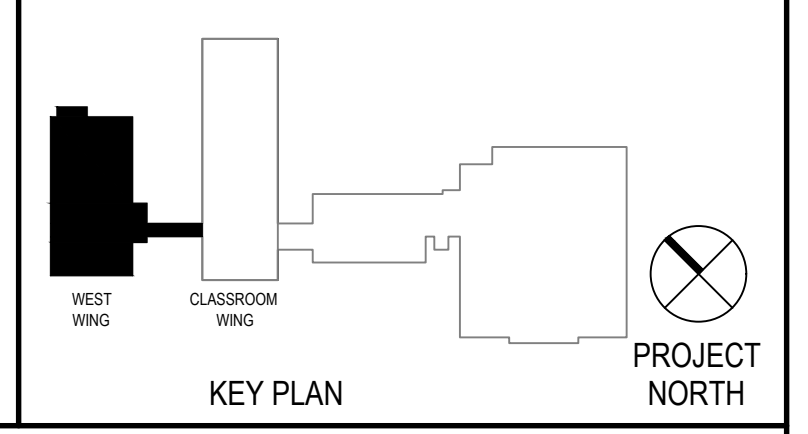
END OF SECTION 099647



GENERAL POWER NOTES

1. REFER TO DRAWING E001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. ALL WORK SHALL CONFORM WITH THE ELECTRICAL SPECIFICATIONS AND THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE (NEC).

1 WEST WING GROUND FLOOR PLAN W/BRIDGE CONNECTION
1/4" = 1'-0"



Project Title:
**ADA IMPROVEMENTS / ELEVATOR ADDITION AT:
 WESTERN MIDDLE SCHOOL**
 1 WESTERN JR HIGHWAY
 GREENWICH, CT 06830

SILVER PETRUCELLI + ASSOCIATES
 3190 WHITNEY AVENUE HAMDEN CT 06518
 311 STATE STREET NEW LONDON CT 06320
 203 230 9007 silverpetrucelli.com

Revision	Description	Date	Revised By
1	ADDENDUM #8	04/07/2026	SEC

Drawing Title:
**WEST WING - GROUND FLOOR PLAN -
 POWER**
 Project Phase:
ISSUED FOR BID
 Date/Project Number:

Date: 01/30/2026
 Scale: As Indicated
 Drawn By: S. GROTEAU
 Project Number: 23.097

Drawing Number:
E213

PROJECT TITLE:

ADA IMPROVEMENTS / ELEVATOR AT:

WESTERN MIDDLE SCHOOL

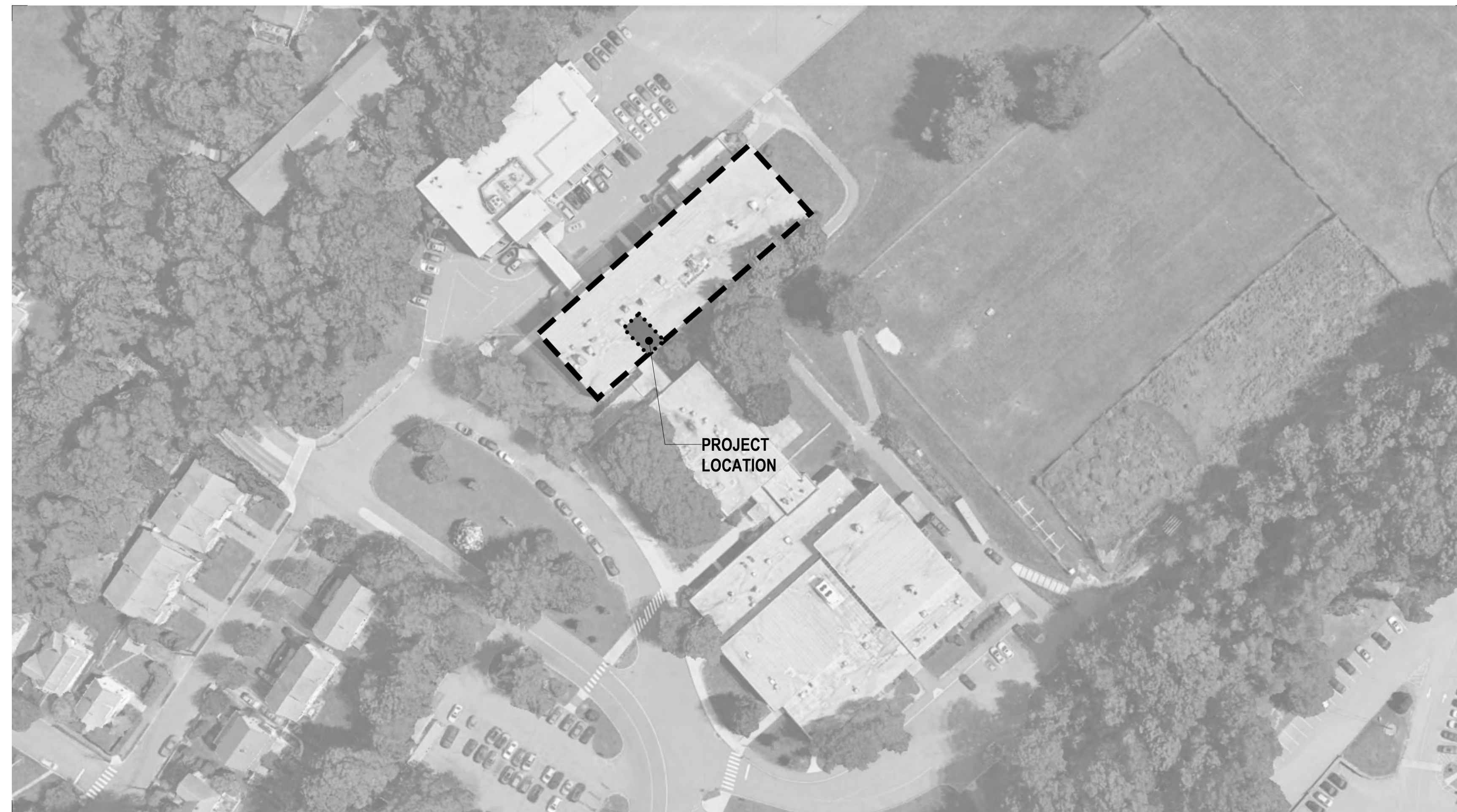
1 WESTERN JR HIGHWAY
GREENWICH CT 06830

ARCHITECT
SILVER PETRUCELLI & ASSOC.
3190 WHITNEY AVENUE, HAMDEN CT 06518
311 STATE STREET NEW LONDON, CT 06320
PHONE 203 230 9007 silverpetrucelli.com

M/E/P/FP
SILVER PETRUCELLI & ASSOC.
3190 WHITNEY AVENUE, HAMDEN CT 06518
311 STATE STREET NEW LONDON, CT 06320
PHONE 203 230 9007 silverpetrucelli.com

STRUCTURAL
MICHAEL HORTON ASSOCIATES.
780 E MAIN ST SUITE 1, BRANFORD CT 06405
PHONE 203 481 8600 mha-eng.com

ENVIRONMENTAL
LANGAN
555 LONG WHARF DRIVE, NEW HAVEN CT 06511-6107
PHONE 203 562 5771 langan.com



DRAWINGS LIST

GENERAL DRAWINGS

G000 COVER SHEET
G001 GENERAL INFORMATION - DRAWING LIST
G002 CODE PLAN & CODE INFORMATION

ENVIRONMENTAL DRAWINGS

HBM-01 HAZARDOUS BUILDING MATERIALS ABATEMENT PLAN - BASEMENT
HBM-02 HAZARDOUS BUILDING MATERIALS ABATEMENT PLAN - UPPER LEVEL

STRUCTURAL DRAWINGS

S0.0 GENERAL NOTES
S1.1 FOUNDATION AND MAIN LEVEL FRAMING PLANS
S1.2 MAIN AND UPPER LEVEL FRAMING PLANS
S1.3 ROOF FRAMING PLAN
S3.0 SECTIONS
S6.0 TYPICAL DETAILS

EXISTING STRUCTURAL DRAWINGS

ES-1 CLASSROOM WING - 1ST FLOOR FRAMING PLAN & GROUND FLOOR FOUNDATION PLAN
ES-2 CLASSROOM WING - ROOF FRAMING & 2ND FLOOR FRAMING PLANS
ES-3 CLASSROOM WING - FOUNDATION SECTIONS AND DETAILS
ES-4 COLUMN SCHEDULES
ES-5 ADMINISTRATION WING - ROOF FRAMING PLAN, FOUNDATION PLAN
ES-11 SLAB & BEAM SCHEDULES

ARCHITECTURAL DRAWINGS

A000 OVERALL BUILDING PLANS
A001 ENLARGED CLASSROOM WING PLANS
A010 DEMOLITION PLANS - LOWER LEVEL
A011 DEMOLITION PLANS - MAIN LEVEL
A013 DEMOLITION PLANS - UPPER LEVEL
A100 FLOOR PLANS - LOWER LEVEL
A101 FLOOR PLANS - MAIN LEVEL
A103 FLOOR PLANS - UPPER LEVEL
A110 ROOF PLAN + DETAILS
A300 EXTERIOR ELEVATIONS
A440 ENLARGED ELEVATOR PLANS & SECTIONS
A441 ELEVATOR ELEVATIONS & DETAILS + PLAN SECTION & PLAN DETAILS
A700 INTERIOR ELEVATIONS
A701 INTERIOR ELEVATIONS
A850 DOOR / WINDOW / FINISH / CASEWORK SCHEDULE, TYPES, AND DETAILS

FIRE PROTECTION DRAWINGS

FP001 FIRE PROTECTION SCHEDULES AND NOTES
FP110 FIRE PROTECTION PLANS
FP200 FIRE PROTECTION DETAILS

PLUMBING DRAWINGS

P001 PLUMBING GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
P010 PLUMBING DEMOLITION PLANS
P110 PLUMBING LOWER LEVEL PLAN
P111 PLUMBING FLOOR PLANS
P200 PLUMBING ISO VIEW
P501 PLUMBING SCHEDULES & DETAILS

MECHANICAL DRAWINGS

M001 MECH GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
M010 MECHANICAL BASEMENT DEMOLITION PLAN
M110 MECH BASEMENT FLOOR PLAN
M115 MECH ROOF PLAN
M200 MECH SCHEDULES
M300 MECH DETAILS

ELECTRICAL DRAWINGS

E001 ELEC GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
E011 DEMOLITION FLOOR PLANS - LIGHTING
E021 DEMOLITION FLOOR PLANS - POWER
E111 LOWER & MAIN LEVEL FLOOR PLANS - LIGHTING
E112 GROUND & UPPER LEVEL FLOOR PLANS - LIGHTING
E211 LOWER MAIN LEVEL FLOOR PLANS - POWER
E212 GROUND, UPPER & ROOF LEVEL FLOOR PLANS - POWER
E213 WEST WING - GROUND FLOOR PLAN - POWER
E401 ONE LINE SYSTEM DIAGRAM
E501 PANEL & LIGHT FIXTURE SCHEDULES
E601 DETAILS



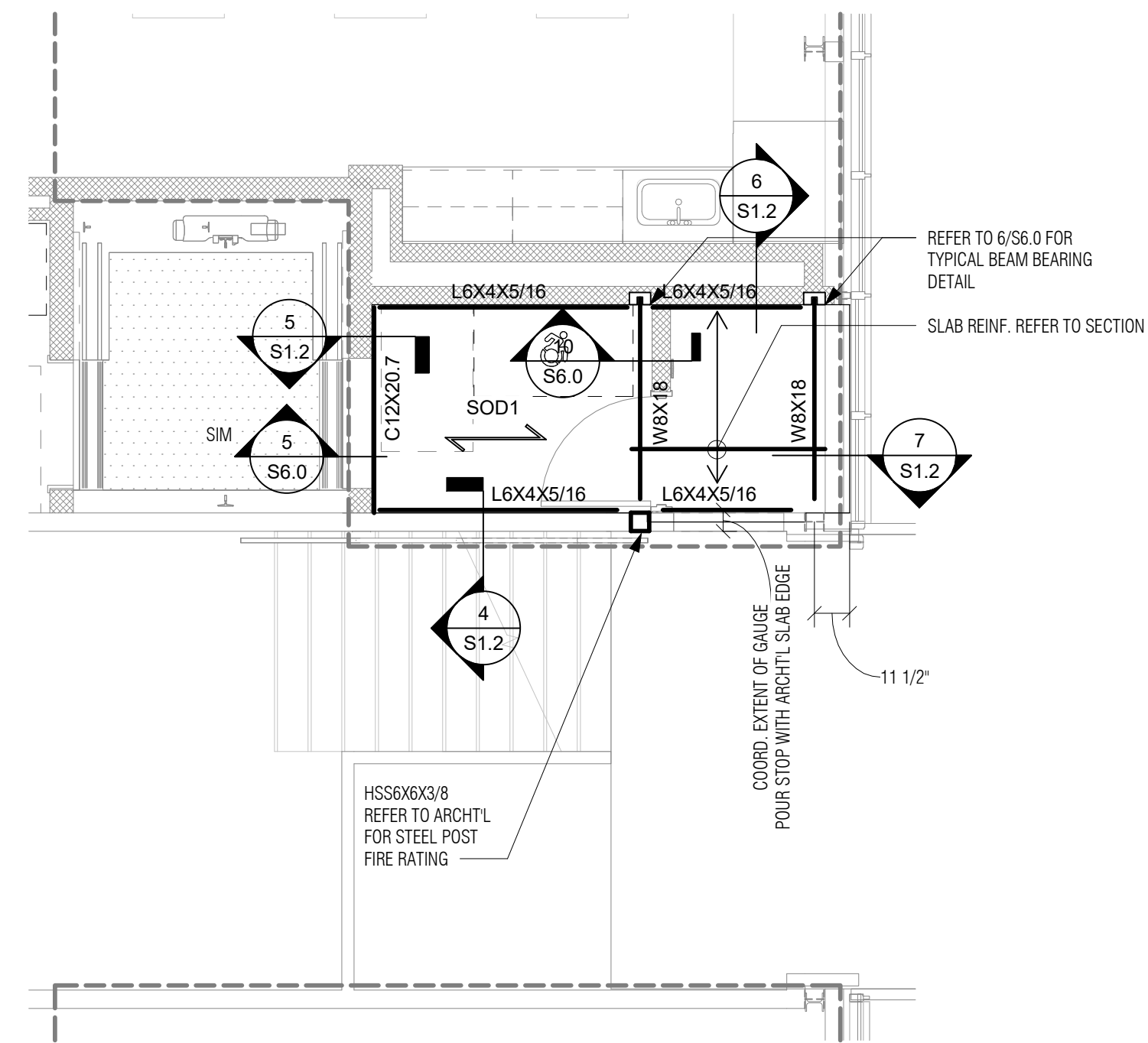
SILVER PETRUCELLI + ASSOCIATES

3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

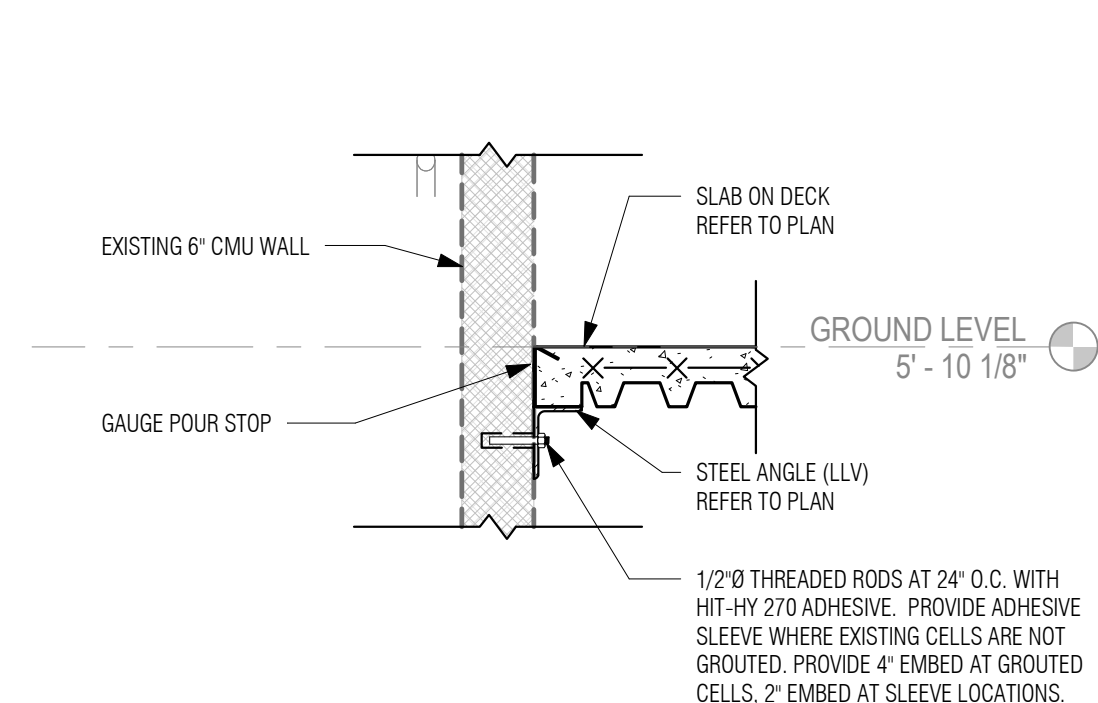
ISSUED FOR BID

01/30/2026

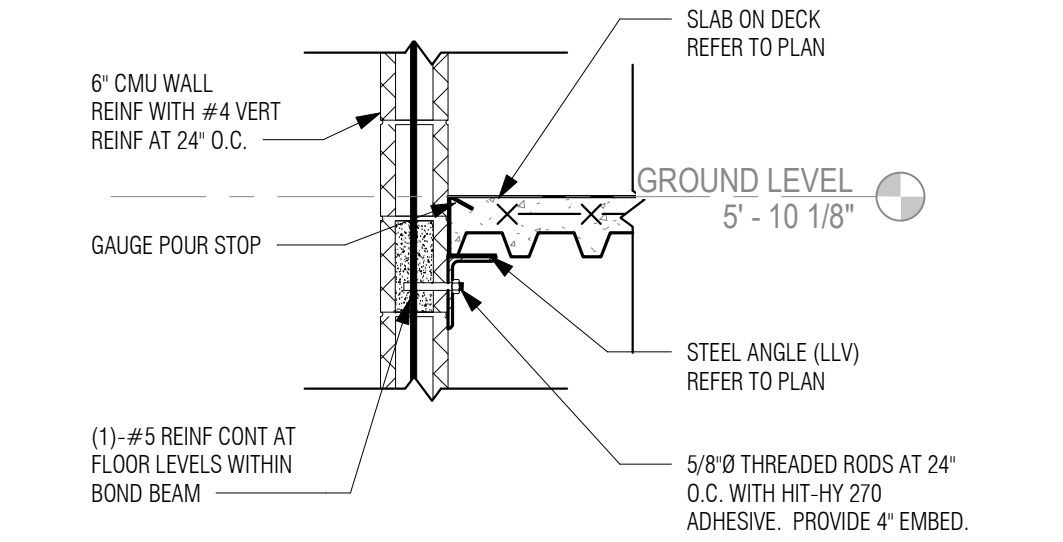
Revision:	Description:	Date:	Revised By:
1	ADDENDUM #8	04/07/2026	M. JAEKLE



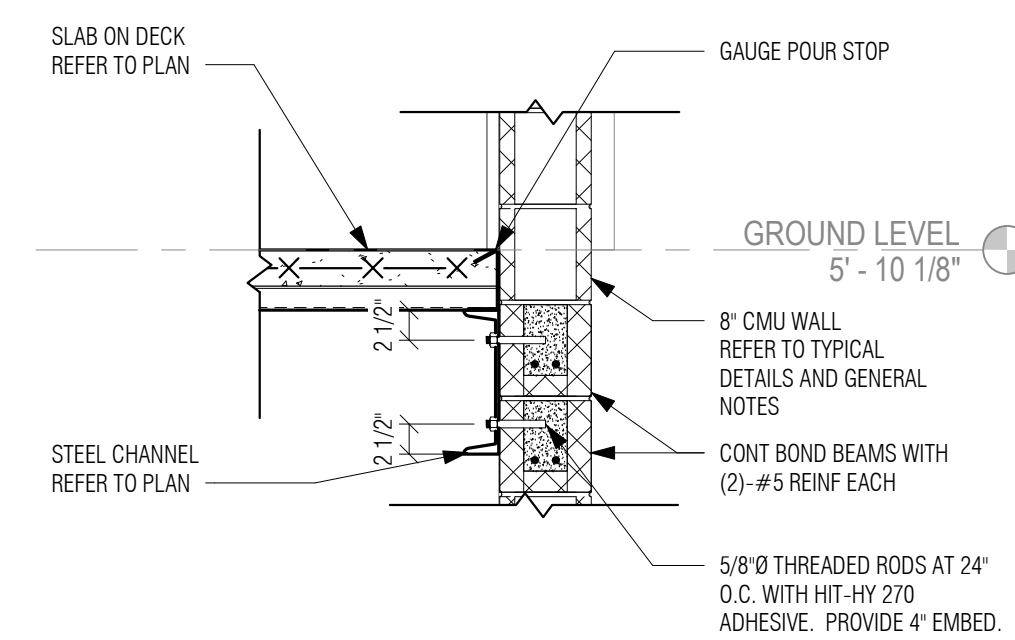
2 PARTIAL GROUND LEVEL FRAMING PLAN
1/4" = 1'-0"



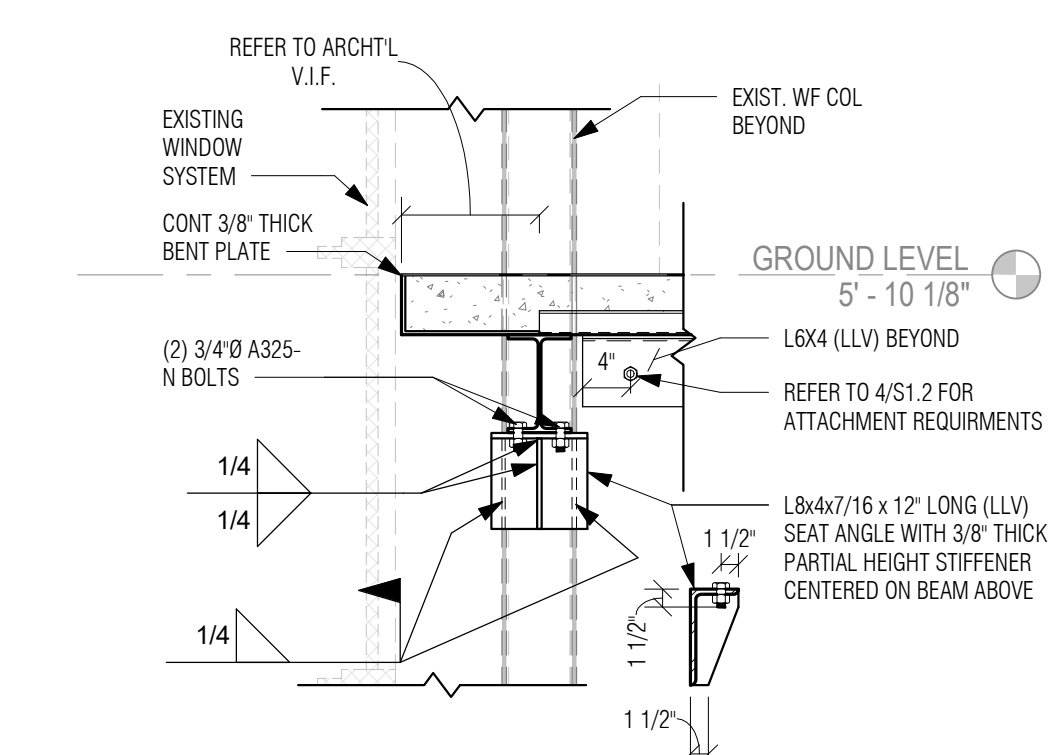
4 SECTION
3/4" = 1'-0"



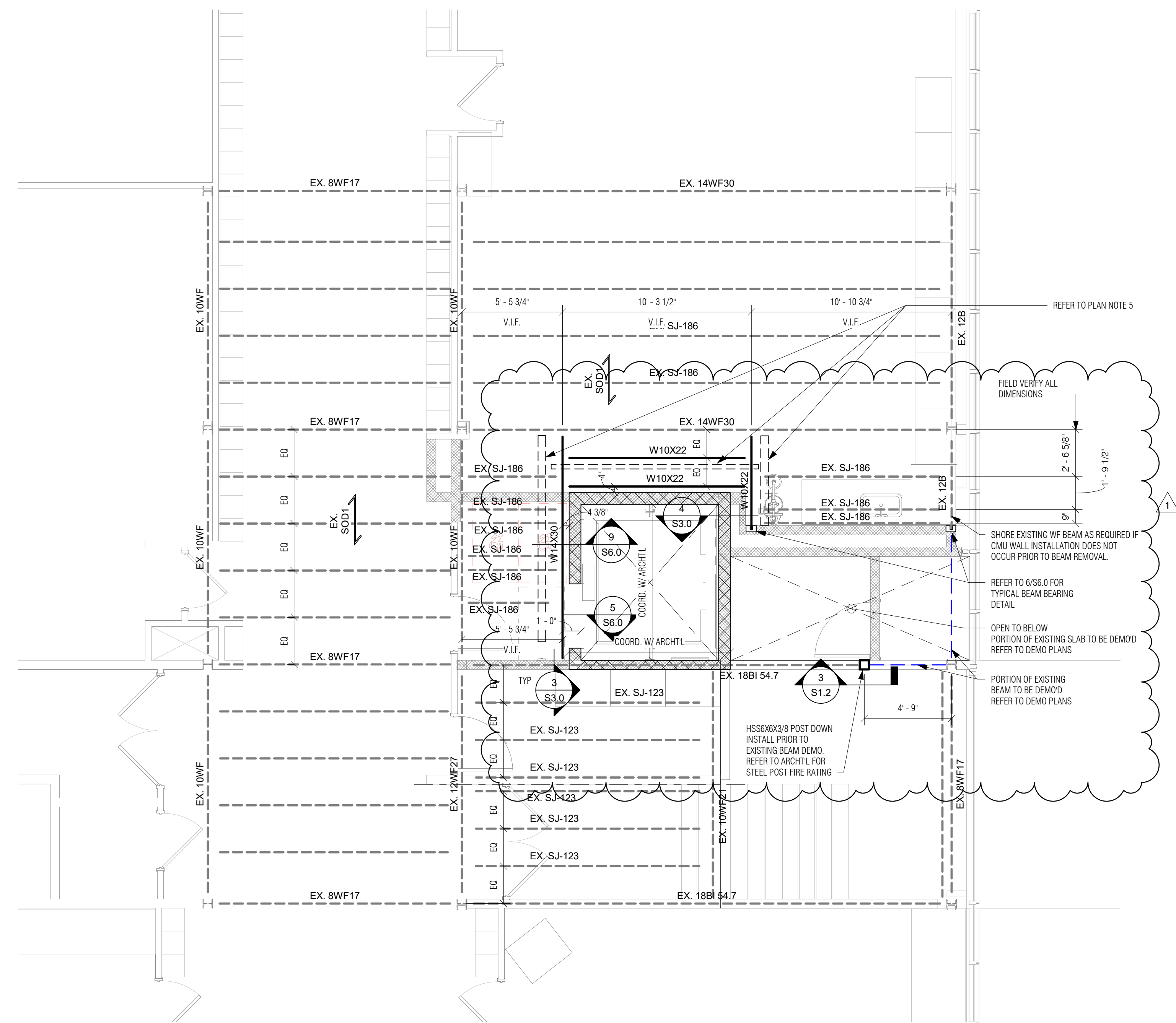
6 SECTION
3/4" = 1'-0"



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



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

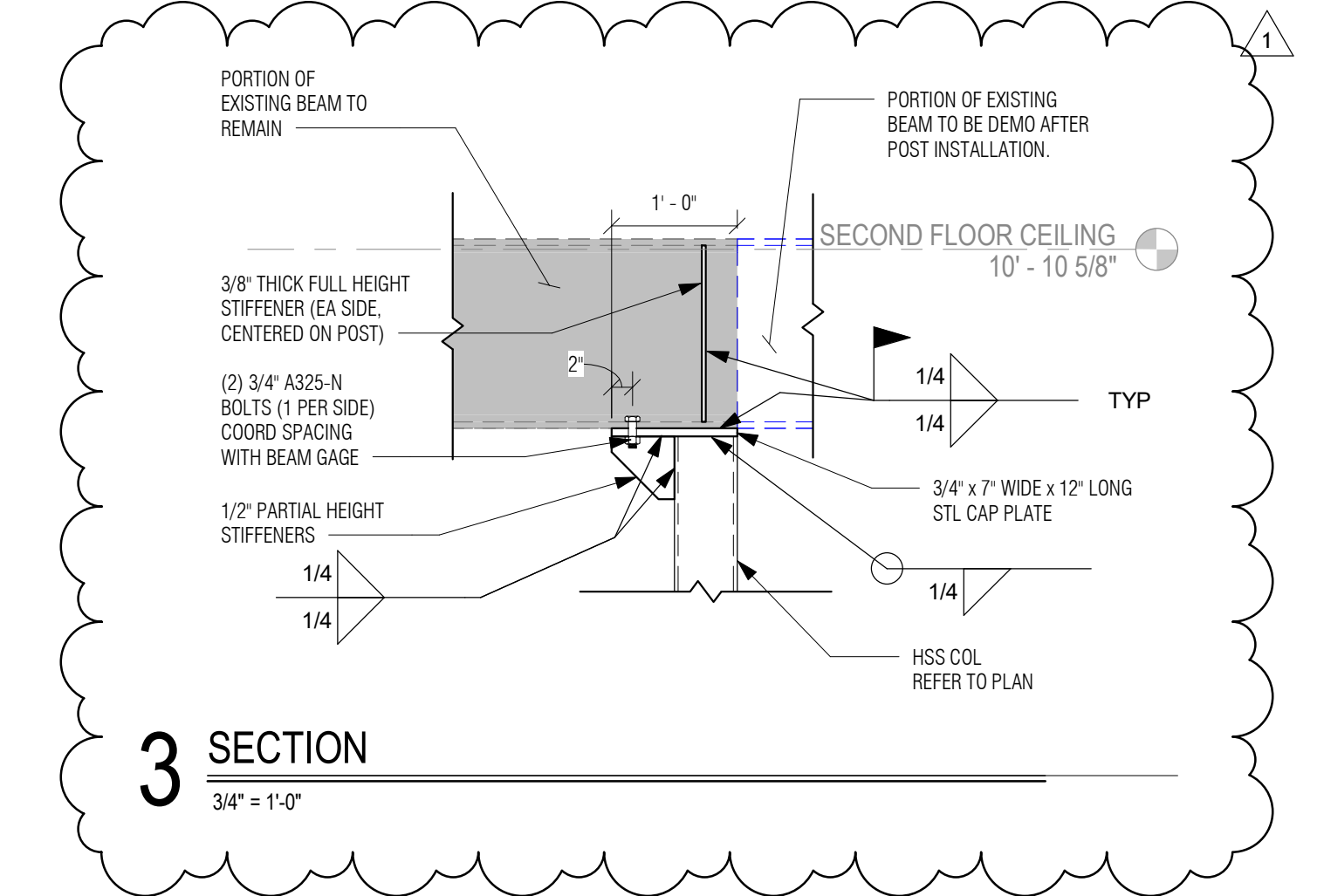


1 PARTIAL UPPER LEVEL FRAMING PLAN
1/4" = 1'-0"

FLOOR FRAMING NOTES

- EXISTING FRAMING IS BASED ON EXISTING STRUCTURAL DRAWINGS PREPARED BY WILCOX AND ERICKSON DATED 11/23/1960. ALL CONDITIONS DENOTED MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 - TOP OF FLOORWALL ELEVATIONS:

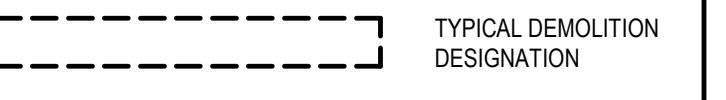
LOWER LEVEL	= +11'-0 3/4"
GROUND LEVEL	= +0'-0 1/8"
POST-3/4" SLAB	= +1'-3/8"
ROOF LEVEL	= +25'-2 7/8"
TOP OF ELEVATOR CMU WALL	= +25'-5/8"
 - BASED ON EXISTING DRAWINGS:
 A. TOP OF S.J. STEEL IS (-3") FROM TOP OF FLOOR SLAB
 B. TOP OF STRUCTURAL STEEL IS (-6") FROM TOP OF FLOOR SLAB
 - ALL BEAM FRAMING SHALL HAVE EQUAL SPACING BETWEEN COLUMNS, UNLESS NOTED OTHERWISE.
 - SHORE EXISTING SLAB AND FRAMING PRIOR TO DEMOLITION. SHORING SHOULD BE CONSISTENT DOWN TO THE FOUNDATION LEVEL. THE SHORING AND BRACING DESIGN SHALL BE SUBMITTED AS PART OF THE DELEGATED DESIGN REQUIREMENTS REFER TO THE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS RELATED TO DELEGATED DESIGN.
- EX SOD1 INDICATES EXISTING SLAB CONSTRUCTION: 2 1/2" CONCRETE ON 1/2" DEEP CORRUGATED METAL DECK (TOTAL 3" THICKNESS)
- EX S2 INDICATES EXISTING CONCRETE SLAB: 4 1/2" TOTAL THICKNESS ONE-WAY REINFORCED CONCRETE SLAB
- EX S3 INDICATES EXISTING CONCRETE SLAB: 4 1/2" TOTAL THICKNESS ONE-WAY REINFORCED CONCRETE SLAB
- EX S4 INDICATES EXISTING CONCRETE SLAB: 4" TOTAL THICKNESS ONE-WAY REINFORCED CONCRETE SLAB
- SOD1 FLOOR CONSTRUCTION: 3" NORMAL WEIGHT CONCRETE ON 2"-18ga LOK GALV. COMPOSITE FLOOR DECK (5" TOTAL THICKNESS) REINFORCED WITH 6#-W2.9W2.9 WELDED WIRE FABRIC (CHAIRS).



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

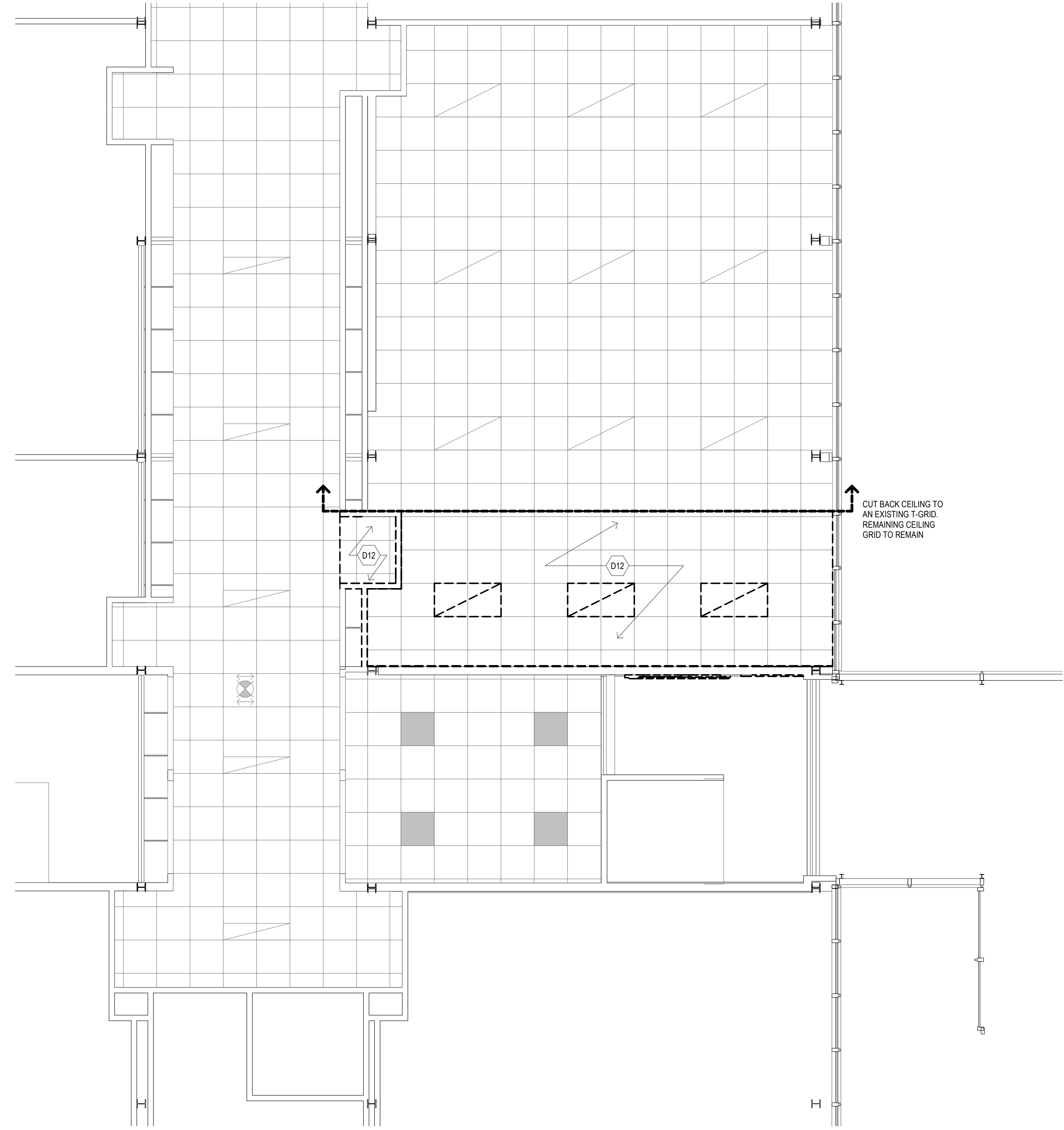
DEMOLITION GENERAL NOTES

1. READ ALL GENERAL NOTES ON DRAWING 0001.
2. PROPERLY DISPOSE OF ALL ITEMS IDENTIFIED IN DEMOLITION NOTES BELOW, UNLESS OTHERWISE NOTED AS "SALVAGE".
3. DEMOLITION TAGS WITHOUT LEADERS AND LOCATED BENEATH EXISTING ROOM NAMES SHALL APPLY IN ENTIRETY TO THE ROOM IN WHICH THEY ARE LOCATED.
4. COORDINATE ARCHITECTURAL DEMOLITION WORK WITH ALL OTHER TRADES, INCLUDING HAZARDOUS MATERIAL ABATEMENT DRAWINGS.
5. WHERE INCONSISTENCIES OCCUR, NOTIFY THE DESIGN TEAM AND ASSUME THE GREATER VALUE FOR BIDDING PURPOSES.
6. CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
7. SAW CUT AND REMOVE CONCRETE SLAB & SUB-BASE AT ALL AREAS AS NECESSARY TO ALLOW FOR NEW UNDERSLAB PIPING, CONDUIT, RADON PITS & UTILITIES. COORDINATE W/ MEPP/FF DRAWINGS.
8. PROVIDE NEW OPENINGS IN EXISTING WALLS AS NECESSARY FOR ALL NEW PENETRATIONS BY DUCT, PIPE, CONDUIT, ETC.
9. NOT ALL DEMOLITION NOTES ARE PRESENT ON EVERY DEMOLITION SHEET.
10. ITEMS IDENTIFIED WITH DASHED LINES, AS SHOWN BELOW, BUT WITHOUT TAGS SHALL BE ASSUMED AS ITEMS TO BE DEMOLISHED.

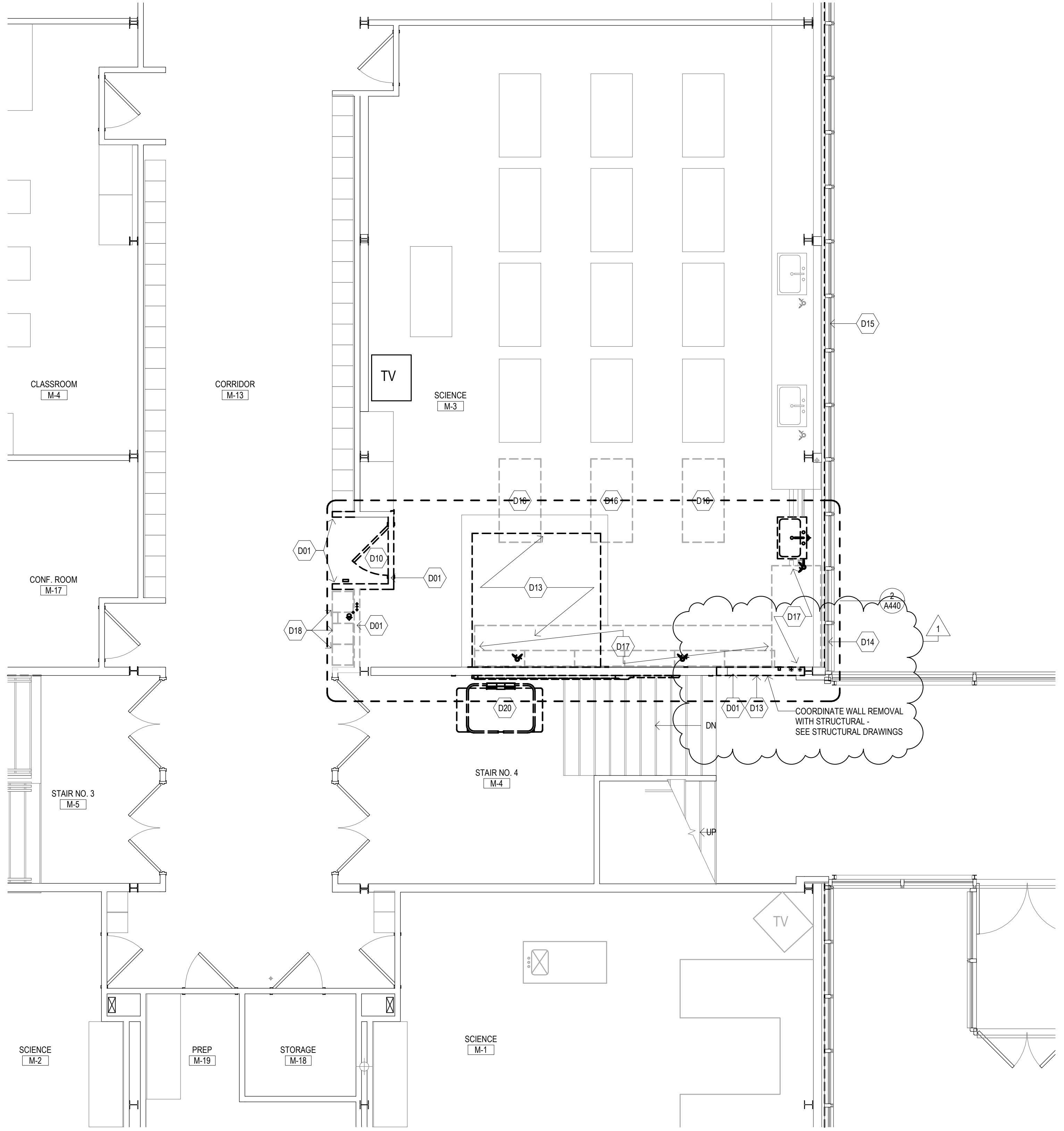


DEMOLITION NOTES

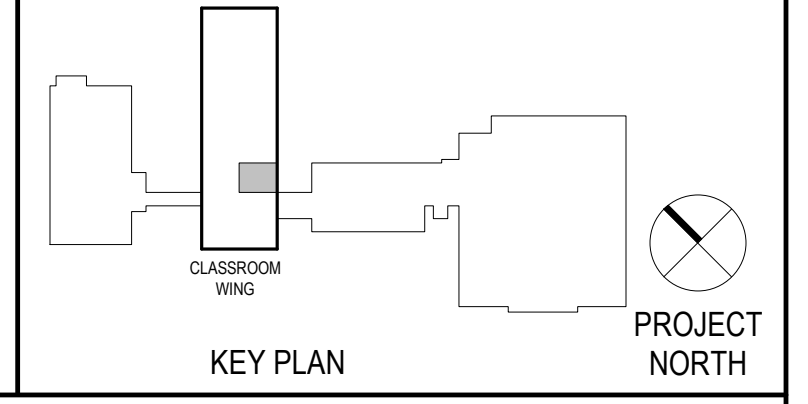
- | | |
|-----|--|
| D01 | REMOVE PORTION OF CMU WALL ASSEMBLY AND ASSOCIATED COMPONENTS FOR NEW SCHEDULED OPENING. TOOTH-OUTH AS REQUIRED. |
| D02 | SAW CUT AND REMOVE THE INDICATED PORTION OF THE EXISTING CONCRETE WALL AND ASSOCIATED REINFORCING & COMPONENTS FOR NEW SCHEDULED ELEVATOR DOOR OPENING. PROVIDE CLEAN, STRAIGHT, PLUMB EDGES AT ALL CUTS. BRACE AND SUPPORT ADJACENT CONSTRUCTION AS REQUIRED TO MAINTAIN STRUCTURAL STABILITY. COORDINATE WITH STRUCTURAL DRAWINGS. |
| D03 | REMOVE EXISTING POROUS TILE DRAIN TO BE REROUTED AROUND ELEVATOR PIT. MATCH EXISTING DRAIN ELEVATION. |
| D04 | REMOVE EXISTING CONCRETE WALL TO PROVIDE NEW MAINTENANCE ACCESS HATCH. PROVIDE CLEAN, STRAIGHT, PLUMB EDGES AT ALL CUTS. ROUND / CHASE INTERIOR EDGES TO PROVIDE A SMOOTHER SURFACE. SEE STRUCTURAL DRAWINGS. |
| D05 | DEMO PORTION OF FLOOR SLAB & ASSOCIATED MATERIALS AS REQUIRED TO BUILD AND INSTALL NEW ELEVATOR FOUNDATION, PIT, SLAB, AND SHAFT WALLS. SUPPORT REMAINING PORTION OF SLAB AS REQUIRED. SEE STRUCTURAL DRAWINGS. |
| D06 | DEMO PORTION OF FLOOR SLAB & ASSOCIATED MATERIALS AS REQUIRED FOR STRUCTURAL FOOTING. COORDINATE WITH STRUCTURAL DRAWINGS. |
| D07 | REMOVE EXISTING CRAWL SPACE ACCESS HATCH, PANEL, AND LADDER AND ALL ASSOCIATED COMPONENTS. |
| D08 | REMOVE EXISTING METAL BAR GRATING STAIR AND ALL ASSOCIATED COMPONENTS. |
| D10 | REMOVE EXISTING DOOR, GLAZING IF APPLICABLE, FRAME, HARDWARE AND ALL ASSOCIATED COMPONENTS. |
| D11 | REMOVE EXISTING GYPSUM CEILING SYSTEM, PLASTER SOFFITS, ASSOCIATED FRAMING AND ALL ASSOCIATED COMPONENTS. |
| D12 | REMOVE EXISTING ACOUSTIC CEILING TILE SYSTEM AS REQUIRED TO COMPLETE DEMOLITION & CONSTRUCTION. SUPPORT EXISTING TO REMAIN AS REQUIRED AND COORDINATE WITH MEP DRAWINGS. |
| D13 | REMOVE PORTION OF EXISTING FLOOR, INCLUDING ANY FINISHES. COORDINATE REMOVAL OF CONCRETE SLAB FOR ELEVATOR SHAFT. COORDINATE WITH STRUCTURAL DRAWINGS. |
| D14 | REMOVE & SALVAGE FOR REINSTALL EXISTING EXIT RESCUE WINDOW IN CLASSROOM, INCLUDING GLAZING, FRAME, HARDWARE, FLASHINGS, ETC. |
| D15 | REMOVE EXISTING WINDOW GLAZING, INCLUDING FRAME, HARDWARE, FLASHINGS, ETC. - PREP OPENING FOR REINSTALLATION OF EXIT RESCUE WINDOW. |
| D16 | REMOVE LAB TABLES & STOOLS FROM CLASSROOMS. RETURN TO OWNER. |
| D17 | REMOVE BASE CABINET, SOLID SURFACE COUNTERTOP AND WALL CABINETS. COORDINATE REMOVAL OF MEP SYSTEMS WITHIN CASEWORK. RETURN TO OWNER. REMOVE PLUMBING FIXTURES, SUPPORT FRAMES AND ASSOCIATED HARDWARE. SEE ALSO PLUMBING DRAWINGS. |
| D18 | REMOVE METAL LOCKERS & RETURN TO OWNER. SALVAGE FOR REINSTALL. SEE CONSTRUCTION PLAN. |
| D19 | REMOVE TALL STORAGE CABINETS & SALVAGE AS REQUIRED TO BE REINSTALLED. SEE CONSTRUCTION PLAN. |
| D20 | UPON ACTIVATION OF THE NEW ELEVATOR, REMOVE EXISTING HANDICAP LIFT SYSTEM (LUA) & ALL ASSOCIATED COMPONENTS. COORDINATE WITH ELECTRICAL DEMO. |



2 MAIN LEVEL DEMO RCP
1/4" = 1'-0"



1 MAIN LEVEL DEMOLITION PLAN
1/4" = 1'-0"



Project Title:
**ADA IMPROVEMENTS / ELEVATOR AT:
 WESTERN MIDDLE SCHOOL**
 1 WESTERN JR HIGHWAY
 GREENWICH CT 06830



SILVER PETRUCCI + ASSOCIATES
 3190 WHITNEY AVENUE HAMDEN CT 06518
 311 STATE STREET NEW LONDON CT 06320
 203 230 9007 silverpetrucci.com

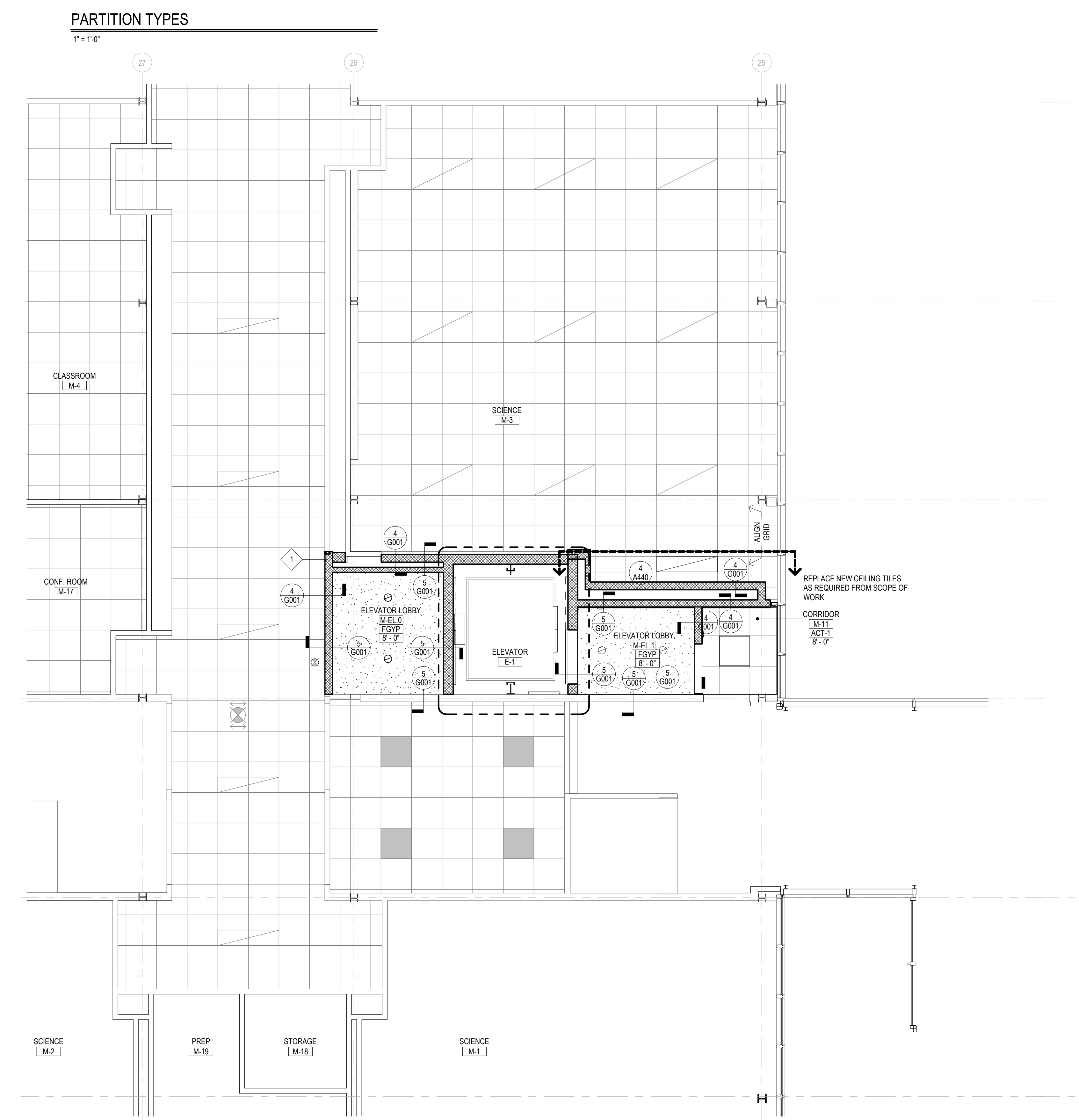
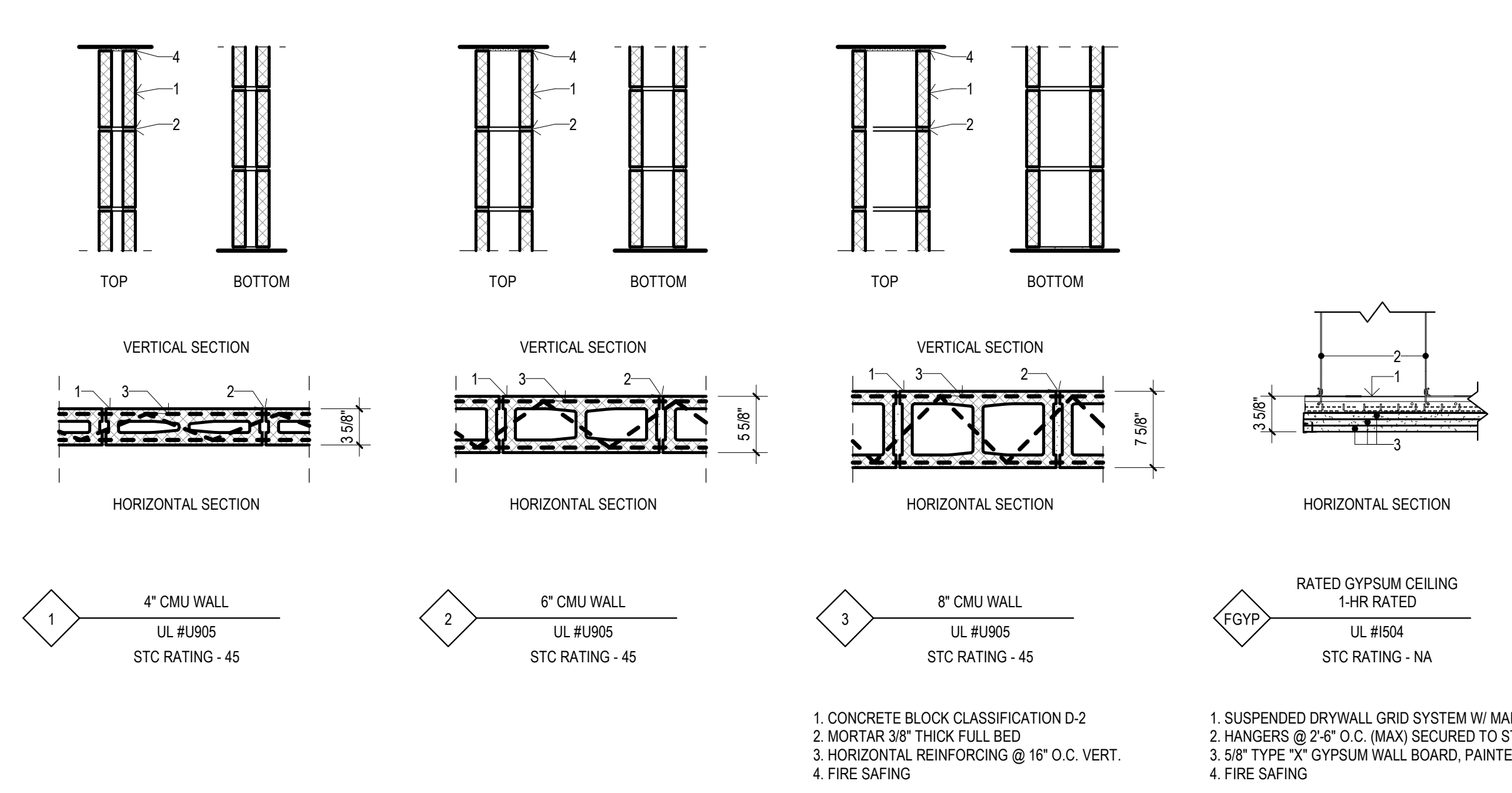
Revision	Description	Date	Revised By
1	ADDENDUM #8	04/07/2026	M. JAEKLE

Drawing Title:
DEMOLITION PLANS - MAIN LEVEL

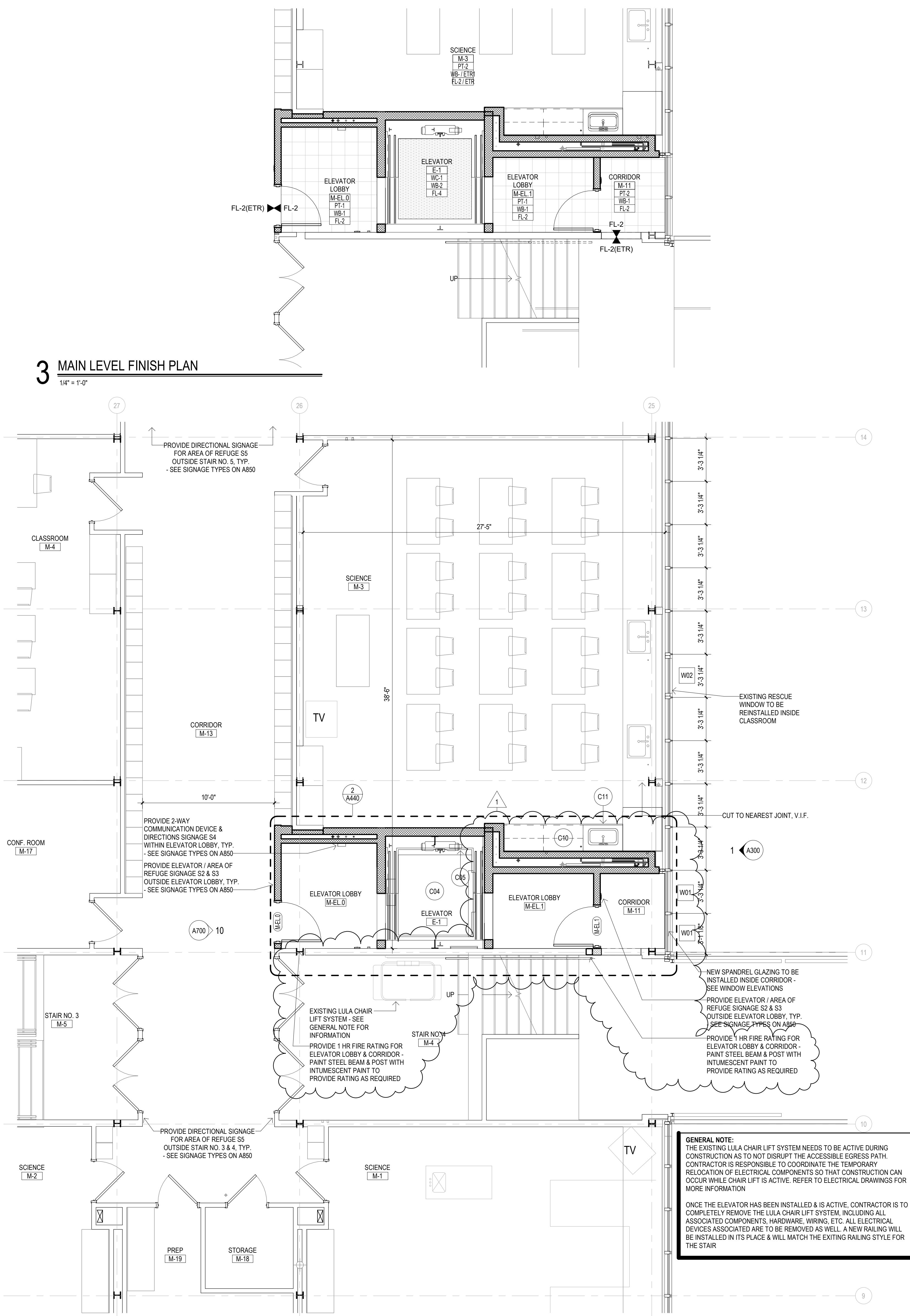
Project Submission:
ISSUED FOR BID

Date: 01/30/2026
 Scale: As Indicated
 Drawn By: M. JAEKLE
 Project Number: 23.097

A011



2 MAIN LEVEL RCP
1/4" = 1'-0"



3 MAIN LEVEL FINISH PLAN
1/4" = 1'-0"

SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- EXISTING WALL
- 101A - DOOR NUMBER
- XX - WINDOW TYPE
- ROOM NAME - ROOM NAME
- ### - ROOM NUMBER
- 1A - PARTITION TYPE
- Cxx - CONSTRUCTION NOTE
- 2 - EXTERIOR ELEVATION NUMBER
- A101 - SHEET NUMBER
- 2 - INTERIOR ELEVATION NUMBER
- A101 - SHEET NUMBER
- A400 - BUILDING SECTION NUMBER
- A400 - SHEET NUMBER
- 1 - WALL SECTION NUMBER
- A400 - SHEET NUMBER

- GENERAL NOTES**
- READ ALL GENERAL NOTES ON DRAWING G001.
 - INTERIOR PARTITION DIMENSIONS ARE FROM OUTSIDE FACE OF GWB, MASONRY, OR CONCRETE. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
 - PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY NEW WORK.
 - ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
 - WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.

RCP SYMBOL LEGEND

ROOM / CEILING TAG

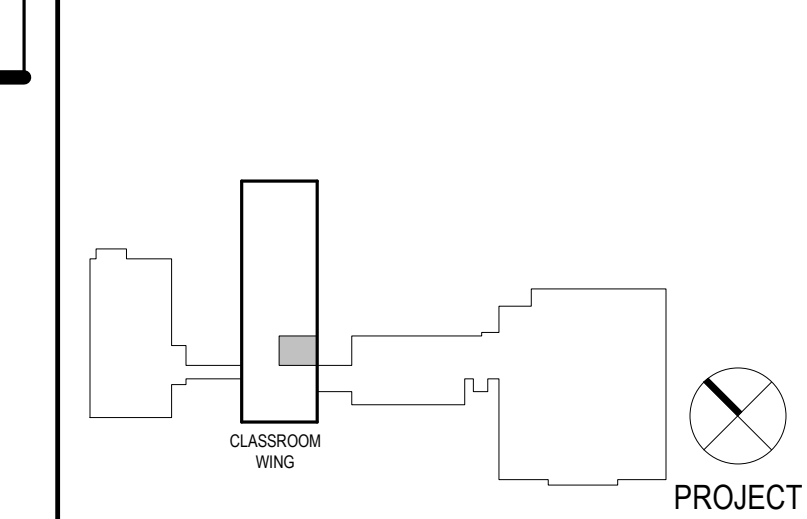
ROOM NUMBER → OFFICE → ROOM NAME
ACT-1 → CEILING FINISH
CEILING HEIGHT → 9'-0" → REFER TO PROJECT MANUAL SCHEDULE OF FINISHES

SECONDARY CEILING TAG

CEILING HEIGHT → ACT-1 → CEILING FINISH
9'-0" → REFER TO PROJECT MANUAL SCHEDULE OF FINISHES

- ACUSTICAL CEILING TILES & GRID W SUPPORTS
- PAINTED GYPSUM BOARD CEILING
- EXIT SIGN, REFER TO ELECTRICAL DRAWINGS
- RECESSED LIGHT FIXTURES, REFER TO ELECTRICAL DRAWINGS
- LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- PENDENT STYLE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS
- RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS
- CONCEALED SPINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
- EXPOSED SPINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
- PLAN/SECTION/DETAIL NUMBER
- SHEET NUMBER

- CONSTRUCTION NOTES**
- C01 PROVIDE NEW METAL STAIR WITH LANDING, FOR MORE INFORMATION SEE PROJECT MANUAL.
 - C03 INFILL EXISTING OPENINGS WHERE DOORS WERE REMOVED. SAW-CUT AS REQUIRED TO TOOTH-IN NEW INFILL.
 - C04 PROVIDE NEW ELEVATOR SHAFT - SEE ENLARGED PLANS FOR INFORMATION.
 - C05 PROVIDE NEW ELEVATOR SYSTEM & ASSOCIATED COMPONENTS, REFER TO PROJECT MANUAL FOR MORE INFORMATION.
 - C06 INSTALL NEW 2'-0" X 2'-0" MAINTENANCE ACCESS HATCH TO MECHANICAL AREA.
 - C07 PROVIDE NEW COLUMN AND ASSOCIATED FOOTINGS AND COMPONENTS. COORDINATE WITH STRUCTURAL DRAWINGS.
 - C08 PROVIDE NEW HOLLOW METAL FRAMES, WOOD DOORS, HARDWARE & ASSOCIATED COMPONENTS. TOOTH-IN NEW CMUS AS REQUIRED. SEE DOOR SCHEDULE AND DETAILS FOR MORE INFORMATION.
 - C10 INSTALL NEW BASE AND UPPER CABINETS AND COUNT, SEE ELEVATIONS AND DETAILS.
 - C11 INSTALL NEW SINK, COORDINATE WITH PLUMBING DRAWINGS.
 - C13 INSTALL NEW EYE WASH STATION. COORDINATE WITH PLUMBING DRAWINGS.
 - C15 INSTALL RELOCATED TALL STORAGE CABINETS & SHELVES.



Project Title:
**ADA IMPROVEMENTS / ELEVATOR AT:
WESTERN MIDDLE SCHOOL**
1 WESTERN JR HIGHWAY
GREENWICH CT 06830



SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision	Description	Date	Revised By
1	ADDENDUM #8	04/07/2026	M. JAEKLE

Drawing Title:
FLOOR PLANS - MAIN LEVEL

Project Submission:
ISSUED FOR BID

State Project Number:

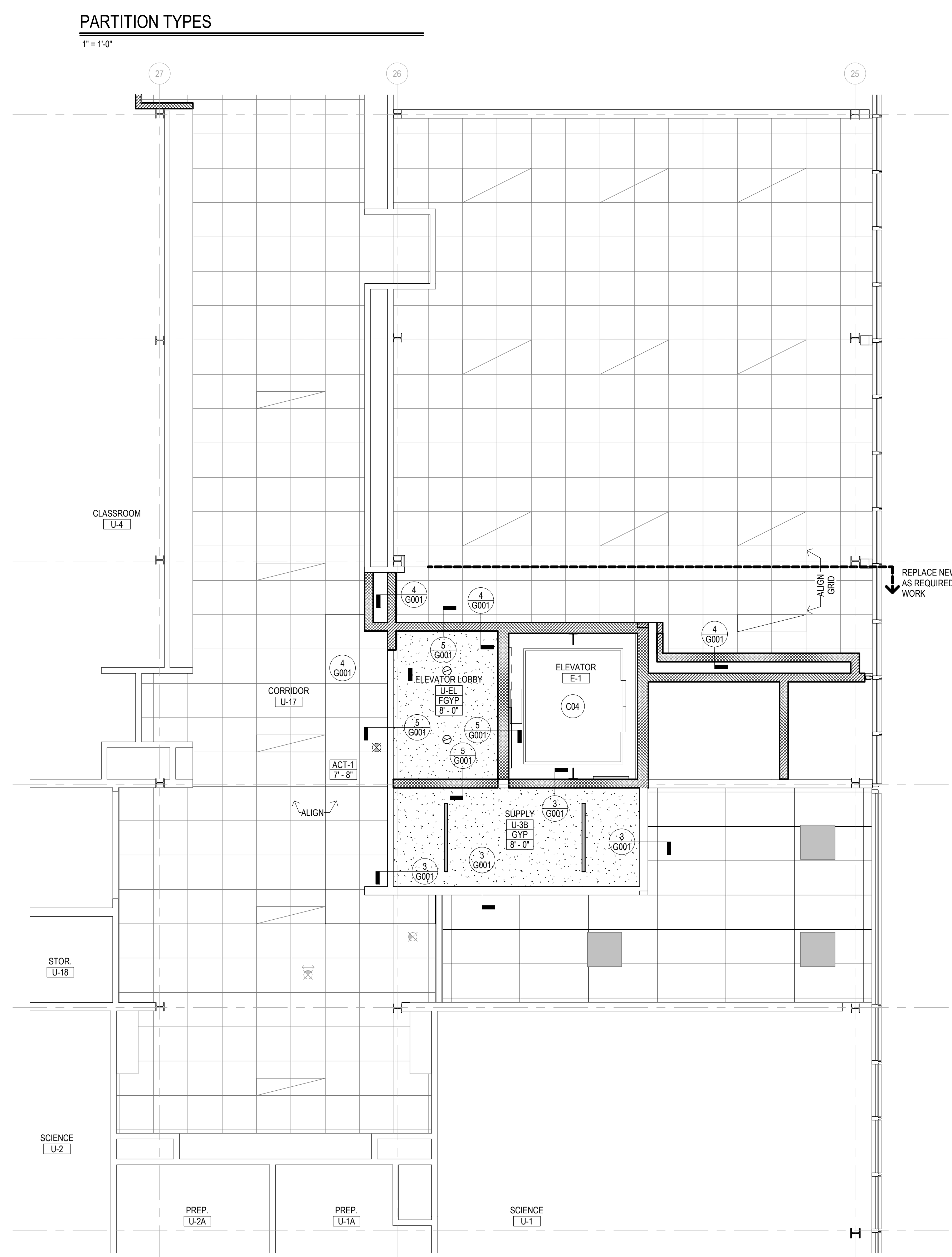
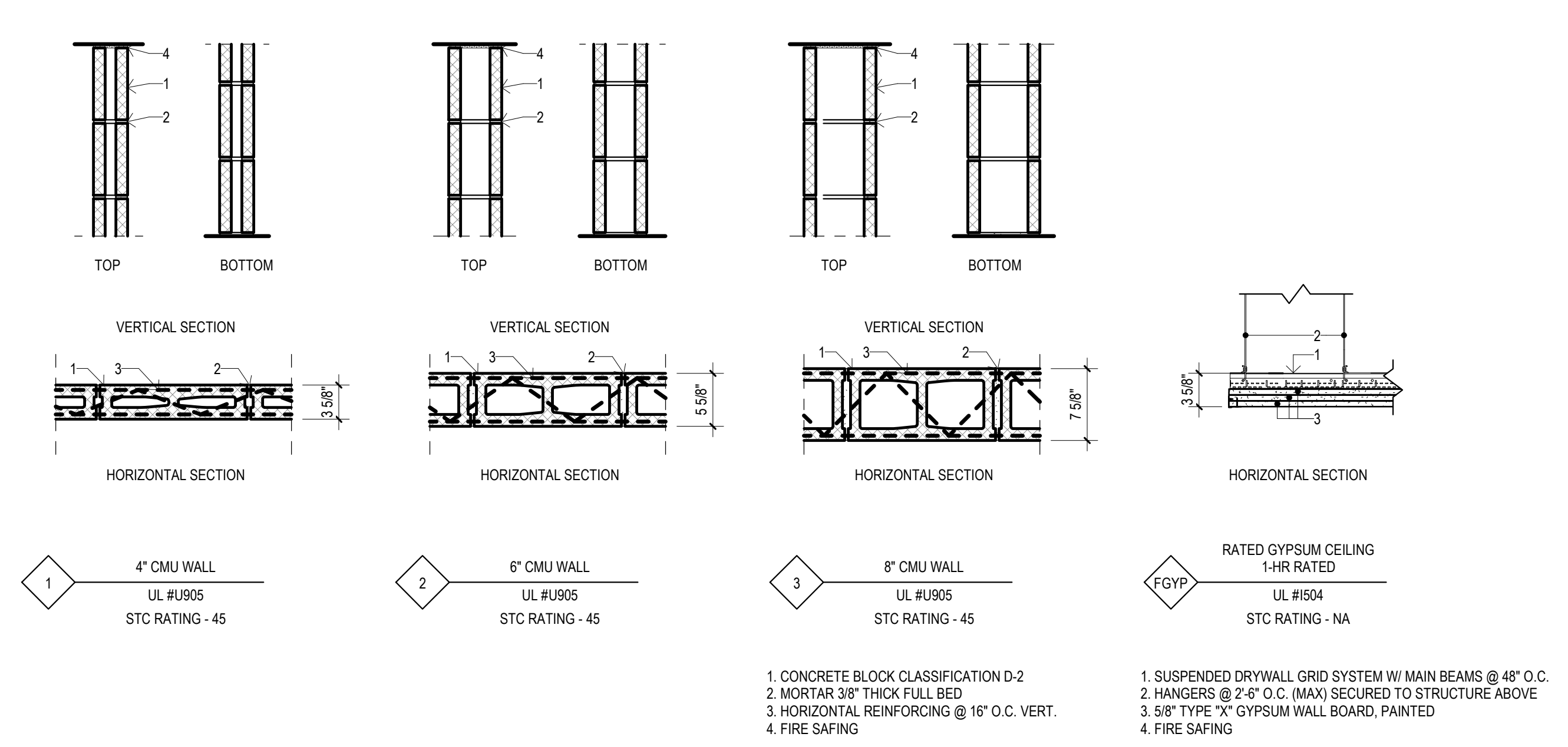
Date:
01/30/2026

Scale:
As Indicated

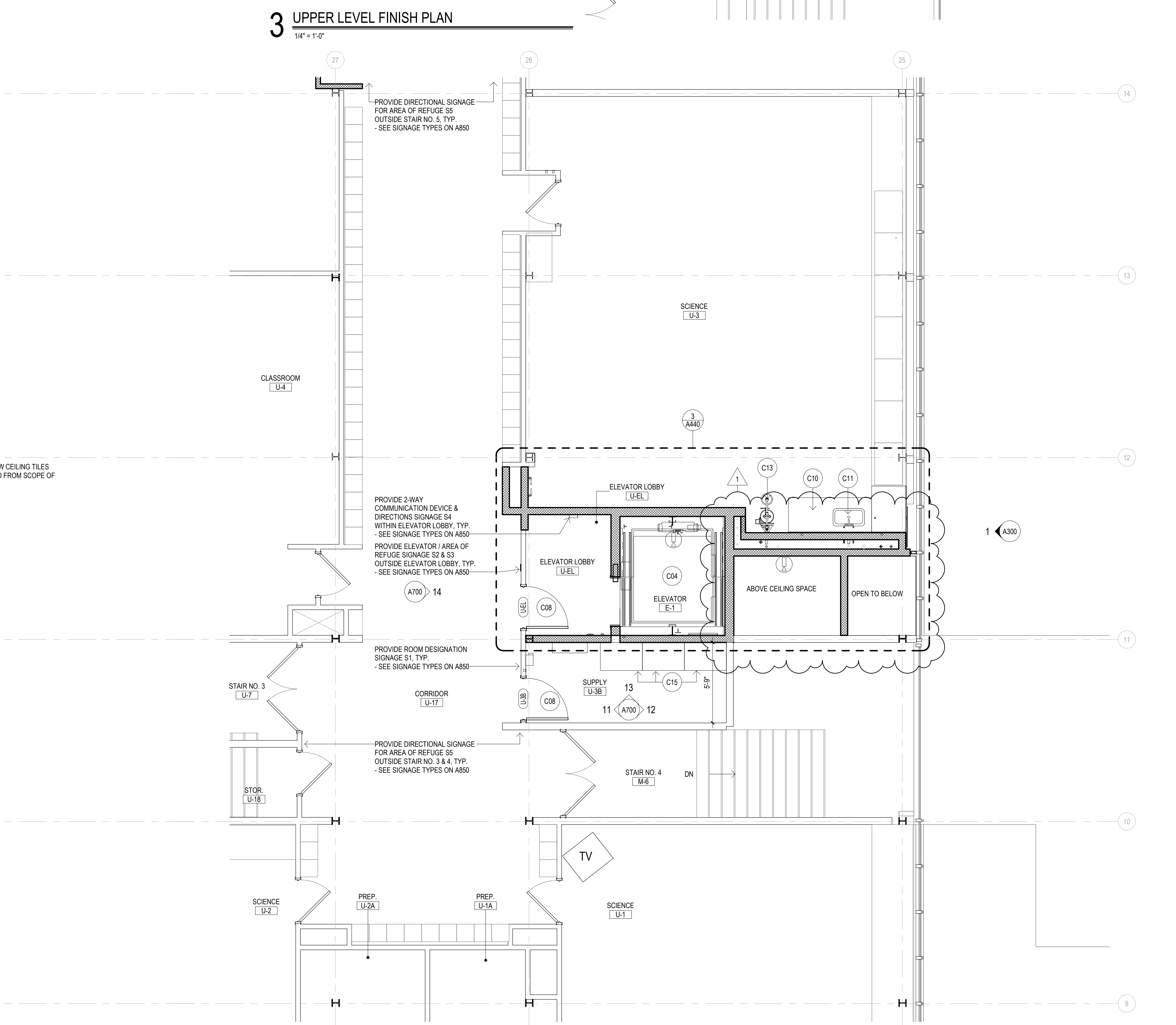
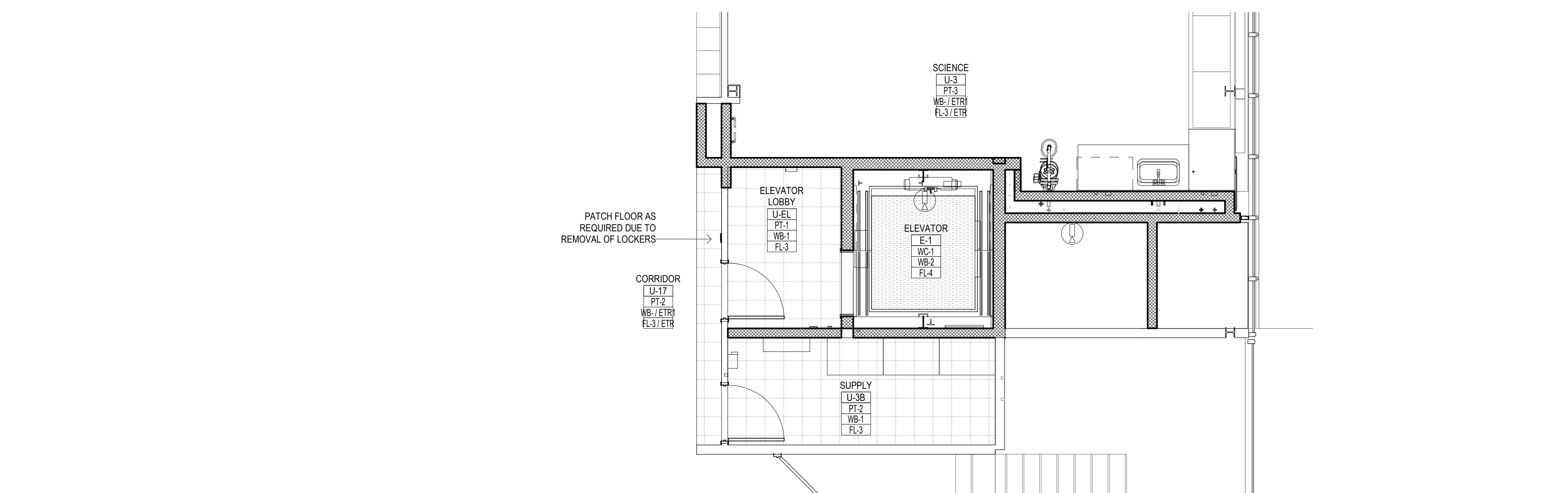
Drawn By:
M. JAEKLE

Project Number:
23.097

Drawing Number:
A101



2 UPPER LEVEL RCP
1/4" = 1'-0"



1 UPPER LEVEL PLAN
1/4" = 1'-0"

SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- EXISTING WALL
- (E 101 A) - DOOR NUMBER
- XX - WINDOW TYPE
- ROOM NAME - ROOM NAME
- ### - ROOM NUMBER
- 1A - PARTITION TYPE
- Cxx - CONSTRUCTION NOTE
- 2 - EXTERIOR ELEVATION NUMBER
- A101 - SHEET NUMBER
- 2 - INTERIOR ELEVATION NUMBER
- A101 - SHEET NUMBER
- A400 - BUILDING SECTION NUMBER
- A400 - SHEET NUMBER
- 1 - WALL SECTION NUMBER
- A400 - SHEET NUMBER

- GENERAL NOTES**
1. READ ALL GENERAL NOTES ON DRAWING G001.
 2. INTERIOR PARTITION DIMENSIONS ARE FROM OUTSIDE FACE OF GWB, MASONRY, OR CONCRETE. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
 3. PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY NEW WORK.
 4. ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
 5. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
 6. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.

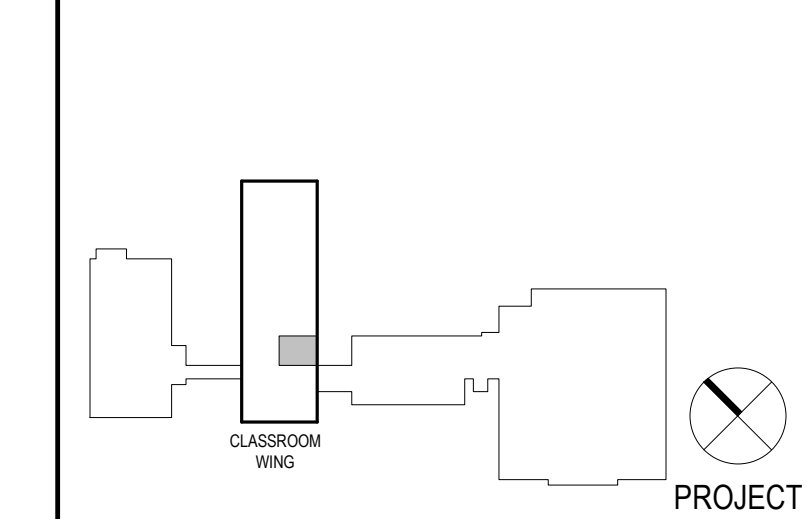
RCP SYMBOL LEGEND

ROOM CEILING TAG
ROOM NUMBER → OFFICE → ROOM NAME
ACT-1 → CEILING FINISH
CEILING HEIGHT → 9'-0" → REFER TO PROJECT MANUAL SCHEDULE OF FINISHES

SECONDARY CEILING TAG
ACT-1 → CEILING FINISH
9'-0" → REFER TO PROJECT MANUAL SCHEDULE OF FINISHES

- ACUSTICAL CEILING TILES & GRID W/ SUPPORTS
- PAINTED GYPSUM BOARD CEILING
- EXIT SIGN, REFER TO ELECTRICAL DRAWINGS
- RECESSED LIGHT FIXTURES, REFER TO ELECTRICAL DRAWINGS
- LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- PENDENT STYLE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS
- RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS
- CONCEALED SPINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
- EXPOSED SPINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
- PLAN/SECTION/DETAIL NUMBER
- SHEET NUMBER

- CONSTRUCTION NOTES**
- C01 PROVIDE NEW METAL STAIR WITH LANDING, FOR MORE INFORMATION SEE PROJECT MANUAL.
 - C03 INFILL EXISTING OPENINGS WHERE DOORS WERE REMOVED. SAW-CUT AS REQUIRED TO TOOTH-IN NEW INFILL.
 - C04 PROVIDE NEW ELEVATOR SHAFT - SEE ENLARGED PLANS FOR INFORMATION.
 - C05 PROVIDE NEW ELEVATOR SYSTEM & ASSOCIATED COMPONENTS, REFER TO PROJECT MANUAL FOR MORE INFORMATION.
 - C06 INSTALL NEW 2'-0" X 2'-0" MAINTENANCE ACCESS HATCH TO MECHANICAL AREA.
 - C07 PROVIDE NEW COLUMN AND ASSOCIATED FOOTINGS AND COMPONENTS. COORDINATE WITH STRUCTURAL DRAWINGS.
 - C08 PROVIDE NEW HOLLOW METAL FRAMES, WOOD DOORS, HARDWARE & ASSOCIATED COMPONENTS. TOOTH-IN NEW CMUS AS REQUIRED. SEE DOOR SCHEDULE AND DETAILS FOR MORE INFORMATION.
 - C10 INSTALL NEW BASE AND UPPER CABINETS AND COUNT, SEE ELEVATIONS AND DETAILS.
 - C11 INSTALL NEW SINK, COORDINATE WITH PLUMBING DRAWINGS.
 - C13 INSTALL NEW EYE WASH STATION, COORDINATE WITH PLUMBING DRAWINGS.
 - C15 INSTALL RELOCATED TALL STORAGE CABINETS & SHELVES.



Project Title:
**ADA IMPROVEMENTS / ELEVATOR AT:
WESTERN MIDDLE SCHOOL**
1 WESTERN JR HIGHWAY
GREENWICH CT 06830



SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	ADDENDUM #8	04/07/2026	M. JAEKLE

Drawing Title:
FLOOR PLANS - UPPER LEVEL

Date: 01/30/2026
Scale:
As Indicated
Drawn By: M. JAEKLE
Project Number: 23.097

ISSUED FOR BID

Project Number: 23.097

PROJECT GENERAL NOTES

GENERAL

- WHEN A CONFLICT BETWEEN THE DRAWINGS, NOTES AND/OR SPECIFICATIONS OCCUR, THE MORE STRINGENT, AND/OR LARGER QUANTITY AND/OR MORE EXPENSIVE SHALL APPLY. THE REQUIREMENTS LISTED WITHIN NOTES OR SPECIFICATIONS SHALL BE REQUIRED, PROVIDED AND INSTALLED WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT.
- ALL WORK AND ACTION DEPICTED AND DESCRIBED SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
- REPAIR AND/OR REPLACE AT NO COST TO THE OWNER ALL EQUIPMENT, DEVICES AND MATERIALS DAMAGED DURING CONSTRUCTION.
- ALL EQUIPMENT SHALL BE LOCATED IN ACCESSIBLE LOCATIONS. WHEN A PIECE OF EQUIPMENT MUST BE LOCATED ABOVE AN INACCESSIBLE CEILING OR WALL, THEN AN APPROPRIATE ACCESS DOOR SHALL BE PROVIDED. THESE SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT.
- ANY COP REQUEST FOR ELECTRICAL WORK AFTER AWARD MUST BE BASED ON NORMAL NECA COMMERCIAL LABOR UNITS & NATIONAL AVERAGE MATERIAL, ANP MATERIAL COST PRICES, NATIONAL AVERAGE AMP DATA BASE FOR MATERIAL, AND NECA LABOR RATES MUST BE SUBMITTED TO THE ENGINEER OF RECORD AT THE TIME OF AWARD.

WIRING & RACEWAY

- THE DRAWINGS SHOW THE GENERAL LAYOUT AND TYPICAL DETAILS. PROVIDE ALL NECESSARY EQUIPMENT AND LABOR FOR A COMPLETE SYSTEM. DRAWINGS ARE BASED ON THE SPECIFIED EQUIPMENT, RACEWAY LAYOUTS, BOXES AND WIRING OF THE SYSTEMS ARE SUBJECT TO APPROVED SHOP DRAWINGS.
- ENSURE THAT ITEMS TO BE FURNISHED FIT THE SPACE AVAILABLE. MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS, AND PROVIDE SUCH SIZES AND EQUIPMENT THAT FINAL INSTALLATION SHALL SATISFY THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
- LOCATIONS OF OUTLETS, SWITCHES, APPLIANCES, ETC. AS SHOWN ON ELECTRICAL PLANS ARE APPROXIMATE. COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS AND DETAILS, AND PROJECT CONDITIONS. INSTALL SWITCHES WITH "OFF" POSITION DOWN. INSTALL RECEPTACLES WITH GROUNDING POLE IN THE UP POSITION FOR VERTICAL MOUNTING AND AT RIGHT FOR HORIZONTAL MOUNTING.
- LOCATE AND INSTALL ELECTRICAL EQUIPMENT, JUNCTION AND PULL BOXES, PANELBOARDS, SWITCHES, CONTROLS, AND OTHER APPARATUS REQUIRING MAINTENANCE, INSPECTION, AND OPERATION SO AS TO BE READILY ACCESSIBLE.

RACEWAY INSTALLATION

- IN ALL ARCHITECTURALLY FINISHED SPACES, CONDUITS AND CABLES SHALL BE RUN CONCEALED IN HUNG OR FURRED CEILING, SLABS, MASONRY, AND PARTITIONS UNLESS OTHERWISE INDICATED. SAW CUTTING AND FINISHED PATCHING SHALL BE REQUIRED IN EXISTING SLABS AND MASONRY WALLS. IN UNFINISHED SPACES, RACEWAYS MAY BE RUN EXPOSED.
- UNLESS OTHERWISE INDICATED, EXACT ROUTING OF RACEWAYS SHALL BE DETERMINED BY THE CONTRACTOR TO SUIT PROJECT REQUIREMENTS AND FIELD CONDITIONS.
- PROVIDE SEPARATE RACEWAYS, JUNCTION BOXES, PULL BOXES AND WIREWAYS FOR ALL EMERGENCY SYSTEM WIRING.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED SLICES AND SEALS FOR PIPES OR CONDUITS PENETRATING WALLS OR FLOOR SLABS WITH UL LISTED FIRE RATING. SEALANT MATCHING OR EXCEEDING THE FLOOR OR WALL RATING WHERE REQUIRED.
- ELECTRICAL CONDUITS AND BOXES SHALL BE CONCEALED IN WALLS OR ABOVE CEILING WHEREVER POSSIBLE. WHERE SURFACE CONDUIT(S) ARE REQUIRED IT MUST MATCH THE WALL COLOR (PAINTED) THAT IT IS BEING ATTACHED TO; REFER TO RACEWAY & BOX SPECIFICATION FOR FURTHER DETAILS.

WIRING INSTALLATION

- DO NOT USE WIRE SMALLER THAN NO. 12 AWG FOR ANY POWER OR LIGHTING CIRCUIT. USE LARGER SIZES WHERE INDICATED, AS REQUIRED BY CODES, AND AS FOLLOWS:
30 AMPERE CIRCUIT: NO. 10
40 AMPERE CIRCUIT: NO. 8
50 AMPERE CIRCUIT: NO. 6
60 AMPERE CIRCUIT: NO. 4
- MINIMUM HOMERUN AND BRANCH CIRCUIT WIRING SIZES AND MAXIMUM HOMERUN CONDUIT FILL FOR 120 VOLT, 20 AMPERE CIRCUITS SHALL BE AS FOLLOWS:

CIRCUIT	HOMERUN	CONDUIT SIZE
LENGTH	WIRE SIZE	(# WIRE/CONDUIT)
0' - 50'	#12	#12 3/4"
51' - 100'	#12	#10 3/4"
101' - 200'	#10	#8 1"

 GREATER THAN 200' - REQUEST DIRECTION FROM ARCHITECT.
- NOTE: PROVIDE DERATING PER CODE WHEN INSTALLING MORE THAN 3 CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT.
- MINIMUM HOMERUN AND BRANCH CIRCUIT WIRING SIZES AND MAXIMUM HOMERUN CONDUIT FILL FOR 277 VOLT, 20 AMPERE CIRCUITS SHALL BE AS FOLLOWS:

CIRCUIT	HOMERUN	CONDUIT SIZE
LENGTH	WIRE SIZE	(# WIRE/CONDUIT)
0' - 100'	#12	#12 3/4"
101' - 200'	#12	#10 3/4"

 GREATER THAN 200' - REQUEST DIRECTION FROM ARCHITECT.

NOTE: PROVIDE DERATING PER CODE WHEN INSTALLING MORE THAN 3 CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT.

- DO NOT USE WIRE SMALLER THAN NO. 14 AWG FOR CONTROL CIRCUITS UNLESS OTHERWISE RECOMMENDED BY THE EQUIPMENT OR SYSTEMS MANUFACTURER ON WIRING SHOP DRAWINGS, AND SO APPROVED BY THE ENGINEER.
- WHERE GREATER THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE INSTALLED IN ANY ONE CONDUIT OR CABLE, CONDUCTORS MUST BE DERATED AND SIZES INCREASED, IF NEEDED, TO ACCOMMODATE CONDITIONS DERATING AS REQUIRED BY NEC ARTICLE 310.
- CONDUCTORS SHALL BE COMPLETELY INSTALLED AND CONNECTED. PROVIDE ALL TERMINALS, LUGS, AND CONNECTORS TO SUIT THE APPLICATION, AND IN COMPLIANCE WITH EQUIPMENT MANUFACTURERS' RECOMMENDATIONS.

MECHANICAL EQUIPMENT WIRING

- UNLESS OTHERWISE INDICATED OR SPECIFIED HEREIN, ALL MOTORS, MOTOR STARTERS, MOTOR CONTROLLERS, VARIABLE SPEED/FREQUENCY DRIVES, AND ASSOCIATED CONTROL DEVICES ARE FURNISHED BY DIVISION 23 AND INSTALLED UNDER THIS DIVISION. ALL LOCAL DISCONNECT SWITCHES UNLESS OTHERWISE NOTED ARE FURNISHED AND INSTALLED UNDER THIS DIVISION. COORDINATE INSTALLATION AND LOCATIONS WITH OTHER DIVISION CONTRACTORS.
- POWER WIRING FROM THE INDICATED SOURCE TO THE STARTER/CONTROLLER/DRIVE UNIT, AND FROM THE STARTER/CONTROLLER/DRIVE UNIT TO THE MOTOR, INCLUDING ANY LOCAL DISCONNECT SWITCHES PROVIDED AND INSTALLED BY THIS DIVISION, AND ALL ASSOCIATED LUGS, TERMINALS, AND CONNECTIONS, ARE THE WORK OF THIS DIVISION.
- CONTROL CIRCUIT WIRING IS GENERALLY FURNISHED AND INSTALLED UNDER OTHER DIVISIONS, EXCEPT THAT ANY SUCH WIRING SHOWN ON ELECTRICAL DRAWINGS IS WORK OF THIS DIVISION.
- PROVIDE 120 VOLT POWER TO ALL TEMPERATURE CONTROL PANELS (TCP's) SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. USE EMERGENCY POWER SOURCES WHEN AVAILABLE. COORDINATE ALL POWER REQUIREMENTS AND PANEL LOCATIONS WITH TEMPERATURE CONTROLS CONTRACTOR.
- COOPERATE AND COORDINATE WITH OTHER TRADES IN THE INSTALLATION, CONNECTION, AND TESTING OF MECHANICAL EQUIPMENT. PERFORM WORK OF THIS SECTION IN ACCORDANCE WITH EQUIPMENT MANUFACTURERS' INSTRUCTIONS.

GROUNDING INSTALLATION

- EQUIPMENT GROUNDING
 - INSTALL AN INSULATED GROUND CONDUCTOR, RUN IN THE RACEWAY WITH THE PHASE CONDUCTORS, FOR EACH FEEDER SERVING PANELBOARDS, LIGHTING DIMMER PANELS, MOTOR CONTROL CENTERS, MOTORS, EQUIPMENT AND APPLIANCES UNLESS OTHERWISE NOTED.
 - INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL CONDUIT RUNS CONTAINING SECTIONS OF FLEXIBLE CONDUIT UNLESS OTHERWISE NOTED.
 - INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL BRANCH CIRCUIT RACEWAYS OR CABLES UNLESS OTHERWISE NOTED.
- TELECOMMUNICATIONS CLOSET GROUNDING
 - PROVIDE A #4 AWG GROUND CONDUCTOR RISER IN 1" EMT CONDUIT TO EACH TELECOMMUNICATIONS CLOSET GROUNDING BUSBAR (TGB) FROM THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB), AND TO MAIN SERVICE GROUNDING ELECTRODE SYSTEM.
 - CONNECT THE GROUND RISER TO THE TMGB AND TGB'S PER TABLES STANDARDS 607.
 - PROVIDE ADDITIONAL #4 AWG GROUND CABLE CONNECTIONS FROM EACH TMGB AND TGB TO THE CLOSEST BUILDING STEEL AND TO THE GROUND BUS IN THE ELECTRIC PANEL. FEEDING OUTLETS AND EQUIPMENT IN THE ASSOCIATED TELECOMMUNICATIONS ROOM/CLOSET.
 - GROUND EACH TELECOMMUNICATIONS, FIRE ALARM, SECURITY, AND BMS SYSTEM EQUIPMENT AND CONTROL PANEL WITHIN EACH TELECOMMUNICATIONS ROOM/CLOSET TO THE ASSOCIATED CLOSET TMGB OR TGB WITH #4 AWG CONDUCTOR PER TABLE STANDARD 607.

RACEWAYS FOR TELECOMMUNICATION SYSTEMS

- PROVIDE EMPTY CONDUIT SYSTEMS FOR TELECOMMUNICATION WORK, COMPLETE WITH PULL BOXES, OUTLET BOXES, AND CONDUIT AS INDICATED ON THE DRAWINGS.
- PROVIDE MINIMUM INSIDE BENDING RADIUS OF 10 TIMES CONDUIT INSIDE DIAMETER FOR ALL TELECOMMUNICATIONS RACEWAYS.
- WHEN COMPLETED THE CONDUIT SYSTEMS SHALL BE READY FOR INSTALLATION OF WIRING AND EQUIPMENT.
- FOR EACH OUTLET PROVIDE A 1" EMPTY EMT CONDUIT ROUTED INTO THE CEILING CAVITY OR TO THE CLOSEST TELECOMMUNICATIONS CLOSET. PROVIDE A PULL STRING IN EACH CONDUIT RUN AND TERMINATE BEYOND THE BUSHED ELBOW.

ELEVATOR EQUIPMENT WIRING

- WORK INCLUDED
 - ELEVATOR EQUIPMENT WIRING INCLUDES POWER SERVICE CONNECTIONS, TELEPHONE SERVICE CONNECTIONS, PUBLIC ADDRESS SYSTEM CONNECTIONS AND FIRE ALARM SYSTEM CONNECTIONS.
 - ELEVATOR CONTROL WIRING AND INTERLOCK CONTROLS ARE NOT INCLUDED.
- COMPONENTS
 - PROVIDE DISTRIBUTION PANELBOARD CIRCUIT BREAKER AND SHUNT-TRIP ELEVATOR MACHINE ROOM FUSED DISCONNECT WITH DRY CONTACTS FOR ELEVATOR DRIVE UNIT POWER, AND POWER WIRING COMPLETE TO THE DRIVE UNIT.
 - PROVIDE BRANCH CIRCUITS FOR ELEVATOR CAR LIGHTS, MACHINE ROOM GFI RECEPTACLE, AND MACHINE ROOM LIGHTS; USE EMERGENCY POWER WHERE AVAILABLE.
 - PROVIDE CONDUIT FOR ELEVATOR COMMUNICATIONS SYSTEM.
 - PROVIDE CONDUIT AND WIRE FOR ELEVATOR RECALL SYSTEM; COORDINATE REQUIREMENTS WITH FIRE ALARM SYSTEM.
 - PROVIDE ELEVATOR PIT, TOP OF SHAFT AND MACHINE ROOM LIGHTS, RECEPTACLES AND SWITCHES PER CODE.
 - PROVIDE CONNECTIONS FOR ELEVATOR PIT SUMP PUMP (WHERE REQUIRED).
 - PROVIDE HEAT DETECTORS AT THE TOP OF THE SHAFT, PIT (WHERE REQUIRED) AND MACHINE ROOM AND INTERLOCK WITH DRIVE UNIT POWER SUPPLY TO DISCONNECT POWER UPON SENSING OF FIRE AND BEFORE ACTIVATION OF ANY SPRINKLER HEADS.

- PROVIDE LOCKING MECHANISMS FOR OVERCURRENT DEVICES ON BRANCH CIRCUITS SERVING ELEVATOR EQUIPMENT INCLUDING CAB PIT AND MACHINE ROOM LIGHTING, VENTILATION, RECEPTACLES AND CONTROLLER POWER.
- COORDINATION
 - COORDINATE ENTIRE INSTALLATION WITH ELEVATOR SYSTEM SUPPLIER PRIOR TO COMMENCEMENT OF WORK.
 - IF THE HORSEPOWER RATING OF THE EQUIPMENT FURNISHED BY THE ELEVATOR SUPPLIER DIFFERS FROM THE HORSEPOWER LISTED ON THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING ANY WORK AND OBTAIN DIRECTION.

- UNLESS OTHERWISE INDICATED OR SPECIFIED HEREIN, ALL MOTORS, MOTOR STARTERS, MOTOR CONTROLLERS, VARIABLE SPEED/FREQUENCY DRIVES, AND ASSOCIATED CONTROL DEVICES ARE FURNISHED BY DIVISION 23 AND INSTALLED UNDER THIS DIVISION. ALL LOCAL DISCONNECT SWITCHES UNLESS OTHERWISE NOTED ARE FURNISHED AND INSTALLED UNDER THIS DIVISION. COORDINATE INSTALLATION AND LOCATIONS WITH OTHER DIVISION CONTRACTORS.
- POWER WIRING FROM THE INDICATED SOURCE TO THE STARTER/CONTROLLER/DRIVE UNIT, AND FROM THE STARTER/CONTROLLER/DRIVE UNIT TO THE MOTOR, INCLUDING ANY LOCAL DISCONNECT SWITCHES PROVIDED AND INSTALLED BY THIS DIVISION, AND ALL ASSOCIATED LUGS, TERMINALS, AND CONNECTIONS, ARE THE WORK OF THIS DIVISION.
- CONTROL CIRCUIT WIRING IS GENERALLY FURNISHED AND INSTALLED UNDER OTHER DIVISIONS, EXCEPT THAT ANY SUCH WIRING SHOWN ON ELECTRICAL DRAWINGS IS WORK OF THIS DIVISION.
- PROVIDE 120 VOLT POWER TO ALL TEMPERATURE CONTROL PANELS (TCP's) SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. USE EMERGENCY POWER SOURCES WHEN AVAILABLE. COORDINATE ALL POWER REQUIREMENTS AND PANEL LOCATIONS WITH TEMPERATURE CONTROLS CONTRACTOR.
- COOPERATE AND COORDINATE WITH OTHER TRADES IN THE INSTALLATION, CONNECTION, AND TESTING OF MECHANICAL EQUIPMENT. PERFORM WORK OF THIS SECTION IN ACCORDANCE WITH EQUIPMENT MANUFACTURERS' INSTRUCTIONS.

COORDINATION DRAWINGS

- DEVELOP AND SUBMIT COORDINATION DRAWINGS AS OUTLINED.
 - SHEET METAL, PLUMBING AND FIRE PROTECTION SHOP DRAWINGS THAT HAVE BEEN COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. DRAWINGS MUST BE RETURNED FROM ENGINEER EITHER "REVISED" OR "FURNISH AS CORRECTED" PRIOR TO BEING USED AS BASIS FOR COORDINATION DRAWINGS.
 - AFTER SHEET METAL AND PIPING DRAWINGS HAVE BEEN REVISED PER ENGINEERS COMMENTS, REPRODUCIBLE COPIES SHALL BE SENT TO THE TRADES IN THE FOLLOWING SEQUENCE FOR INCLUSION OF THEIR WORK:
 - MECHANICAL SHEET METAL
 - PLUMBING PIPING
 - MECHANICAL PIPING
 - SPRINKLER PIPING
 - ELECTRICAL WORK
 - AFTER ALL TRADES HAVE INCLUDED THEIR WORK ON THE COORDINATION DRAWING AND NOTED CONFLICTS, ALL TRADES SHALL MEET TO RESOLVE CONFLICTS AND AGREE TO ACCEPTABLE SOLUTIONS. EACH TRADE SHALL SIGN COORDINATION DRAWINGS. ITEMS NOT SHOWN ON COORDINATION DRAWINGS IS RESPONSIBILITY OF OMITTING CONTRACTOR AND CONTRACTOR IS SUBJECT TO ADDITIONAL COSTS INCURRED BY OTHER TRADES.
 - THE ARCHITECT AND ENGINEER ARE NOT PART OF THE COORDINATION DRAWING PROCESS. THE ENGINEER WILL PROVIDE ASSISTANCE FOR NOTED CONFLICTS ONLY. COORDINATION DRAWINGS ARE NOT TO BE CONSIDERED PIPING OR DUCT SHOP DRAWINGS. THE CONTRACTOR IS REQUIRED TO SUBMIT INDIVIDUAL PIPING AND DUCTWORK SHOP DRAWINGS FOR REVIEW BY THE ENGINEER. PIPING AND DUCTWORK SHOP DRAWINGS SHALL FOLLOW THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.
 - SUBMIT FINAL SIGNED COORDINATION DRAWING TO ENGINEER FOR REVIEW. ENGINEER WILL REVIEW COORDINATION DRAWINGS FOR GENERAL ARRANGEMENT AND FOR NOTED CONFLICTS ONLY. SPECIFIC INSTALLATION REQUIREMENTS WILL BE REVIEWED ONLY IN INDIVIDUAL TRADE SHOP DRAWINGS.
 - ANY WORK FABRICATED OR INSTALLED PRIOR TO SIGN OFF BY ALL TRADES WHICH IS DEEMED TO BE IN CONFLICT WITH COORDINATION DRAWINGS SHALL BE REMOVED AND RE-INSTALLED IN CONFORMANCE WITH COORDINATION DRAWINGS AT NO ADDITIONAL COST TO THE OWNER.
 - EACH CONTRACTOR (MENTIONED ABOVE) ARE RESPONSIBLE FOR COORDINATION OF THEIR SUB-CONTRACTORS.
 - THE OVERALL COORDINATION OF THE COORDINATION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER IS NOT RESPONSIBLE FOR THE COORDINATION PROCESS. THE ENGINEER WILL RESPOND TO QUESTIONS THAT ARISE FROM THE COORDINATION PROCESS. DRAWINGS SUBMITTED WILL BE REVIEWED FOR CLEARLY IDENTIFIED CONFLICTS ONLY. SOLUTIONS TO CONFLICTS WILL NOT BEAR ADDITIONAL COST.

AS BUILT DRAWINGS

- PROVIDE COMPLETE SET OF AS-BUILT DRAWINGS REFLECTING AS INSTALLED CONDITIONS. AS-BUILT DRAWINGS SHALL INDICATE ALL INSTALLED CONDITIONS OF SYSTEMS WITHIN THIS DISCIPLINE. DRAWINGS SHALL BE SIMILAR SCALE AS THE CONSTRUCTION DOCUMENTS AND INCLUDE DETAILS AS NECESSARY TO CLEARLY REFLECT THE INSTALLED CONDITION. DRAWINGS SHALL BE BOUND IN A COMPLETE AND CONSECUTIVE SET. SUPPLEMENTAL SKETCHES AND LOOSE PAPERWORK WILL NOT BE ACCEPTABLE AND WILL BE RETURNED FOR REVISION. THE CONTRACTOR SHALL COMPLY WITH THE ENGINEERS COMMENTS TO PRODUCE A CLEAR AND CONCISE SET OF DRAWINGS. DRAWINGS SHALL BE SUBMITTED IN BOTH HARD COPY AND ELECTRONICALLY (AUTOCAD VERSION AS REQUIRED BY OWNER) VERSION. NUMBER OF COPIES OF EACH AS REQUESTED BY THE OWNER.

ELECTRICAL SYMBOL LEGEND (NOT ALL MAY BE USED)

	INTERCOM SUBSTATION		FIRE ALARM MONITORING MODULE DEVICE		CORD REEL, SEE FLOOR PLANS FOR DETAILS		3-WAY SWITCH; MOUNT AT 48" AFF		DISTRIBUTION PANEL, 480/277 OR 120/208V
	WALL MOUNTED CLOCK		FIRE ALARM CONTROL MODULE DEVICE		ELECTRICAL ALARM BELL		4-WAY SWITCH; MOUNT AT 48" AFF		ELECTRICAL PANEL, 480/277V
	COMBINATION CLOCK/SPEAKER		EMERGENCY POWER OFF SWITCH (EPO)		CALL-FOR-AID CORRIDOR LIGHT/BUZZER, MOUNT AT 7'-6" AFF		DUAL TECHNOLOGY, OCCUPANCY SENSOR SWITCH, MOUNT AT 48" AFF		ELECTRICAL PANEL, 120/208V
	VOLUME CONTROL SWITCH; MOUNT AT 48" A.F.F		GARAGE DOOR OPERATOR		CALL-FOR-AID SWITCH, MOUNT AT 36" AFF WITH PULL CORD HANGING DOWN TO 6" AFF		DIMMING SWITCH; MOUNT AT 48" AFF, COMPATIBLE WITH LOAD CONTROLLED		PANELBOARD FLUSH MOUNTED, 120/208V
	PUSH PLATE DOOR OPERATOR, PROVIDED WITH DOOR HARDWARE WIRED BY CONTRACTOR		BRANCH CIRCUIT HOMERUN (PANEL/CIRCUIT DESIGNATION)		MULTI-LOCATION DIMMING SWITCH; MOUNT AT 48" AFF, COMPATIBLE WITH LOAD CONTROLLED		KEYED SINGLE POLE SWITCH; MOUNT AT 48" AFF		PANELBOARD SURFACE MOUNTED, 120/208 V
	CARD READER		BRANCH CIRCUIT WIRING		KEYED 3-WAY SWITCH; MOUNT AT 48" AFF		KEYED 4-WAY SWITCH; MOUNT AT 48" AFF		NON-FUSED DISCONNECT SWITCH
	DOOR CONTACT		CONTROL CIRCUIT WIRING		SINGLE POLE SWITCH WITH PILOT LIGHT; MOUNT AT 48" AFF		FUSED DISCONNECT SWITCH		WALL MOUNTED JUNCTION BOX, ACCORDING TO NEC REQUIREMENTS
	SECURITY KEYPAD		CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR (INFRARED/ULTRASONIC) WITH 360° COVERAGE		CEILING MOUNTED HIGH BAY DUAL TECHNOLOGY OCCUPANCY SENSOR (15-45 FT HIGH MOUNTING RANGE) WITH 360° COVERAGE		3-WAY SWITCH WITH PILOT LIGHT; MOUNT AT 48" AFF		JUNCTION BOX FOR MULTIPURPOSE; REFER TO ABBREVIATIONS LIST FOR LETTERS NEXT TO BOX
	EXTERIOR SECURITY CAMERA		WALL OR CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR (INFRARED/ULTRASONIC) WITH 180° COVERAGE		FIRE ALARM MANUAL PULL STATION - 48" AFF U.O.N.		SINGLE RECEPTACLE; MOUNT AT 18" AFF UNLESS OTHERWISE SPECIFIED		RECESSED LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE; EM INDICATES EMERGENCY
	INTERIOR DOME SECURITY CAMERA		FIRE ALARM AUDIO/VISUAL DEVICE - 80" AFF U.O.N.		FIRE ALARM STROBE LIGHT - 80" AFF U.O.N.		DUPLEX RECEPTACLE; MOUNT AT 18" AFF UNLESS OTHERWISE SPECIFIED		TYPICAL WALL MOUNTED LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE
	WALL MOUNTED DATA JACK; #D DEPICTS # OF JACKS NEEDED, PROVIDE 1 OTHERWISE.		SMOKE DETECTOR; "R" DENOTES ELEVATOR RECALL DEVICE		CARBON MONOXIDE DETECTOR		TYPICAL RECESSED LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE		LIGHT FIXTURE CONNECTED TO THE EMERGENCY DISTRIBUTION SYSTEM OR INVERTER
	CEILING MOUNTED WIRELESS ACCESS POINT - #D DEPICTS # OF JACKS NEEDED, PROVIDE 1 OTHERWISE.		HEAT DETECTOR; 135° U.O.N., ST DENOTES FOR ELEVATOR SHUNT TRIP		TYPICAL LINEAR RECESSED LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE; EM INDICATES EMERGENCY		TYPICAL PENDANT/CHAN HUNG LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE; EM INDICATES EMERGENCY		TYPICAL SURFACE MOUNTED LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE; EM INDICATES EMERGENCY
	COAX JACK		DUCT MOUNTED IONIZATION SMOKE DETECTOR		TYPICAL SHOEBOX LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE		TYPICAL EXTERIOR WALL MOUNTED LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE		SPECIAL OUTLET CONFIGURATION, COORDINATE NEMA# WITH EQUIPMENT & RATING WITH PANEL SCHEDULE
	CEILING MOUNTED DATA JACK; #D DEPICTS # OF JACKS NEEDED, PROVIDE 1 OTHERWISE.		TAMPER SWITCH		QUAD RECEPTACLE; MOUNT AT 18" AFF UNLESS OTHERWISE SPECIFIED		CEILING MOUNTED EXIT SIGN, SHADING INDICATES DIRECTION OF FIXTURE FACE, ARROW INDICATES DIRECTION OF CHEVRON, PROVIDE UNSWITCHED POWER FROM AREA LIGHTING CIRCUIT PORTION		DOUBLE FACE EXIT SIGN
	DATA JACK; #DW DEPICTS # OF JACKS NEEDED, PROVIDE 1 OTHERWISE.		FLOW SWITCH		SPECIAL OUTLET CONFIGURATION, COORDINATE NEMA# WITH EQUIPMENT & RATING WITH PANEL SCHEDULE		CEILING MOUNTED DUPLEX RECEPTACLE; PROVIDE FLUSH MOUNTED BOX		SINGLE POLE SWITCH OR DISCONNECT; MOUNT AT 48" AFF, OR AT EQUIPMENT
	FLOOR MOUNTED DATA JACK; #D DEPICTS # OF JACKS NEEDED, PROVIDE 1 OTHERWISE.		PRESSURE SWITCH		MAGNETIC DOOR HOLD OPEN		TEST SWITCH WITH REMOTE INDICATOR LIGHT FOR DUCT SMOKE DETECTOR, NUMBER INDICATES QUANTITY AT THAT LOCATION		
	VOICE JACK; #V DEPICTS # OF JACKS NEEDED, PROVIDE 1 OTHERWISE.		MAGNETIC DOOR HOLD OPEN						
	TRUMPET WALL SPEAKER								
	EXTERIOR WALL SPEAKER / HORN								
	CEILING MOUNTED SPEAKER								
	WALL MOUNTED SPEAKER								
	INTERCOM MASTER STATION								

Project Title:
**ADA IMPROVEMENTS / ELEVATOR ADDITION AT:
WESTERN MIDDLE SCHOOL
1 WESTERN JR HIGHWAY
GREENWICH, CT 06830**



SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision	Description	Date	Revised By
1	ADDENDUM #8	04/07/2026	SEC

Drawing Title:
**SYMBOLS, NOTES, ABBREVIATIONS &
DRAWING LIST**
Project Phase:
ISSUED FOR BID
Date/Project Number:

Drawing Number:
E001
Date: 01/30/2026
Scale: NONE
Drawn By: S. CROTEAU
Project Number: 23.097

DEMOLITION AND REMOVAL NOTES

- THE EXISTING FACILITY WILL BE PARTIALLY OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
- WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING THE OCCUPIED PORTION OF THE FACILITY, CONFIRM WITH THE OWNER AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
- WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY FEEDERS, CONNECTIONS, CIRCUIT PROTECTION, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO THE OCCUPIED AREAS.
- NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATIONS CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION.
- THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT NOT INCLUDED IN THIS WORK, AND TO PERFORM ALL REQUIRED SERVICING AND REPAIRS TO SAME, AT ALL TIMES.
- IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED OPERATIONS OF THE BUILDING.
- COMPARE THE PLANS WITH THE EXISTING CONDITIONS TO DETERMINE THE AMOUNT OF WORK AFFECTED. REMOVE ALL UNUSED EXPOSED CIRCUIT WORK, OUTLETS, FIXTURES AND THE LIKE NOT REQUIRED BY THE ALTERATIONS.
- IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE FOR THE CONTINUANCE OF ELECTRICAL SERVICES PRESENTLY INSTALLED IN THE UNALTERED AREAS. PROVIDE ALL CONDUIT, WIRING, AND DEVICES NECESSARY TO MAINTAIN SERVICES TO THESE AREAS.
- REMOVE MATERIALS REQUIRED TO BE REMOVED AND NOT REINSTALLED UNDER THIS DIVISION OF WORK, UNLESS OTHERWISE INDICATED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE SITE.
- WHERE FEEDERS AND BRANCH CIRCUITS OR DEVICES AND EQUIPMENT ARE INDICATED TO BE REMOVED, CONDUCTORS AND CABLES SHALL BE COMPLETELY REMOVED BACK TO THEIR SOURCE. EXPOSED OR ACCESSIBLE CONDUITS SHALL BE REMOVED COMPLETELY. CONDUITS EMBEDDED IN CONCRETE OR MASONRY SHALL BE CUT OFF FLUSH AND THE SURFACE PATCHED SMOOTH AND LEVEL.
- REMOVED MATERIALS SHALL BE DISPOSED OF USING A LICENSED CARTING SERVICE.
- CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT IN OR ON WALLS THAT ARE TO BE REMOVED - MAINTAIN CONTINUITY OF ALL EXISTING BRANCH CIRCUITRY TO EXISTING ROOMS - NOT BEING RENOVATED, REPAIR ALL EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN AS REQUIRED. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR WALLS BEING REMOVED - REFER TO CONSTRUCTION SCHEDULE FOR TIME DELAY.
- OUTAGES OF EXISTING ELECTRICAL LIGHTING, POWER, AND SIGNAL SYSTEMS NECESSITATED BY WORK OF ALL TRADES SHALL BE IN ACCORDANCE WITH FIELD SCHEDULES BY THE GENERAL CONTRACTOR AND OWNER. INCLUDE ALL ELECTRICAL WORK OVERTIME AND SUPERVISION TO COMPLY - CONTRACTOR SHALL OBTAIN OWNERS AND GENERAL CONTRACTORS APPROVAL PRIOR TO DISRUPTING OF EXISTING ELECTRICAL SYSTEMS.
- CONTRACTOR TO MAINTAIN CONTINUITY AND ACCESSIBILITY OF ALL EXISTING SYSTEMS AND SYSTEM EQUIPMENT FEEDERS WHICH MAY BE DISRUPTED FROM WORK OF OTHER TRADES.
- ANY EXISTING ELECTRICAL WORK WHICH IS PULLED OUT OR CUT AWAY SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE GENERAL CONTRACTOR AND THE OWNER.
- EXISTING ELECTRICAL EQUIPMENT WHICH IS NOT TO BE REUSED SHALL BE REMOVED FROM DRYWALL PARTITIONS, ANY OPENING IN THE EXISTING PARTITIONS BY REMOVAL OF EXISTING ELECTRICAL EQUIPMENT SHALL BE PATCHED BY THIS CONTRACTOR WITH MATERIALS TO MATCH EXISTING.
- FOR PURPOSES OF THE CONTRACT, WHAT IS NOTED OR SHOWN ON THE DRAWINGS INDICATES THE SCOPE OF WORK REQUIRED AND THE QUALITY OF MATERIALS.
- CONTRACTOR TO EXAMINE ALL CONTRACT DOCUMENTS AND PERFORM ALL DEMOLITION BOTH FOR AREAS BEING RENOVATED AND FOR AREAS WHICH MUST BE REWORKED TO PERMIT THE INSTALLATION OF WORK BY VARIOUS TRADES.
- CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE EXTENT OF DEMOLITION AND REMOVALS PRIOR TO THE SUBMISSION OF BIDS. NO CONSIDERATION SHALL BE GIVEN FOR FAILURE TO VISIT THE SITE.

ELECTRICAL DRAWING LIST

- | | |
|------|--|
| E001 | SYMBOLS, NOTES, ABBREVIATIONS & DRAWING |
| E011 | DEMOLITION FLOOR PLANS - LIGHTING |
| E021 | DEMOLITION FLOOR PLANS - POWER |
| E111 | LOWER & MAIN LEVEL FLOOR PLANS - LIGHTING |
| E112 | GROUND & UPPER LEVEL FLOOR PLANS - LIGHTING |
| E211 | LOWER & MAIN LEVEL FLOOR PLANS - POWER |
| E212 | GROUND, UPPER & ROOF LEVEL FLOOR PLANS - POWER |
| E213 | WEST WING - GROUND FLOOR PLAN - POWER |
| E201 | ONE LINE RISER DIAGRAM - WEST SIDE |
| E001 | PANEL & LIGHT FIXTURE SCHEDULES |
| E601 | DETAILS |

ABBREVIATIONS (NOT ALL MAY BE USED)

A	AMPERS
ACR	AUTOMATICALLY CONTROLLED RECEPTACLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AP	ACCESS POINT
BC	BATTERY CHARGER
BF	BOTTLE FILLER
BH	BLOCK HEATER
C	CONDUIT
CB	CIRCUIT BREAKER
CFW	COLD FOOD WELL
CR	CIRCUIT
CR	CORD REEL
DO	DOOR OPERATOR
DD	DISHWASHER
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY (WIRED TO EMERGENCY SOURCE)
EW	ELECTRIC WATER COOLER
EW	ELECTRIC WATER HEATER
EX	EXISTING TO REMAIN
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FB	FLOOR BOX
FF	FURNITURE FEED
FV	ELECTRONIC FLUSH VALVE
GF	GROUND FAULT CIRCUIT INTERRUPTER
GD	HAND DRYER