



Platt Technical High School

Milford, CT

ADDENDUM NO. 4

August 9, 2019

The original Specifications and Drawings dated May 24, 2019, Addendum No.1 dated July 23, 2019, Addendum No.2 dated July 29, 2019 and Addendum No.3 dated August 2, 2019 for the above-captioned project are amended as stated in this Addendum. This Addendum consists of 18 (eighteen) pages, plus the following attachments.

ATTACHMENTS

PROJECT MANUAL

SECTION 08 33 10 – OVERHEAD COILING DOORS

(5 pages)

CIVIL DRAWINGS

C-103, C-105

(2 pages)

ARCHITECTURAL SKETCHES

RA4-01, RA4-02, RA4-03, RA4-04, RA4-06, RA4-07, RA4-08, RA4-09, RA4-10, RA4-11, RA4-12, RA4-13, RA4-14, RA4-18, RA4-19, RA4-20, RA4-21, RA4-22, RA4-23, RA4-27, RA4-29, RA4-30, RA4-31, RA4-34, RA4-36, RA4-37, RA4-38, RA4-39, RA4-40, RA4-42, RA4-43, RA4-44, RA4-45, RA4-46, RA4-47

(35 pages)

ARCHITECTURAL DRAWINGS

A2-2-3, A3-2-10, A3-2-11, A3-2-12, A3-2-19, A3-2-26, A5-1-4, A5-3-2, A5-3-4, A6-2-1, A6-2-2, A9-1-2

(12 pages)

STRUCTURAL SKETCHES

RS4-001, RS4-002, RS4-003, RS4-004, RS4-005

(5 pages)

STRUCTURAL DRAWINGS

S1-1-1E, S1-1-1F, S1-1-2C, S1-1-3C, S1-1-4, S1-1-MB, S1-1-ME, S1-1-MF, S2-1-4, S2-3-1, S2-3-2, S4-2-1, S4-2-2, S5-2-1, S5-2-2, S5-2-3

(16 pages)

FIRE PROTECTION DRAWINGS

FP1-1-1B, FP1-1-1E, FP1-1-1G, FP1-1-MB, FP1-1-ME

(5 pages)

PLUMBING DRAWINGS

P1-1-UF, P1-1-1G, P3-1-2

(3 pages)

MECHANICAL DRAWINGS

M2-1-1A, M4-1-3

(2 pages)

BIDDER QUESTION LOG (SEE ATTACHMENT), dated 8-9-2019.

BID TIME AND DATE REMAIN UNCHANGED AS REVISED IN ADDENDUM No.2



AMENDMENTS TO ADDENDUM NO.3

DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS

ADD 4-001 ADDENDUM NO.3, Page 4, ITEM ADD 3-011 – SECTION 08 41 10 – ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

DELETE the words “Thermally-Broken” from Article 2.1, Paragraph A, Sub-paragraph 4.

ADD 4-002 ADDENDUM NO.3, Page 5, ITEM ADD 3-019 – SECTION 08 44 10 – GLAZED ALUMINUM CURTAIN WALLS

DELETE the words “Thermally-Broken” from Article 2.2, Paragraph B.

AMENDMENTS TO PROJECT MANUAL

DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS

ADD 4-003 SECTION 00 01 10 – TABLE OF CONTENTS

Page 5: DELETE “Section 09 86 10, Graffiti Control.”

DIVISION 03 – CONCRETE

ADD 4-004 SECTION 03 45 00 – ARCHITECTURAL PRECAST CONCRETE

Page 3, Article 1.6, REPLACE Paragraph “A” per the following:

- "A. Installer Qualifications: A precast concrete erector qualified to erect Category A (Architectural Systems) for non-load-bearing members. The erector shall have proven track record of successful completion of similar or larger scope of work. The qualified installer shall have not less than 10 years of experience installing architectural precast concrete systems."

ADD 4-005 SECTION 03 45 00 – ARCHITECTURAL PRECAST CONCRETE

Page 7, Article 2.5, Paragraph A: DELETE the words “where galvanized is indicated.”

ADD 4-006 SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS

Page 2, Part 1.4-D, REVISE the following Section:

“10. PCI MNL-124 - Manual for Fire Resistance Design of Precast Prestressed Concrete”

ADD 4-007 SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS

Page 2, Part 1.4, ADD the following Sections:

- G. “Sample Panels: Produce a minimum of 4 sample structural wall panels approximately 4 sq. ft. in area for review by Architect. Incorporate finishes, joints, embeds and patching techniques in sample panels.
1. Locate panels where indicated or, if not indicated, as directed by Architect.
 2. Damage part of an exposed-face surface for each finish, color, and texture, and demonstrate adequacy of repair techniques proposed for repair of surface blemishes.
 3. After acceptance of repair technique, maintain one sample panel at manufacturer's plant and one at Project site in an undisturbed condition as a standard for judging the completed Work.
 4. Demolish and remove sample panels when directed.”
- H. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01.”



ADD 4-008**SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS**

Page 2, Part 1.5, REVISE the following Sections:

i. “General:

1. All design shall conform to the requirements of the Connecticut State Building Code.
2. Precast Components: The manufacturer shall complete the design, including calculations and detailing, for all precast components specified on the Contract Drawings. Design shall be based on the design criteria and conditions provided on the Drawings and in the Specifications. The manufacturer shall perform the complete design assuring that the manufacturing, transportation and erection process are compatible with the Contract Drawings and Specifications.”

ADD 4-009**SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS**

Page 3, Part 1.6-C, REVISE the following Section:

- C. “Demonstrate that all precast systems achieve two-hour fire resistance in accordance with the requirements of PCI Manual 124 and the Connecticut State Building Code.”

ADD 4-010**SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS**

Page 4, Part 1.7, REVISE the following Section:

1.7 “TESTING AND INSPECTION

- ii. “Special Inspections are not required provided that the Manufacturer is a member of the PCI Plant Certification Program.
 1. Submit proof of PCI Plant Certification.
 2. At the completion of fabrication submit Certificate of Compliance stating that the work was performed in accordance with the approved construction documents and the Connecticut State Building Code.
- iii. If the Manufacturer is not a member of the PCI Plant Certification Program, concrete testing shall be performed by the manufacturer in accordance with PCI MNL 116 and ACI 318.
 1. If directed and paid for by the owner, plant testing may be performed by an independent testing and inspection agency. If inspection discloses improper workmanship or inferior material, any subsequent inspection or test deemed necessary by the Engineer shall be at no cost to the Owner.
 2. Special Inspector shall visit the manufacturer’s plant to inspect and approve methods of control of the concrete mixes, component fabrication and curing methods, and approve first run production components no later than five days after the manufacturer’s request.
- iv. Access to the manufacturing facility shall be provided to the Engineer, Special Inspector, Architect, Owner and the Owner’s representative at any time.”

ADD 4-011**SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS**

Page 5, Part 2, DELETE the Section B.2 regarding lightweight aggregates.



ADD 4-012**SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS**

Page 5, Part 2, REVISE the following Sections:

E. “Anchors and Inserts

1. Structural steel shall be of new material conforming to ASTM A 36 and all steel shall be hot dipped galvanized after fabrication.
7. Anchor finish:
 - a. Hot dipped galvanized: ASTM A153.
 - b. Zinc Rich Coating: Self-curing, one component, standard brushing grade.”

ADD 4-013**SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS**

Page 5, Part 2, DELETE the Section H.4 regarding Expansion Bearing Pads.

ADD 4-014**SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS**

Page 5, Part 2, DELETE the Section H.J regarding Wide Flanges.

ADD 4-015**SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS**

Page 6, Part 2, ADD the following Sections:

- M. Galvanizing Repair Paint: High-zinc-dust-content paint for re-galvanizing welds in steel, complying with SSPC-Paint 20.
2. Provide interior, field-applied paint with a VOC content of 250 g/L or less, when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

ADD 4-016**SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS**

Page 7, Part 2, REVISE the following Sections:

“C. Finishes

1. Precast concrete exposed surface finishes shall match approved samples.
2. The vertical face of exterior wall panels shall be cast to provide an architectural finish as designated by the architectural drawings and the Owner’s control sample.
3. Wall panels, spandrels, and columns to have smooth finish unless noted otherwise. Surfaces shall be free of defects, form marks, air holes, pin holes, sand streaks, honeycombing, blotches, staining, segregation, or physical damage. All exposed to view interior precast concrete surfaces shall be ready for the finish paint application.
 - a. Fill air pockets and holes larger than 1/4 inch (6 mm) in diameter with sand-cement paste matching color of adjacent surfaces.
 - b. Fill air holes greater than 1/8 inch in width that occur in high concentration (more than one per 2 in.²).
 - c. Grind smooth form offsets or fins larger than 1/8 inch.
 - d. Repair surface blemishes due to dents in forms.
4. All exterior precast components specified in this Section or as part of the Architectural Precast Concrete section, shall receive architectural finish as specified in Section 03 45 00, Architectural Precast Concrete and as indicated on the Architectural Drawings.”



ADD 4-017 SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS

Page 9, Part 3, REVISE the following Sections:

“3.3 ERECTION

G. Non-cumulative tolerances for location of precast units shall be in accordance with ***MNL-116.***”

ADD 4-018 SECTION 03 40 40 – STRUCTURAL PRECAST SYSTEMS

Page 9, Part 3, REVISE the following Sections:

3.6 “FIELD WELDING

- A. Field welding shall be performed by certified welders using equipment and materials compatible with the base materials.
- B. All field welds shall be cleaned with slag removed and painted with galvanizing repair paint.”

DIVISION 05 – METALS

ADD 4-019 SECTION 05 05 13.03 – FACTORY-APPLIED COATINGS FOR SITE METAL

Page 4, Article 2.5, Paragraph A, Subparagraph 2 DELETE the following: “premium colors, and custom-mixed colors.”

DIVISION 06 – WOOD, PLASTICS AND COMPOSITES

ADD 4-020 SECTION 06 40 20 – INTERIOR ARCHITECTURAL WOODWORK

Page 1, Article 1.2, Paragraph A, REPLACE Sub-Paragraph “12” with the following:
“12. Hardwood Stools, stained.”

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

ADD 4-021 SECTION 07 84 10 – PENETRATION FIRESTOPPING

Page 3, Article 1.6:
DELETE Paragraph “C”, regarding Source Limitations, in its Entirety.
RELABEL Paragraphs “D-F” to read “C-E.”

DIVISION 08 – OPENINGS

ADD 4-022 SECTION 08 33 10 – OVERHEAD COILING DOORS

REPLACE this Section in its entirety with the attached revised section.

ADD 4-023 SECTION 08 33 20 – OVERHEAD COILING GRILLES

Page 1, Article 1.2, Paragraph A, Sub-paragraph 1, ADD the following sentence after the first:
“Also referred to on the drawings as “Rolling Security Grill” and Door “Type RG.”

ADD 4-024 SECTION 08 36 10 – SECTIONAL DOORS

Page 1, Article 1.2, Paragraph A, Section 2 replace entirely with the following:
2. Alternate 2 Free-Standing Garage Building: Electrically-motor-operated insulated steel sectional overhead door. Note: Aluminum sectional doors at vocational shops are not part of the Alternate #2 Work.

ADD 4-025 SECTION 08 36 10 – SECTIONAL DOORS

Page 1, Article 1.2, Paragraph B, add the following:
4. Section 133419 - METAL BUILDING SYSTEMS

ADD 4-026**SECTION 08 36 10 – SECTIONAL DOORS**

Page 3, Article 2.1, Paragraph A, Replace entirely sections 1 through 5 with the following:

1. (Basis of Design) Overhead Door Corporation
2. Clopay Doors
3. Cornell Iron Works.
4. Raynor Garage Door Co.
5. Wayne-Dalton Corp.

ADD 4-027**SECTION 08 36 10 – SECTIONAL DOORS**

Page 3, Replace entirely Article 2.2 Paragraph A, with the following:

- A. Insulated Sectional Aluminum Door Type "OH2": Basis of Design Overhead Door Model 521
 1. Construct door sections with stiles and rails formed from extruded-aluminum shapes, complying with ASTM B 22, alloy and temper recommended by manufacturer for type of use and finish indicated, with wall thickness not less than 0.065 inch for door section 1-3/4 inches deep. Fabricate sections with stile and rail dimensions and profiles shown on Drawings. Join stiles and rails by welding or with concealed, 1/4-inch-minimum diameter, aluminum or nonmagnetic stainless-steel through bolts, full height of door section. Form meeting rails to provide a weathertight-seal joint.
 2. Reinforce sections with continuous horizontal and diagonal reinforcement, as required to stiffen door and for wind loading. Ensure that reinforcement does not obstruct vision lites.
 3. Provide reinforcement for hardware attachment.
 4. Insulation: Polyurethane insulation for stiles and rails.
 5. Full-Vision Sections: Manufacturer's standard, tubular, aluminum-framed section fully glazed with clear tempered insulated glass lites set in vinyl, rubber, or neoprene glazing channel and with removable extruded-vinyl or aluminum stops.

ADD 4-028**SECTION 08 36 10 – SECTIONAL DOORS**

Page 4, Replace entirely Article 2.2 Paragraph B, with the following:

- B. Insulated Sectional Steel Door Type "OH1": Basis of Design Overhead Door Model 525
 1. Door assembly - metal/foam/metal sandwich panel construction, with hot melt thermal break
 2. Panel Thickness: 1-7/8 inches (47.63 mm).
 3. Exterior Surface: by architect from Manufacturer's standard surface finishes
 4. Exterior Steel Thickness .015 inch (0.38 mm), hot-dipped galvanized.
 5. Ends: Hot-dipped galvanized 16 gauge steel, full height with end caps.
 6. Spring Counterbalance: Sized to weight of the door, with a helically wound, oil tempered torsion spring mounted on a steel shaft; cable drum of die cast aluminum with high strength galvanized aircraft cable. Sized with a minimum 5 to 1 safety factor - High cycle spring: 10,000 cycles.
 7. Provide one panel partially glazed along entire length of panel:
 - a. Manufacturer's standard framed section glazed with clear tempered insulated glass lites set in vinyl, rubber, or neoprene glazing channel and with removable extruded-vinyl or steel stops.

ADD 4-029**SECTION 08 36 10 – SECTIONAL DOORS**

Page 8, Article 2.8 Paragraph A Section 1, with the following:

1. Custom color to be selected by Architect including all RAL Colors



- ADD 4-030 SECTION 08 44 10 – GLAZED ALUMINUM CURTAIN WALLS**
Page 9, Article 2.1, REPLACE Paragraph “C” with the following:
“C. Typical Sizes: 2 1/4” x 7” and 2 1/4” x 10.” Refer to drawings.
- ADD 4-031 SECTION 08 45 23 – FIBERGLASS-SANDWICH-PANEL ASSEMBLIES**
Page 2, Article 1.3, ADD Paragraph “F” per the following:
“F. FM 4411 and FM 4881 compliance with requirements for Class 1 fire rating for Exterior Wall system (including Class 1 fire rating for interior face of panels) and structural loads.”
- ADD 4-032 SECTION 08 45 23 – FIBERGLASS-SANDWICH-PANEL ASSEMBLIES**
Page 2, Article 1.3, ADD Paragraph “G” per the following:
“G. Provide all necessary structural supports integrated into the panel system to support the wind and other structural loads. The loads shall be determined by a Structural Engineer engaged by the system manufacturer as part of the delegated structural engineering efforts. The resulting system design may include but not limited to, integral vertical and horizontal stiffeners.”
- ADD 4-033 SECTION 08 45 23 – FIBERGLASS-SANDWICH-PANEL ASSEMBLIES**
Page 3, Article 1.4, ADD Paragraph “I” per the following:
“I. Certify compliance of with requirements for Class 1 Exterior Wall System per FM 4411 and FM 4881.”
- ADD 4-034 SECTION 08 45 23 – FIBERGLASS-SANDWICH-PANEL ASSEMBLIES**
Page 3, Article 1.5, Paragraph D, REPLACE the words “NFRC 100” with “NFRC 202.”
- ADD 4-035 SECTION 08 45 23 – FIBERGLASS-SANDWICH-PANEL ASSEMBLIES**
Page 4, Article 1.7, Paragraph C, Sub-paragraph 2, REPLACE the words “10 years” with “20-years.”
- ADD 4-036 SECTION 08 45 23 – FIBERGLASS-SANDWICH-PANEL ASSEMBLIES**
Page 6, Article 2.3, Paragraph D, Sub-paragraph 1, ADD the following after “Interior face sheet:”
“Basis of Design, Kalwall’s Face Sheet Type ‘B-3A’, International Building Code Class CC-1, Finish Class A.”
- ADD 4-037 SECTION 08 45 23 – FIBERGLASS-SANDWICH-PANEL ASSEMBLIES**
Page 6, Article 2.3, Paragraph D, Sub-paragraph 2, ADD the following after “Exterior Face Sheet:”
“Basis of Design, Kalwall’s Face Sheet Type ‘SW-C’, International Building Code Class CC-1, Finish Class B.”
- ADD 4-038 SECTION 08 80 00 – GLAZING**
Page 8, Article 2.1, Paragraph A, Sub-paragraph 5, DELETE the words “Security Glazing – Exterior:” from the first paragraph and REPLACE with the following:
“SECURITY GLAZING – EXTERIOR (Noted as ‘Security Glazing’ and/or ‘SG’ on Curtainwall and Storefront Types).”
- ADD 4-039 SECTION 08 80 00 – GLAZING**
Page 11, Article 2.2, Paragraph A, Sub-paragraph 9, DELETE the words “Security Glazing – Interior:” from the first paragraph and REPLACE with the following:
“SECURITY GLAZING – INTERIOR (Noted as ‘Security Glazing’ and/or ‘SG’ on Curtainwall and Storefront Types).”

DIVISION 09 – FINISHES

ADD 4-040 SECTION 09 30 13 – CERAMIC TILE

Page 4, Part 1: Add Article 1.10 as the following:

“1.10 EXTRA MATERIALS

- A. Upon completion of the Work of this Section, deliver to the Owner extra materials from same production run as products installed.
 - a. Quantity of extra material is equal to 3% of amount for each color, finish and type installed.
 - b. Clearly label and package extra materials securely to prevent damage.”

ADD 4-041 SECTION 09 51 00 – ACOUSTICAL CEILINGS

Page 3, Part 1: Add Article 1.8 as the following:

“1.8 EXTRA MATERIALS

- A. Upon completion of the Work of this Section, deliver to the Owner extra materials from same production run as products installed.
 - a. Quantity of extra material is equal to 5% of amount for each color, finish and type installed.
 - b. Clearly label and package extra materials securely to prevent damage.”

ADD 4-042 SECTION 09 65 16 – VINYL SHEET FLOORING

Page 2, Part 1: Add Article 1.8 as the following:

“1.8 EXTRA MATERIALS

- A. Upon completion of the Work of this Section, deliver to the Owner extra materials from same production run as products installed.
 - a. Quantity of extra material is equal to 3% of amount for each color, finish and type installed.
 - b. Clearly label and package extra materials securely to prevent damage.”

ADD 4-043 SECTION 09 65 19 – RESILIENT TILE FLOORING AND ACCESSORIES

Page 3, Part 1: Add Article 1.9 as the following:

“1.9 EXTRA MATERIALS

- A. Upon completion of the Work of this Section, deliver to the Owner extra materials from same production run as products installed.
 - a. Quantity of extra material is equal to 3% of amount for each color, finish and type installed.
 - b. Clearly label and package extra materials securely to prevent damage.”

ADD 4-044 SECTION 09 65 23 – RUBBER STAIR TREAD, RISER, TILE AND BASE

Page 2, Part 1: Add Article 1.9 as the following:

“1.9 EXTRA MATERIALS

- B. Upon completion of the Work of this Section, deliver to the Owner extra materials from same production run as products installed.
 - a. Quantity of extra material is equal to 3% of amount for each color, finish and type installed.
 - b. Clearly label and package extra materials securely to prevent damage.”

ADD 4-045 SECTION 09 65 30 – RUBBER WALL BASE

Page 2, Part 1: Add Article 1.10 as the following:

“1.10 EXTRA MATERIALS

- A. Upon completion of the Work of this Section, deliver to the Owner extra materials from same production run as products installed.
 - a. Quantity of extra material is equal to 3% of amount for each color, finish and type installed.
 - b. Clearly label and package extra materials securely to prevent damage.”

- ADD 4-046 SECTION 09 65 60 – RESILIENT ATHLETIC FLOORING**
Page 2, Part 1: Add Article 1.7 as the following:
“1.7 EXTRA MATERIALS
A. Upon completion of the Work of this Section, deliver to the Owner extra materials from same production run as products installed.
a. Quantity of extra material is equal to 3% of amount for each color, finish and type installed.
b. Clearly label and package extra materials securely to prevent damage.”

- ADD 4-047 SECTION 09 86 10 – GRAFFITI CONTROL**
DELETE this Section in its Entirety.

DIVISION 10 – SPECIALTIES

- ADD 4-048 SECTION 10 44 00 – FIRE PROTECTION SPECIALTIES**
Article 2.1, INSERT the following text after Paragraph A:
“B Provide portable fire extinguishers and mounting brackets equal to JL Larsen’s and of appropriate size and type, as approved by the authority having jurisdiction

CHANGE existing Paragraph “B” to “C”

- ADD 4-050 SECTION 10 44 00 – FIRE-PROTECTION SPECIALTIES**
Page 4, Article 2.2, ADD the following Paragraph H:
“H. Provide one fire extinguisher at each cabinet, equal to JL Industries’ Cosmic 10E. Dimensions of extinguisher to be coordinated with cabinet.”

- ADD 4-051 SECTION 10 51 10 – METAL LOCKERS**
Page 5, Article 2.3, Paragraph I:
After the existing text ending with “master key system” ADD the following text:
“Equal to Master Lock Built-in combo lock for locker lift handle, Model Number NFCOMBO1630”

DIVISION 11 – EQUIPMENT

- ADD 4-052 SECTION 11 57 30 – COSMETOLOGY EQUIPMENT**
Page 5, Item numbers shall change from “CM” to “CO”. This is to match the schedule on sheet EQ-2.10.

- ADD 4-053 SECTION 11 68 33 – ATHLETIC FIELD EQUIPMENT**
Page 2, Article 2.3, Paragraph C ADD “(1)” after “Home Plate”
Page 2, Article 2.3, Paragraph E ADD “(1)” after “L-Shaped Screen”
Page 2, Article 2.3, Paragraph F ADD “(1)” after “Softball Screen”
Page 2, Article 2.3, Paragraph G ADD “(1)” after “Pitching Machine”

DIVISION 12 – FURNISHINGS

- ADD 4-054 SECTION 12 24 00 – SHADES:**
Page 5 OF 8, Article 2.3, ADD the following Paragraph D:
“D. Blackout shade basis of design is Draper Opaque SunBloc – Series SB9000.”

DIVISION 13 – SPECIAL CONSTRUCTION

ADD 4-055 SECTION 13 34 16 – GRANDSTAND SEATING SYSTEM
Article 2.1, Paragraph A: ADD the following text for item 5:
“5. Sturdisteel I-Beam Permanent Grandstand, Waco, Texas.”

ADD 4-056 SECTION 13 34 19 – METAL BUILDING SYSTEMS
Page 16, Article 2.6, ADD Paragraph “G” per the following:
“G. SNOW GUARDS (Also known as Snow Retention System)
1. Snow guard is to connect to metal roof edge seam without penetration the roofing and compatible with roofing system.
2. Provide a complete system consisting of the following components:
Snow guard blocks, bracket assembly, tubing (snow fence), couplings, end caps, end collars and ice flags.
3. Components to be 6000 Series Aluminum with a mill finish and fasteners to be 304 stainless steel.
4. Tubing to be 1” outside diameter with a 0.120” wall thickness, extruded.

DIVISION 22 – PLUMBING

ADD 4-057 Section 22 34 00 – FUEL FIRED DOMESTIC WATER HEATERS
Page 5 Articles 2.2 COMMERCIAL GAS FIRED SOTRAGE TYPE CONDENSING WATER HEATERS – J:
Revise as follows:
Capacity:
1. Storage capacity each: 130 gallons
2. Input each: 999,000 BTU
3. Min recovery rate each: 1157 gph with 100 deg temperature rise

DIVISION 23 – HEATING VENTILATION AND AIR CONDITIONING

ADD 4-058 Section 23 07 00 – HVAC INSULATION
Page 8, Article 3.3, Paragraph K: Replace wording with: “All Piping in Mechanical Rooms / Boiler Room / Equipment Mezzanines less than 10 feet above finished floor: Finish with PVC jacket and fitting covers.”

ADD 4-059 Section 23 33 03 – SOUND ATTENUATORS
Page 5, Article 4.2, Revise Paragraph A - Replace wording with:
A. Criteria:
1. For all supply air VAV and CV boxes: Provide SAT's at all boxes unless noted otherwise.
2. For all exhaust air and return air VAV and CV boxes: SAT's are not required unless noted on the floor plans to provide a SAT. This is designated by the symbol "SAT" in the ductwork next to the VAV box.

DIVISION 32 – EXTERIOR IMPROVEMENTS

ADD 4-060 SECTION 32 18 23.39 – SYNTHETIC TRACK SURFACING
Page 3, Article 2.2, Paragraph C, Subparagraph 10 REPLACE subparagraph with the following:
“10. Color: manufacturer’s standard red color.”

ADD 4-061 SECTION 32 33 00 – SITE FURNISHINGS
Page 5, Article 2.4, Paragraph A, Subparagraph 2b REPLACE subparagraph with the following:
“Color: as selected by the Architect from manufacturer’s full range including standard colors.”

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AMENDMENTS TO DRAWINGS

GENERAL

- ADD 4-062** **INFO 1-0 – LIST OF DRAWINGS**
REVISED title for sheets A6-3-5, A6-3-6, A6-3-14, A6-3-15 and A6-3-21 per Revision Sketch RA4-01.

CIVIL

- ADD 4-063** **DRAWING C-103 – PHASE I SITE PREPARATION PLAN**
Revised oil waste manhole removal note.
- ADD 4-064** **DRAWING C-105 – PHASE II SITE PREPARATION PLAN**
Revised oil/water separator and fuel soil storage tank removal notes.

ARCHITECTURAL

- ADD 4-065** **A1-0-3 – PARTITION TYPES**
Details 5, 6, 9, 13: DELETE the words “WITH SEALANT” from the note “BASE WITH SEALANT.”
- ADD 4-066** **A1-1-1A – FIRST FLOOR PLAN - AREA A**
Provide portable fire extinguisher and mounting bracket at the following locations:

1ea at A129 – Main Electric
1ea at A128 – Emergency Electric”
- ADD 4-067** **A1-1-1B – FIRST FLOOR PLAN - AREA B**
Provide portable fire extinguisher and mounting bracket at the following locations:

2ea at B163 - Boilers
1ea at B101 – General Building Storage
- ADD 4-068** **A1-1-1B – FIRST FLOOR PLAN – AREA B**
REVISED dimensions related to Aluminum Frame CW34 (previously SF2) per Revision Sketch RA4-02.
- ADD 4-069** **A1-1-2C – FIRST FLOOR PLAN – AREA C**
ADDED columns per Revision Sketch RA4-03.
- ADD 4-070** **A1-1-2E – SECOND FLOOR PLAN – AREA E**
Room E237, Vocational Electrical Room: REVISED door swing and size. Refer to sketch RA4-42.
- ADD 4-071** **A2-2-1 – INTERIOR ELEVATIONS**
Interior Elevation 5: Revised Aluminum Frame Tags per Revision Sketch RA4-04.
- ADD 4-072** **A2-2-3 – INTERIOR ELEVATIONS**
Interior Elevation 1 and 2: ADDED Structural Steel Girt, with intumescent coating, per Revision Tag RA4-5
- ADD 4-073** **A2-2-4 – INTERIOR ELEVATIONS**
Interior Elevation 1: Revised Aluminum Frame Tag per Revision Sketch RA4-06.
Interior Elevation 2: Revised Aluminum Frame Tag per Revision Sketch RA4-07.



- ADD 4-074** **A2-2-5 – INTERIOR ELEVATIONS**
Interior Elevation 2: Revised Aluminum Frame Tag per Revision Sketch RA4-08.
- ADD 4-075** **A2-2-6 – INTERIOR ELEVATIONS**
Sketch RA4-09:
 Interior Elevation 1: ADDED structural steel girt, with intumescent coating. REVISED Aluminum Frame Tag.
Sketch RA4-43:
 Interior Elevation 3: REVISE Aluminum Frame Tag to Borrowed Light Tag, BL14.
Sketch RA4-44:
 Interior Elevation 3: REVISE Aluminum Frame Tag to Borrowed Light Tag, BL13 and BL15.
Sketch RA4-45:
 Interior Elevation 3: REVISE Aluminum Frame Tag to Borrowed Light Tag, BL16.
Sketch RA4-46:
 Interior Elevation 3: REVISE Aluminum Frame Tag to Borrowed Light Tag, BL17.
- ADD 4-076** **A2-2-7 – INTERIOR ELEVATIONS**
Interior Elevation 3: REVISE Aluminum Frame Tag to Borrowed Light Tag, BL-16 & BL17 per Revision Sketch RA4-47.
Interior Elevation 6: ADDED structural steel girt, with intumescent coating, per Revision Sketch RA4-10.
Interior Elevation 6: REVISED Aluminum Frame Tag, per Revision Sketch RA4-11.
- ADD 4-077** **A3-2-2 – WALL SECTIONS**
Section 2: Revised detailing per Revision Sketch RA4-20.
- ADD 4-078** **A3-2-3 – WALL SECTIONS**
Section 1: Revised detailing per Revision Sketch RA4-21.
- ADD 4-079** **A3-2-4 – WALL SECTIONS**
Section 1: Revised detailing per Revision Sketch RA4-22.
Section 2: Revised detailing per Revision Sketch RA4-23.
- ADD 4-080** **A3-2-5 – WALL SECTIONS**
Section 1: Added structural girt per Revision Sketch RA4-31.
- ADD 4-081** **A3-2-10 – WALL SECTIONS**
 Section 1: ADDED Structural Steel Girt, with intumescent coating, per Revision Sketch RA4-24.
 Section 2: ADDED Structural Steel Girt, with intumescent coating, and REVISED Aluminum Frame detailing per Revision Sketch RA4-24
 Section 3: ADDED Structural Steel Girt, with intumescent coating, per Revision Sketch RA4-24
- ADD 4-082** **A3-2-11 – WALL SECTIONS**
Section 3: REVISED Aluminum Frame detail per revision Tag RA4-25
- ADD 4-083** **A3-2-12 – WALL SECTIONS**
Section 1: REVISED detailing per revision Tag RA4-26.
Section 2: REVISED detailing per revision Tag RA4-26.
Section 3: REVISED detailing per revision Tag RA4-26.
- ADD 4-084** **A3-2-14 – WALL SECTIONS**
Section 3: Revised detailing per Revision Sketch RA4-27.

- ADD 4-085 A3-2-19 – WALL SECTIONS**
Section 1: REVISED detailing per revision Tag RA4-28.
Section 2: REVISED detailing per revision Tag RA4-28.
Section 4: REVISED detailing per revision Tag RA4-28.
- ADD 4-086 A3-2-22 – WALL SECTIONS**
Section 4: Revised Aluminum Frame detailing per Revision Sketch RA4-29.
- ADD 4-087 A3-2-23 – WALL SECTIONS**
Section 1: Revised detailing at aluminum frame per Revision Sketch RA4-30.
- ADD 4-088 A3-2-26 – WALL SECTIONS**
Section 2: REVISED detailing per revision Tag RA4-32.
Section 3: REVISED detailing per revision Tag RA4-32.
- ADD 4-089 A3-3-2 – WALL DETAILS**
Detail 8: REVISED joint gasket per Revision Sketch RA4-12.
- ADD 4-090 A3-4-15 – PRECAST CONCRETE WALL PANEL TYPES**
Pre-cast Type V22: Revised dimension per Revision Sketch RA4-13.
- ADD 4-091 A4-1-1 ENLARGED TOILET PLANS:**
On the toilet accessory schedule, make the following modifications:
GB1: CHANGE the 36” dimension to 42”
GB3: CHANGE the centerline of grab bar dimension from 36” to 40” to rear wall.
- On details 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12: Graphically change all dimensions showing GB3 from the rear wall from 36” to 40”
- ADD 4-092 A4-1-2 ENLARGED TOILET PLANS:**
On details 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11: Graphically change all dimensions showing GB3 from the rear wall from 36” to 40”
- ADD 4-093 A4-2-1 LOCKER AND BASE TYPES, ENLARGED LOCKER ROOM PLANS:**
At detail 4 – Locker Types, ADD the following to general notes:
- “4. Accessible lockers shall have locking / opening devices that are operable with a closed fist and mounted no higher than 42” (1067mm) from the floor.”
- ADD 4-094 A5-1-1 – EXTERIOR PLAN DETAILS**
Plan Detail 11: REVISED Aluminum Frame jamb detailing per Revision Sketch RA4-14.
- ADD 4-095 A5-1-4 – EXTERIOR PLAN DETAILS**
Details 4, 6, 9, & 10: Revised detailing per revision Tag RA4-15.
- ADD 4-096 A5-3-2 – ROOF DETAILS**
Details 6,13 & 15: Revised detailing per revision Tag RA4-33.
- ADD 4-097 A5-3-3 – ROOF DETAILS**
Roof Detail 13: Revised detailing per Revision Sketch RA4-34.
- ADD 4-098 A5-3-4 – ROOF DETAILS**
Details 2, 3 & 8: Revised detailing per revision Tag RA4-35

- ADD 4-099** **A6-2-1 – DOOR SCHEDULE**
Door B159.1: Revised Frame Type per revision Tag RA4-16.
Door B162.1: Revised Frame Type per revision Tag RA4-16.
Cleaned up graphics per revision Tag RA4-16.
- ADD 4-100** **A6-2-1 – DOOR SCHEDULE**
Door B127.1: Change Door Type to “FW2.” Change Door Material to “MTL (Metal)”
Door B127.2: Change Door Type to “FW2.”
Door B140.1: Change Door Type to “FW2.”
- ADD 4-101** **A6-2-2 – DOOR SCHEDULE (CONT.)**
Cleaned up graphics per revision tag RA4-17
- ADD 4-102** **A6-2-2 – DOOR SCHEDULE (CONT.)**
AT OPENING NUMBER E237 CHANGE THE WIDTH OF THE ACTIVE LEAF FROM 3’-0” TO 3’-6”
CHANGE THE HARDWARE SET No. FROM 50.1 TO 25.0. ADD THE FOLLOWING NOTE TO THE
REMARKS / NOTES COLUMN: “170 DEGREE DOOR SWING.”
- ADD 4-103** **A6-3-6 – STOREFRONT TYPES**
Curtainwall CW44 (previously SF18): REVISED detail tags per Revision Sketch RA4-19.
- ADD 4-104** **A6-3-13 – CURTAIN WALL DETAILS**
ADD Detail 16, Curtain Wall Head Detail, per Revision Sketch RA4-39.
ADD Detail 17, Curtain Wall Sill Detail, per Revision Sketch RA4-40.
- ADD 4-105** **A6-3-14 – CURTAIN WALL AND EXTERIOR STOREFRONT DETAILS**
(previously EXTERIOR STOREFRONT DETAILS)
Curtainwall CW34 (previously SF2): REVISED frame dimensions and detail bubbles,
per Revision Sketch RA4-18.
- ADD 4-106** **A6-3-14 – CURTAIN WALL AND EXTERIOR STOREFRONT DETAILS**
(previously EXTERIOR STOREFRONT DETAILS)
Curtain Wall Detail 9: REVISED detailing at head of aluminum frame per Revision Sketch RA4-36.
- ADD 4-107** **A6-3-15 – CURTAIN WALL AND EXTERIOR STOREFRONT DETAILS**
(previously EXTERIOR STOREFRONT DETAILS)
Curtain Wall Detail 14: REVISED detailing at head of aluminum frame per Revision Sketch RA4-37.
- ADD 4-108** **A6-3-19 – INTERIOR / EXTERIOR STOREFRONT DETAILS**
Curtain Wall Detail 11: REVISED aluminum frame detail per Revision Sketch RA4-38.

ADD 4-109 A9-1-2 – MISCELLANEOUS DETAILS

Revision Tag RA4-41

ADDED Countertop Finishes Note.

Added Epoxy Quartz Countertop Colors.

Color #1: Corian Quartz – Versilia Grigio

Color #2: Corian Quartz – Bianco Marmor

Details 6, 7, 9, 10, 11 and 15:

Thicknesses for Epoxy Quartz Countertop modified to be 1 1/4". Thicknesses for Epoxy Quartz Laminated Edge, Apron and Side Panels modified to be 3/4". Edge details modified to show joint locations.

Detail 14:

Thicknesses for Epoxy Quartz Countertop modified to be 1 1/4". Thicknesses for Epoxy Quartz Laminated Edge modified to be 3/4". Edge details modified to show joint locations.

STRUCTURAL

ADD 4-110 DRAWING S0-0-2- TYPICAL DETAILS

Revised CMU Lintel Schedule – Refer to Sketch to sketch RS4-003.

ADD 4-111 DRAWING S1-1-1E– FOUNDATION PLAN – AREA E

Added precast wall elevation designations per Revision RS4-6.

Add section designation per Revision RS4-7.

Revise footing sizes at columns “J-3” and “M-3” per revision RS4-8.

Add PLAN NOTE #20 per revision RS4-14.

ADD 4-112 DRAWING S1-1-1F– FOUNDATION PLAN – AREA F

Added precast wall elevation designations per Revision RS4-6.

Added depressed slab at lift per Revision RS4-9.

Revised wall footings for plumbing inverts per Revision RS4-10.

Revised footing sizes at column “V-3” per revision RS4-11.

Revised wall footings and B.F.E’s for plumbing inverts per Revision RS4-12.

Revised PLAN NOTE #1 per revision RS4-13.

ADD 4-113 DRAWING S1-1-2C – SECOND FLOOR FRAMING PLAN – AREA C

Added columns and revised framing per Revision RS4-15.

ADD 4-114 DRAWING S1-1-3C – THIRD FLOOR AND ROOF FRAMING PLAN – AREA C

Added columns and tube girts per Revision RS4-16.

ADD 4-115 DRAWING S1-1-4 – HIGH ROOF FRAMING PLAN

Added columns per Revision RS4-18.

ADD 4-116 DRAWING S1-1-MB – MEZZANINE FRAMING PLAN – AREA B

Revised masonry lintels per Revision RS4-19.

Revised plan note #4 per Revision RS4-20.

ADD 4-117 DRAWING S1-1-ME – MEZZANINE FRAMING PLAN – AREA E

Revised masonry lintels per Revision RS4-21.

Added mezzanine precast wall designations per Revision RS4-22.

Added precast beam designation per Revision RS4-23.

Revised plan note #4 per Revision RS4-24.



- ADD 4-118 DRAWING S1-1-MF – MEZZANINE FRAMING PLAN – AREA F**
Revised masonry lintels per Revision RS4-25.
Added mezzanine precast wall designations per Revision RS4-26.
Revised plan note #4 per Revision RS4-27.
Added section designations per Revision RS4-28.
- ADD 4-119 DRAWING S2-1-4 – PRECAST COLUMN SCHEDULE**
Revised precast columns per Revision RS4-29.
Added plan note #9 per Revision RS4-30.
Added precast moment frame elevation, section and notes per Revision RS4-31.
- ADD 4-120 DRAWING S2-3-1 – PRECAST WALL ELEVATIONS**
Added location notes per Revision RS4-32.
Added plan notes per Revision RS4-33.
- ADD 4-121 DRAWING S2-3-2 – PRECAST WALL ELEVATIONS**
Added wall elevations for stair #5 and mezzanine precast walls per Revision RS4-34.
Added plan notes per Revision RS4-35.
Added location notes per Revision RS4-36.
- ADD 4-122 DRAWING S3-2-2 – FOUNDATION PLAN DETAILS**
Added lift pit section “F4/S3-2-2” - refer to Sketch RSV-005
- ADD 4-123 DRAWING S4-2-1– STRUCTURAL SECTIONS**
Revise sections “S1, S2 and S3” per Revision RS4-37.
Revise section “S4” per Revision RS4-38.
- ADD 4-124 DRAWING S4-2-2– STRUCTURAL SECTIONS**
Revise sections “S1, S2 and S3” per Revision RS4-37.
Revise section “S4” per Revision RS4-38.
- ADD 4-125 DRAWING S5-1-1– STRUCTURAL SECTIONS ROOF**
Added typical roof edge angle welding detail - refer to Refer to Sketch to sketch RS4-002.
- ADD 4-126 DRAWING S5-1-2– STRUCTURAL SECTIONS ROOF**
Add Plan Note to read “See Drawing S5-1-1 for Typical Roof Edge Angle Welding Detail”.
- ADD 4-127 DRAWING S5-1-3– STRUCTURAL SECTIONS ROOF**
Add Plan Note to read “See Drawing S5-1-1 for Typical Roof Edge Angle Welding Detail”.
- ADD 4-128 DRAWING S5-1-4– STRUCTURAL SECTIONS ROOF**
Add Plan Note to read “See Drawing S5-1-1 for Typical Roof Edge Angle Welding Detail”.
- ADD 4-129 DRAWING S5-2-4– STRUCTURAL SECTIONS ROOF**
Add Plan Note to read “See Drawing S5-1-1 for Typical Roof Edge Angle Welding Detail”.
- ADD 4-130 DRAWING S5-2-1– STRUCTURAL SECTIONS**
Revise topping reinforcement per Revision RS4-39.
- ADD 4-131 DRAWING S5-2-2– STRUCTURAL SECTIONS**
Revise topping reinforcement per Revision RS4-40.
- ADD 4-132 DRAWING S5-2-3– STRUCTURAL SECTIONS**
Revise topping reinforcement per Revision RS4-40.

FIRE PROTECTION

- ADD 4-133 DRAWING FP-1-1-1B – FIRST FLOOR FIRE PROTECTION PLAN AREA B**
Revised fire protection service assembly to include (5) five risers per Revision RFP4-1.
- ADD 4-134 DRAWING FP-1-1-1B – FIRST FLOOR FIRE PROTECTION PLAN AREA B**
Removed redundant pipe labeled FDC, per Revision RFP4-2.
- ADD 4-135 DRAWING FP-1-1-1E – FIRST FLOOR FIRE PROTECTION PLAN AREA E**
Removed redundant pipe labeled FDC, per Revision RFP4-3.
- ADD 4-136 DRAWING FP-1-1-1G – FIRST FLOOR FIRE PROTECTION PLAN AREA G**
Added FDC and piping, per Revision RFP4-4.
- ADD 4-137 DRAWING FP-1-1-MB – MEZZANINE FIRE PROTECTION PLAN AREA B**
Removed redundant pipe labeled FDC, per Revision RFP4-5.
- ADD 4-138 DRAWING FP-1-1-ME – MEZZANINE FIRE PROTECTION PLAN AREA E**
Removed redundant pipe labeled FDC, per Revision RFP4-6.

PLUMBING

- ADD 4-139 DRAWING P-1-1-UF – BELOW SLAB PLUMBING PLAN AREA F**
Added pit drain and piping at recessed car lift, per Revision RP4-1.
- ADD 4-140 DRAWING P-1-1-1G – FIRST FLOOR PLUMBING PLAN AREA G – ALTERNATE NO. 2**
Updated note to include installation of backflow preventer, per Revision RP4-2.
- ADD 4-141 DRAWING P-3-1-2 – PLUMBING SCHEDULES**
Added HWR connection size and added notes to Plumbing Fixture Connection Schedule, per Revision RP4-3.

MECHANICAL

- ADD 4-142 DRAWING M2-1-1A – FIRST FLOOR MECHANICAL PIPING PLAN AREA A**
Updated condensate drain piping serving FCU's and CAC-3 per Revision RM4-1.
- ADD 4-143 DRAWING M4-1-3 – MECHANICAL DETAILS**
Revise Detail #2 regarding chiller relief vent piping per Revision RM4-2.

EQUIPMENT

- ADD 4-144 EQ-2.2 - PLUMBING**
Add to Plumbing Lab Equipment Schedule, Items PL-01 thru PL-17 shall be Provided by Owner, Installed by Owner
- ADD 4-145 EQ-2.2 - PLUMBING**
Add to Plumbing Lab Equipment Schedule, Items PL-25 thru PL-34 and PL-37 shall be Provided by Owner, Installed by Owner



- ADD 4-146** **EQ-2.2 - PLUMBING**
Add to Plumbing Lab Equipment Schedule, Item PL-18 thru PL-20 shall be Provided by G.C., Installed by G.C. Items shall be provided by Plumbing Contractor.
- ADD 4-147** **EQ-2.2 - PLUMBING**
Add to Plumbing Lab Equipment Schedule, Item PL-24 Plasma cutter shall be Furnished/Installed by Owner. Final connections by G.C.
- ADD 4-148** **EQ-2.2 - PLUMBING**
Add to Plumbing Lab Equipment Schedule, Item PL-40 Portable Plasma cutter shall be Provided by Owner, Installed by Owner
- ADD 4-149** **EQ-2.4 - HVAC**
Add to HVAC Equipment Schedule, All items, HV-01 thru HV-35 inclusive shall be provided by Owner and installed by Construction Manager.
- ADD 4-150** **EQ-2.7 - AUTOMOTIVE MECHANICS**
Change item AT-02 to a flush mounted Alignment lift. Recess shall be provided by structural. Model number shall change to RX12.
- ADD 4-151** **EQ-2.10 - COSMETOLOGY**
Change schedule for item CO-08 to be provided and installed by Construction Manager. Delete dot in column indicating provided and installed by Owner.

E N D O F A D D E N D U M N O . 4



PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. Furnish and install manually-operated coiling stainless steel counter doors and pertinent accessories as required, as indicated on Drawings, and/or as specified in this Section.
- B. Related Work: The following items are not included in this Section and are specified under the designated Sections:
1. Section 055000 - METAL FABRICATIONS for miscellaneous steel supports.
 2. Section 087100 - DOOR HARDWARE for lock cylinders and keying.
- C. Sustainable Design Intent: Comply with project requirements intended to achieve sustainable design, measured and documented according to the Connecticut Building Standard Guidelines Compliance Manual for High Performance Buildings. Refer to Section 018113, SUSTAINABLE DESIGN REQUIREMENTS for these conditions.

1.3 REFERENCES

A. ASTM:

1. ASTM A 653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
2. ASTM A 666 - Standard Specification for Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
3. ASTM A 924 - Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
4. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

1.4 DESIGN / PERFORMANCE REQUIREMENTS

A. Coiling security doors:

1. Operation: Design door assembly, including operator, to operate for not less than 200,000 cycles

- B. Single-Source Responsibility: Provide doors, tracks, and accessories from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.

- C. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories, Inc. acceptable to authority having jurisdiction as suitable for purpose specified.

1.5 SUBMITTALS

- A. Submit under provisions of Division 01 Section "Submittal Procedures".
 - 1. Product Data: Manufacturer's data sheets on each product to be used, including:
 - a. Preparation instructions and recommendations.
 - b. Storage and handling requirements and recommendations.
 - c. Details of construction and fabrication.
 - d. Installation instructions.
 - e. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
 - f. Operation and Maintenance Data: Submit lubrication requirements and frequency, and periodic adjustments required.
 - 2. Shop Drawings: Include detailed plans, elevations, details of framing members, anchoring methods, required clearances, hardware, and accessories. Include relationship with adjacent construction.
 - 3. Samples:
 - a. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
 - b. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) long, representing actual product, color, and patterns.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in performing Work of this section with a minimum of five years' experience in the fabrication and installation of security closures.
- B. Installer Qualifications: Installer Qualifications: Company specializing in performing Work of this section with minimum three years and approved by manufacturer.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect materials from exposure to moisture. Do not deliver until after wet work is complete and dry.
- C. Store materials in a dry, warm, ventilated weathertight location.

1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.9 COORDINATION

- A. Coordinate Work with other operations and installation of adjacent materials to avoid damage to installed materials.

1.10 WARRANTY

- A. Provide warranties, commencing from date of Substantial Completion, in accordance with Contract Conditions and Division 01 Section "Warranties".
 - 1. Manufacturer's Warranty:
 - a. Parts and Components: no less than two (2) years.
 - b. Powder coat finish: no less than four (4) years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Subject to compliance with the requirements specified herein, provide products from one of the following listed manufacturers:
 - 1. Overhead Door Corporation, Lewisville, TX.
 - 2. Cornell Iron Works, Inc. Mountaintop, PA
 - 3. Raynor Garage Doors. Dixon, IL.
 - 4. Or equal.
- B. Basis of Design: "Series 651" as manufactured by Overhead Door Corporation, Lewisville, TX.

2.2 OVERHEAD COILING COUNTER DOORS

- A. Stainless Steel Counter Doors: Overhead Door Corporation, 651 Series.
 - 1. Curtain: Interlocking slats, Type F-158 fabricated of 22 gauge stainless steel. Endlocks attached to alternate slats to maintain curtain alignment and prevent lateral slat movement.
 - 2. Finish:
 - a. Slats and hood stainless steel with a No. 4 stainless steel finish.
 - b. All non-galvanized, exposed ferrous surfaces shall receive factory-applied one coat of rust-inhibitive primer plus two coats of powder coat finish paint.
 - 3. Bottom Bar:
 - a. Single stainless steel angle bottom bar.
 - 4. Guides: Stainless steel shapes.
 - 5. Brackets:
 - a. Stainless steel plate to support counterbalance, curtain and hood.
 - 6. Counterbalance: Helical torsion spring type housed in a stainless-steel tube or pipe barrel, supporting the curtain with deflection limited to 0.03 inch per foot of span. Counterbalance is adjustable by means of an adjusting tension wheel.
 - 7. Hood: Provide with intermediate support brackets as required and fabricated of:
 - a. Stainless steel.

8. Operation: Manual push up.
 - a. Chain hoist.
9. Locking:
 - a. Two point dead locks with mortise cylinder/s. Keys shall be master-keyed in accordance with Division 08 Section "Door Hardware".
10. Wall Mounting Condition: as indicated on Drawings.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify opening sizes, tolerances and conditions are acceptable.
- B. Examine conditions of substrates, supports, and other conditions under which this work is to be performed.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.
- C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.
- D. Fit and align assembly including hardware; level and plumb, to provide smooth operation. Adjust where necessary.
- E. Coordinate installation of cylinder lock furnished, installed and master-keyed under Division 08 Section "Door Hardware".
- F. Coordinate installation of sealants and backing materials at frame perimeter as specified in Division 07 Section "Joint Sealants".
- G. Install perimeter trim and closures.
- H. Instruct Owner's personnel in proper operating procedures and maintenance schedule.

3.4 ADJUSTING

- A. Test for proper operation and adjust as necessary to provide proper operation without binding or distortion.
- B. Adjust hardware and operating assemblies for smooth and noiseless operation.

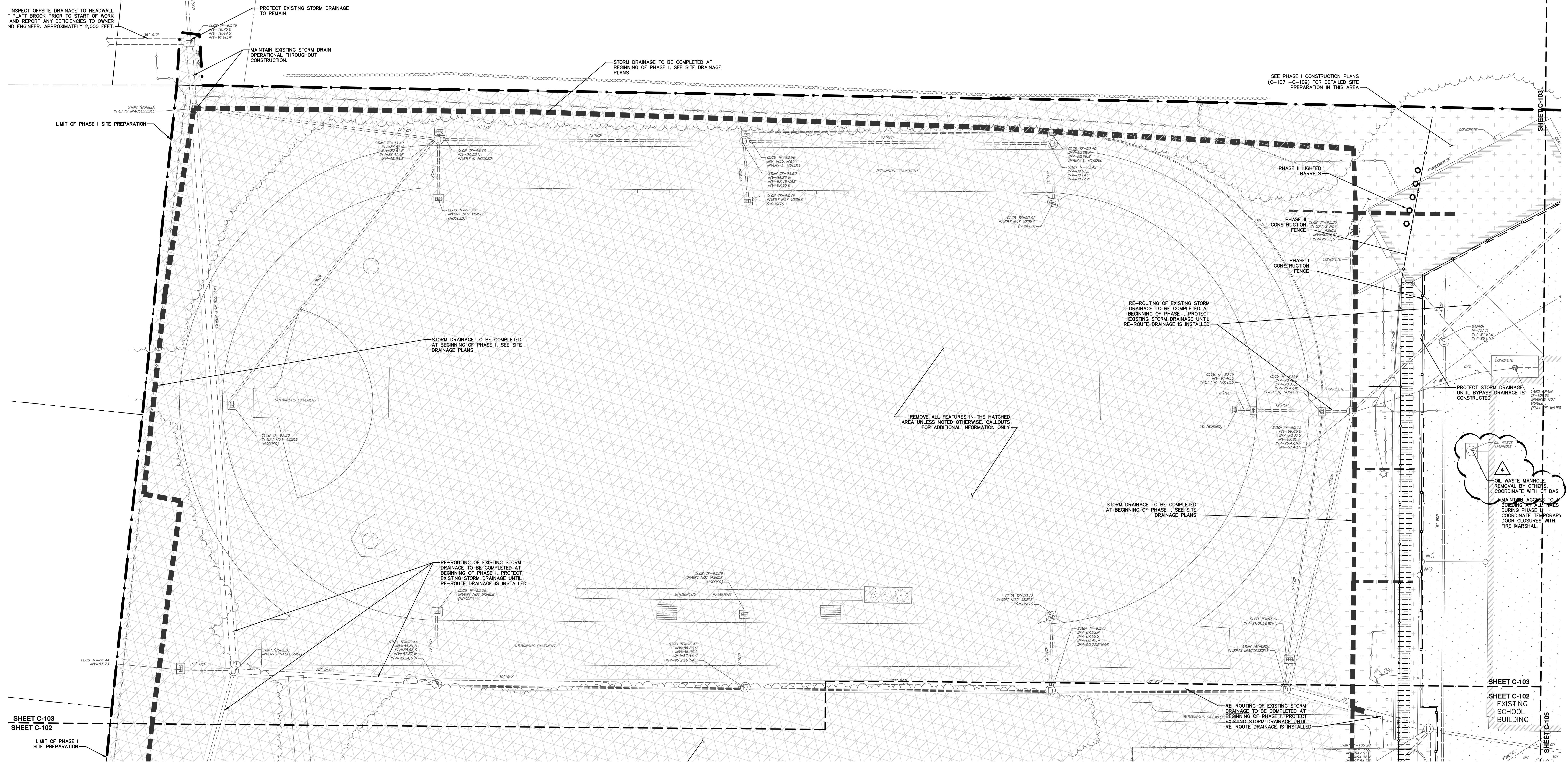
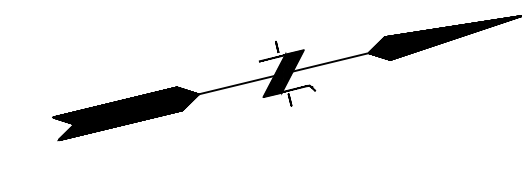
3.5 CLEANING

- A. Clean curtain and components using non-abrasive materials and methods recommended by manufacturer.
- B. Remove labels and visible markings.
- C. Touch-up, repair or replace damaged products before Substantial Completion.

3.6 PROTECTION

- A. Protect installed products until completion of project.

END OF SECTION



SHEET C-103
SHEET C-102

SHEET C-103
SHEET C-102
SHEET C-105

INSPECT OFFSITE DRAINAGE TO HEADWALL PLATT BROOK PRIOR TO START OF WORK AND REPORT ANY DEFICIENCIES TO OWNER OR ENGINEER, APPROXIMATELY 2,000 FEET.

PROTECT EXISTING STORM DRAINAGE TO REMAIN

MAINTAIN EXISTING STORM DRAIN OPERATIONAL THROUGHOUT CONSTRUCTION.

STORM DRAINAGE TO BE COMPLETED AT BEGINNING OF PHASE II. SEE SITE DRAINAGE PLANS

SEE PHASE I CONSTRUCTION PLANS (C-107 - C-109) FOR DETAILED SITE PREPARATION IN THIS AREA

LIMIT OF PHASE I SITE PREPARATION

STORM DRAINAGE TO BE COMPLETED AT BEGINNING OF PHASE I. SEE SITE DRAINAGE PLANS

REMOVE ALL FEATURES IN THE HATCHED AREA UNLESS NOTED OTHERWISE. CALLOUTS FOR ADDITIONAL INFORMATION ONLY

RE-ROUTING OF EXISTING STORM DRAINAGE TO BE COMPLETED AT BEGINNING OF PHASE I. PROTECT EXISTING STORM DRAINAGE UNTIL RE-ROUTE DRAINAGE IS INSTALLED

STORM DRAINAGE TO BE COMPLETED AT BEGINNING OF PHASE I. SEE SITE DRAINAGE PLANS

RE-ROUTING OF EXISTING STORM DRAINAGE TO BE COMPLETED AT BEGINNING OF PHASE I. PROTECT EXISTING STORM DRAINAGE UNTIL RE-ROUTE DRAINAGE IS INSTALLED

RE-ROUTING OF EXISTING STORM DRAINAGE TO BE COMPLETED AT BEGINNING OF PHASE I. PROTECT EXISTING STORM DRAINAGE UNTIL RE-ROUTE DRAINAGE IS INSTALLED

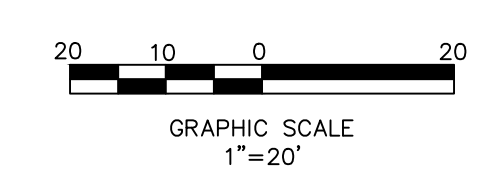
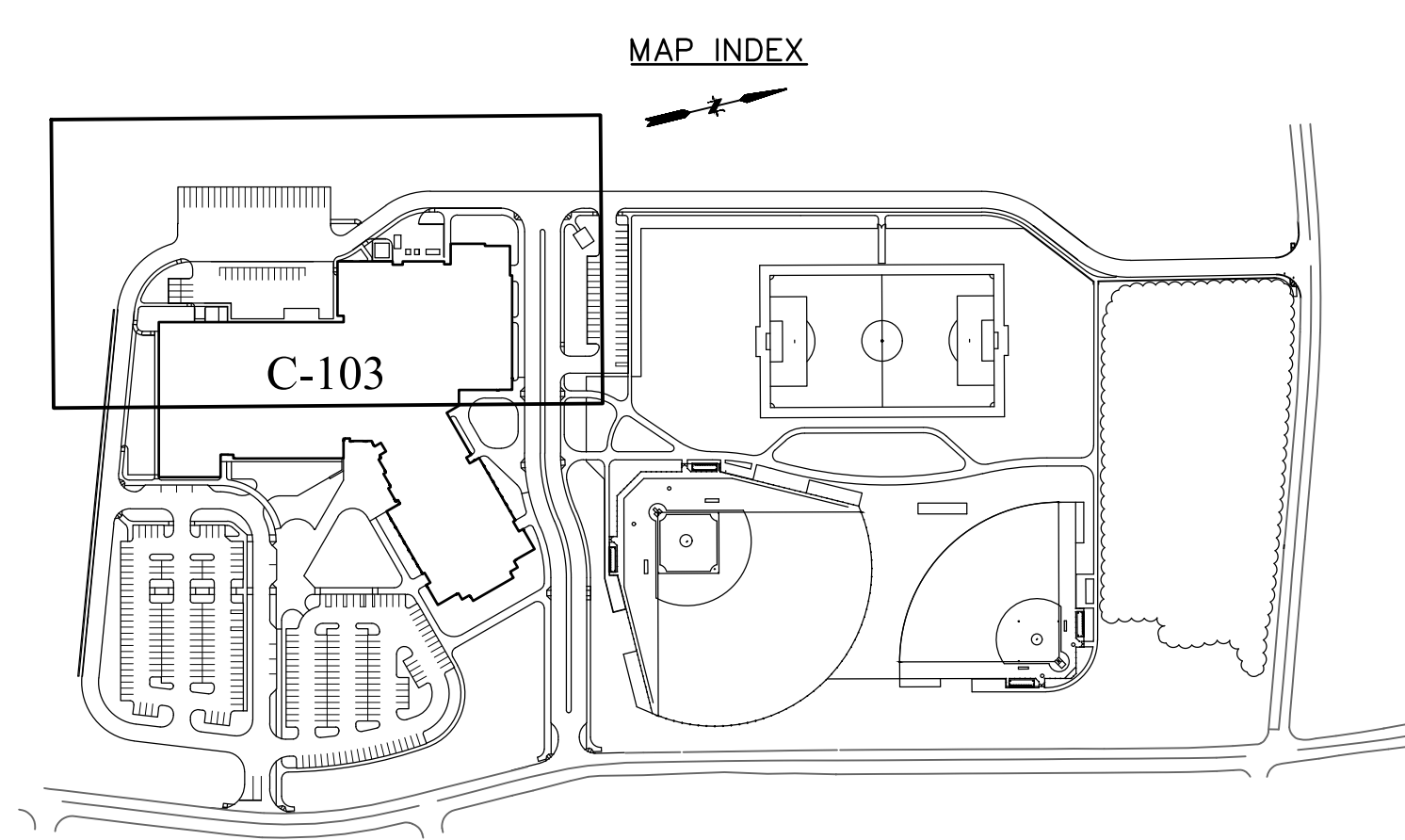
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LEGEND

95	PROPOSED CONTOURS
94.2+	PROPOSED SPOT ELEVATION
W	PROPOSED SANITARY SEWER LINE
M	PROPOSED WATER MAIN, GATE VALVE AND HYDRANT
C	PROPOSED TYPE "C" CATCH BASIN
S	PROPOSED STORM MANHOLE
93	EXISTING CONTOURS
T	EXISTING DECIDUOUS TREE
X	EXISTING LIGHT POLE
X 93.2	EXISTING SPOT ELEVATION
W	EXISTING WATER GATE VALVE
H	EXISTING HYDRANT
C	EXISTING CATCH BASIN & PIPE
S	EXISTING SANITARY MANHOLE & PIPE
T	EXISTING TELEPHONE LINE
W	EXISTING WATER MAIN
G	EXISTING GAS MAIN
E	EXISTING ELECTRIC LINES

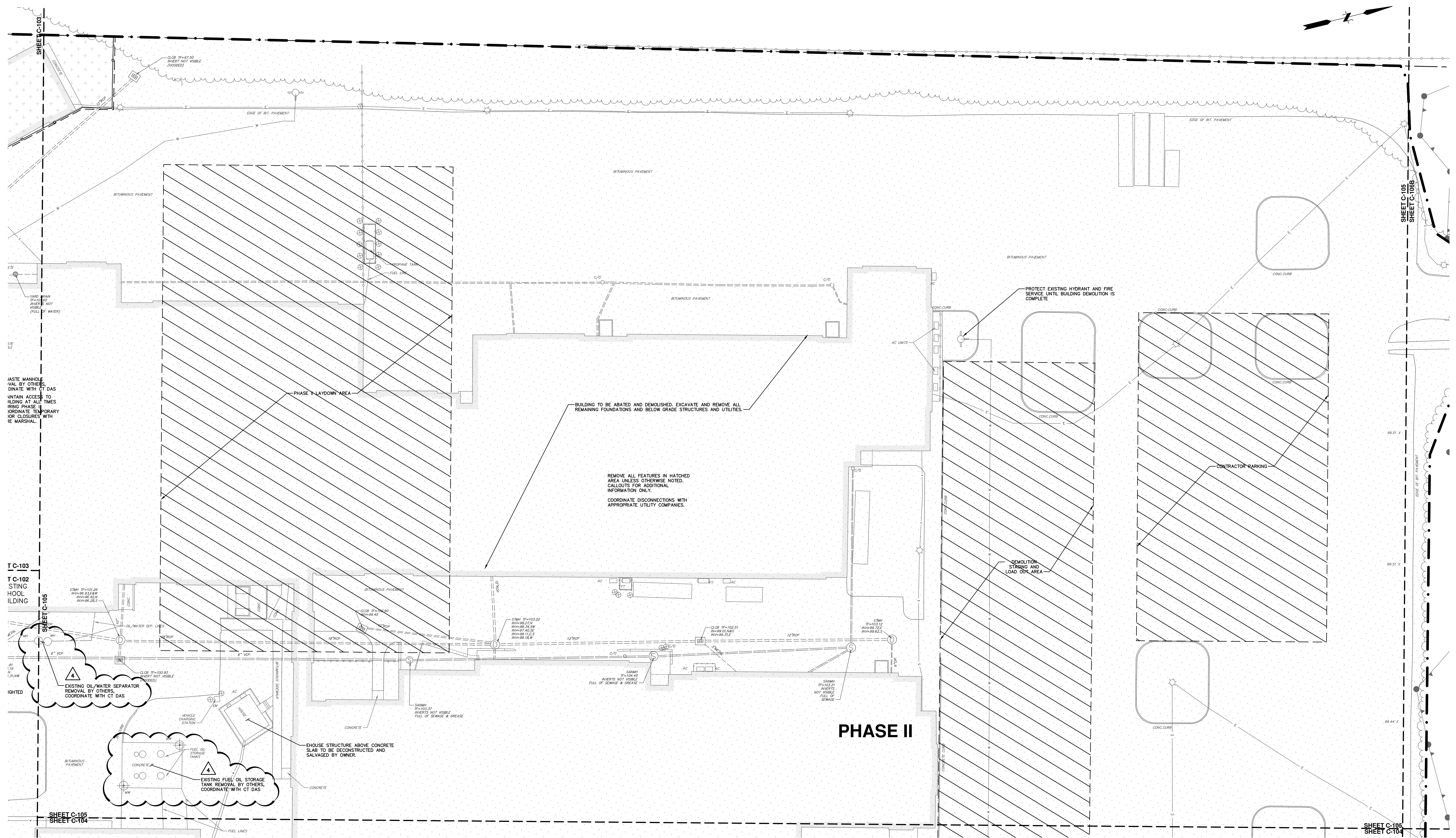
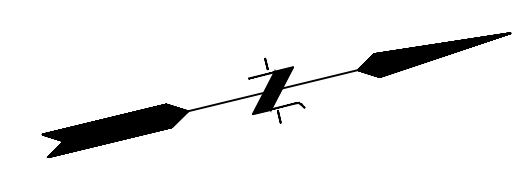
(Dashed line)	PROJECT LIMIT LINE
(Hatched area)	PHASE I SITE PREPARATION - AREA OF SELECTIVE DEMOLITION. SEE DRAWINGS C-107, C-108 & C-109 FOR MORE INFORMATION. REMOVE ALL FEATURES IN THE HATCHED AREA UNLESS NOTED OTHERWISE. CALLOUTS FOR ADDITIONAL INFORMATION ONLY
(Hatched area)	PHASE I SITE PREPARATION: REMOVE ALL FEATURES IN THE HATCHED AREA UNLESS NOTED OTHERWISE. CALLOUTS FOR ADDITIONAL INFORMATION ONLY
(Hatched area)	PHASE II SITE PREPARATION: REMOVE ALL FEATURES IN THE HATCHED AREA UNLESS NOTED OTHERWISE. CALLOUTS FOR ADDITIONAL INFORMATION ONLY
(Dashed line)	STORM DRAINAGE TO BE COMPLETED AT BEGINNING OF PHASE I

NOTES:
 1. THE PROJECT LIMIT LINE IS INTENDED TO BE USED AS A GUIDE THAT APPROXIMATES THE LIMIT OF WORK. NOT ALL FEATURES WITHIN THIS LIMIT ARE SCHEDULED TO BE DEMOLISHED OR CONSTRUCTED.
 2. INSTALL ENCLOSURE FENCE AND GATES TO LIMIT ACCESS TO CONSTRUCTION AREAS. UTILIZE EXISTING FENCE TO THE EXTENT POSSIBLE. SEE SPECIFICATION 01 50 00.



100% CONSTRUCTION DOCUMENTS	
drawing title PHASE I SITE PREPARATION PLAN	
STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
drawing prepared by FUSS & O'NEILL 146 Hartford Road Meriden, CT 06450	
date 08/09/2019	
scale 1"=20'	
drawn by sej	
approved by jd	
drawing no. C-103	
project PLATT TECHNICAL HIGH SCHOOL 400 Orange Avenue Willford, CT 06461	date 08/09/2019
CAD no. 20190142410_DM001.DWG	DCS project no. BL-RT-478 CM-R
OSGCR project no. 900-0013	

File Path: \\univred\csc\proj\DWG\2019\0142410_DM001.dwg; layout: CP-103; Plotted: Thursday, August 08, 2019 - 2:58 PM; User: NROY; Printer: NONE; CTE File: FD 2008.MONO.CTB



WASTE MANHOLE VALVE BY OTHERS. COORDINATE WITH CT DAS. MAINTAIN ACCESS TO BUILDING AT ALL TIMES. DURING PHASE II, COORDINATE TEMPORARY CLOSURES WITH THE MARSHAL.

T C-103
T C-102
STING
HOOD
BUILDING

SHEET C-105
SHEET C-104

SHEET C-105
SHEET C-104

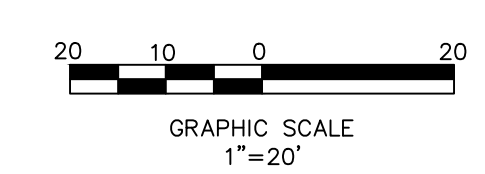
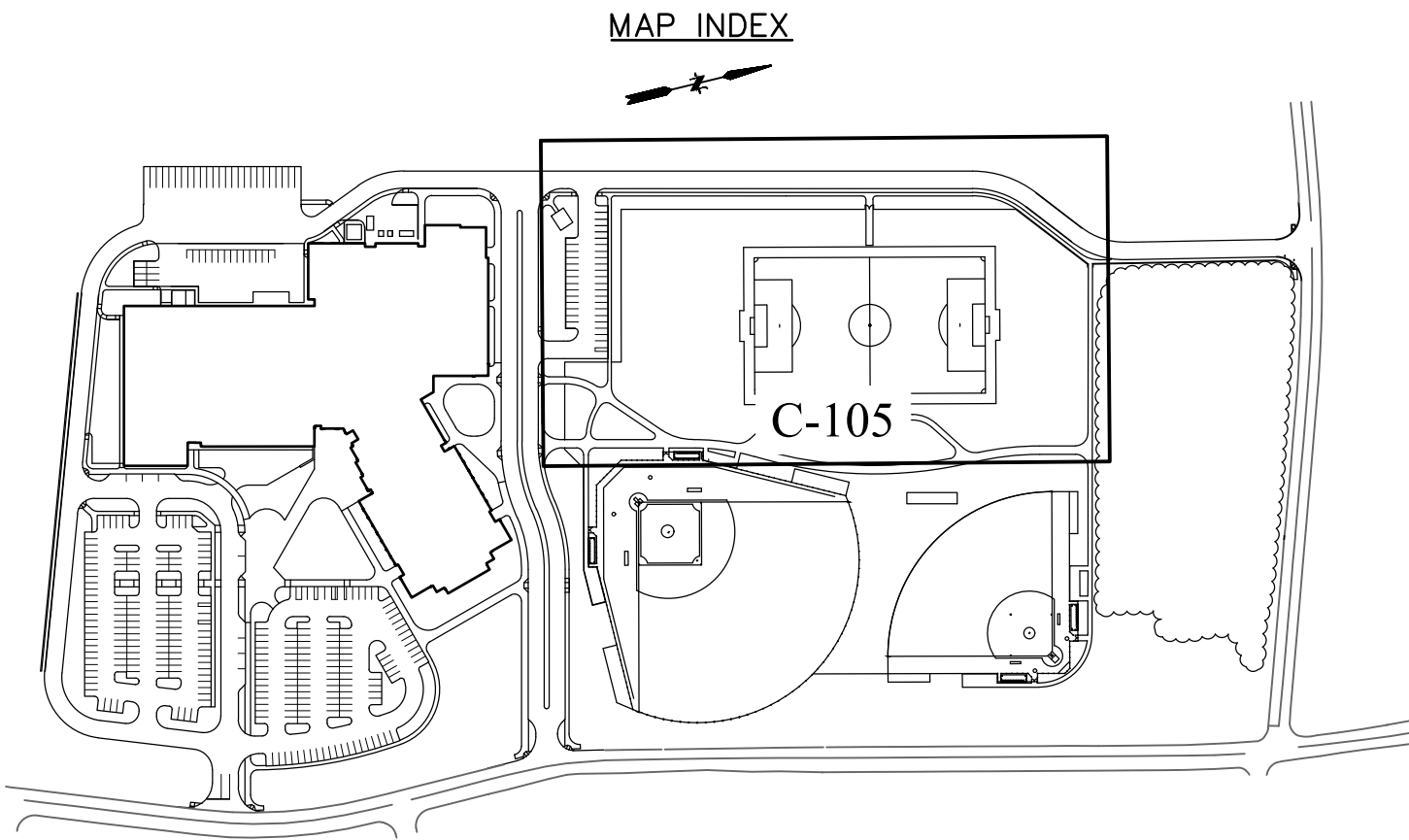
LEGEND

	PROPOSED CONTOURS
	PROPOSED SPOT ELEVATION
	PROPOSED SANITARY SEWER LINE
	PROPOSED STORM DRAINAGE LINE
	PROPOSED WATER MAIN, GATE VALVE AND HYDRANT
	PROPOSED TYPE "C" CATCH BASIN
	PROPOSED STORM MANHOLE
	PROPOSED SANITARY MANHOLE
	EXISTING CONTOURS
	EXISTING DECIDUOUS TREE
	EXISTING LIGHT POLE
	EXISTING SPOT ELEVATION
	EXISTING WATER GATE VALVE
	EXISTING HYDRANT
	EXISTING CATCH BASIN & PIPE
	EXISTING SANITARY MANHOLE & PIPE
	EXISTING STORM MANHOLE & PIPE
	EXISTING TELEPHONE LINE
	EXISTING WATER MAIN
	EXISTING GAS MAIN
	EXISTING ELECTRIC LINES

	PROJECT LIMIT LINE
	PHASE I SITE PREPARATION - AREA OF SELECTIVE DEMOLITION, SEE DRAWINGS C-107, C-108 & C-109 FOR MORE INFORMATION. REMOVE ALL FEATURES IN THE HATCHED AREA UNLESS NOTED OTHERWISE. CALLOUTS FOR ADDITIONAL INFORMATION ONLY.
	PHASE I SITE PREPARATION: REMOVE ALL FEATURES IN THE HATCHED AREA UNLESS NOTED OTHERWISE. CALLOUTS FOR ADDITIONAL INFORMATION ONLY.
	PHASE II SITE PREPARATION: REMOVE ALL FEATURES IN THE HATCHED AREA UNLESS NOTED OTHERWISE. CALLOUTS FOR ADDITIONAL INFORMATION ONLY.
	STORM DRAINAGE TO BE COMPLETED AT BEGINNING OF PHASE I

NOTES:

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2. INSTALL ENCLOSURE FENCE AND GATES TO LIMIT ACCESS TO CONSTRUCTION AREAS. UTILIZE EXISTING FENCE TO THE EXTENT POSSIBLE. SEE SPECIFICATION 01 50 00.



100% CONSTRUCTION DOCUMENTS			
drawing title		STATE OF CONNECTICUT	
PHASE II		DEPARTMENT OF ADMINISTRATIVE SERVICES	
SITE PREPARATION PLAN		drawing prepared by	
		FUSS & O'NEILL	
		140 Hartford Road	
		Meriden, CT 06450	
		project	
		PLATT TECHNICAL HIGH SCHOOL	
		400 Orange Avenue	
		Hartford, CT 06101	
CAD no.		DCS project no.	OSGCR project no.
20190142410_DM001.DWG	BL-RT-478 CM-R	900-0013	C-105
date		description	
08/09/2019	ADDENDUM #4		
date		date	
		08/09/2019	
scale		1"=20'	
drawn by		sej	
approved by		jd	
drawing no.			

A6-3-1	CURTAIN WALL TYPES	
A6-3-2	CURTAIN WALL TYPES	
A6-3-3	CURTAIN WALL TYPES	
A6-3-4	CURTAIN WALL AND STOREFRONT TYPES	RA4
A6-3-5	CURTAIN WALL AND STOREFRONT TYPES	1
A6-3-6	CURTAIN WALL TYPES	
A6-3-7	STOREFRONT AND INTERIOR STOREFRONT TYPES	
A6-3-8	INTERIOR STOREFRONT TYPES	
A6-3-9	INTERIOR STOREFRONT TYPES	
A6-3-10	TRANSLUCENT WALL PANEL AND LOUVER TYPES	
A6-3-11	CURTAIN WALL DETAILS	RA4
A6-3-12	CURTAIN WALL DETAILS	1
A6-3-13	CURTAIN WALL DETAILS	
A6-3-14	CURTAIN WALL AND EXTERIOR STOREFRONT DETAILS	
A6-3-15	CURTAIN WALL AND EXTERIOR STOREFRONT DETAILS	
A6-3-16	INTERIOR STOREFRONT DETAILS	
A6-3-17	INTERIOR STOREFRONT DETAILS	
A6-3-18	INTERIOR STOREFRONT DETAILS	
A6-3-19	INTERIOR/ EXTERIOR STOREFRONT DETAILS	
A6-3-20	TRANSLUCENT WALL PANEL AND LOUVER DETAILS	
A6-3-21	CURTAIN WALL DETAILS	RA4
A7-1-1	STAIR PLANS AND SECTIONS	1
A7-1-2	STAIR PLANS AND SECTIONS	
A7-1-3	STAIR PLANS AND SECTIONS	
A7-1-4	RAMP AND ELEVATOR PLANS AND SECTIONS	
A7-1-5	MEZZANINE STAIR PLANS AND SECTIONS	
A7-1-6	MEZZANINE STAIR PLANS AND SECTIONS	
A7-1-7	STAIR DETAILS	
A7-1-8	STAIR DETAILS	
A7-1-9	STAIR DETAILS	
A7-1-10	MEZZANINE STAIR DETAILS	
A7-1-11	MEZZANINE STAIR DETAILS AND SECTIONS	
A7-1-12	BALCONY STAIR DETAILS AND SECTIONS	
A8-1-1A	FIRST FLOOR REFLECTED CEILING PLAN - Area A	
A8-1-1B	FIRST FLOOR REFLECTED CEILING PLAN - Area B	
A8-1-1C	FIRST FLOOR REFLECTED CEILING PLAN - Area C	
A8-1-1D	FIRST FLOOR REFLECTED CEILING PLAN - Area D	
A8-1-1E	FIRST FLOOR REFLECTED CEILING PLAN - Area E	
A8-1-1F	FIRST FLOOR REFLECTED CEILING PLAN - Area F	
A8-1-2A	SECOND FLOOR REFLECTED CEILING PLAN - Area A	
A8-1-2B	SECOND FLOOR REFLECTED CEILING PLAN - Area B	
A8-1-2C	SECOND FLOOR REFLECTED CEILING PLAN - Area C	
A8-1-2D	SECOND FLOOR REFLECTED CEILING PLAN - Area D	
A8-1-2E	SECOND FLOOR REFLECTED CEILING PLAN - Area E	
A8-1-3C	CAFETERIA CLERESTORY REFLECTED CEILING PLAN	
A9-1-1	MISCELLANEOUS DETAILS	
A9-1-2	MISCELLANEOUS DETAILS	
A9-1-3	MISCELLANEOUS DETAILS	

ARCHITECTURAL FINISHES

DRA

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Sheet List

RA4-01

REF. DWG No.
INFO1-0

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013

Scale: 12" = 1'-0"

Date:

**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

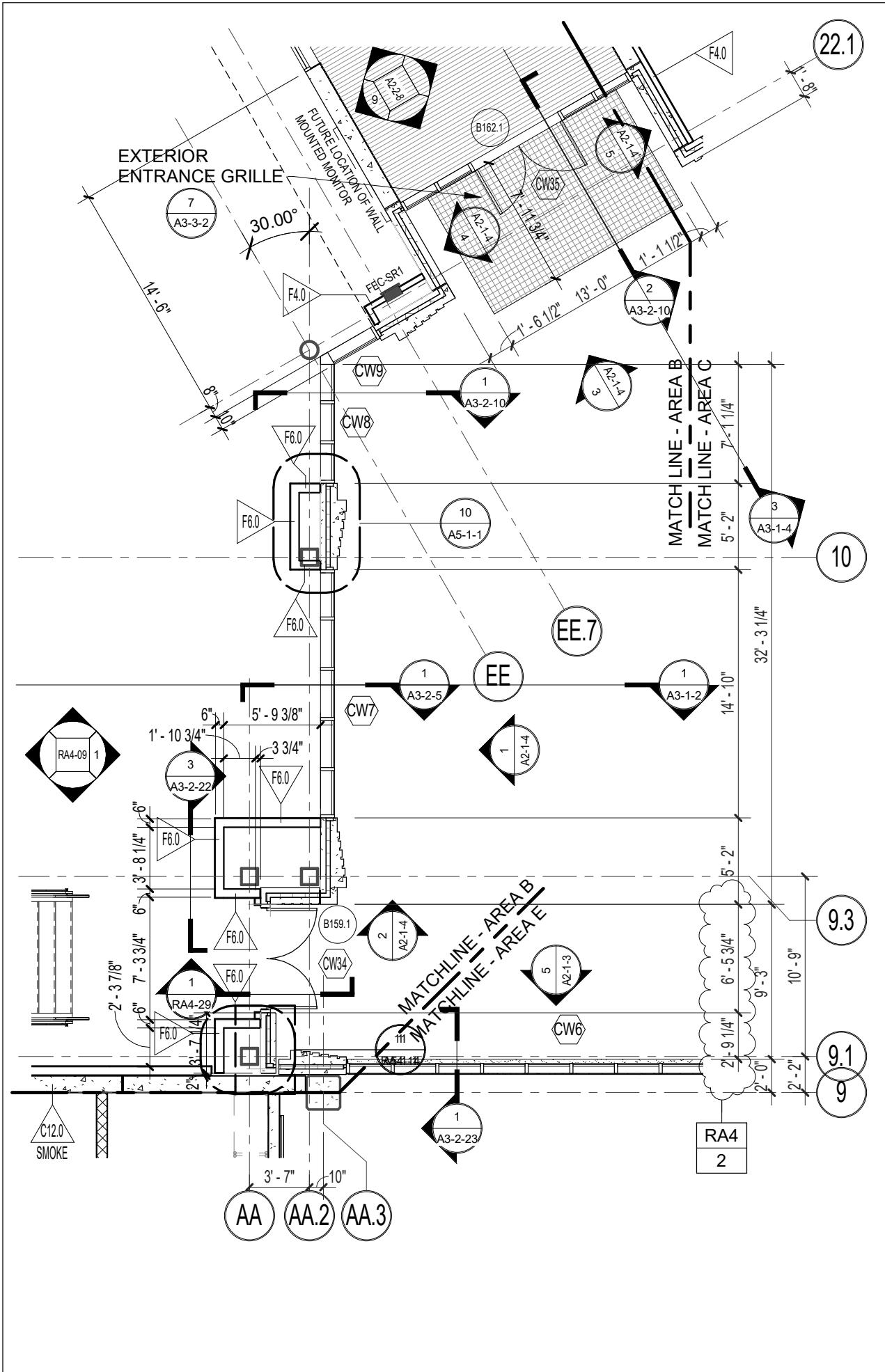
Revisions to First Floor Plan - Area B

**Addendum
No. 4**

RA4-02

REF. DWG No.
A1-1-1B

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013
Scale: 1/8" = 1'-0"
Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revisions to Second Floor Plan - Area C

**Addendum
No. 4**

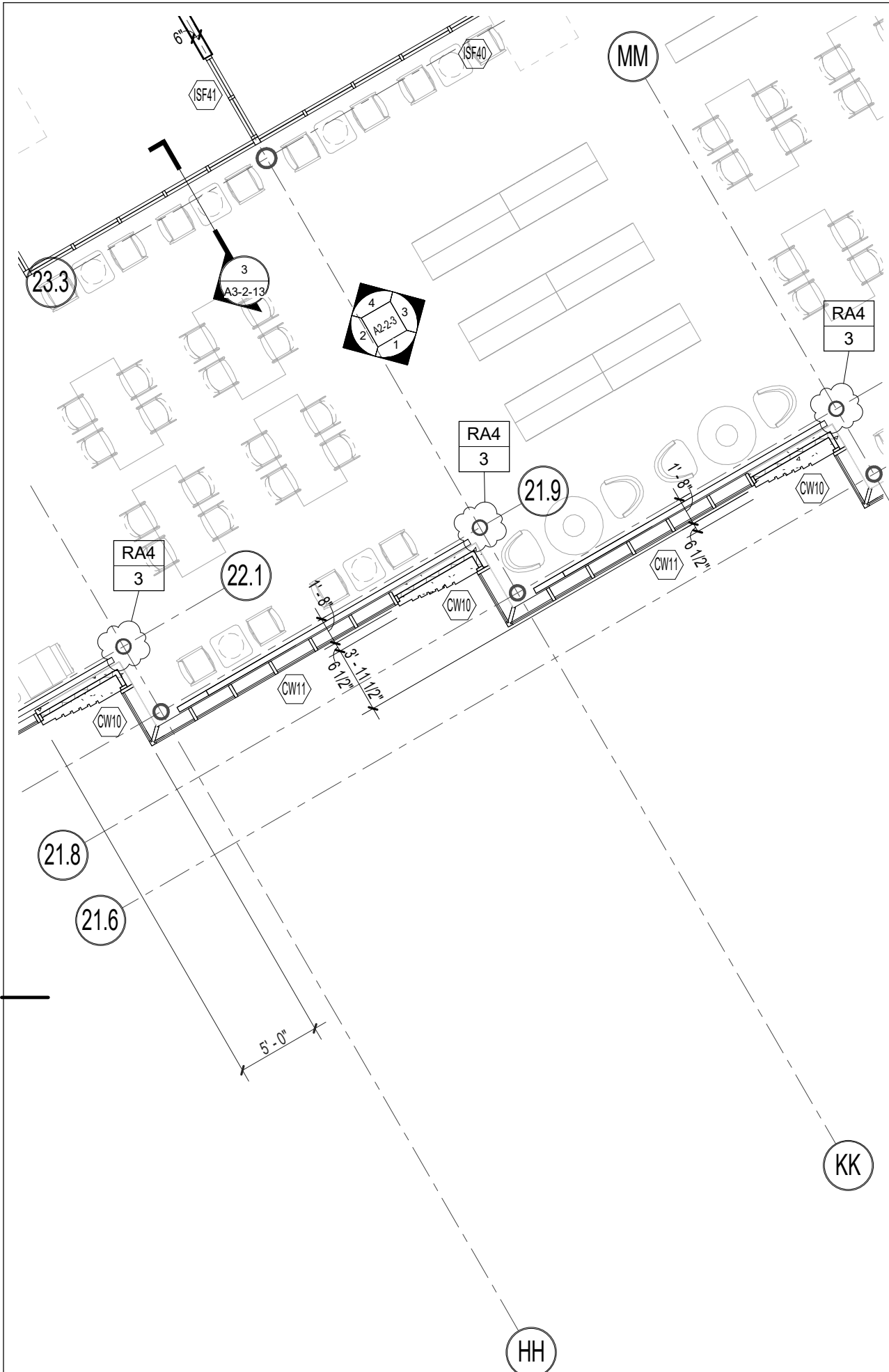
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REF. DWG No.
A1-1-2C

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BI-RT-878 CM-R
OSCGR Project No.
900-0013

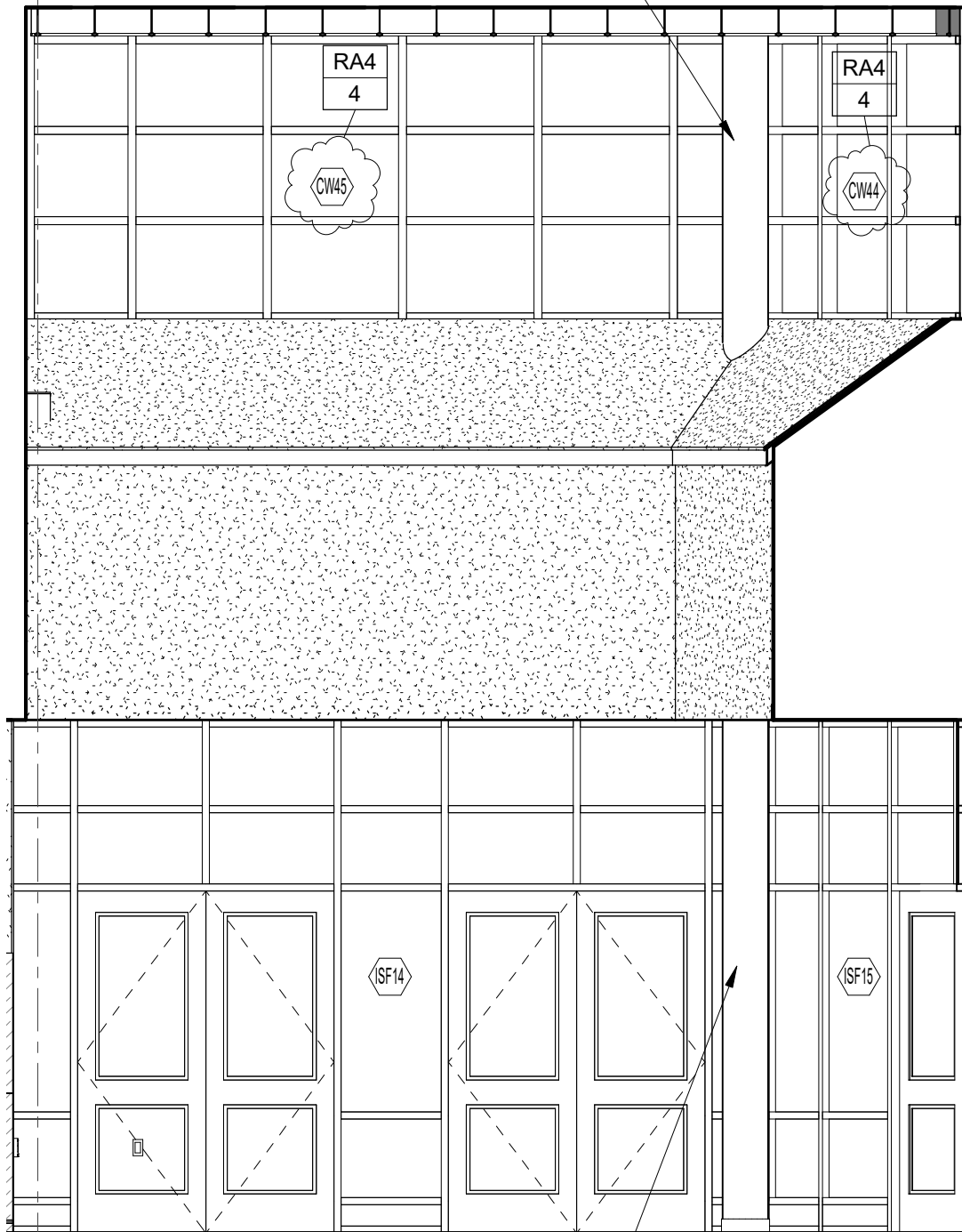
Scale: 1/8" = 1'-0"

Date: 08/09/2019



U.5

TWO-HOUR RATED STEEL COLUMN W/
INTUMESCENT COATING; SEE STRUCTURAL



TWO-HOUR RATED STEEL COLUMN W/
INTUMESCENT COATING; SEE STRUCTURAL

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Corridor - First Floor Area A - North Elevation (Part B)

**Addendum
No. 4**

RA4-04

REF. DWG No.
5 / A2-2-1

DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

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

Date: 08/09/2019

K.8

EXPOSED, PAINTED DUCTWORK; SEE MECHANICAL

RA4
6

CW36

GYMNASIUM DIVIDER CURTAIN; SEE EQUIPMENT

H16
371

H15
371

H14
371

ALL SURFACES BEHIND BLEACHERS TO BE PAINTED

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revisions to Interior Elevation - Gymnasium North

**Addendum
No. 4**

RA4-06

REF. DWG No.
1 / A2-2-4

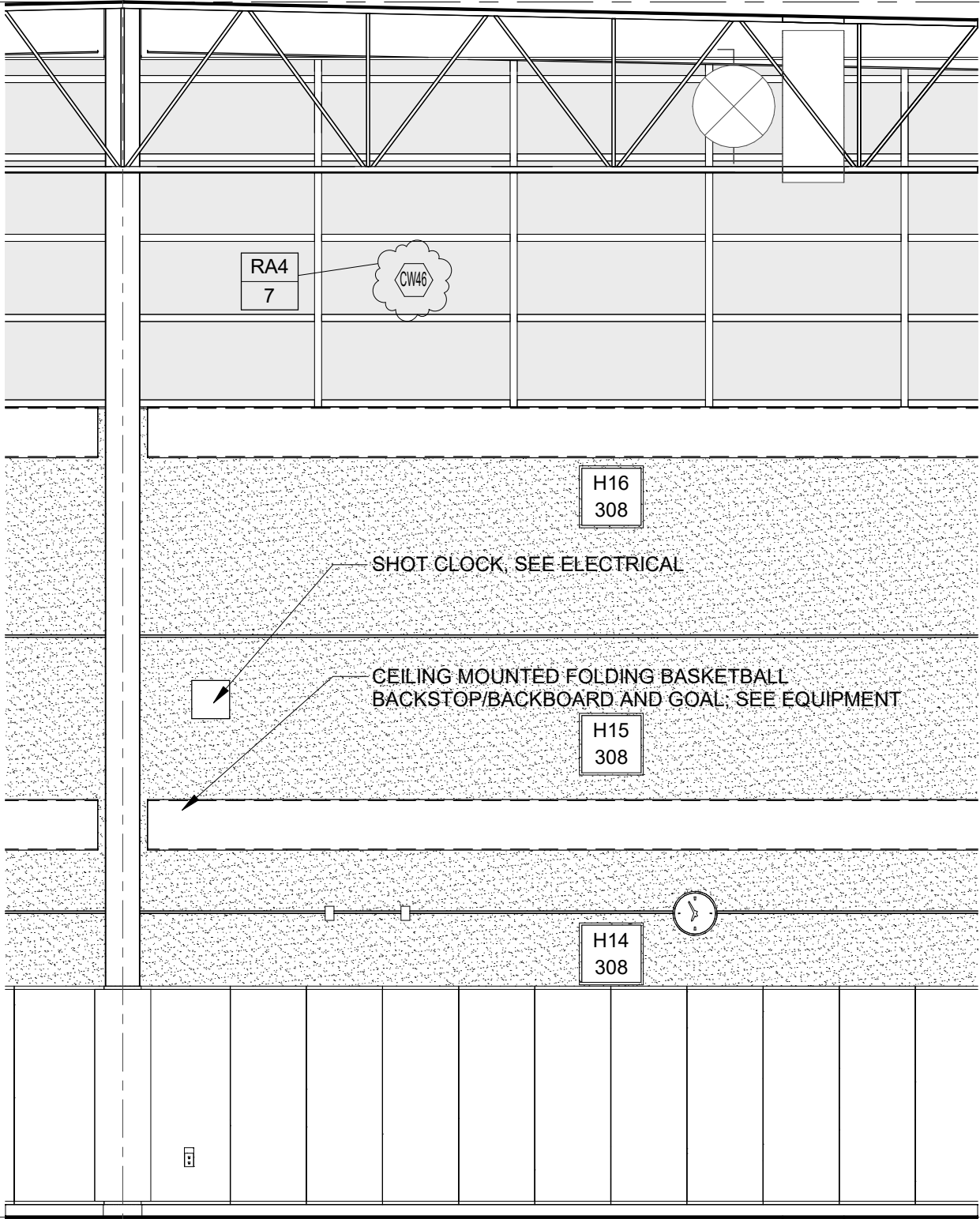
DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

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

Date: 08/09/2019

18



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revisions to Interior Elevation - Gymnasium East

**Addendum
No. 4**

RA4-07

REF. DWG No.
2 / A2-2-4

DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

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

Date: 08/09/2019

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

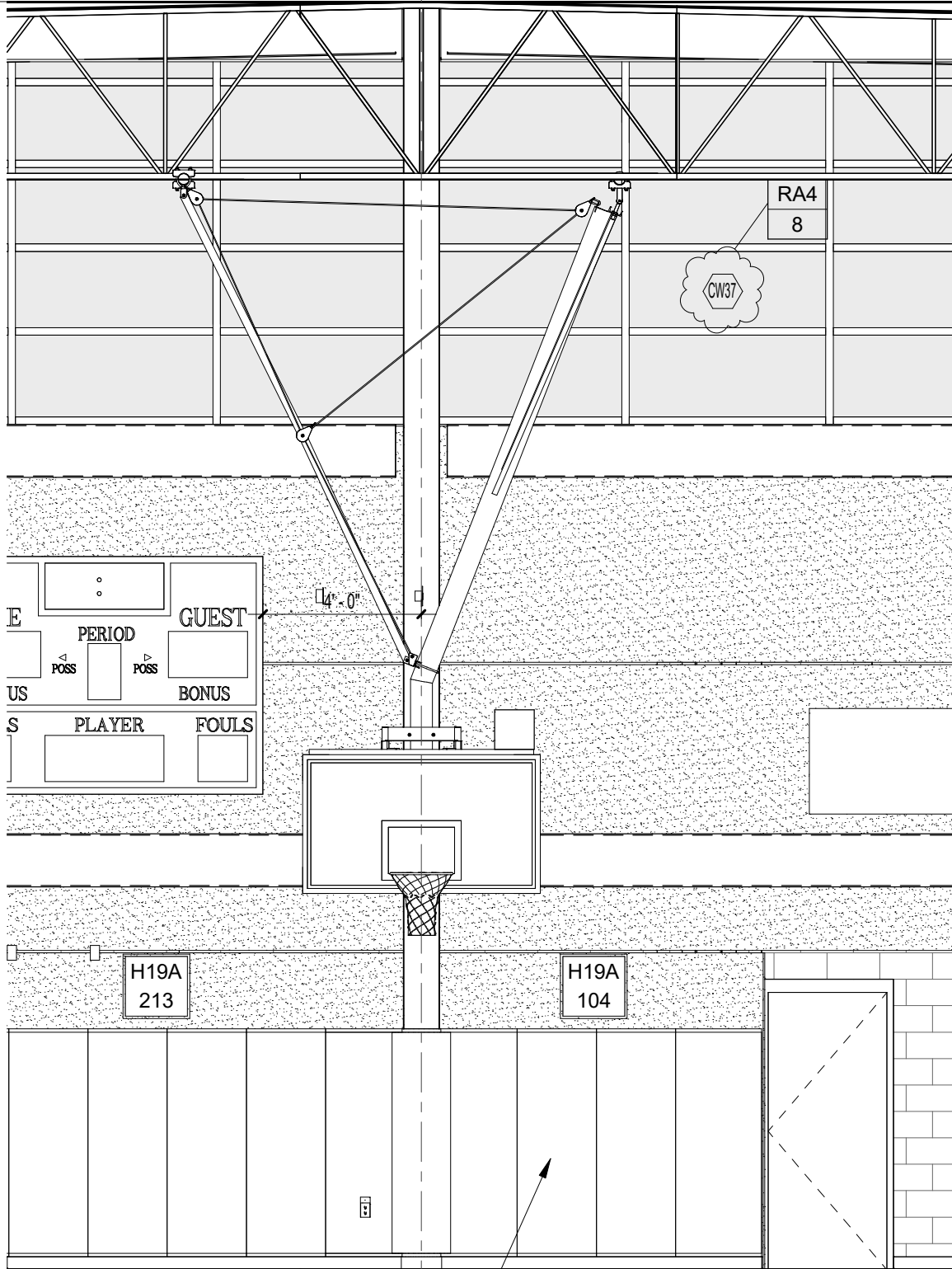
Revisions to Interior Elevation - Gymnasium West

**Addendum
No. 4**

RA4-08

REF. DWG No.
2 / A2-2-5

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013
Scale: 1/4" = 1'-0"
Date: 08/09/2019



FIXED GYM WALL PADDING - 24" WIDTH,
TYPICAL. SEE EQUIPMENT

9.3

10

GYPSUM WALL BOARD, PAINTED
LEVEL 5 FINISH

RA4
9

TWO-HOUR RATED STEEL BEAM W/
INTUMESCENT COATING; SEE STRUCTURAL
INSULATED GLASS IN ALUMINUM FRAME

TWO-HOUR RATED STEEL BEAM W/
INTUMESCENT COATING; SEE STRUCTURAL

RA4
9

PHOTOLUMINESCENT GUIDANCE STRIP

THIN PORCELAIN TILE W/ METAL EDGE TRIM AT ALL
EDGES AND OUTSIDE CORNERS (TPT-1)

PHOTOLUMINESCENT
GUIDANCE STRIP

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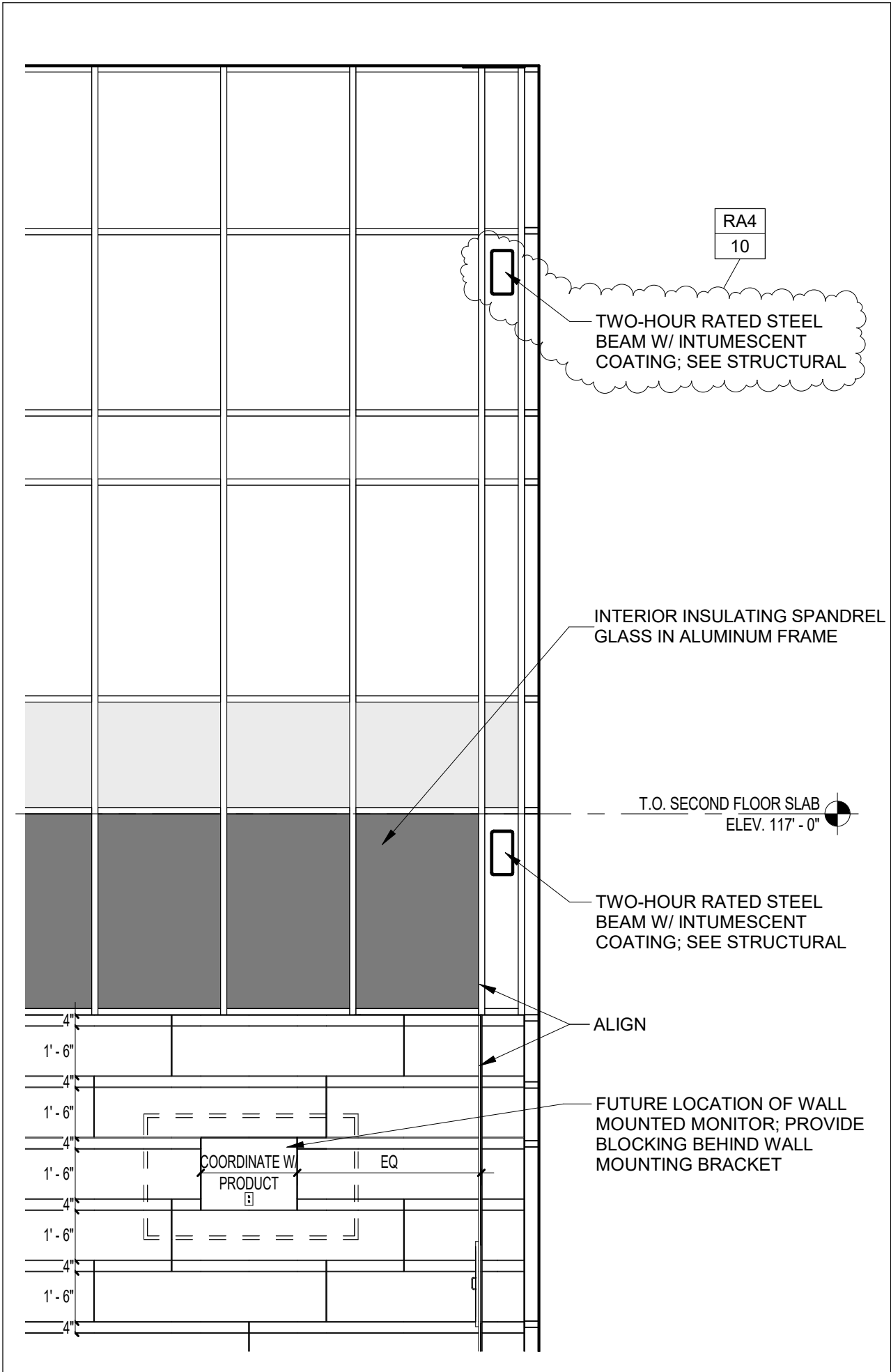
**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**
Revisions to Area B - Cafeteria - East Elevation

**Addendum
No. 4**

RA4-10

REF. DWG No.
6 / A2-2-7

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013
Scale: 1/4" = 1'-0"
Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

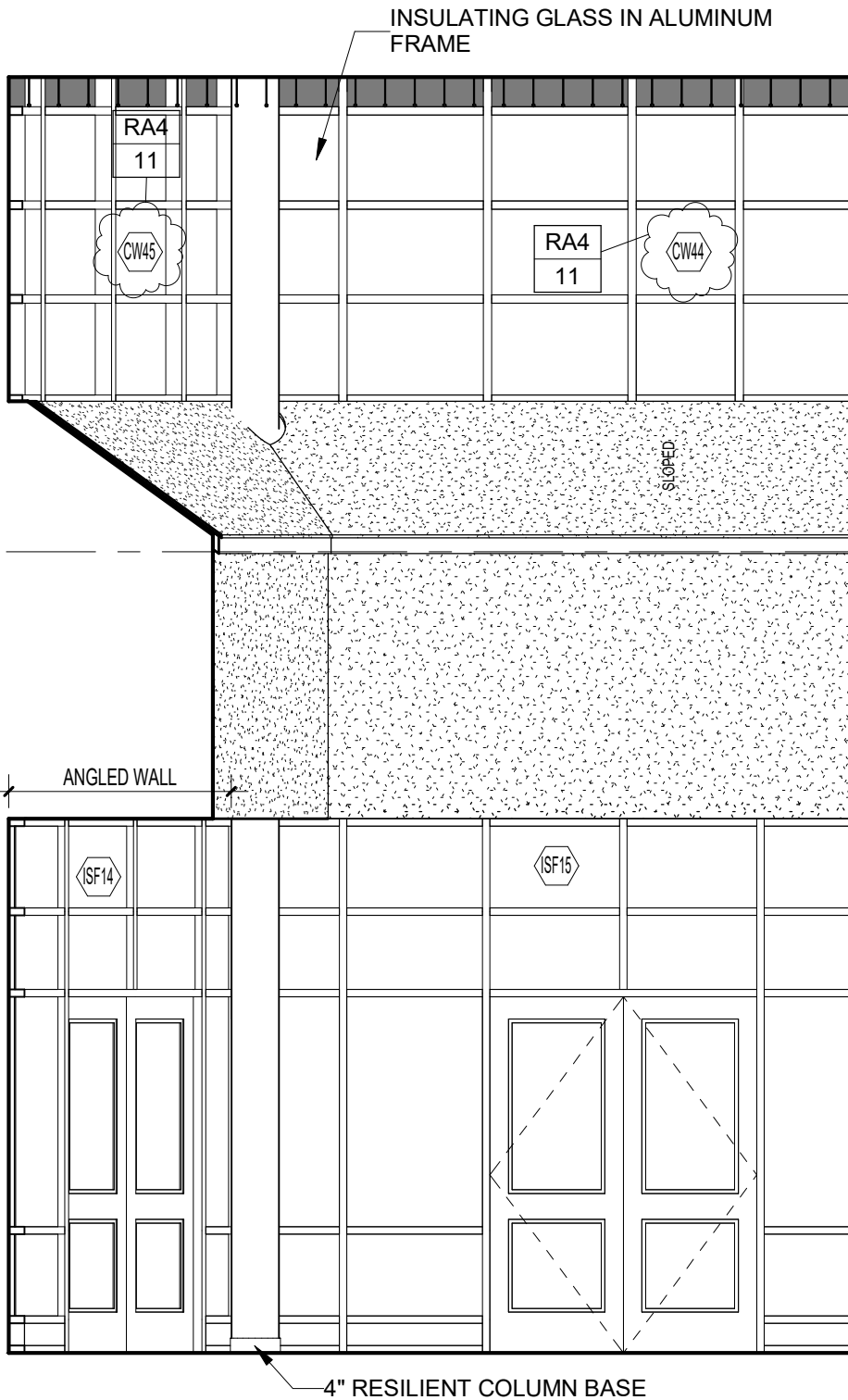
Revisions to Area B - Cafeteria - East Elevation

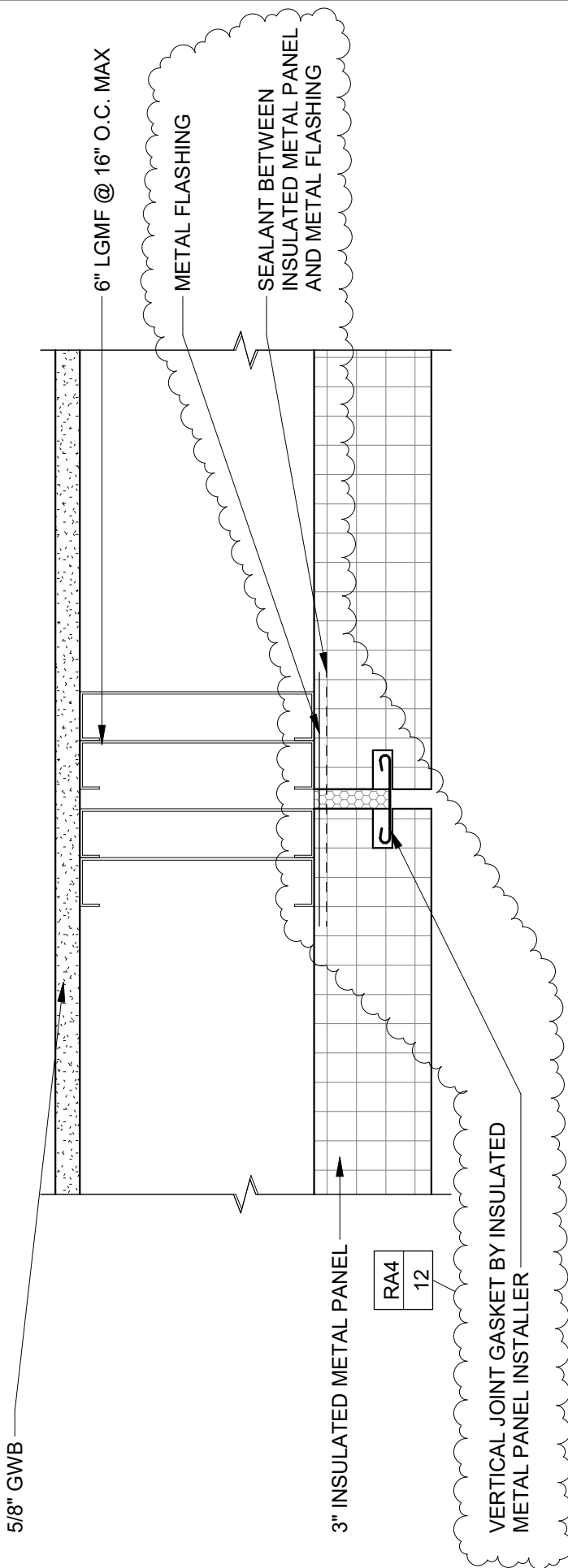
**Addendum
No. 4**

RA4-11

REF. DWG No.
6 / A2-2-7

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013
Scale: 1/4" = 1'-0"
Date: 08/09/2019





TYP. INSULATED METAL PANEL VERTICAL JOINT DETAIL

3" = 1'-0"

8

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revisions to Typ. Insulated Metal Panel Vertical Joint Detail

**Addendum
No. 4**

RA4-12

REF. DWG No.
8 / A3-3-2

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013

Scale: 3" = 1'-0"
Date: 08/09/2019

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Precast Panel Type V22

**Addendum
No. 4**

RA4-13

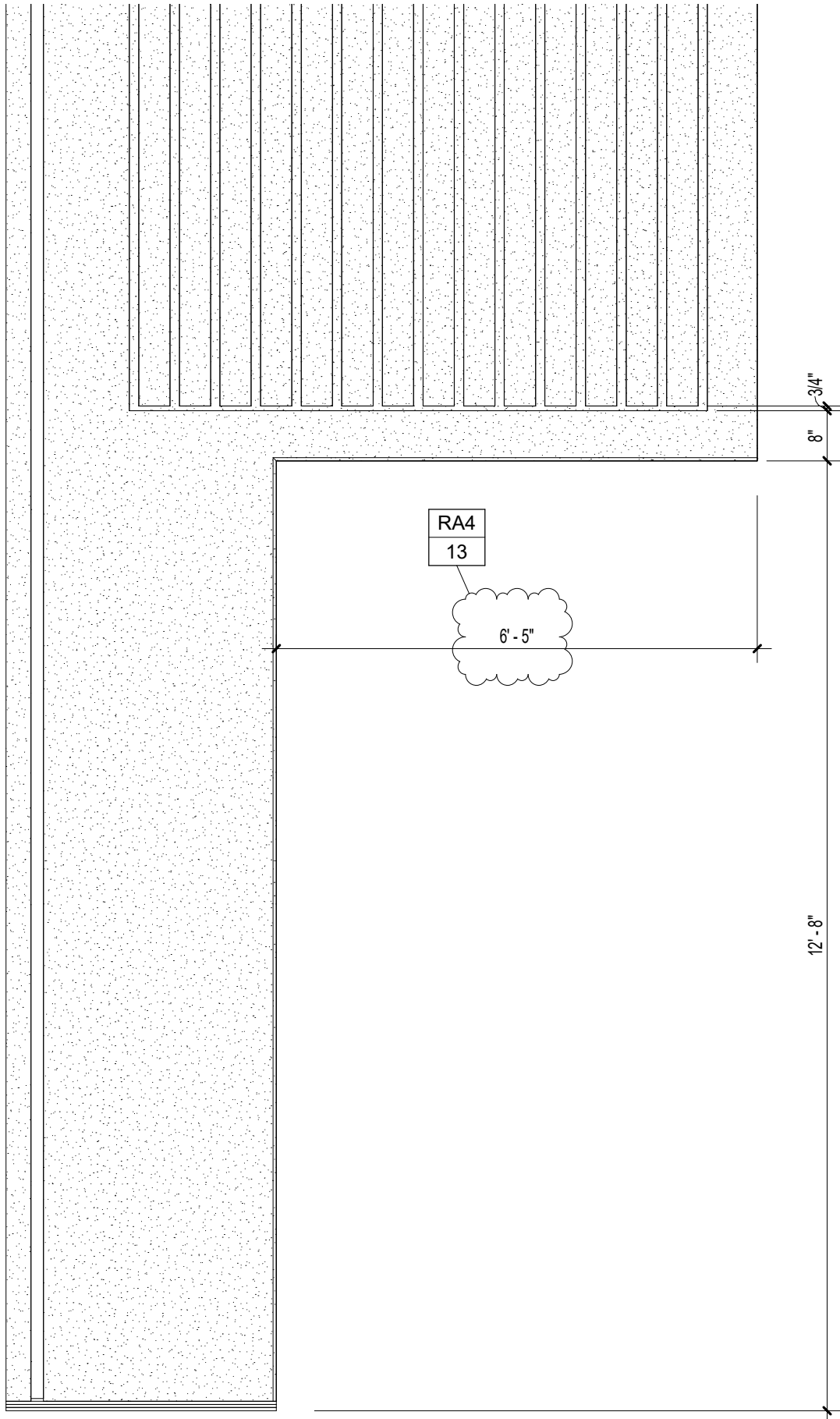
REF. DWG No.
Type V22 / A3-4-15

DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

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

Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Exterior Plan Detail 11/A5-1-1

**Addendum
No. 4**

RA4-14

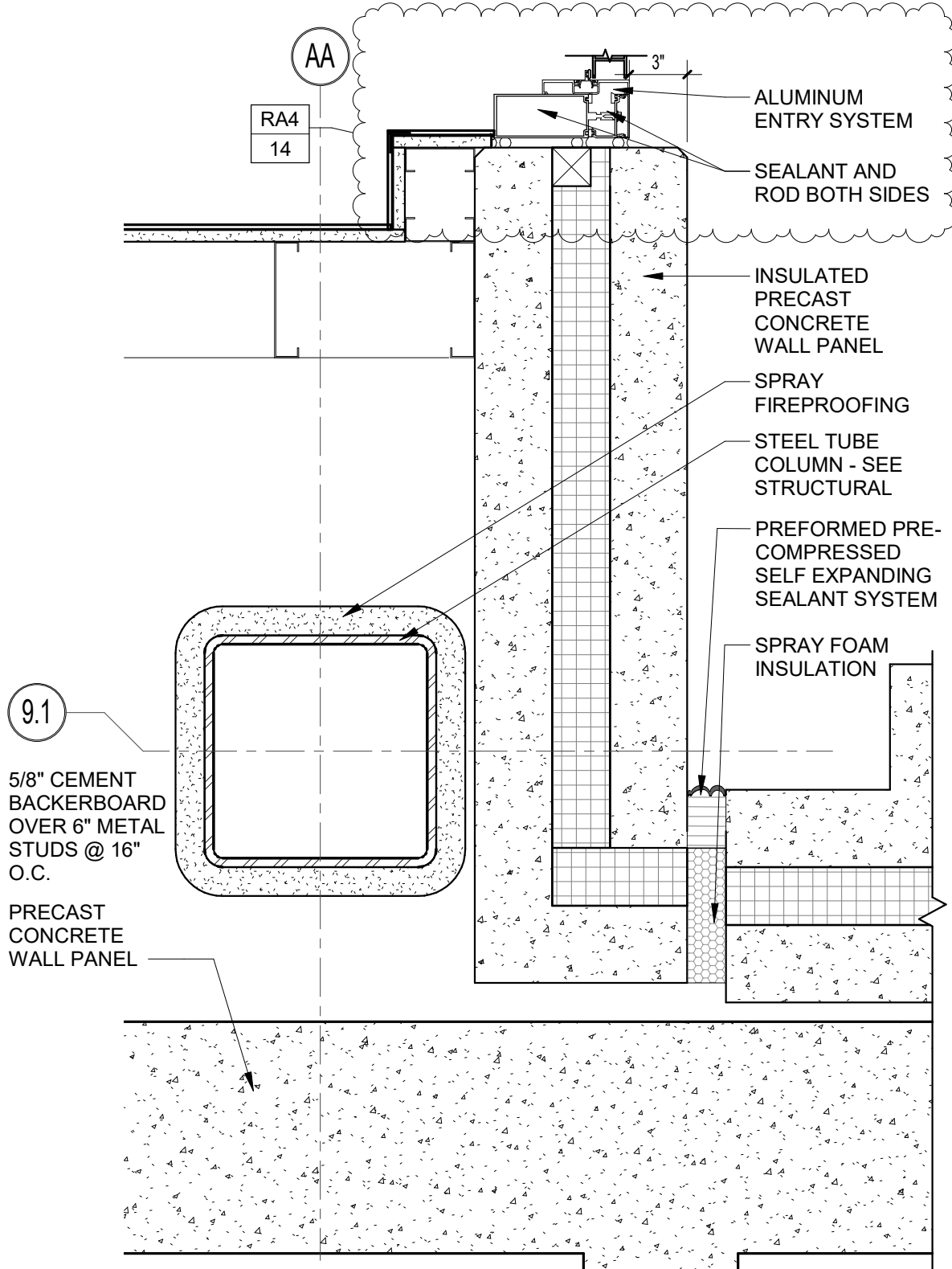
REF. DWG No.
11 / A5-1-1

DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

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

Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

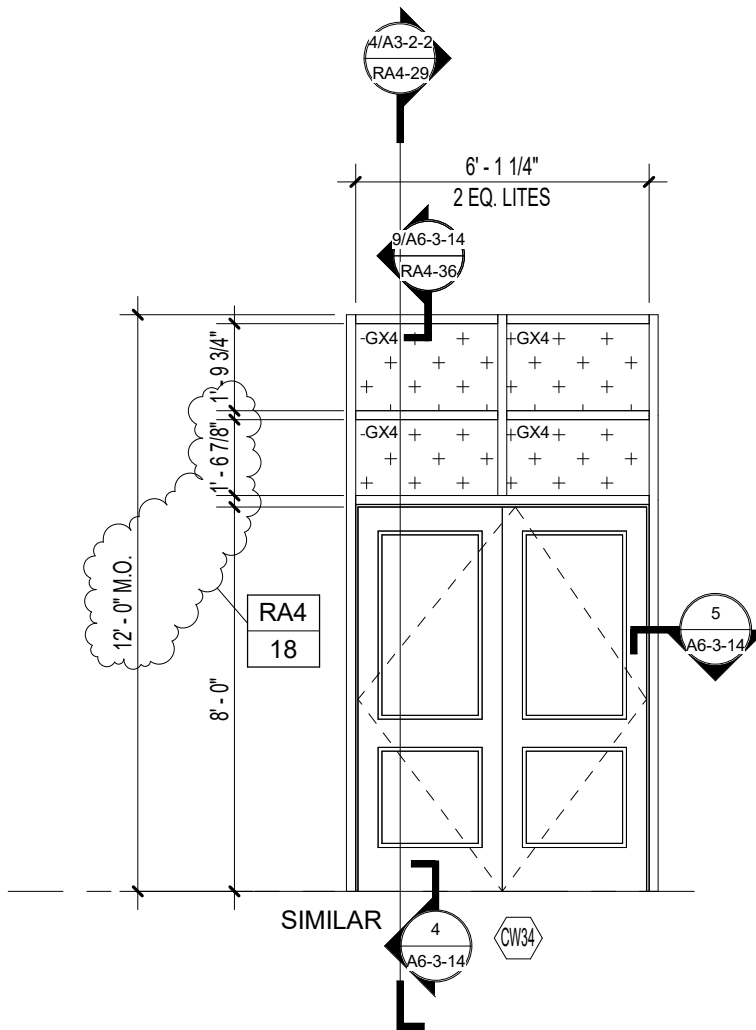
Revision to Curtain Wall Type 34

**Addendum
No. 4**

RA4-18

REF. DWG No.
CW34 / A6-3-14

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013
Scale: 1/4" = 1'-0"
Date: 08/09/2019



**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Curtain Wall Type 44

**Addendum
No. 4**

RA4-19

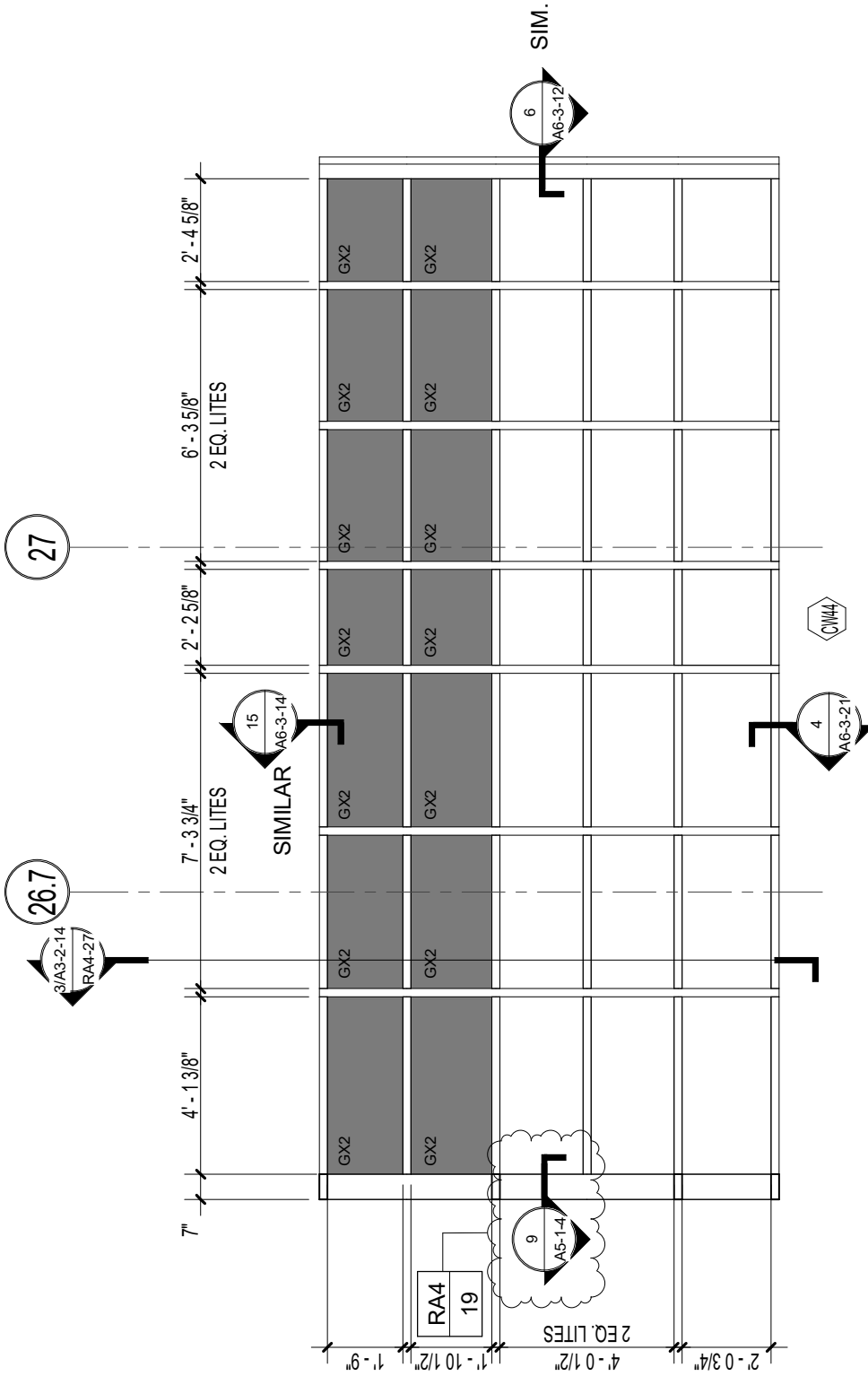
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CW44 / A6-3-6

DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

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

Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Wall Section 2/A3-2-2

**Addendum
No. 4**

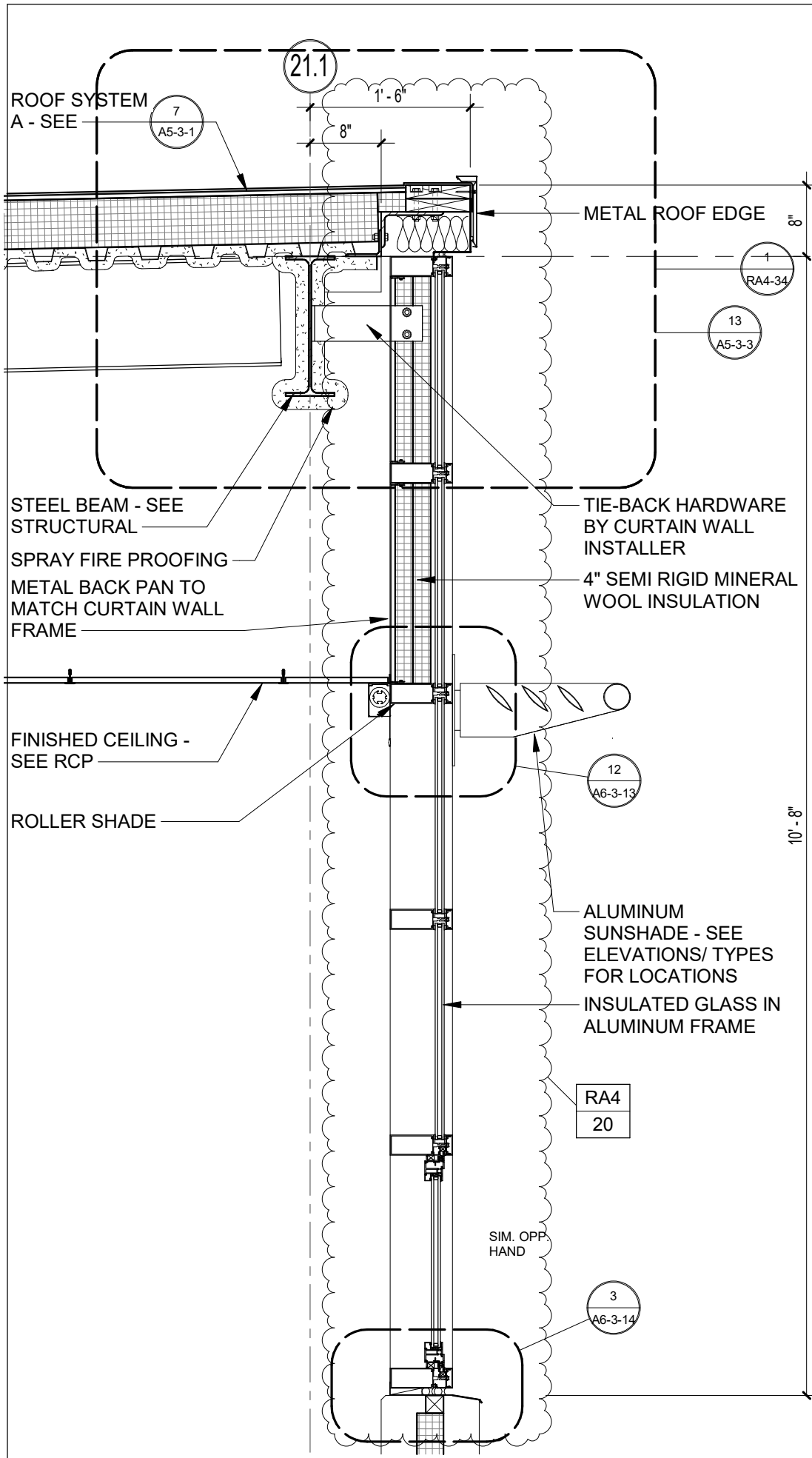
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REF. DWG No.
2 / A3-2-2

DCS Project No.
BI-RT-878 CM-R
OSGR Project No.
900-0013

Scale: 3/4" = 1'-0"

Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

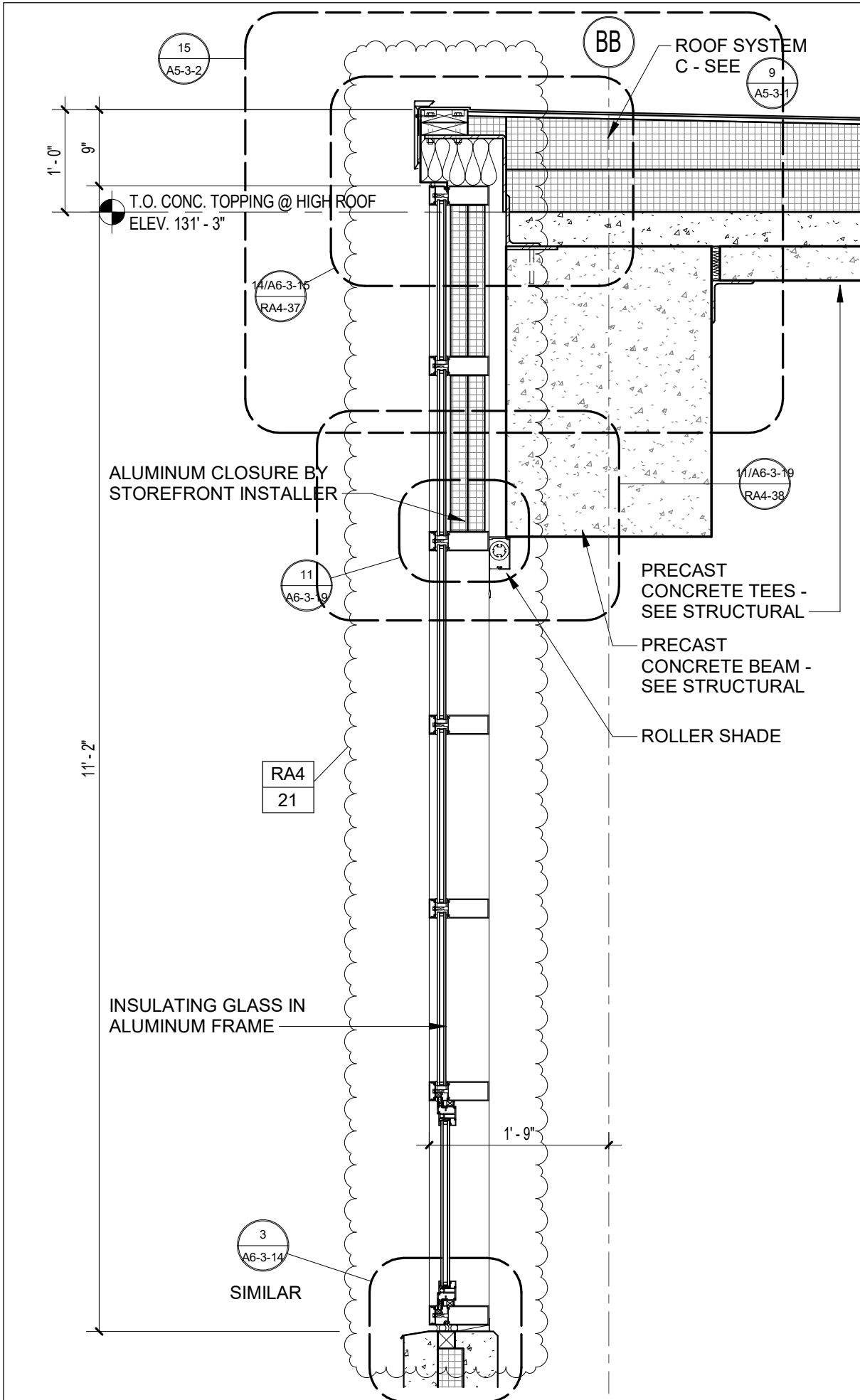
Revision to Wall Section 1/A3-2-3

**Addendum
No. 4**

RA4-21

REF. DWG No.
1 / A3-2-3

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013
Scale: 3/4" = 1'-0"
Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Wall Section 1/A3-2-4

**Addendum
No. 4**

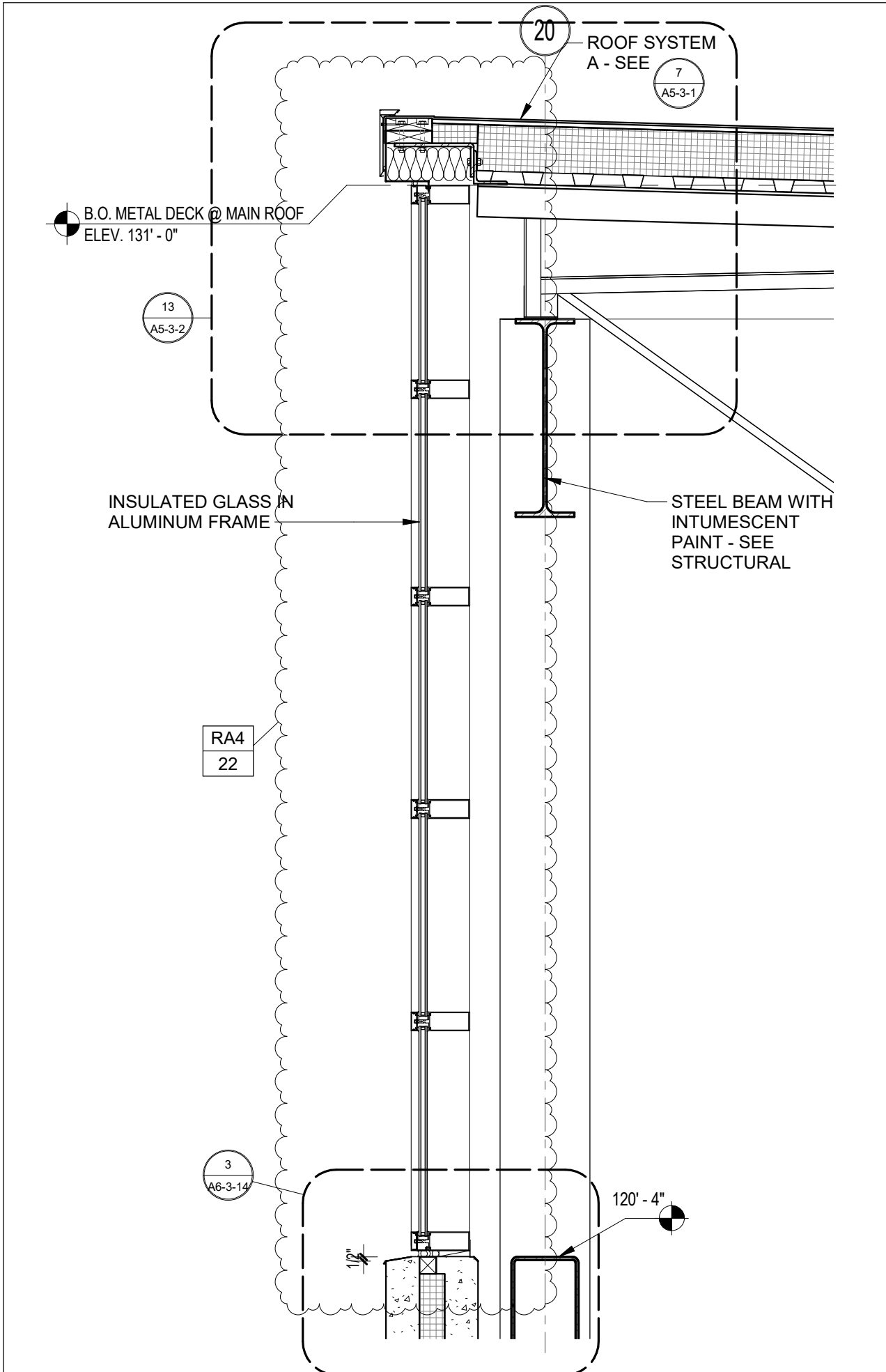
RA4-22

REF. DWG No.
1 / A3-2-4

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013

Scale: 3/4" = 1'-0"

Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Wall Section 2/A3-2-4

**Addendum
No. 4**

RA4-23

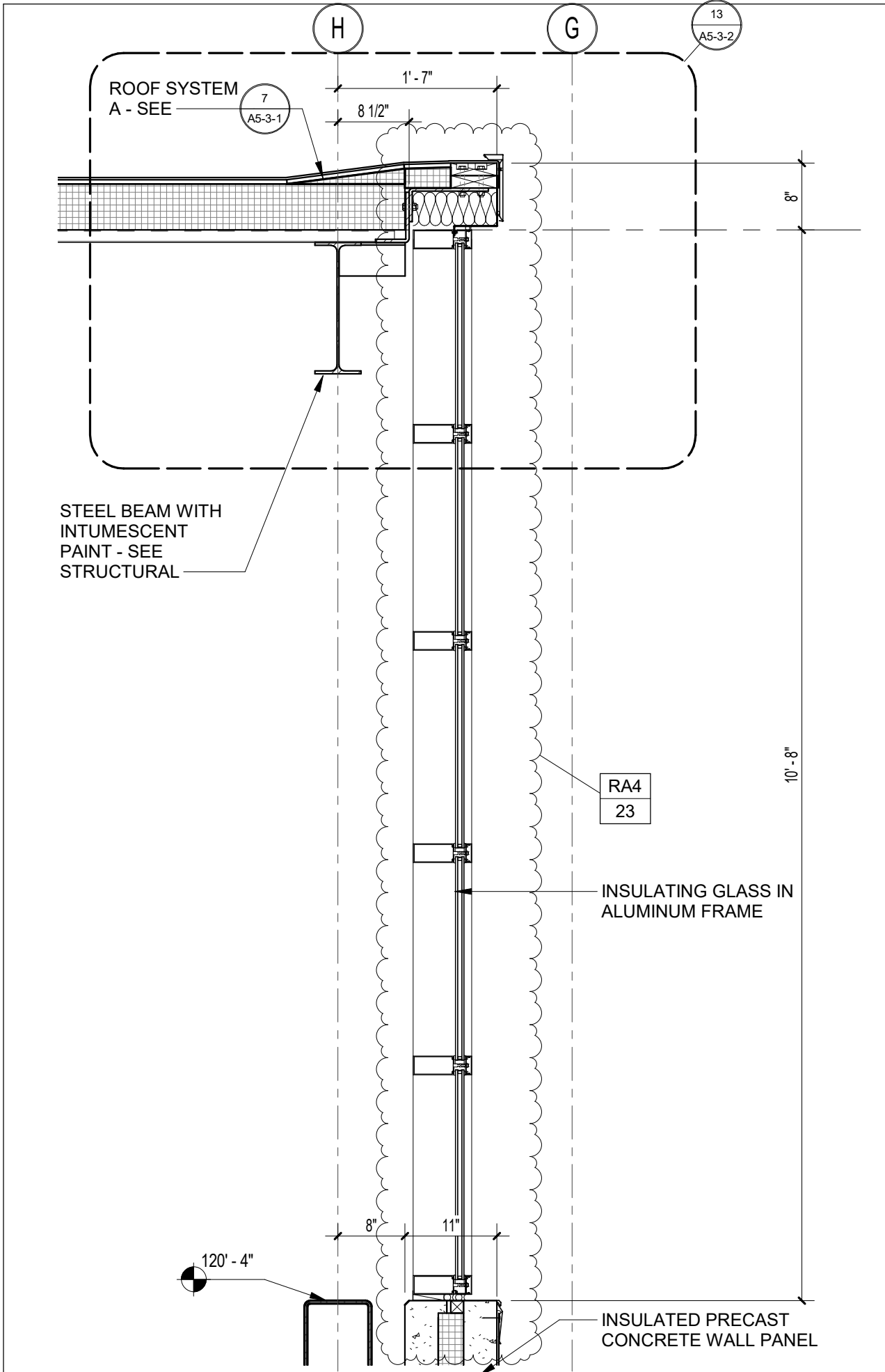
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2 / A3-2-4

DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

Scale: 3/4" = 1'-0"

Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Wall Section 3/A3-2-14

**Addendum
No. 4**

RA4-27

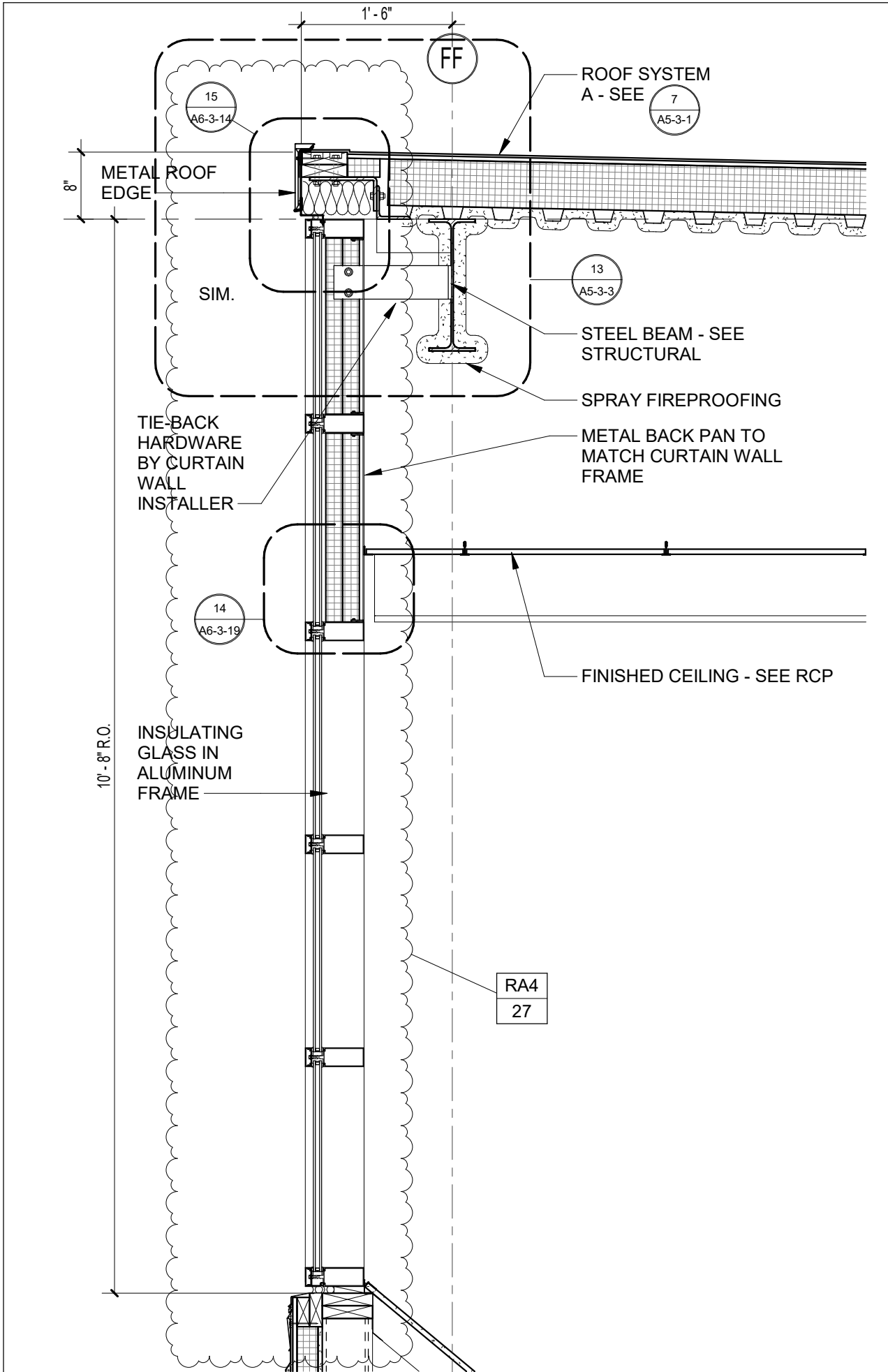
REF. DWG No.
3 / A3-2-14

DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

Scale: 3/4" = 1'-0"

Date: 08/09/2019



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860-644-8300

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Wall Section 4/A3-2-22

**Addendum
No. 4**

RA4-29

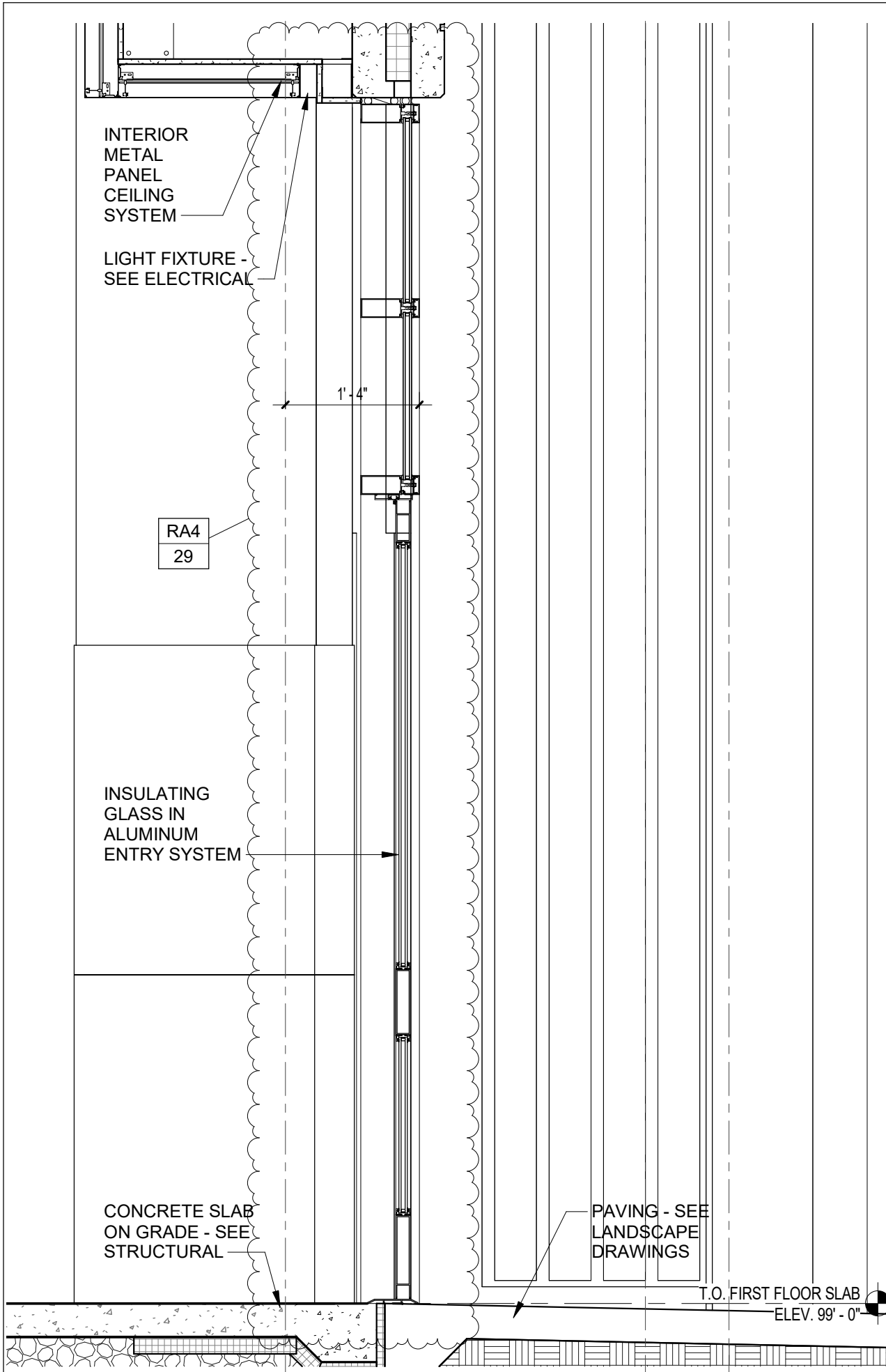
REF. DWG No.
4 / A3-2-22

DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

Scale: 3/4" = 1'-0"

Date: 08/09/2019



DRA

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Wall Section 1/A3-2-23

**Addendum
No. 4**

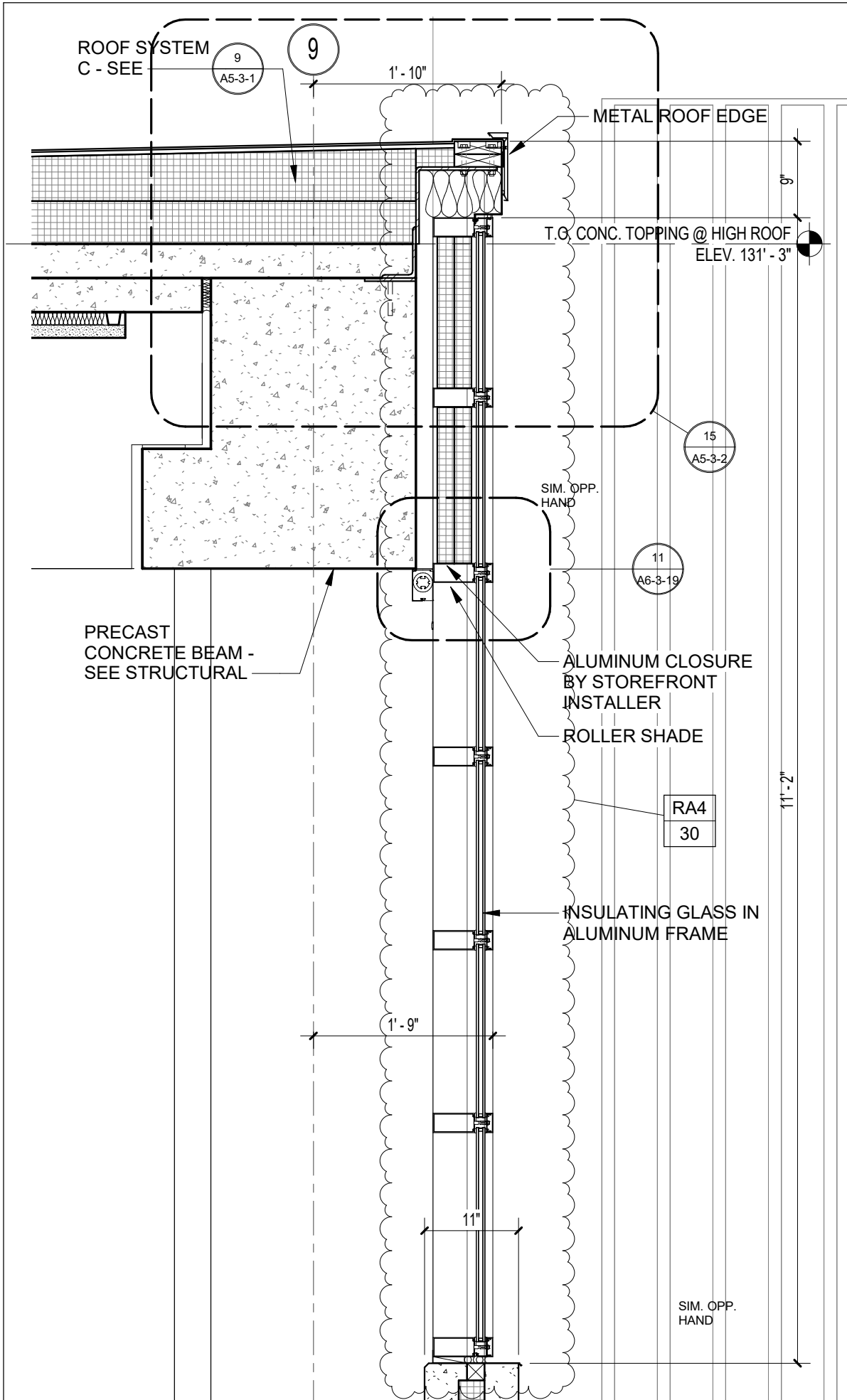
RA4-30

REF. DWG No.
1 / A3-2-23

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013

Scale: 3/4" = 1'-0"

Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Wall Section 1/A3-2-5

**Addendum
No. 4**

RA4-31

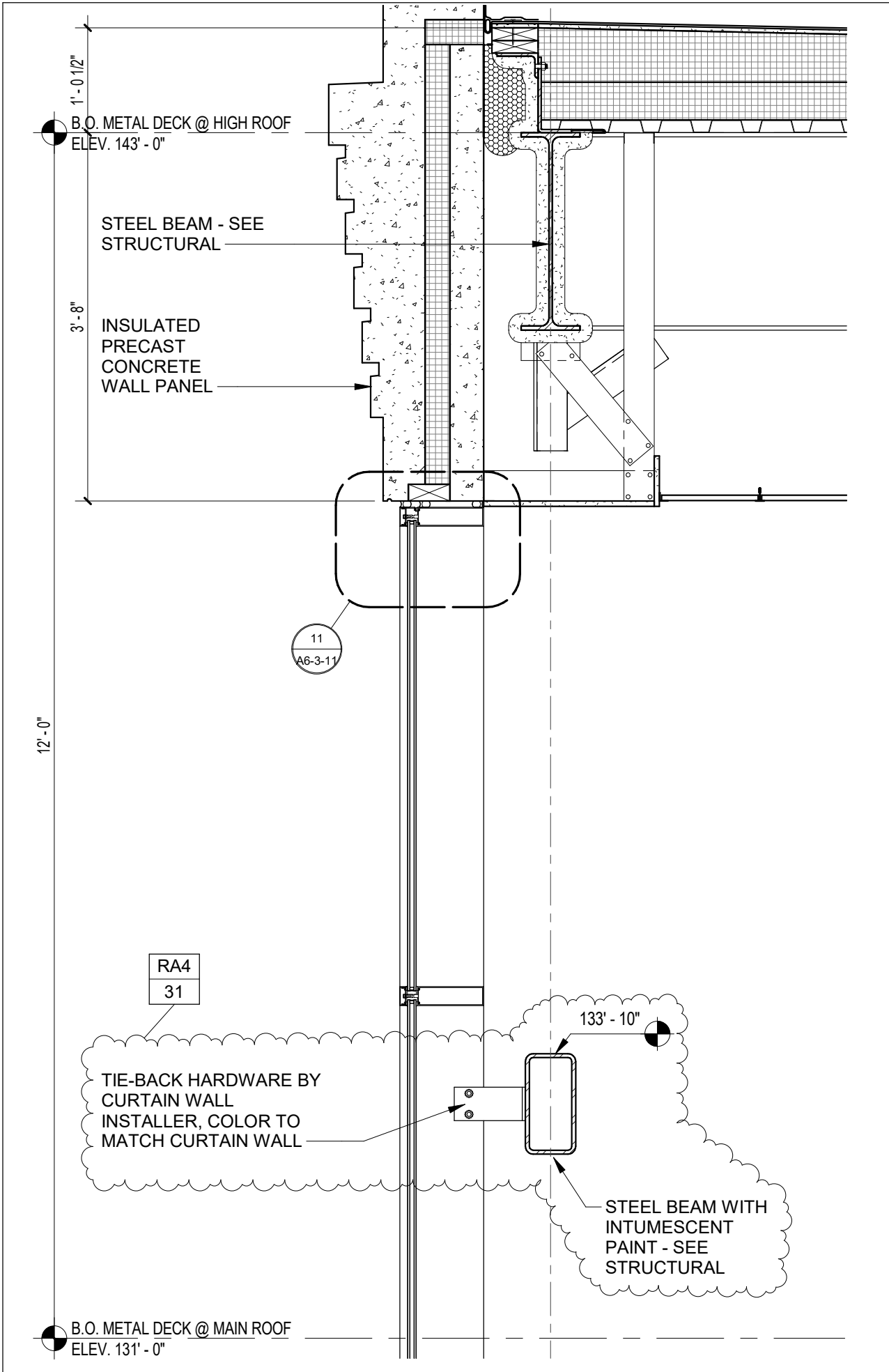
REF. DWG No.
1 / A3-2-5

DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

Scale: 3/4" = 1'-0"

Date: 08/09/2019



**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Roof Detail 13/A5-3-3

**Addendum
No. 4**

RA4-34

REF. DWG No.
13 / A5-3-3

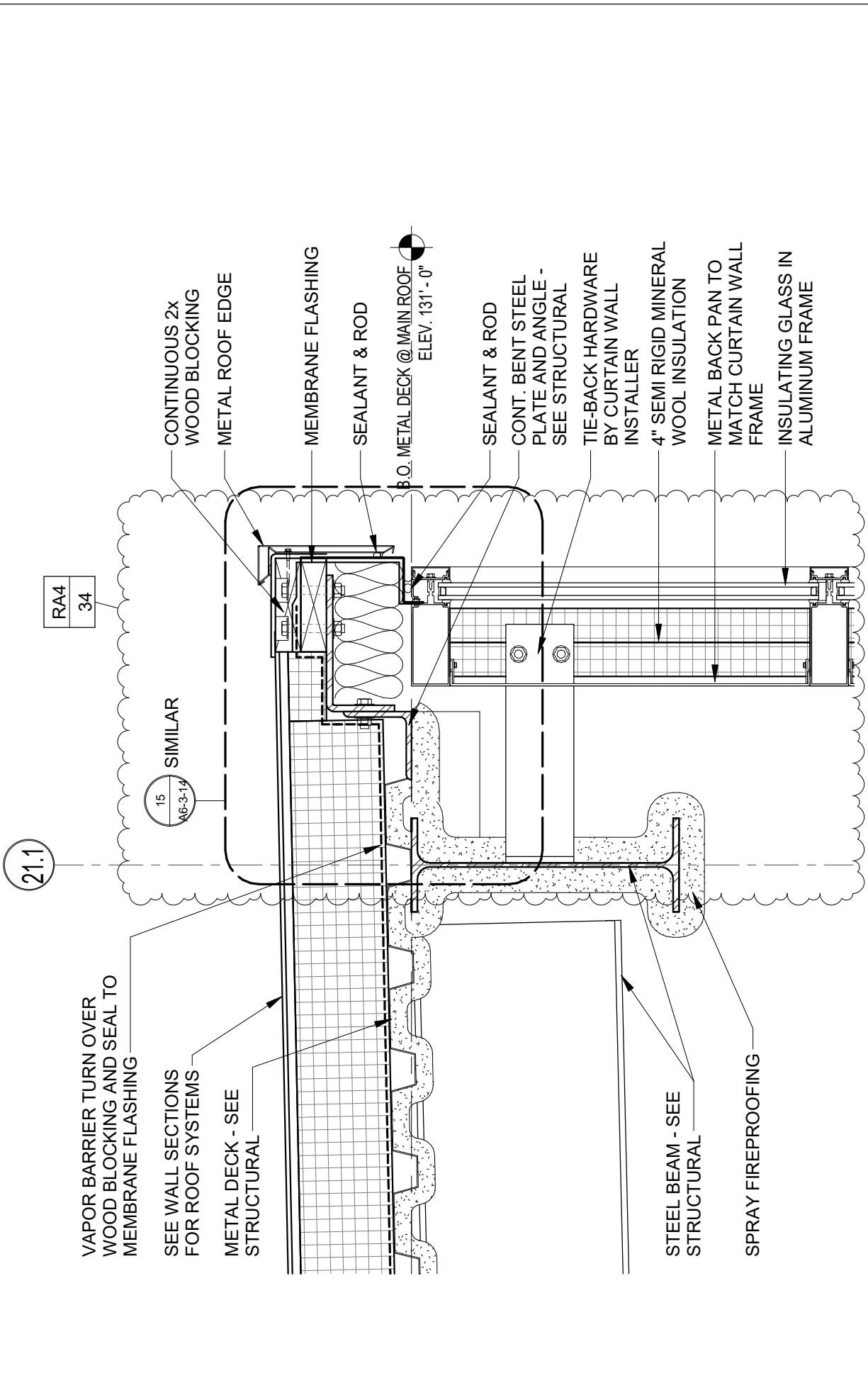
DCS Project No.

BI-RT-878 CM-R

OSCGR Project No.
900-0013

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

Date: 08/09/2019



**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Curtain Wall Detail 9/A6-3-14

**Addendum
No. 4**

RA4-36

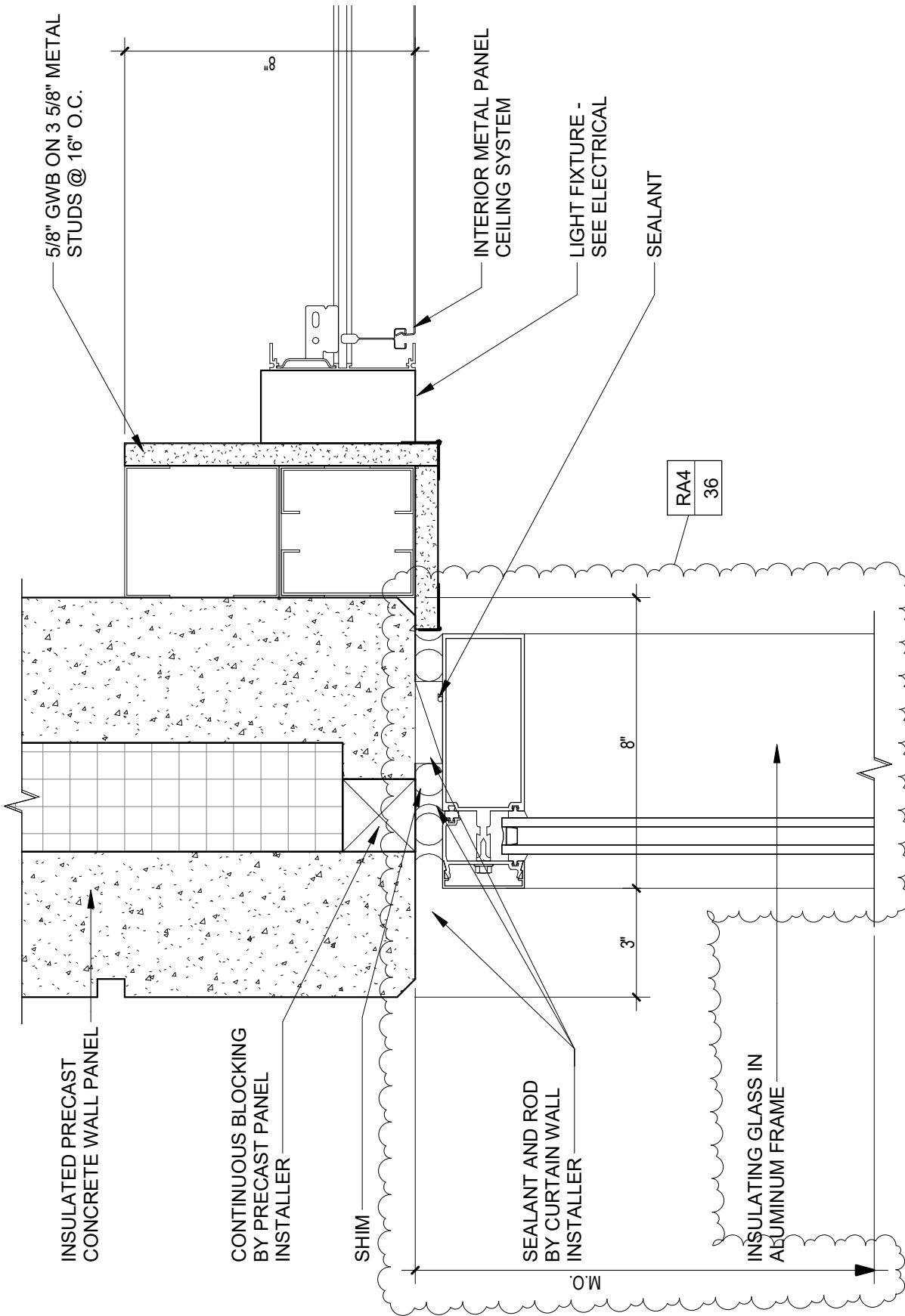
REF. DWG No.
9 / A6-3-14

DCS Project No.
BI-RT-878 CM-R

OSCGR Project No.
900-0013

Scale: 3" = 1'-0"

Date: 08/09/2019

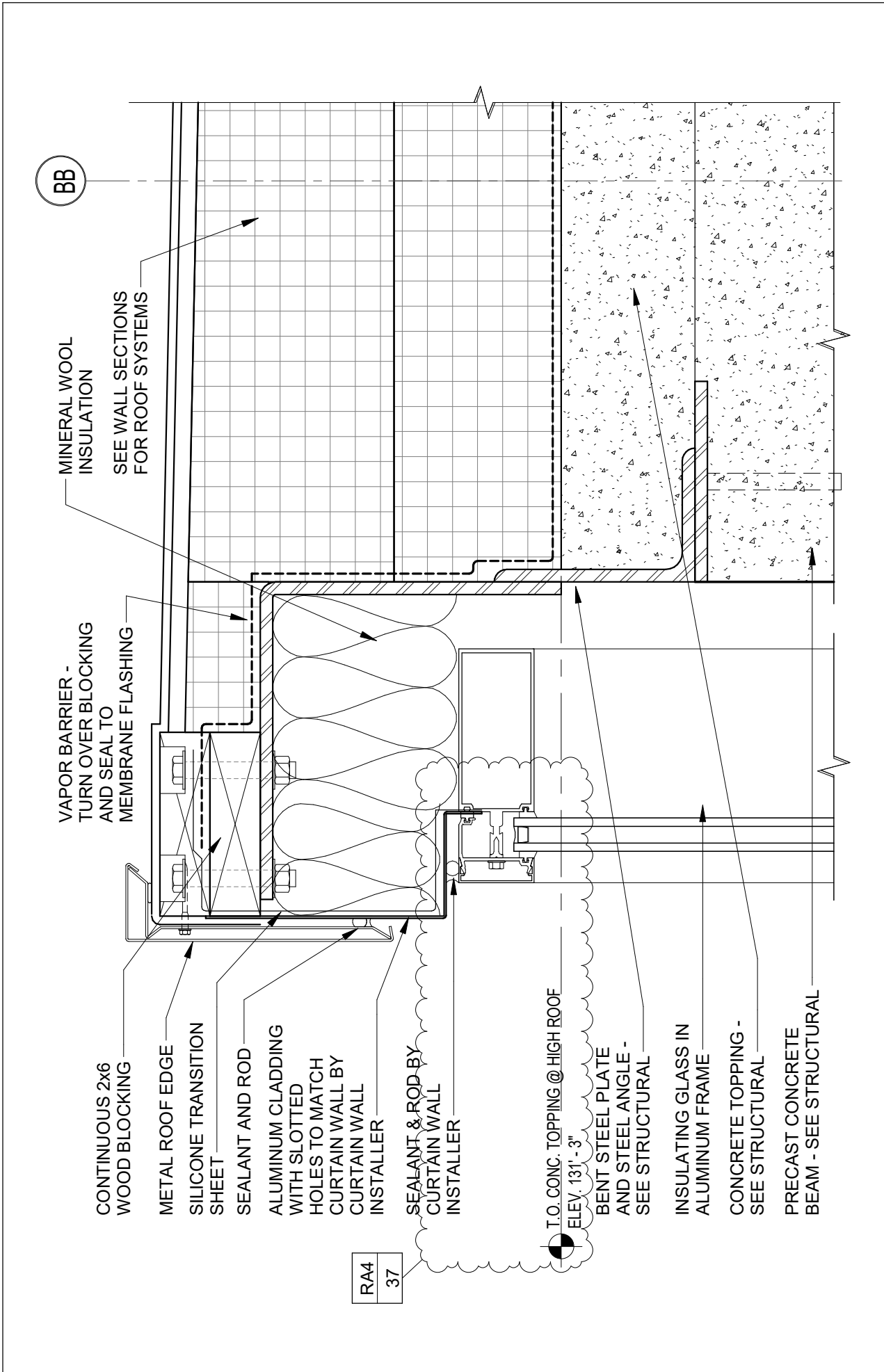


**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**
Revision to Curtain Wall Detail 14/A6-3-15

**Addendum
No. 4
RA4-37**

REF. DWG No.
14 / A6-3-15

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013
Scale: 3" = 1'-0"
Date: 08/09/2019



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revision to Curtain Wall Detail 11/A6-3-19

**Addendum
No. 4**

RA4-38

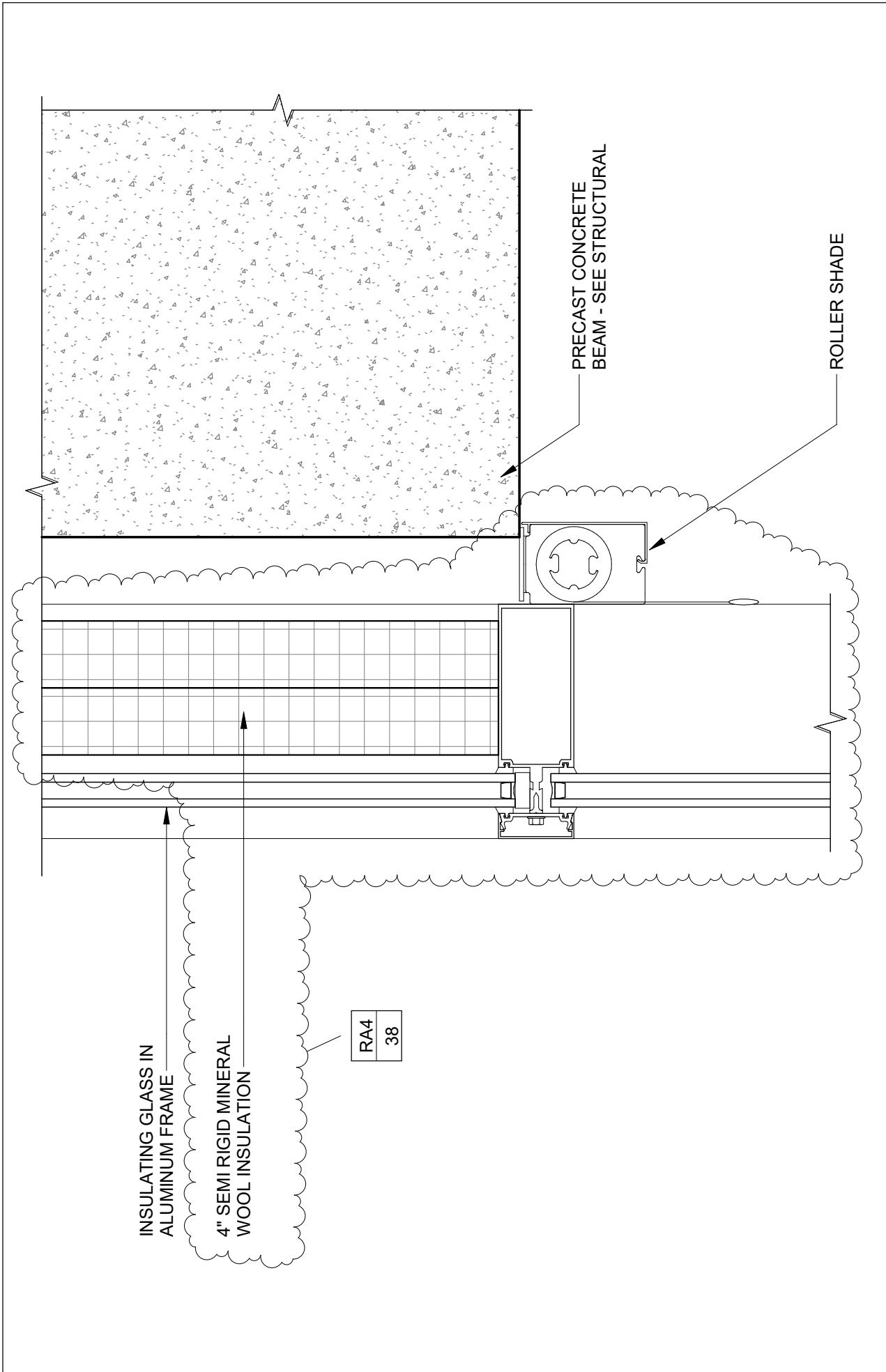
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11 / A6-3-19

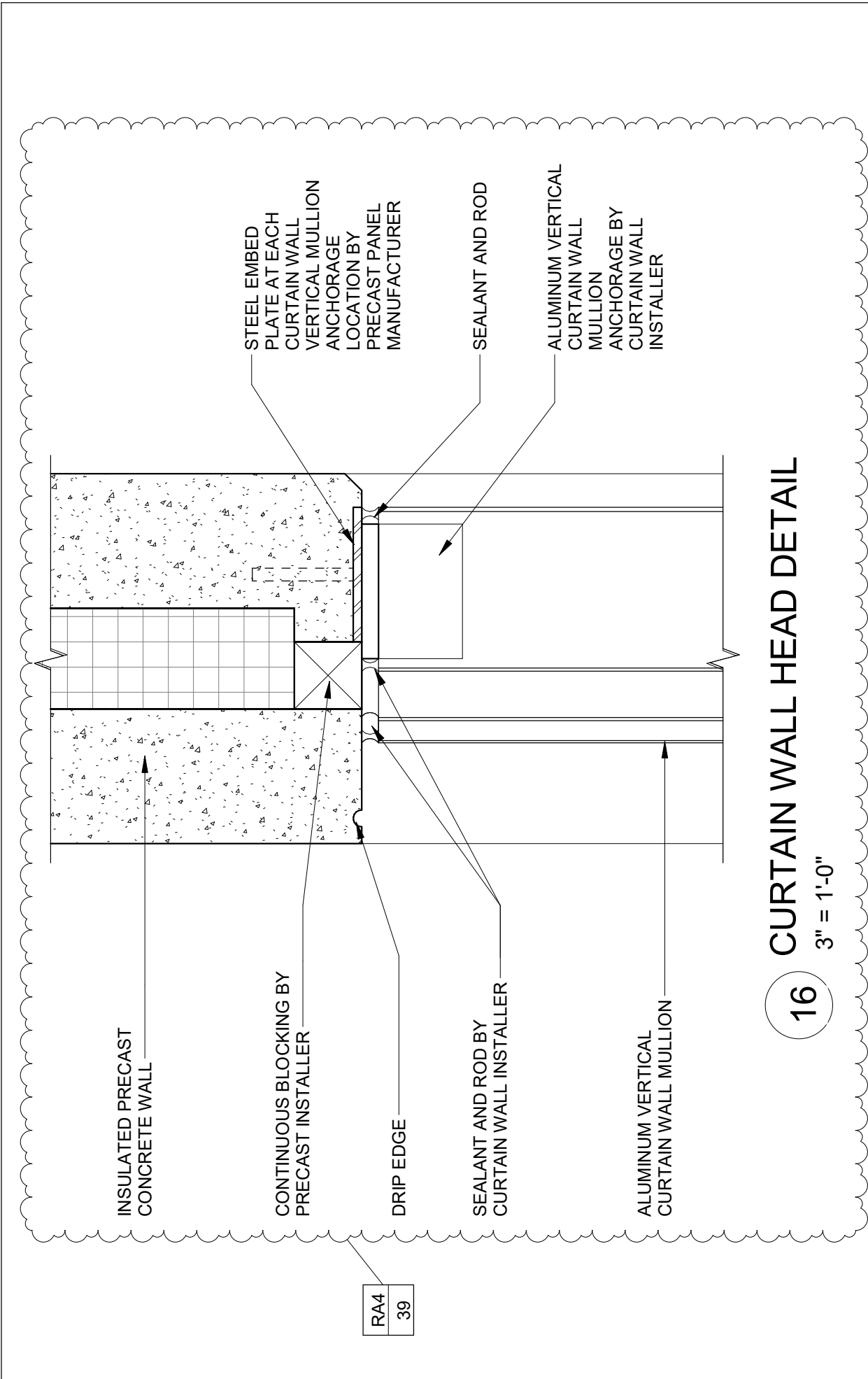
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BI-RT-878 CM-R

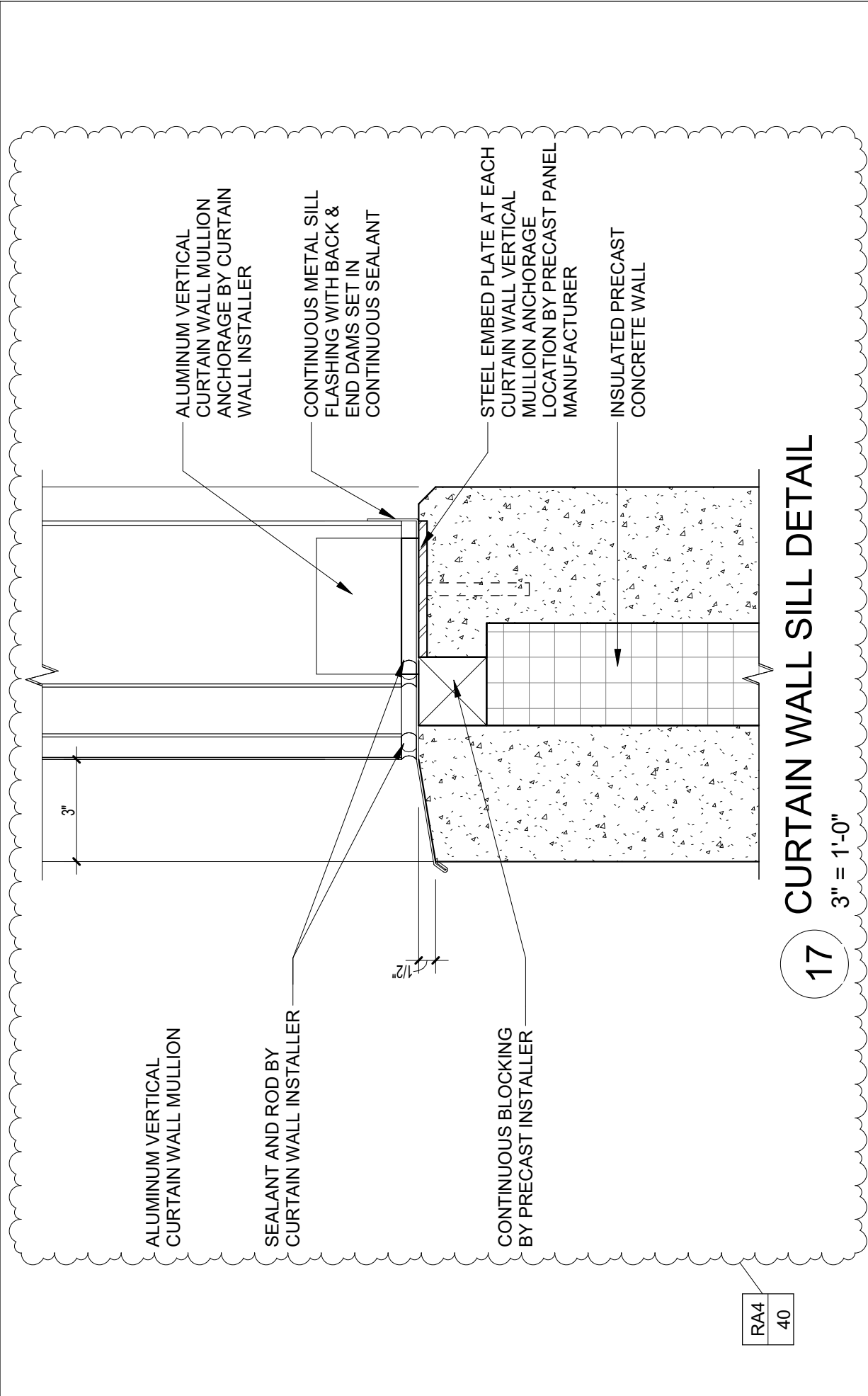
OSCGR Project No.
900-0013

Scale: 3" = 1'-0"

Date: 08/09/2019







17

CURTAIN WALL SILL DETAIL
3" = 1'-0"

RA4
40

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

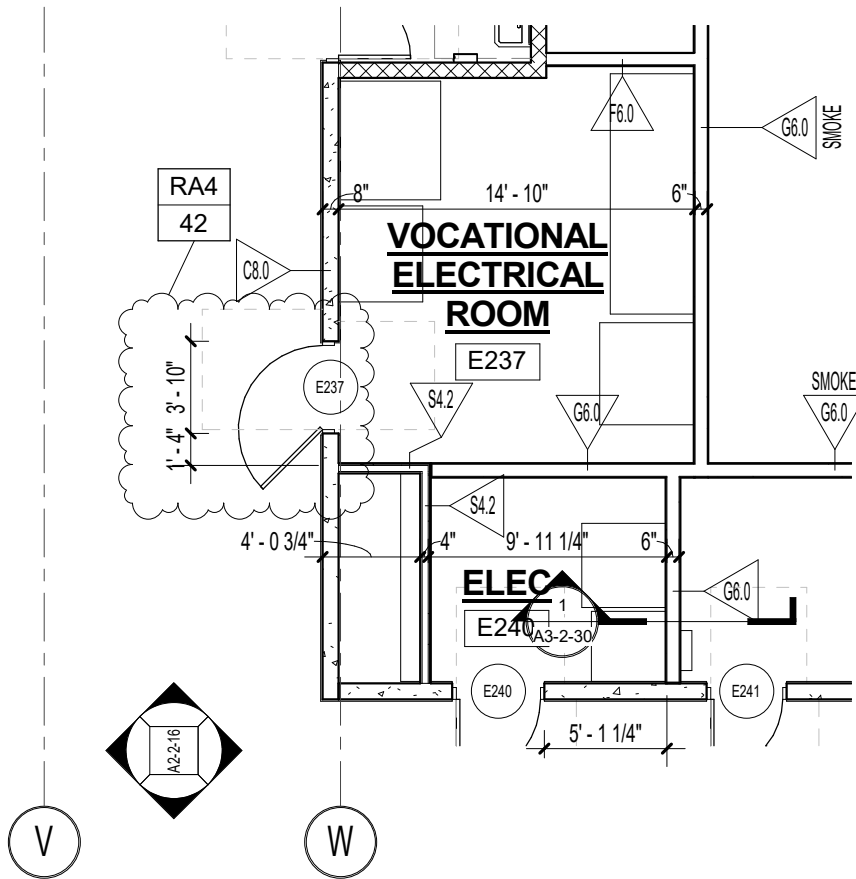
REVISIONS TO DOOR E237

**Addendum
No. 4**

RA4-42

REF. DWG No.
A1-1-2E

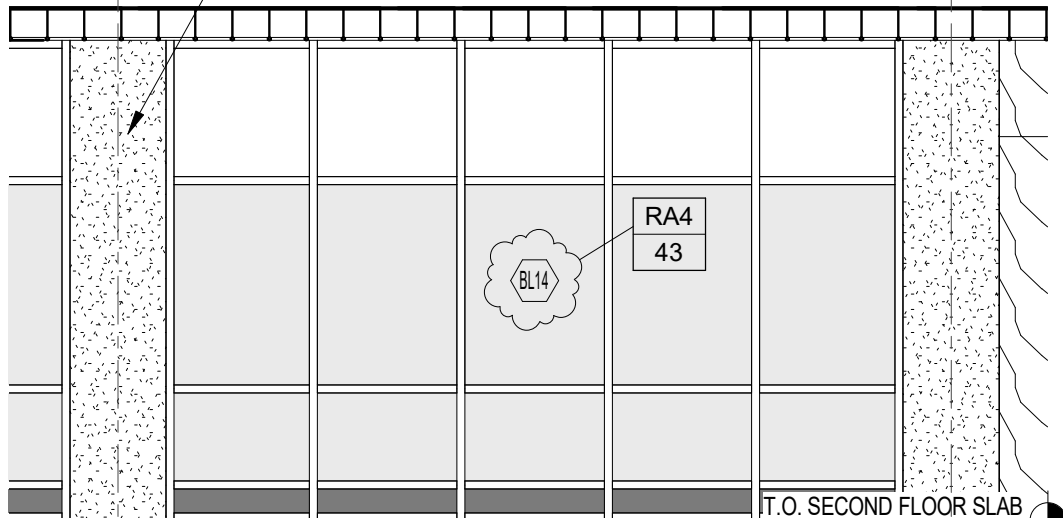
DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013
Scale: 1/8" = 1'-0"
Date: 08/09/2019



12.9

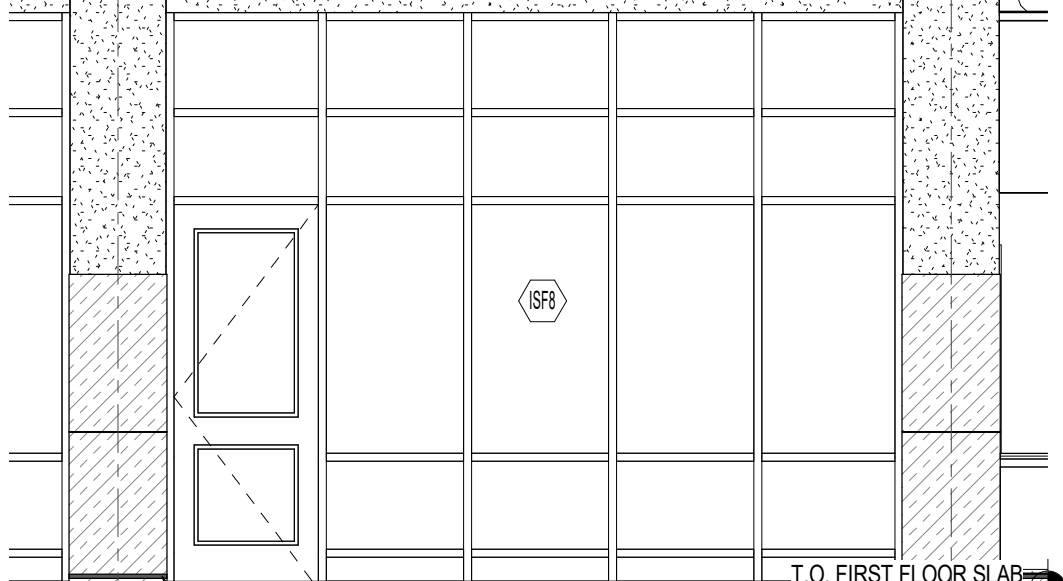
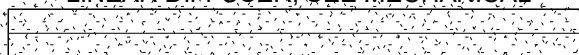
14

GYPSUM WALL BOARD, PAINTED
LEVEL 5 FINISH



T.O. SECOND FLOOR SLAB
ELEV. 117' - 0"

LINEAR DIFFUSER, SEE MECHANICAL



T.O. FIRST FLOOR SLAB
ELEV. 99' - 0"

PHOTOLUMINESCENT
GUIDANCE STRIP

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revisions to Interior Elevation - Cafeteria Area B - West

**Addendum
No. 4**

RA4-43

REF. DWG No.
3/A2-2-6

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013

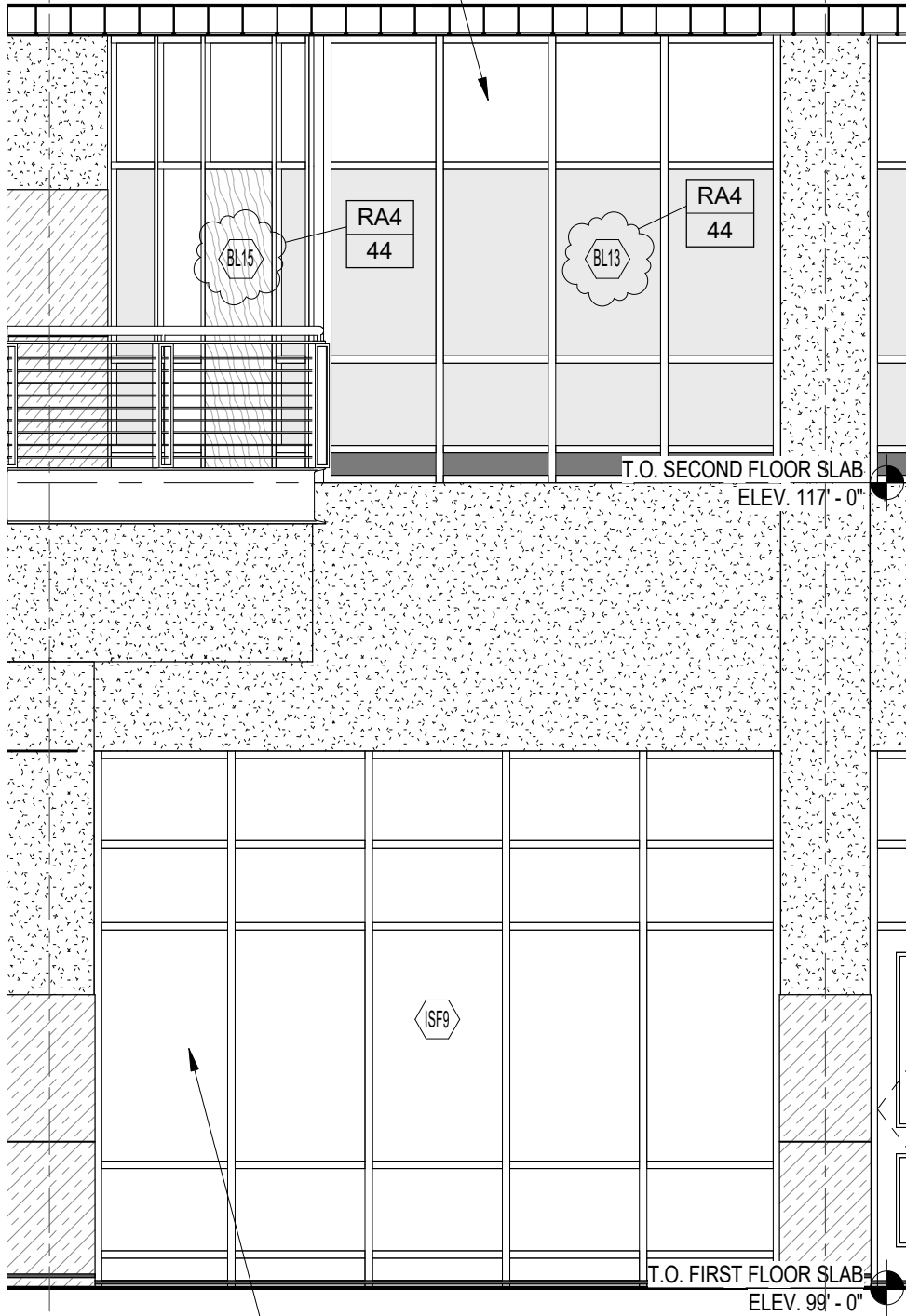
Scale: 1/4" = 1'-0"

Date: 08/09/2019

12.2

12.9

INTERIOR INSULATING GLASS IN ALUMINUM FRAME



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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revisions to Interior Elevation - Cafeteria Area B - West

**Addendum
No. 4**

RA4-44

REF. DWG No.
3/A2-2-6

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013
Scale: 1/4" = 1'-0"
Date: 08/09/2019

DRA

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860-644-8300

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Milford, CT 06461

**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revisions to Interior Elevation - Cafeteria Area B - West

**Addendum
No. 4**

RA4-45

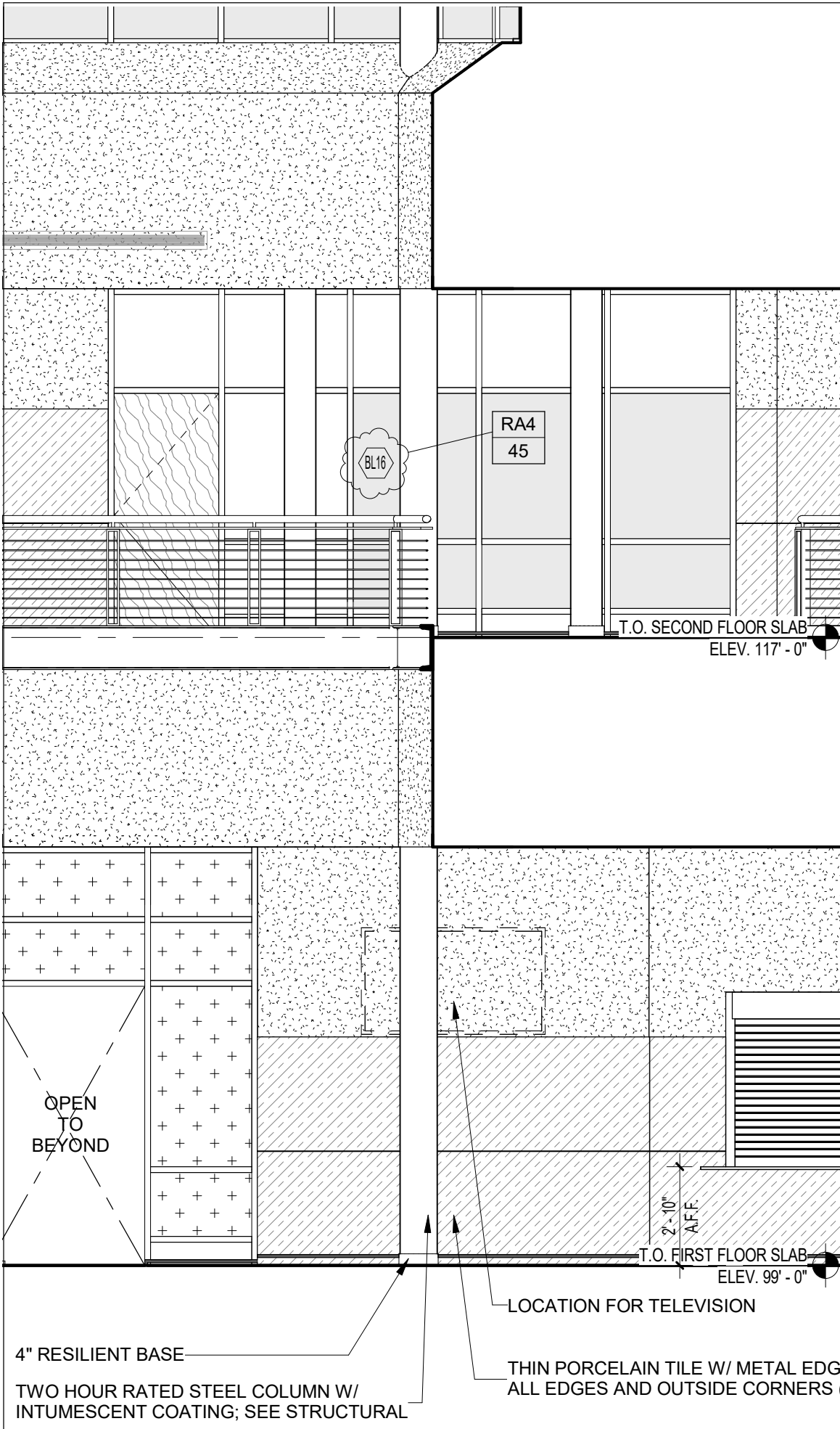
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DCS Project No.
BI-RT-878 CM-R

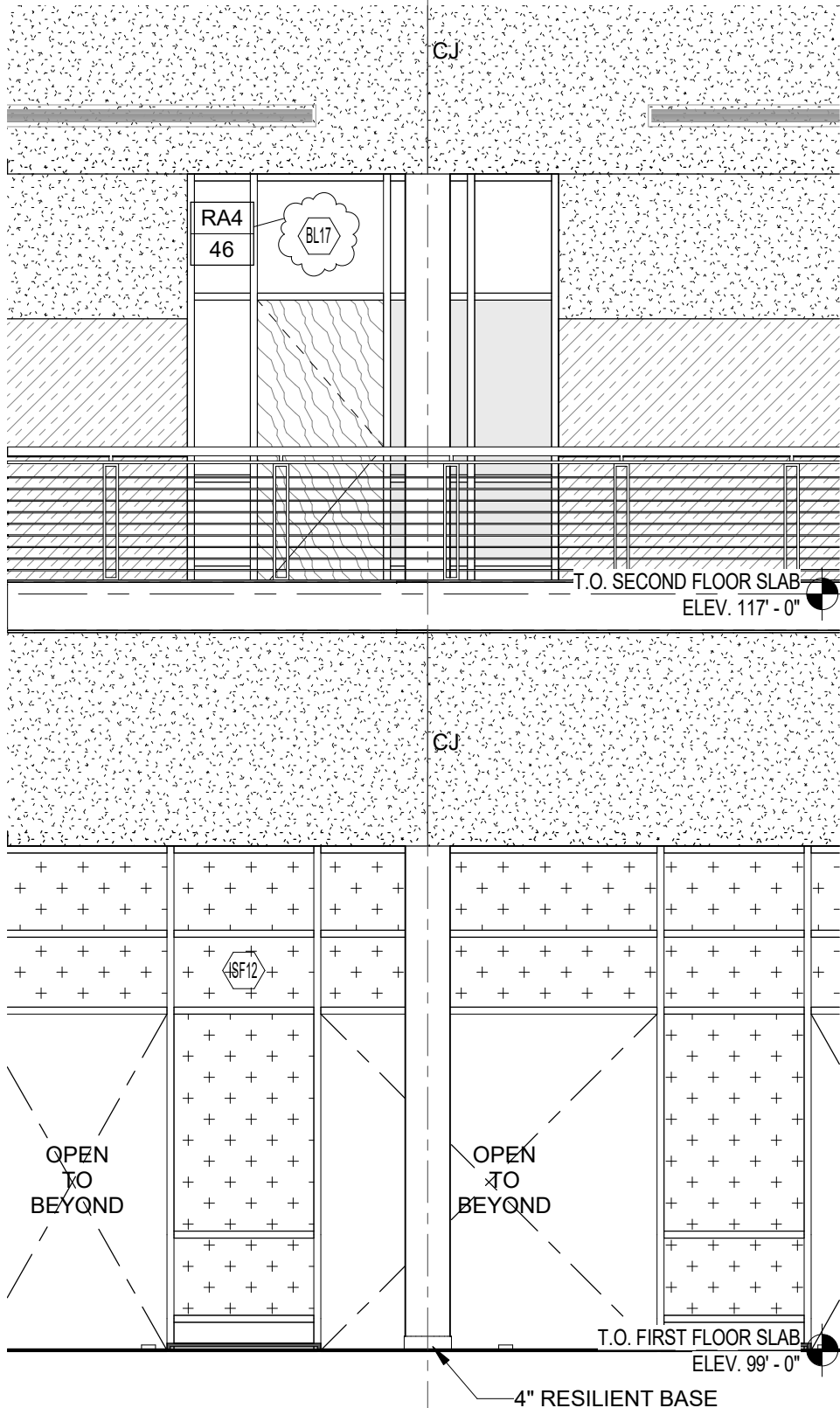
OSCGR Project No.
900-0013

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

Date: 08/09/2019



10.9



DRA

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revisions to Interior Elevation - Cafeteria Area B - West

**Addendum
No. 4**

RA4-46

REF. DWG No.
3/A2-2-6

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013

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

Date: 08/09/2019

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**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**

Revisions to Interior Elevation - Cafeteria Area B - North

**Addendum
No. 4**

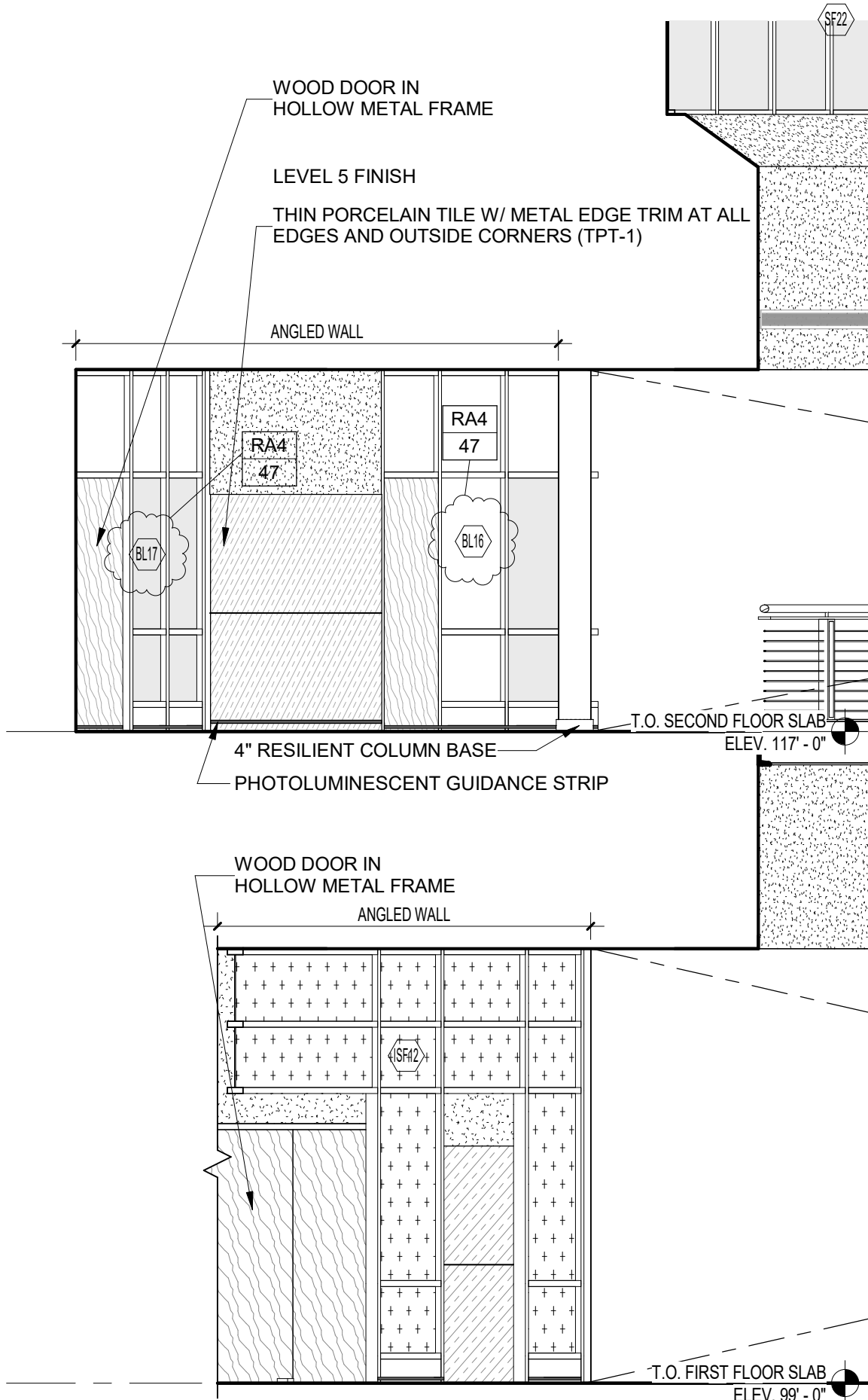
RA4-47

REF. DWG No.
3/A2-2-7

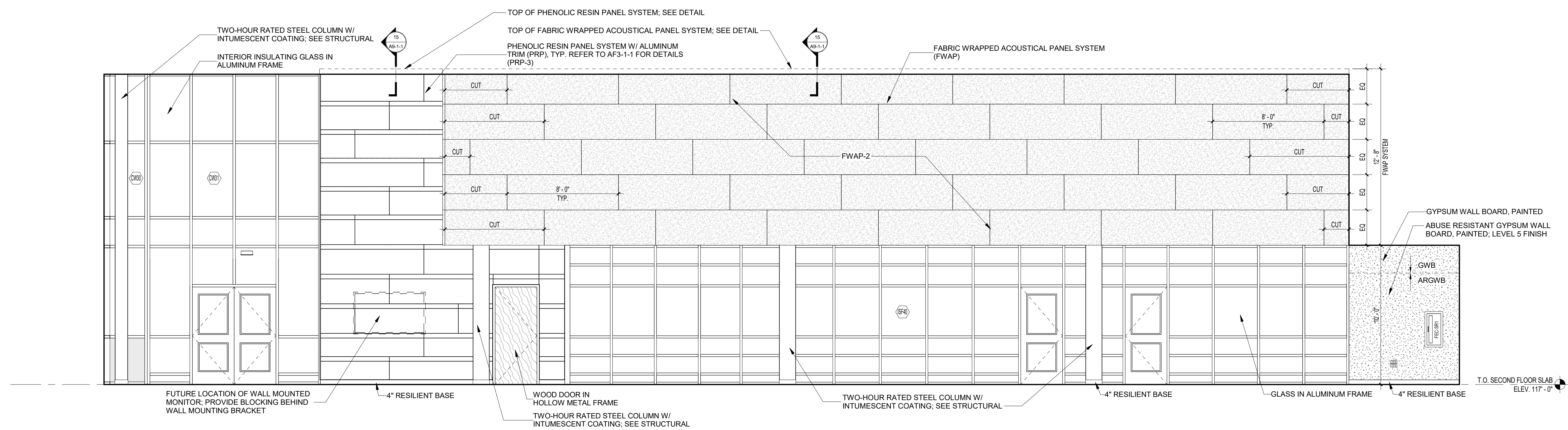
DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.
900-0013

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

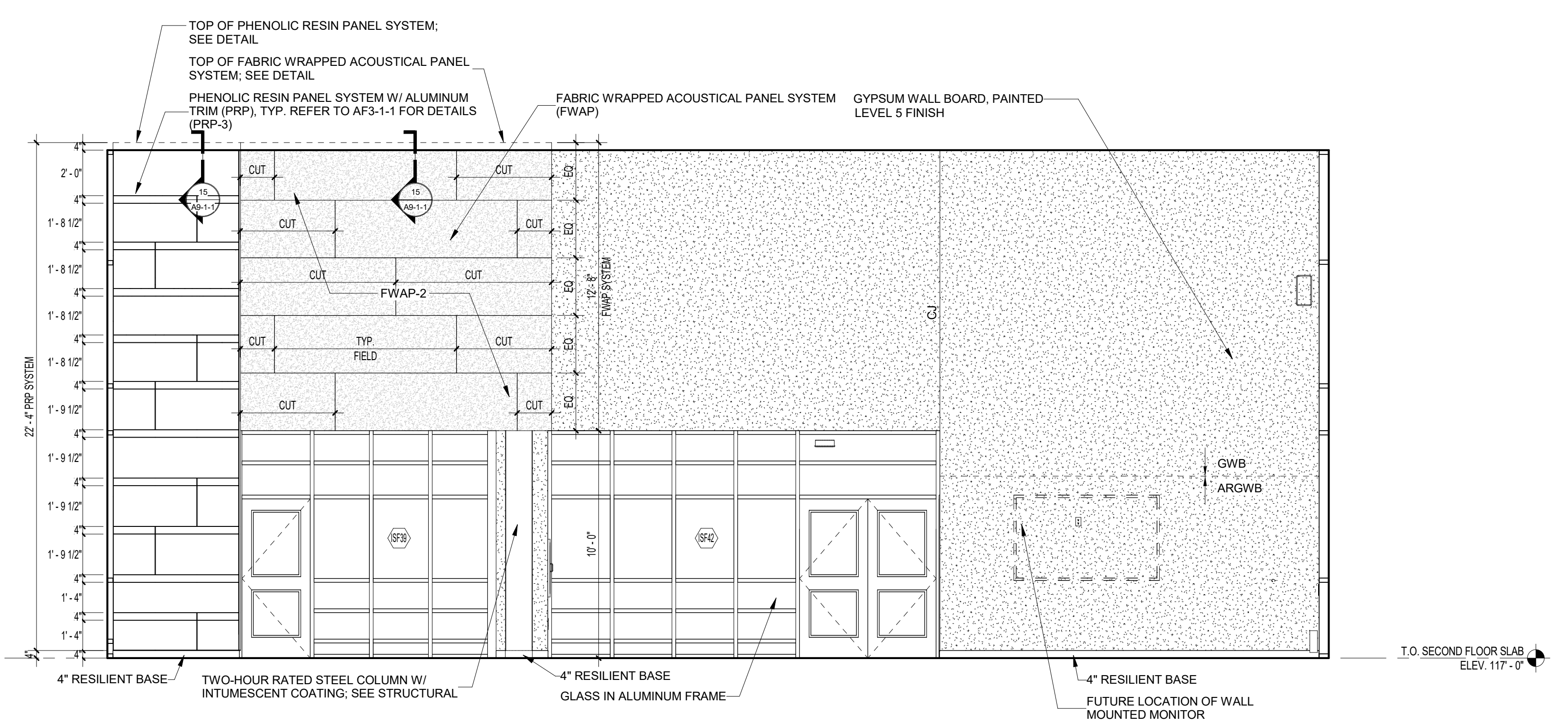
Date: 08/09/2019



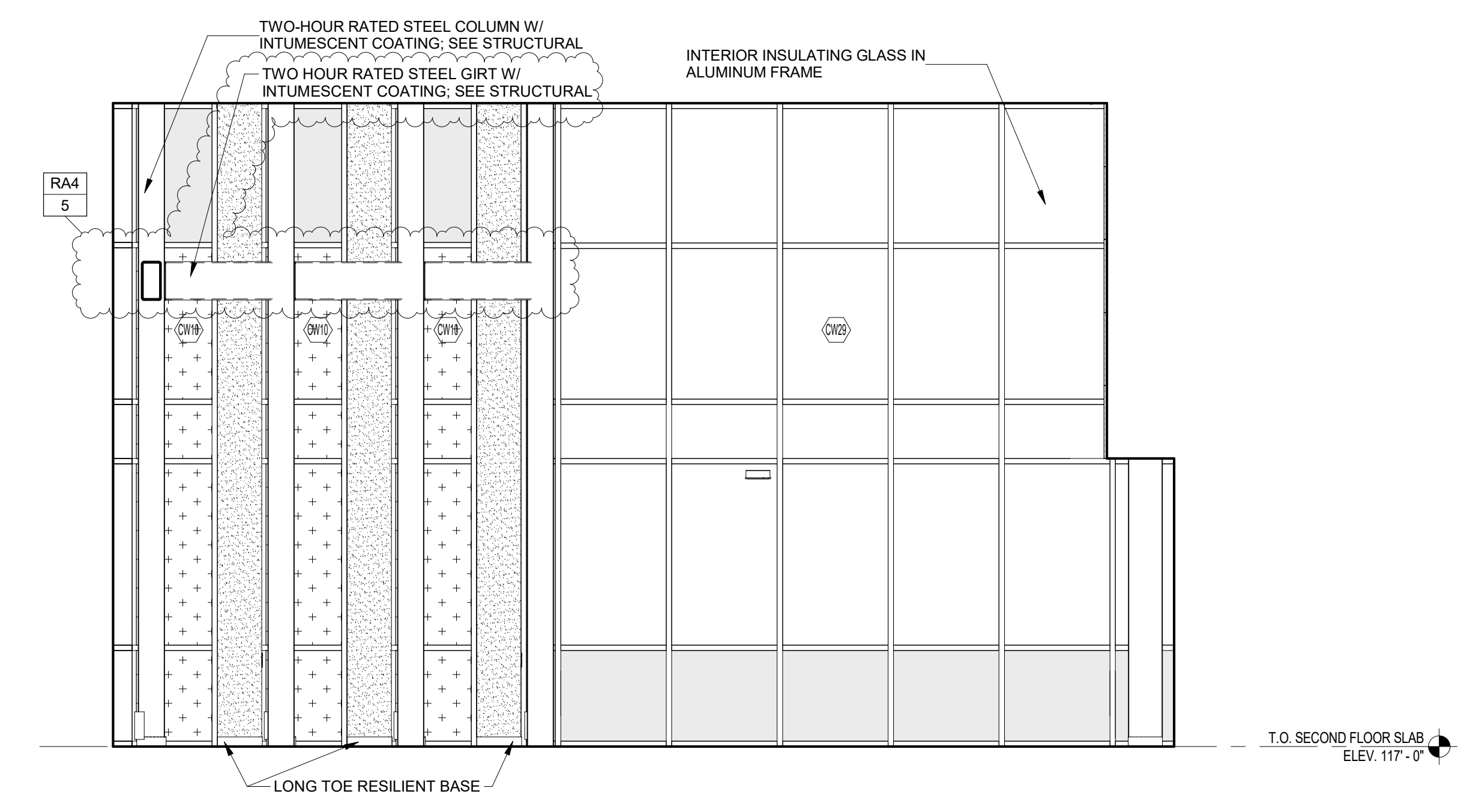
- GENERAL NOTES - INTERIOR ELEVATIONS:**
- SEE ARCHITECTURAL FINISHES DRAWINGS (AF) AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION AND EXTENT OF FINISH MATERIALS.
 - AT EXPOSED TO VIEW LOCATIONS IN THE CAFETERIA AND ASSOCIATED CORRIDORS, BALCONIES INCLUDING CLEARSTORY SOFFITS, SERVERY, COFFEE SHOP AND LEARNING COMMONS PROVIDE LEVEL 5 FINISH AT ALL GWB SURFACES.
AT EXPOSED TO VIEW LOCATION IN MULTIPURPOSE ROOM, ALL VOCATIONAL SPACES (INCLUDING THEORY ROOMS), KITCHEN, TOILETS, LOCKER ROOMS, FITNESS AREAS, CLASSROOMS, LABS, SUSPENSION, NURSE SUITE, HEALTH CLINIC SUITE, CONFERENCE ROOMS, OFFICES, RECEPTION AND WAITING AREAS AND RESTAURANT PROVIDE LEVEL 4 FINISH AT ALL GWB SURFACES (INCLUDING CEILING AND SOFFITS).
FOR ALL SPACES NOT LISTED ABOVE PROVIDE LEVEL 3 FINISH AT ALL GWB SURFACES.
 - THIN PORCELAIN TILE. FURNISH AND INSTALL METAL EDGE TRIM AT THE FOLLOWING LOCATIONS: OUTSIDE CORNERS, ABOVE FLOOR BASE AND TOP EDGE AT WAINSCOT CONDITIONS. EXPOSED CUT OR FACTORY EDGE IS NOT ACCEPTABLE.
 - CERAMIC/PORCELAIN TILE. PROVIDE AND INSTALL METAL CORNER TRIM AT ALL OUTSIDE CORNER LOCATIONS.
 - PROVIDE CORNER GUARDS AS INDICATED ON THE PLANS AND/OR INTERIOR ELEVATIONS.
 - SEE ELECTRICAL, HVAC, PLUMBING AND FIRE PROTECTION (MEP&FP) DRAWINGS FOR ALL DEVICES AND EQUIPMENT SPECIFIED FOR THE EXPOSED TO VIEW LOCATIONS. THE CONSTRUCTION MANAGER IS RESPONSIBLE FOR COORDINATION OF THESE ITEMS WITH THE WALL FINISH MATERIALS AND OTHER CONTRACTION ELEMENTS. NOTE THAT THE INTERIOR ELEVATIONS DO NOT INDICATE ALL REQUIRED MEP&FP DEVICES AND EQUIPMENT.



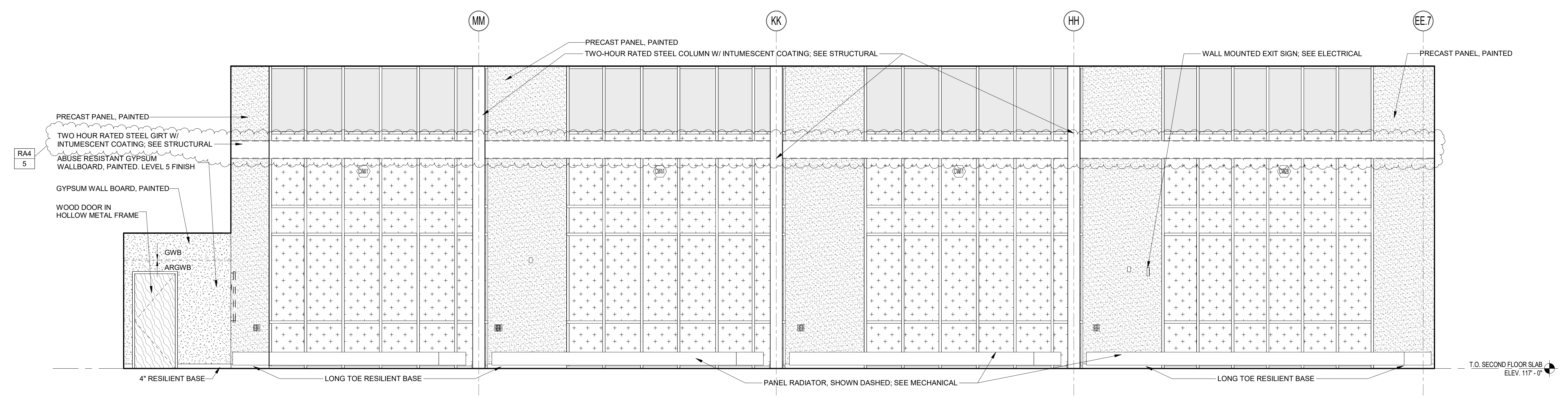
4 MEDIA CENTER - NORTH
1/4" = 1'-0"



3 MEDIA CENTER - EAST
1/4" = 1'-0"

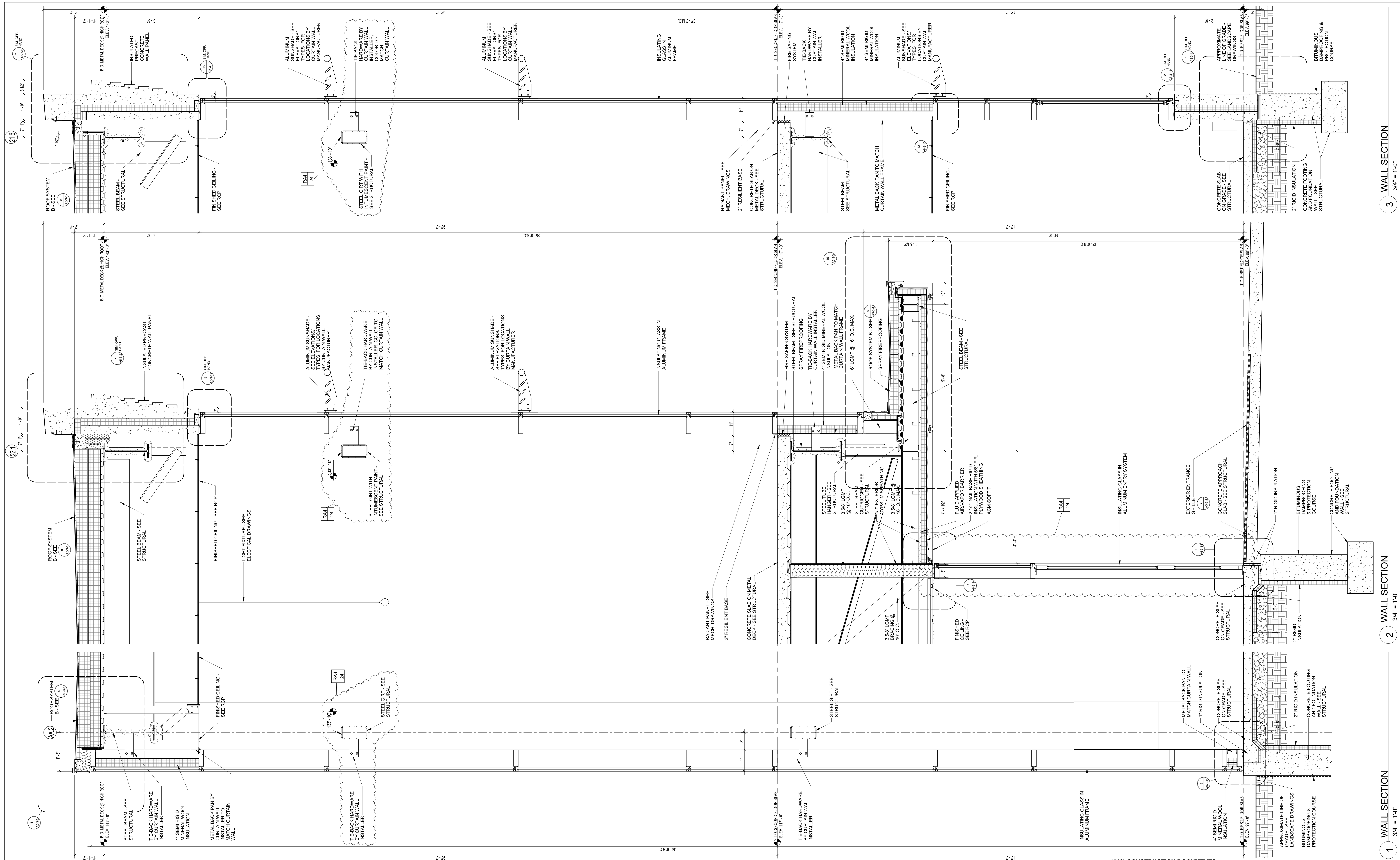


2 MEDIA CENTER - WEST
1/4" = 1'-0"



1 MEDIA CENTER - SOUTH
1/4" = 1'-0"

100% CONSTRUCTION DOCUMENTS				STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
drawing title		INTERIOR ELEVATIONS		drawing prepared by	
drawing title		INTERIOR ELEVATIONS		DRA ARCHITECTS	
drawing title		INTERIOR ELEVATIONS		220 Colburn Road, Shelton, CT 06484 South Windsor, CT 06074	
drawing title		INTERIOR ELEVATIONS		date	
drawing title		INTERIOR ELEVATIONS		05/24/2019	
drawing title		INTERIOR ELEVATIONS		scale	
drawing title		INTERIOR ELEVATIONS		As Indicated	
drawing title		INTERIOR ELEVATIONS		drawn by	
drawing title		INTERIOR ELEVATIONS		Author	
drawing title		INTERIOR ELEVATIONS		approved by	
drawing title		INTERIOR ELEVATIONS		Approver	
drawing title		INTERIOR ELEVATIONS		drawing no.	
drawing title		INTERIOR ELEVATIONS		A2-2-3	
drawing title		INTERIOR ELEVATIONS		project	
drawing title		INTERIOR ELEVATIONS		Renovations & Additions to Platt Technical High School	
drawing title		INTERIOR ELEVATIONS		600 Orange Avenue, Milford, CT 06461	
drawing title		INTERIOR ELEVATIONS		CAD no.	
drawing title		INTERIOR ELEVATIONS		DCS project no. BLRT-076 CM-R	
drawing title		INTERIOR ELEVATIONS		OSGCR project no. 900-0013	



GENERAL NOTES - SECTIONS:

1. REFER TO STRUCTURAL DRAWINGS FOR ALL MASONRY REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY.
2. REFER TO STRUCTURAL DRAWINGS FOR ALL CAST IN PLACE REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY.
3. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ALL PRECAST CONCRETE REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY.
4. MASONRY TIES NOT INDICATED FOR CLARITY. REFER TO SPECIFICATIONS.
5. PROVIDE FIRESAFING UL RATED ASSEMBLIES AT SECOND FLOOR PERIMETER, AND ALL PENETRATIONS AS NECESSARY TO MAINTAIN FLOOR SLAB FIRE RATING. PROVIDE FIRESAFING UL RATED ASSEMBLIES AT ROOF PERIMETER AND ALL PENETRATIONS AS NECESSARY TO MAINTAIN ROOF FIRE RATING. REFER TO SPECIFICATIONS.
6. PROVIDE CONTINUOUS VAPOR BARRIER UNDER ALL SLAB-ON-GRADE. TERMINATE VAPOR BARRIER AT ALL PERIMETER EXTERIOR WALLS AND PENETRATIONS AS NECESSARY TO CREATE CONTINUOUS BARRIER. REFER TO RADON MITIGATION DRAWINGS FOR ADDITIONAL INFORMATION.
7. PROVIDE ALL REQUIRED FLASHINGS AT EXTERIOR WALL MATERIAL TRANSITIONS AS NECESSARY TO MAINTAIN CONTINUOUS AIR AND VAPOR BARRIER SYSTEM.
8. PROVIDE CONTINUOUS VAPOR BARRIER BELOW ROOF INSULATION (OVER METAL AND CONCRETE DECK). TERMINATE: TRANSITION ROOF VAPOR BARRIER TO WALL AIR AND VAPOR BARRIER SYSTEM AS NECESSARY TO MAINTAIN CONTINUOUS BARRIER AT THE BUILDING ENVELOPE.
9. FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS AND COMPONENTS ARE NOT SHOWN FOR CLARITY. REFER TO MEP&F DRAWINGS FOR INFORMATION.
10. SOME FINISH MATERIALS ARE NOT SHOWN FOR CLARITY. REFER TO FINISH SCHEDULE, WALL FINISH DRAWINGS, FLOOR FINISH DRAWINGS AND/OR INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION. REFER TO REFLECTIVE CEILING PLANS FOR THE FINISH CEILING HEIGHT INFORMATION.
11. SPRAY FIREPROOFING AND/OR INTUMESCENT COATING ON ITEMS BY ONE AND NOT SHOWN FOR CLARITY. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL SPRAY FIREPROOFING AND INTUMESCENT COATING EXTENTS REQUIREMENTS.
12. PAINT ALL STRUCTURAL STEEL AND METAL FABRICATIONS COMPONENTS EXPOSED TO VIEW INCLUDING BUT NOT LIMITED TO FIREPROOFED SURFACES, UNLESS NOTED OTHERWISE.
13. SEE STRUCTURAL DRAWINGS FOR CONCRETE FOOTING ELEVATIONS.
14. METAL ROOF EDGE HEIGHT IS 8" TALL.
15. STEEL BEAMS, GIRTS, JOISTS, TRUSSES THAT FRAME INTO STEEL COLUMNS ARE TO BE FIREPROOFED. IF EXPOSED TO VIEW, PAINT WITH INTUMESCENT PAINT. IN CONCEALED, PROVIDE SPRAY FIREPROOFING.
16. SEE PROJECT MANUAL FOR UL DESIGN REQUIREMENTS OF FIRE SAFING AND FIRE RESISTIVE JOINTS.

100% CONSTRUCTION DOCUMENTS

drawing title WALL SECTIONS		
drawing no.		
revisions		
mark	date	description
RA4	08/09/2019	Addendum No. 4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
DRA ARCHITECTS
135 Miller Road, Suite 200
South Windsor, CT 06074

project
Renovations & Additions to Platt Technical High School
600 Orange Avenue, Milford, CT 06461

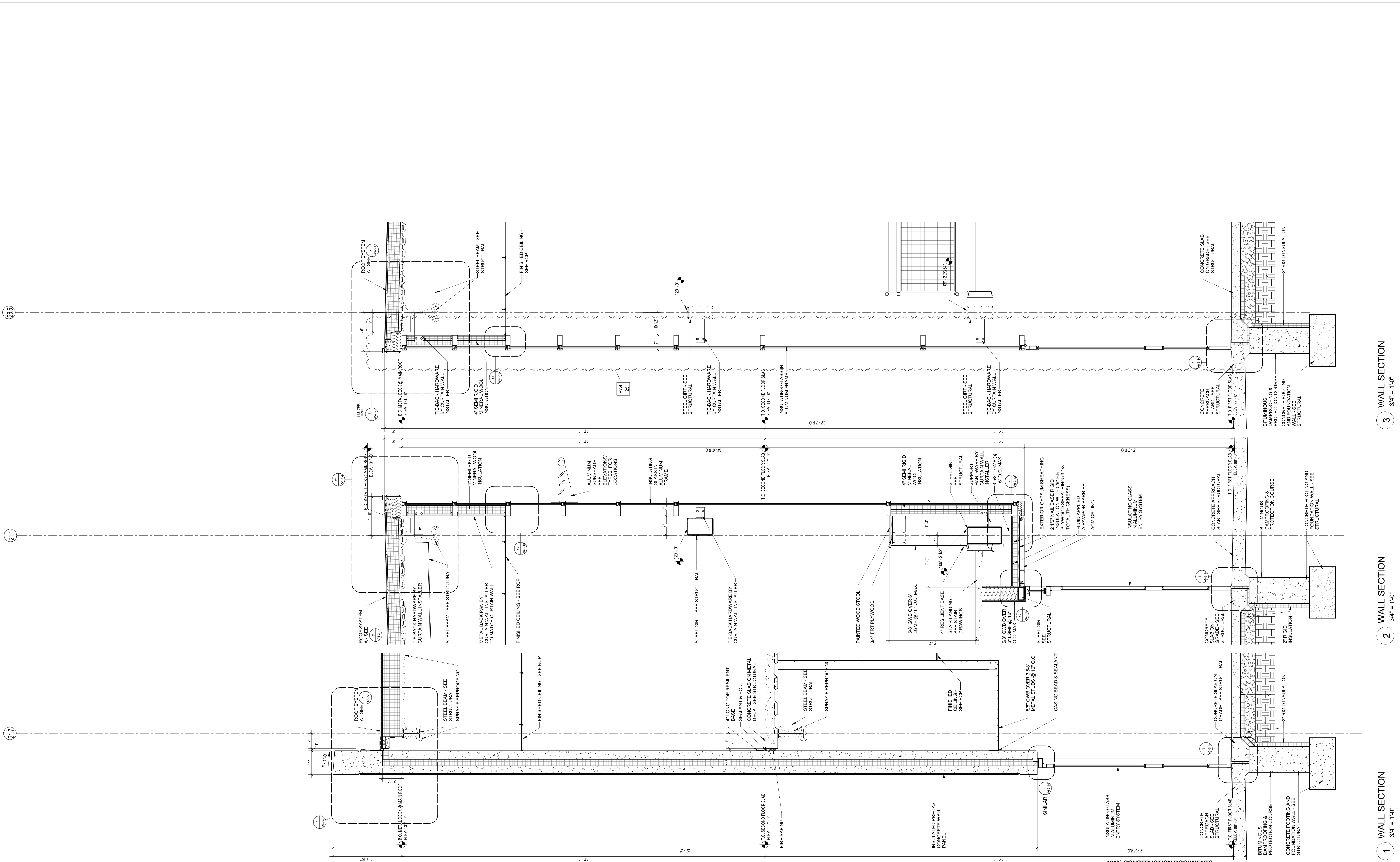
CAD no. DCS project no. BIRT-476 C.M.R. OSGCR project no. 900-0013

date 05/24/2019
scale As Indicated
drawn by Author
approved by Approver
drawing no. **A3-2-10**

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

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

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



GENERAL NOTES - SECTIONS:

1. REFER TO STRUCTURAL DRAWINGS FOR ALL MASONRY REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY
2. REFER TO STRUCTURAL DRAWINGS FOR ALL CAST IN PLACE REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY
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5. PROVIDE FIRE-RATED UL RATED ASSEMBLIES AT SECOND FLOOR PERIMETER, AND ALL PENETRATIONS AS NECESSARY TO MAINTAIN FLOOR SLAB FIRE RATING. PROVIDE FIRE-RATED UL RATED ASSEMBLIES AT ROOF PERIMETER AND ALL PENETRATIONS AS NECESSARY TO MAINTAIN ROOF FIRE RATING. REFER TO SPECIFICATIONS.
6. PROVIDE CONTINUOUS VAPOR BARRIER UNDER ALL SLAB-ON-GRADE. TERMINATE VAPOR BARRIER AT ALL PERIMETER EXTERIOR WALLS AND PENETRATIONS AS NECESSARY TO CREATE CONTINUOUS BARRIER. REFER TO RADON MITIGATION DRAWINGS FOR ADDITIONAL INFORMATION.
7. PROVIDE ALL REQUIRED FLASHINGS AT EXTERIOR WALL MATERIAL TRANSITIONS AS NECESSARY TO MAINTAIN CONTINUOUS AIR AND VAPOR BARRIER SYSTEM
8. PROVIDE CONTINUOUS VAPOR BARRIER BELOW ROOF INSULATION OVER METAL AND CONCRETE DECK. TERMINATE TRANSITION ROOF VAPOR BARRIER TO WALL AIR AND VAPOR BARRIER SYSTEM AS NECESSARY TO MAINTAIN CONTINUOUS BARRIER AT THE BUILDING ENVELOPE.
9. FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS AND COMPONENTS ARE NOT SHOWN FOR CLARITY. REFER TO MEP&F DRAWINGS FOR INFORMATION.
10. SOME FINISH MATERIALS ARE NOT SHOWN FOR CLARITY. REFER TO FINISH SCHEDULE, WALL FINISH DRAWINGS, FLOOR FINISH DRAWINGS AND/OR INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION. REFER TO REFLECTIVE CEILING PLANS FOR THE FINISH CEILING HEIGHT INFORMATION.
11. SPRAY FIREPROOFING AND/OR INTUMESCENT COATING ON ITEMS BEYOND NOT SHOWN FOR CLARITY. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL SPRAY FIREPROOFING AND INTUMESCENT COATING EXTENTS REQUIREMENTS.
12. PAINT ALL STRUCTURAL STEEL AND METAL FABRICATIONS COMPONENTS EXPOSED TO VIEW INCLUDING BUT NOT LIMITED TO FIREPROOFED SURFACES, UNLESS NOTED OTHERWISE.
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16. SEE PROJECT MANUAL FOR UL DESIGN REQUIREMENTS OF FIRE SAFING AND FIRE RESISTIVE JOINTS.

100% CONSTRUCTION DOCUMENTS

drawing title	
WALL SECTIONS	
REVISIONS	
mark	description
RA4	08/09/2019 Addendum No. 4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
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project
Renovations & Additions to Platt Technical High School
600 Orange Avenue, Milford, CT 06461

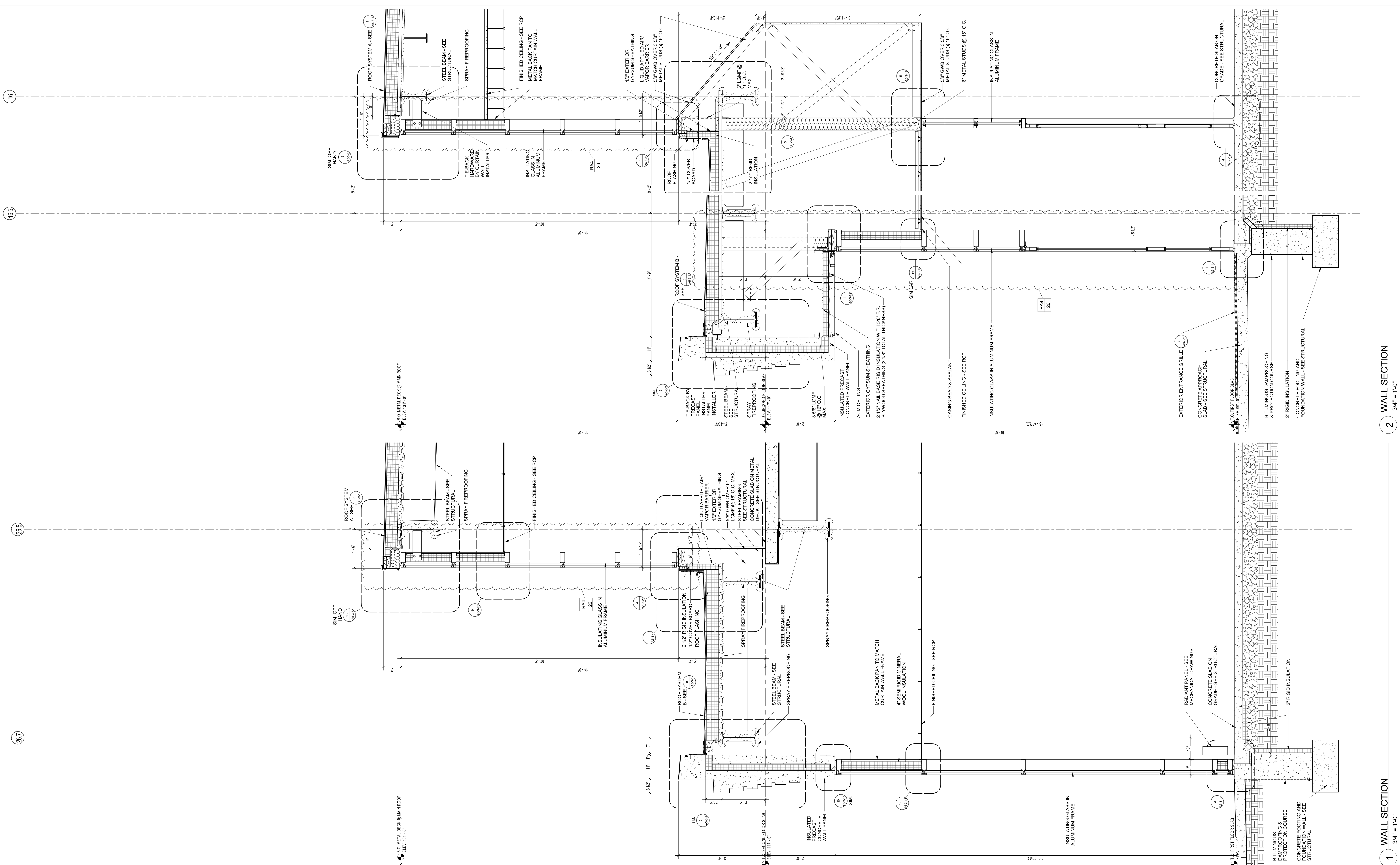
CAD no. DCS project no. OSGCR project no.
B4RT-076 CM-R 900-0013

date 05/24/2019
scale As Indicated
drawn by Author
approved by Approver
drawing no. **A3-2-11**

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

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

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

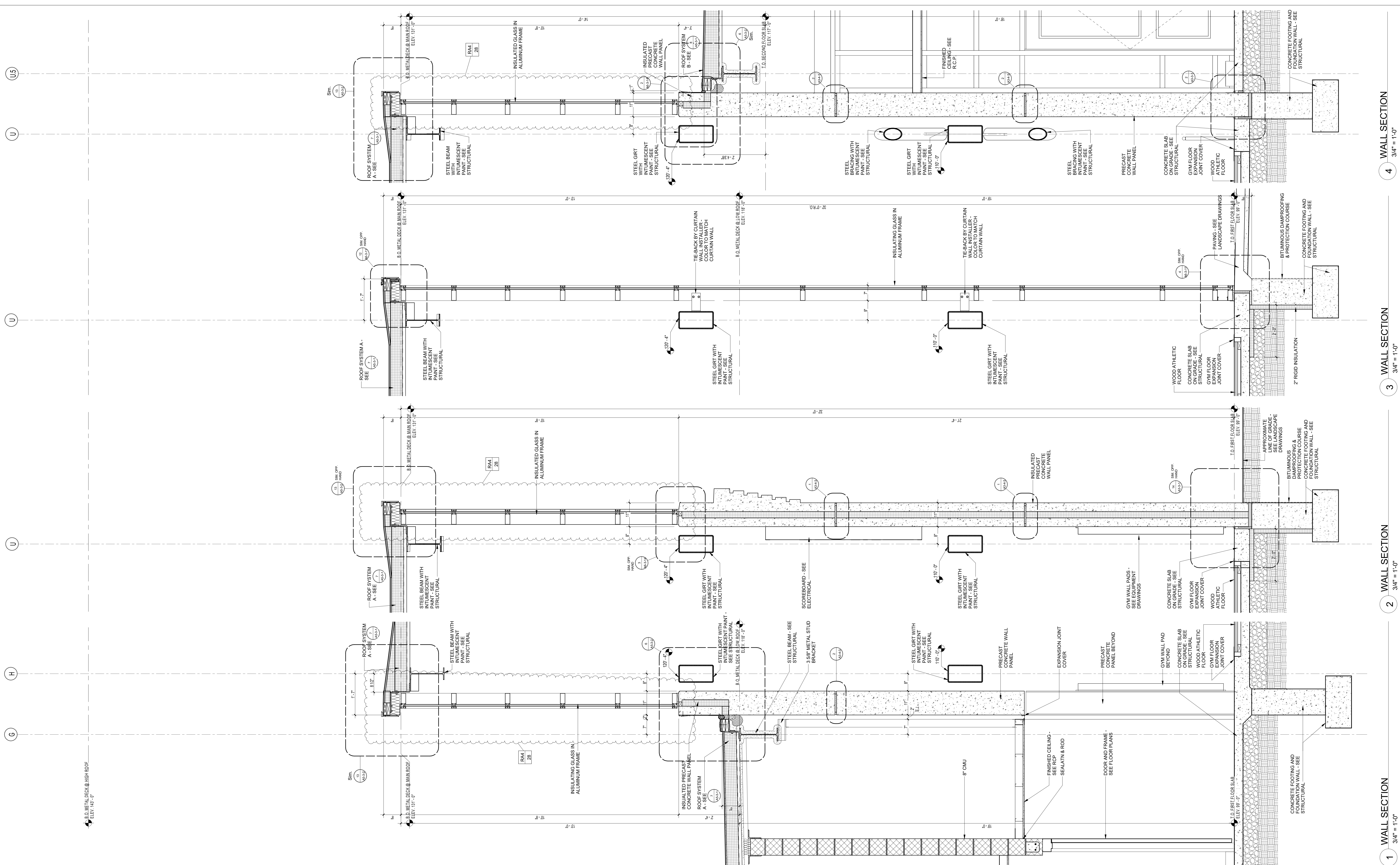


- GENERAL NOTES - SECTIONS:**
- REFER TO STRUCTURAL DRAWINGS FOR ALL MASONRY REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY
 - REFER TO STRUCTURAL DRAWINGS FOR ALL CAST-IN-PLACE REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY
 - REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ALL PRECAST CONCRETE REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY
 - MASONRY TIES NOT INDICATED FOR CLARITY. REFER TO SPECIFICATIONS.
 - PROVIDE FIRESAFING UL RATED ASSEMBLIES AT SECOND FLOOR PERIMETER, AND ALL PENETRATIONS AS NECESSARY TO MAINTAIN FLOOR SLAB FIRE RATING. PROVIDE FIRESAFING UL RATED ASSEMBLIES AT ROOF PERIMETER AND ALL PENETRATIONS AS NECESSARY TO MAINTAIN ROOF FIRE RATING. REFER TO SPECIFICATIONS.
 - PROVIDE CONTINUOUS VAPOR BARRIER UNDER ALL SLAB-ON-GRADE. TERMINATE VAPOR BARRIER AT ALL PERIMETER EXTERIOR WALLS AND PENETRATIONS AS NECESSARY TO CREATE CONTINUOUS BARRIER. REFER TO RADON MITIGATION DRAWINGS FOR ADDITIONAL INFORMATION.
 - PROVIDE ALL REQUIRED FLASHINGS AT EXTERIOR WALL MATERIAL TRANSITIONS AS NECESSARY TO MAINTAIN CONTINUOUS AIR AND VAPOR BARRIER SYSTEM.
 - PROVIDE CONTINUOUS VAPOR BARRIER BELOW ROOF INSULATION OVER METAL AND CONCRETE DECK. TERMINATE TRANSITION ROOF VAPOR BARRIER TO WALL AIR AND VAPOR BARRIER SYSTEM AS NECESSARY TO MAINTAIN CONTINUOUS BARRIER AT THE BUILDING ENVELOPE.
 - FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS AND COMPONENTS ARE NOT SHOWN FOR CLARITY. REFER TO MEP&F DRAWINGS FOR INFORMATION.
 - SOME FINISH MATERIALS ARE NOT SHOWN FOR CLARITY. REFER TO FINISH SCHEDULE, WALL FINISH DRAWINGS, FLOOR FINISH DRAWINGS AND/OR INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION. REFER TO REFLECTIVE CEILING PLANS FOR THE FINISH CEILING HEIGHT INFORMATION.
 - SPRAY FIREPROOFING AND/OR INTUMESCENT COATING ON ITEMS BEYOND NOT SHOWN FOR CLARITY. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL SPRAY FIREPROOFING AND INTUMESCENT COATING EXTENTS REQUIREMENTS.
 - PAINT ALL STRUCTURAL STEEL AND METAL FABRICATIONS COMPONENTS EXPOSED TO VIEW INCLUDING BUT NOT LIMITED TO FIREPROOFED SURFACES, UNLESS NOTED OTHERWISE.
 - SEE STRUCTURAL DRAWINGS FOR CONCRETE FOOTING ELEVATIONS.
 - METAL ROOF EDGE HEIGHT IS 8" TALL.
 - STEEL BEAMS, GIRTS, JOISTS, TRUSSES THAT FRAME INTO STEEL COLUMNS ARE TO BE FIREPROOFED. IF EXPOSED TO VIEW, PAINT WITH INTUMESCENT PAINT. IN CONCEALED, PROVIDE SPRAY FIREPROOFING.
 - SEE PROJECT MANUAL FOR UL DESIGN REQUIREMENTS OF FIRE SAFING AND FIRE RESISTIVE JOINTS.

100% CONSTRUCTION DOCUMENTS		
drawing title		
WALL SECTIONS		
drawing prepared by		
DRA ARCHITECTS 130 William Street, Suite 200 South Windsor, CT 06074		
date		
05/24/2019		
scale		
As Indicated		
drawing no.		
A3-2-12		
project		
Renovations & Additions to Platt Technical High School 600 Orange Avenue, Milford, CT 06461		
CAD no.		
DCS project no. BR-RT-076 CM-R		
OSCGR project no. 900-0013		
revisions		
mark	date	description
RA4	08/09/2019	Addendum No. 4
drawing title		
STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
drawing no.		
A3-2-12		

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

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



GENERAL NOTES - SECTIONS:

1. REFER TO STRUCTURAL DRAWINGS FOR ALL MASONRY REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY
2. REFER TO STRUCTURAL DRAWINGS FOR ALL CAST IN PLACE REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY
3. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ALL PRECAST CONCRETE REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY
4. MASONRY TIES NOT INDICATED FOR CLARITY. REFER TO SPECIFICATIONS.
5. PROVIDE FIRERATING UL RATED ASSEMBLIES AT SECOND FLOOR PERIMETER, AND ALL PENETRATIONS AS NECESSARY TO MAINTAIN FLOOR SLAB FIRE RATING. PROVIDE FIRERATING UL RATED ASSEMBLIES AT ROOF PERIMETER AND ALL PENETRATIONS AS NECESSARY TO MAINTAIN ROOF FIRE RATING. REFER TO SPECIFICATIONS.
6. PROVIDE CONTINUOUS VAPOR BARRIER UNDER ALL SLAB-ON-GRADE. TERMINATE VAPOR BARRIER AS NECESSARY TO CREATE CONTINUOUS BARRIER. REFER TO RADON MITIGATION DRAWINGS FOR ADDITIONAL INFORMATION.
7. PROVIDE ALL REQUIRED FLASHINGS AT EXTERIOR WALL MATERIAL TRANSITIONS AS NECESSARY TO MAINTAIN CONTINUOUS AIR AND VAPOR BARRIER SYSTEM
8. PROVIDE CONTINUOUS VAPOR BARRIER BELOW ROOF INSULATION COVER METAL AND CONCRETE DECK. TERMINATE: TRANSITION ROOF VAPOR BARRIER TO WALL AIR AND VAPOR BARRIER SYSTEM AS NECESSARY TO MAINTAIN CONTINUOUS BARRIER AT THE BUILDING ENVELOPE.
9. FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS AND COMPONENTS ARE NOT SHOWN FOR CLARITY. REFER TO MEP&F DRAWINGS FOR INFORMATION.
10. SOME FINISH MATERIALS ARE NOT SHOWN FOR CLARITY. REFER TO FINISH SCHEDULE, WALL FINISH DRAWINGS, FLOOR FINISH DRAWINGS AND/OR INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION. REFER TO REFLECTIVE CEILING PLANS FOR THE FINISH CEILING HEIGHT INFORMATION.
11. SPRAY FIREPROOFING AND/OR INTUMESCENT COATING ON ITEMS BEYOND NOT SHOWN FOR CLARITY. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL SPRAY FIREPROOFING AND INTUMESCENT COATING EXTENTS REQUIREMENTS.
12. PAINT ALL STRUCTURAL STEEL AND METAL FABRICATIONS COMPONENTS EXPOSED TO VIEW INCLUDING BUT NOT LIMITED TO FIREPROOFED SURFACES, UNLESS NOTED OTHERWISE.
13. SEE STRUCTURAL DRAWINGS FOR CONCRETE FOOTING ELEVATIONS.
14. METAL ROOF EDGE HEIGHT IS 8" TALL.
15. STEEL BEAMS, GIRTS, JOISTS, TRUSSES THAT FRAME INTO STEEL COLUMNS ARE TO BE FIREPROOFED. IF EXPOSED TO VIEW, PAINT WITH INTUMESCENT PAINT. IN CONCEALED, PROVIDE SPRAY FIREPROOFING.
16. SEE PROJECT MANUAL FOR UL DESIGN REQUIREMENTS OF FIRE SAFING AND FIRE RESISTIVE JOINTS.

100% CONSTRUCTION DOCUMENTS

drawing title		
WALL SECTIONS		
REVISIONS		
mark	date	description
RA4	08/09/2019	Addendum No. 4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
DRA ARCHITECTS
130 William Road, Suite 200
South Windsor, CT 06074

project
Renovations & Additions to Platt Technical High School
600 Orange Avenue, Milford, CT 06461

CAD no. DCS project no. OSCGR project no.
BR-RT-076 CM-R 900-0013

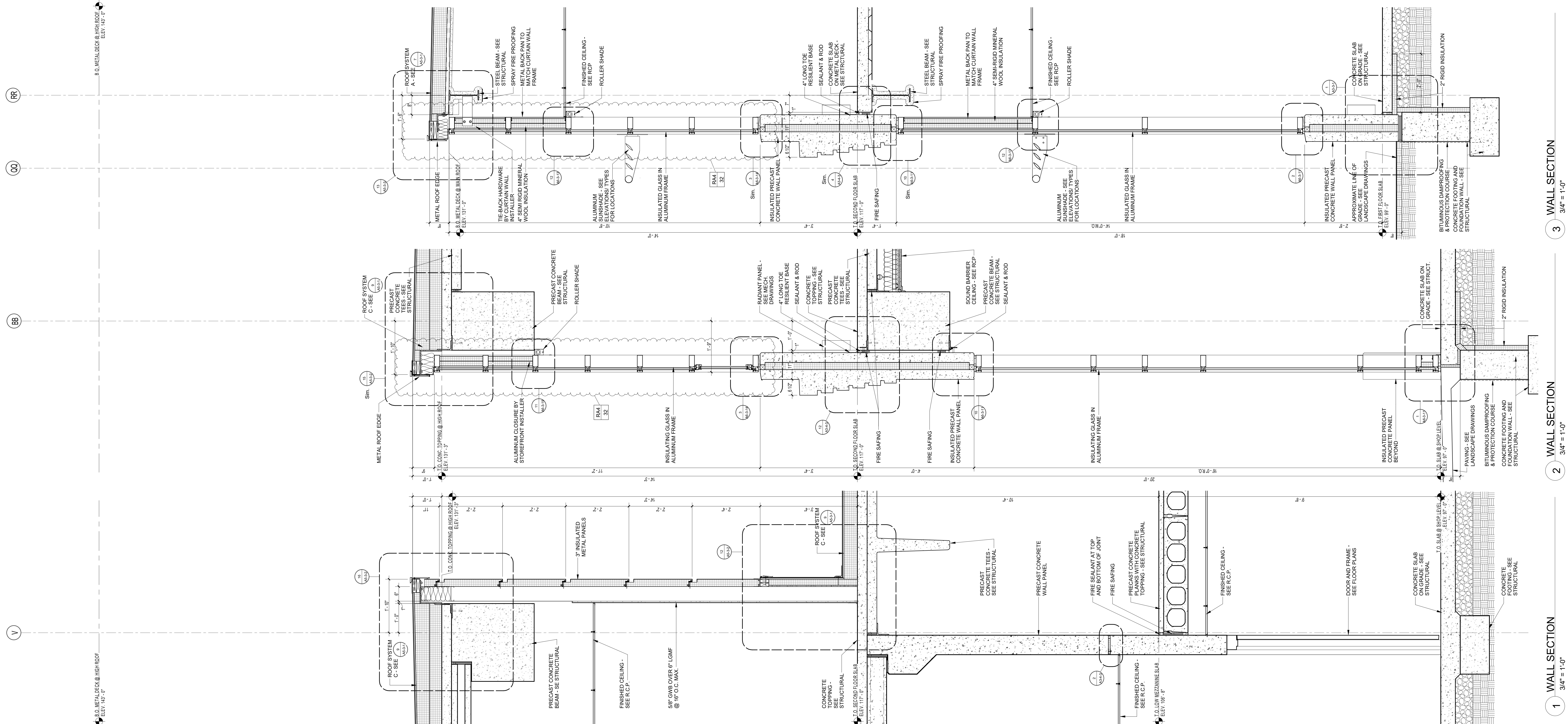
date 05/24/2019
scale As Indicated
drawn by Author
approved by Approver
drawing no. **A3-2-19**

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

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

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

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



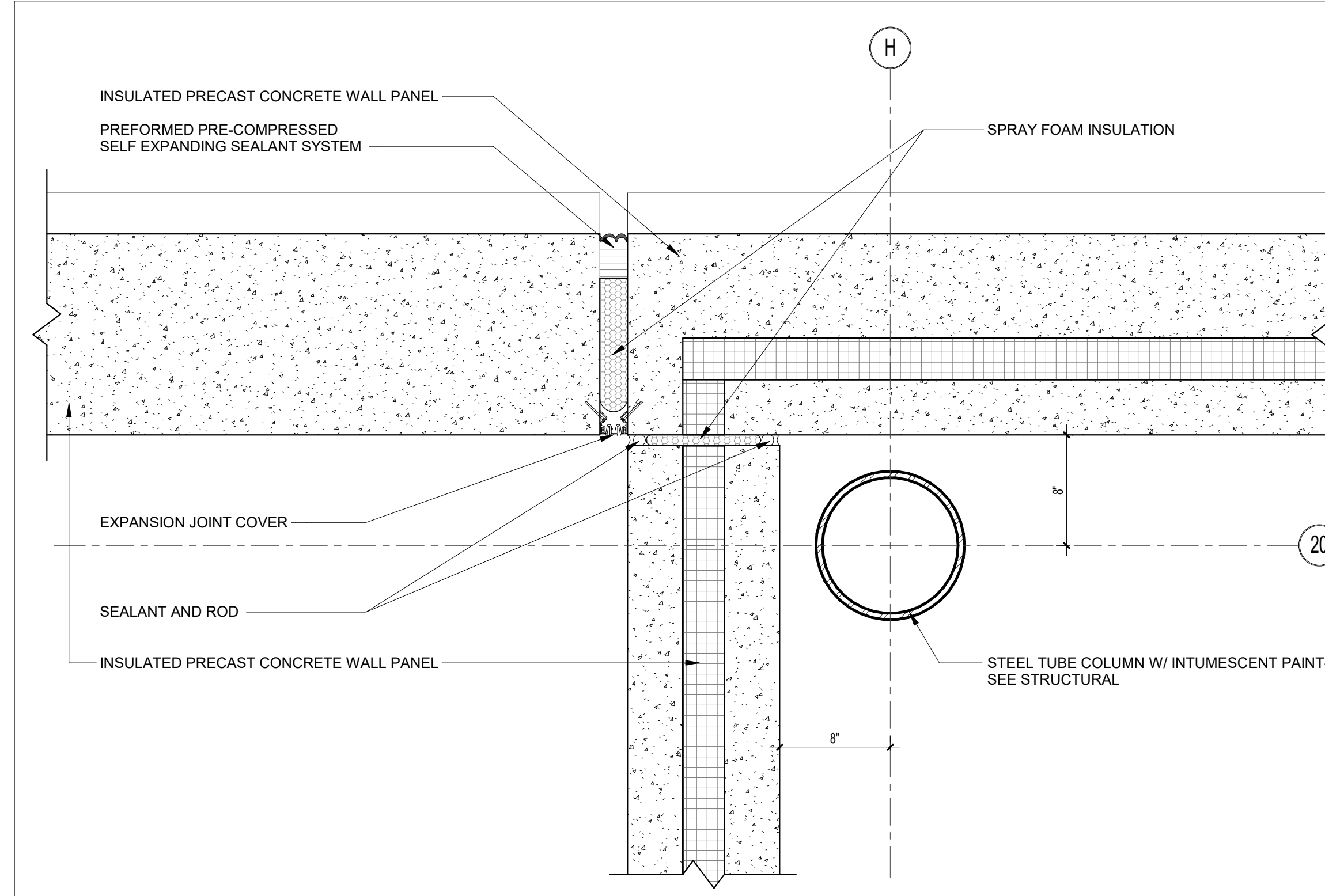
- GENERAL NOTES - SECTIONS:**
- REFER TO STRUCTURAL DRAWINGS FOR ALL MASONRY REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY
 - REFER TO STRUCTURAL DRAWINGS FOR ALL CAST IN PLACE REINFORCEMENT REQUIREMENTS. REINFORCEMENT IS NOT INDICATED FOR CLARITY
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 - SEE STRUCTURAL DRAWINGS FOR CONCRETE FOOTING ELEVATIONS.
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 - SEE PROJECT MANUAL FOR UL DESIGN REQUIREMENTS OF FIRE SAFING AND FIRE RESISTIVE JOINTS.

100% CONSTRUCTION DOCUMENTS			drawing title	
WALL SECTIONS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			drawing prepared by	
mark	date	description	DRA ARCHITECTS 130 Colburn Road, Suite 205 South Windsor, CT 06074	
RA4	08/09/2019	Addendum No. 4	date 05/24/2019	
project			scale As Indicated	
Renovations & Additions to Platt Technical High School 600 Orange Avenue, Milford, CT 06461			drawn by Author	
CAD no.			approved by Approver	
DCS project no. BR-RT-076 CM-R			drawing no. A3-2-26	
OSGCR project no. 900-0013				

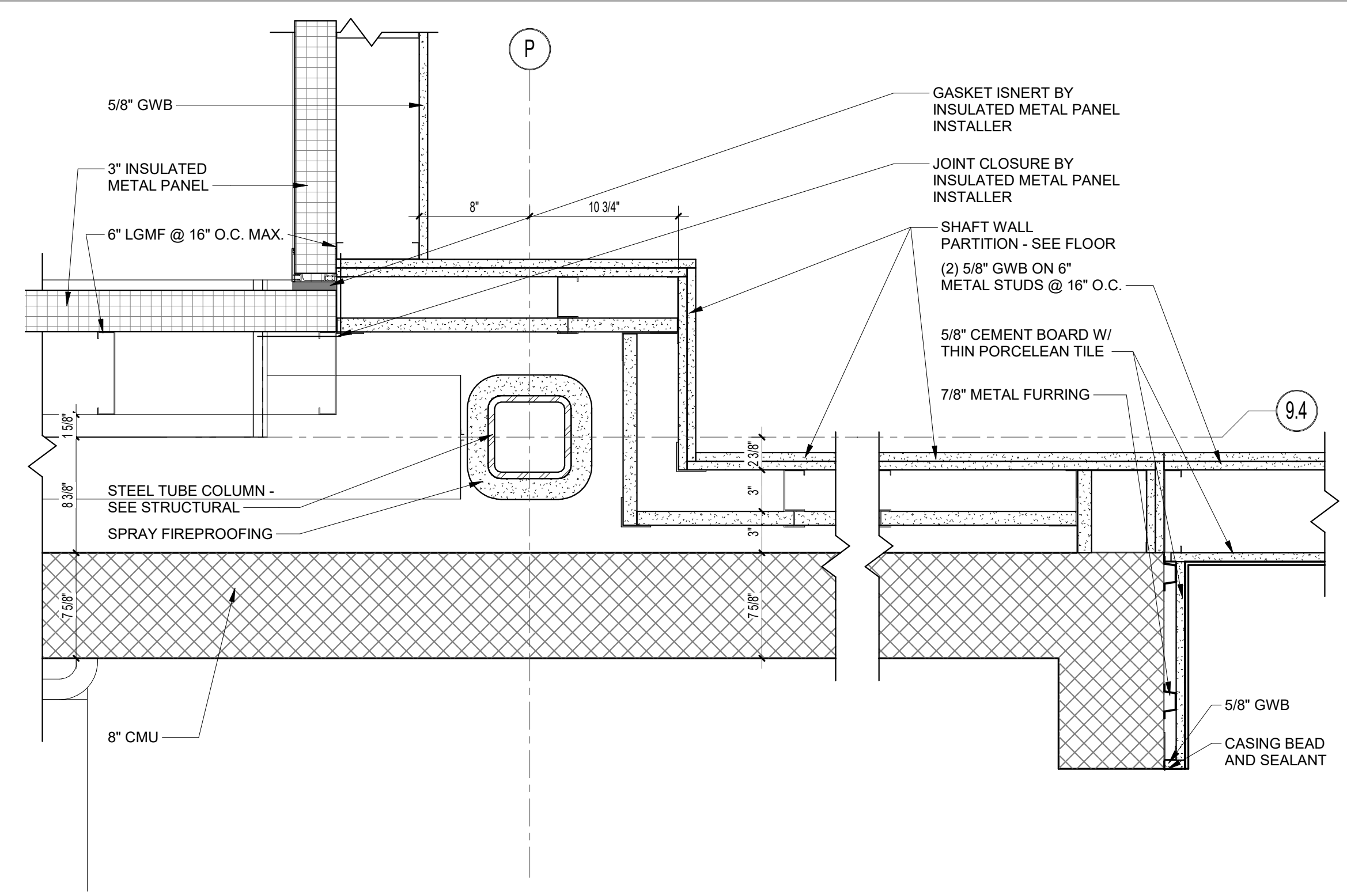
3 WALL SECTION
3/4" = 1'-0"

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

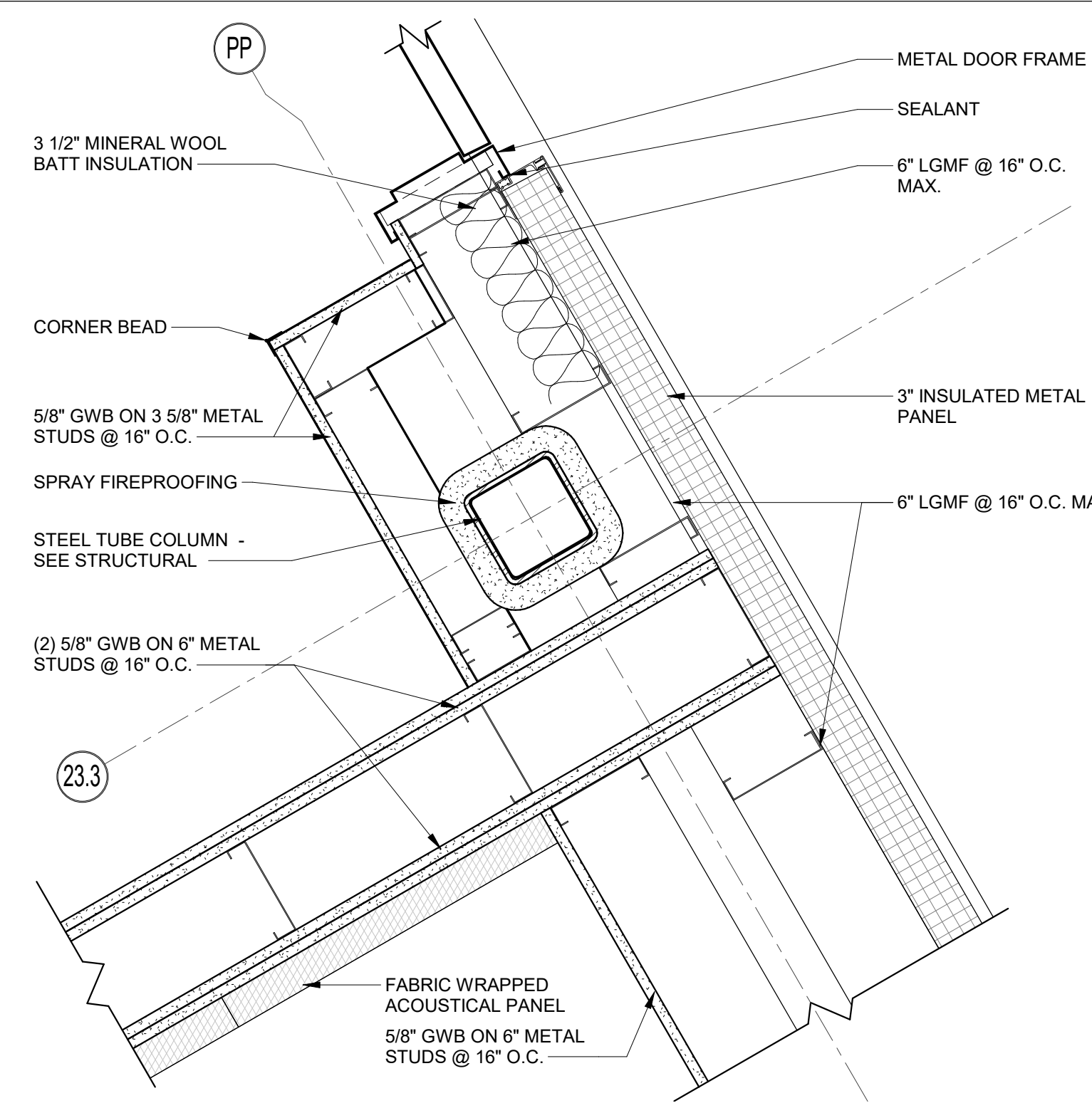
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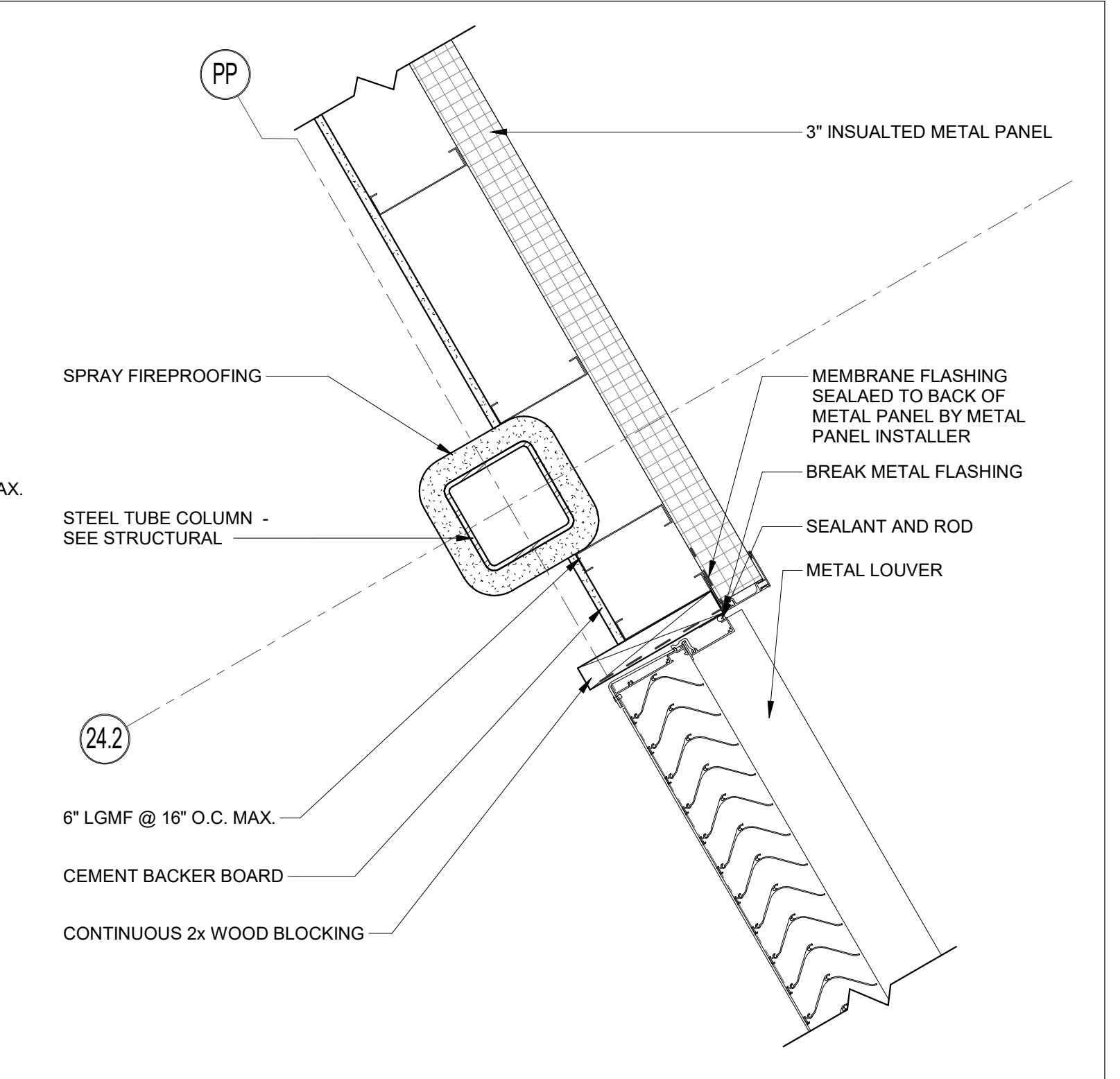
14 EXTERIOR PLAN DETAIL
1 1/2" = 1'-0"



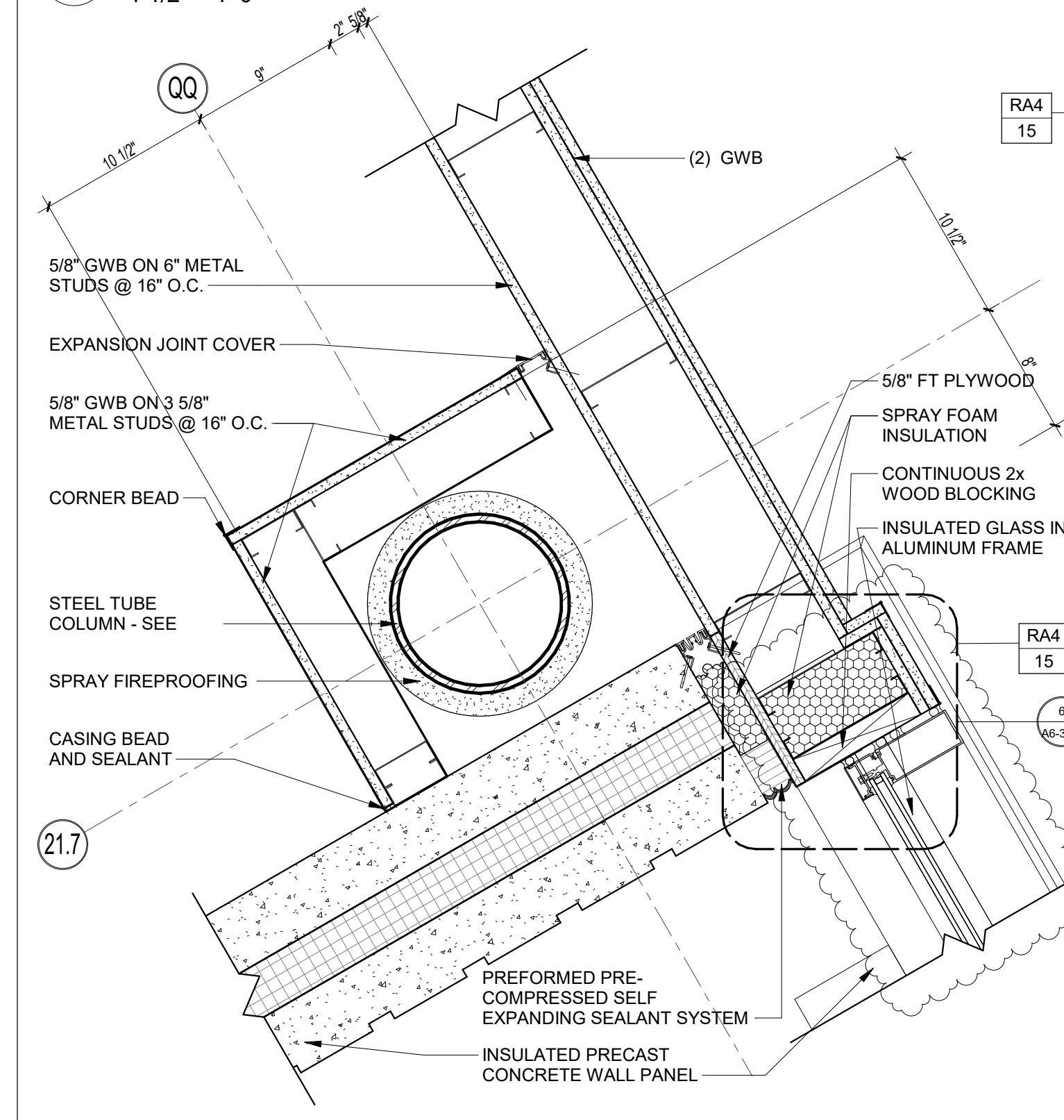
13 EXTERIOR PLAN DETAIL
1 1/2" = 1'-0"



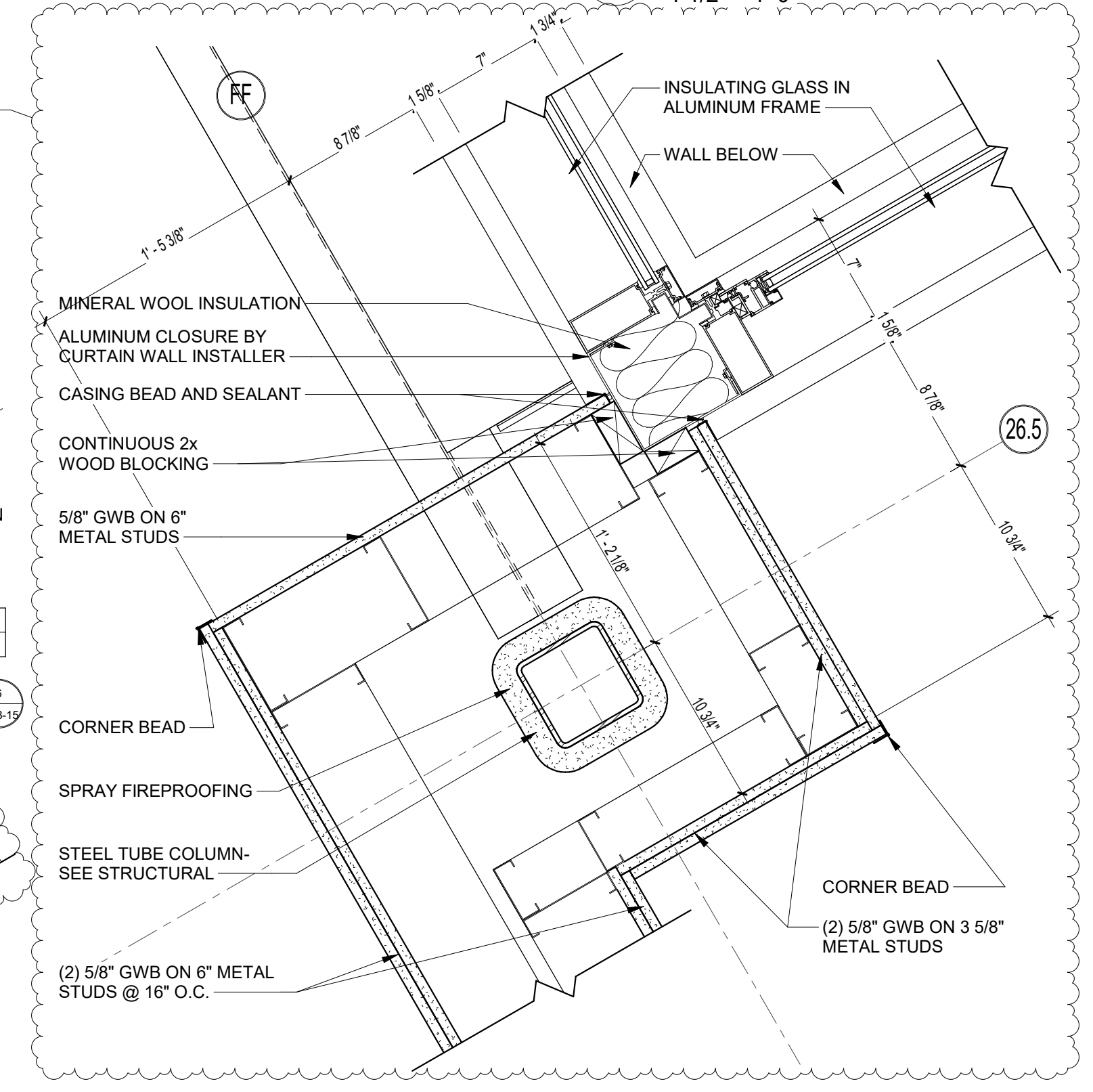
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1 1/2" = 1'-0"



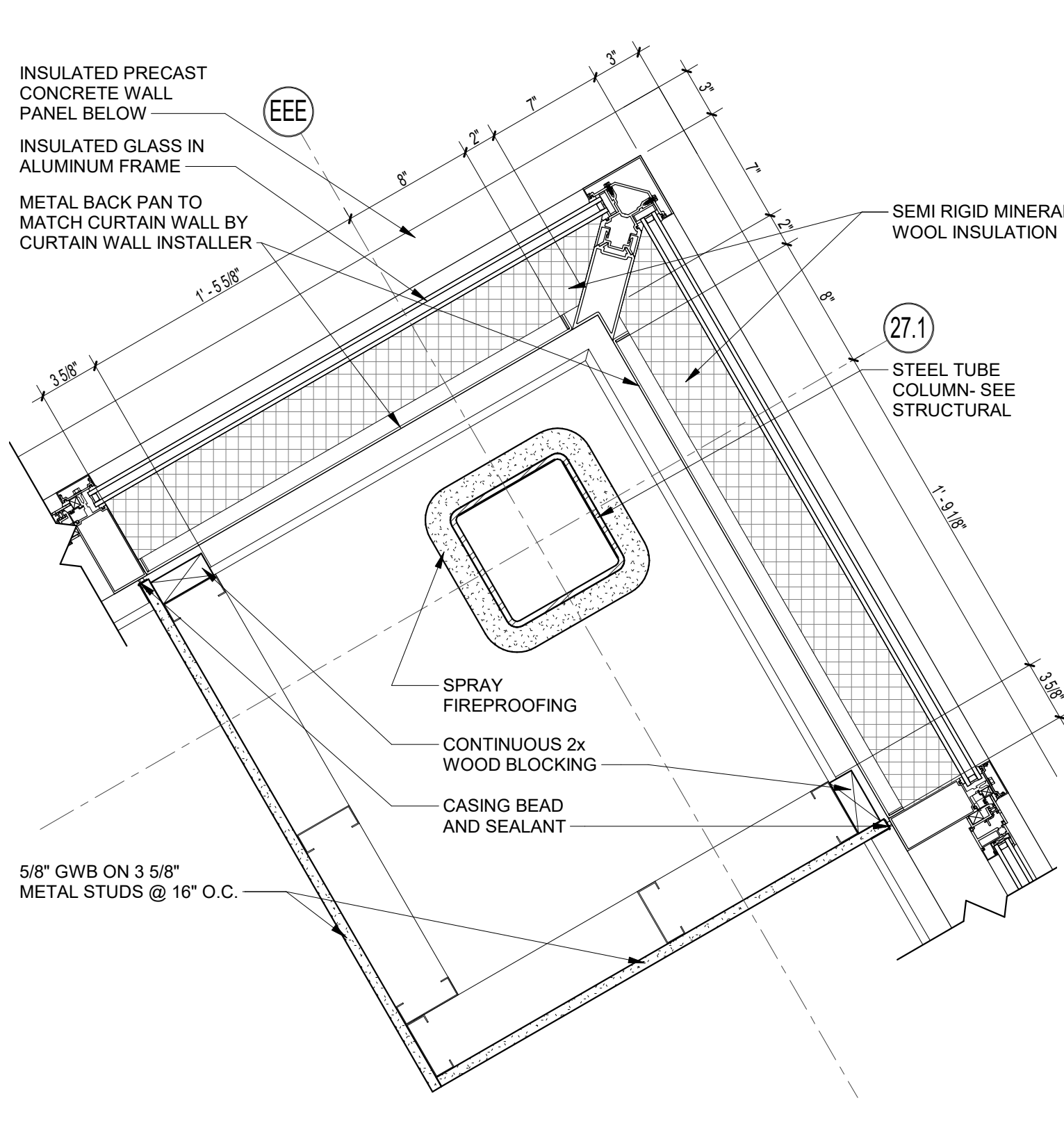
11 EXTERIOR PLAN DETAIL
1 1/2" = 1'-0"



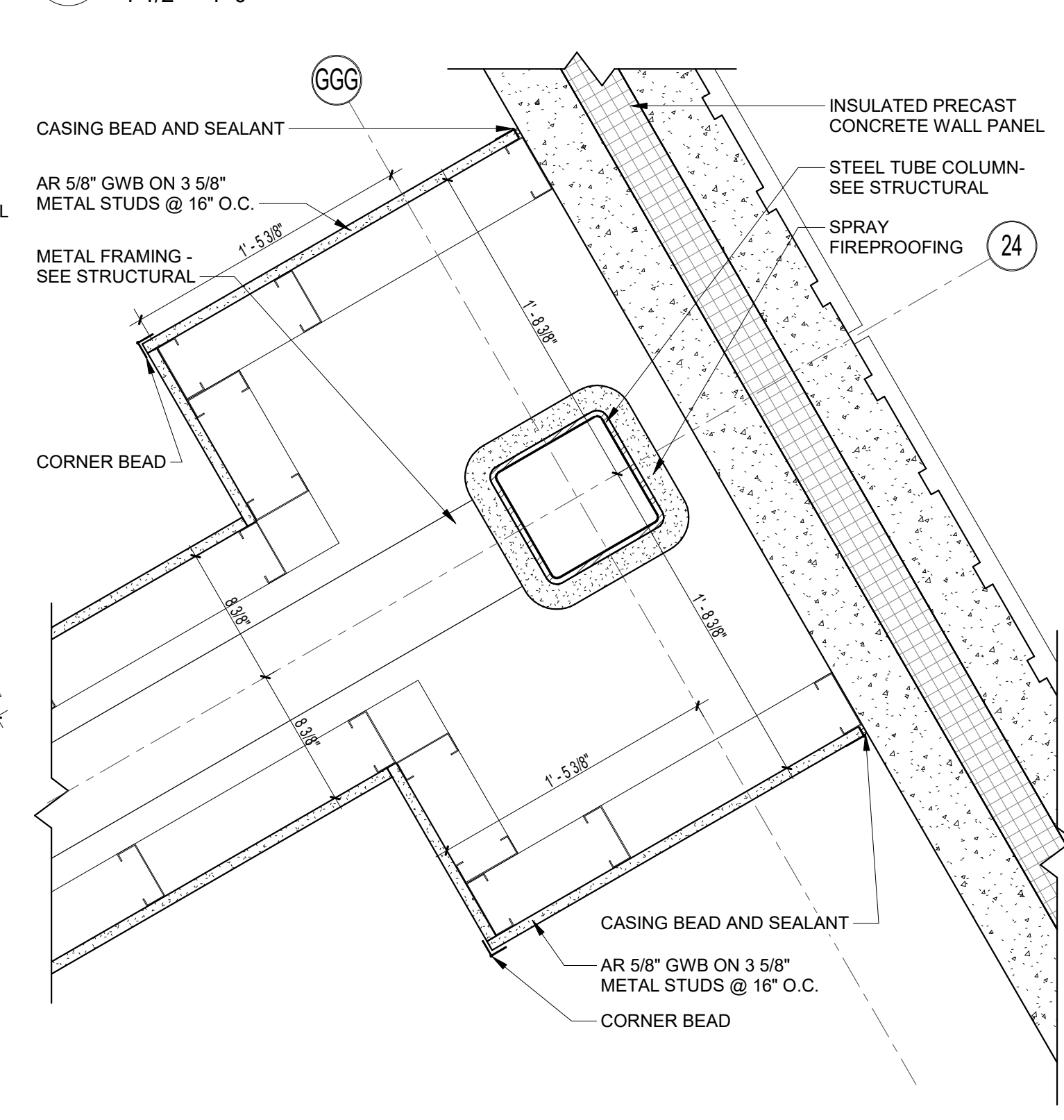
10 EXTERIOR PLAN DETAIL
1 1/2" = 1'-0"



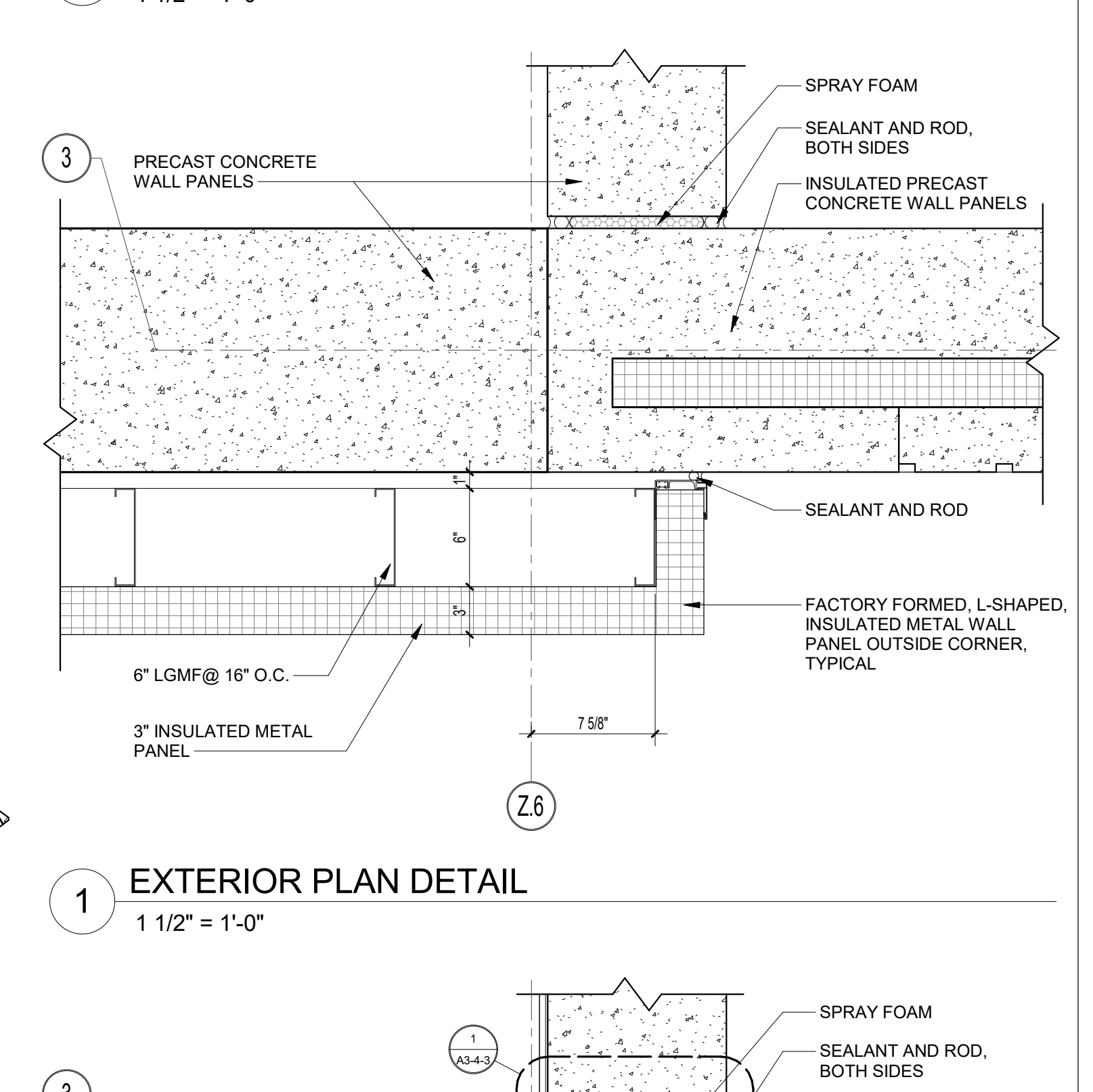
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1 1/2" = 1'-0"



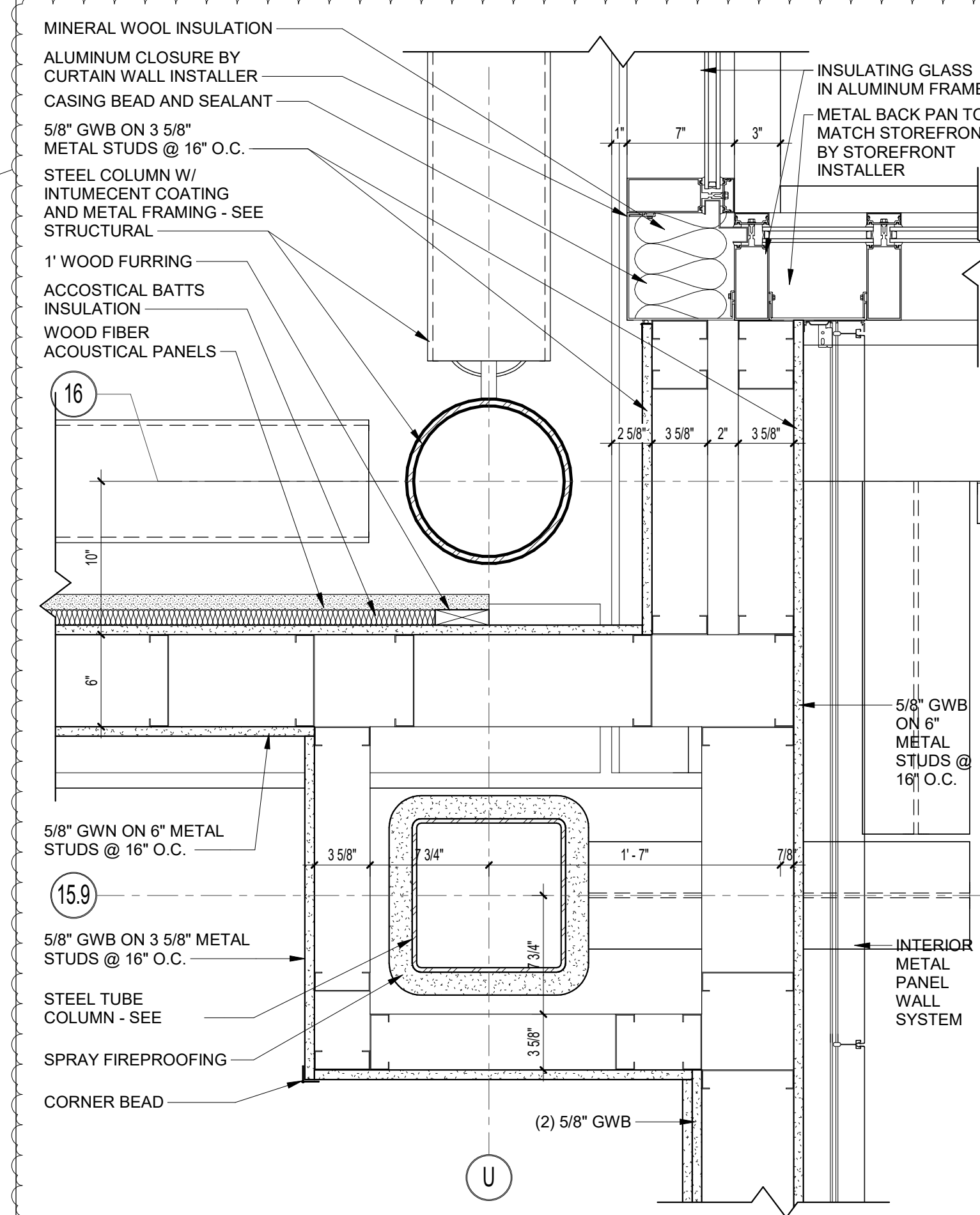
8 EXTERIOR PLAN DETAIL
1 1/2" = 1'-0"



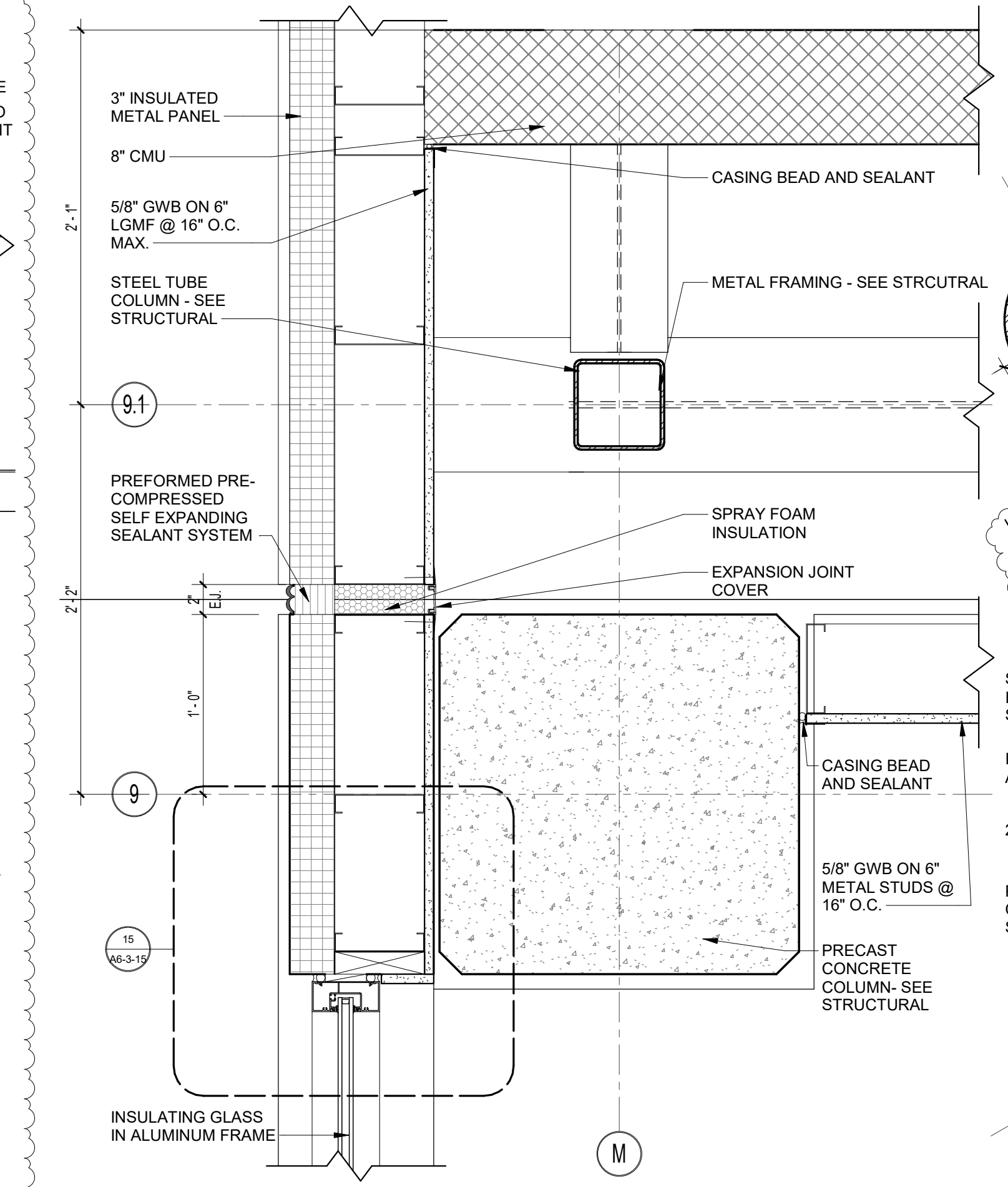
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1 1/2" = 1'-0"



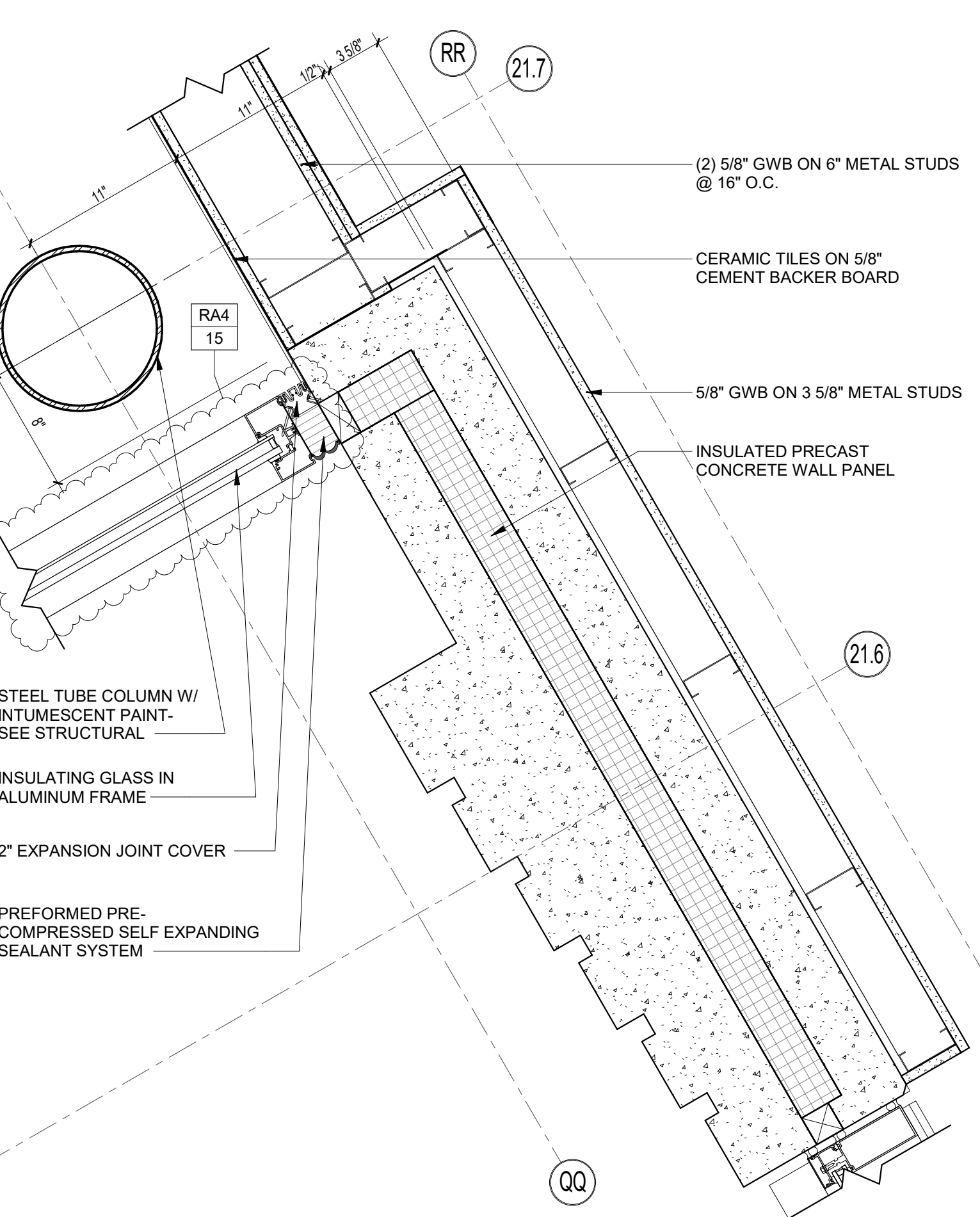
1 EXTERIOR PLAN DETAIL
1 1/2" = 1'-0"



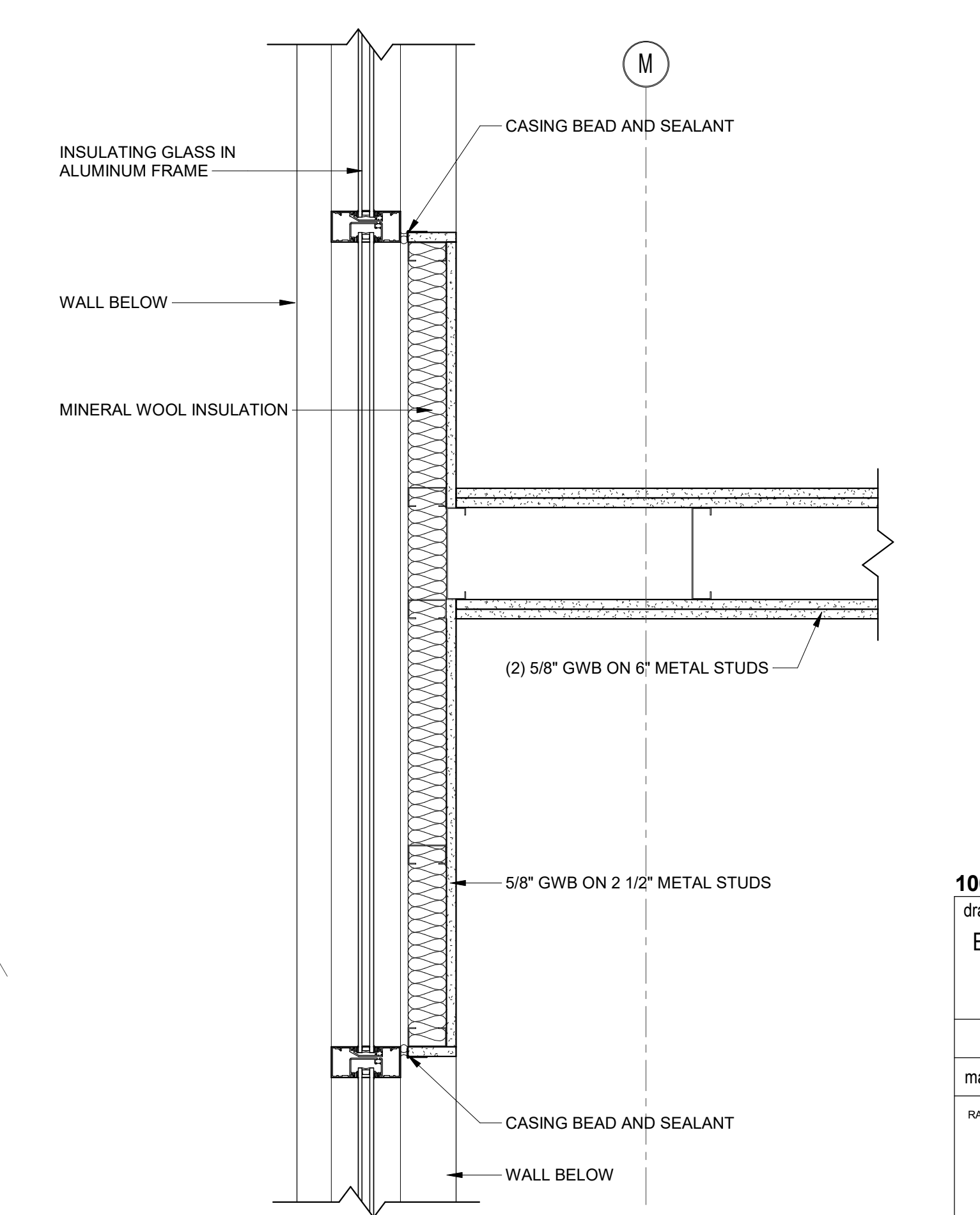
6 EXTERIOR PLAN DETAIL
1 1/2" = 1'-0"



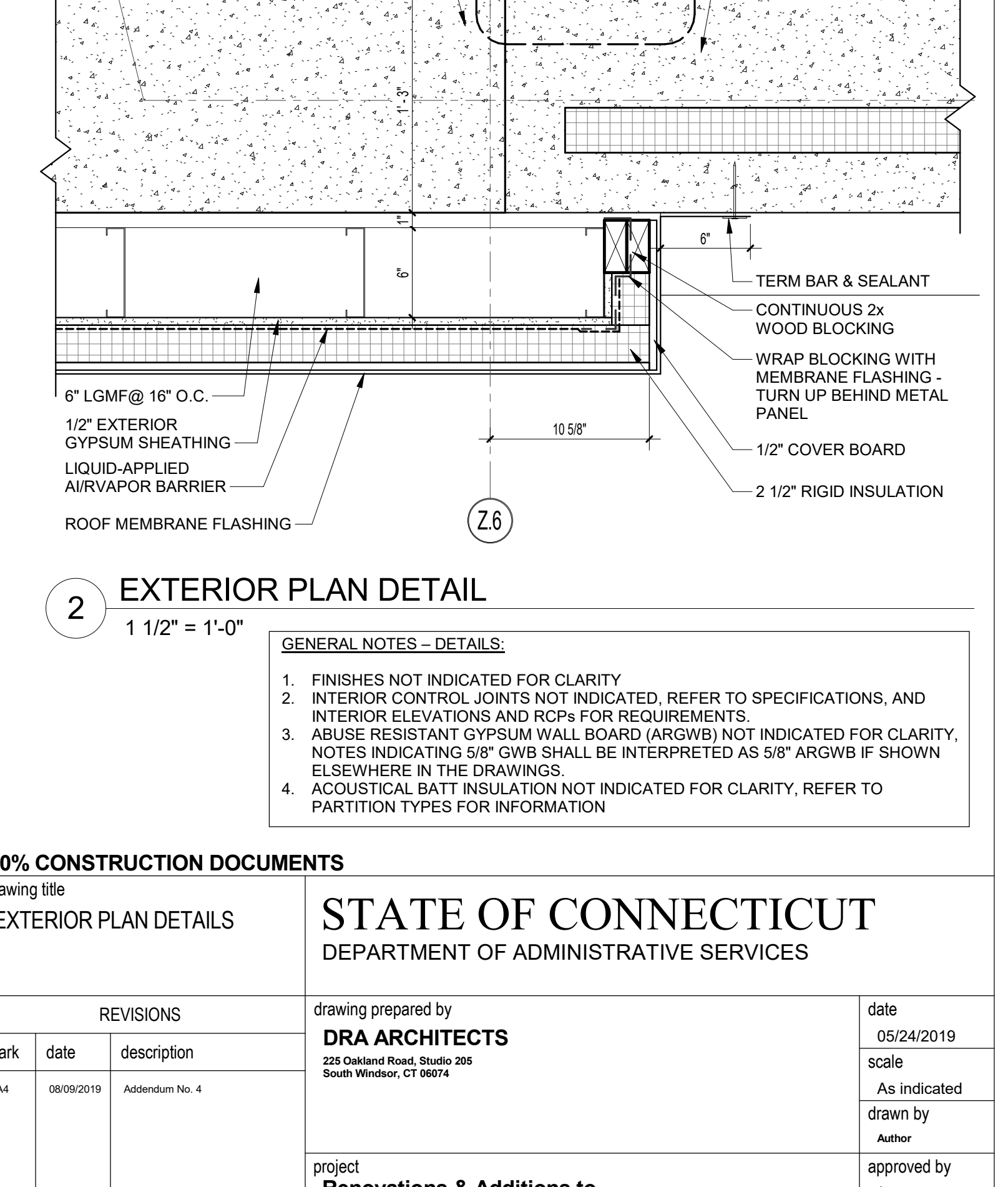
5 EXTERIOR PLAN DETAIL
1 1/2" = 1'-0"



4 EXTERIOR PLAN DETAIL
1 1/2" = 1'-0"



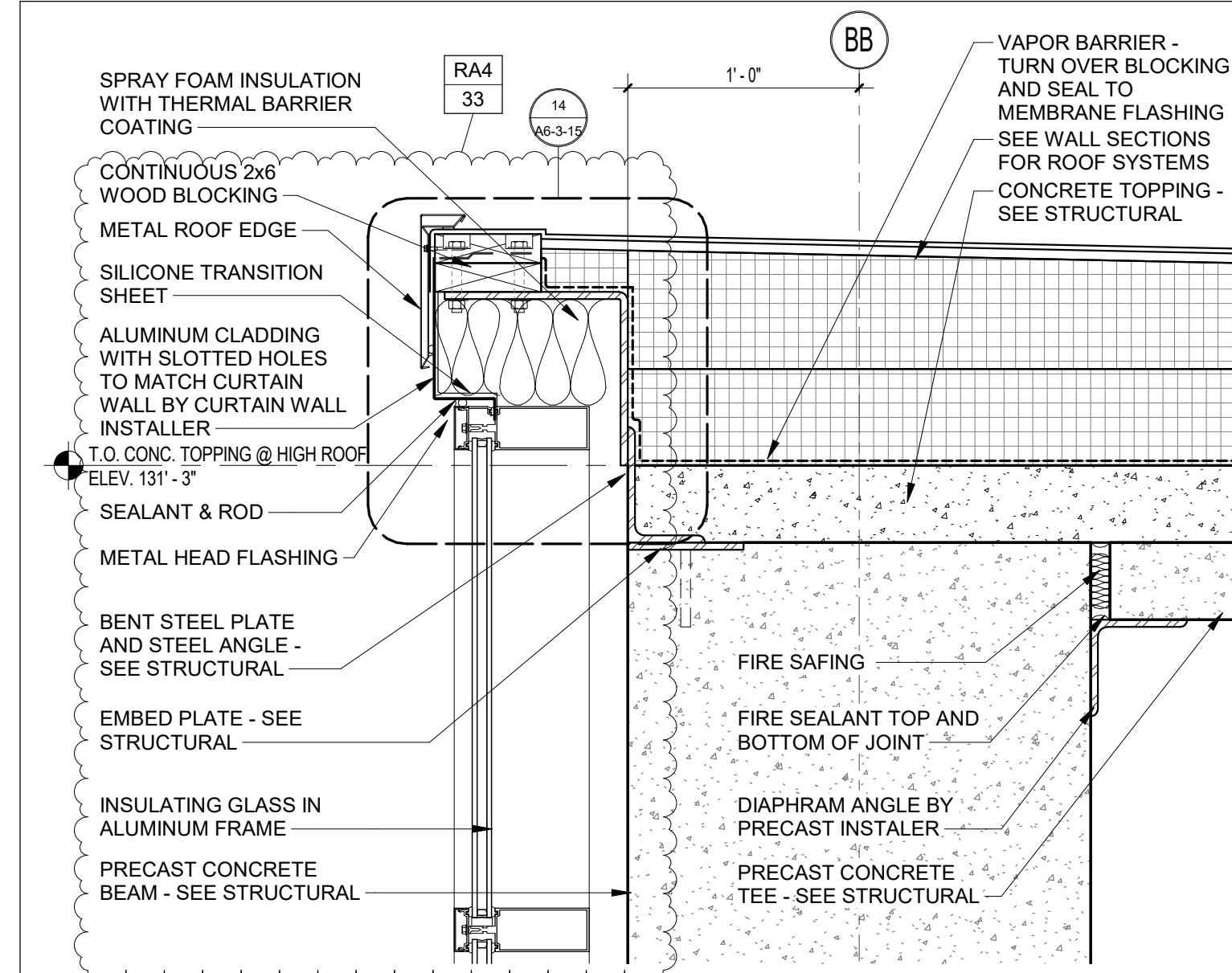
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1 1/2" = 1'-0"



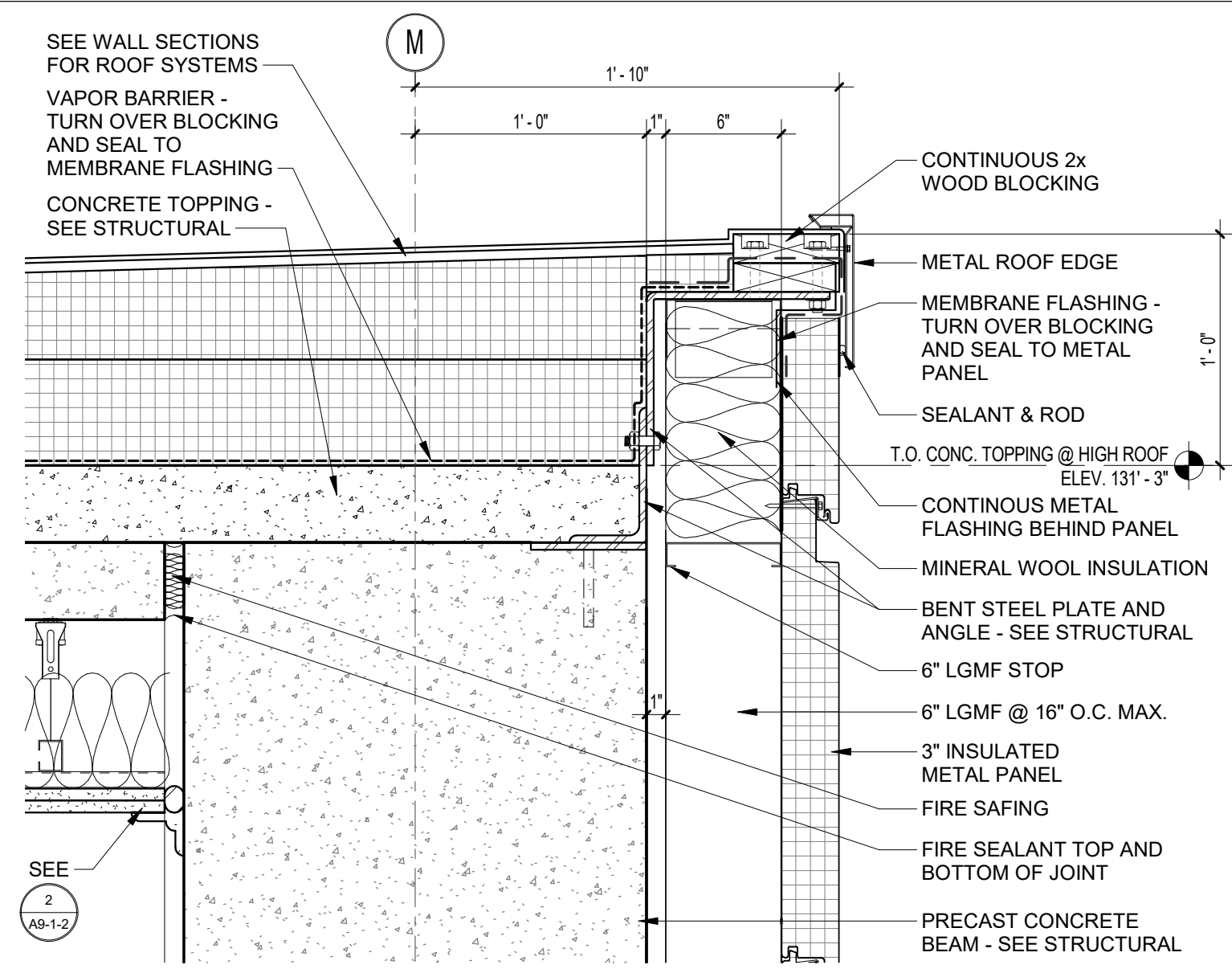
2 EXTERIOR PLAN DETAIL
1 1/2" = 1'-0"

GENERAL NOTES - DETAILS:
 1. FINISHES NOT INDICATED FOR CLARITY
 2. INTERIOR CONTROL JOINTS NOT INDICATED, REFER TO SPECIFICATIONS, AND INTERIOR ELEVATIONS AND RCPs FOR REQUIREMENTS.
 3. ABUSE RESISTANT GYPSUM WALL BOARD (ARGWB) NOT INDICATED FOR CLARITY, NOTES INDICATING 5/8\"/>

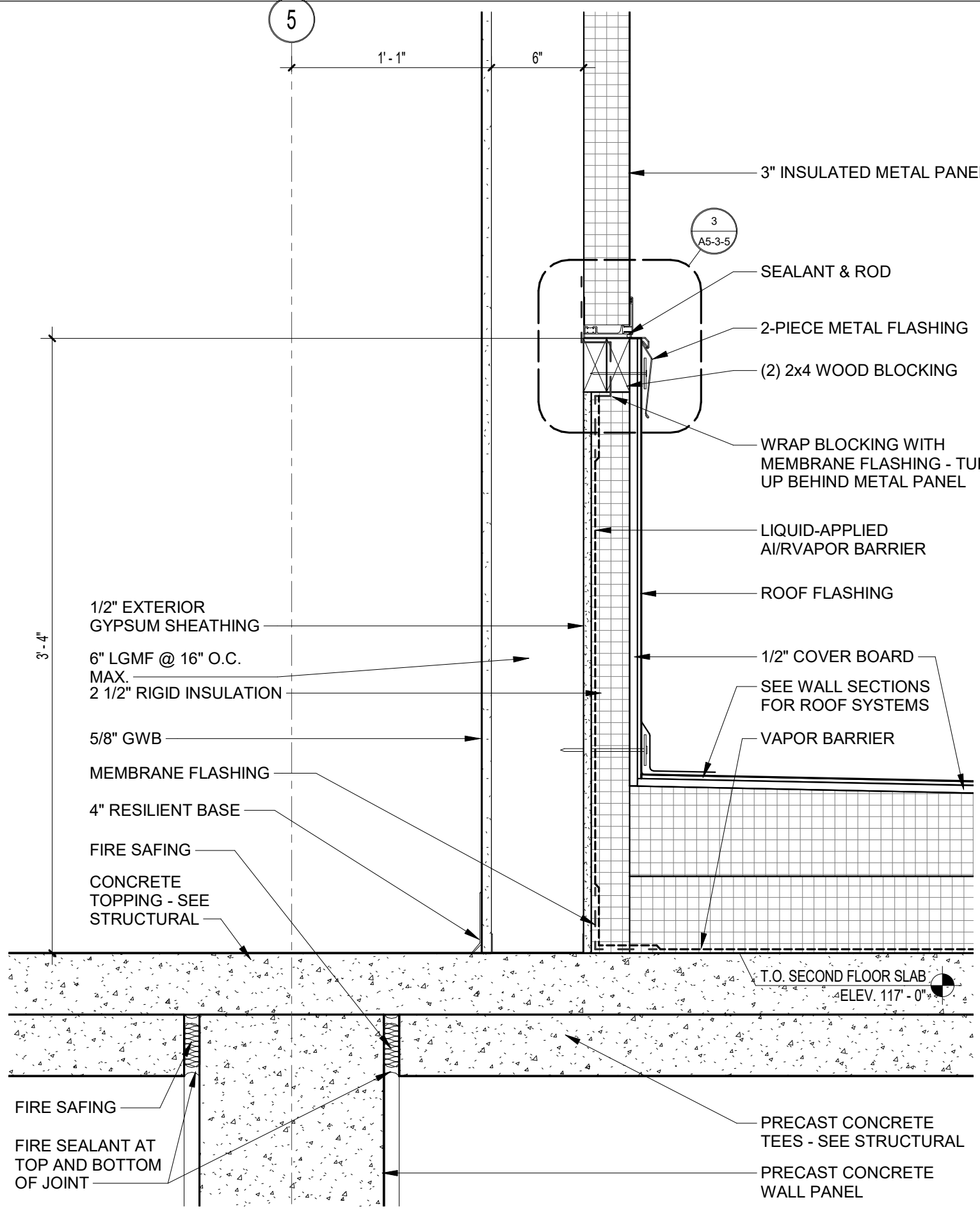
100% CONSTRUCTION DOCUMENTS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
drawing title EXTERIOR PLAN DETAILS		drawing prepared by DRA ARCHITECTS 225 Oakland Road, Ste 200 South Windsor, CT 06074	
date 08/09/2019		date 05/24/2019	
description Addendum No. 4		scale As Indicated	
author RA4		approved by [Signature]	
project Renovations & Additions to Platt Technical High School 400 Orange Avenue, Milford, CT 06461		drawing no. A5-1-4	
CAD no.	DCS project no. BLRT-076 CM-R	OSCRG project no. 900-0013	



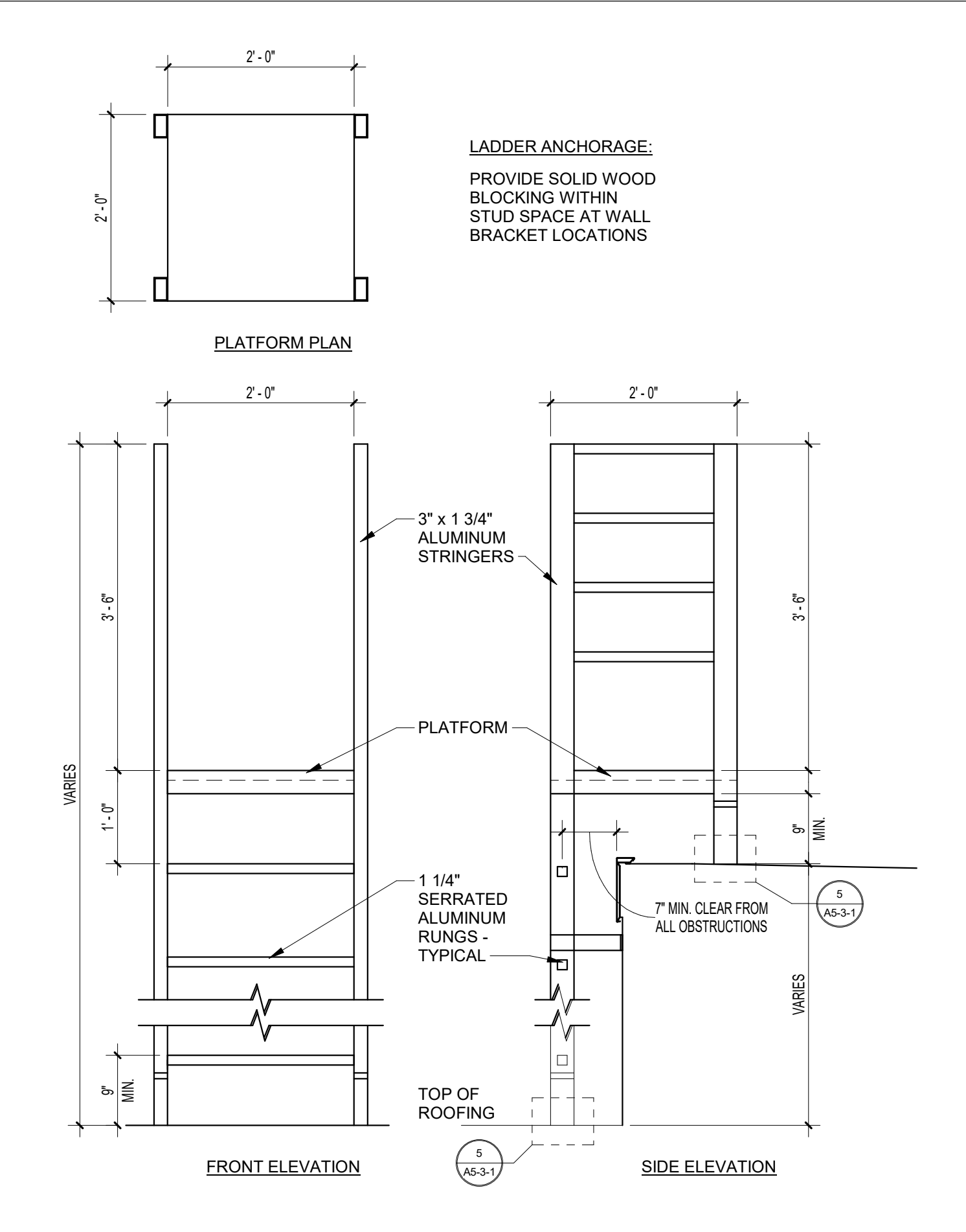
15 ROOF DETAIL
1 1/2" = 1'-0"



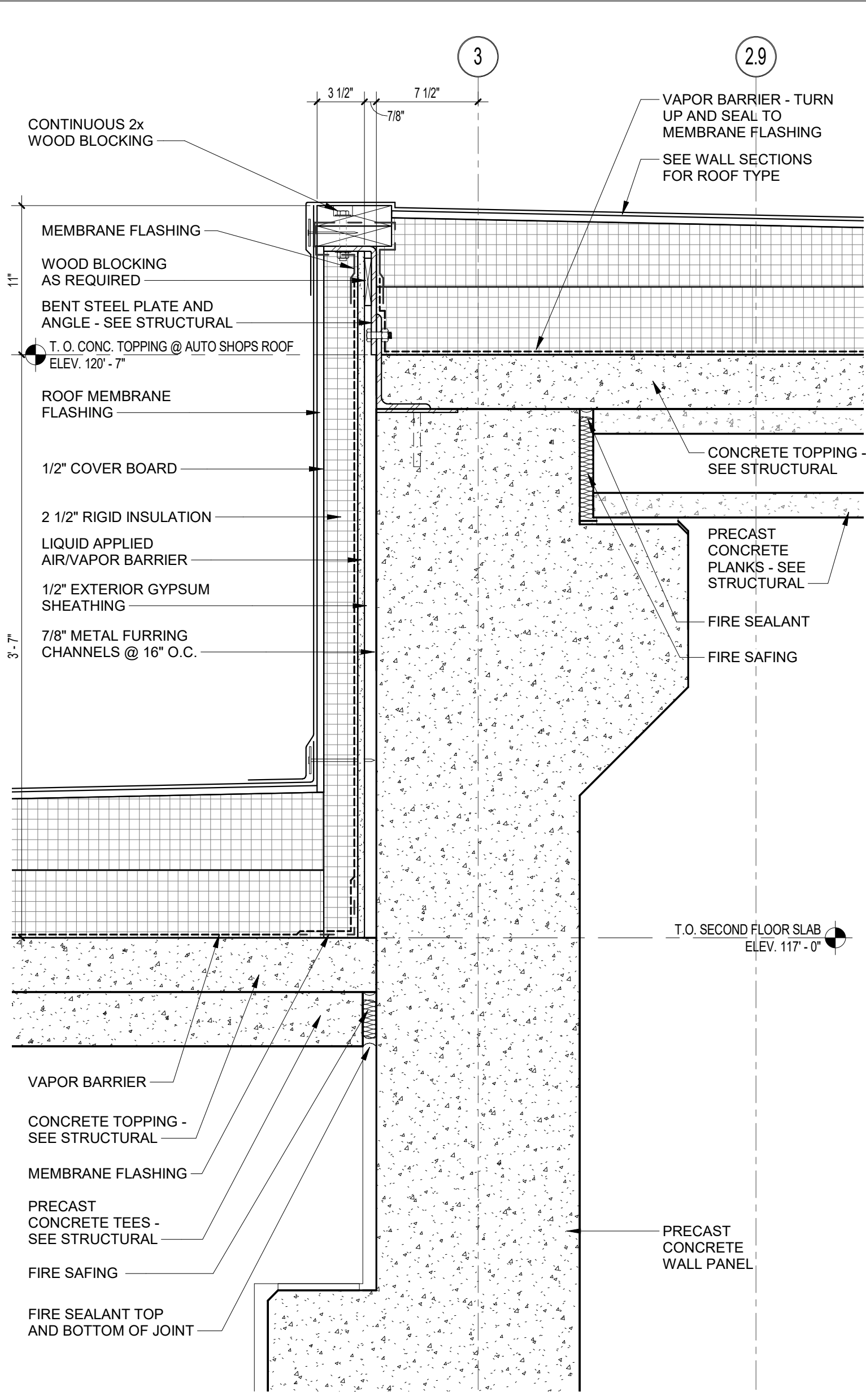
16 ROOF DETAIL
1 1/2" = 1'-0"



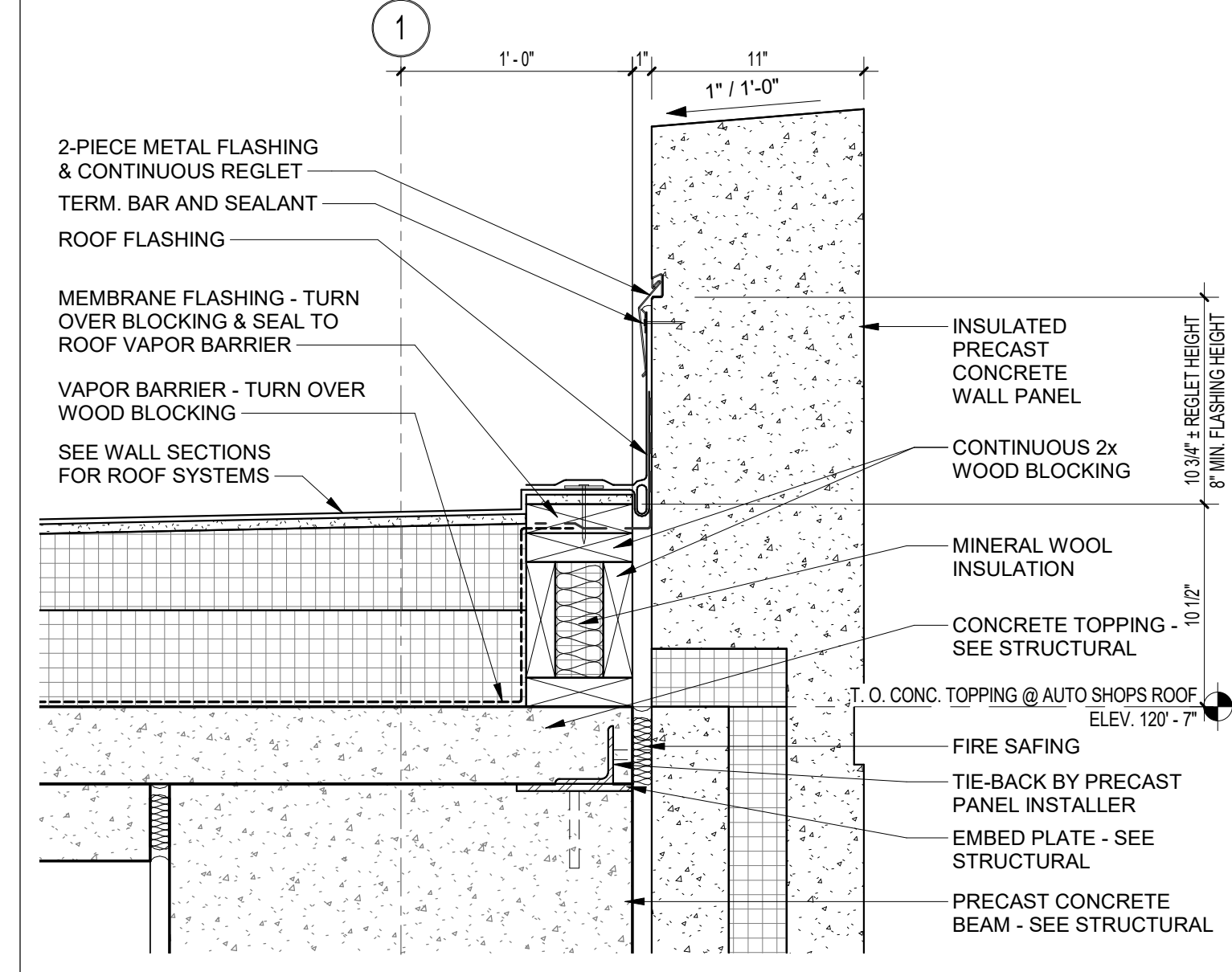
12 ROOF DETAIL
1 1/2" = 1'-0"



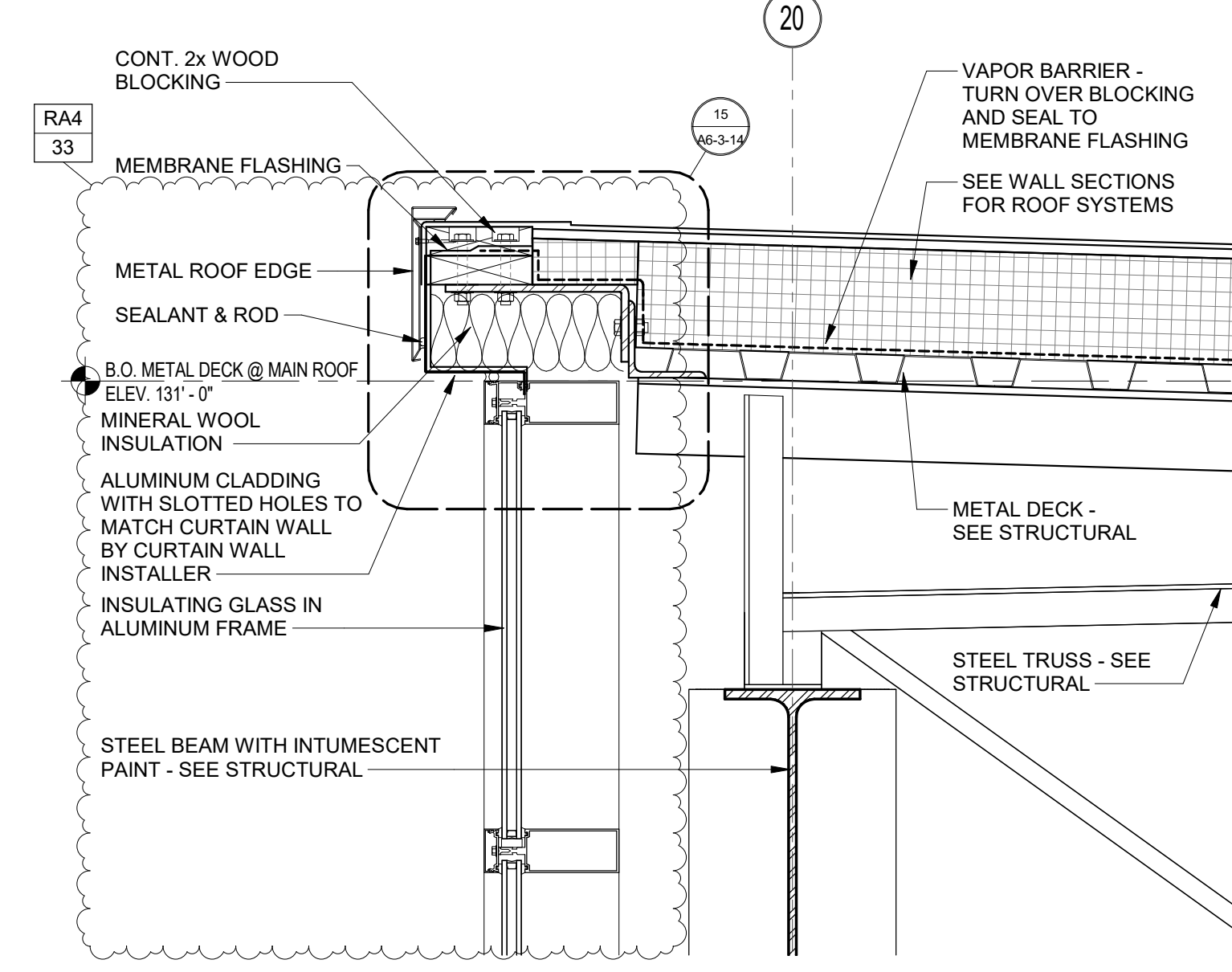
11 LADDER STRINGER DETAIL
3/4" = 1'-0"



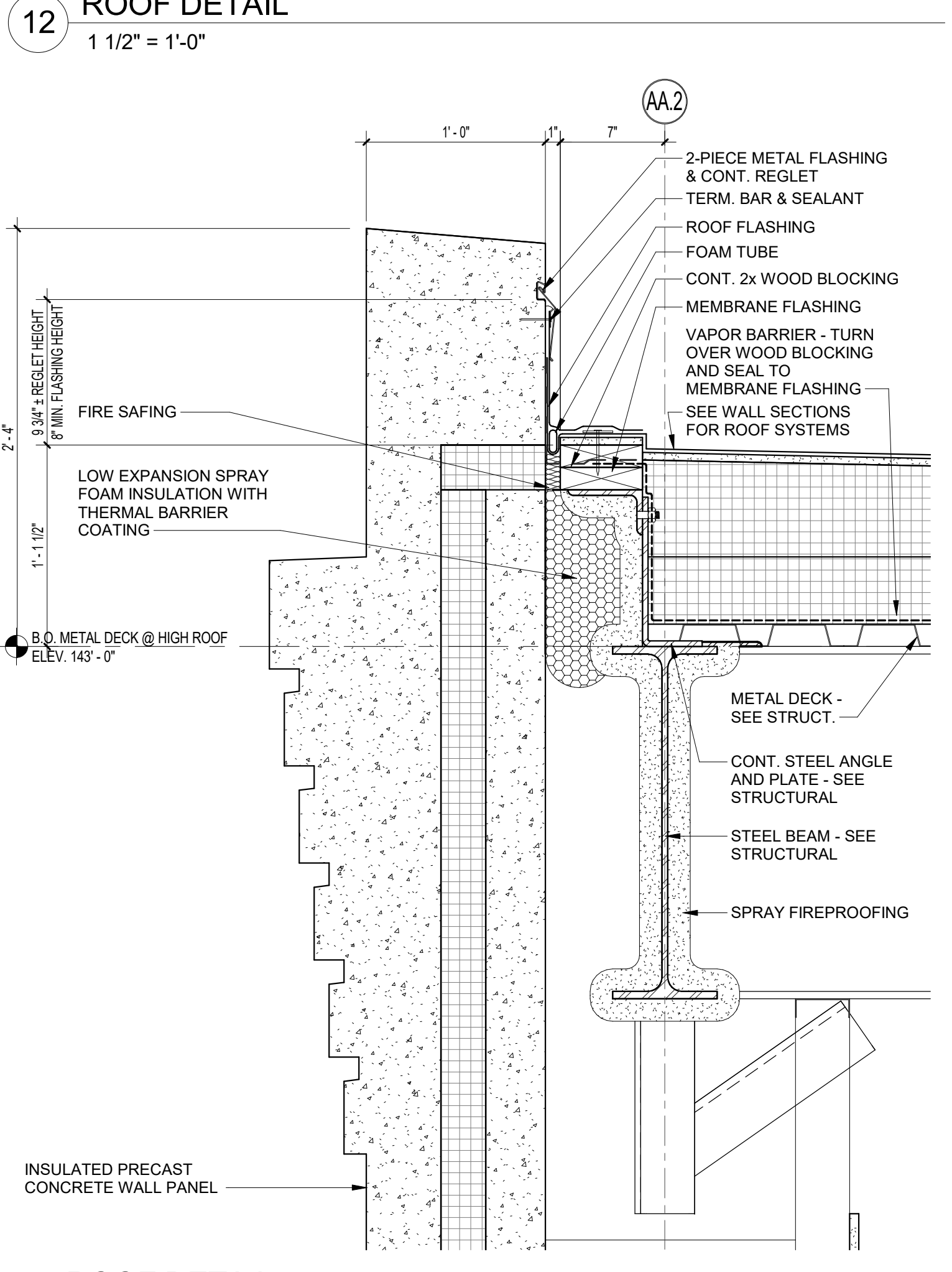
10 ROOF DETAIL
1 1/2" = 1'-0"



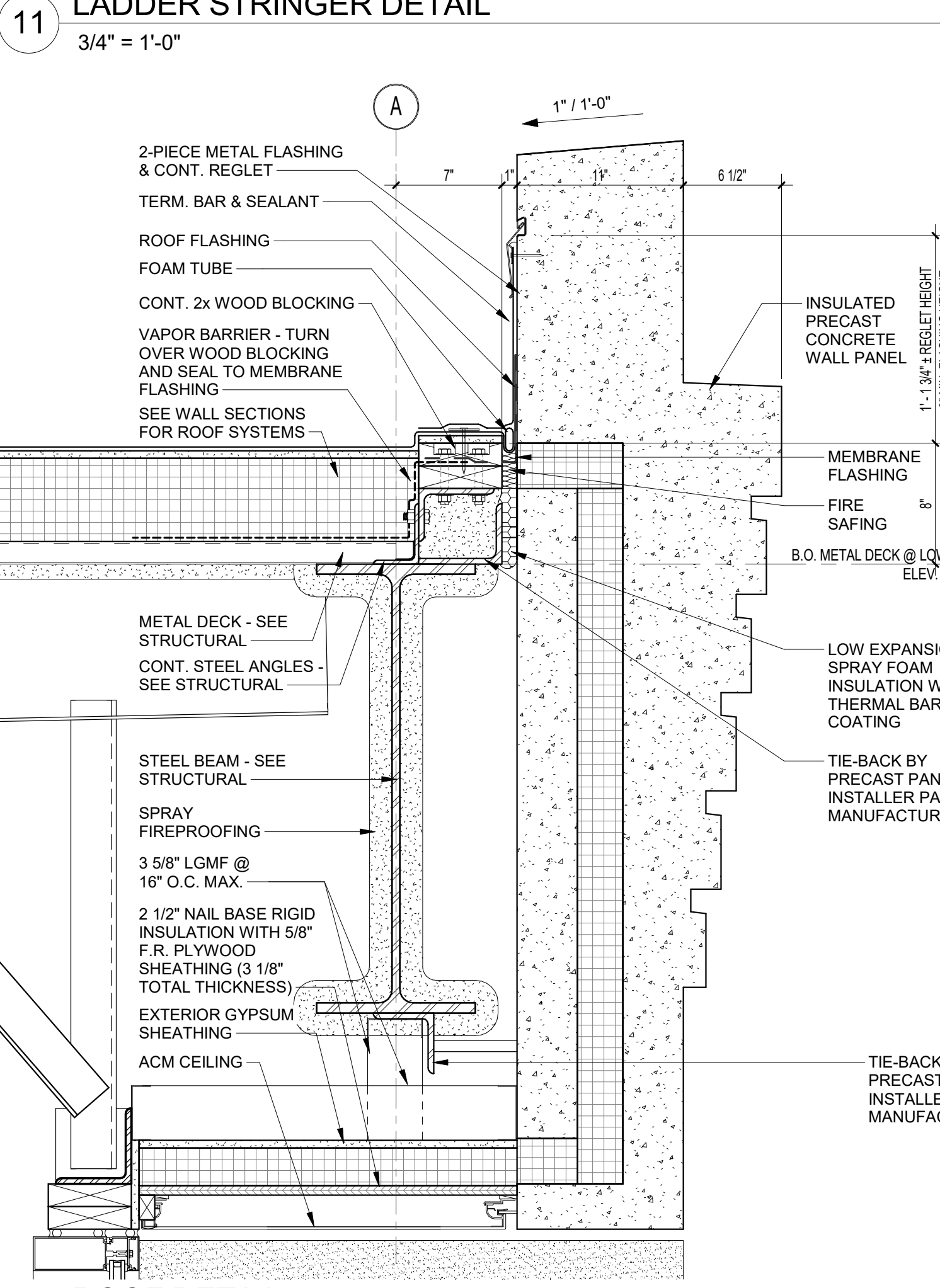
14 ROOF DETAIL
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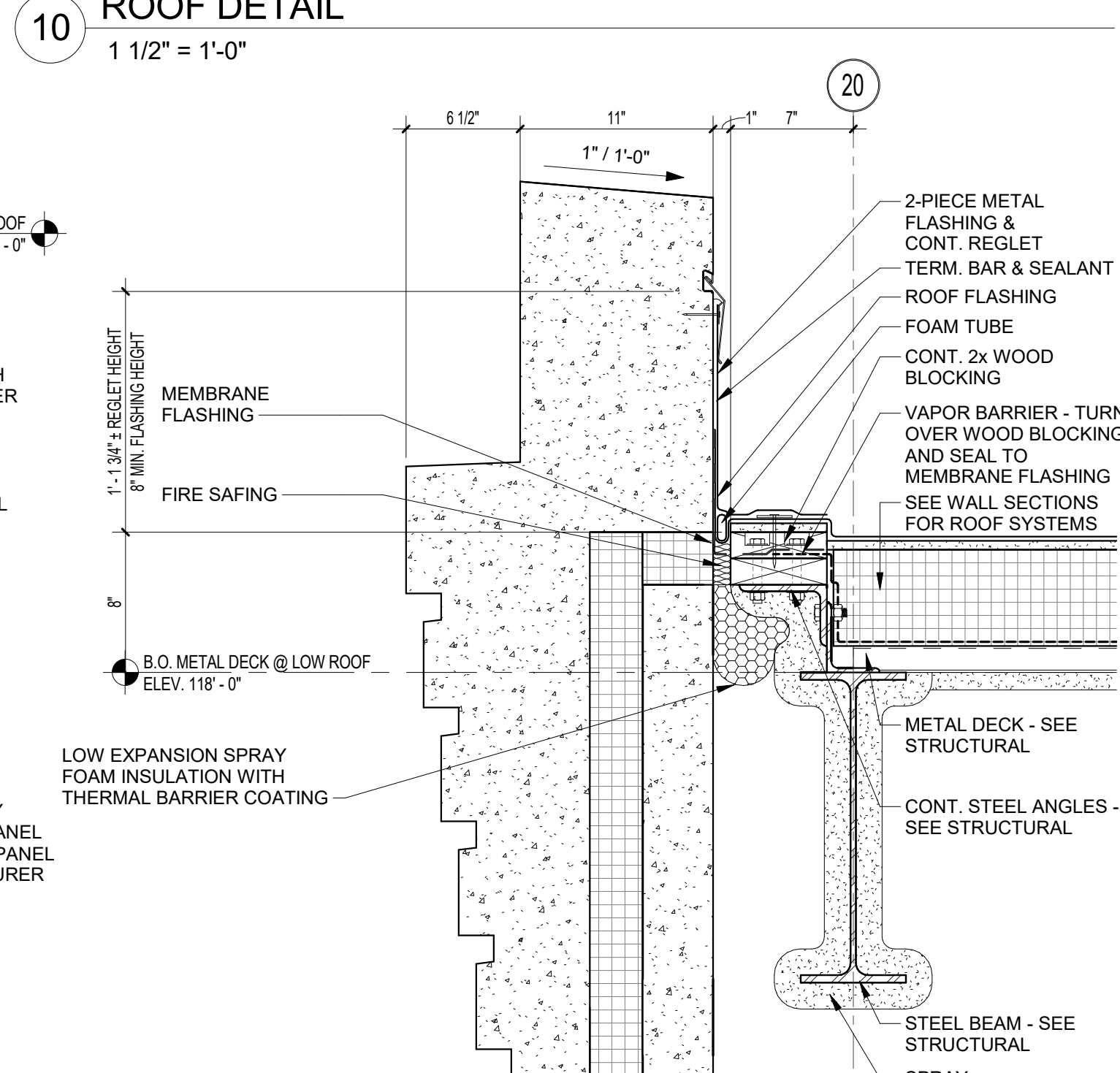
13 ROOF DETAIL
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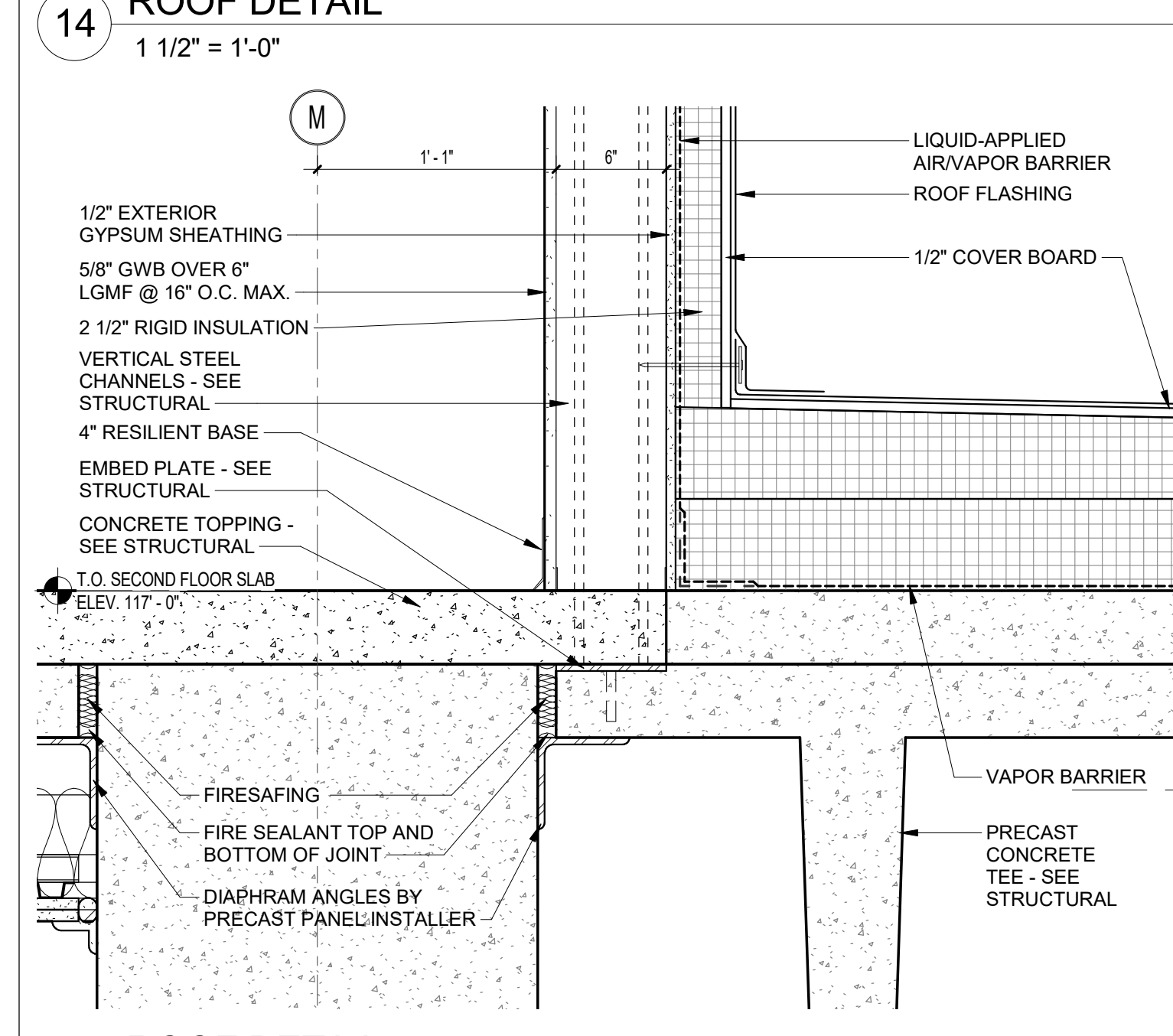
7 ROOF DETAIL
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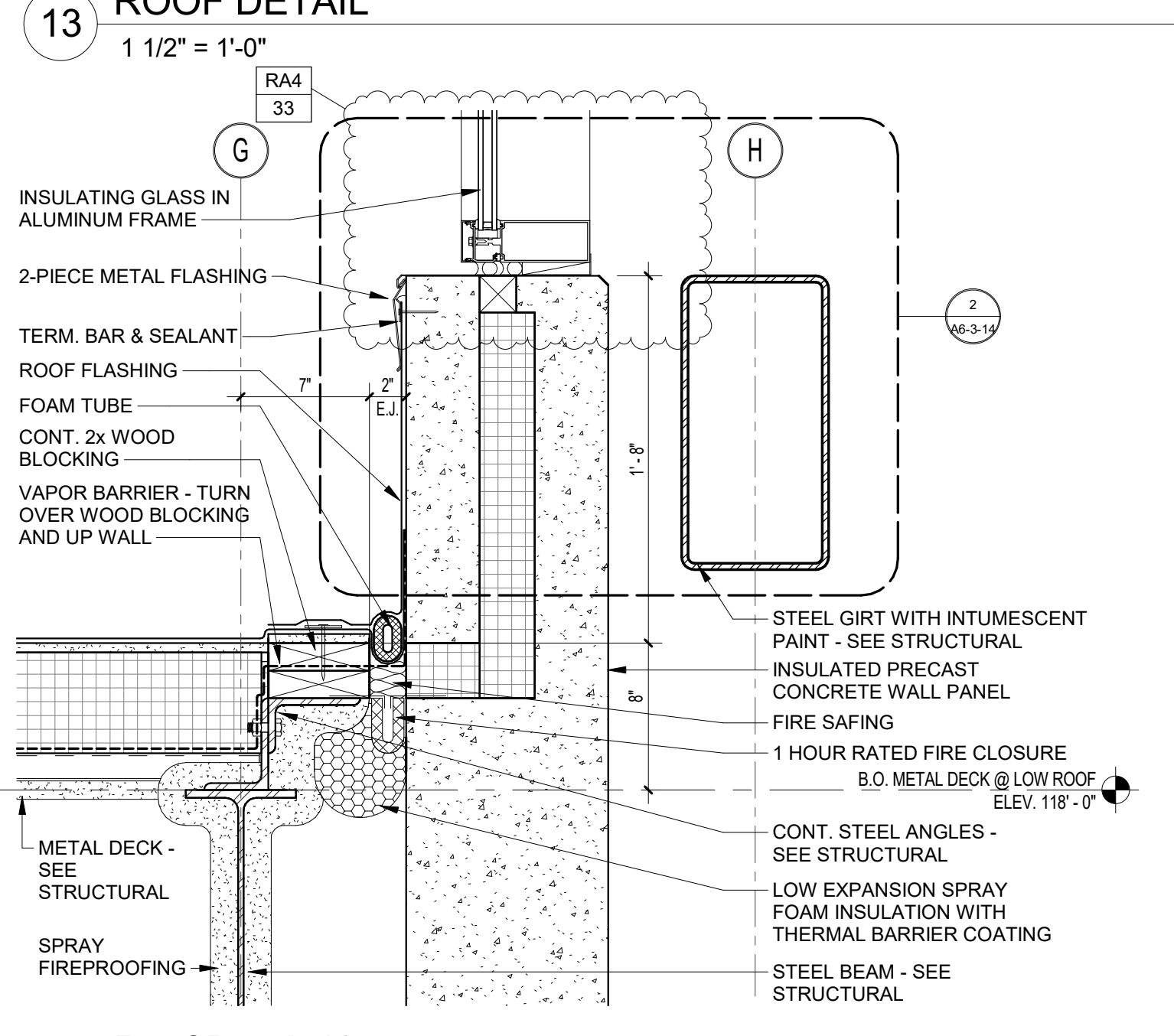
8 ROOF DETAIL
1 1/2" = 1'-0"



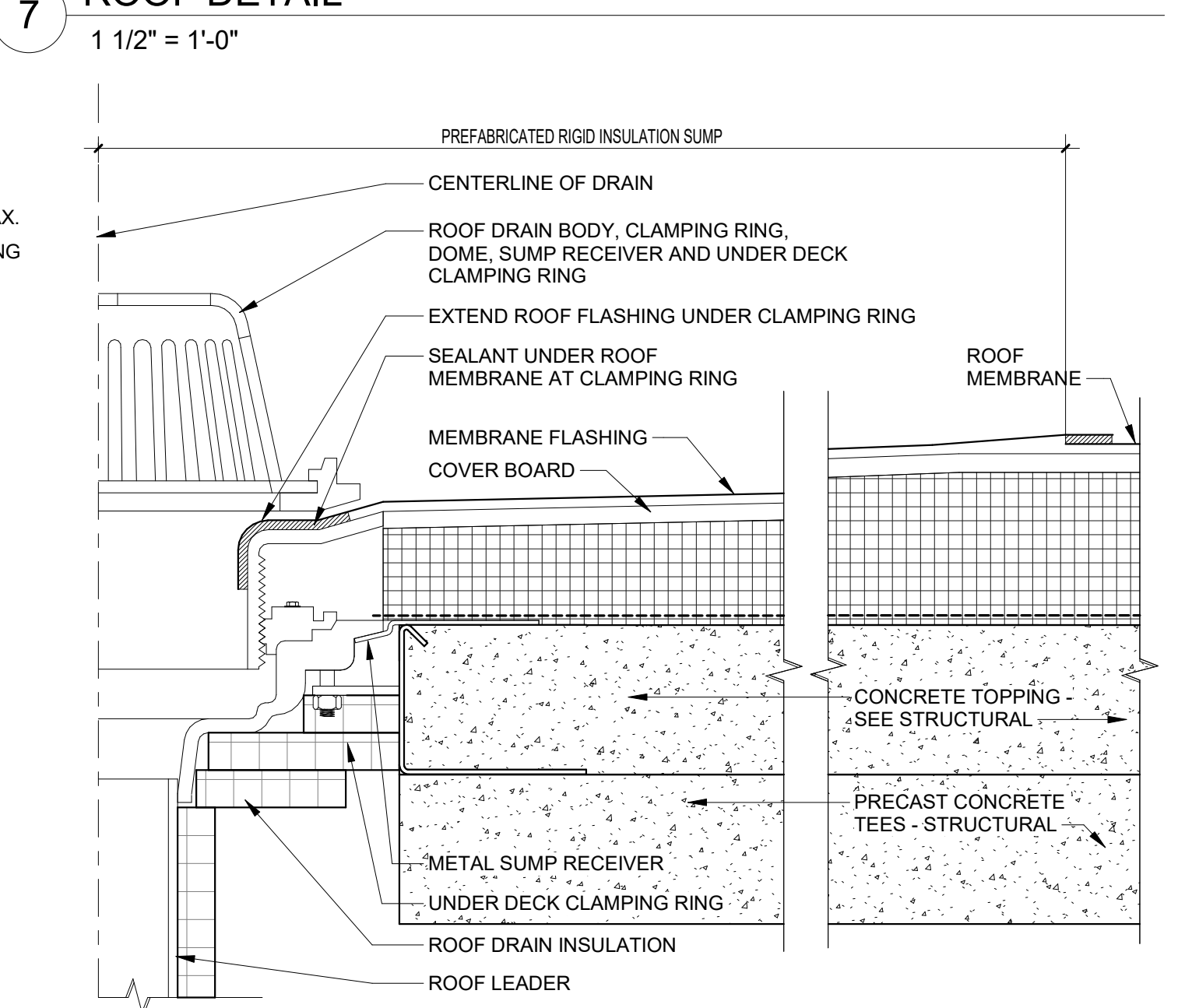
20 ROOF DETAIL
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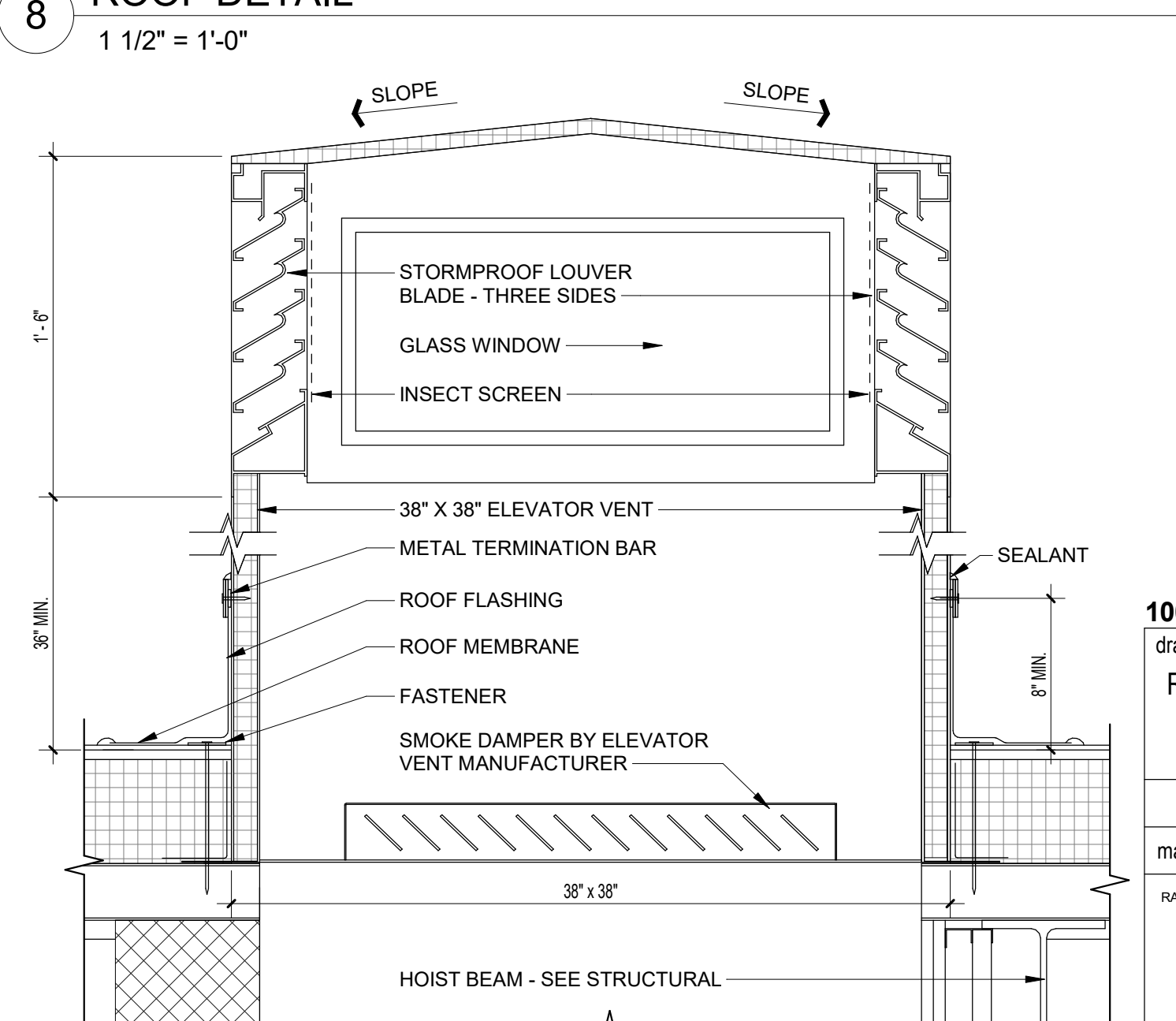
5 ROOF DETAIL
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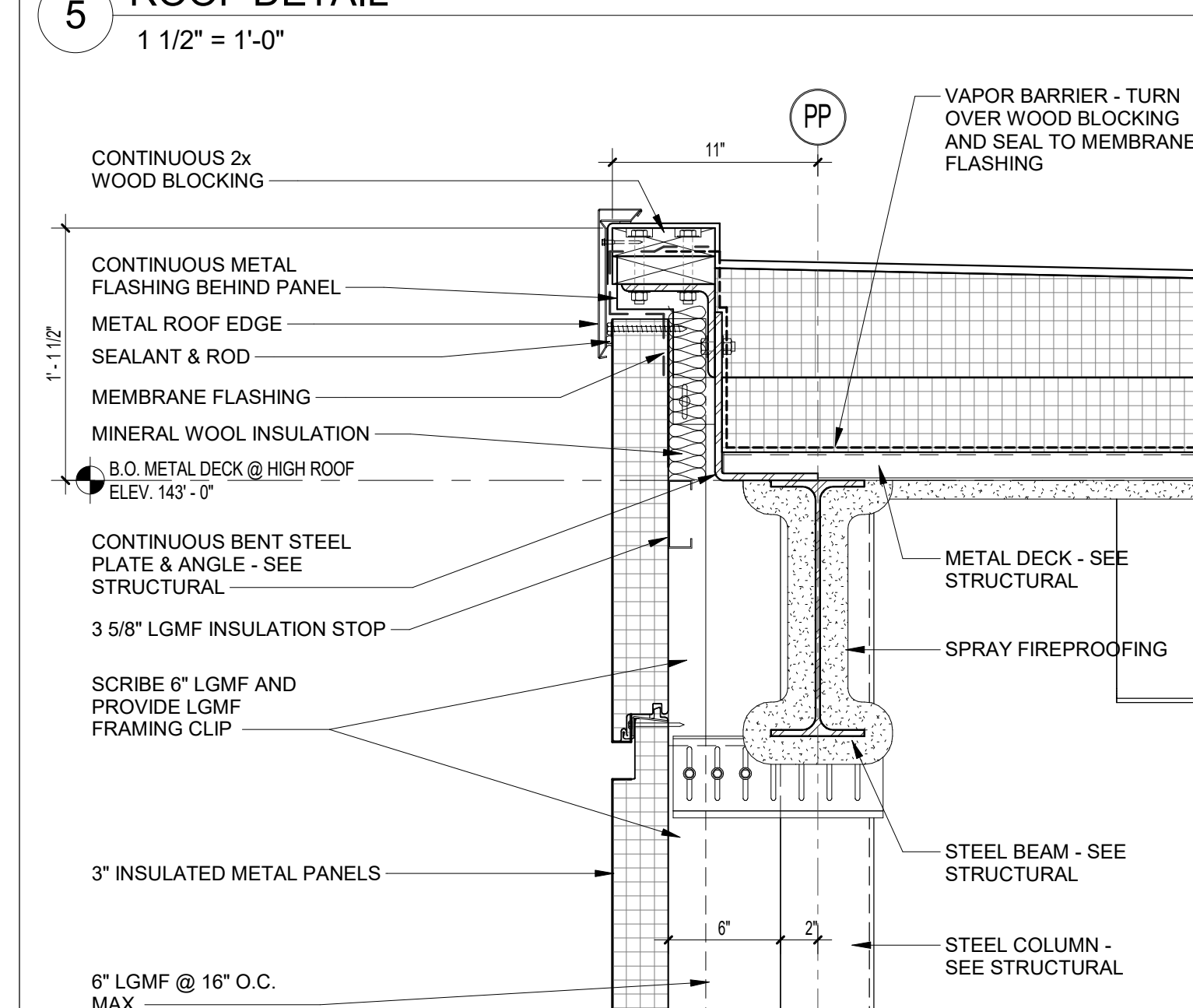
6 Roof Detail 42
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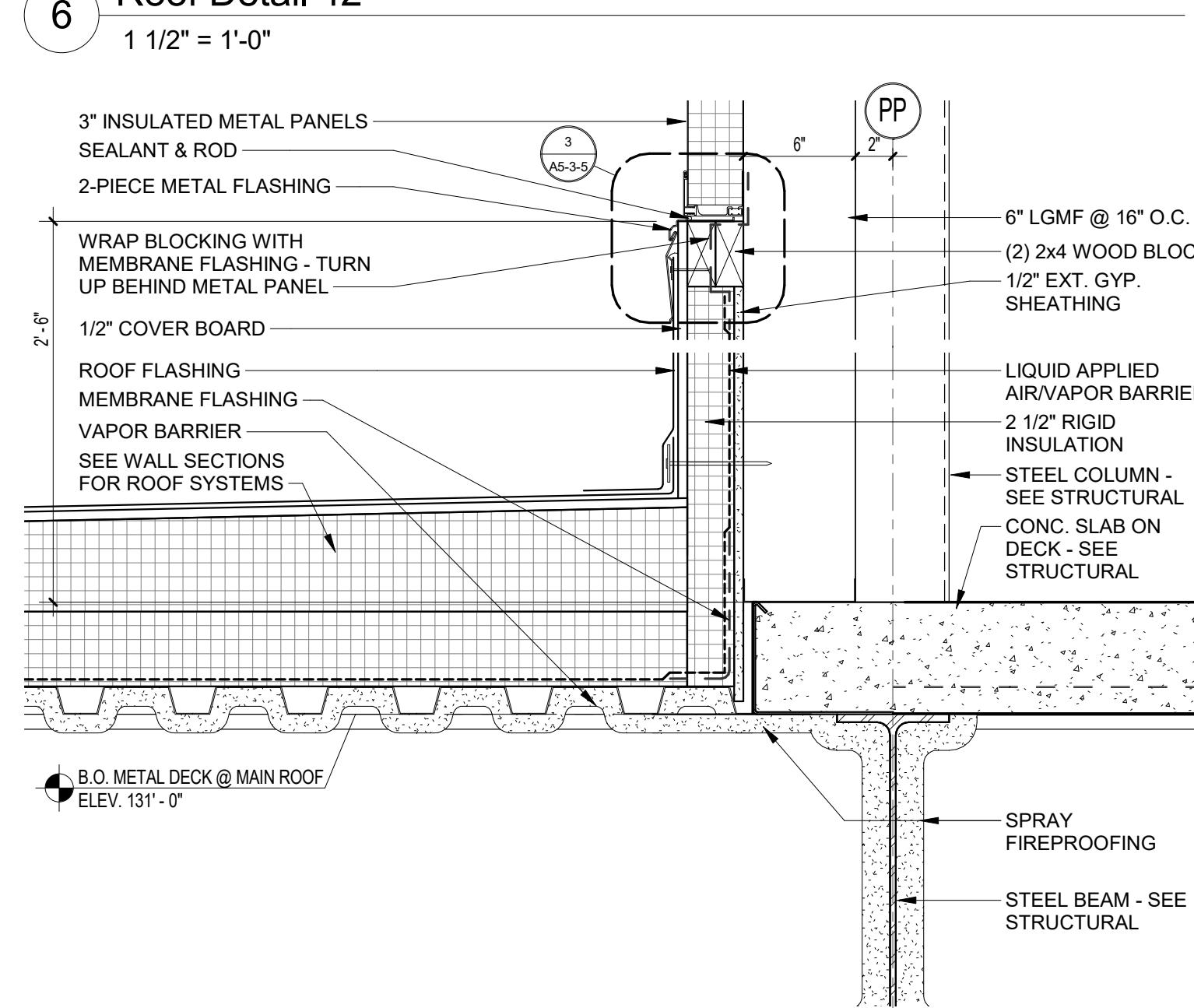
2 PRECAST ROOF DRAIN DETAIL
3" = 1'-0"



1 ELEVATOR HOISTWAY VENTILATOR
1 1/2" = 1'-0"



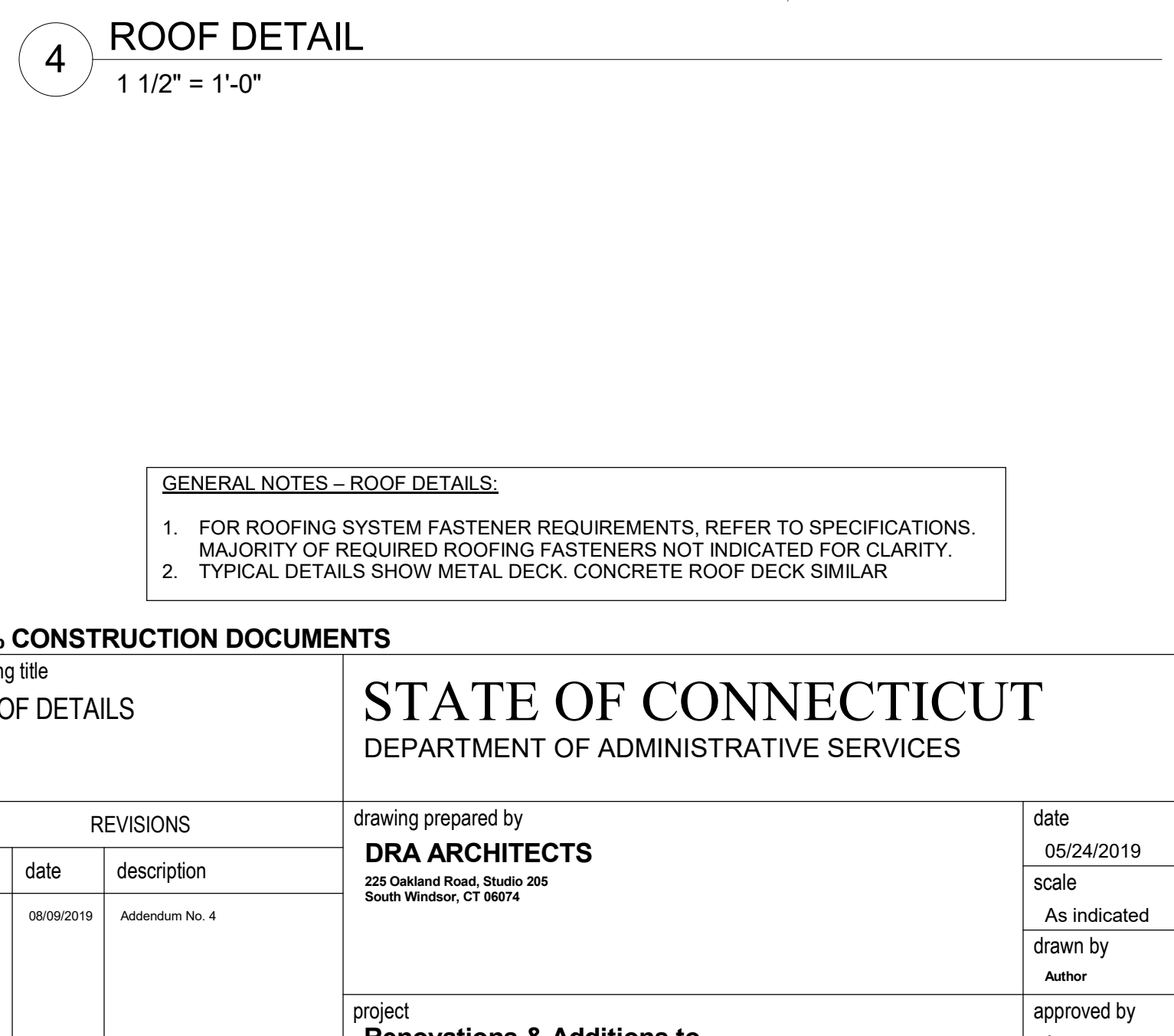
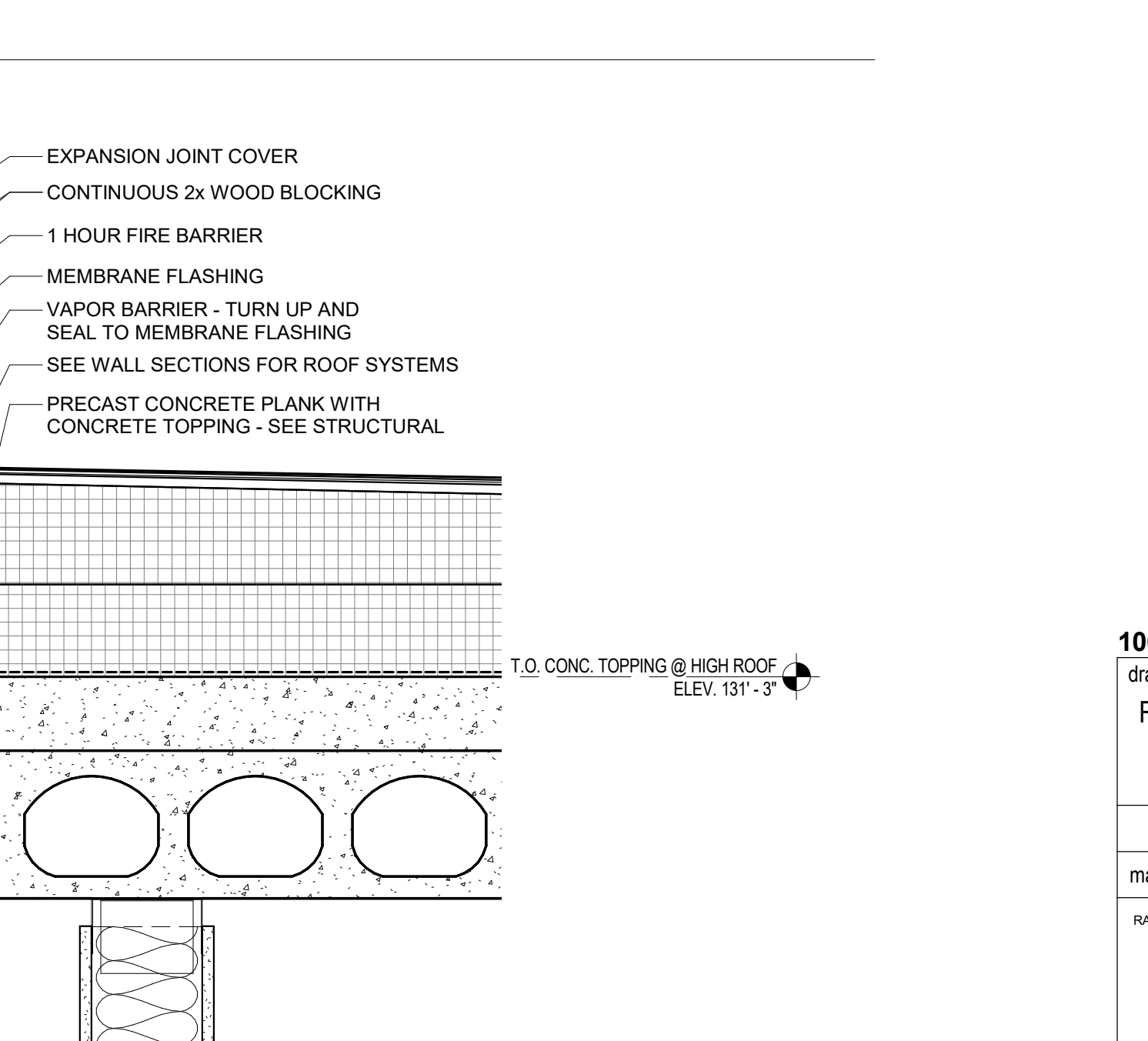
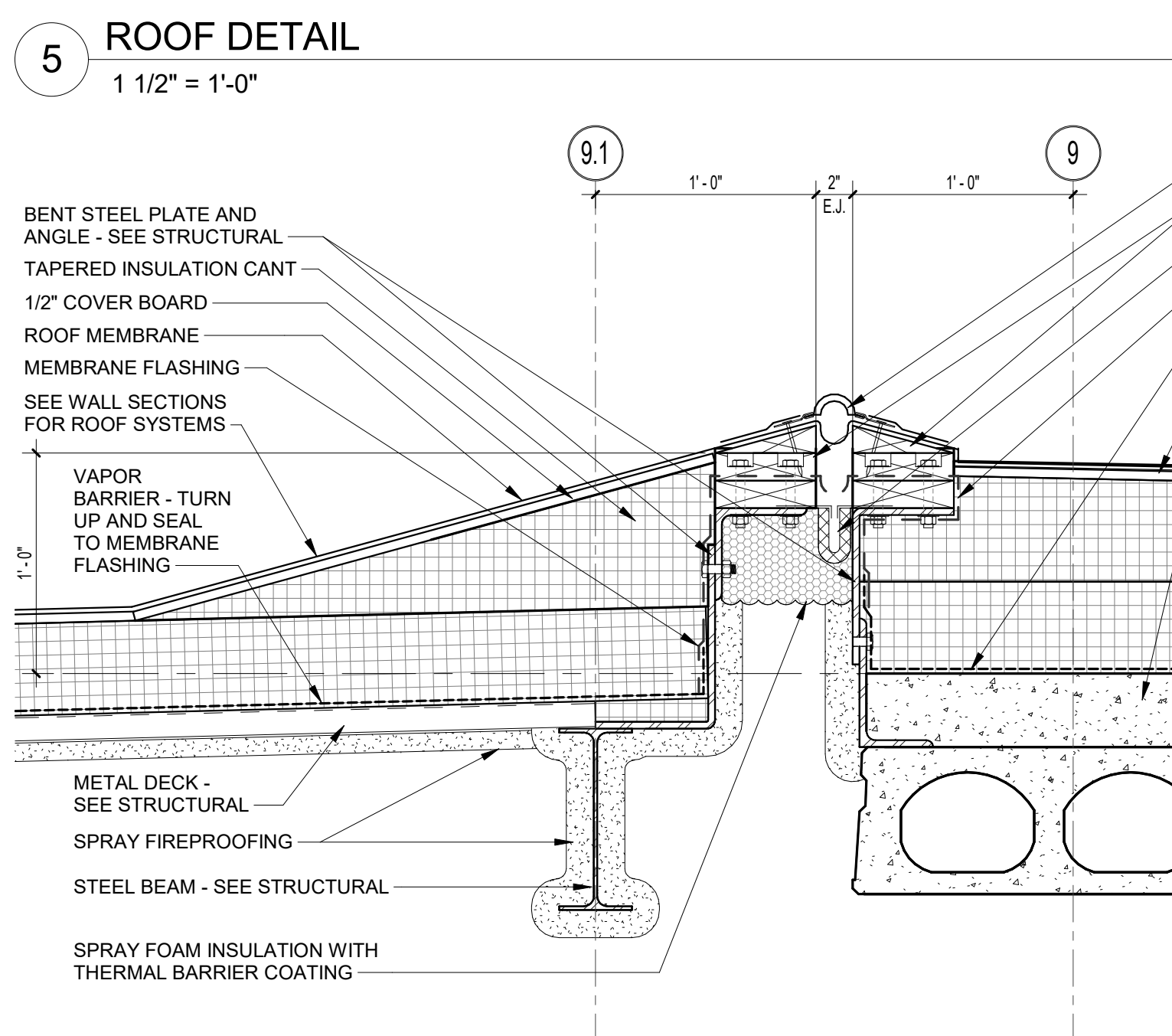
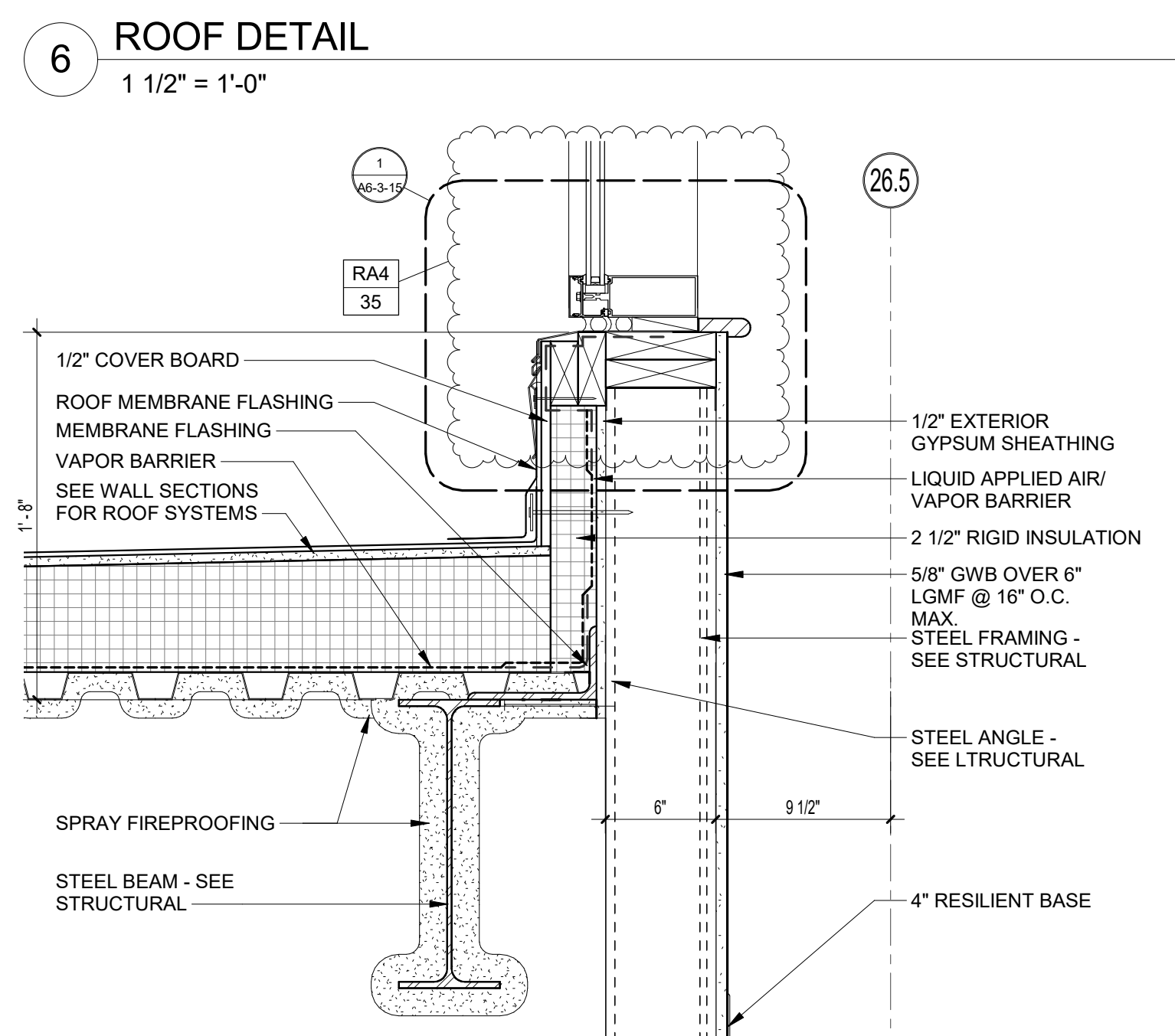
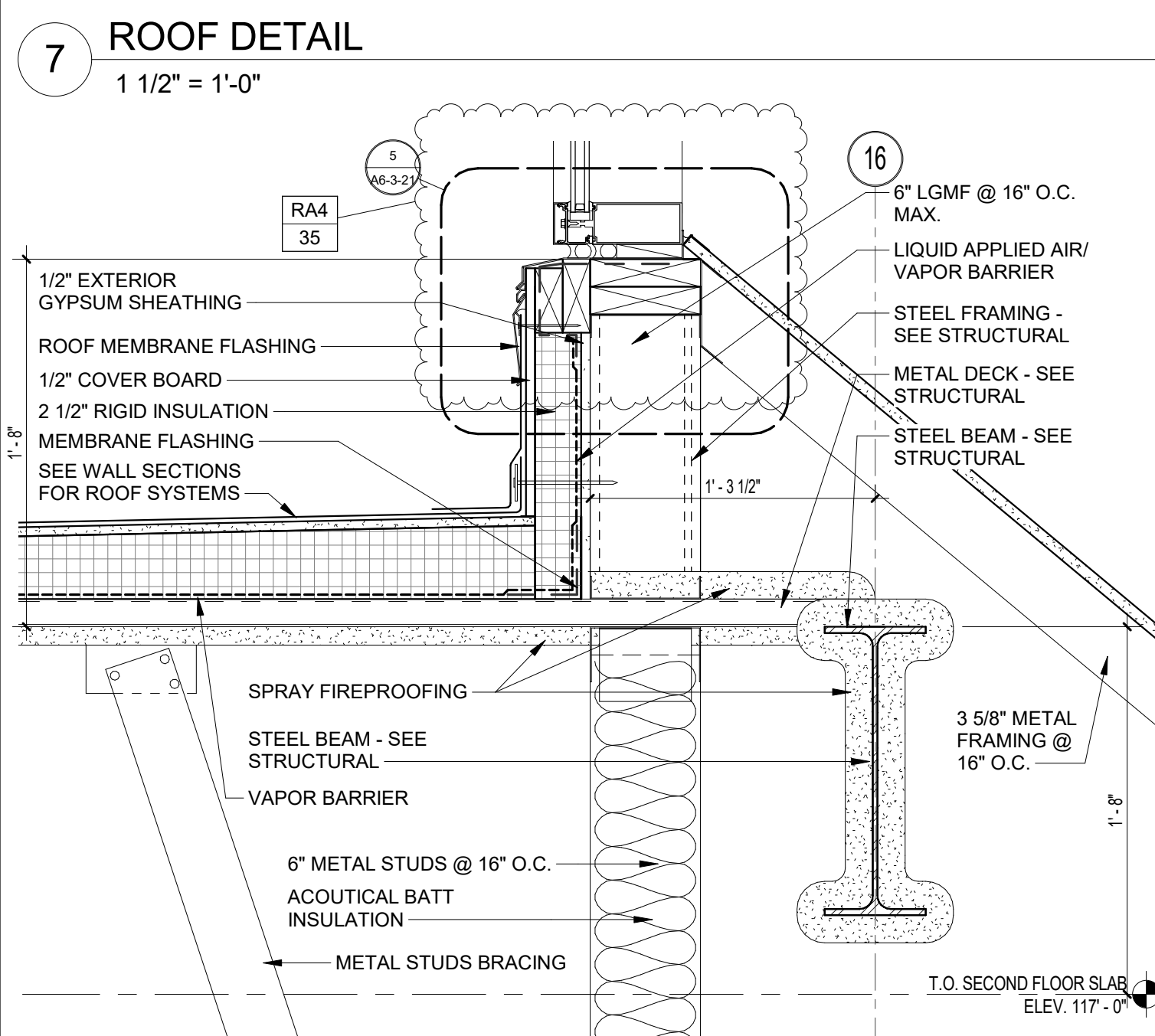
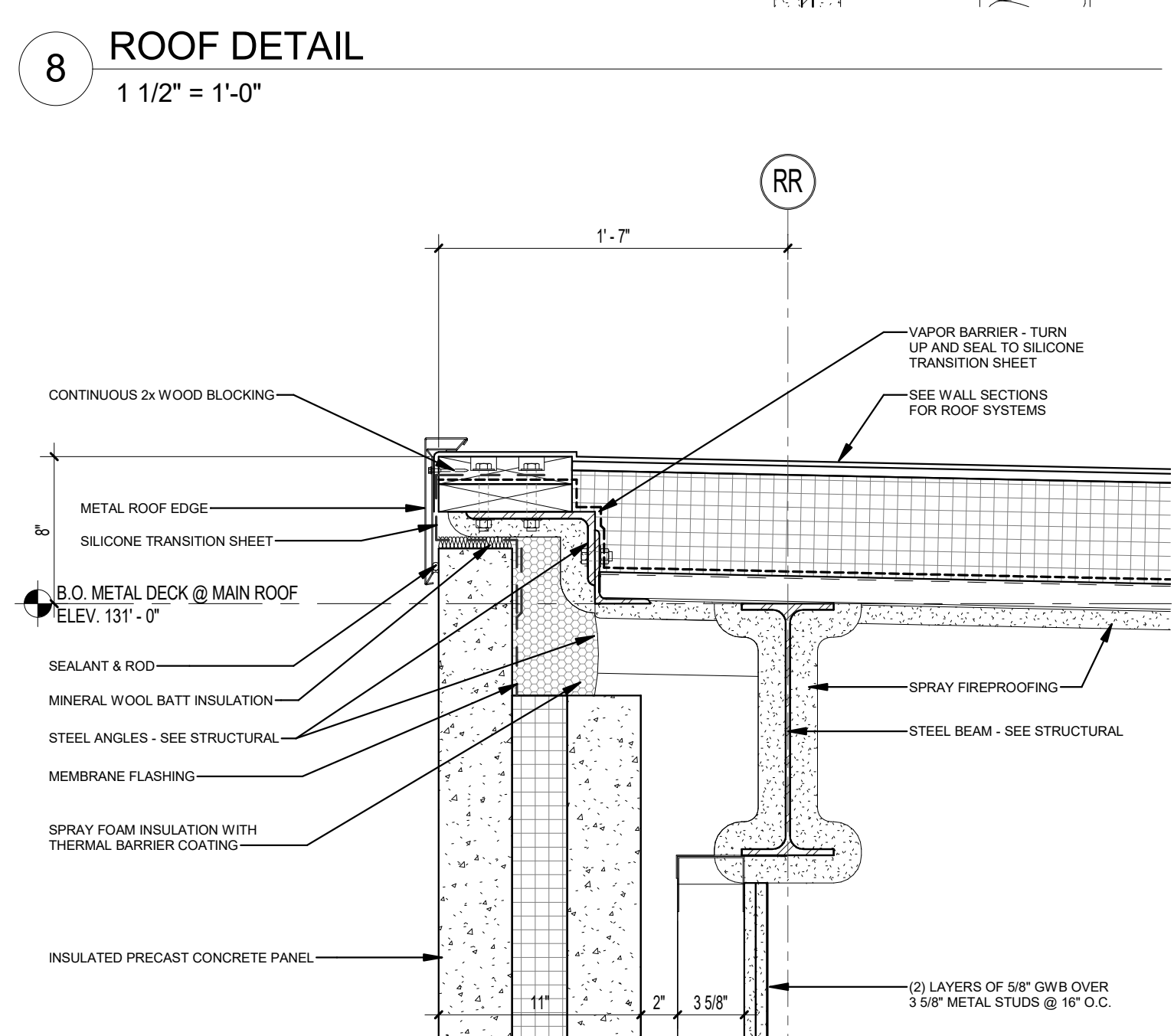
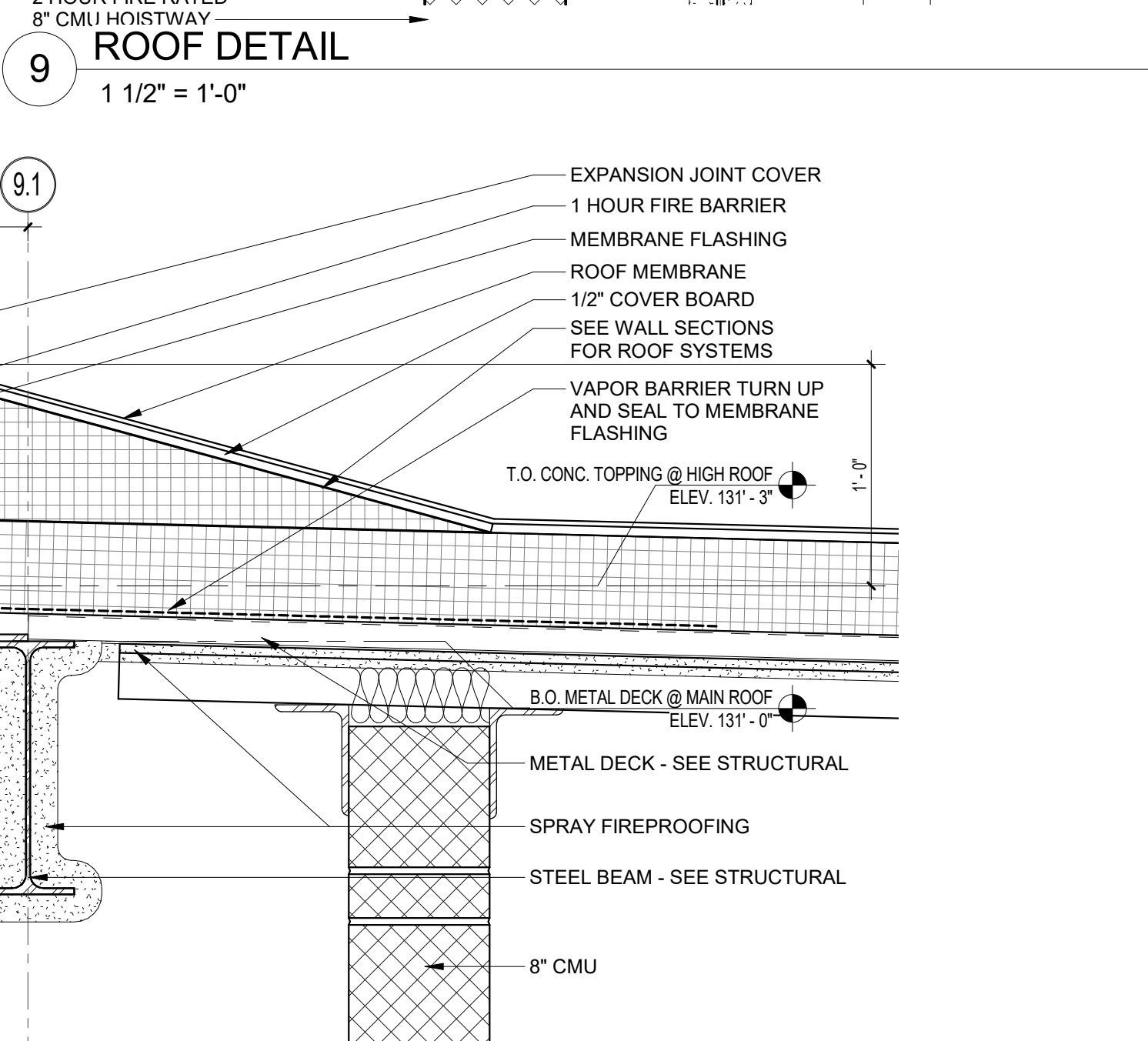
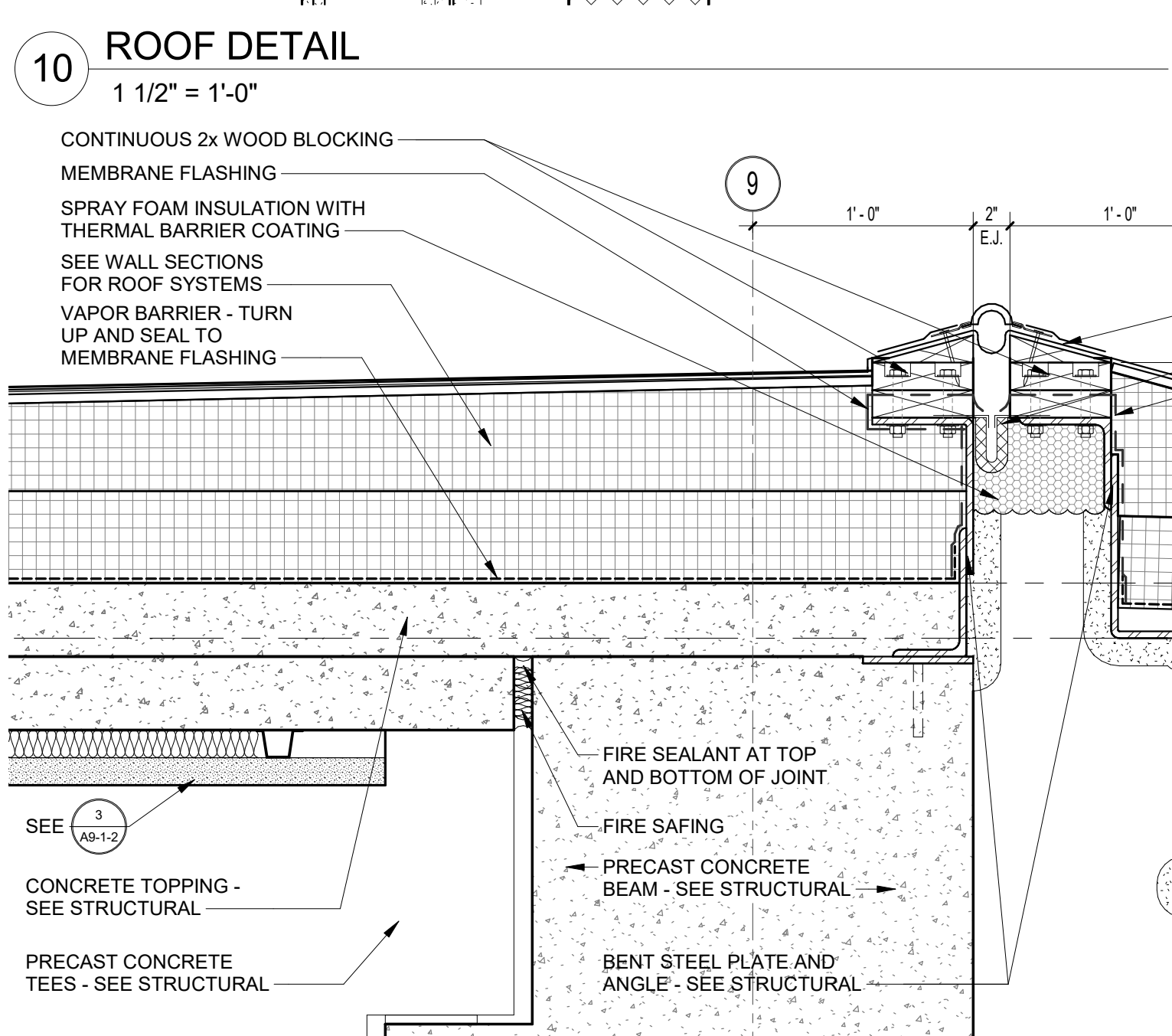
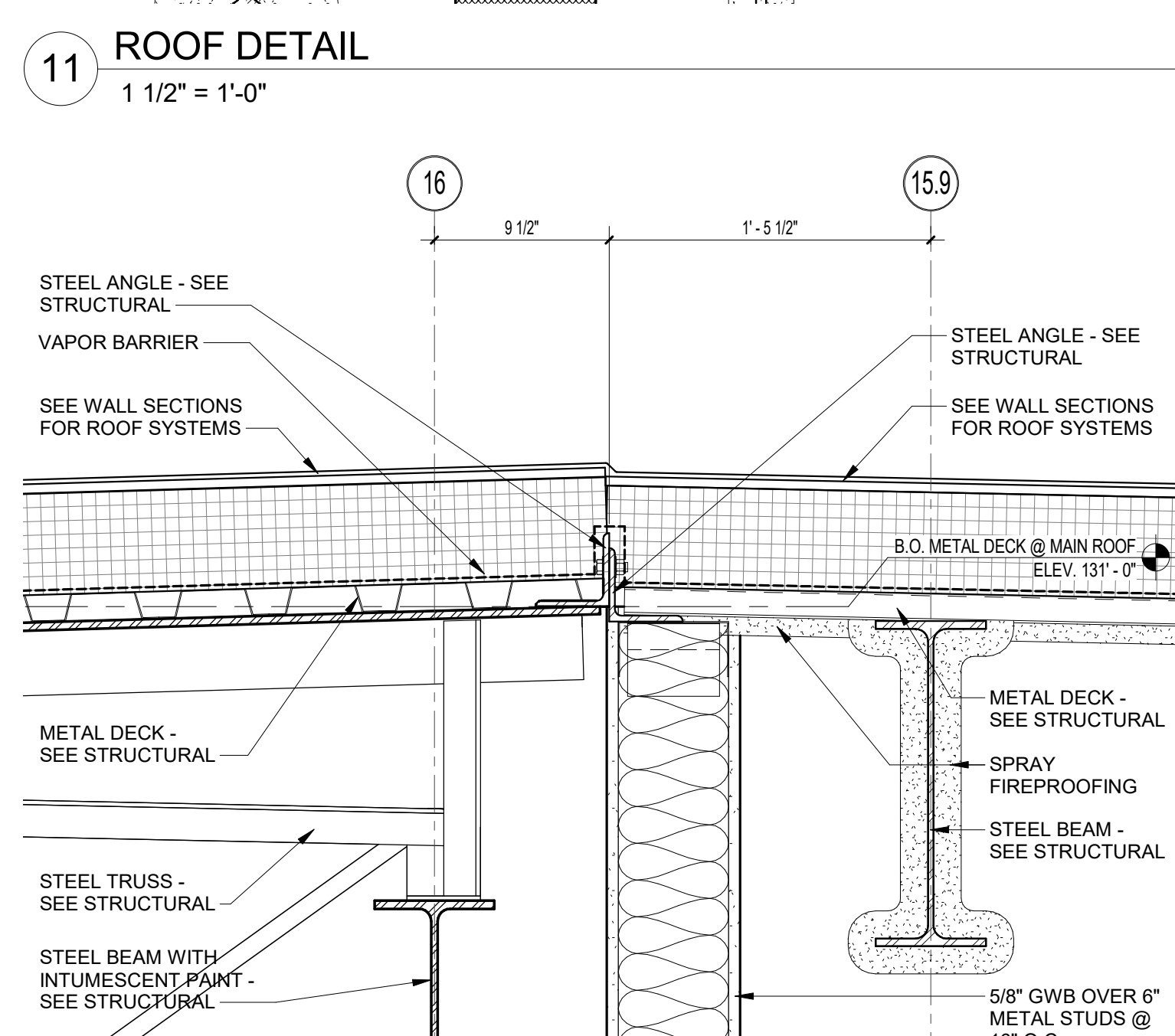
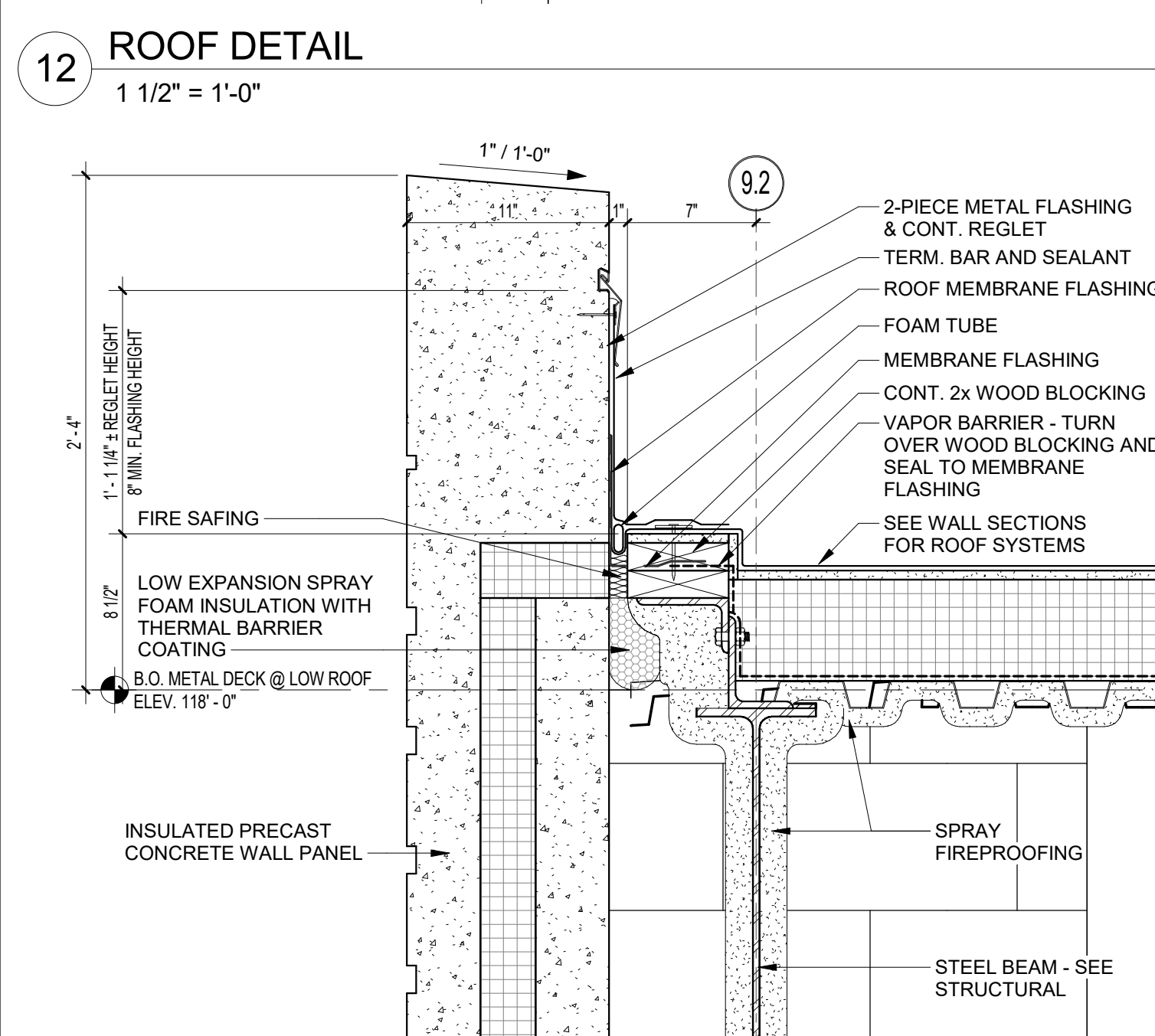
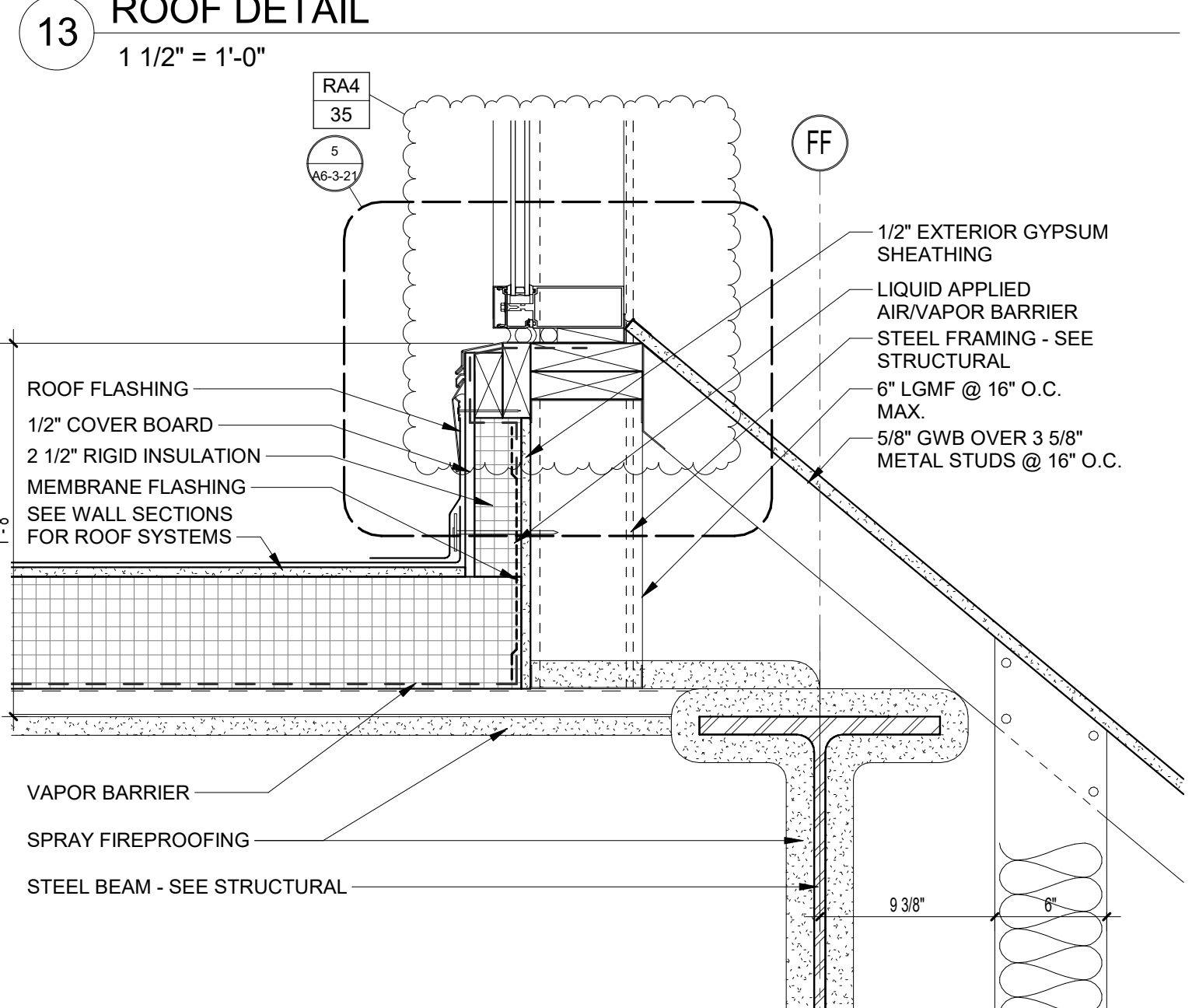
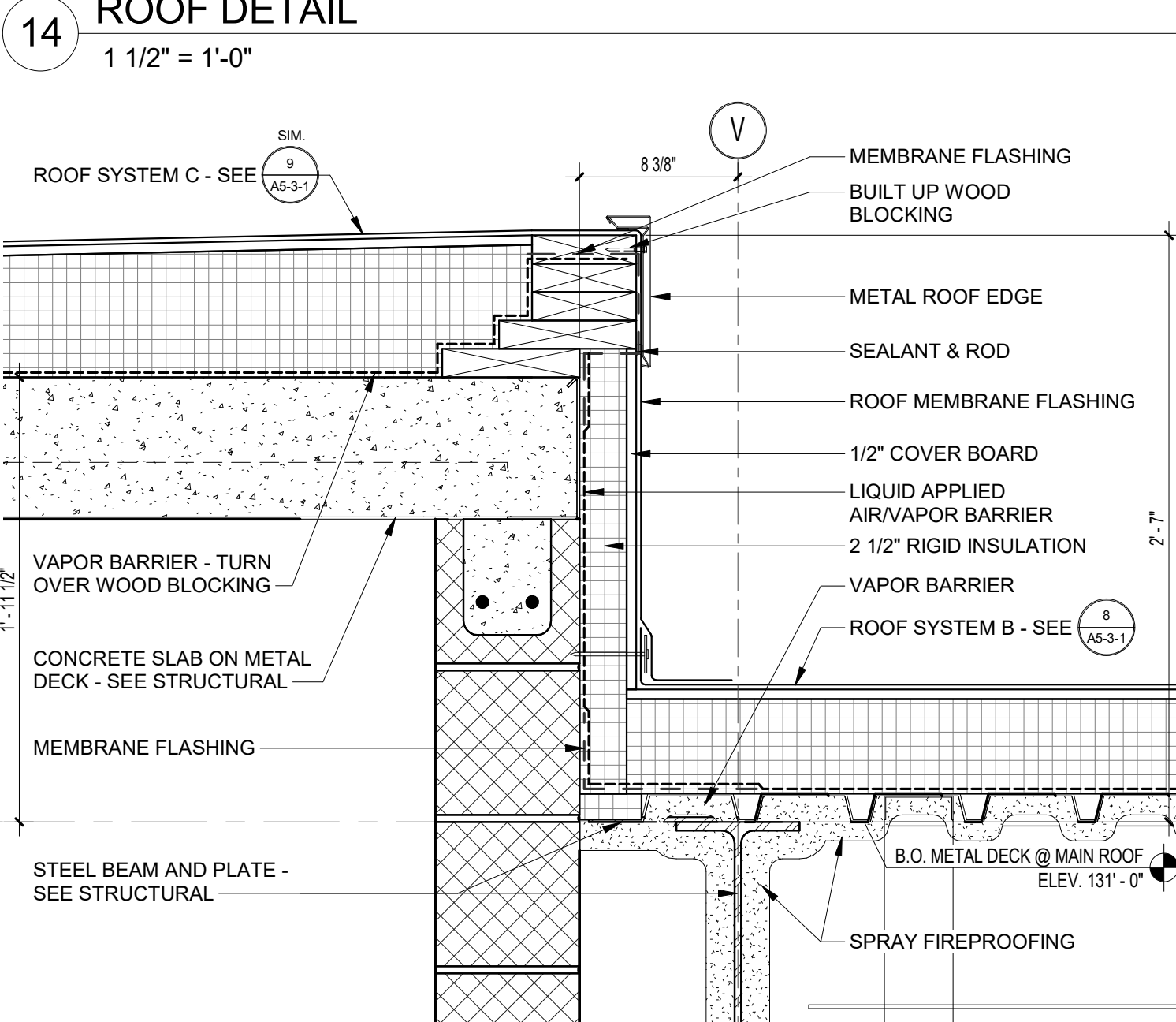
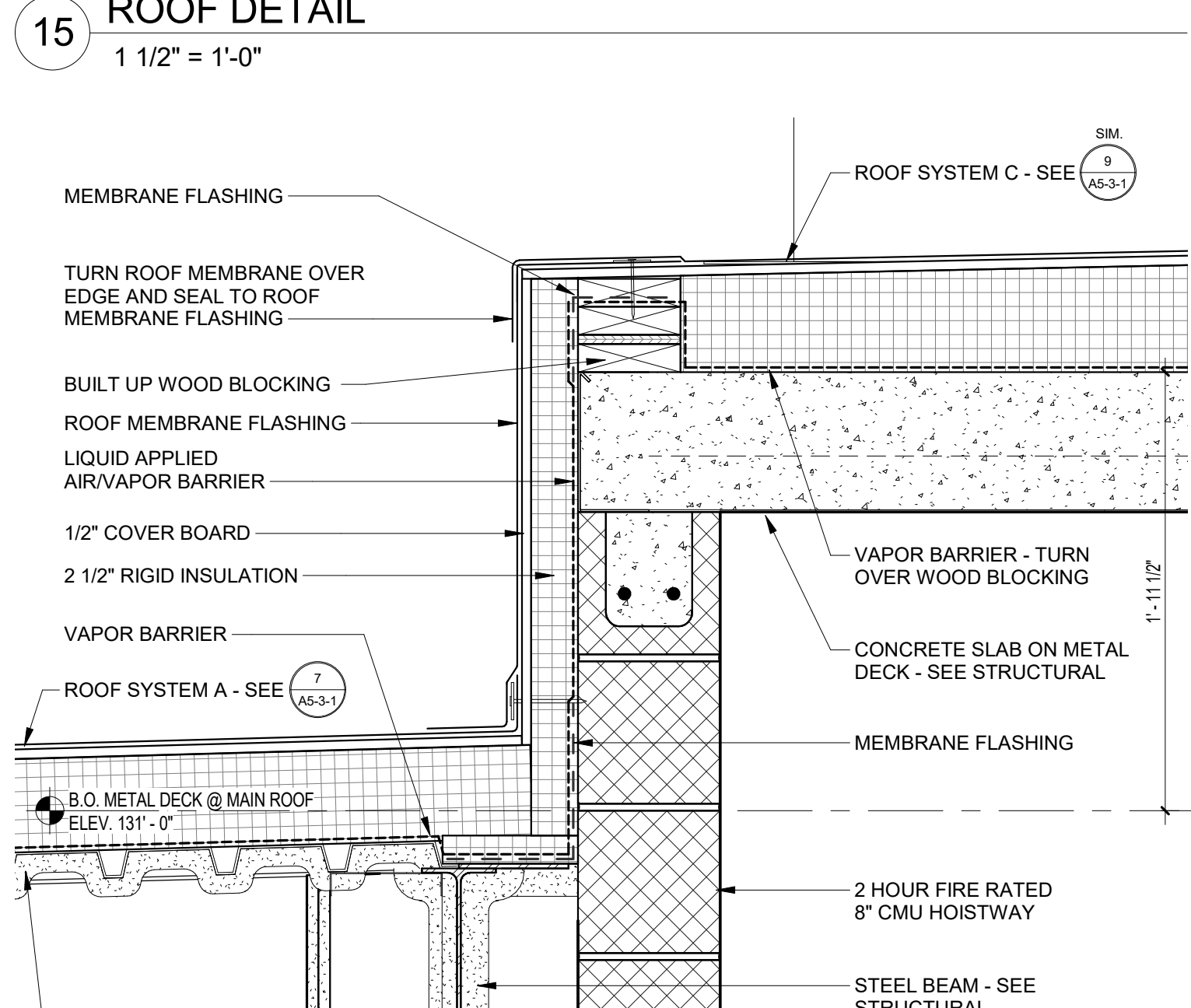
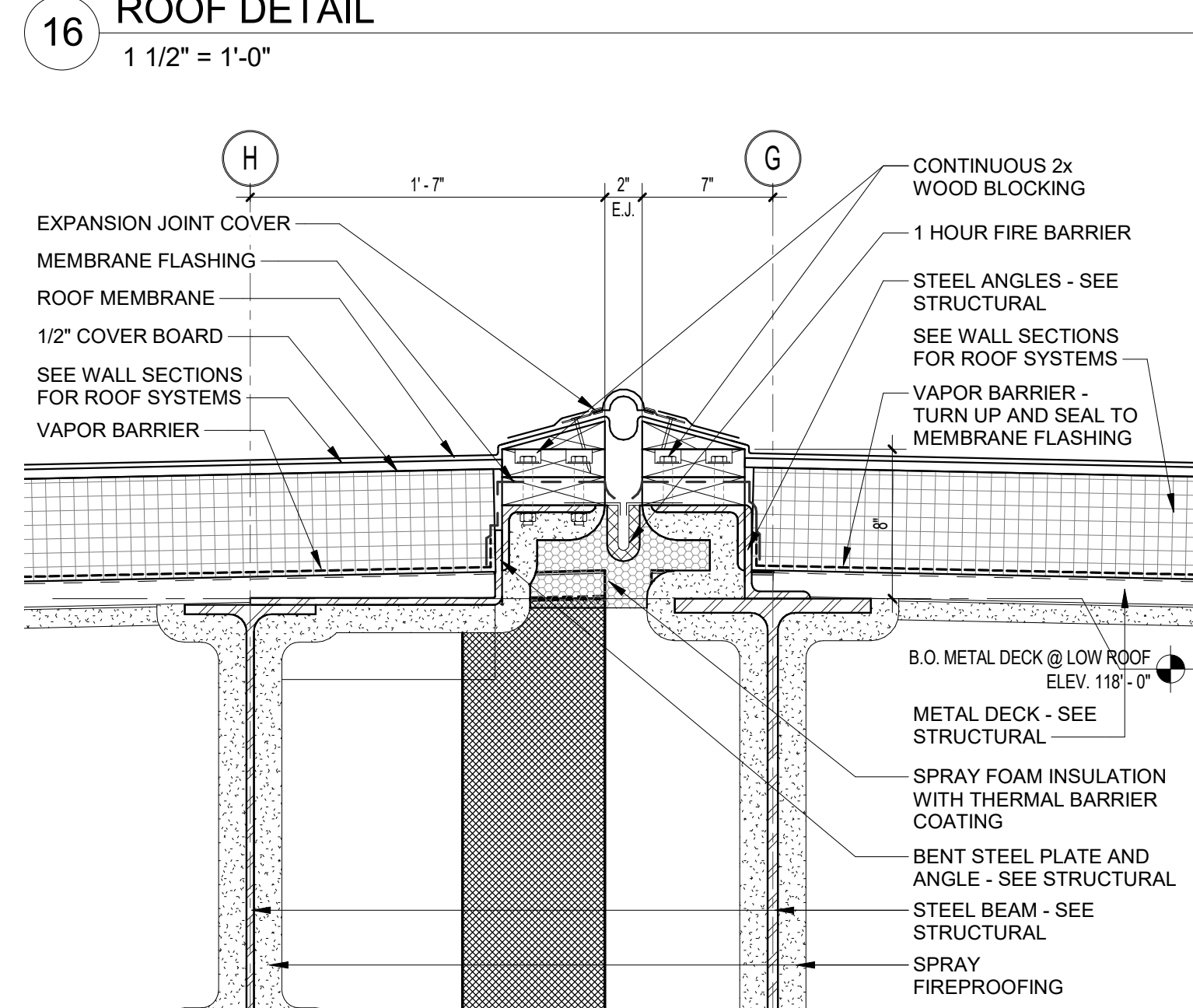
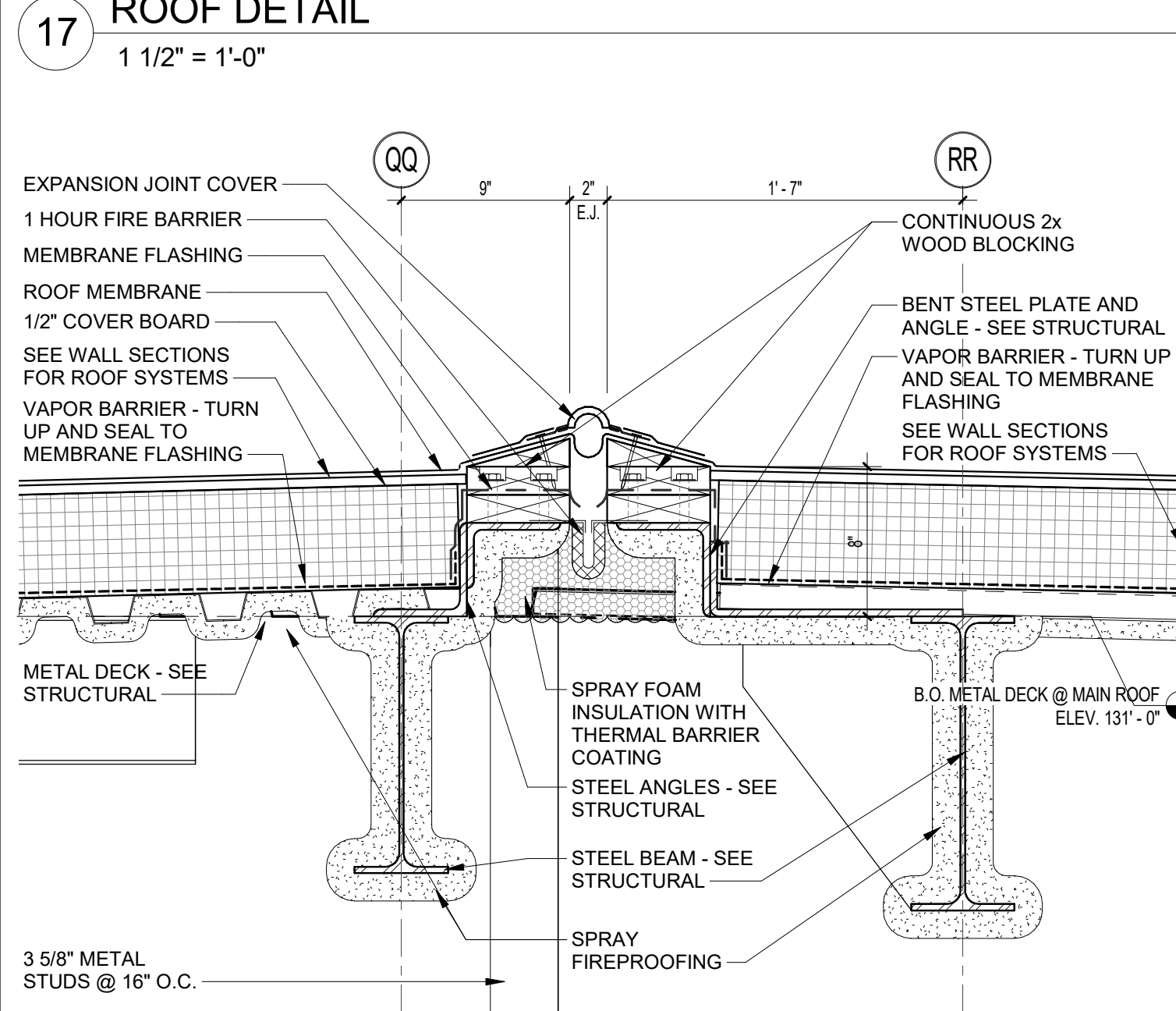
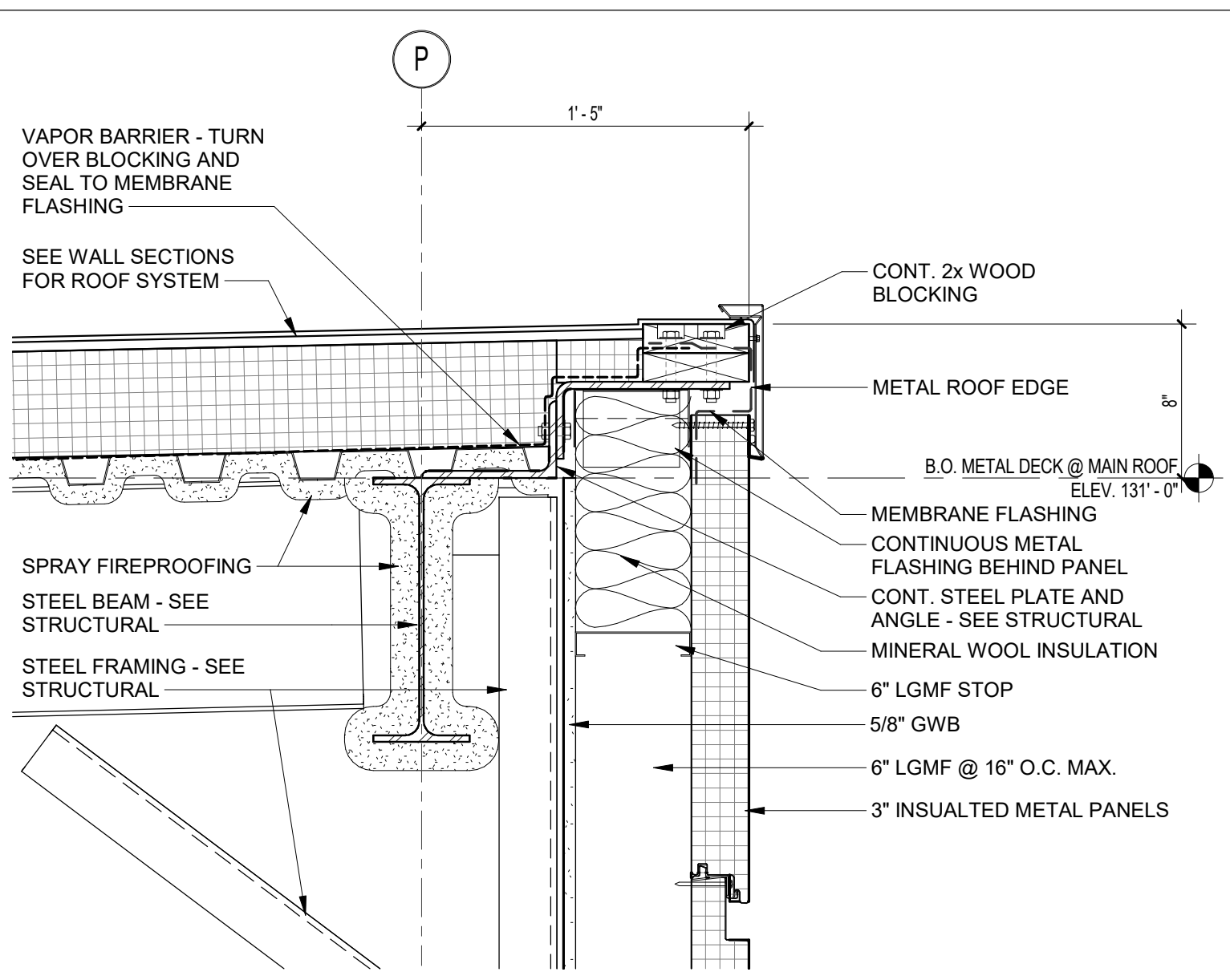
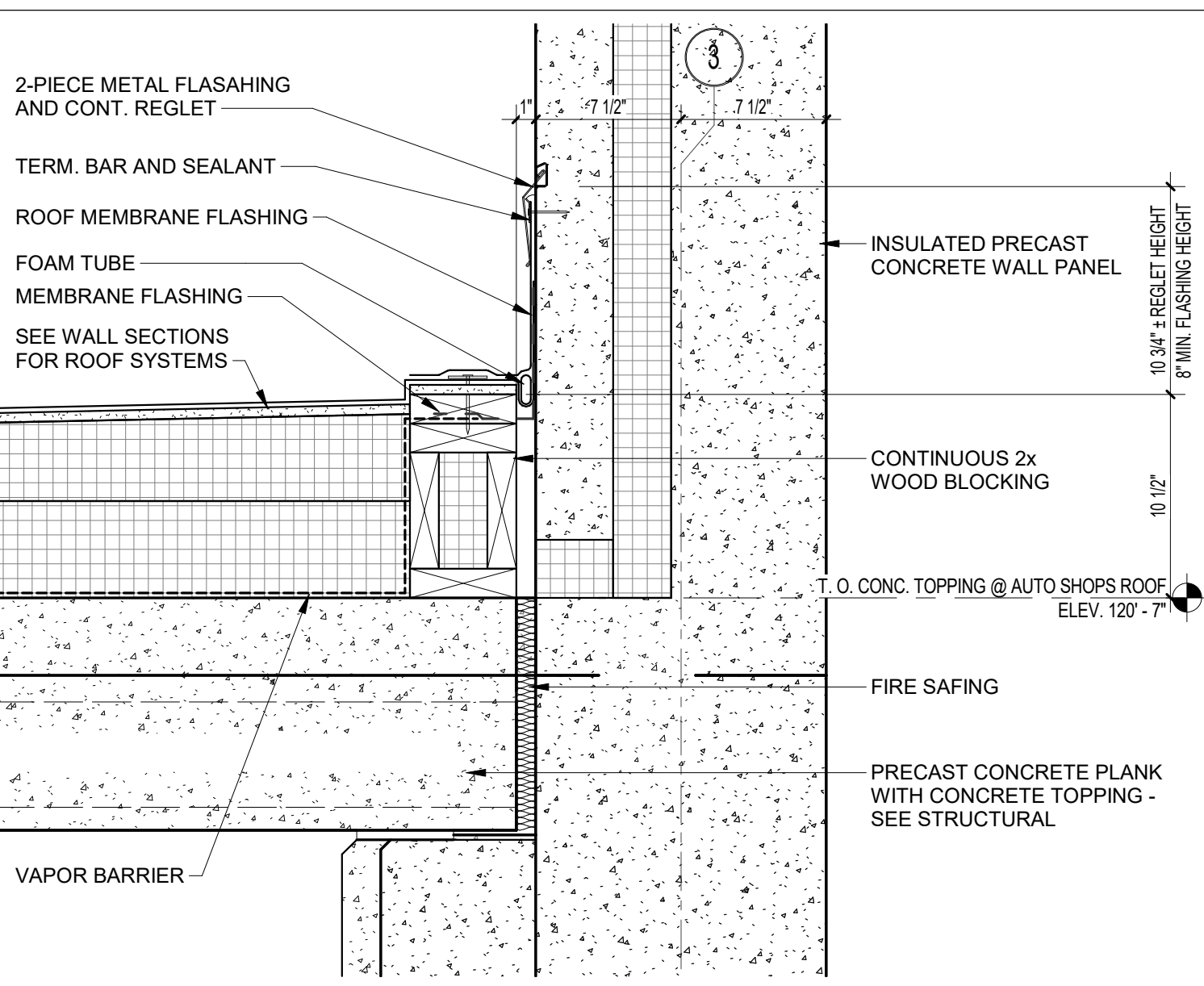
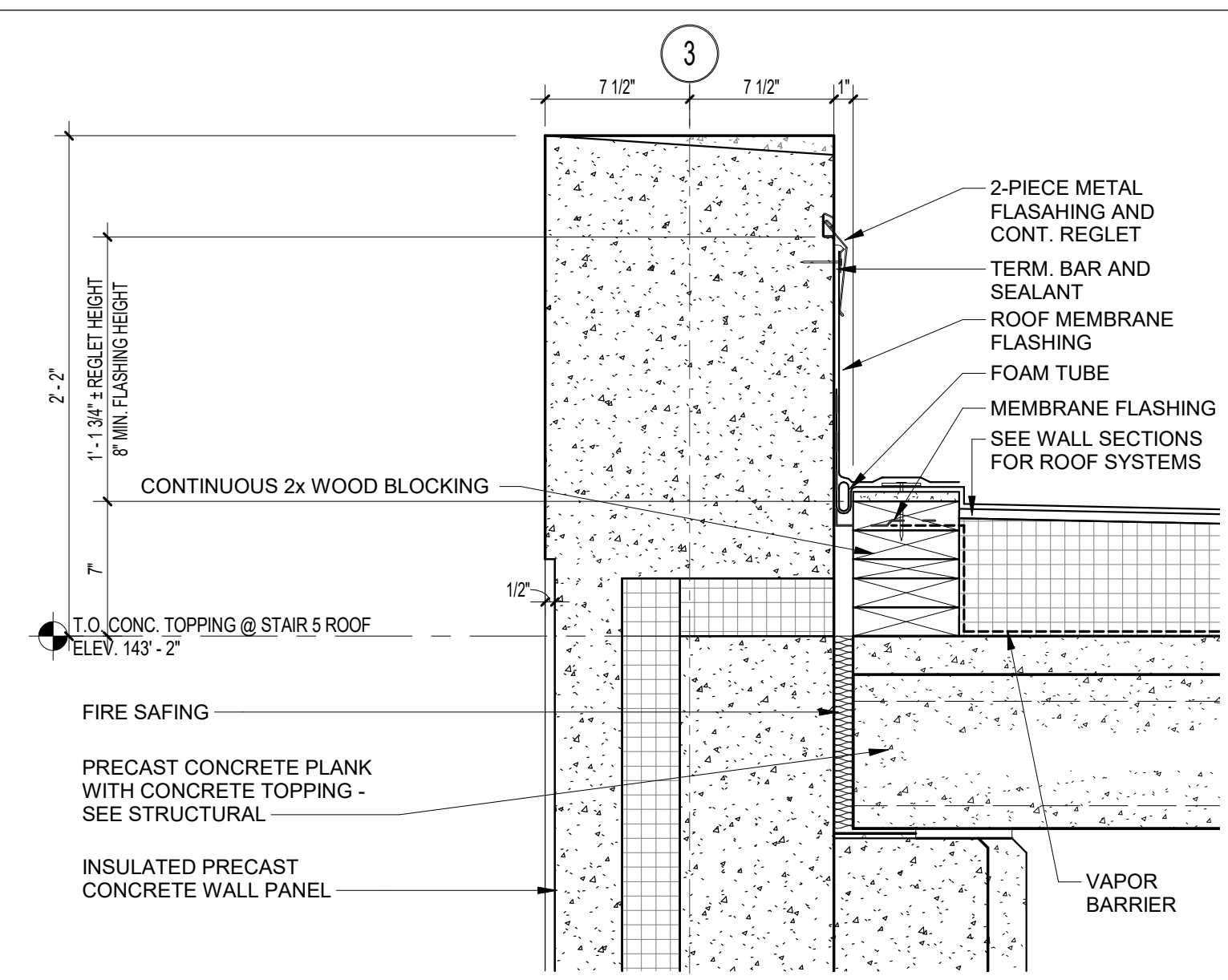
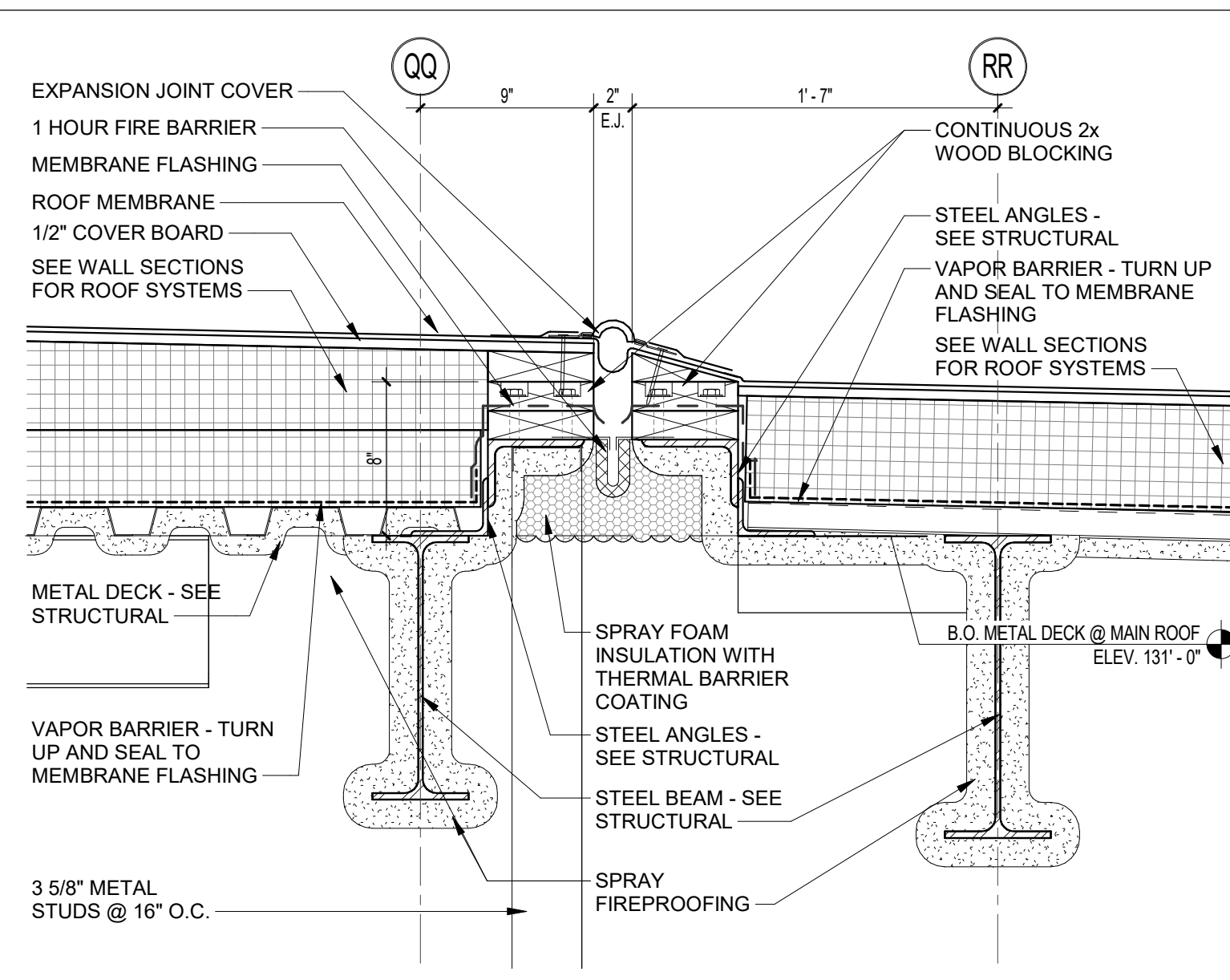
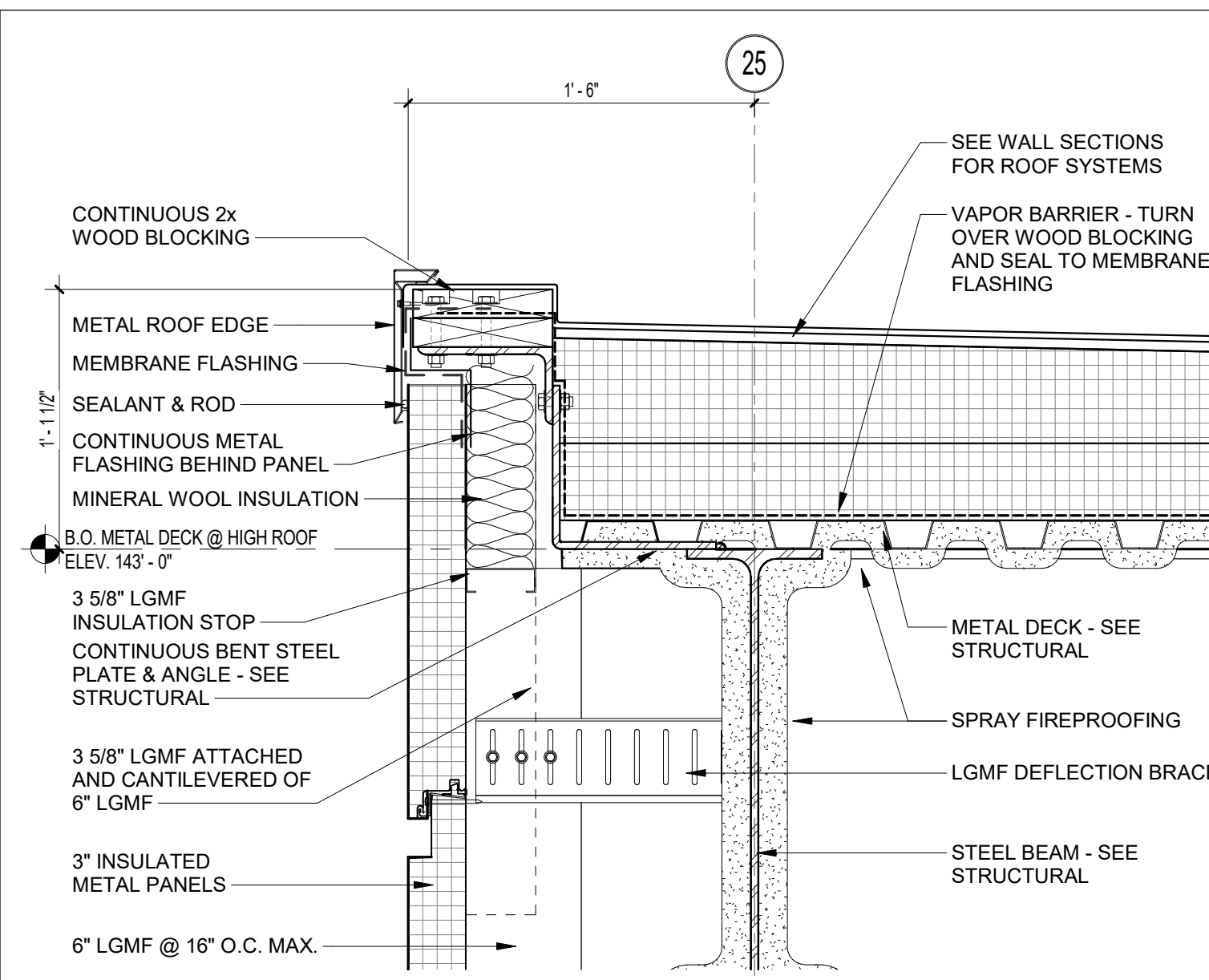
4 ROOF DETAIL
1 1/2" = 1'-0"



3 ROOF DETAIL
1 1/2" = 1'-0"

GENERAL NOTES - ROOF DETAILS:
1. FOR ROOFING SYSTEM FASTENER REQUIREMENTS, REFER TO SPECIFICATIONS. MAJORITY OF REQUIRED ROOFING FASTENERS NOT INDICATED FOR CLARITY.
2. TYPICAL DETAILS SHOW METAL DECK. CONCRETE ROOF DECK SIMILAR.

100% CONSTRUCTION DOCUMENTS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
drawing title ROOF DETAILS		drawing prepared by DRA ARCHITECTS 220 Colman Road, Suite 200 South Windsor, CT 06074	
date 08/09/2019		date 05/24/2019	
revision Addendum No. 4		description As Indicated	
drawing no. A5-3-2		approved by Author	
CAD no. DCS project no. BLRT-076 CM-R		approved by Approver	
OSGCR project no. 900-0013		drawing no. A5-3-2	



GENERAL NOTES - ROOF DETAILS:
 1. FOR ROOFING SYSTEM FASTENER REQUIREMENTS, REFER TO SPECIFICATIONS. MAJORITY OF REQUIRED ROOFING FASTENERS NOT INDICATED FOR CLARITY.
 2. TYPICAL DETAILS SHOW METAL DECK - CONCRETE ROOF DECK SIMILAR

100% CONSTRUCTION DOCUMENTS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
drawing title ROOF DETAILS		drawing prepared by DRA ARCHITECTS 220 Salem Road, Ste 200 South Windsor, CT 06074	
date 08/09/2019		date 05/24/2019	
revision no. 4		author As Indicated	
description Addendum No. 4		approved by [Signature]	
project Renovations & Additions to Platt Technical High School 400 Orange Avenue, Milford, CT 06461		drawing no. A5-3-4	
CAD no.	DCS project no. BLRT-076 CM-R	OSGCR project no. 900-0013	

SCHEDULES FOR OPENINGS

OPENING NUMBER	SHEET NUMBER	DOORS			FRAMES			FIRE RATING	HARDWARE - SEE SPECIFICATIONS										REMARKS / NOTES					
		SINGLE DOOR LEAF	DOUBLE DOOR LEAF	ACTIVE LEAF	INACTIVE LEAF	HEIGHT	THICKNESS		HANDING	SEE DWG		FIRE CODE	DISABLED REQUIREMENTS		HARDWARE									
										DOOR MATERIAL	DOOR TYPE		FRAME MATERIAL	FRAME TYPE	HEAD DETAIL	JAMB DETAIL	SILL/THRESHOLD DETAIL	DIM "W"		PANIC RELEASE HARDWARE	POSITIVE LATCHING	AUTOMATIC CLOSING	ELECT. MAG. DOOR RELEASE	PUSH / PULL (INTERIOR OPENINGS)
A101.1	A1-1-1A	3'-0"	8'-0"	2"	ALUM	AL2	ALUM	CW3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RA4

NEW WORK
 ○ EXISTING
 ETR EXISTING TO REMAIN
 AC ACOUSTICAL GASKET
 SM SMOKE GASKET
 IG INSULATED SAFETY GLASS
 SG SAFETY GLASS
 TG TEMPERED GLASS

SCHEDULES FOR OPENINGS

OPENING NUMBER	SHEET NUMBER	DOORS			FRAMES			FIRE RATING	HARDWARE - SEE SPECIFICATIONS										REMARKS / NOTES					
		SINGLE DOOR LEAF	DOUBLE DOOR LEAF	ACTIVE LEAF	INACTIVE LEAF	HEIGHT	THICKNESS		HANDING	SEE DWG		FIRE CODE	DISABLED REQUIREMENTS		HARDWARE									
										DOOR MATERIAL	DOOR TYPE		FRAME MATERIAL	FRAME TYPE	HEAD DETAIL	JAMB DETAIL	SILL/THRESHOLD DETAIL	DIM "W"		PANIC RELEASE HARDWARE	POSITIVE LATCHING	AUTOMATIC CLOSING	ELECT. MAG. DOOR RELEASE	PUSH / PULL (INTERIOR OPENINGS)
C141	A1-1-1C	3'-0"	7'-0"	1 3/4"	WD	F	MTL	1	8/A6-2.4	9/A6-2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	RA4

NEW WORK
 ○ EXISTING
 ETR EXISTING TO REMAIN
 AC ACOUSTICAL RATED
 SM SMOKE GASKET
 IG INSULATED SAFETY GLASS
 SG SAFETY GLASS
 TG TEMPERED GLASS

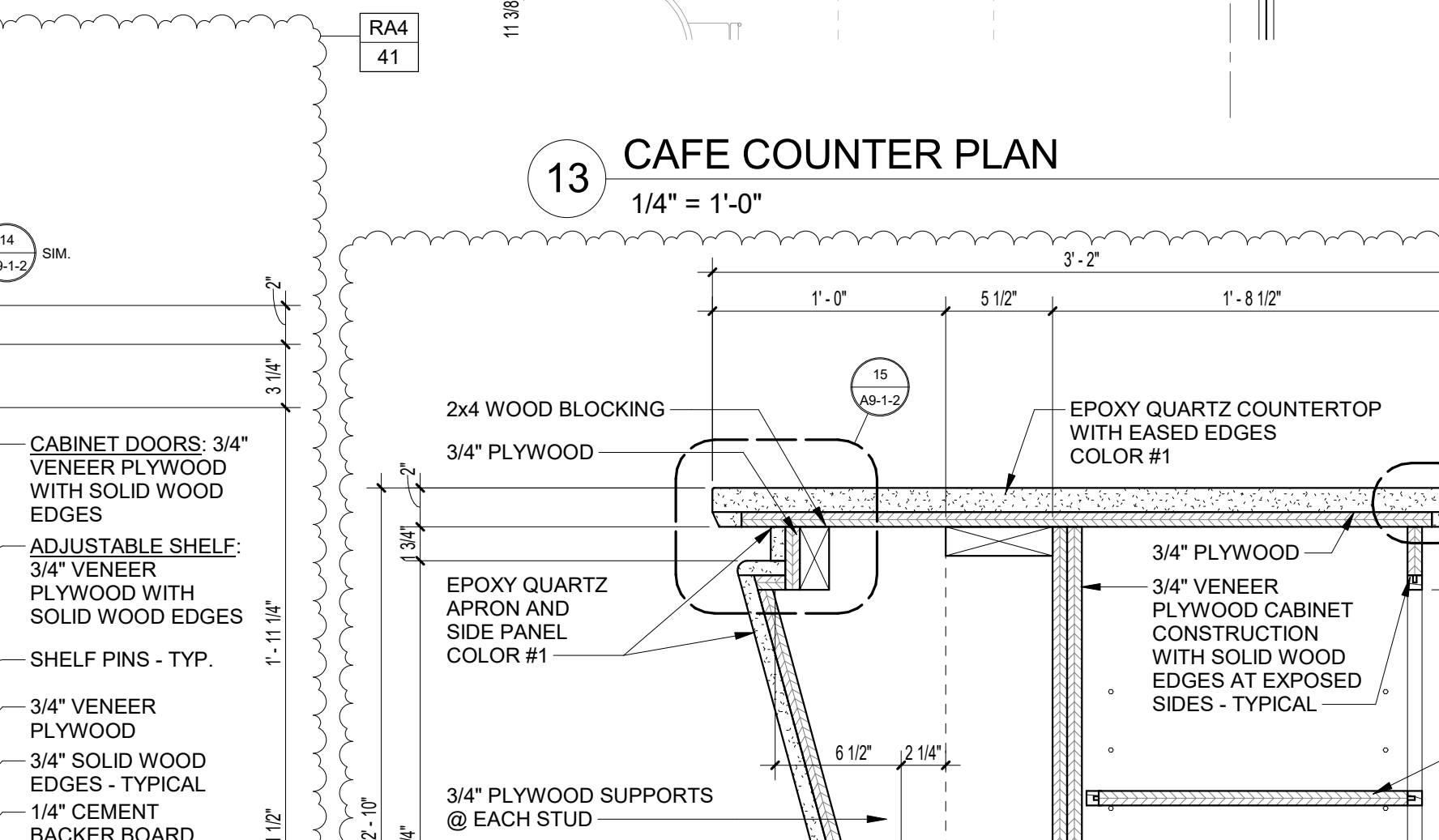
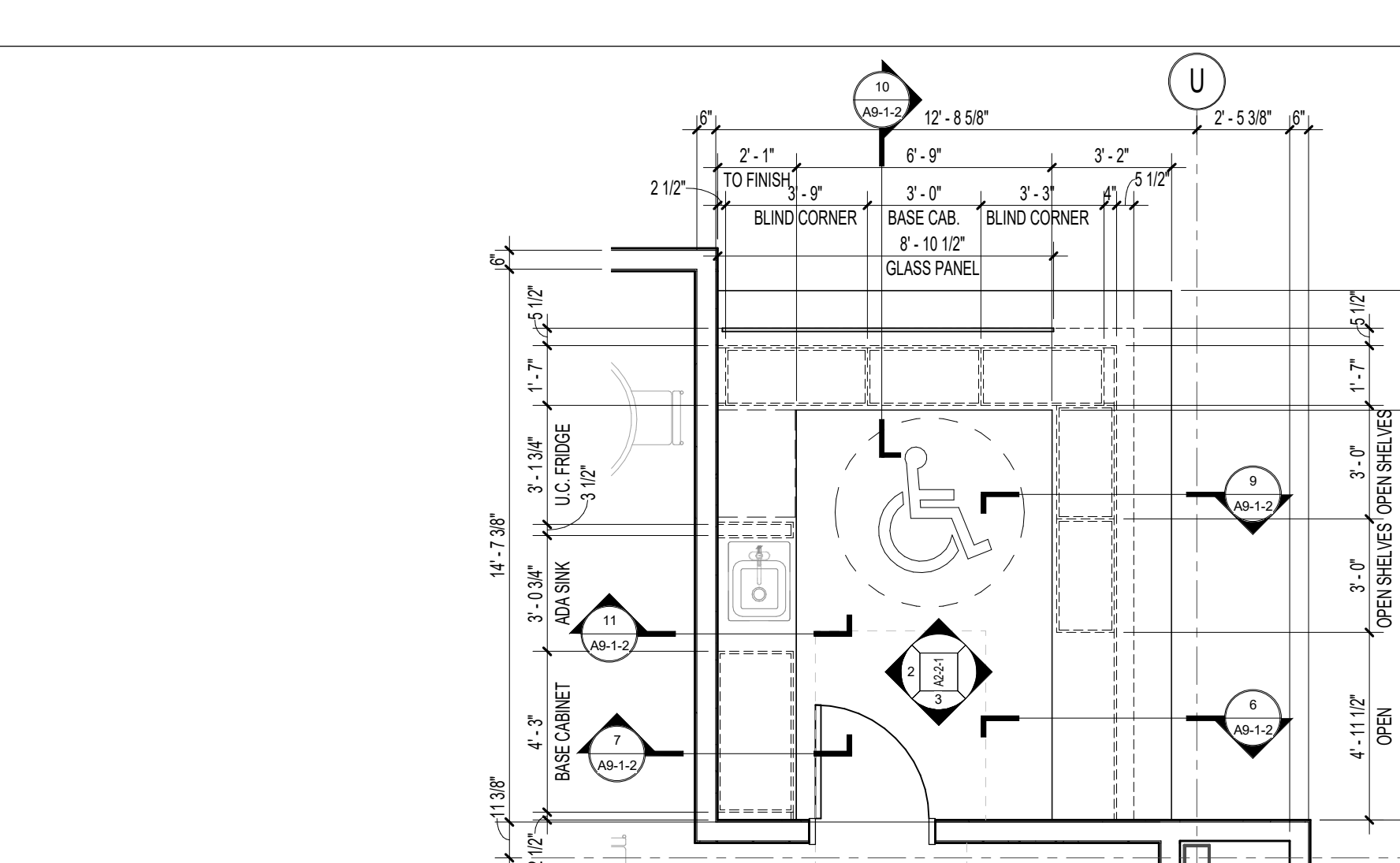
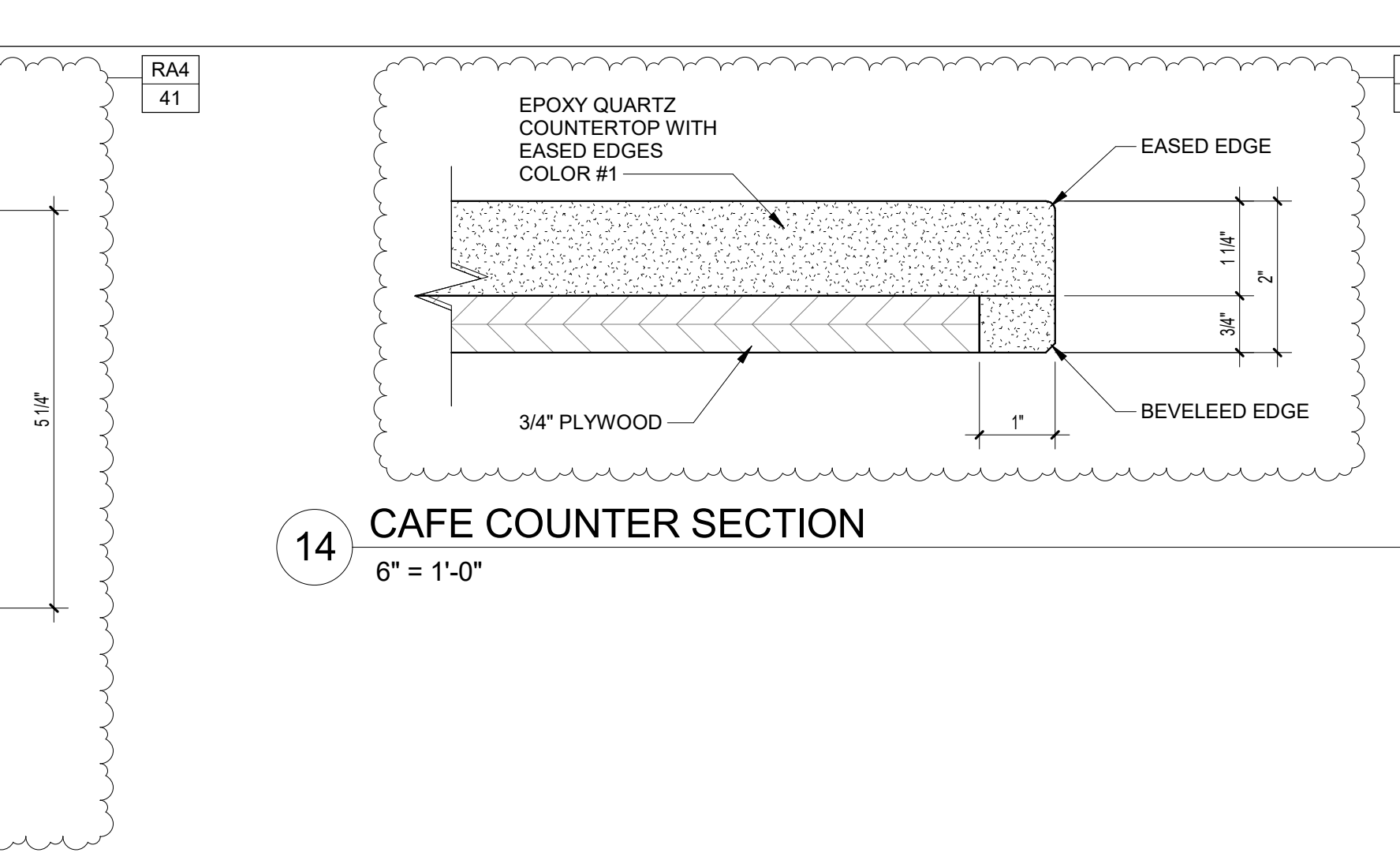
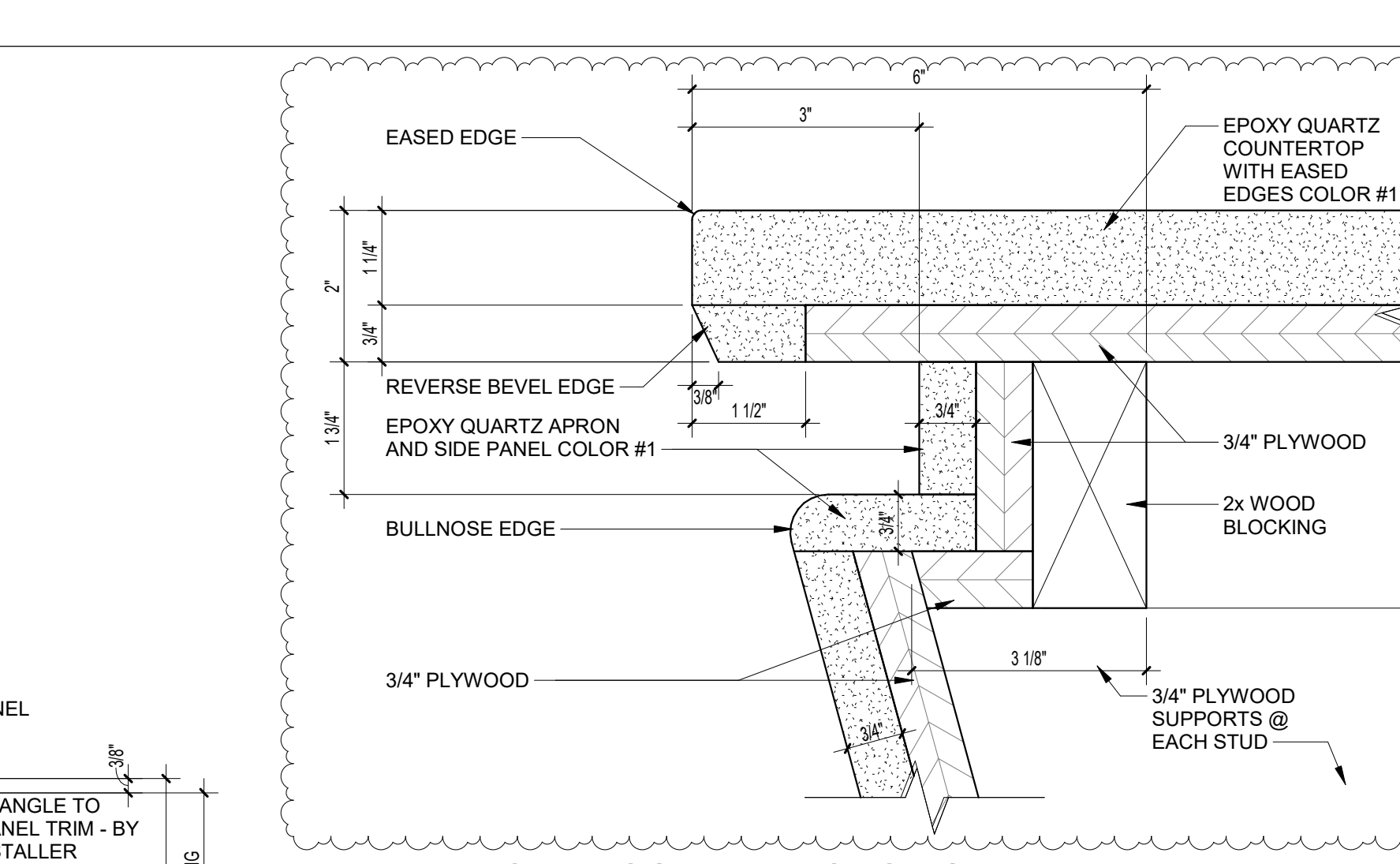
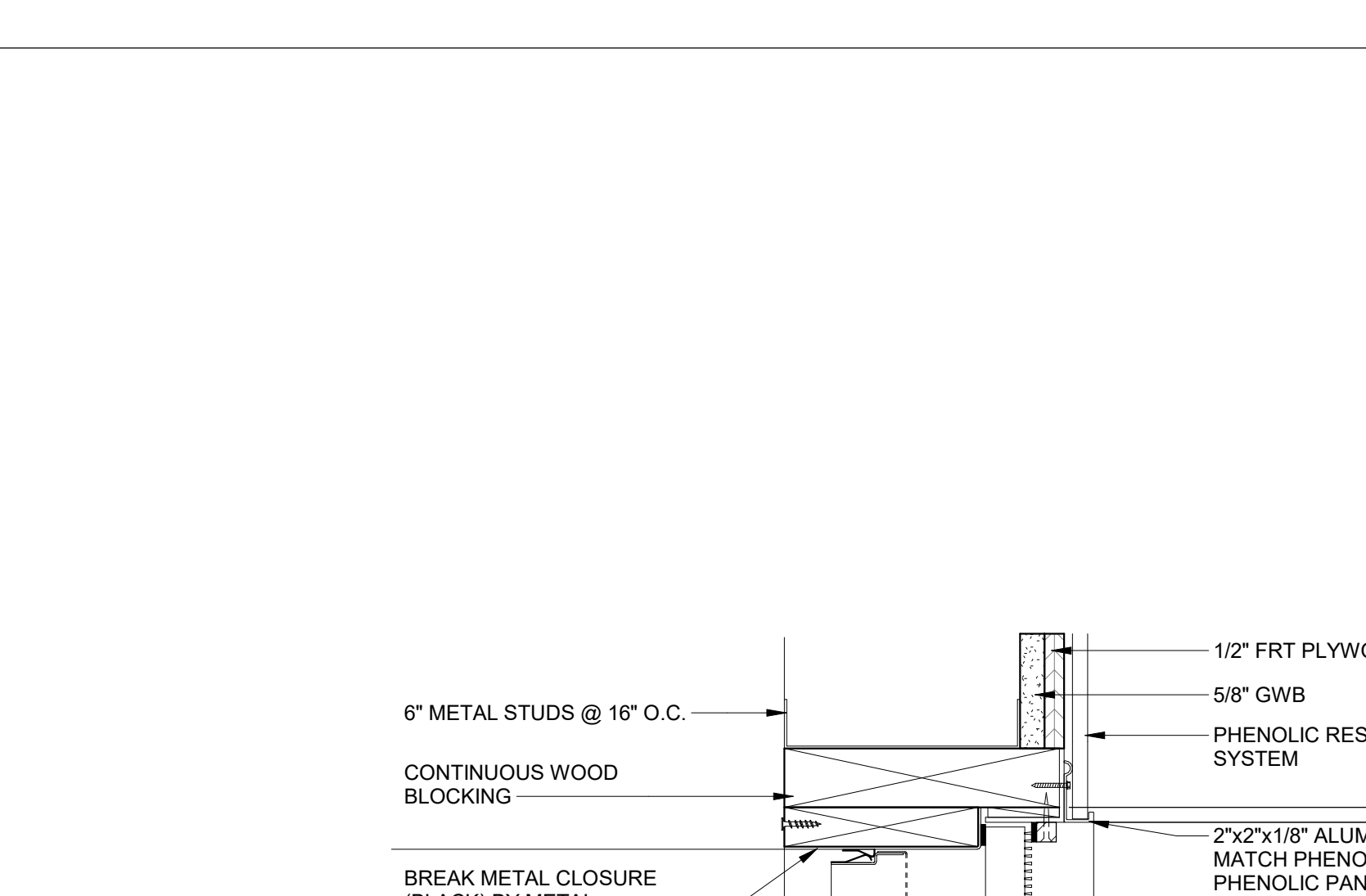
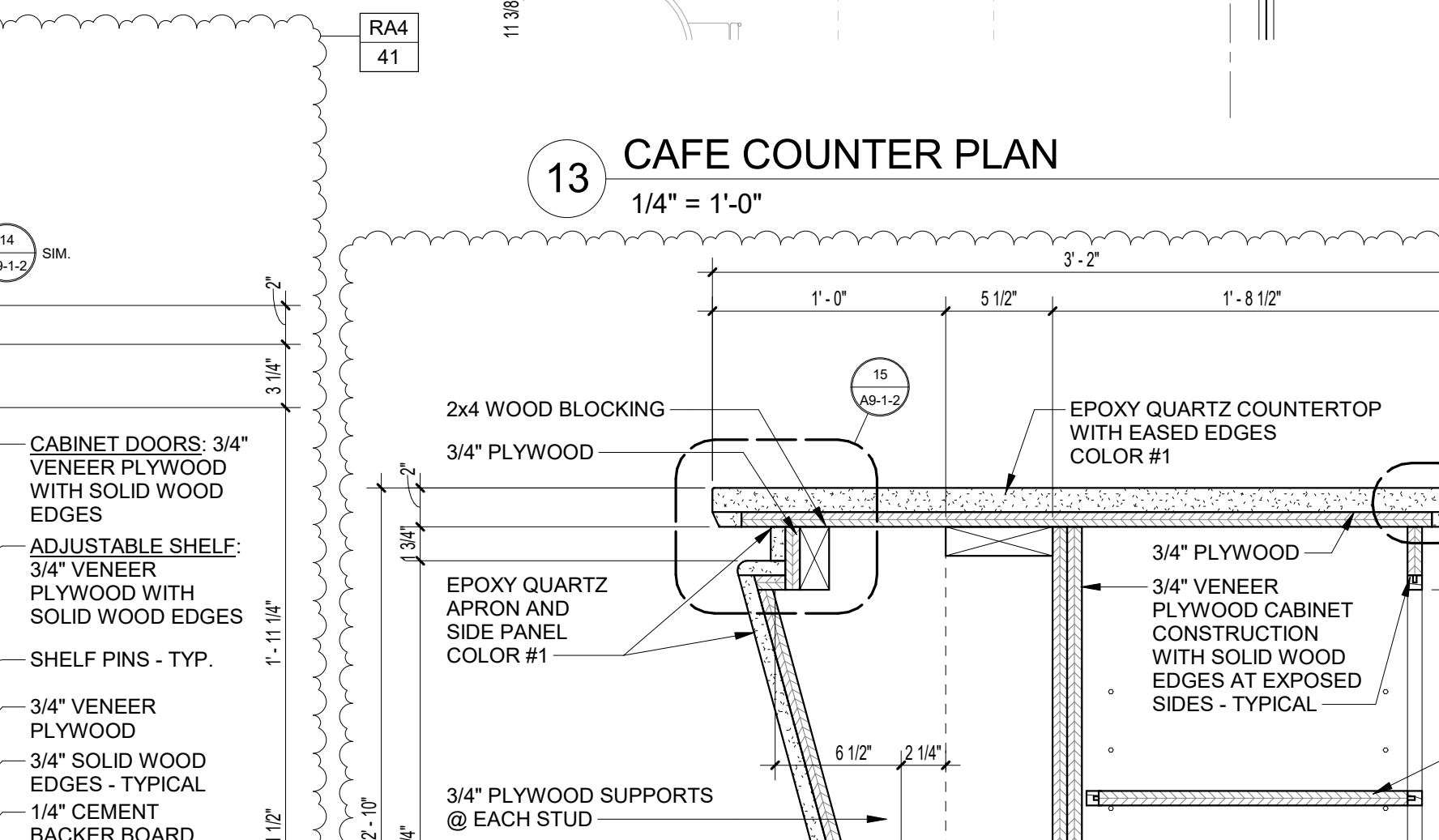
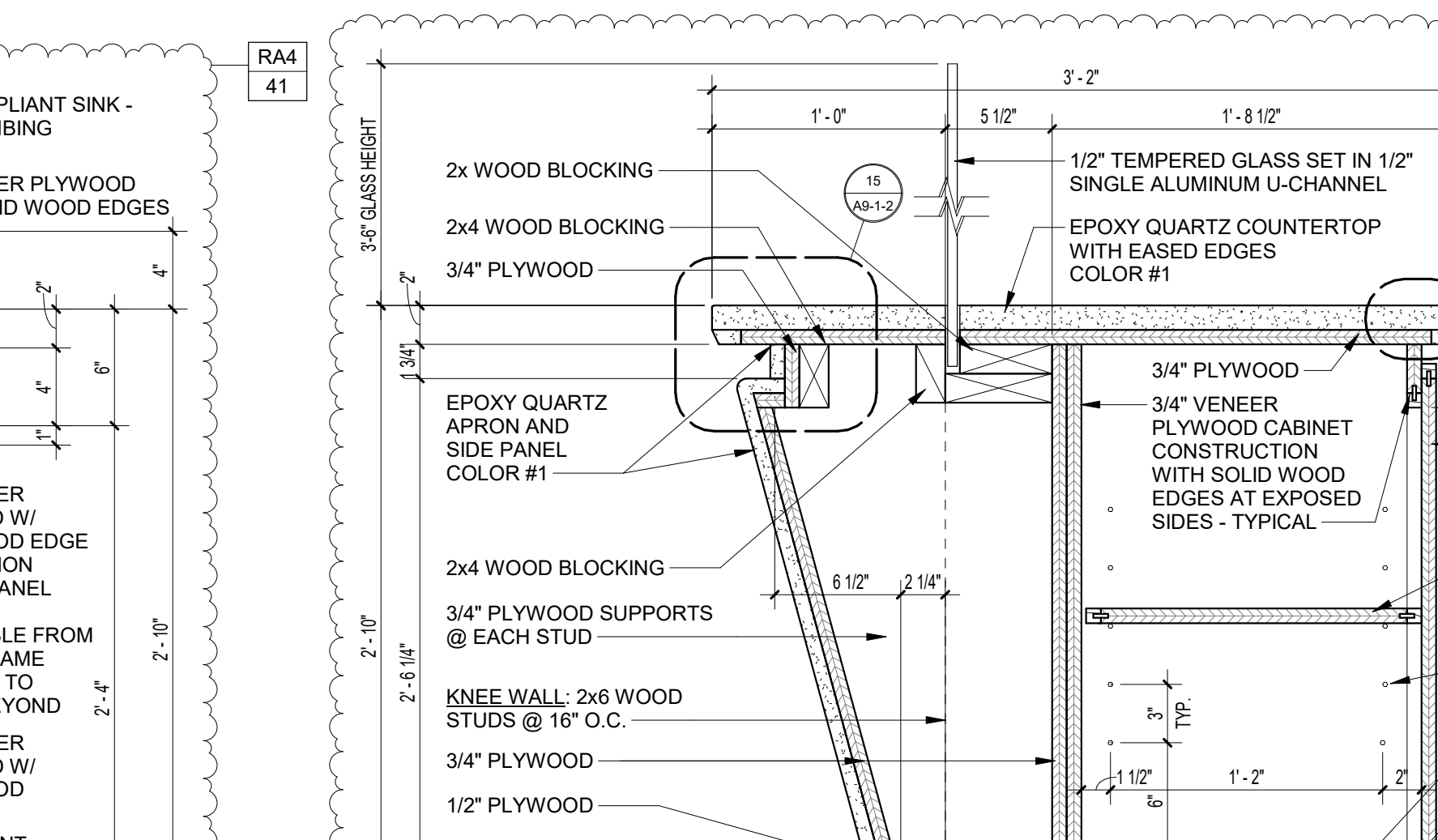
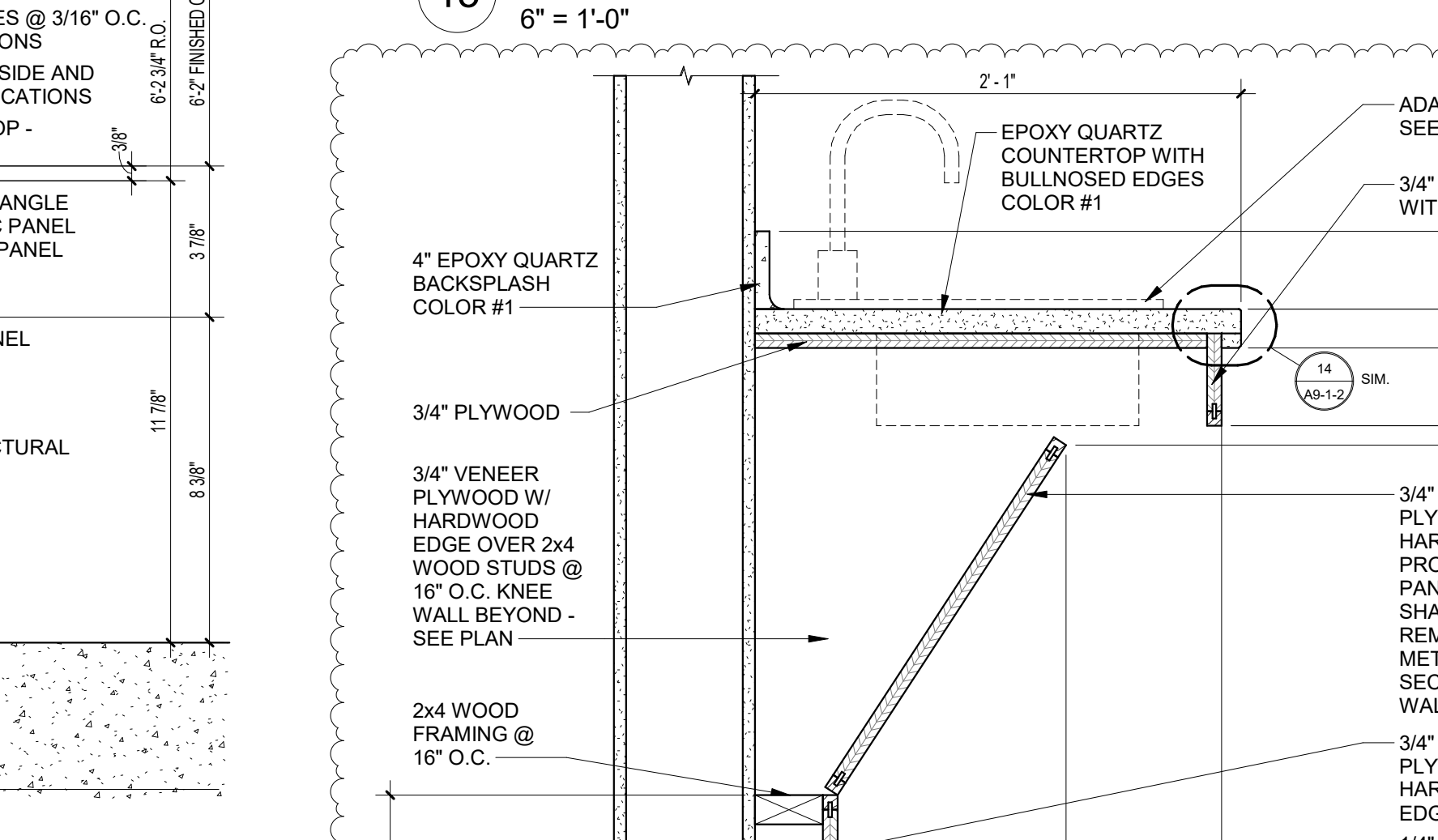
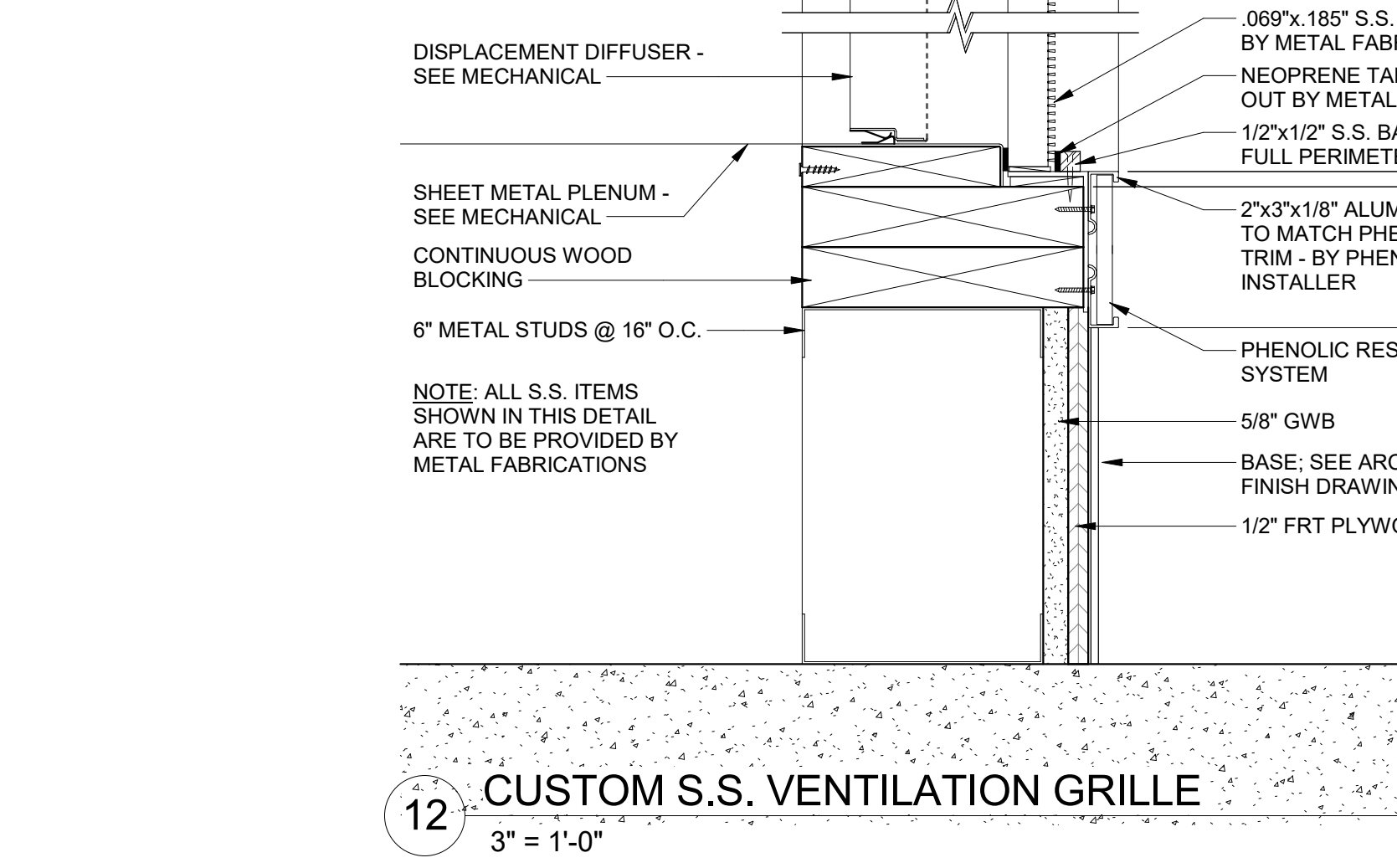
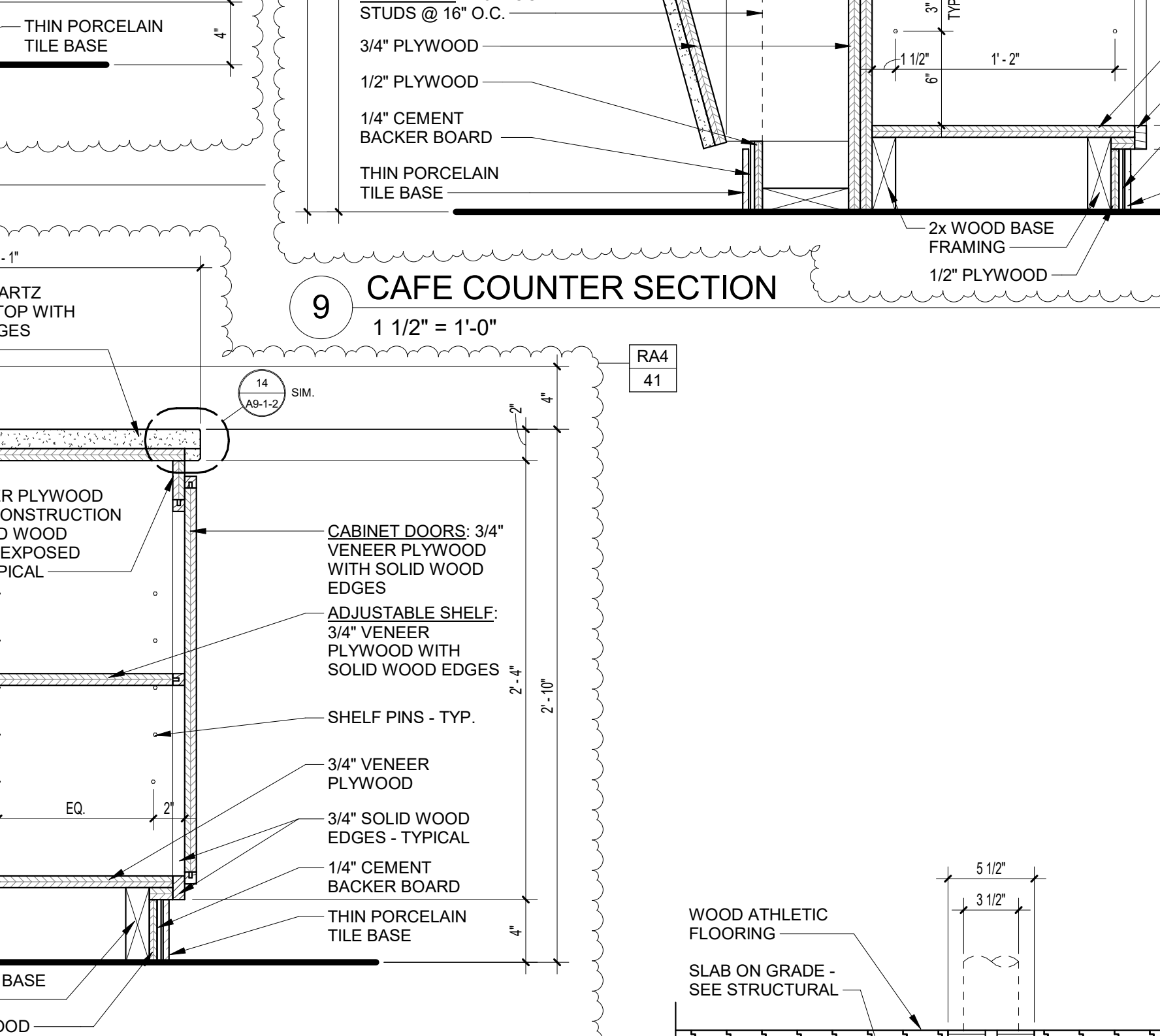
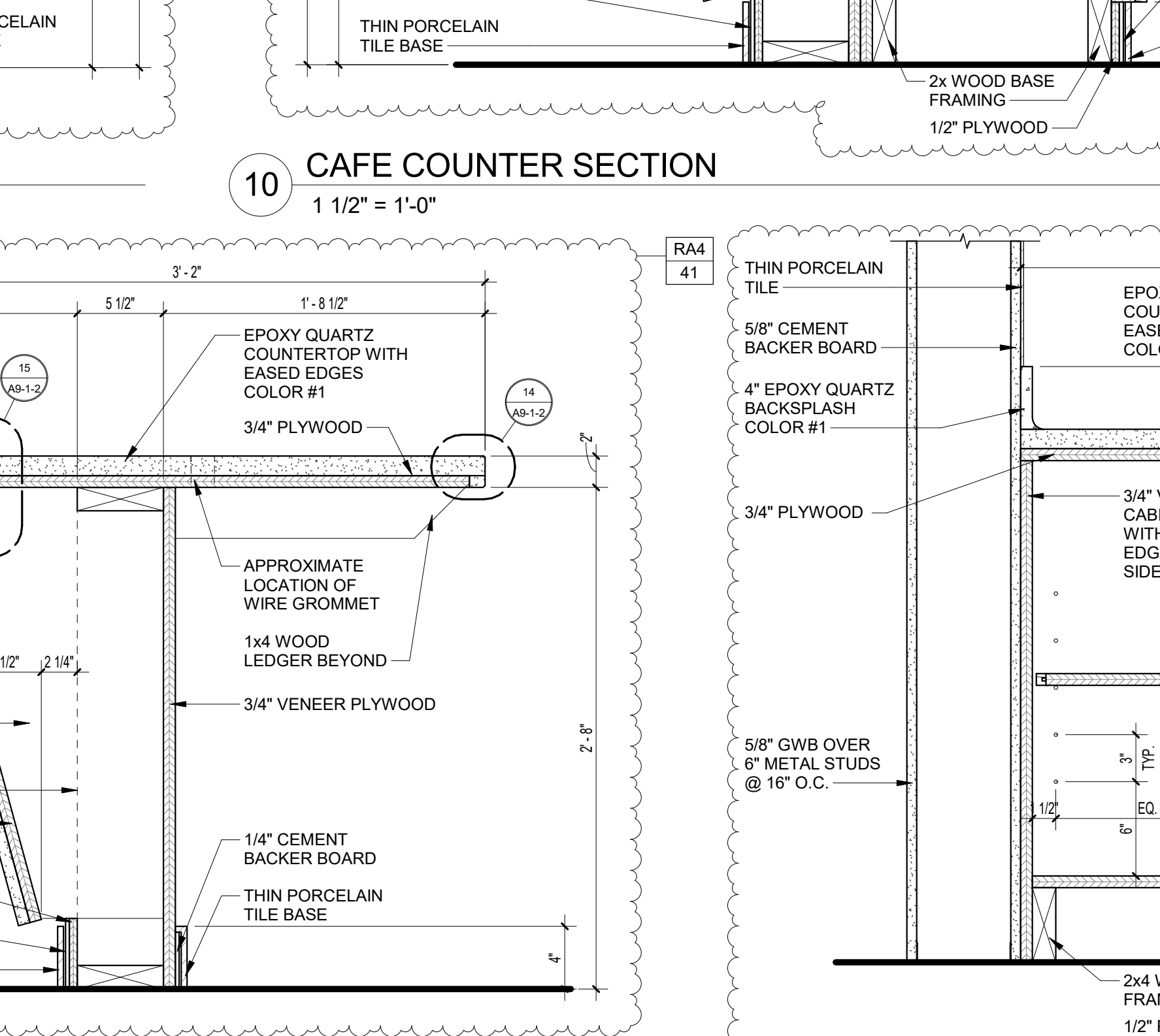
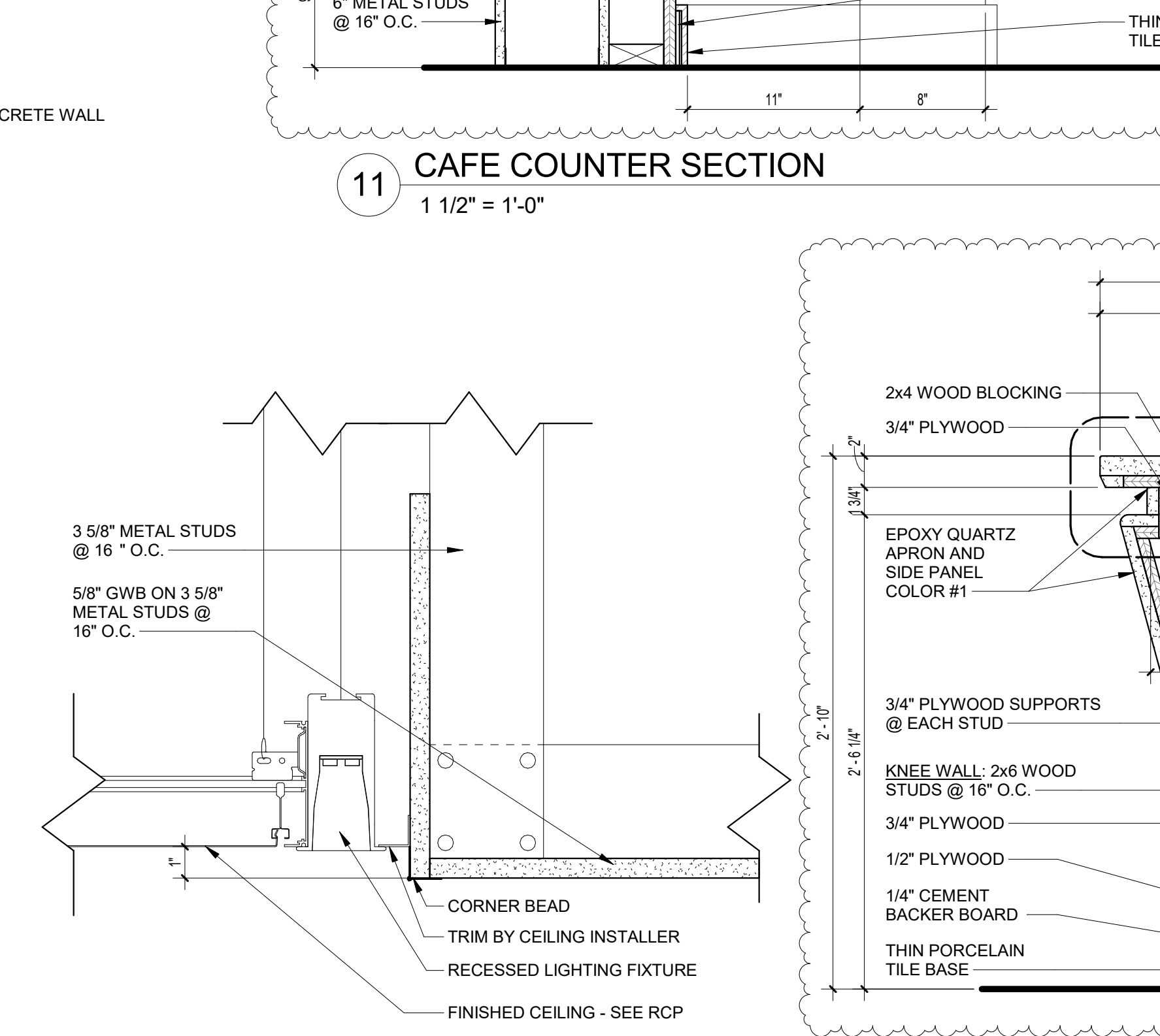
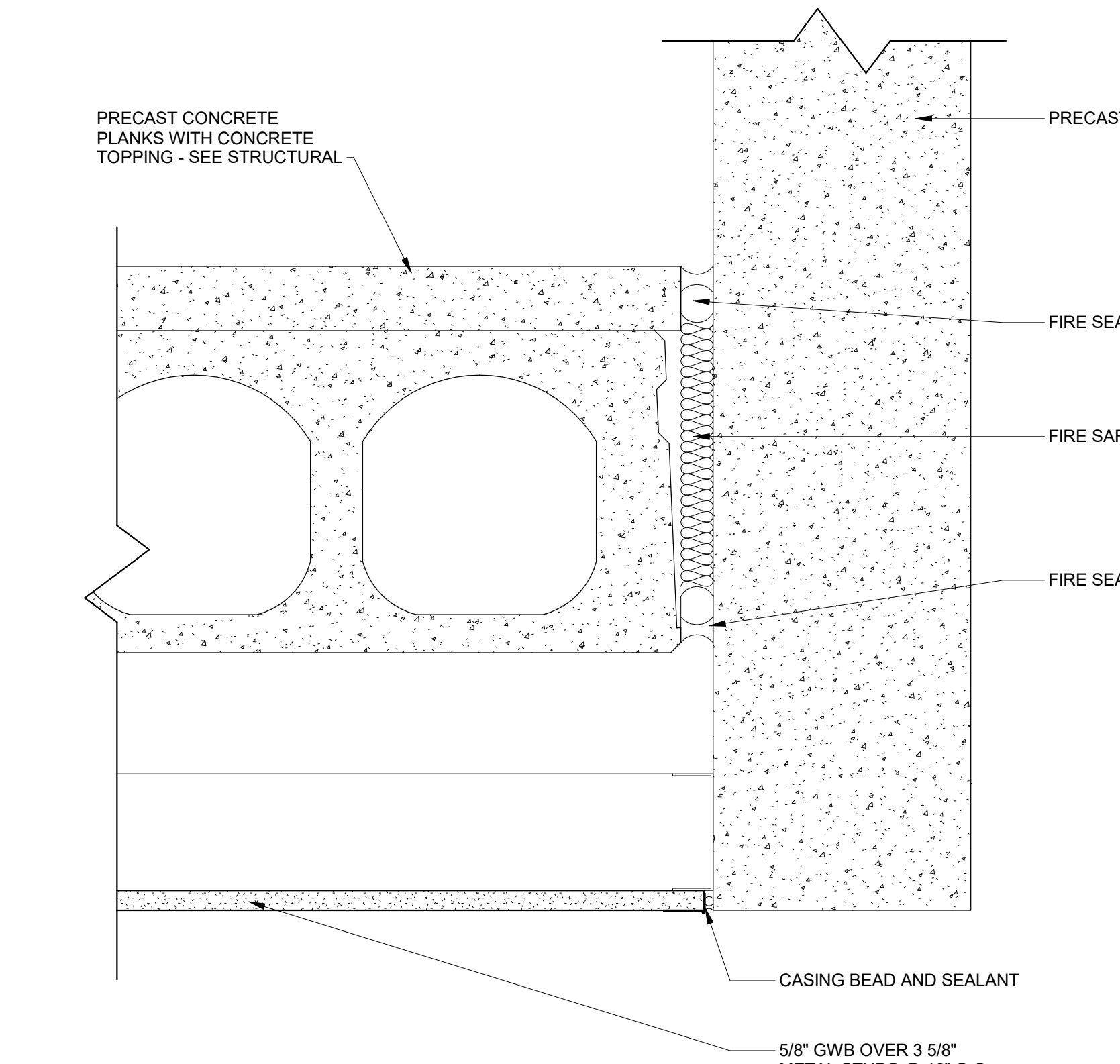
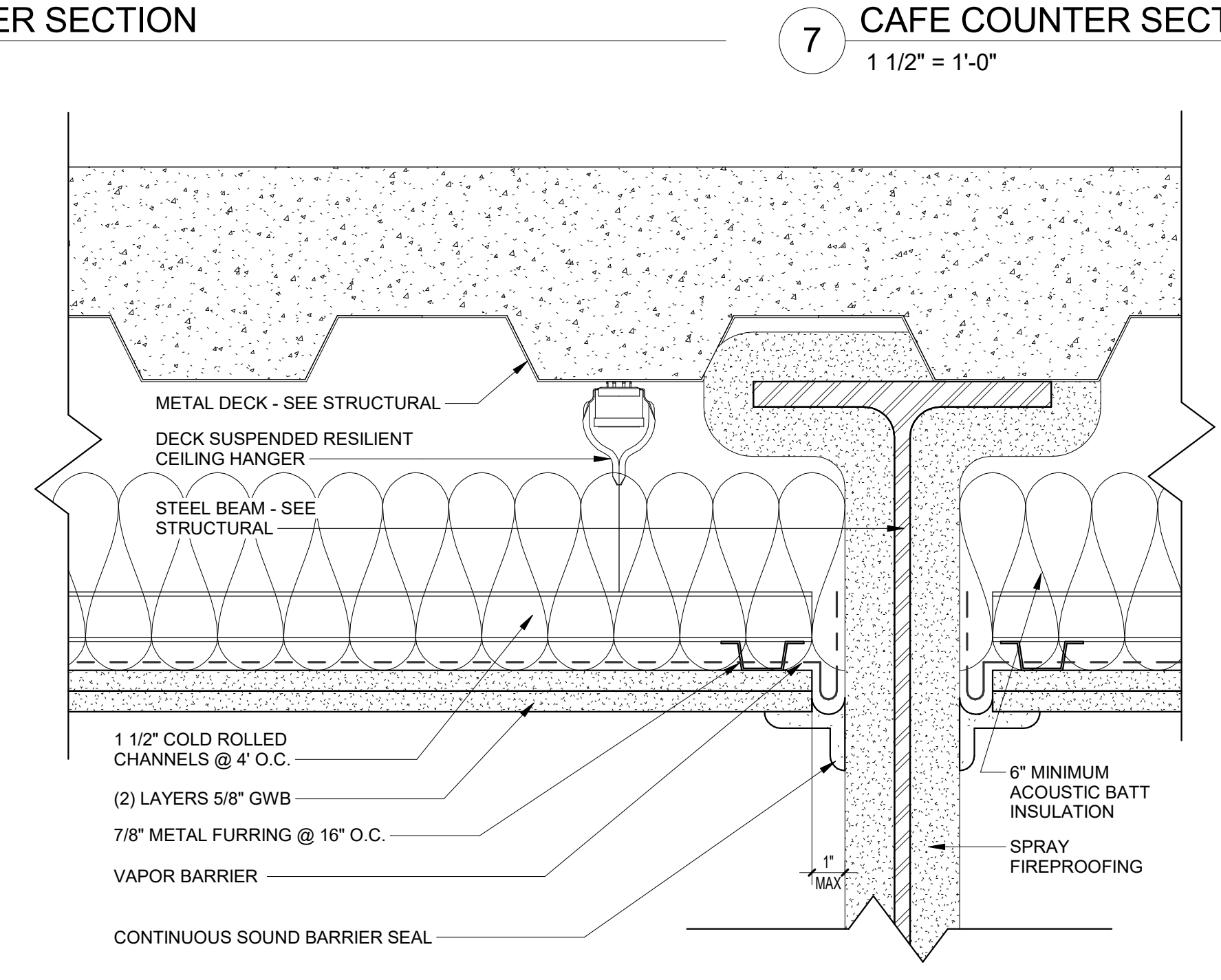
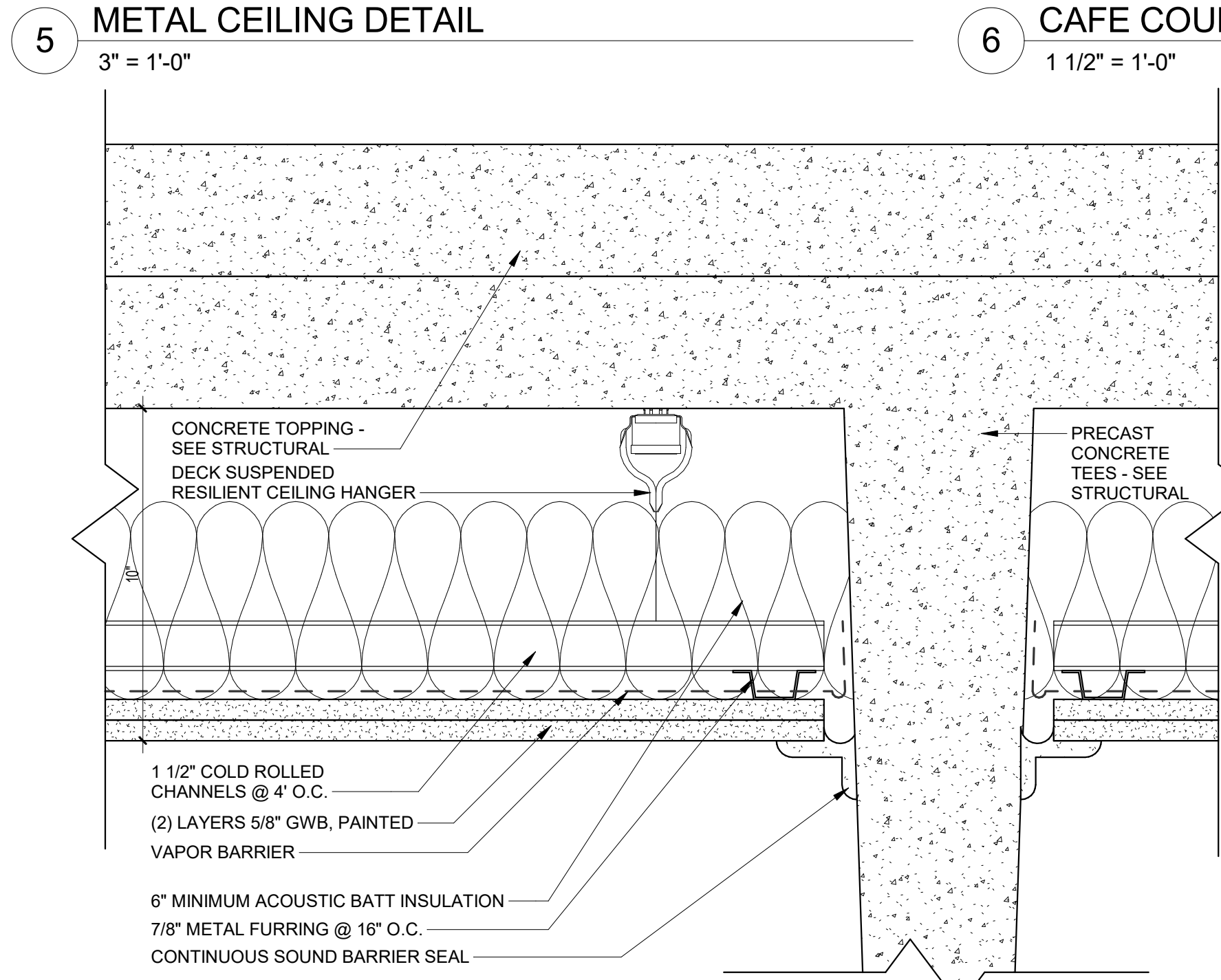
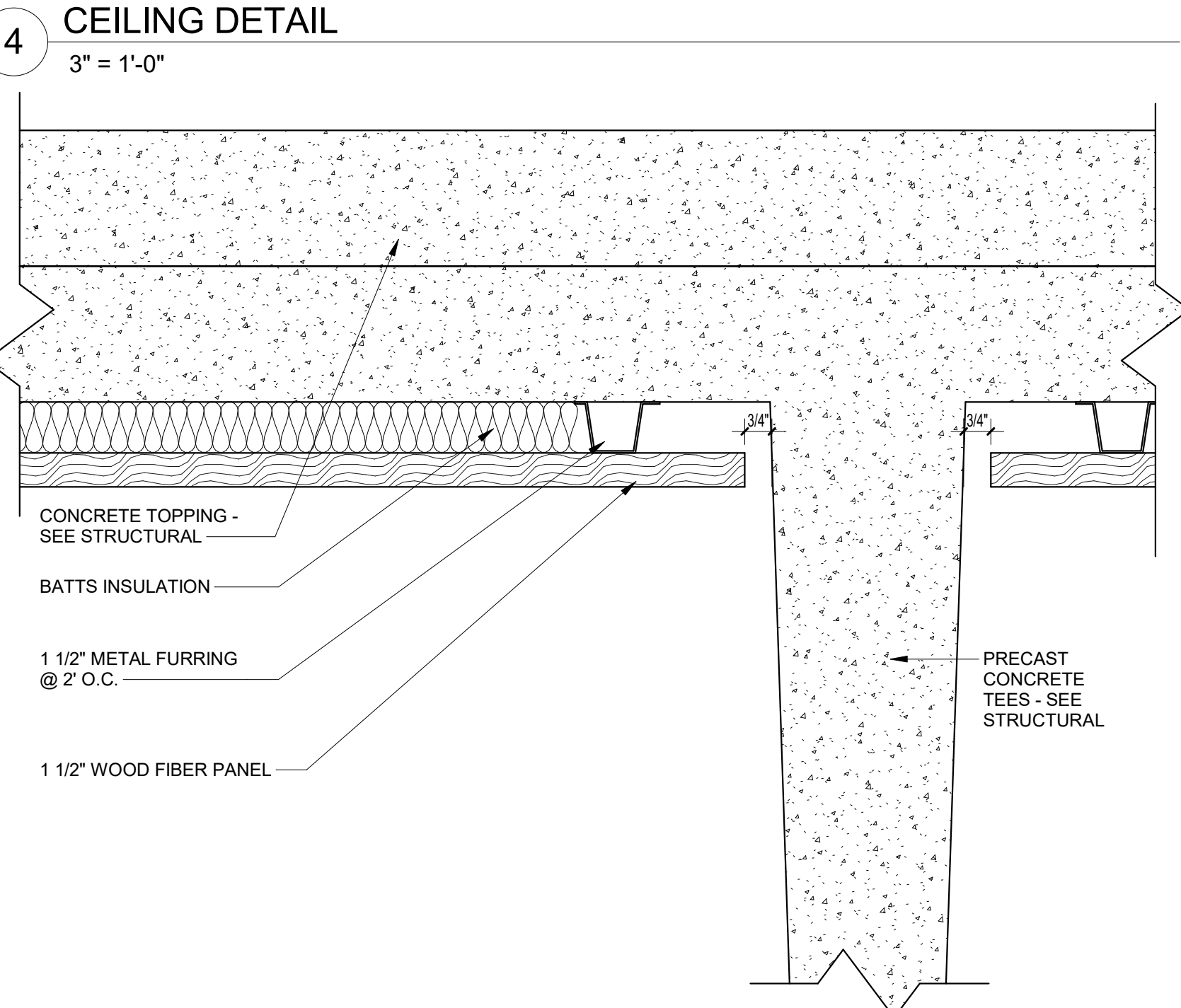
100% CONSTRUCTION DOCUMENTS
 drawing title: DOOR SCHEDULE

STATE OF CONNECTICUT
 DEPARTMENT OF ADMINISTRATIVE SERVICES

date: 05/24/2019
 scale: 1/2" = 1'-0"
 author: [Name]
 approved by: [Name]
 drawing no.: [Number]

REVISIONS table with columns: mark, date, description

project: Renovations & Additions to Platt Technical High School
 CAD no.: [Number] DCS project no.: [Number] OSCGR project no.: [Number]



100% CONSTRUCTION DOCUMENTS

MISCELLANEOUS DETAILS

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing: DRA ARCHITECTS
320 Colburn Road, Ste 200
South Windsor, CT 06074

projec: Renovations & Additions to Platt Technical High School
400 Orange Avenue, Milford, CT 06461

CAD: DCS project
BLRT-076 CM-R

OSCGR project
900-0113

A9-1-2

REV	DATE	DESCRIPTION
RA4	08/09/2019	Addendum No. 4

dat: 05/24/2019
scale: As indicated
drawn: [Name]
approved: [Name]
drawing: [Name]

COUNTERTOP FINISHES:
CORIAN QUARTZ BY DUPONT IS THE BASIS OF DESIGN. REFER TO SPECIFICATION FOR ACCEPTABLE COMPARABLE MANUFACTURERS COLORS TO BE SELECTED BY ARCHITECT FROM PRICE GROUP 4. (OR MANUFACTURER'S HIGHEST PRICE GROUP).
COLOR #1: CORIAN QUARTZ - VERSILIA GRIGIO
COLOR #2: CORIAN QUARTZ - BIANCO MARMOR

COLUMN SCHEDULE

HIGH ROOF TOP OF STEEL ELEV. 143' - 0" (+12' - 0" A.F.F.)	*0"	-1' - 8 3/4"	*0"	-1' - 3 3/4"	*0"	-1' - 5 3/4"	HIGH ROOF TOP OF STEEL ELEV. 143' - 0" (+12' - 0" A.F.F.)
12' - 0"							
MAIN ROOF TOP OF STEEL ELEV. 131' - 0" (+14' - 0" A.F.F.)	HSS12.750x0.375	HSS12.750x0.375	HSS12.750x0.375	HSS12.750x0.375	HSS12.750x0.375	HSS12.750x0.375	MAIN ROOF TOP OF STEEL ELEV. 131' - 0" (+14' - 0" A.F.F.)
14' - 0"							
SECOND FLOOR TOP OF SLAB ELEV. 117' - 0" (+18' - 0" A.F.F.)		-6"		-6"		-6"	SECOND FLOOR TOP OF SLAB ELEV. 117' - 0" (+18' - 0" A.F.F.)
18' - 0"							
FIRST FLOOR TOP OF SLAB ELEV. 99' - 0"	-6 3/4"		-6 3/4"		-6 3/4"		FIRST FLOOR TOP OF SLAB ELEV. 99' - 0"
CAP PLATE	W.C.	20"x3/4"x14"	W.C.	20"x3/4"x14"	W.C.	20"x3/4"x14"	
BASE PLATE	16"x1"x16"	20"x3/4"x14"	16"x1"x16"	20"x3/4"x14"	16"x1"x16"	20"x3/4"x14"	
ANCHOR RODS	(4)-3/4"	(4)-3/4"	(4)-3/4"	(4)-3/4"	(4)-3/4"	(4)-3/4"	
BASE DETAIL							
Column Locations	HH-21.9	HH-22.1	KK-21.8	KK-21.9	MM-21.6	MM-21.8	

DRA

Drumme
Rosane
Anderson, Inc.

225 Oakland Road
South Windsor
Connecticut 06074
860-644-8300

600 Orange Avenue
Milford, CT 06461

ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL
COLUMN SCHEDULE

ADDENDUM
#4

RS4-001

REF. DWG No.
S2-1-2 & S2-1-3

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.

Scale: 1/8" = 1'-0"
Date: 08/09/2019

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Drumme
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225 Oakland Road
South Windsor
Connecticut 06074
860-644-8300

600 Orange Avenue
Milford, CT 06461

ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL

ROOF EDGE ANGLE CONNECTION

ADDENDUM

#4

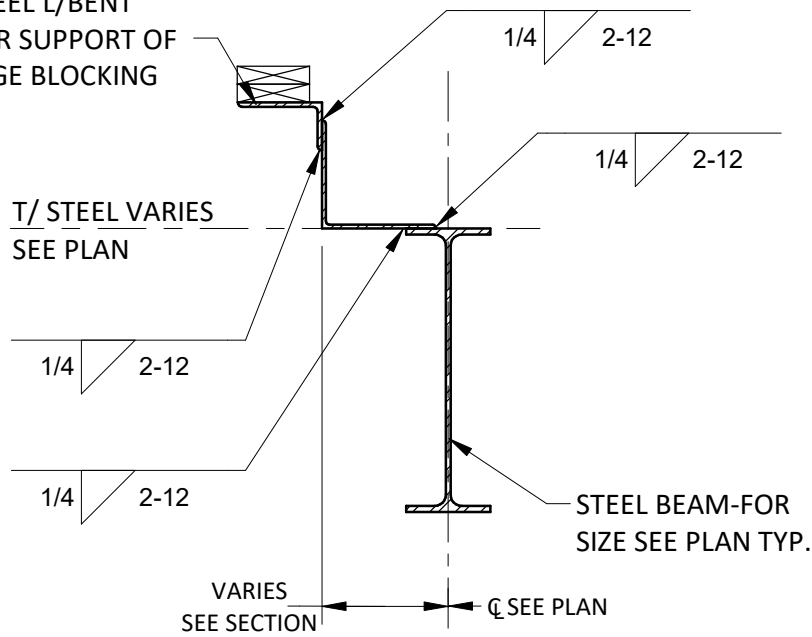
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Author

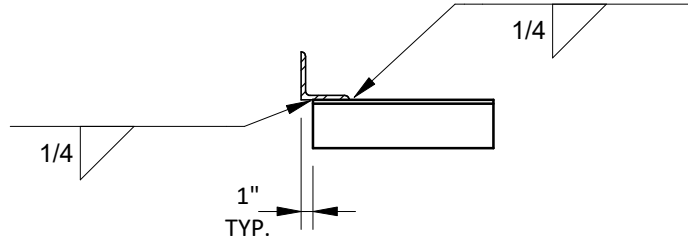
DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.

Scale: 3/4" = 1'-0"
Date: 08/09/2019

CONT. STEEL L/BENT
PLATE FOR SUPPORT OF
ROOF EDGE BLOCKING

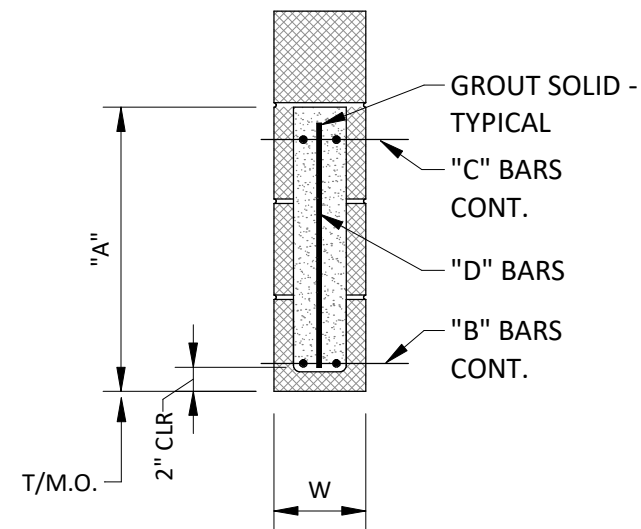


TYPICAL ROOF EDGE
ANGLE CONNECTION



VARIATION AT OUTRIGGER

CMU LINTEL SCHEDULE



MASONRY LINTEL

DESIGNATION	MAXIMUM SPAN	"A"	"B"	"C"	"D"	REMARKS
ML-1	20'-0"	3 COURSES	(2) - #5	(2) - #5	#4@12" O.C.	SEE NOTE #2
ML-2	15'-0"	2 COURSES	(2) - #5	(2) - #5	---	SEE NOTE #2
ML-3	12'-0"	2 COURSES	(1) - #5	---	---	SEE NOTE #1
ML-4	8'-0"	1 COURSES	(1) - #5	---	---	SEE NOTE #1

NOTES:

1. PROVIDE 8" LONG MASONRY PIER REINFORCED WITH 2-#5 VERTICAL FULL GROUTED FULL HEIGHT OF WALL.
2. PROVIDE 16" LONG MASONRY PIER REINFORCED WITH 4-#5 VERTICAL FULLY GROUTED FULL HEIGHT OF WALL.
3. SHORE ALL CONSTRUCTION UNTIL NEW LINTEL HAS ACHIEVED DESIGN.
4. ALL HORIZONTAL REINFORCEMENT SHALL EXTEND 16" BEYOND MASONRY OPENING EACH END.
5. SEE GENERAL NOTES FOR ADDITIONAL MASONRY REQUIREMENTS.

DRA

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Rosane
Anderson, Inc.

225 Oakland Road
South Windsor
Connecticut 06074
860-644-8300

600 Orange Avenue
Milford, CT 06461

ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL

PLAN AT COLUMN BASE "B-8.8"

ADDENDUM

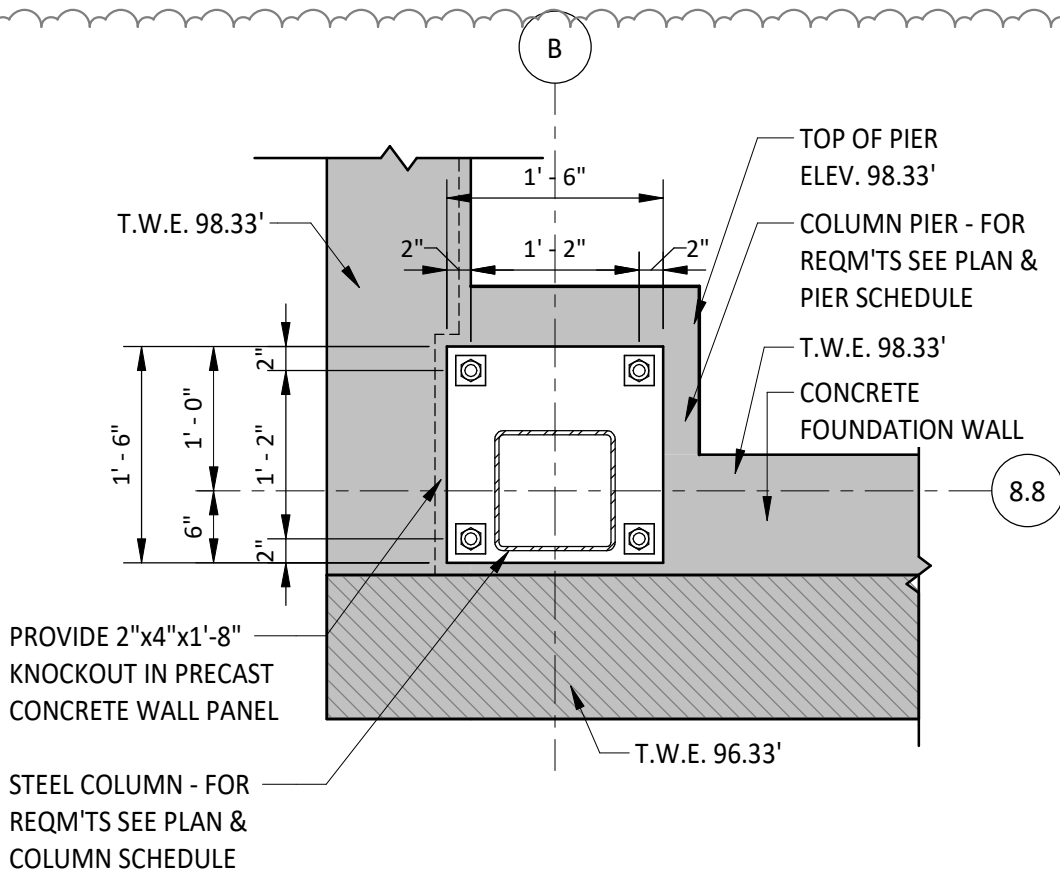
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RS4-004

REF. DWG No.
S3-1-2

DCS Project No.
BI-RT-878 CM-R
OSCGR Project No.

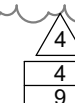
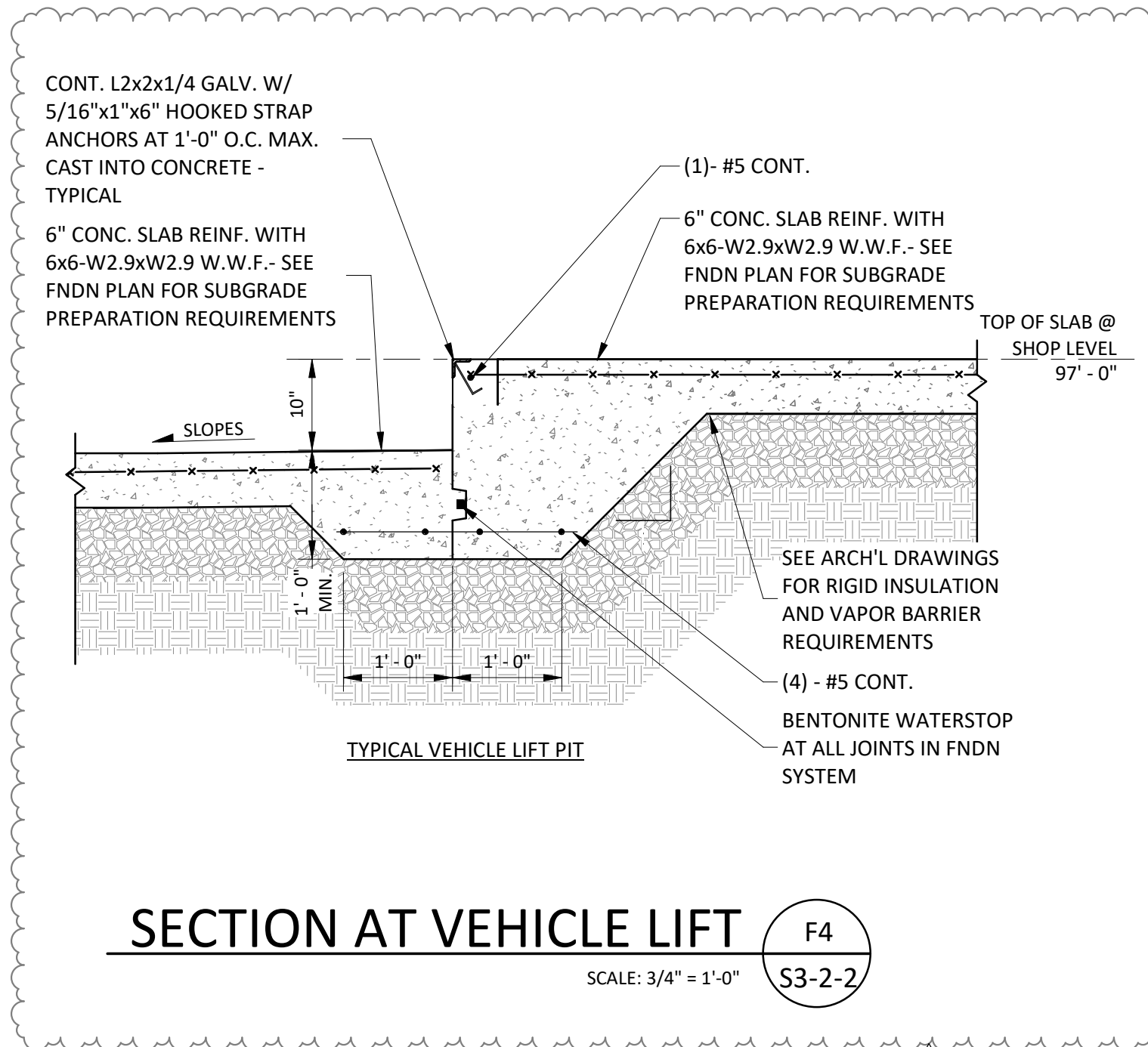
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Date: 08/09/2019

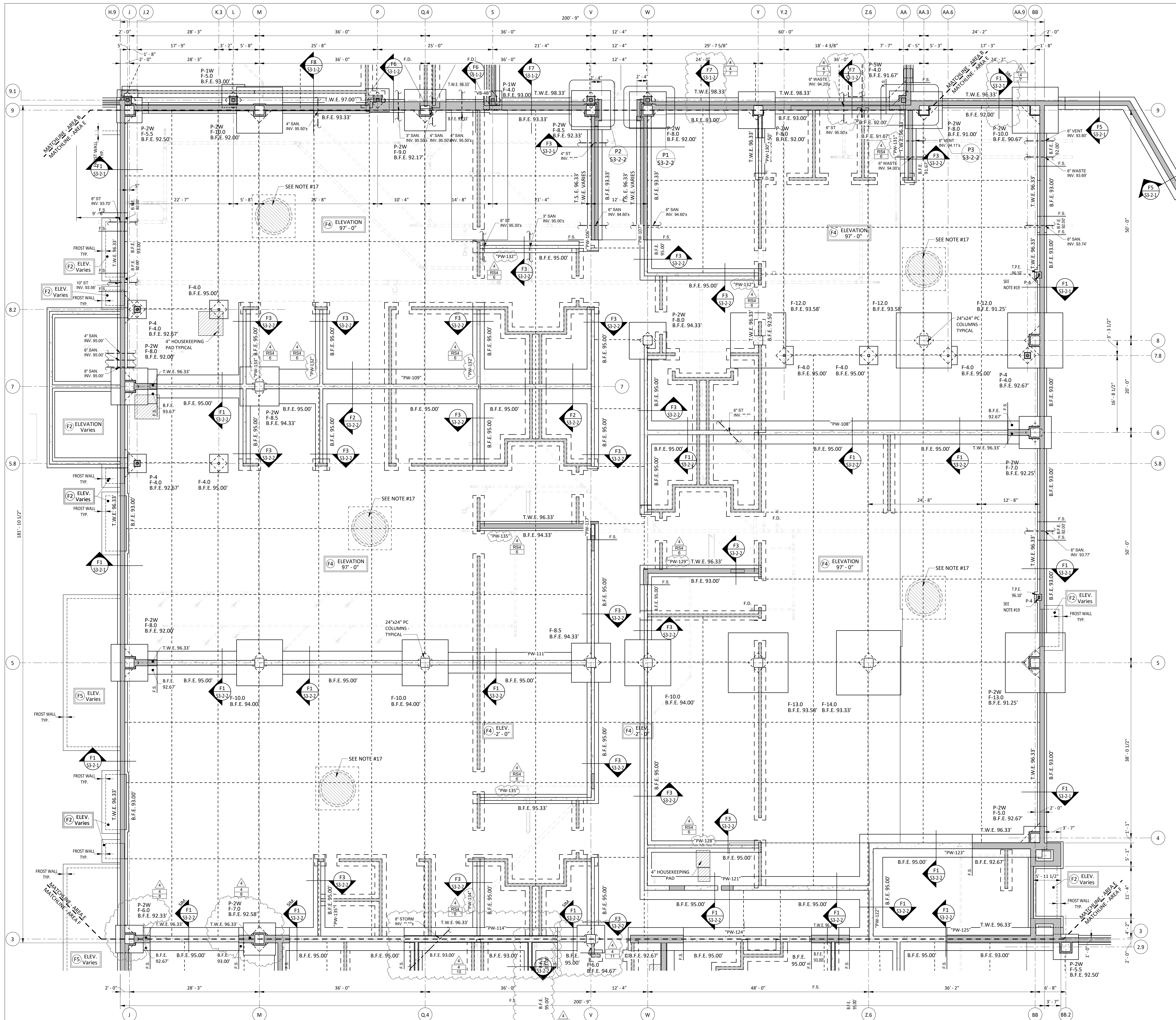


PLAN AT "B-8.8" COLUMN BASE

P1

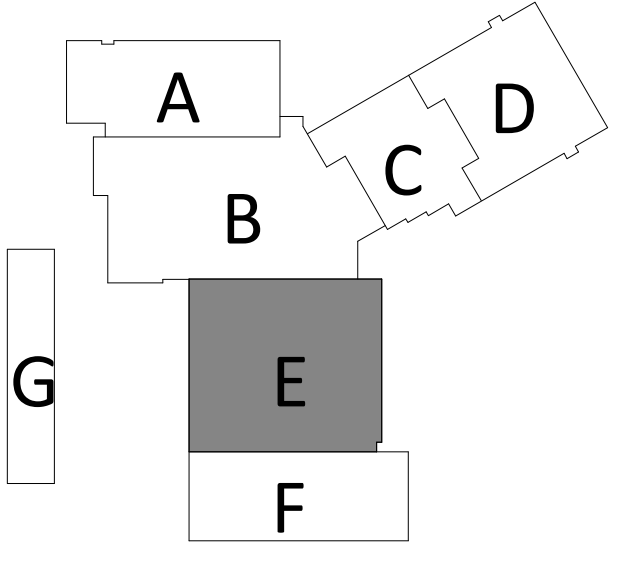
S3-1-2





- FOUNDATION PLAN NOTES:**
- (F1) INDICATES 4" CONCRETE SLAB REINFORCED WITH 6X6-W1.4 X W1.4 W.W.F. ON 40 MIL HDPE VAPOR RETARDER ON 9" LAYER OF 3/4" CRUSHED STONE ABOVE A MINIMUM 7" THICK LAYER OF COMPACTED STRUCTURAL FILL - SEE SUB-SLAB DEPRESSURIZATION DRAWINGS FOR ADD'L REQUIREMENTS.
 - (F2) INDICATE 6" CONCRETE SLAB REINFORCED WITH 6X6-W2.9 X W2.9 W.W.F. ON 4" LAYER OF 3/8" CRUSHED STONE ON 12" MINIMUM LAYER OF COMPACTED STRUCTURAL FILL.
 - (F3) INDICATES 12" CONCRETE SLAB REINFORCED WITH #4@12" O.C. EACH WAY TOP AND BOTTOM 40 MIL HDPE VAPOR RETARDER ON A 6" LAYER OF 3/8" CRUSHED STONE.
 - (F4) INDICATES 6" CONCRETE SLAB REINFORCED WITH 6X6-W2.9 X W2.9 W.W.F. ON 40 MIL HDPE VAPOR RETARDER ON 9" LAYER OF 3/4" CRUSHED STONE ABOVE A MINIMUM 7" THICK LAYER OF COMPACTED STRUCTURAL FILL - SEE SUB-SLAB DEPRESSURIZATION DRAWINGS FOR ADD'L REQUIREMENTS.
 - T.W.E. INDICATES TOP OF WALL ELEVATION. DROP TOP OF WALL ELEVATION TO 8" BELOW FIN. FLOOR ELEVATION AT ALL DOOR OPENINGS - U.O.N.
 - F.S. INDICATES BOTTOM OF FOOTING ELEVATION.
 - C.J. INDICATES CONTROL JOINT IN CONCRETE SLAB - SEE TYPICAL DETAIL ON DRAWING S0-0-1.
 - F.S. INDICATES FOOTING STEP - SEE TYPICAL DETAIL ON DRAWING S0-0-1.
 - WHERE UTILITY LINE (I.E. SANITARY, WATER, ETC.) PENETRATE FOUNDATION WALL DROP BOTTOM OF FOOTING ELEVATION AS REQUIRED TO ALLOW UTILITY LINE TO PASS THRU FOUNDATION WALL. COORDINATE LOCATIONS AND ELEVATIONS WITH MECHANICAL AND SITE REQUIREMENTS.
 - "F.D." INDICATES FLOOR DRAIN LOCATION. SLOPE SLAB TO DRAIN MAINTAINING MINIMUM THICKNESS OF SLAB TYPE AT FLOOR DRAIN LOCATION - TYPICAL FOR EXTENTS AND ADDITIONAL REQUIREMENTS - SEE ARCHITECTURAL AND PLUMBING DRAWINGS.
 - GENERAL CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS FOR SLAB DEPRESSIONS. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - GENERAL CONTRACTOR TO VERIFY ELEVATOR SHAFT DIMENSIONS AND PIT DEPTH WITH SUPPLIER PRIOR TO CONSTRUCTION OF PIT. PROVIDE 24"x24"x8" DEEP SUMP IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR SUPPLIER AND ARCHITECTURAL REQUIREMENTS. DROP AND THICKEN BASE SLAB AT SUMP LOCATION TO MAINTAIN MINIMUM 12" REINFORCED CONCRETE SLAB.
 - DO NOT AIR-ENTRAIN INTERIOR SLABS ON GRADE.
 - "R.L." INDICATES VERTICAL RAIN WATER LEADER LOCATIONS - GENERAL CONTRACTOR TO COORDINATE FOOTING ELEVATIONS WITH PLUMBING SUPPLIER.
 - PREPARATIONS FOR THE FOUNDATION SYSTEM SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY WELT GEOTECHNICAL, P.C. DATED DECEMBER 31, 2018.
 - ALL FOOTINGS SHALL BEAR ON A MINIMUM 6" LAYER OF 3/8" CRUSHED STONE TYP.
 - PROVIDE 8" THICK REINFORCED CONCRETE SLAB ABOVE RADON SUCTION PITS TYPICAL - COORD. ADD'L REQUIREMENTS WITH SUB SLAB DEPRESSURIZATION DRAWINGS AND SEE TYPICAL SLAB REINF. DETAIL ON DRAWING S0-0-2.
 - ALL CONDUITS OR PIPING SHALL BE PLACED BELOW THE STRUCTURAL SLAB, NO CONDUIT OR PIPING SHALL BE PLACED WITHIN THE STRUCTURAL SLAB.
 - HSS6x4x3/8 SUPPORT WITH 12"x3/4"x10" BASE PLATE ON 1/4" LEVELING PLATE (SAME SIZE) ON 1" PAD NON-SHRINK GROUT WITH (4) 3/4"x4"x1" ANCHOR BOLTS.
 - SEE DRAWING S1-1-1A FOR FOOTING SCHEDULE AND PIER SCHEDULE.

- FIREPROOFING NOTES:**
- HSS COLUMNS AND BEAMS SUPPORTING MEZZANINES AT E101 (PLUMBING), E114 (ELECTRICAL), AND E120 (HVAC) TO RECEIVE 2-HOUR FIRE RATING BY INTUMESCENT MASTIC FIREPROOFING.
 - HSS STEEL AT STAIR 5 TO RECEIVE 2-HOUR FIRE RATING BY INTUMESCENT MASTIC FIREPROOFING.



FOUNDATION PLAN - AREA E
SCALE: 1/8" = 1'-0"

100% CONSTRUCTION DOCUMENTS

drawing
FOUNDATION PLAN - AREA E

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing
SZEWCAK ASSOCIATES
300 Main Street
Avon, CT 06001

projec
ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL
600 Orange Avenue
Middletown, CT 06461

CAD
DCS project
BLRT-076 CM-R

OSCGR project
900-0113

dat
05/24/2019

scale
As Indicated

drawn
JND

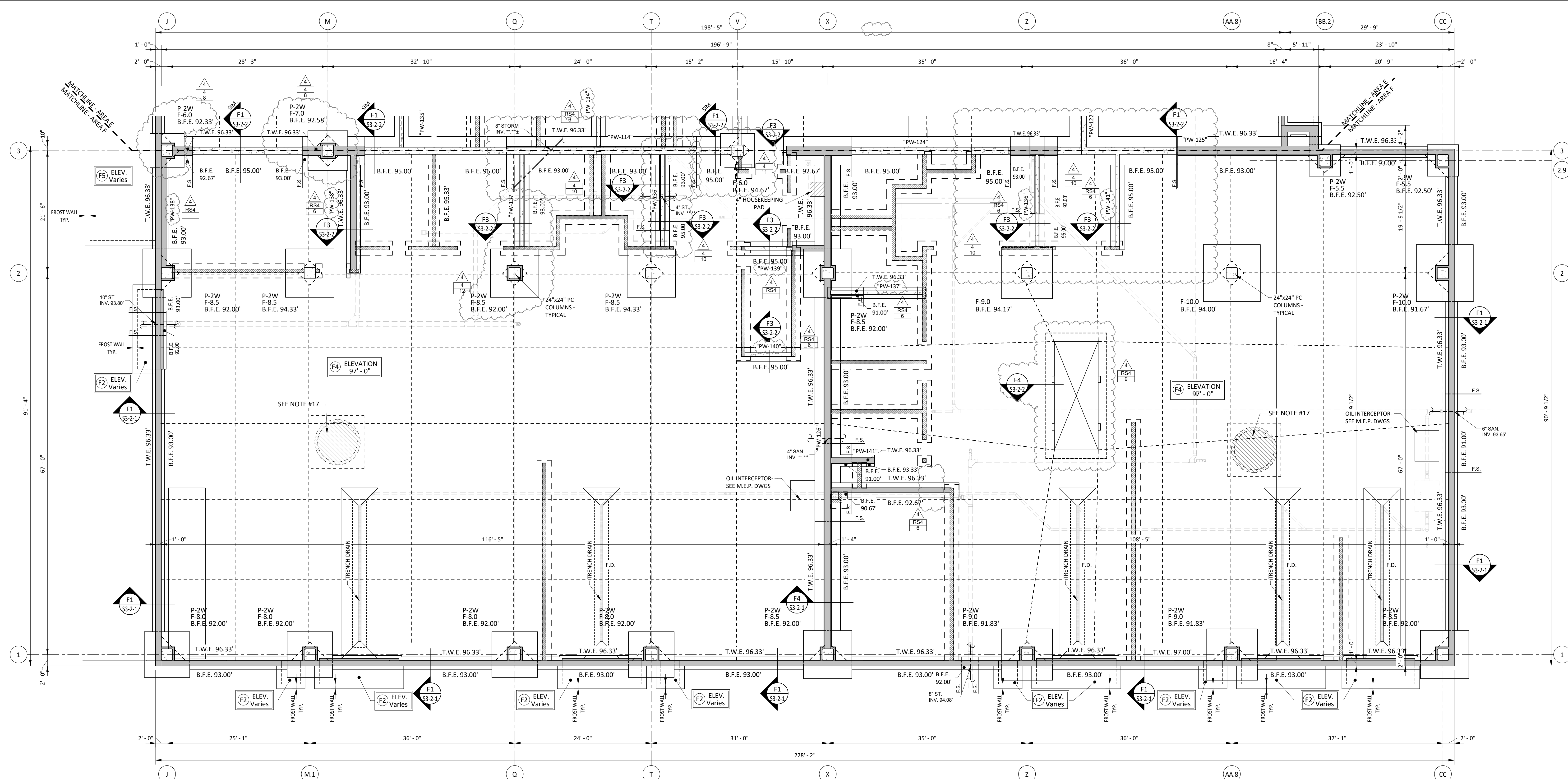
approved
PJC

drawing
JND

S1-1-E

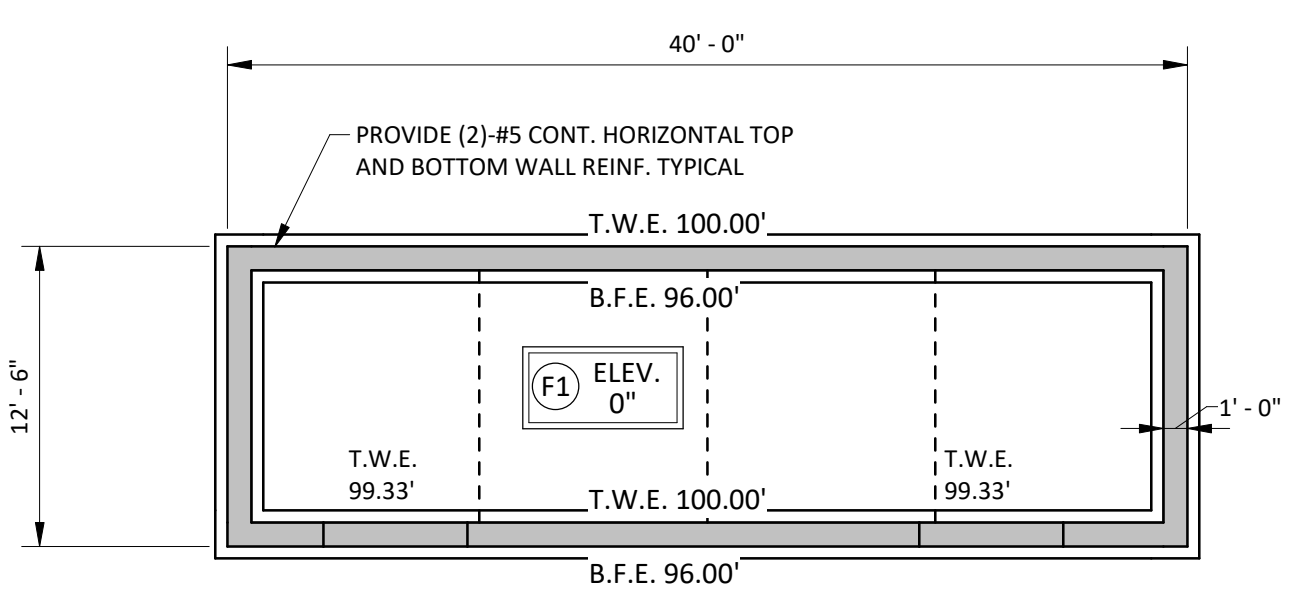
REVISIONS		
mar	date	description
3	06/02/2019	ADDENDUM #3
4	06/09/2019	ADDENDUM #4





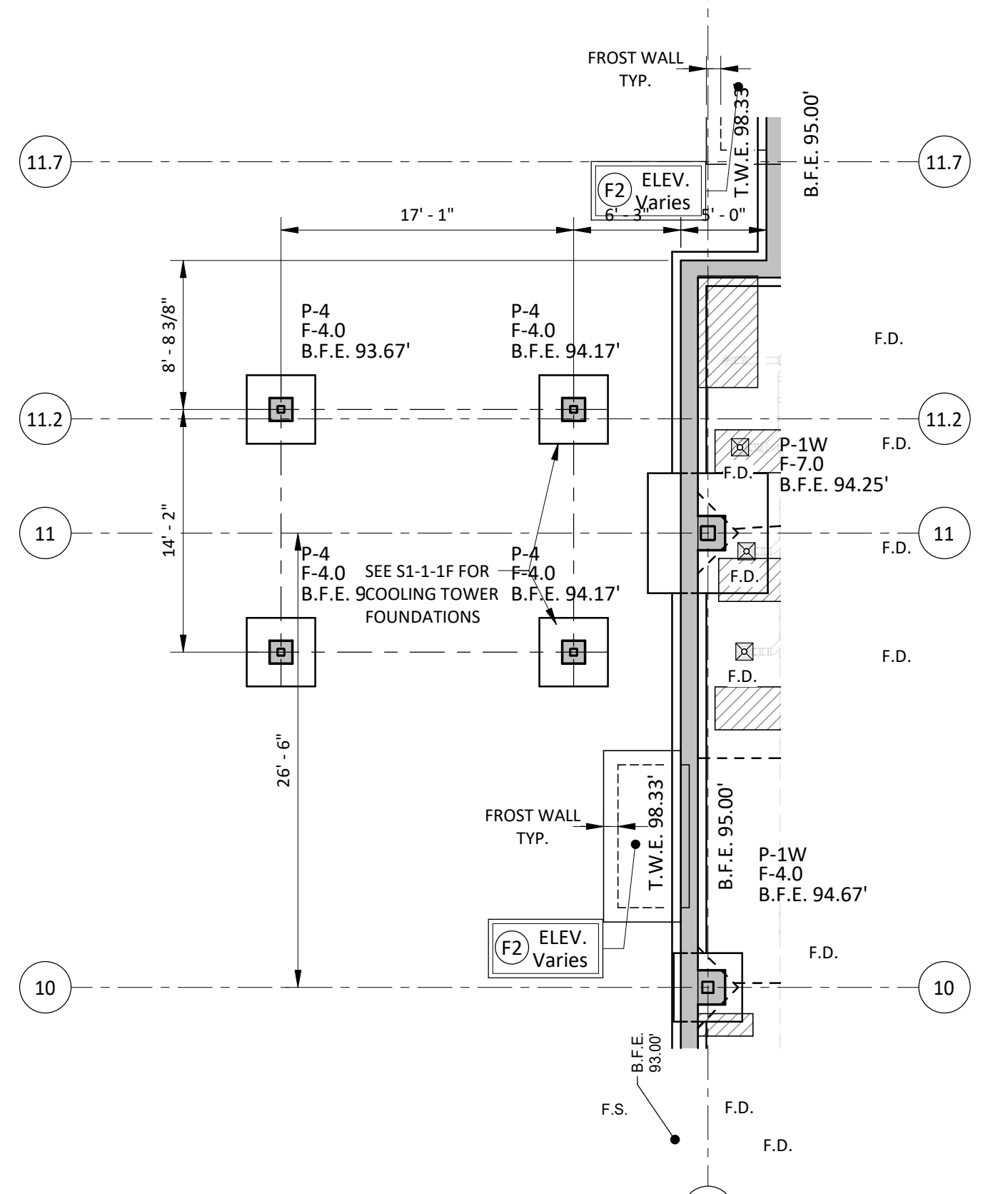
FOUNDATION PLAN - AREA F
SCALE: 1/8" = 1'-0"

NOTES:
1. FOR PLAN NOTES SEE SHEET S-1-1-E FOUNDATION PLAN - PART E

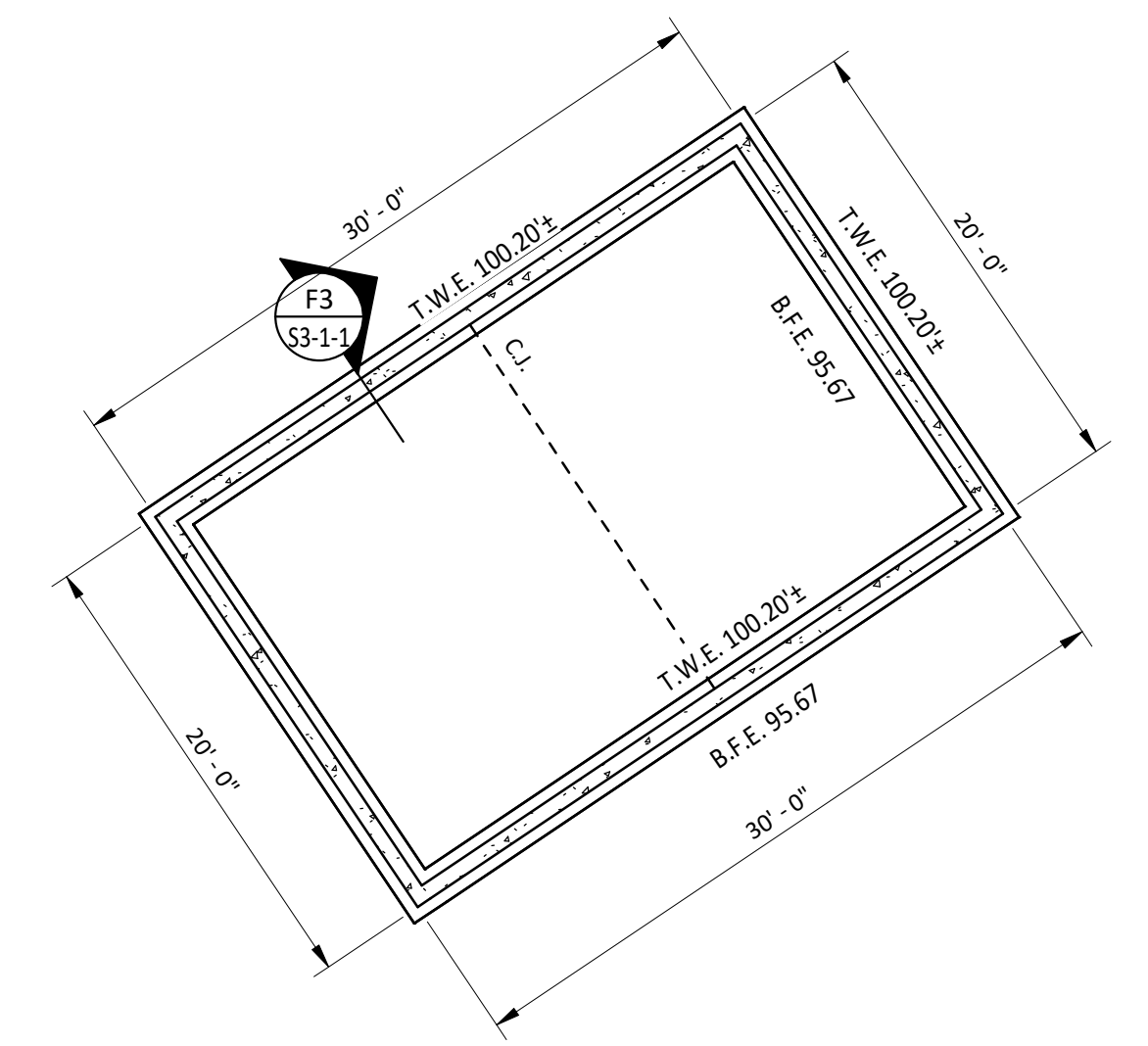


FOUNDATION PLAN - STORAGE BUILDING
SCALE: 1/8" = 1'-0"

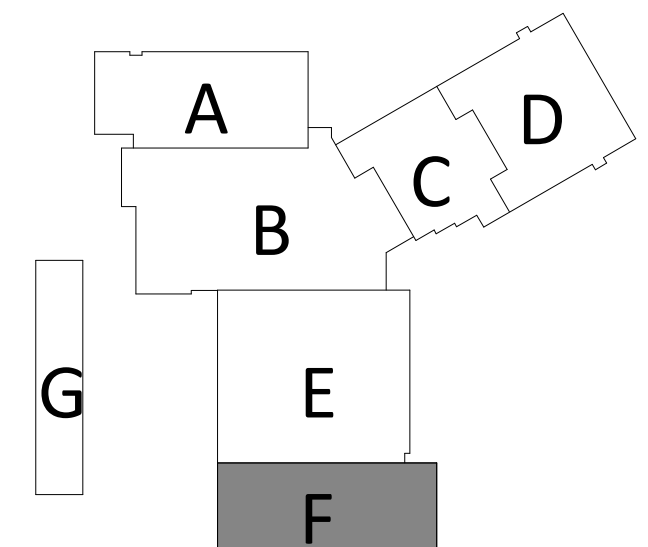
NOTES:
1. STORAGE BUILDING FOUNDATIONS ARE INCLUDED UNDER SUPPLEMENTAL BID NO. 1.
2. TOP OF SLAB ELEVATION 100'-0" IS A REFERENCE ELEVATION-FOR ACTUAL ELEVATIONS SEE SITE DRAWINGS



FOUNDATION PLAN - Cooling Tower
SCALE: 1/8" = 1'-0"



FOUNDATON PLAN - "e-House"
SCALE: 1/8" = 1'-0"



100% CONSTRUCTION DOCUMENTS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES																																											
drawing FOUNDATION PLAN - AREA F		drawing SZEWCAZAK ASSOCIATES 300 Main Street Avon, CT 06001																																											
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> <th>drawing</th> <th>date</th> <th>description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>06/02/2019</td> <td>ADDENDUM #3</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>06/09/2019</td> <td>ADDENDUM #4</td> <td></td> <td></td> </tr> </tbody> </table>		REVISIONS		drawing	date	description	3	06/02/2019	ADDENDUM #3			4	06/09/2019	ADDENDUM #4			<table border="1"> <thead> <tr> <th>date</th> <th>description</th> <th>drawing</th> </tr> </thead> <tbody> <tr> <td>05/24/2019</td> <td></td> <td>dat</td> </tr> <tr> <td></td> <td></td> <td>scale</td> </tr> <tr> <td></td> <td></td> <td>As Indicated</td> </tr> <tr> <td></td> <td></td> <td>drawn</td> </tr> <tr> <td></td> <td></td> <td>JNC</td> </tr> <tr> <td></td> <td></td> <td>approved</td> </tr> <tr> <td></td> <td></td> <td>PJC</td> </tr> <tr> <td></td> <td></td> <td>drawing</td> </tr> </tbody> </table>		date	description	drawing	05/24/2019		dat			scale			As Indicated			drawn			JNC			approved			PJC			drawing
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projec ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461		CAD DCS project BIRT-076 CM-R																																											
OSCGR project 900-0113		S1-1-1F																																											

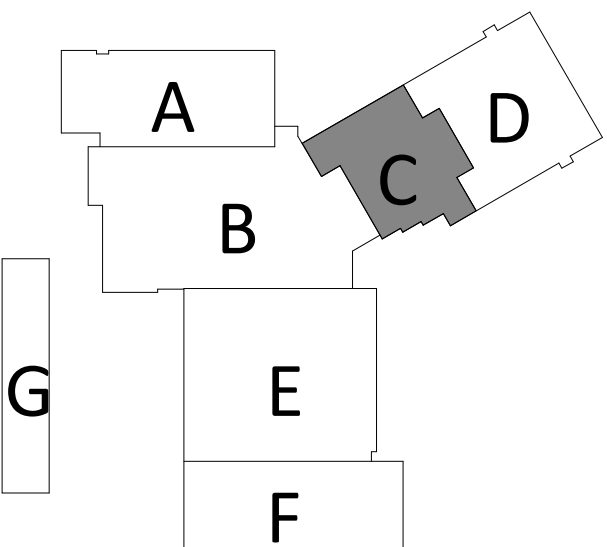




- SECOND FLOOR FRAMING PLAN NOTES:**
- TOP OF SLAB SHALL BE AT ELEVATION 117'-0" (+18'-0" A.F.F.).
 - TOP OF STEEL SHALL BE AT ELEVATION 116'-6" (+17'-6"), UNLESS OTHERWISE SHOWN THUS (...) OR (...) INDICATING DISTANCE ABOVE OR BELOW ELEVATION 116'-6".
 - [+...] INDICATES TOP OF ROOF STEEL GIRDER ELEVATION AT CENTER LINE OF COLUMN. ALL ELEVATIONS ARE REFERENCED TO TOP OF STEEL ELEVATION INDICATED.
 - $\frac{S-1}{S4-1-2}$ INDICATES SPAN OF 6" CONCRETE SLAB (TOTAL DEPTH) COMPRISED OF 4 1/2" CONCRETE TOPPING REINF. WITH 6X6-W2.9XW2.9 ON 1 1/2" DEEP, 20 GAUGE, GALVANIZED COMPOSITE METAL DECK. SEE SLAB SCHEDULE ON DRAWING S1-1-2 FOR MORE INFORMATION.
 - NUMBER SHOWN AFTER BEAM SIZE (I.E. ... +20 S.C.) INDICATES THE NUMBER OF 3/4" DIAMETER X 4" HIGH, STUD TYPE, HEADED SHEAR CONNECTORS TO BE SPACED UNIFORMLY ALONG THE TOP FLANGE OF BEAM, UNLESS OTHERWISE SHOWN.
 - PROVIDE FLOOR OPENING FRAME (F.O.F.) FOR ALL OPENINGS IN CONCRETE SLAB LARGER THAN 12" IN ANY DIRECTION PER DETAIL ON DRAWING S1-1-2.
 - $\frac{D}{DA}$ INDICATES 1-1/2" DEEP, 20 GAGE, WIDE RIB (TYPE B), GALVANIZED METAL ROOF DECK.
 - $\frac{DA}{DA}$ INDICATES 1-1/2" DEEP, 20 GAGE, WIDE RIB (TYPE "BA"), GALVANIZED ACOUSTICAL METAL ROOF DECK.
 - PROVIDE ROOF OPENING FRAME (R.O.F.) FOR ALL OPENINGS IN METAL ROOF DECK LARGER THAN 12" IN ANY DIRECTION PER DETAIL RT1/S1-1-3. REINFORCE DECK OPENINGS FROM 6" TO 12" IN SIZE WITH L2"x2"x1/4" STEEL ANGLE. EXTEND A MIN. OF 2 FLUTES EACH SIDE OF OPENING AND WELD TO DECK.
 - LOCATION OF BEAM WEB OPENING. G.C. TO COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL CONTRACTOR. SEE STEEL BEAM WEB OPENING SCHEDULE ON DRAWING S0-0-2 FOR REINFORCEMENT REQUIREMENTS - TYPICAL.
 - \bullet INDICATES MOMENT CONNECTION WHICH SHALL DEVELOP THE FLEXURAL CAPACITY OF THE MEMBER.
 - EXPOSED TUBULAR STEEL TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE REQUIREMENTS FOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS). ALL EXPOSED CORNERS TO BE BEVELED AND FULLY WELDED ALL AROUND. ALL EXPOSED TUBE-TO-TUBE CONNECTIONS TO BE WELDED ALL AROUND. G.C. TO COORDINATE EXTENTS WITH ARCHITECTURAL DRAWINGS TYPICAL.
 - ALL CONDUITS OR PIPING SHALL BE PLACED OUTSIDE OF THE STRUCTURAL SLAB, NO CONDUIT OR PIPING SHALL BE PLACED WITHIN THE STRUCTURAL SLAB.

- FIREPROOFING NOTES:**
- STEEL COLUMNS SHOWN ON THIS DRAWING TO RECEIVE 2-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING UNLESS INDICATED AS A ROUND HSS COLUMN. EXPOSED TO VIEW PORTION OF ROUND HSS COLUMNS TO RECEIVE 2-HOUR FIRE RATING BY INTUMESCENT MASTIC FIREPROOFING. CONCEALED FROM VIEW PORTION OF ROUND HSS COLUMN TO RECEIVE 2-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING.
 - EXPOSED TO VIEW PORTION OF BEAM ON COLUMN LINE 22.1 TO RECEIVE 2-HOUR FIRE RATING BY INTUMESCENT MASTIC FIREPROOFING AND CONCEALED PORTION OF BEAM TO RECEIVE 2-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING.
 - EXPOSED TO VIEW STEEL GIRT AT STAIR 3 TO RECEIVE 2-HOUR FIRE RATING BY INTUMESCENT MASTIC FIREPROOFING.
 - STEEL BEAMS AND KICKERS, ON THIS DRAWING, SUPPORTING SECOND FLOOR TO RECEIVE 2-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING.
 - STEEL BEAMS AND KICKERS, ON THIS DRAWING, SUPPORTING ROOF TO RECEIVE 1-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING. METAL ROOF DECK TO RECEIVE 1-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING.

SECOND FLOOR AND LOW ROOF FRAMING PLAN - AREA C
SCALE: 1/8" = 1'-0"



100% CONSTRUCTION DOCUMENTS

drawing
SECOND FLOOR FRAMING
PLAN - AREA C

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

REVISIONS			drawing	date
mar	date	description	SZEWCAZAK ASSOCIATES 300 River Street Avon, CT 06001	05/24/2019
4	06/09/2019	ADDENDUM #4		As indicated

projec:
**ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL**
600 Orange Avenue
Middletown, CT 06461

CAD
DCS project
BRT-076 CM-R

OSCGR project
900-0113

approved
drawing

S1-1-2C

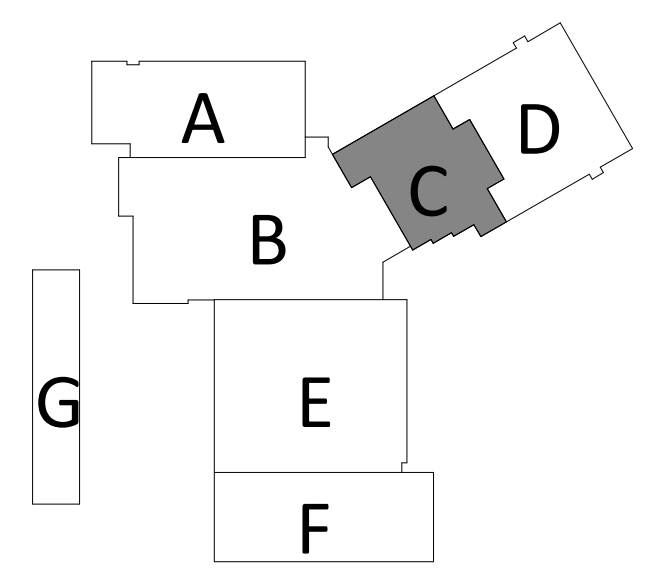




- ROOF FRAMING PLAN NOTES:**
1. TOP OF STEEL SHALL BE AT ELEVATION 131'-0" (+14'-0" A.F.F.) UNLESS OTHERWISE SHOWN THUS (+...) OR (-...) INDICATING THE DISTANCE ABOVE OR BELOW ELEVATION 131'-0".
 2. [E...] INDICATES TOP OF STEEL GIRDER ELEVATION AT CENTER LINE OF COLUMN. ALL ELEVATIONS ARE REFERENCED TO TOP OF STEEL ELEVATION 131'-0" (+14'-0" A.F.F.).
 3. (D) INDICATES 1 1/2" DEEP, 20 GAGE, WIDE RIB (TYPE "B"), GALVANIZED METAL ROOF DECK.
 4. (DA) INDICATES 1-1/2" DEEP, 20 GAGE, WIDE RIB (TYPE "BA"), GALVANIZED ACOUSTICAL METAL ROOF DECK.
 5. PROVIDE ROOF OPENING FRAME (R.O.F.) FOR ALL OPENINGS IN METAL ROOF DECK LARGER THAN 12" IN ANY DIRECTION PER DETAIL R1 ON DRAWING S1-1-3. REINFORCE DECK OPENINGS FROM 6" TO 12" IN SIZE W/ L2x2x1/4 STEEL ANGLE. EXTEND A MINIMUM OF 2 FLUTES EACH SIDE OF OPENING AND WELD TO DECK.
 6. ● INDICATES MOMENT CONNECTION WHICH SHALL DEVELOP THE FLEXURAL CAPACITY OF THE MEMBER.
 7. PROVIDE DIAGONAL JOIST BRIDGING WITH BOLTED CONNECTIONS IN ACCORDANCE WITH SJI REQUIREMENTS. JOIST DESIGNER SHALL PROVIDE BRIDGING AS REQUIRED TO ADEQUATELY BRACE THE JOISTS AGAINST LATERAL MOVEMENT UNDER FULL LOAD. PROVIDE BOTTOM CHORD UPLIFT BRIDGING AS REQUIRED.
 8. ALL JOISTS SHALL BE DESIGNED FOR NET MINIMUM WIND UPLIFT OF 15 PSF. JOISTS AND PERIMETER LOCATED WITHIN 10' OF EXTERIOR WALL SHALL BE DESIGNED FOR NET UPLIFT OF 25 PSF.
 9. "L" INDICATES STEEL JOIST TO HAVE BOTTOM CHORD EXTENSIONS AT STEEL COLUMN LOCATIONS.
 10. BRACING "VB-*" INDICATES VERTICAL BRACING. SEE BRACING ELEVATIONS ON DRAWING S2-2-1 FOR REQUIREMENTS.
 11. OPEN WEB STEEL ROOF JOISTS TO BE DESIGNED TO SUPPORT ADDITIONAL POINT LOADS INDICATED AT LOCATION OF ALL MECHANICAL ROOF TOP UNITS AND EQUIPMENT. COORD. ACTUAL LOCATION WITH MECHANICAL DRAWINGS AND SUPPLIER. ADDITIONAL POINT LOADS:
 12. ALL CONDUITS OR PIPING SHALL BE PLACED BELOW THE STRUCTURAL SLAB, NO CONDUIT OR PIPING SHALL BE PLACED WITHIN THE STRUCTURAL SLAB.

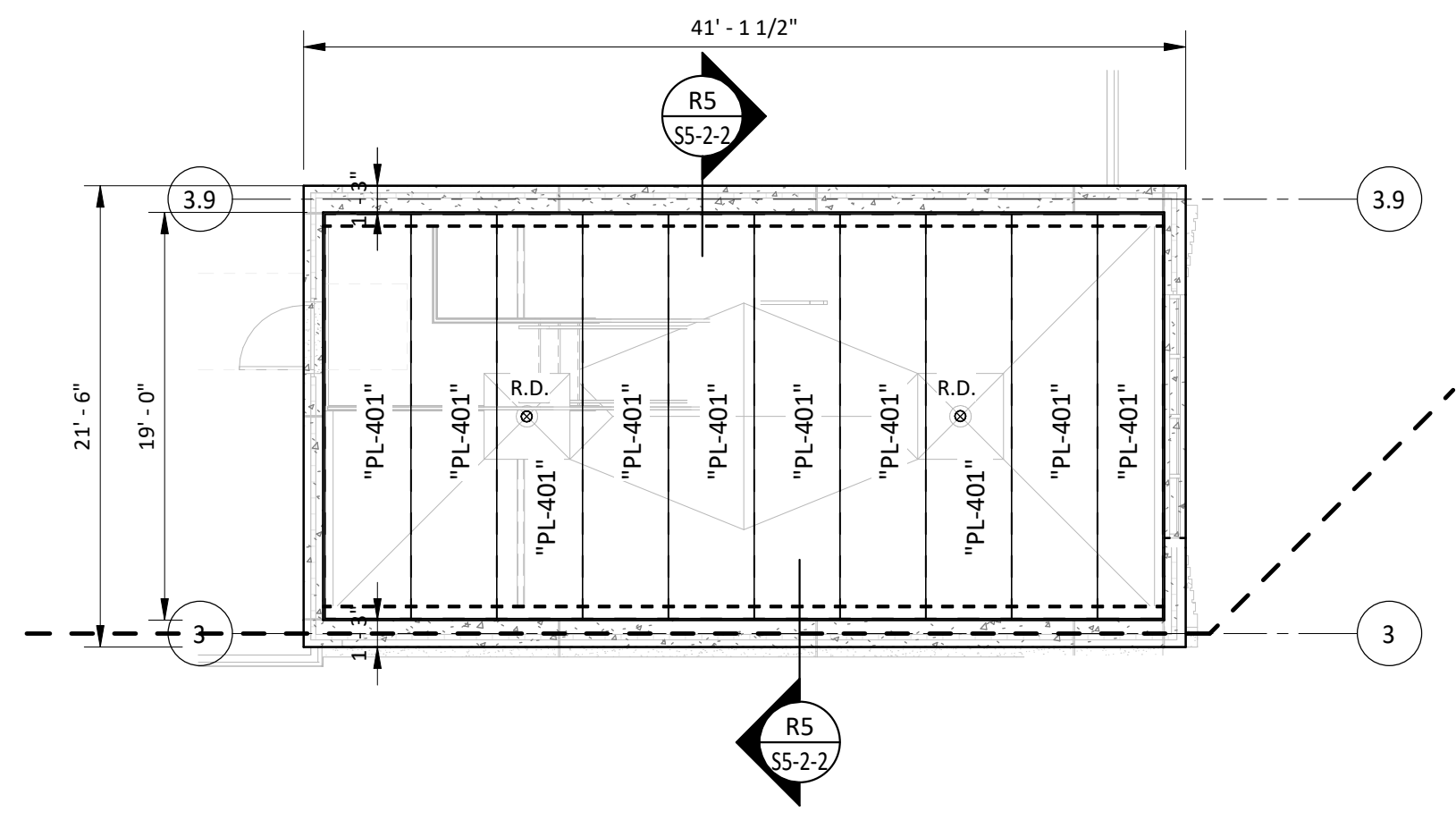
- FIREPROOFING NOTES:**
1. STEEL COLUMNS SHOWN ON THIS DRAWING TO RECEIVE 2-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING UNLESS INDICATED AS A ROUND HSS COLUMN. EXPOSED TO VIEW PORTION OF ROUND HSS COLUMN TO RECEIVE 2-HOUR FIRE RATING BY INTUMESCENT MASTIC FIREPROOFING. CONCEALED FROM VIEW PORTION OF ROUND HSS COLUMN TO RECEIVE 2-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING.
 2. STEEL BEAMS AND KICKERS, ON THIS DRAWING, SUPPORTING FLOOR TO RECEIVE 2-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING.
 3. STEEL BEAMS AND KICKERS, ON THIS DRAWING, SUPPORTING ROOF TO RECEIVE 1-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING. METAL ROOF DECK TO RECEIVE 1-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING.

ROOF FRAMING PLAN - AREA C
SCALE: 1/8" = 1'-0"

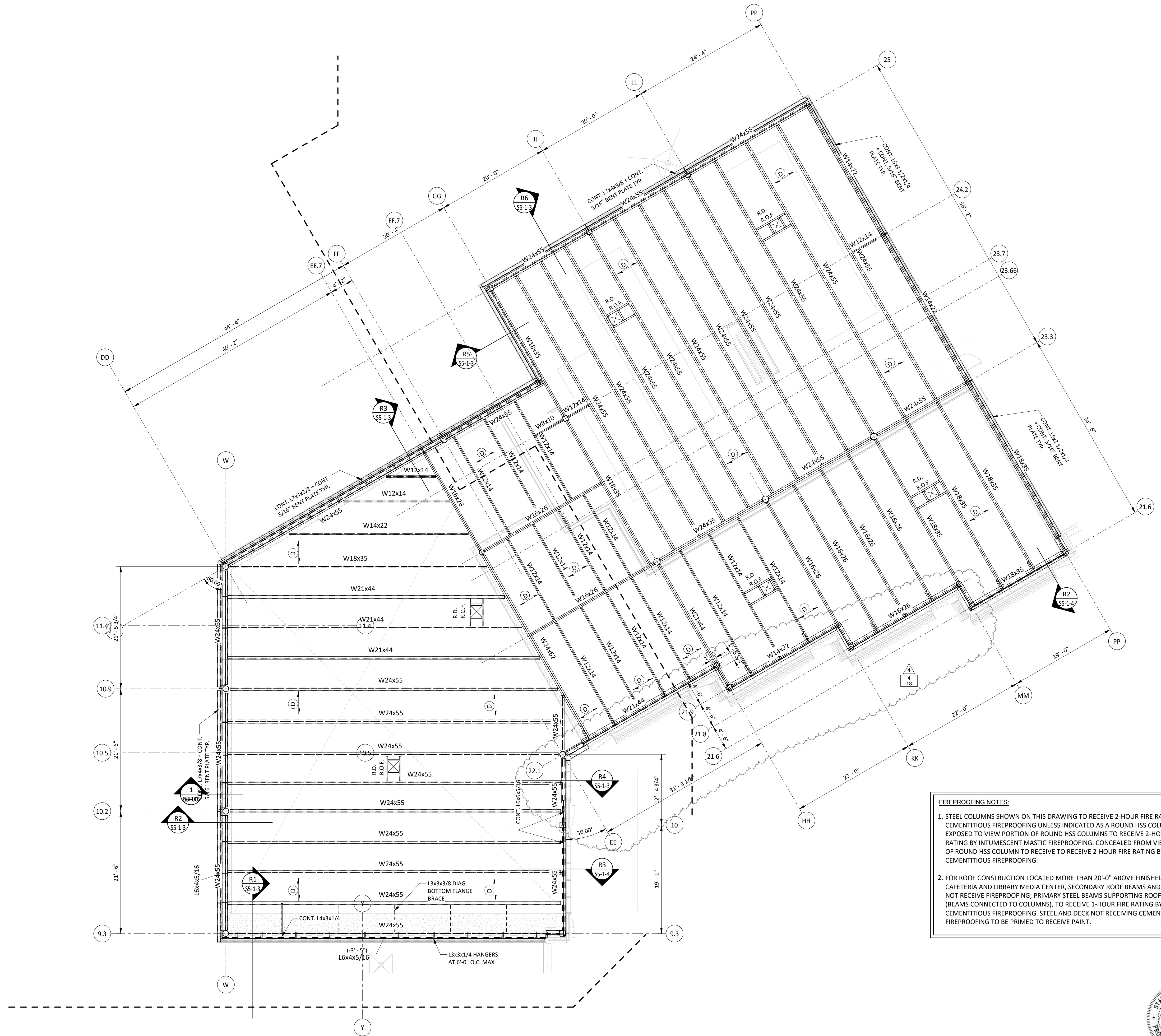


100% CONSTRUCTION DOCUMENTS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
drawing	THIRD FLOOR AND ROOF FRAMING PLAN - AREA C		drawing	SZEWCAZAK ASSOCIATES
REVISIONS			date	05/24/2019
mar	date	description	scale	As indicated
4	06/09/2019	ADDENDUM #4	drawn	ms
projec			approved	psc
ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL			drawing	
CAD	DCS project	OSCGR project		S1-1-3C
	BLRT-076 CM-R	990-0113		





HIGH ROOF FRAMING PLAN - AREA E
SCALE: 1/8" = 1'-0"



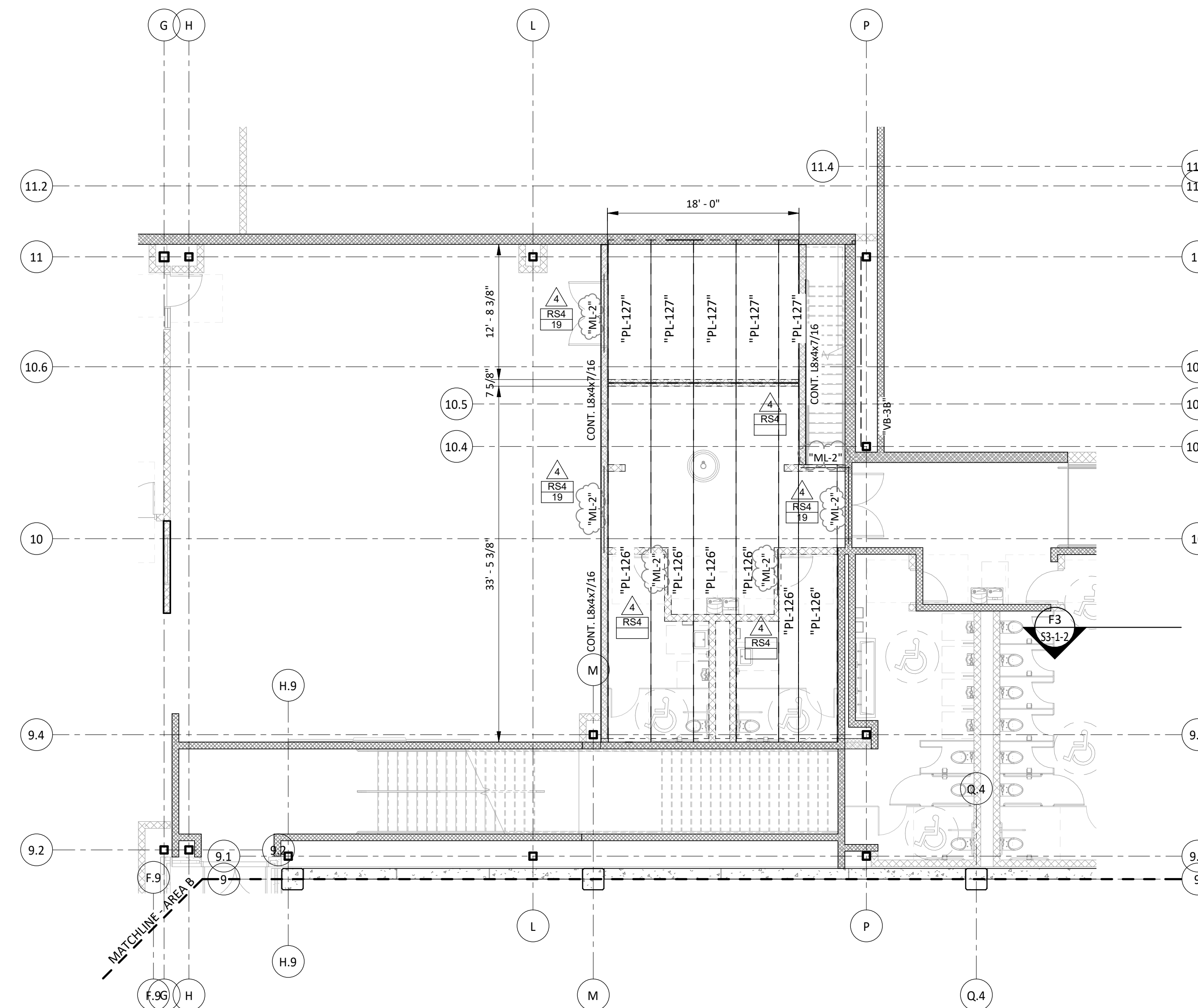
HIGH ROOF FRAMING PLAN - AREA B AND C
SCALE: 1/8" = 1'-0"

FIREPROOFING NOTES:

1. STEEL COLUMNS SHOWN ON THIS DRAWING TO RECEIVE 2-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING UNLESS INDICATED AS A ROUND HSS COLUMN EXPOSED TO VIEW PORTION OF ROUND HSS COLUMNS TO RECEIVE 2-HOUR FIRE RATING BY INTUMESCENT MASTIC FIREPROOFING, CONCEALED FROM VIEW PORTION OF ROUND HSS COLUMN TO RECEIVE TO RECEIVE 2-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING.
2. FOR ROOF CONSTRUCTION LOCATED MORE THAN 20'-0" ABOVE FINISHED FLOOR, AT CAFETERIA AND LIBRARY MEDIA CENTER, SECONDARY ROOF BEAMS AND DECK SHALL NOT RECEIVE FIREPROOFING; PRIMARY STEEL BEAMS SUPPORTING ROOF ONLY (BEAMS CONNECTED TO COLUMNS), TO RECEIVE 1-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING. STEEL AND DECK NOT RECEIVING CEMENTITIOUS FIREPROOFING TO BE PRIMED TO RECEIVE PAINT.



100% CONSTRUCTION DOCUMENTS			STATE OF CONNECTICUT	
drawing HIGH ROOF FRAMING PLAN			DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS			drawing SZEWCZAK ASSOCIATES	date 05/24/2019
mar	06/09/2019	ADDENDUM #4	scale 1/8" = 1'-0"	drawn Author
projec ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL			approved Approver	drawing
CAD DCS project BLRT-076 C.M.R.			OSCGR project 990-0013	S1-14



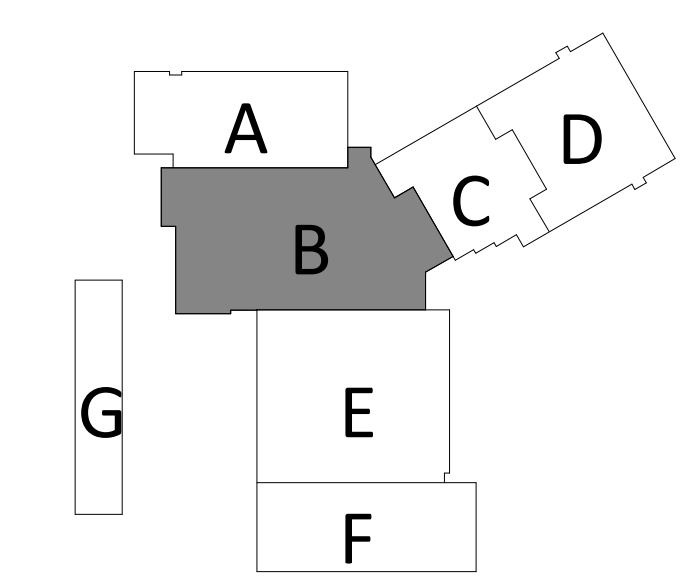
MEZZANINE FRAMING PLAN - AREA B

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

MEZZANINE FLOOR FRAMING PLAN NOTES:

1. TOP OF FINISH FLOOR SLAB SHALL BE AT ELEVATION 108'-0" (+11'-0").
2. TOP OF CONCRETE FLOOR PLANK SHALL BE AT ELEVATION 107'-10" (+10'-10").
3. "PL-#" INDICATES 10" (U.O.N.) DEEP PRECAST, PRESTRESSED CONCRETE PLANKS. ALL PRECAST PLANKS SHALL USE 5000 PSI, NORMAL WEIGHT CONCRETE.
4. EACH PLANK SHALL BE LEVELED WITH ADJACENT PLANK AND HAVE SHEAR KEYS GROUDED SOLID. TOPS OF ALL CONCRETE PLANKS SHALL BE ROUGHENED TO RECEIVE A MINIMUM 2" CONCRETE TOPPING.
5. ALL CONCRETE PLANKS SHALL HAVE A MINIMUM ALLOWABLE LIVE LOAD = 125 PSF.
6. ALL CONCRETE PLANKS SHALL BEAR ON A MINIMUM OF 3" ON ALL SUPPORTS.
7. EACH CONCRETE PLANK SHALL BE PROVIDED WITH AN INTEGRAL STEEL WELD PLATE AT ALL PLANK CORNERS AND SHALL BE WELDED TO STEEL SUPPORT FRAMING MEMBERS.
8. G.C. TO COORDINATE EXACT LOCATIONS AND EXTENTS OF PENETRATIONS IN CONCRETE PLANKS WITH CONCRETE SUPPLIER AND MECHANICAL EQUIPMENT SUPPLIER, TYPICAL.
9. "ML-#" INDICATES NEW MASONRY LINTEL - SEE CMU LINTEL SECTIONS ON DRAWING 50-0-2 FOR DETAILS. ALL MASONRY LINTELS SHALL BE "ML-1" U.O.N.

FIREPROOFING NOTES:
 1. STEEL BEAM SUPPORT MECHANICAL MEZZANINE AT ROOM MECHANTRONICS, B144, TO RECEIVE 2-HOUR FIRE RATING BY CEMENTITIOUS FIREPROOFING.



100% CONSTRUCTION DOCUMENTS

drawing
MEZZANINE FRAMING PLAN - AREA B

REVISIONS		
mar	date	description
4	06/09/2019	ADDENDUM #4

STATE OF CONNECTICUT
 DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing
SZEWCAZAK ASSOCIATES
 300 Pioneer Street
 Avon, CT 06001

projec
**ADDITIONS AND RENOVATIONS
 PLATT TECHNICAL HIGH SCHOOL**

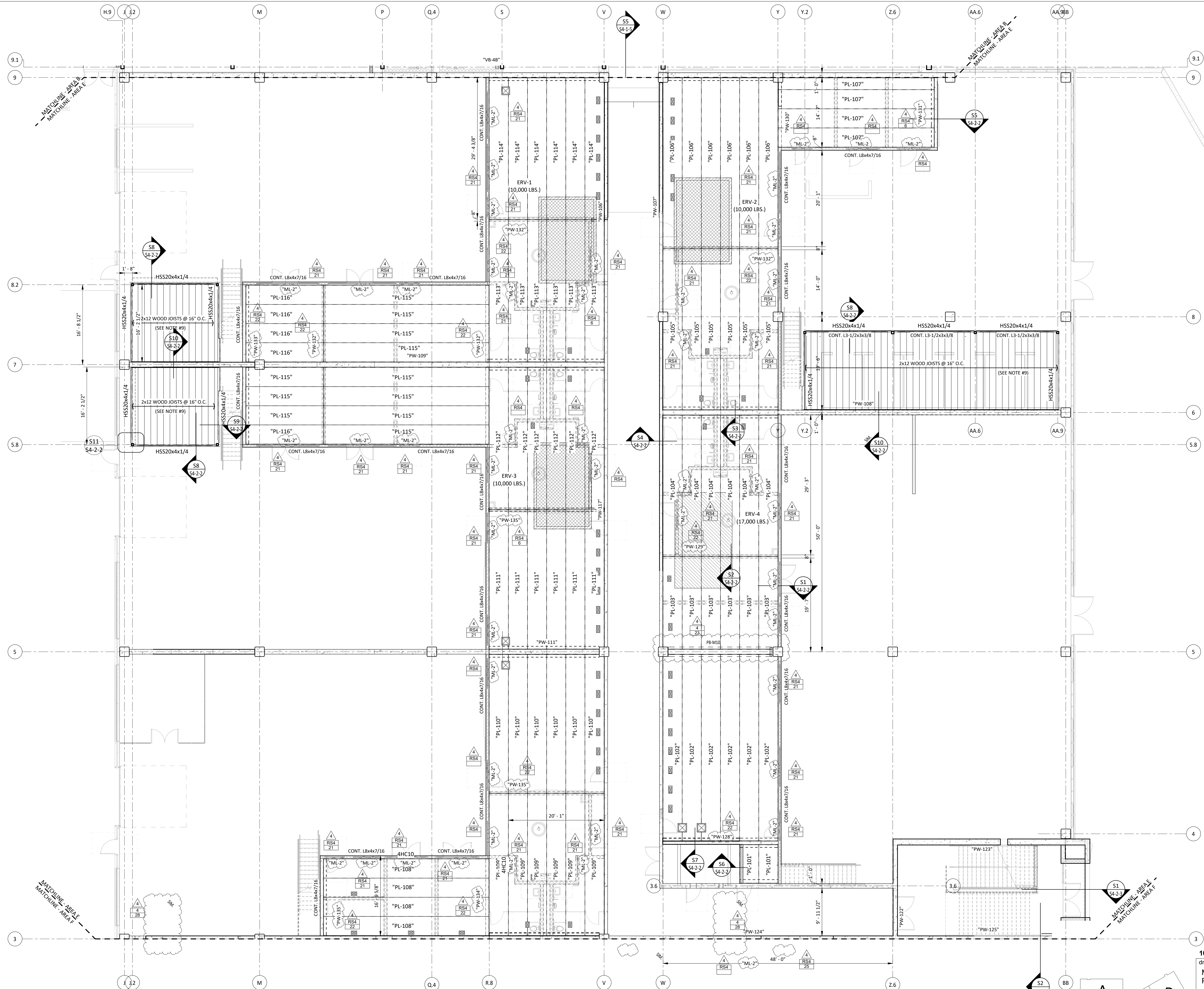
600 Orange Avenue
 Middletown, CT 06461

CAD
 DCS project
 B1-RT-076 CM-R

OSCGR project
 900-0113



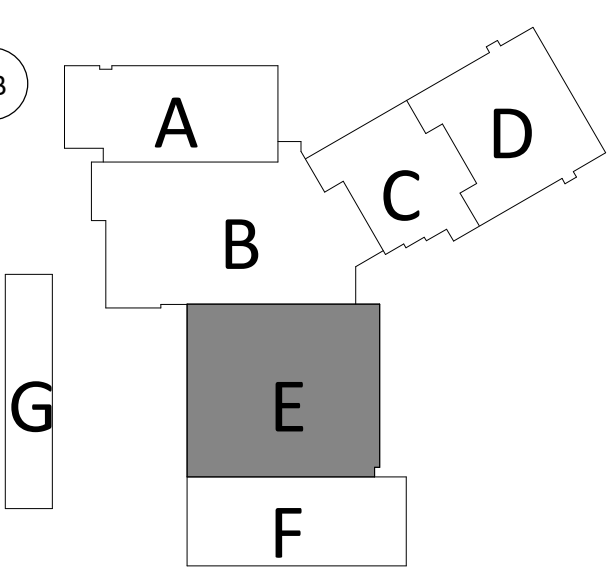
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S1-1-MB




- MEZZANINE FLOOR FRAMING PLAN NOTES:**
1. TOP OF FINISH FLOOR SLAB SHALL BE AT ELEVATION 106'-8" (+9'-8").
 2. TOP OF CONCRETE FLOOR PLANK SHALL BE AT ELEVATION 106'-6" (+9'-6").
 3. "PL-**" INDICATES 10" (U.O.N.) DEEP PRECAST, PRESTRESSED CONCRETE PLANKS. ALL PRECAST PLANKS SHALL USE 5000 PSI, NORMAL WEIGHT CONCRETE.
 4. EACH PLANK SHALL BE LEVELED WITH ADJACENT PLANK AND HAVE SHEAR KEYS GROUDED SOLID. TOPS OF ALL CONCRETE PLANKS SHALL BE ROUGHENED TO RECEIVE A MINIMUM 2" CONCRETE TOPPING.
 5. ALL CONCRETE PLANKS SHALL HAVE A MINIMUM ALLOWABLE LIVE LOAD = 125 PSF.
 6. ALL CONCRETE PLANKS SHALL BEAR ON A MINIMUM OF 3" ON ALL SUPPORTS.
 7. EACH CONCRETE PLANK SHALL BE PROVIDED WITH AN INTERGRAL STEEL WELD PLATE AT ALL PLANK CORNERS AND SHALL BE WELDED TO STEEL SUPPORT FRAMING MEMBERS.
 8. G.C. TO COORDINATE EXACT LOCATIONS AND EXTENTS OF PENETRATIONS IN CONCRETE PLANKS WITH CONCRETE SUPPLIER AND MECHANICAL EQUIPMENT SUPPLIER, TYPICAL.
 9. FRAMING TO CONSIST OF TWO (2) LAYERS OF 3/4" FIRE-RATED, TONGUE AND GROOVE PLYWOOD SHEATHING ON FIRE RETARDANT TREATED WOOD FLOOR JOISTS (LIVE LOAD=40 PSF). SEE PLAN FOR JOIST SIZE AND SPACING.

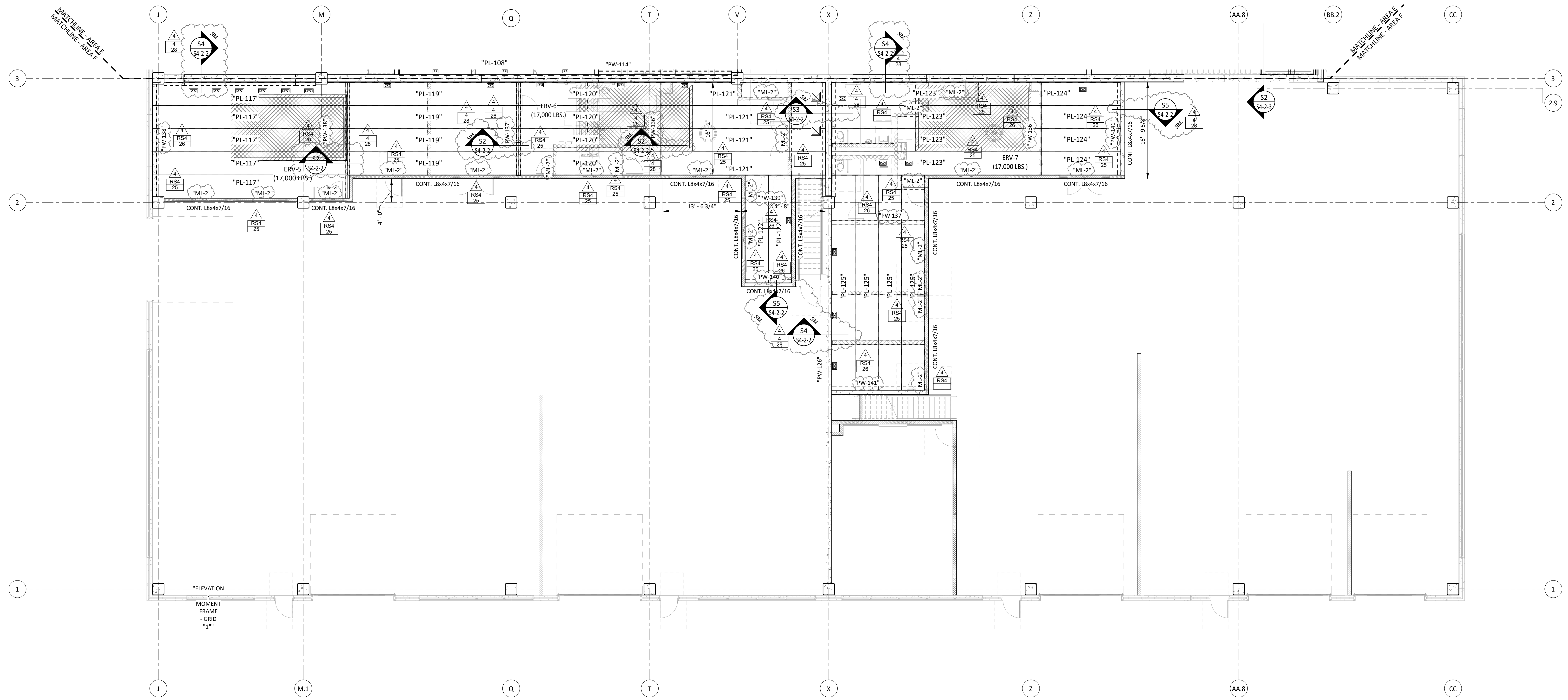
- FIREPROOFING NOTES:**
1. HSS COLUMNS AND HSS TUBE BEAMS SUPPORTING MEZZANINES AT E101 (PLUMBING), E114 (ELECTRICAL), AND E120 (HVAC) TO RECEIVE 2-HOUR FIRE RATING BY INTUMESCENT MASTIC FIREPROOFING.
 2. HSS BEAMS AT STAIR 5 TO RECEIVE 2-HOUR FIRE RATING BY INTUMESCENT MASTIC FIREPROOFING.

MEZZANINE FRAMING PLAN - AREA E
SCALE: 1/8" = 1'-0"



100% CONSTRUCTION DOCUMENTS

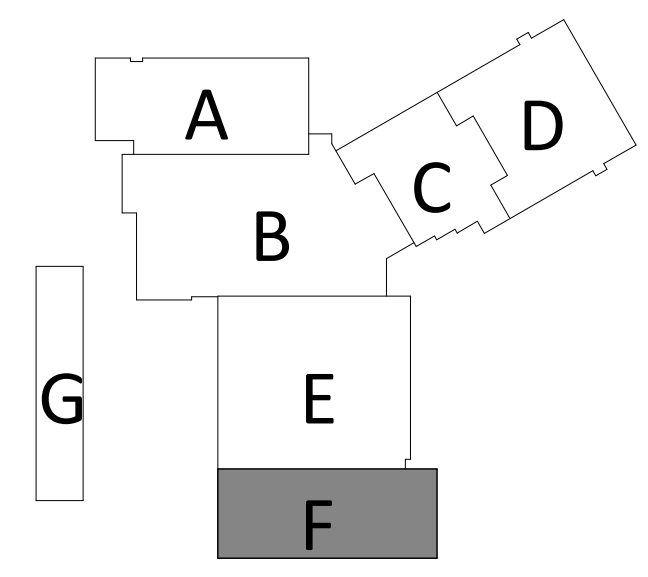
drawing MEZZANINE FRAMING PLAN - AREA E			 STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS mar date description 4 06/09/2019 ADDENDUM #4			drawing SZEWCAZAK ASSOCIATES 240 River Street Avon, CT 06011	
projec ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461			dat 05/24/2019 scale As Indicated drawn jnc approved psc drawing S1-1-ME	
CAD	DCS project BLRT-076 CM-R	OSCGR project 990-0113		



MEZZANINE FRAMING PLAN - AREA F

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

- MEZZANINE FLOOR FRAMING PLAN NOTES:**
1. TOP OF FINISH FLOOR SLAB SHALL BE AT ELEVATION 107'-4" (+10'-4").
 2. TOP OF CONCRETE FLOOR PLANK SHALL BE AT ELEVATION 107'-2" (+10'-2").
 3. "PL-#" INDICATES 10" (U.O.N.) DEEP PRECAST, PRESTRESSED CONCRETE PLANKS. ALL PRECAST PLANKS SHALL USE 5000 PSI, NORMAL WEIGHT CONCRETE.
 4. EACH PLANK SHALL BE LEVELED WITH ADJACENT PLANK AND HAVE SHEAR KEYS GROUTED SOLID. TOPS OF ALL CONCRETE PLANKS SHALL BE ROUGHENED TO RECEIVE A MINIMUM 2" CONCRETE TOPPING.
 5. ALL CONCRETE PLANKS SHALL HAVE A MINIMUM ALLOWABLE LIVE LOAD = 125 PSF.
 6. ALL CONCRETE PLANKS SHALL BEAR ON A MINIMUM OF 3" ON ALL SUPPORTS.
 7. EACH CONCRETE PLANK SHALL BE PROVIDED WITH AN INTEGRAL STEEL WELD PLATE AT ALL PLANK CORNERS AND SHALL BE WELDED TO STEEL SUPPORT FRAMING MEMBERS.
 8. G.C. TO COORDINATE EXACT LOCATIONS AND EXTENTS OF PENETRATIONS IN CONCRETE PLANKS WITH CONCRETE SUPPLIER AND MECHANICAL EQUIPMENT SUPPLIER, TYPICAL.



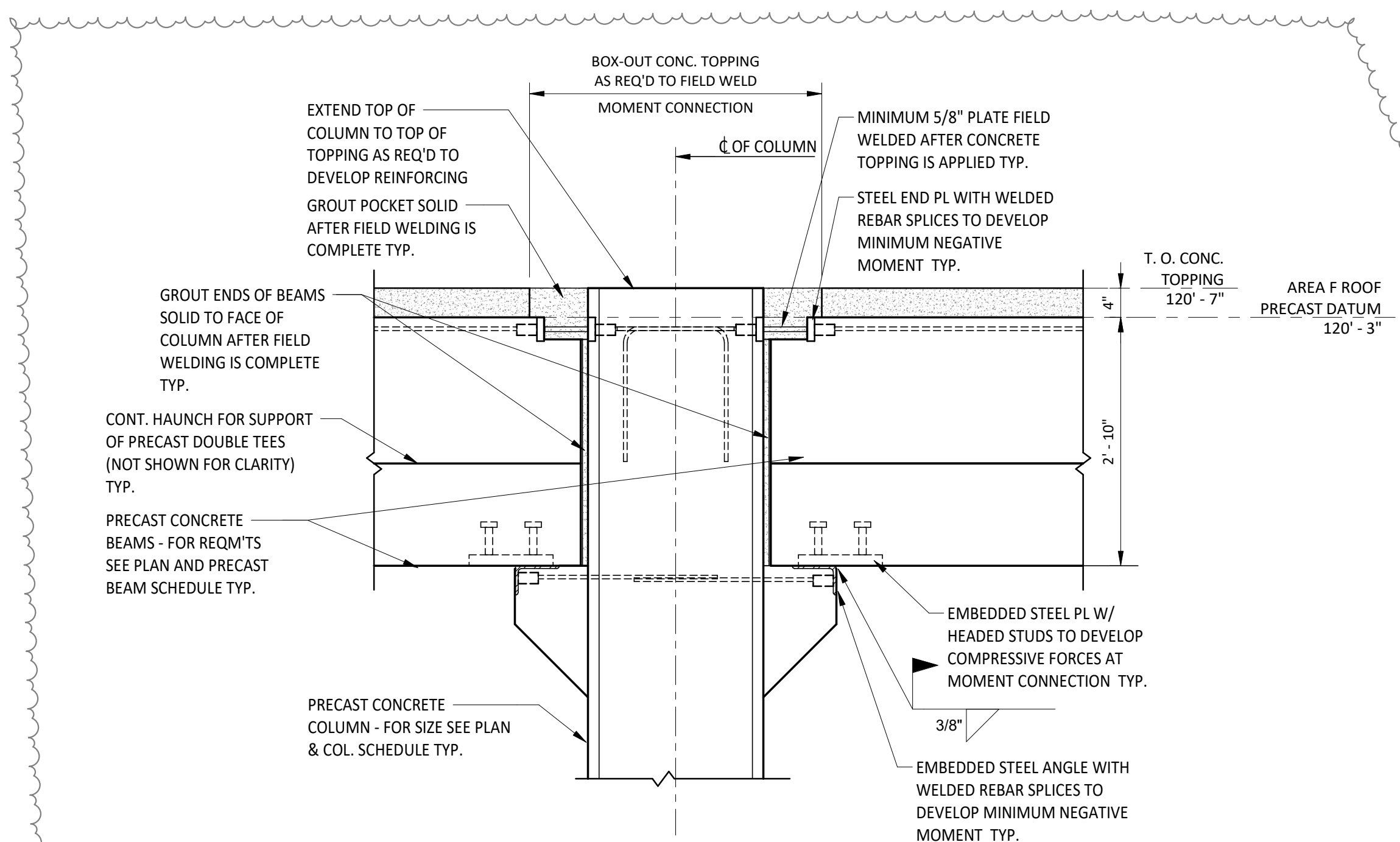
100% CONSTRUCTION DOCUMENTS																								
drawing MEZZANINE FRAMING PLAN - AREA F		drawing SZEWCAZAK ASSOCIATES 300 Pioneer Drive Aven, CT 06011																						
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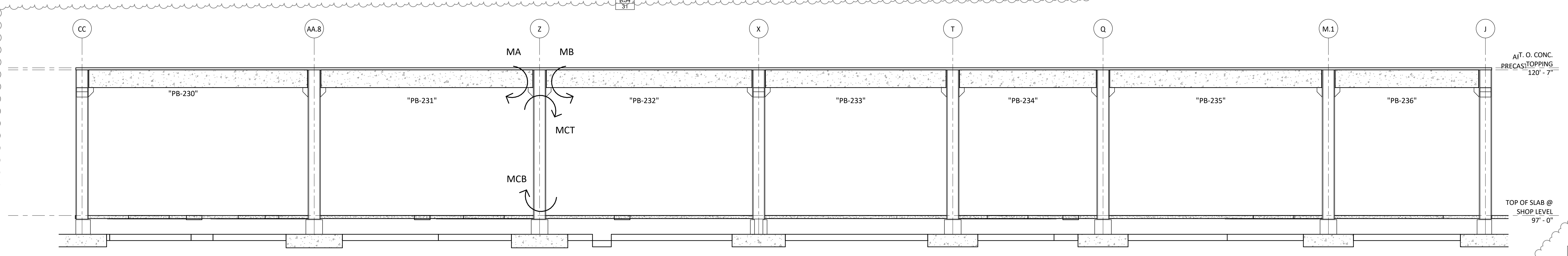
COLUMN NO.	PRECAST CONCRETE COLUMN SCHEDULE																																					
	J			M.1				M				Q				Q.4		T		V			W			X		Y			Z		Z.6					
LEVEL	1	2	3	5	7	9	1	2	3	5	7	9	1	2	5	9	1	2	3	5	9	5	8	9	1	2	5	8	9	1	2	5	8	9	1	2	5	
ROOF LEVEL TOP OF PRECAST ELEVATION 132'-1"																																						
AUTO ROOF LEVEL TOP OF PRECAST ELEVATION 121'-7"																																						
MEZZANINE TOP OF PRECAST ELEVATION 118'-0"																																						
MEZZANINE TOP OF PRECAST ELEVATION 107'-6"																																						
GROUND LEVEL TOP OF SLAB ELEVATION 98'-0"																																						
TOP OF PIER	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	
DEAD LOAD	176K	201K	75K	17K	168K	197K	181K	182K	125K	270K	234K	257K	190K	190K	290K	245K	165K	175K	75K	225K	131K	230K	175K	75K	213K	200K	445K	394K	162K	225K	222K	525K	85K	55K	71K	55K		
LIVE LOAD	---	---	---	---	---	---	---	---	30K	10K	18K	10K	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SNOW LOAD	26K	38K	15K	18K	18K	10K	42K	61K	40K	5K	8K	36K	40K	60K	52K	52K	37K	56K	5K	30K	26K	22K	15K	12K	45K	70K	45K	27K	30K	50K	71K	55K	55K	71K	55K			

COLUMN NO.	PRECAST CONCRETE COLUMN SCHEDULE														
	AA.3		AA.8			BB			BB.2		CC				
LEVEL	8	9	1	2	4	5	6	8	9	2.9	1	2	2.9		
ROOF LEVEL TOP OF PRECAST ELEVATION 132'-1"															
AUTO ROOF LEVEL TOP OF PRECAST ELEVATION 121'-7"															
MEZZANINE TOP OF PRECAST ELEVATION 118'-0"															
MEZZANINE TOP OF PRECAST ELEVATION 107'-6"															
GROUND LEVEL TOP OF SLAB ELEVATION 98'-0"															
TOP OF PIER	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	97.33'	
DEAD LOAD	394K	242K	230K	17K	168K	197K	181K	182K	270K	97K	215K	235K	60K		
LIVE LOAD	55K	52K	---	---	---	---	---	---	---	---	---	---	---		
SNOW LOAD	37K	31K	15K	18K	18K	10K	42K	61K	16K	10K	35K	50K	5K		

- PRECAST COLUMN SCHEDULE NOTES
- PRECAST CONCRETE COLUMNS TO BE NORMAL WEIGHT CONCRETE WITH MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
 - COLUMN BASE CONNECTIONS TO FOUNDATIONS ARE TO BE DESIGNED AND PROVIDED BY PRECAST SUPPLIER CONSIDERING ALL LOAD CASES INCLUDING UPLIFT AS REQUIRED BY THE CONNECTICUT STATE BUILDING CODE. CONTRACTOR TO COORDINATE EMBEDDED ITEMS, ANCHOR RODS, ETC. WITH FOUNDATION CONSTRUCTION.
 - ALL GROUTING SHALL BE DONE WITH NON-SHRIEK GROUT.
 - COLUMNS SHALL BE DESIGNED TO SUPPORT THE UNFACTORED SUPERIMPOSED LOADS GIVEN.
 - CONTRACTOR TO COORDINATE AND CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL, MECHANICAL, AND SITE REQUIREMENTS. SUBMIT DETAILED PANEL LAYOUT SHOP DRAWINGS TO ARCHITECT FOR FINAL REVIEW AND APPROVAL PRIOR TO FABRICATION.
 - SUBMIT DETAILED CALCULATIONS OF ALL PRECAST COLUMNS. DESIGNS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF CONNECTICUT. ALL SUBMISSIONS SHALL BEAR ENGINEERS SEAL.
 - SEE ARCHITECTURAL/MECHANICAL/SITE DRAWINGS FOR ADDITIONAL REQUIREMENTS - G.C. TO COORDINATE.
 - ANCHOR BOLTS TO BE DESIGNED AND FURNISHED TO CONCRETE CONTRACTOR FOR PLACEMENT. ANCHOR BOLTS SHALL HAVE EMBEDDED NUT FOR ANCHORAGE.
 - UPPER PORTION OF COLUMN TO BE 20"x24" TO MATCH PRECAST BEARING WALL THICKNESS.



MOMENT FRAME SCHEDULE									
1.0 x DEAD - MOMENTS (FT-KIPS)									
	CC	AA.8	Z	X	T	Q	M.1	J	
MA	-106	-233	-180	-172	-112	-127	-181	-34	
MB	---	-207	-180	-160	-87	-164	-148	---	
MCT	106	23	0	-12	26	37	32	-34	
MCB	50	-15	0	8	15	-16	18	19	
1.0 x EARTHQUAKE - MOMENTS (FT-KIPS)									
	CC	AA.8	Z	X	T	Q	M.1	J	
MA	116	-92	-78	-80	-77	-100	-64	-137	
MB	116	74	82	83	96	68	111	---	
MCT	-116	-167	-160	-163	-173	-167	-175	-137	
MCB	167	191	188	190	195	192	196	178	
1.0 x SNOW - MOMENTS (FT-KIPS)									
	CC	AA.8	Z	X	T	Q	M.1	J	
MA	---	-173	-135	-128	-83	-94	-134	-25	
MB	-79	-154	-134	-119	-64	-121	-110	---	
MCT	79	-19	0	-9	-19	27	-24	-25	
MCB	-37	11	0	6	11	-12	13	14	



- NOTES
- ALL BEAMS ARE TO BE DESIGNED TO SUPPORT ALL GRAVITY LOADS SHOWN IN PRECAST BEAM SCHEDULE AS SIMPLY SUPPORTED BEAM.
 - DESIGN FRAME TO RESIST 100 KIP SEISMIC FORCE (ULTIMATE).
 - DEAD LOAD MOMENTS SHOWN ARE BASED UPON ANTICIPATED DEAD LOADS (50 PSF) APPLIED AFTER CONCRETE TOPPING IS APPLIED. LOADS ARE UNFACTORED.
 - SNOW LOAD MOMENTS ARE BASED UPON USING A UNIFORM FLAT ROOF SNOW LOAD OF 35 PSF AND ARE UNFACTORED.
 - SEE SECTION "RS4 31" FOR TYPICAL FIELD WELDED MOMENT CONNECTION TO BE APPLIED AFTER CONCRETE TOPPING IS APPLIED.
 - DESIGN SHALL BE BASED UPON LOAD COMBINATIONS AS NOTED IN ASCE-10.

100% CONSTRUCTION DOCUMENTS

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing
PRECAST COLUMN SCHEDULE

drawn by
SZEWCAK ASSOCIATES
200 River Street
Avon, CT 06011

DATE
06/09/2019

DESCRIPTION
ADDENDUM #4

SCALE
As indicated

PROJECT
ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL
600 Orange Avenue
Middletown, CT 06451

DATE
05/24/2019

SCALE
As indicated

PROJECT
ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL
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DATE
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SCALE
As indicated

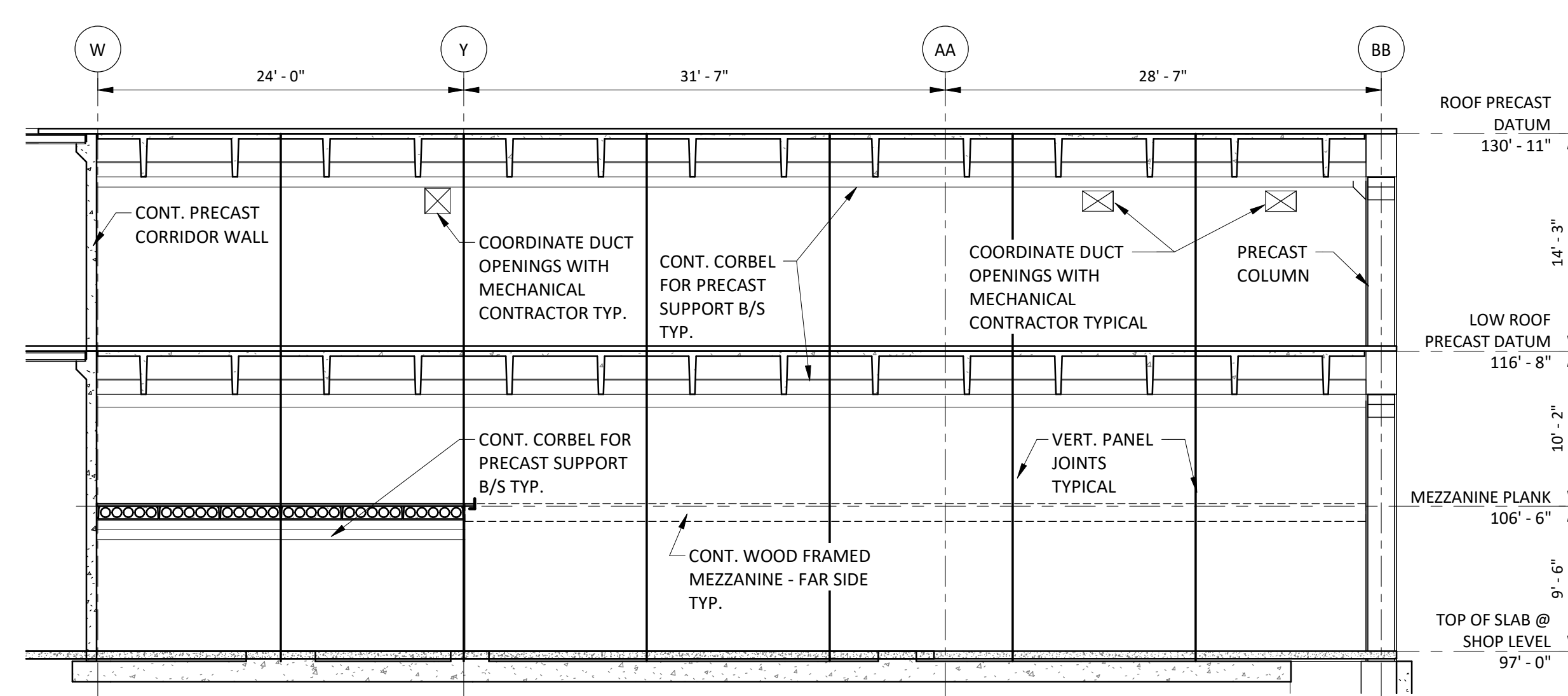
PROJECT
ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL
600 Orange Avenue
Middletown, CT 06451

DATE
05/24/2019

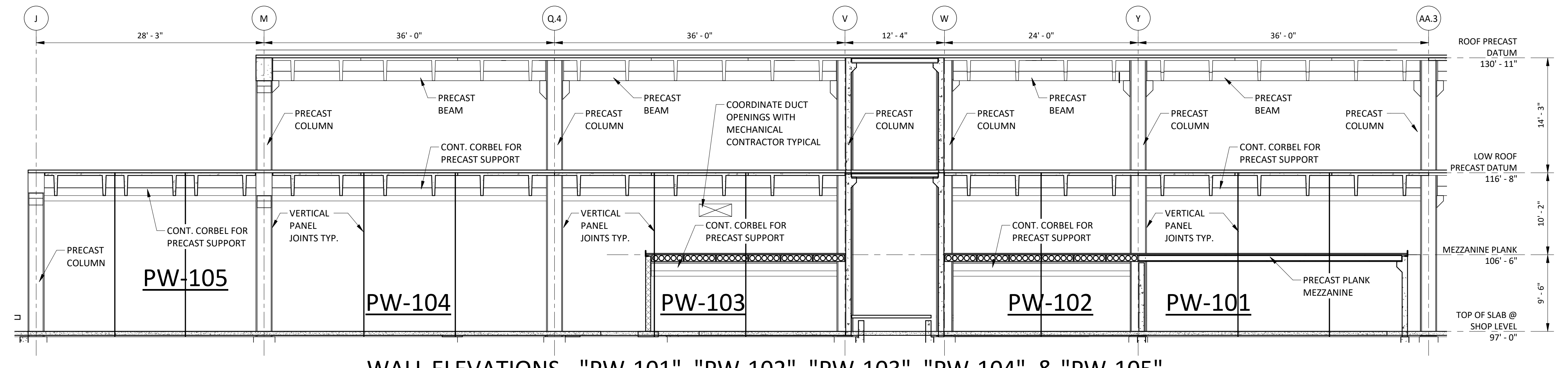
SCALE
As indicated

PROJECT
ADDITIONS AND RENOVATIONS
PLATT TECHNICAL HIGH SCHOOL
600 Orange Avenue
Middletown, CT 06451

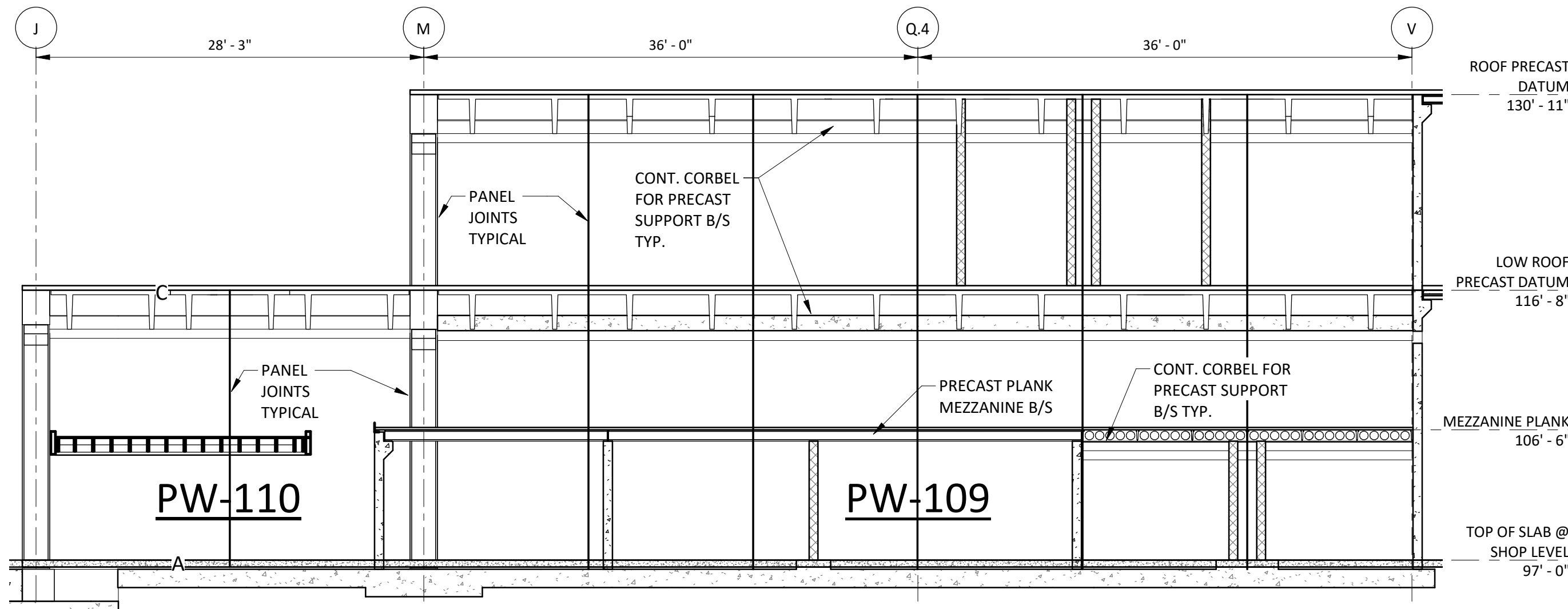




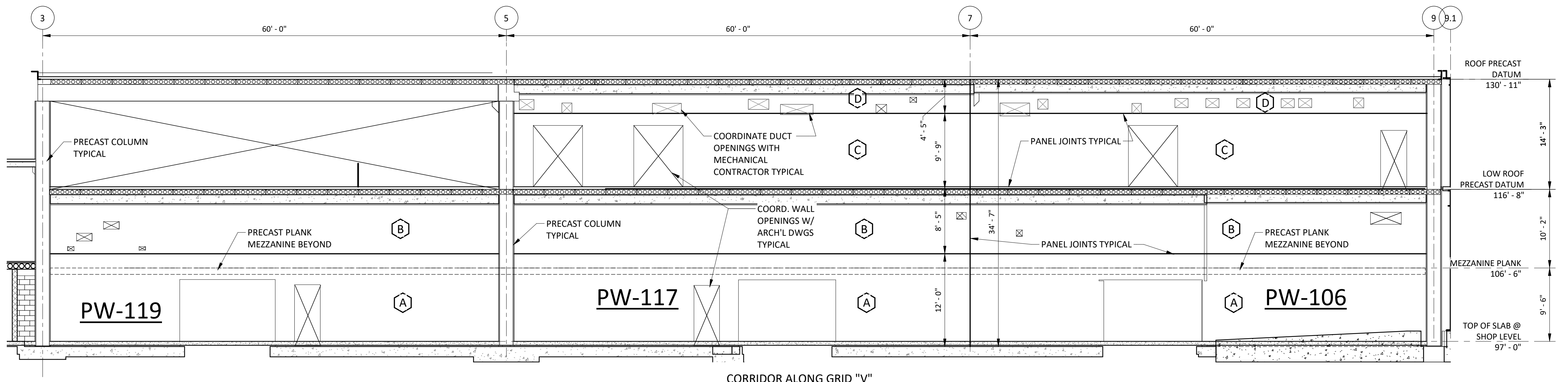
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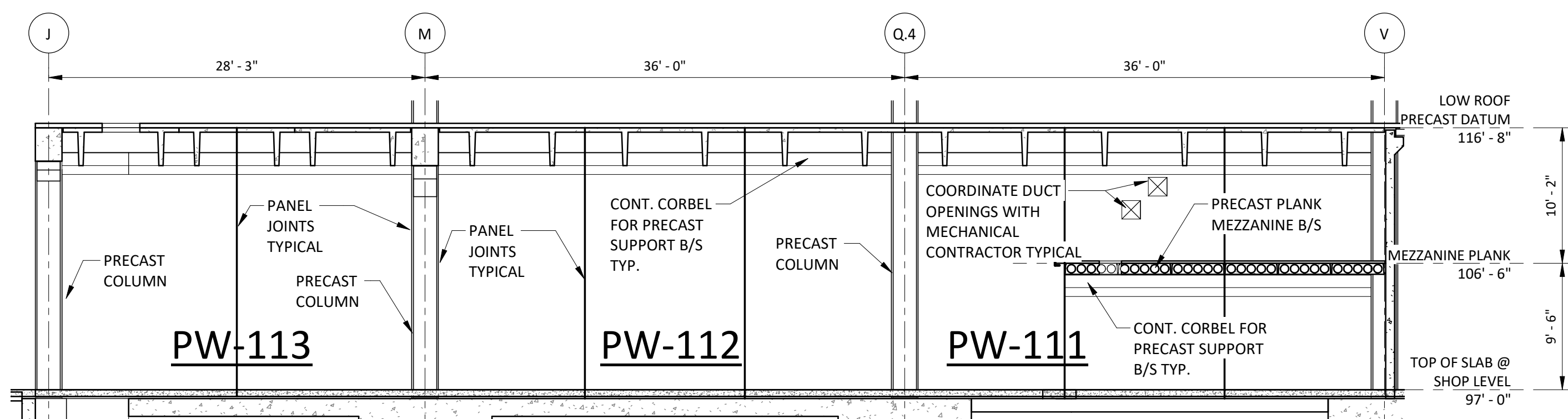
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SCALE: 1/8" = 1'-0"



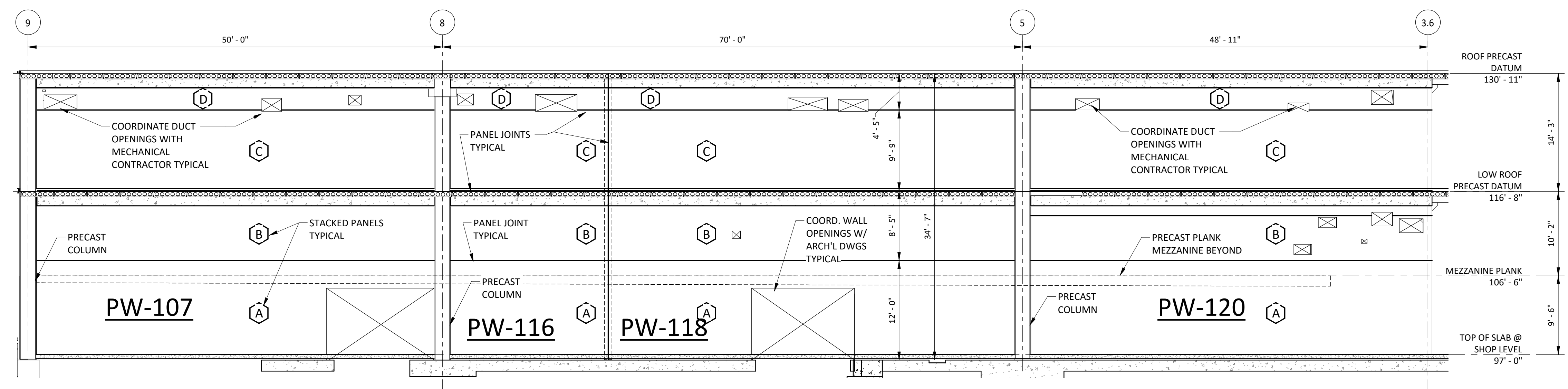
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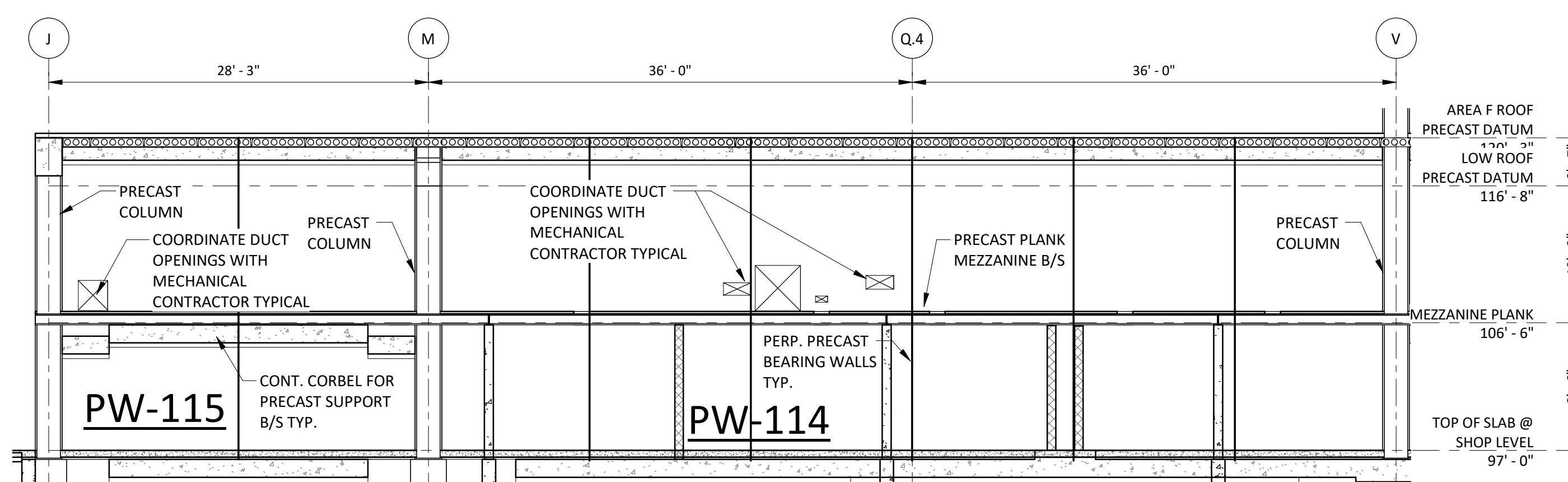
WALL ELEVATIONS - "PW-106", "PW-117" AND "PW-119"
SCALE: 1/8" = 1'-0"



WALL ELEVATIONS - "PW-111", "PW-112" AND "PW-113"
SCALE: 1/8" = 1'-0"



WALL ELEVATIONS - "PW-107", "PW-116", "PW-118" AND "PW-120"
SCALE: 1/8" = 1'-0"



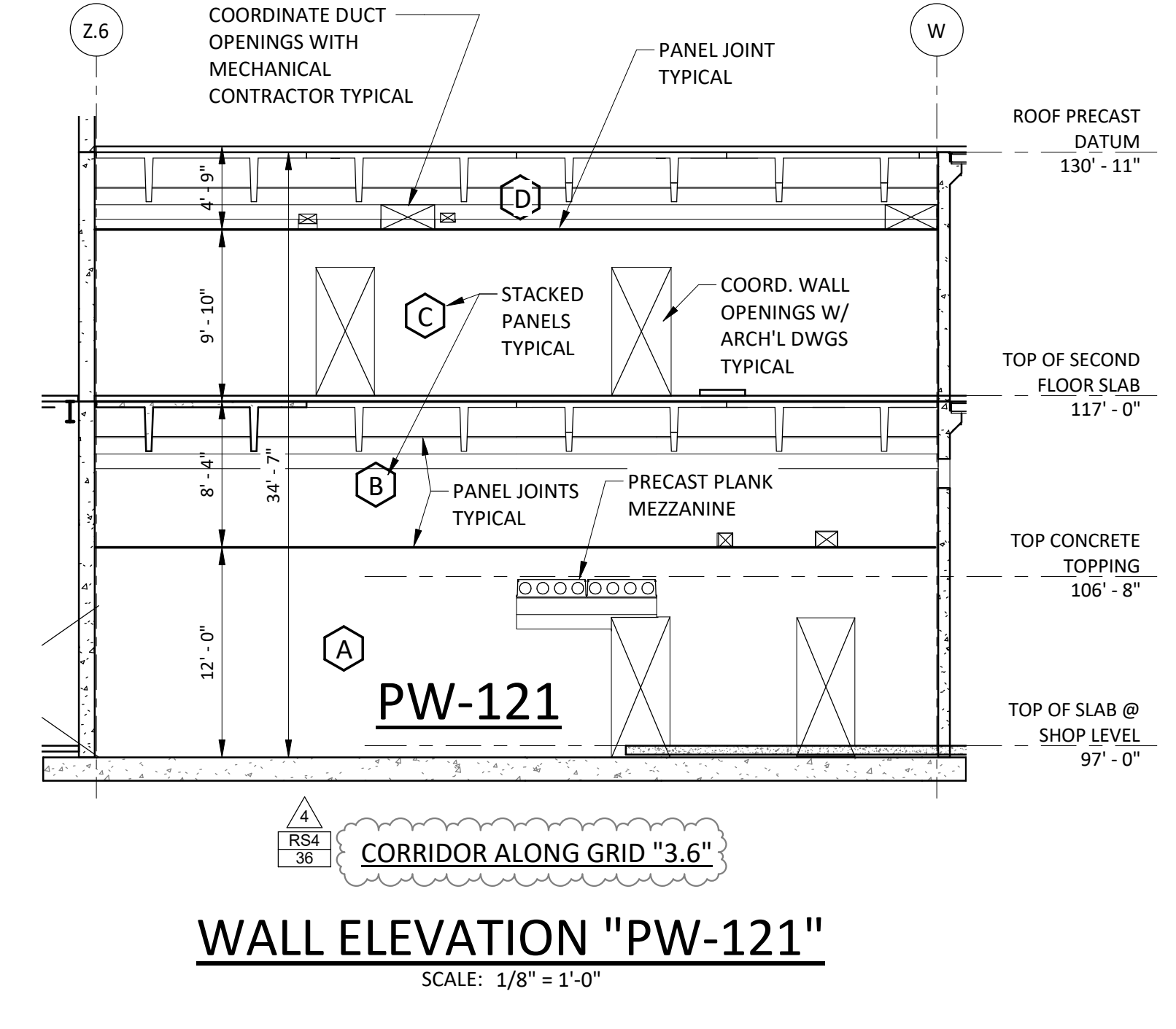
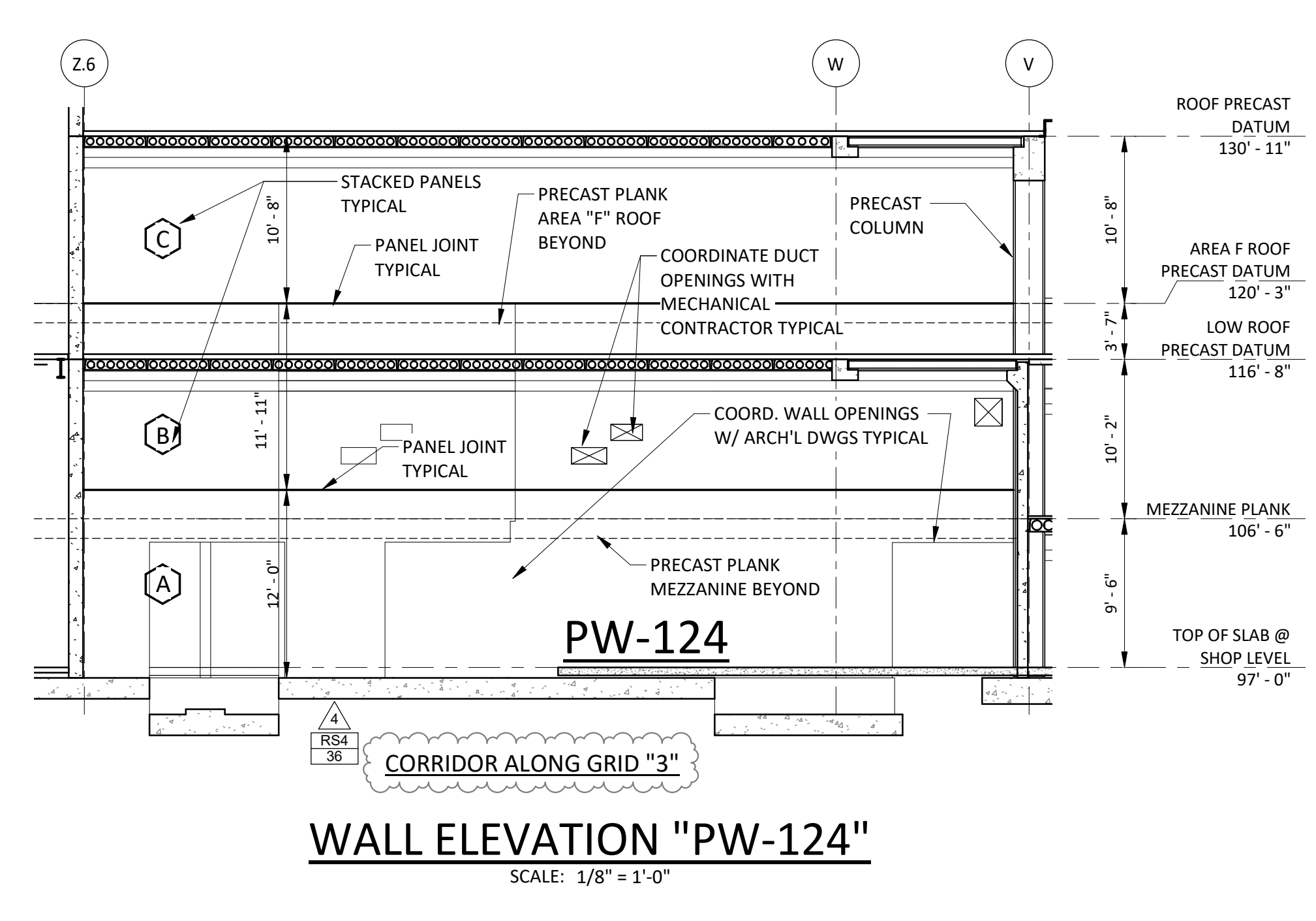
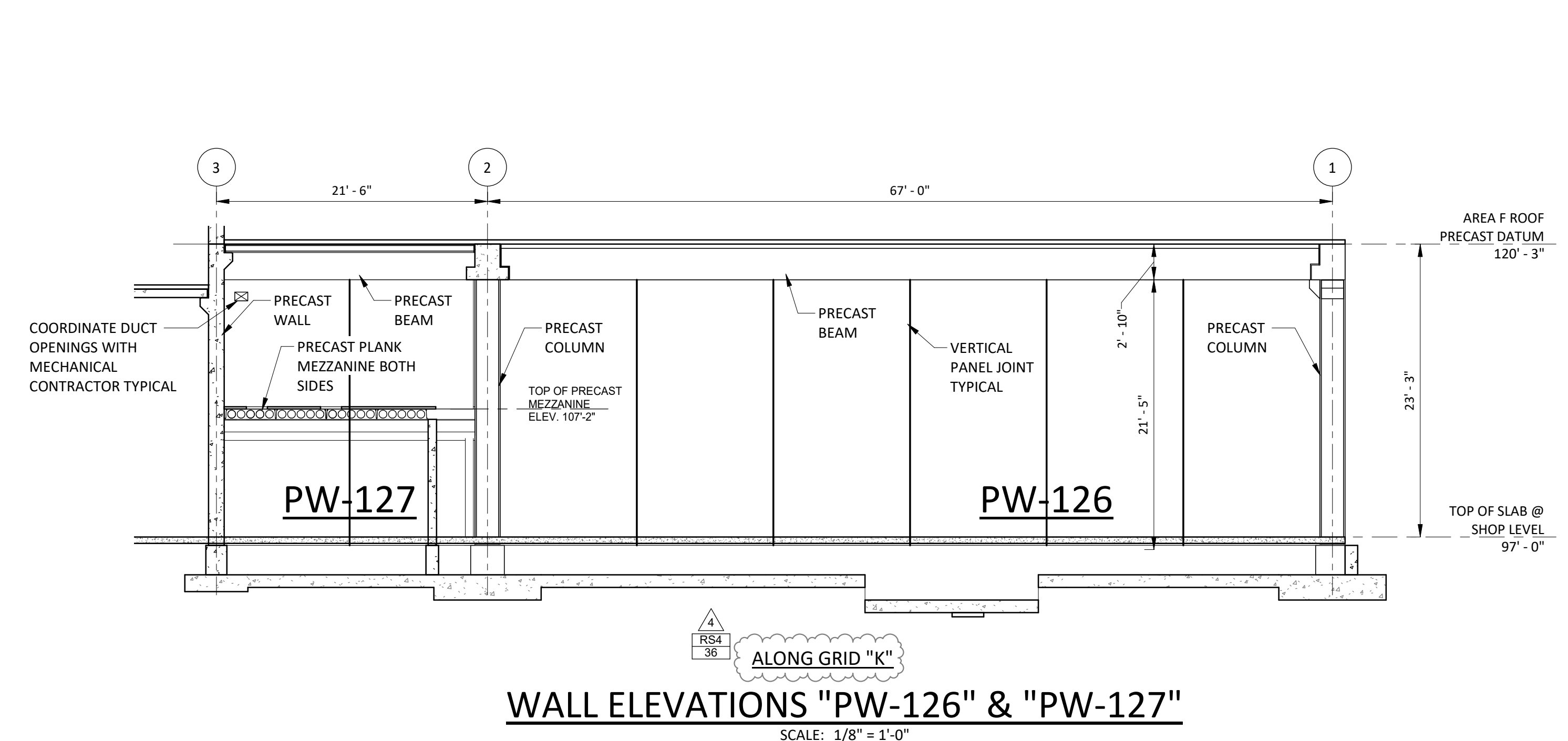
WALL ELEVATIONS "PW-114 AND "PW-115"
SCALE: 1/8" = 1'-0"

- PLAN NOTES**
- ALL EXPOSED WALL SURFACES SHALL BE SMOOTH AND HOLES GREATER THAN 1/4" DIAMETER OR GREATER SHALL BE PATCHED.
 - PROVIDE SEALED CALCULATIONS FOR THE DESIGN OF WALLS.
 - WALLS SHALL BE DESIGNED TO RESIST HORIZONTAL SEISMIC SHEARS SHOWN ON DRAWING S2-5-1.
 - ALL HARDWARE SHALL BE GALVANIZED WITH FIELD TOUCH-UP.
 - PROVIDE CONCEALED POCKETS FOR WELD PLATES WHICH SHALL BE PATCHED TO MATCH THE WALL SURFACE.
 - COORDINATE WALL PENETRATIONS WITH MECHANICAL AND PLUMBING CONTRACTORS.
 - SEE DETAIL "S1/S2-3-2" FOR TYPICAL HORIZONTAL PRECAST JOINT CONNECTION.

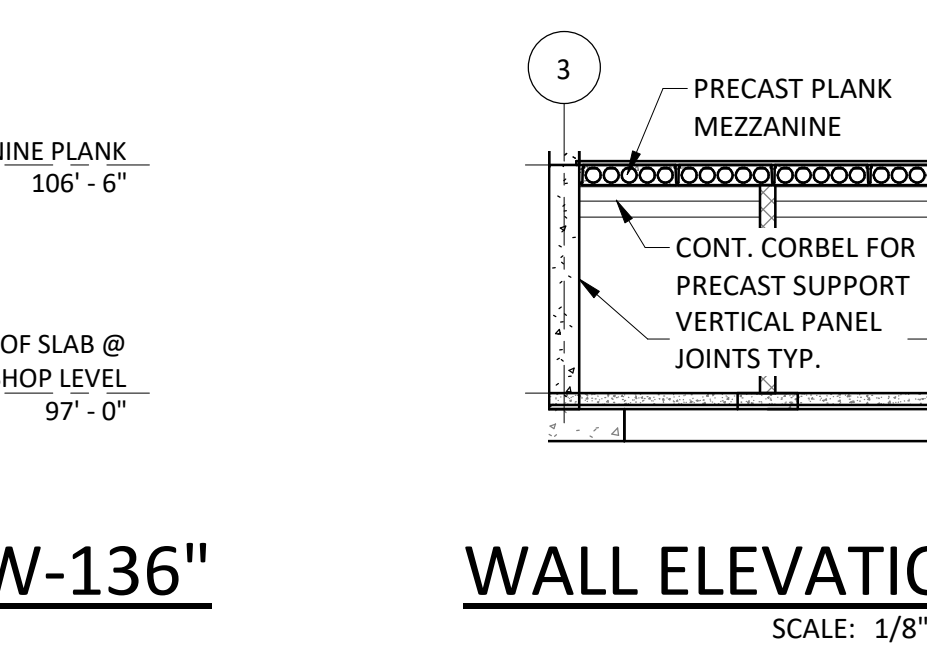
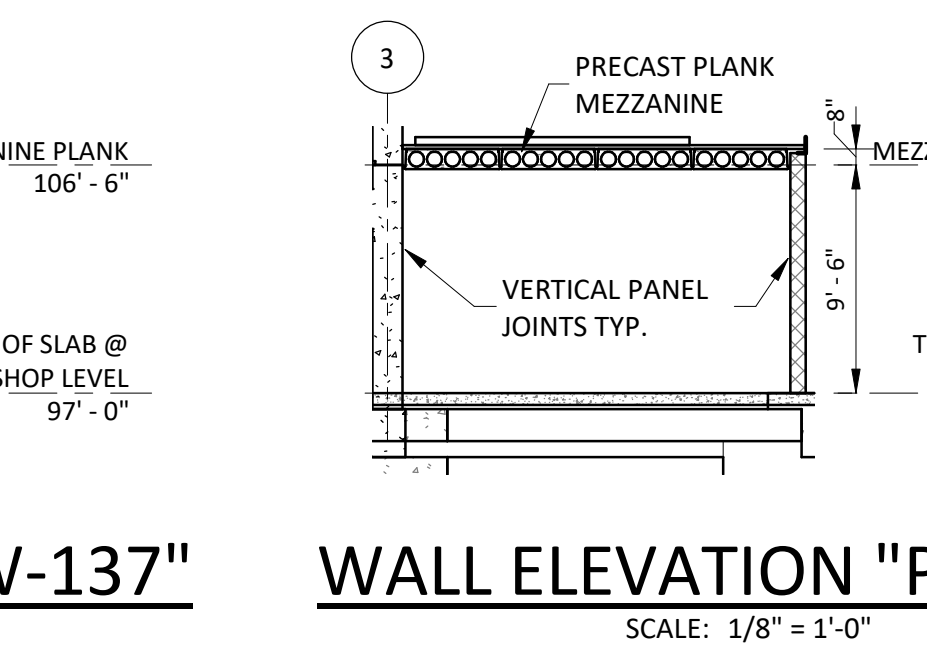
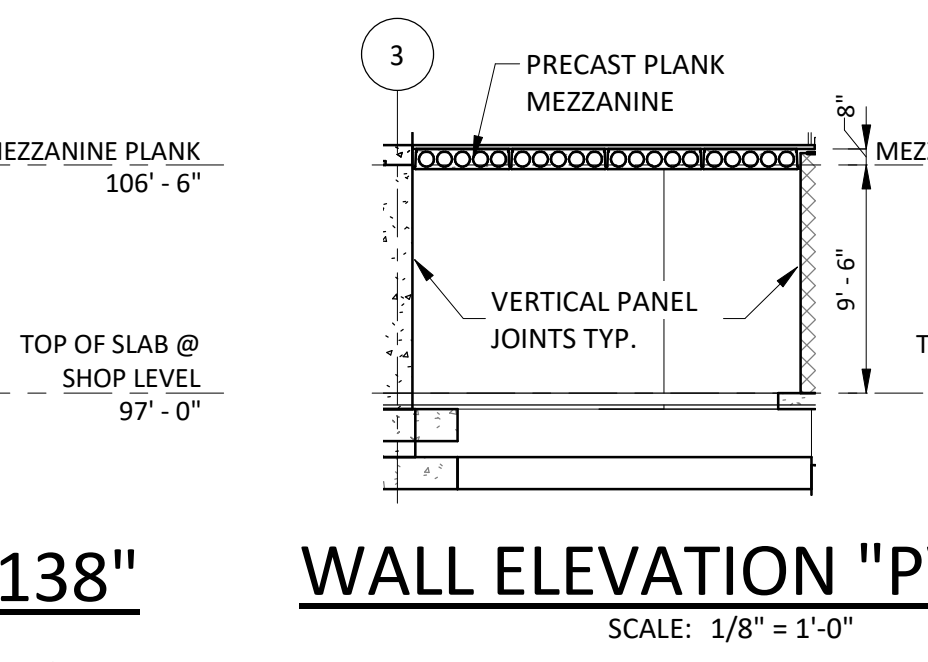
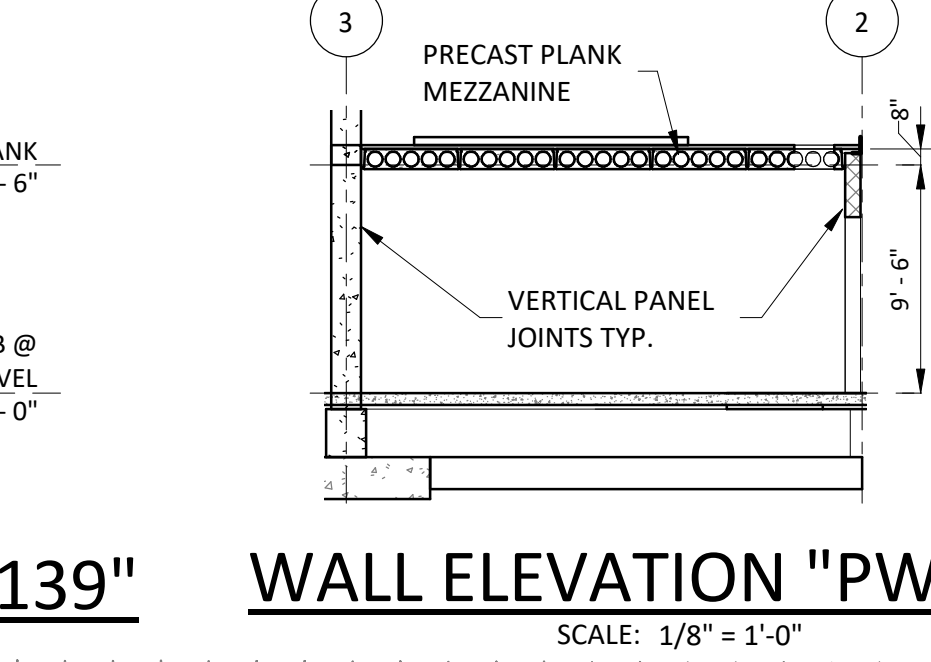
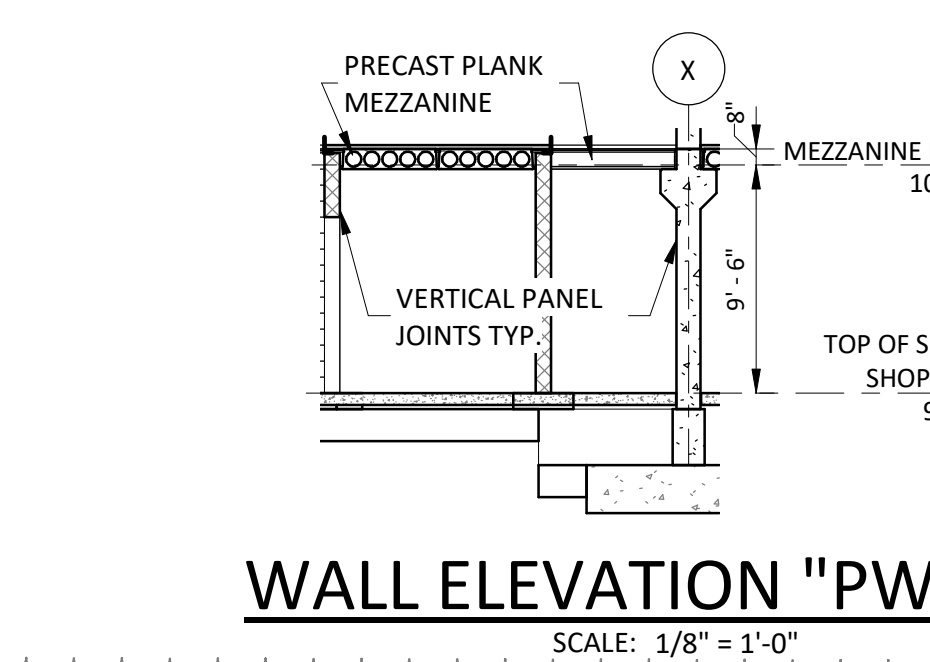
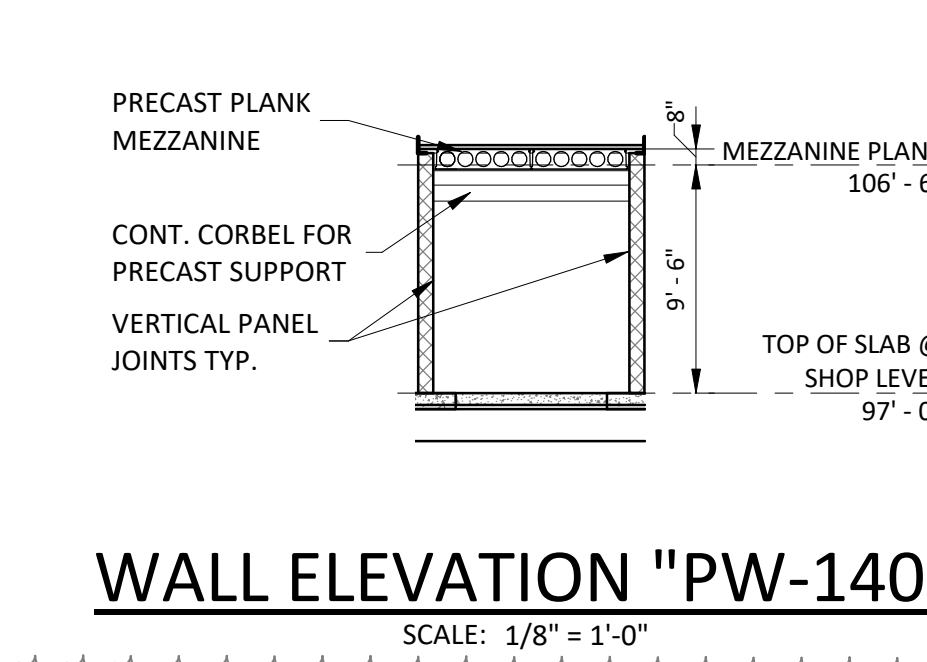
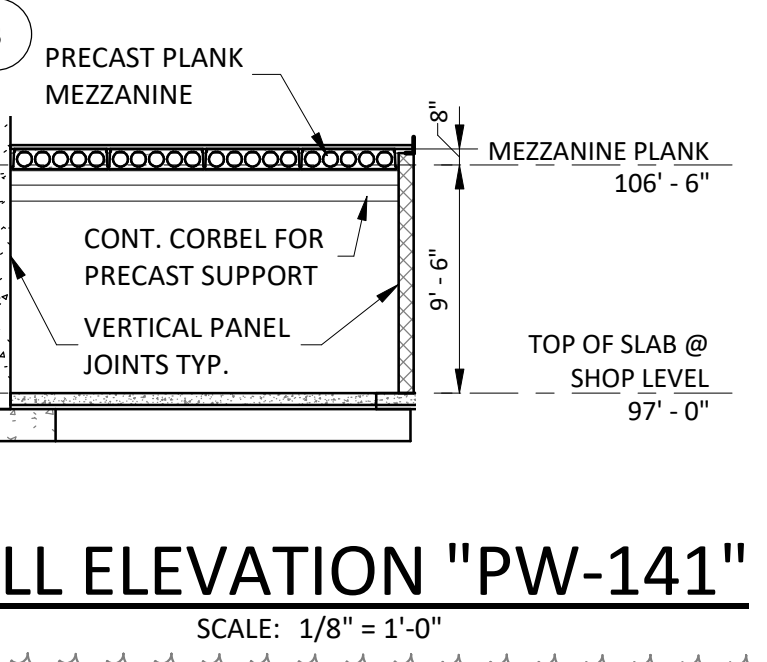
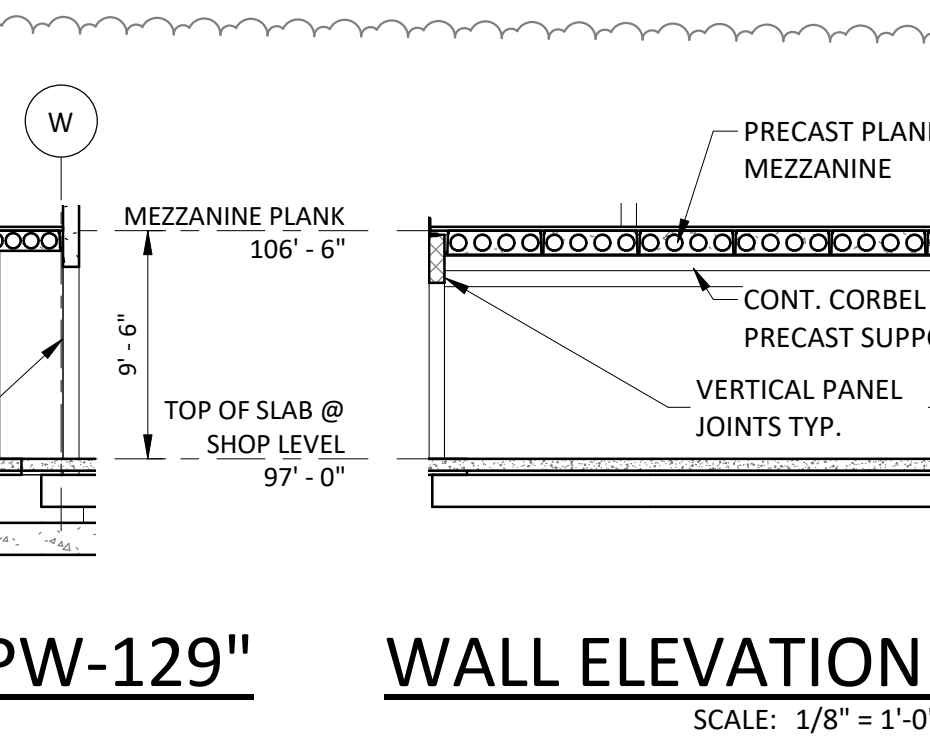
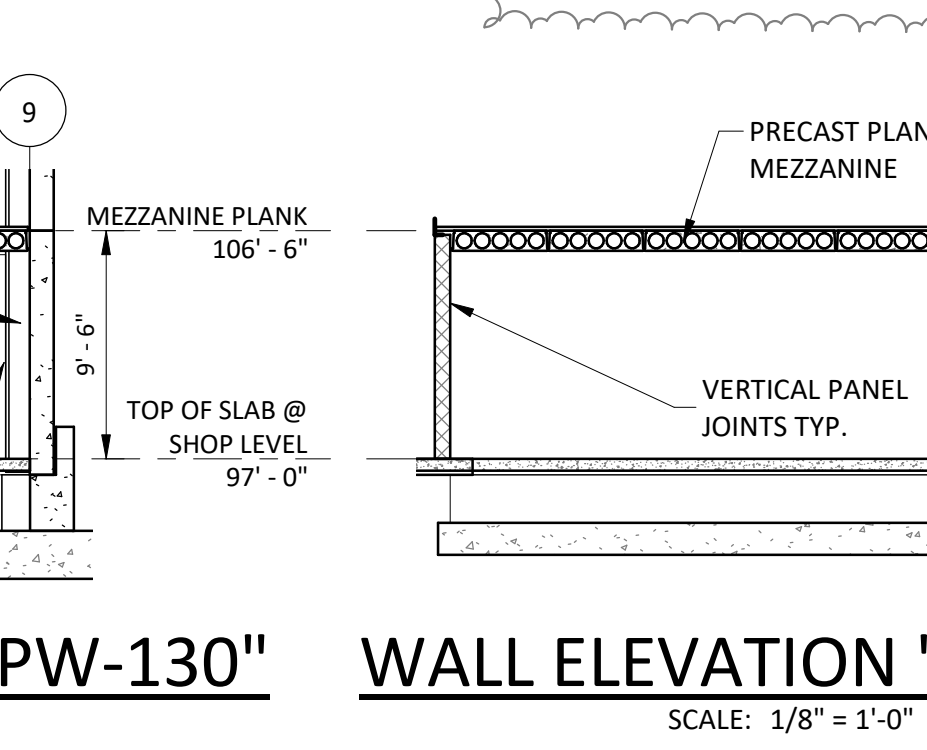
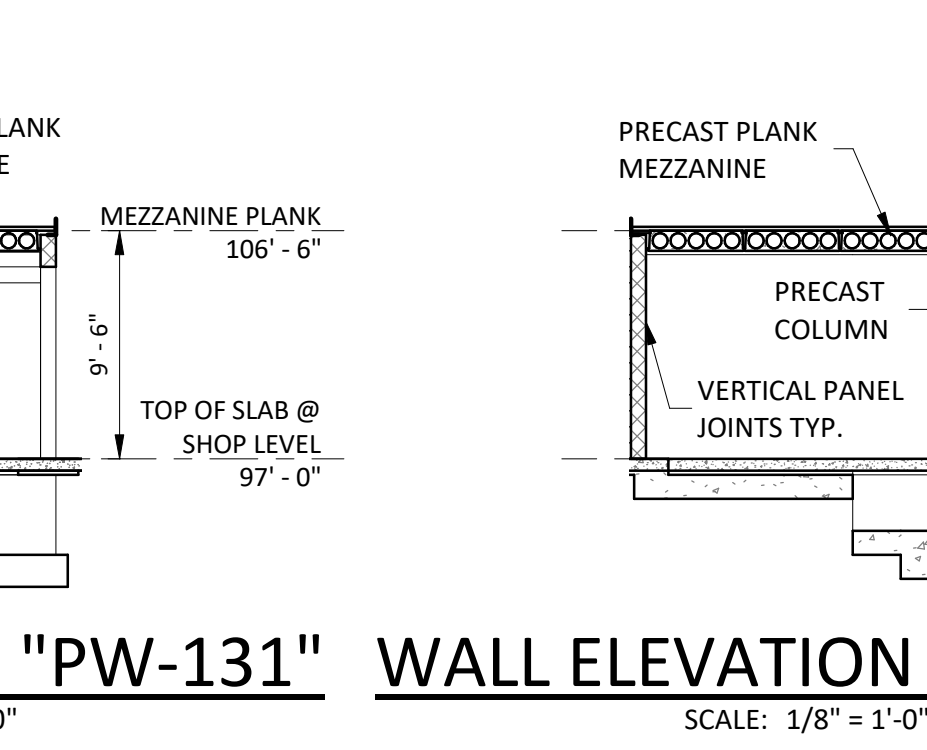
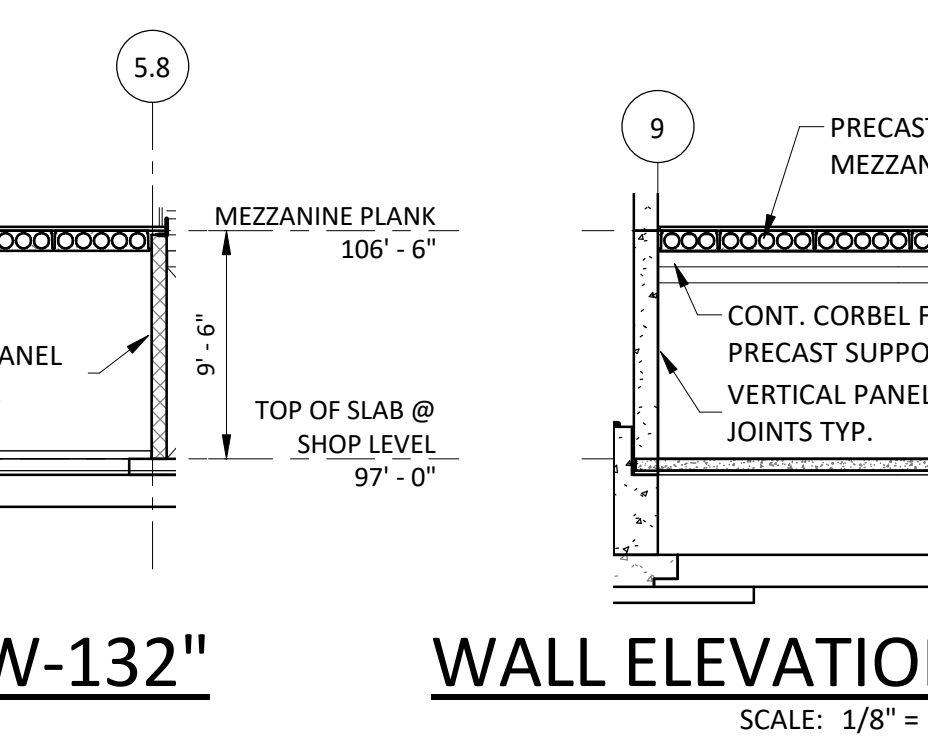
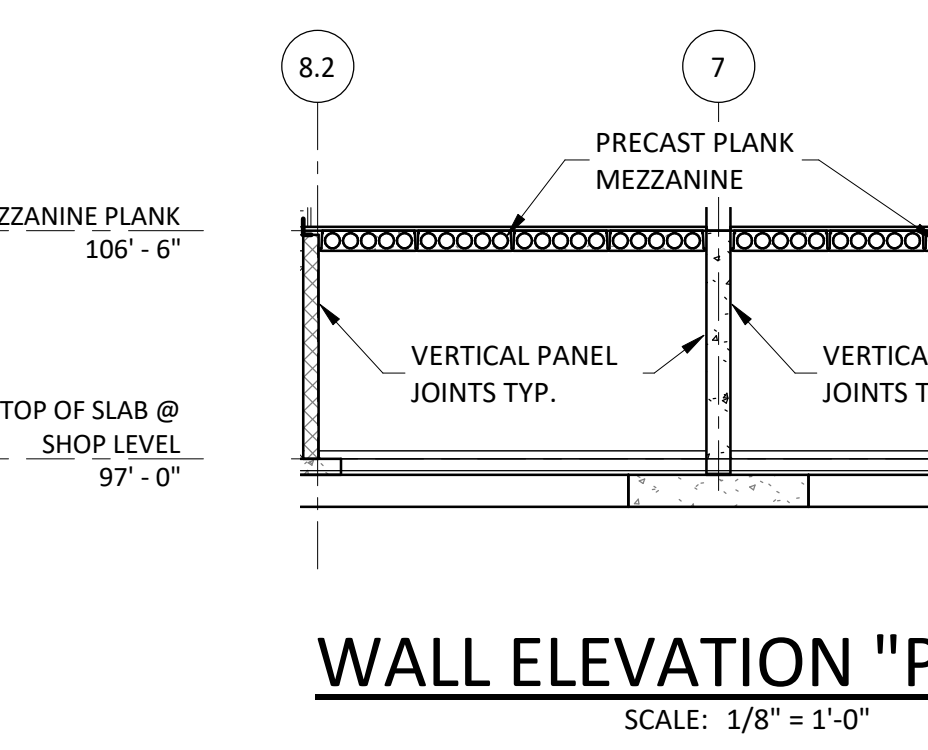
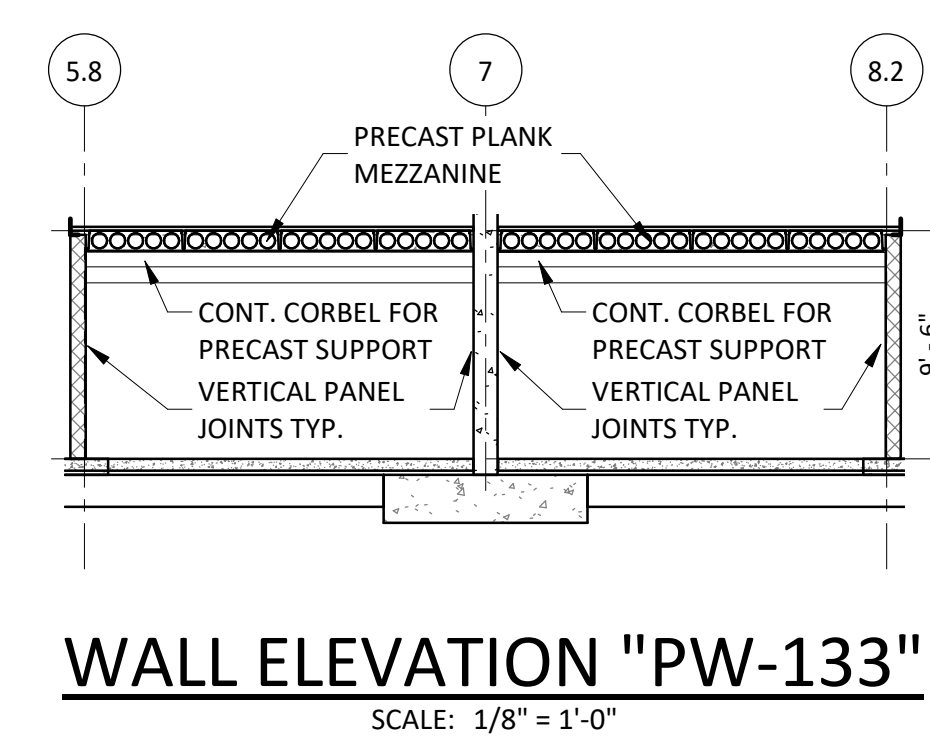
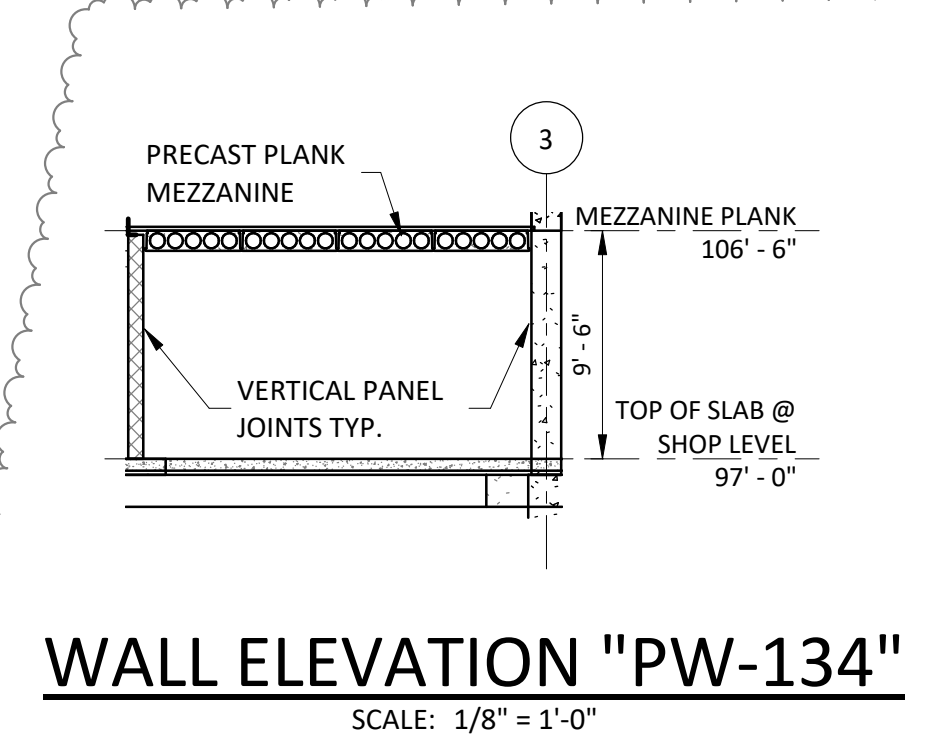
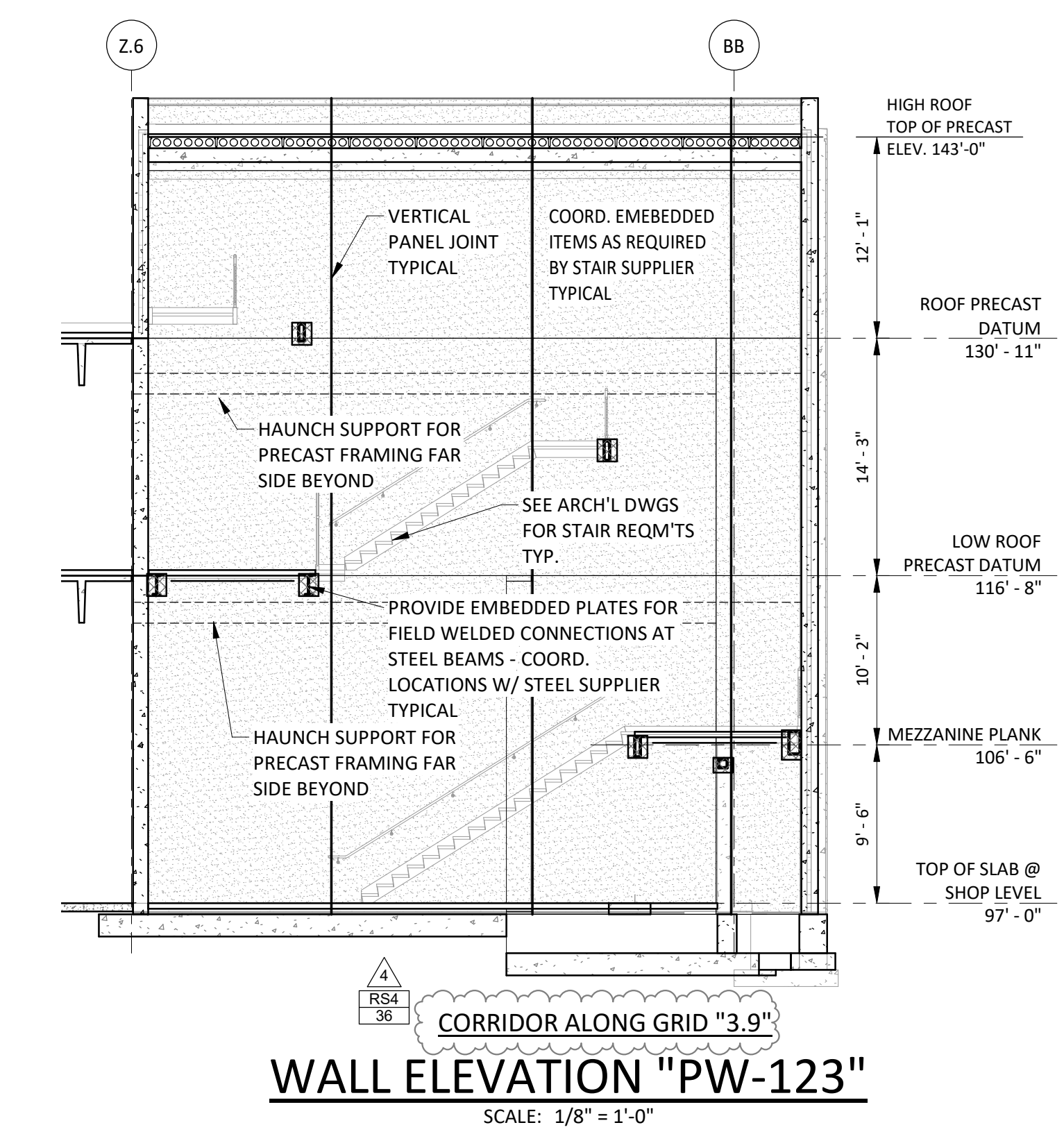
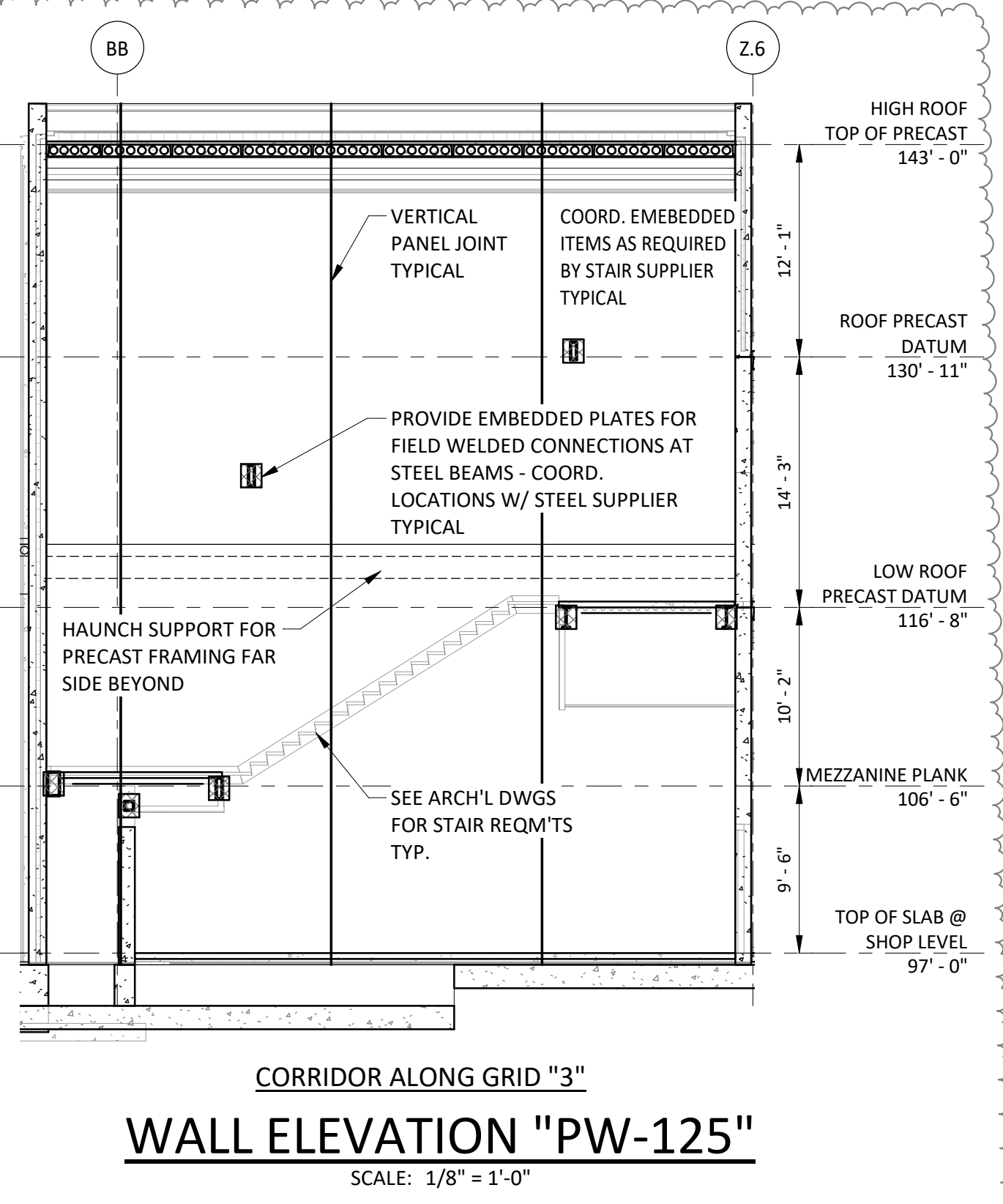
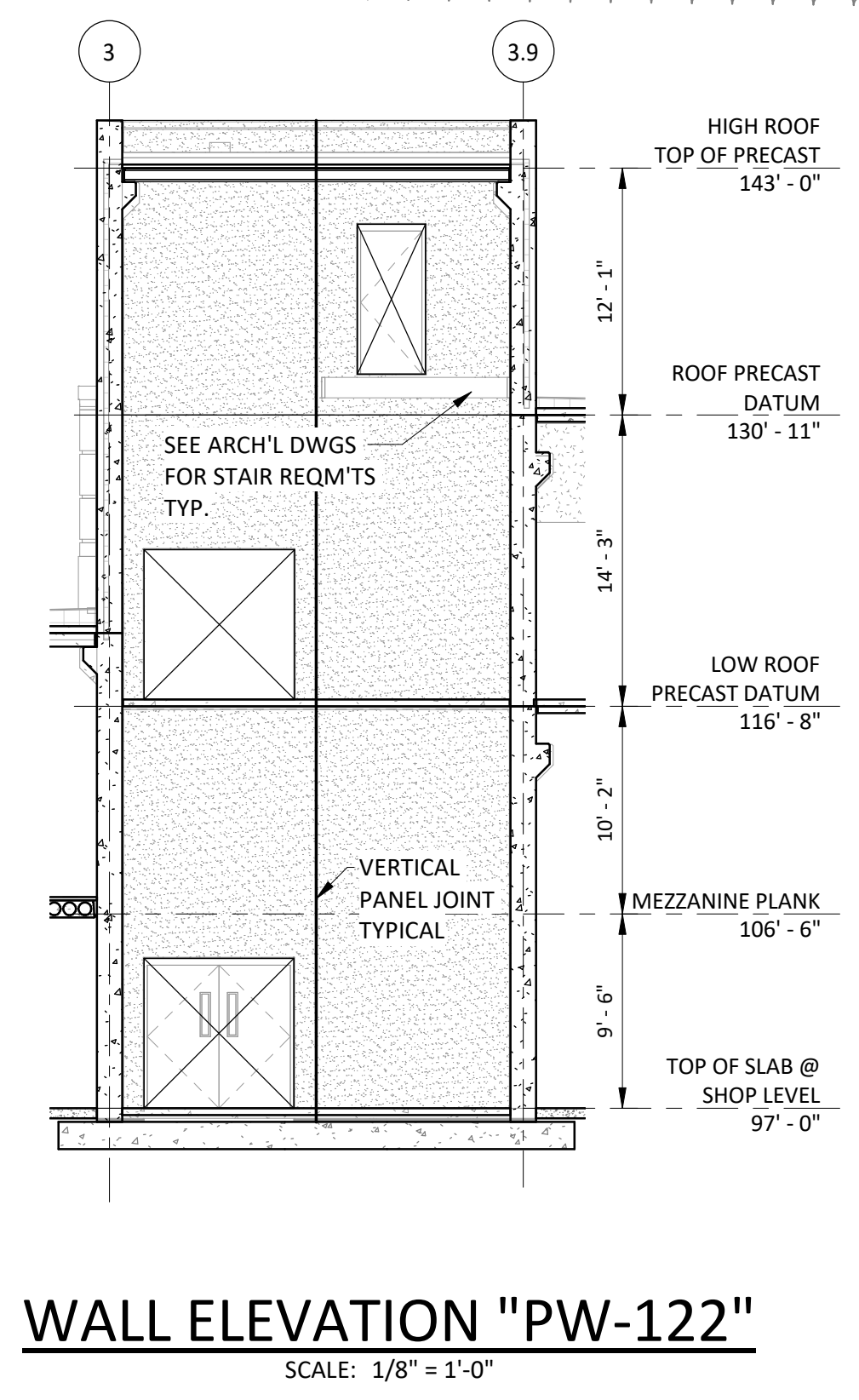
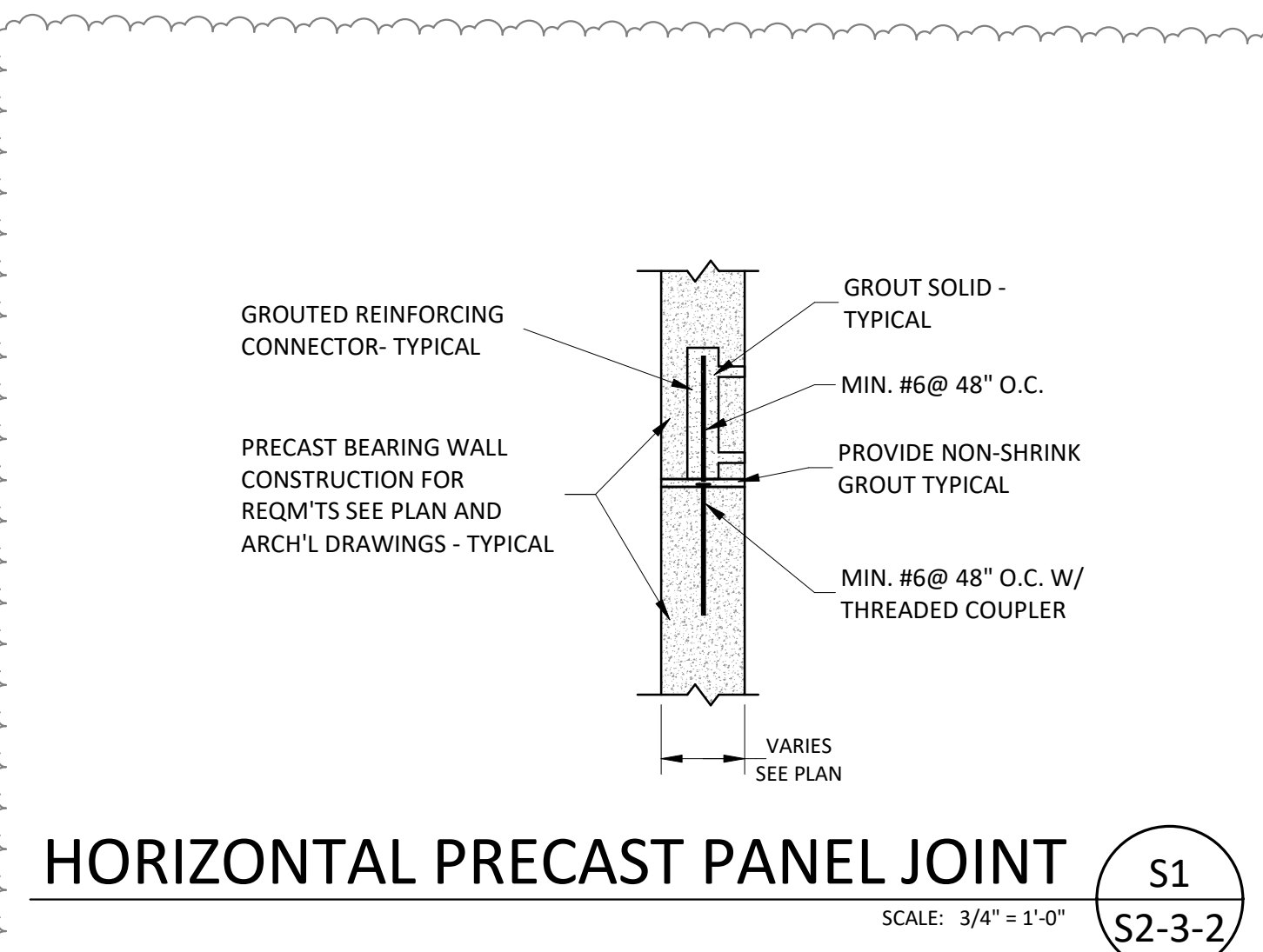
100% CONSTRUCTION DOCUMENTS

drawing PRECAST WALL ELEVATIONS			drawing SZEWCAZK ASSOCIATES 300 Main Street Avon, CT 06001		dat 05/24/2019
REVISIONS			projec ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461		scale 1/8" = 1'-0"
mar	date	description	CAD DCS project BLRT-076 CM-R		drawn Author
4	06/09/2019	ADDENDUM #4	OSCGR project 900-0113		approved Approver
					drawing S2-3-1





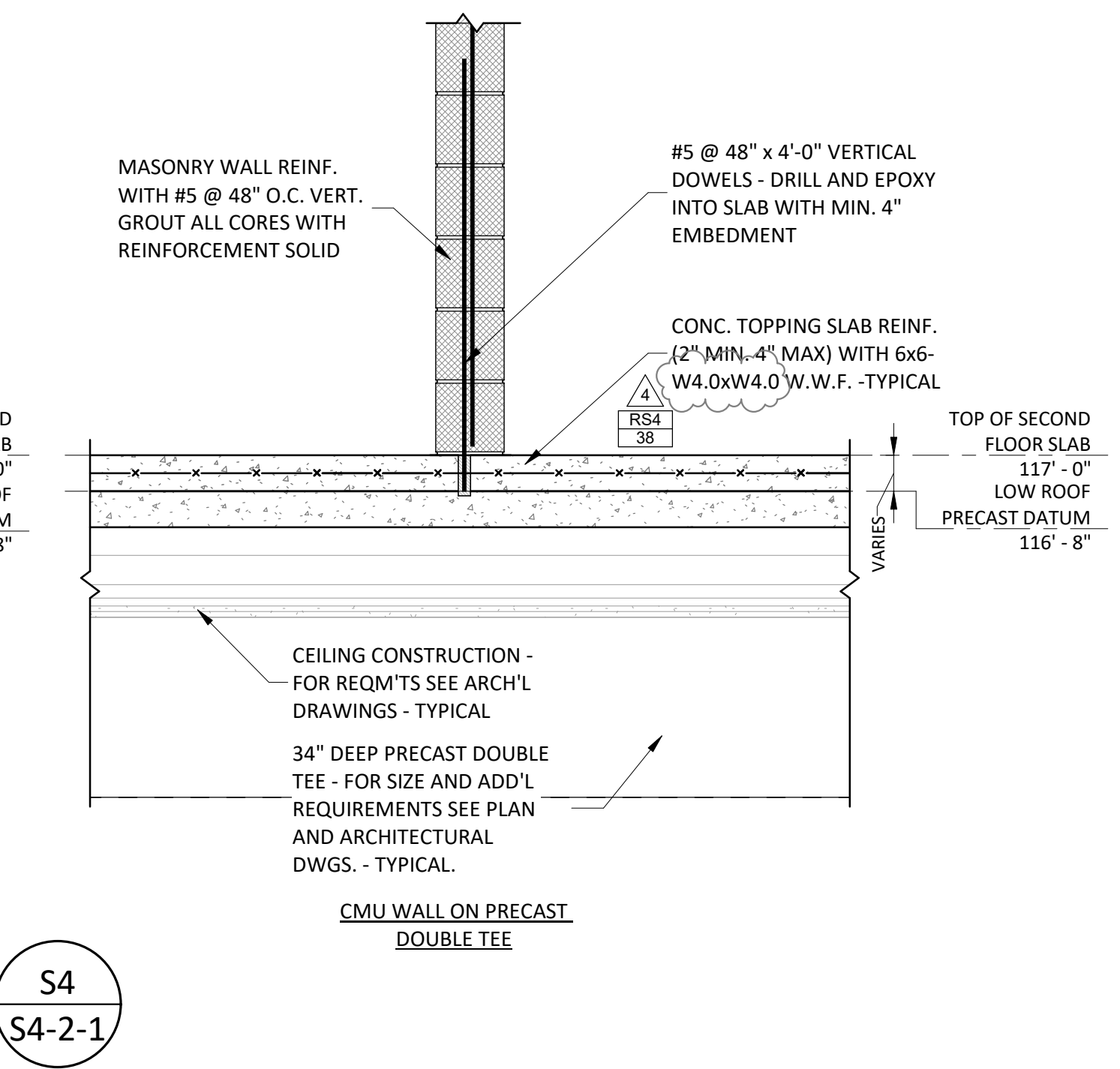
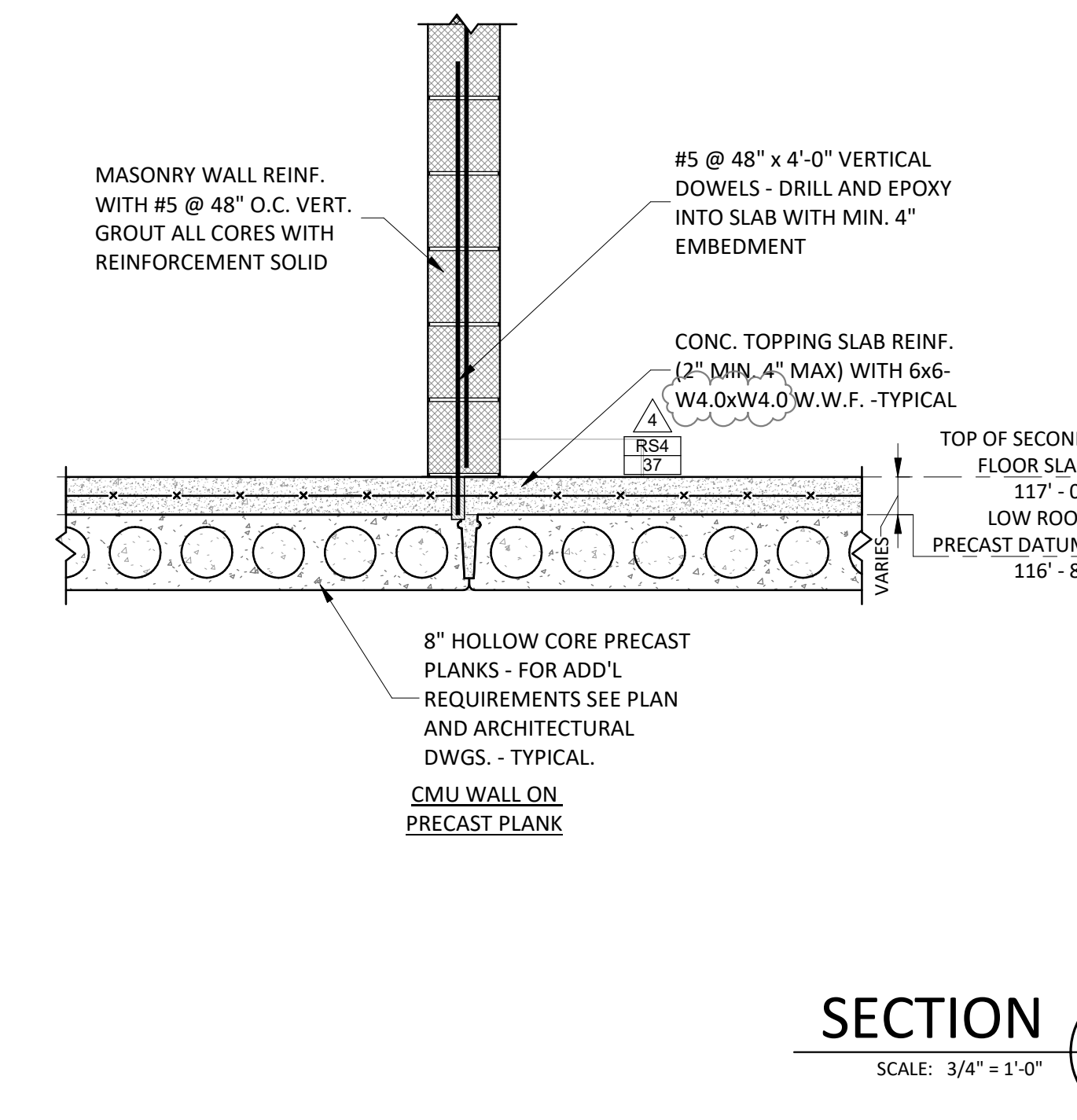
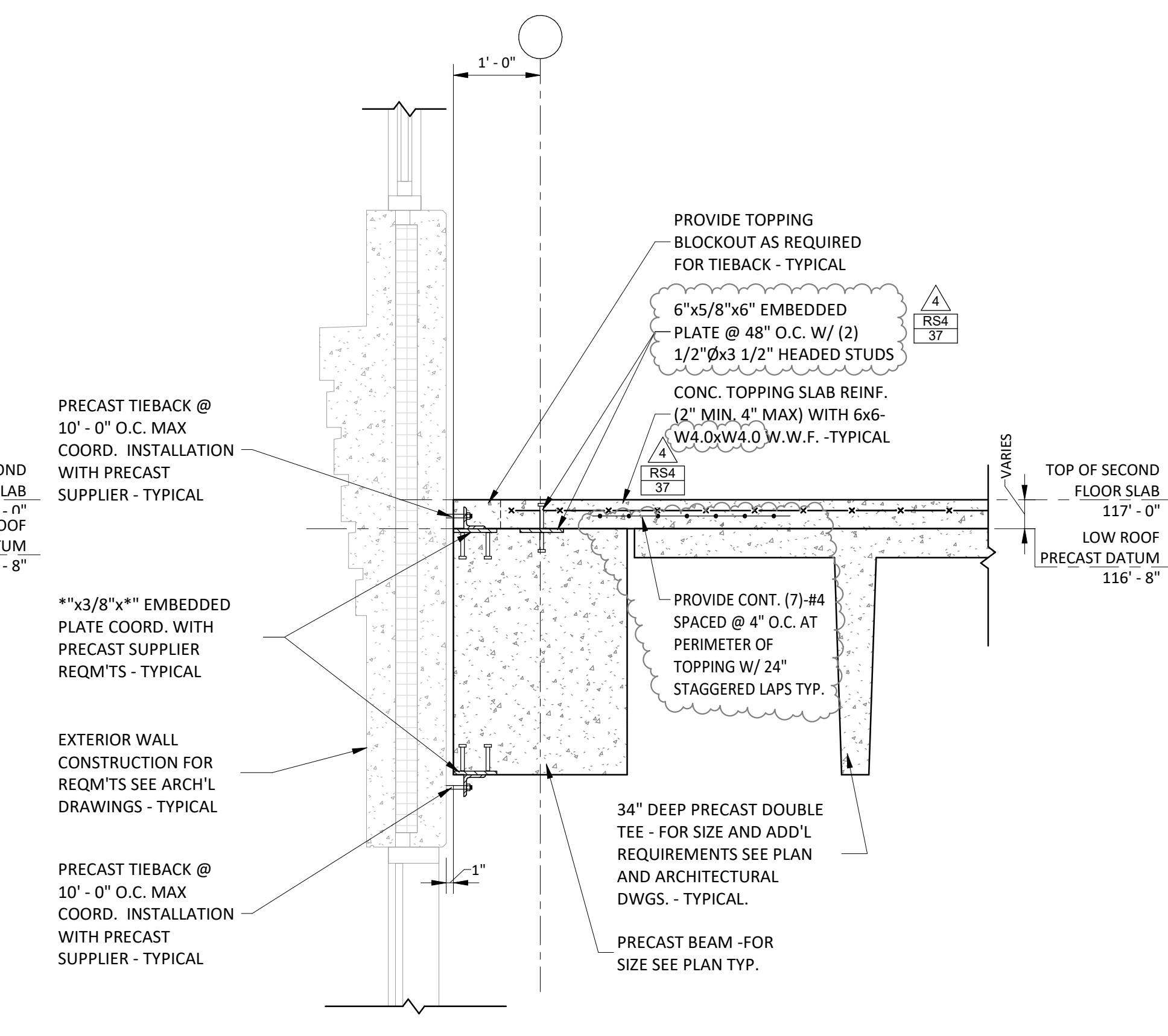
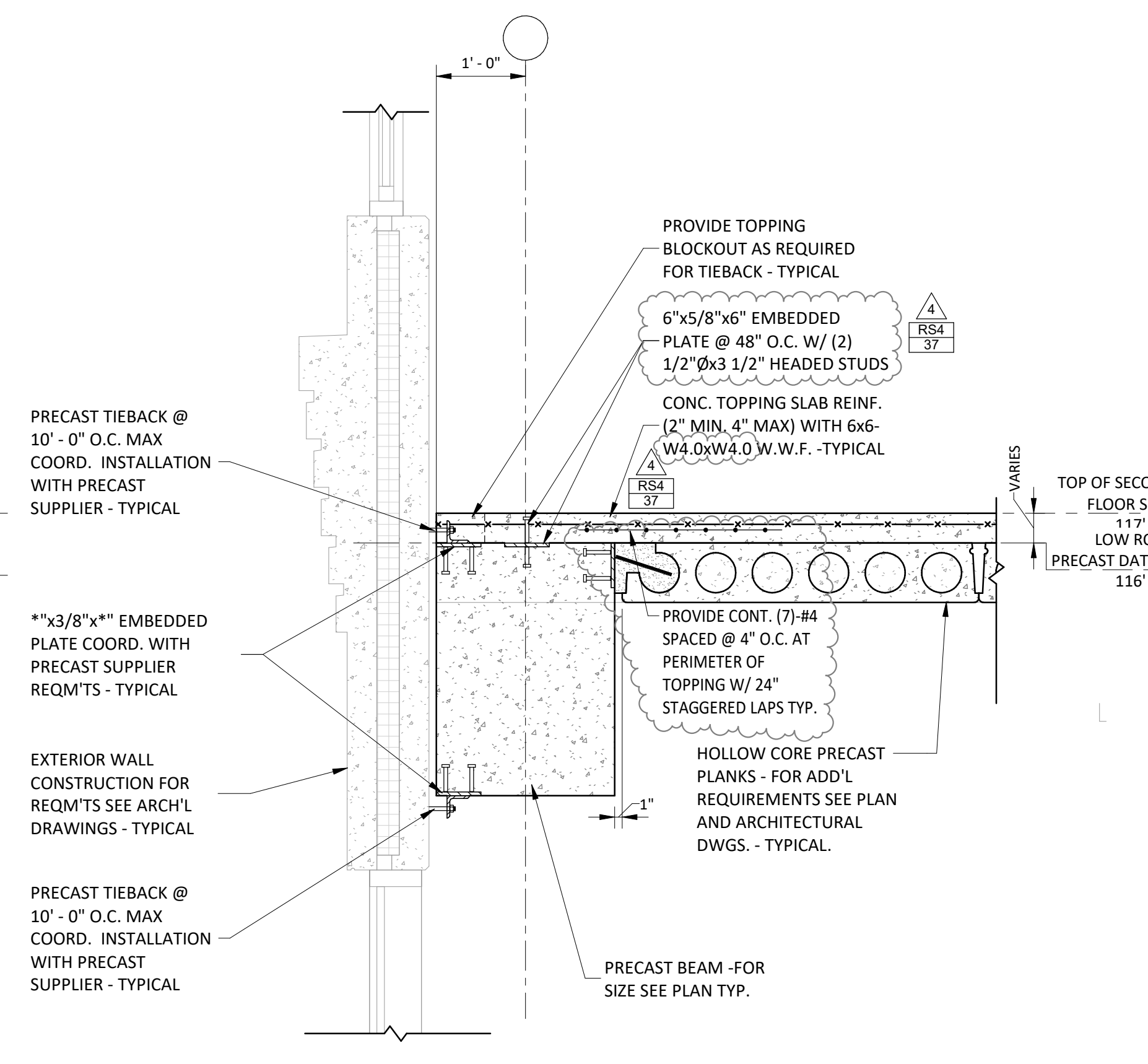
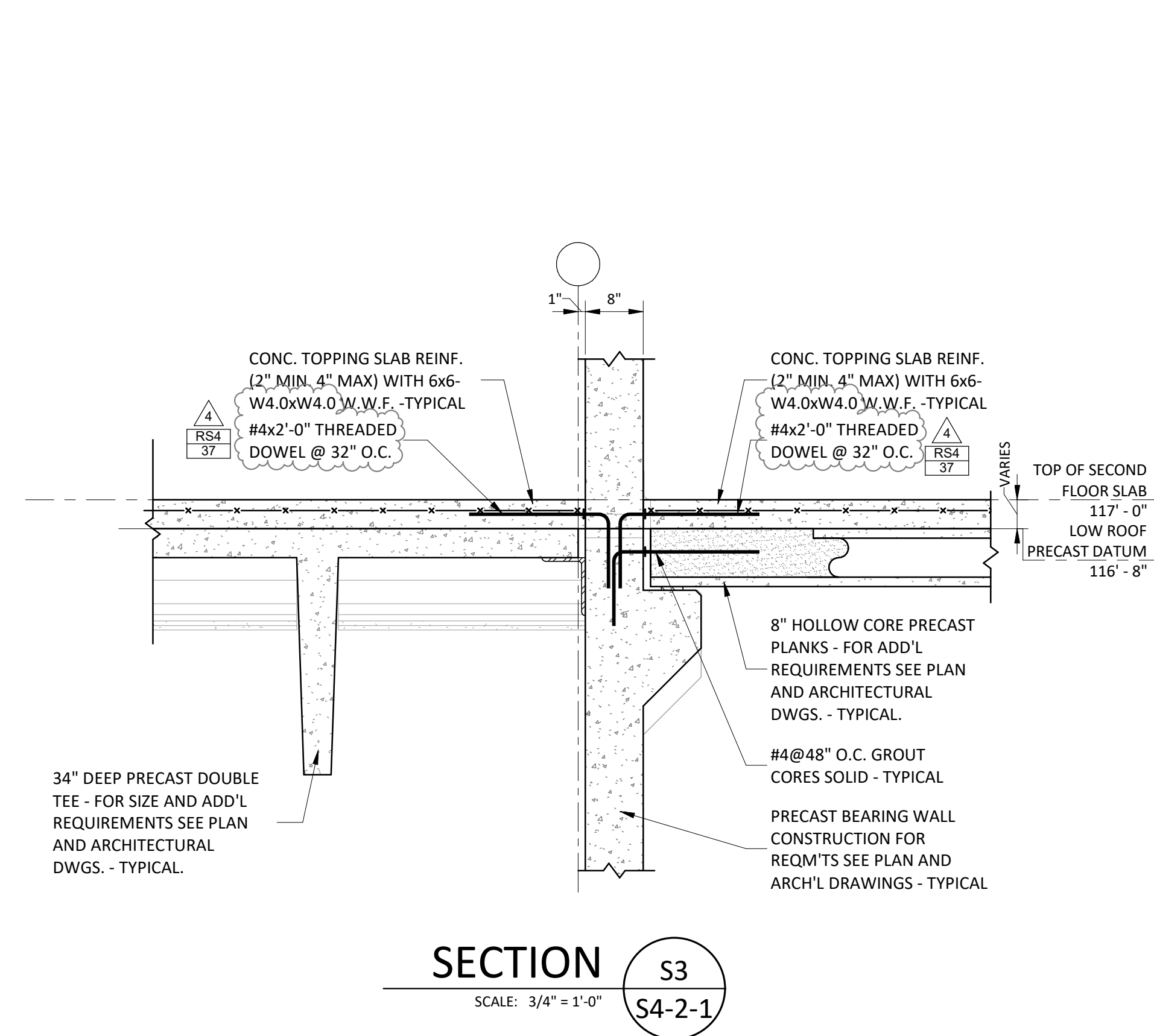
- PLAN NOTES**
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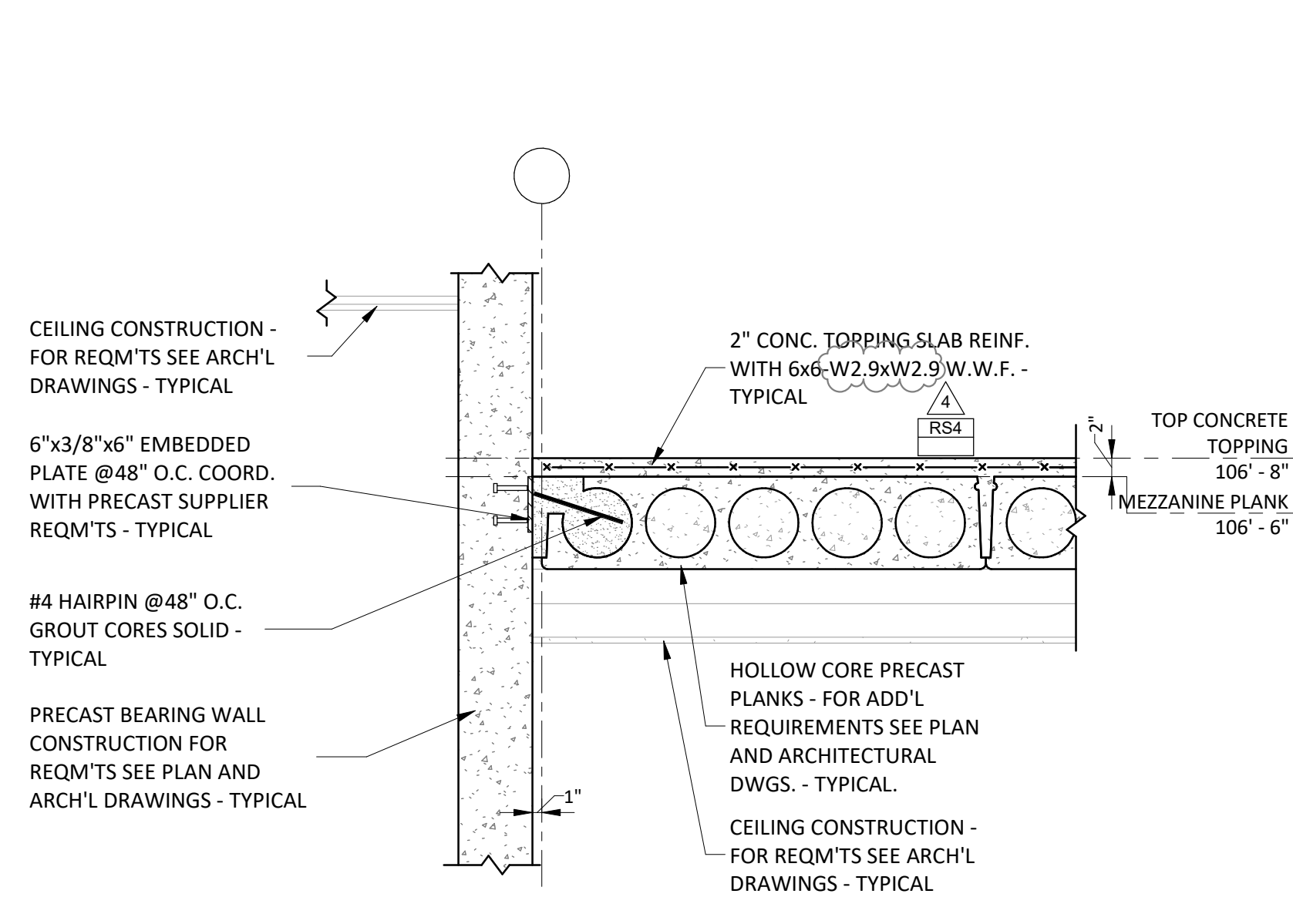
100% CONSTRUCTION DOCUMENTS

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PRECAST WALL ELEVATIONS		drawing	
		SZEWCAZK ASSOCIATES	
		300 Main Street Avon, CT 06001	
		projec	
		ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL	
		600 Orange Avenue Middletown, CT 06461	
		CAD	
		DCS project BART-076 CM-R	
		OSCGR project 900-0013	
		drawing	
		S2-3-2	
		date	
		05/24/2019	
		scale	
		As indicated	
		drawn	
		Author	
		approved	
		Approver	
		drawing	

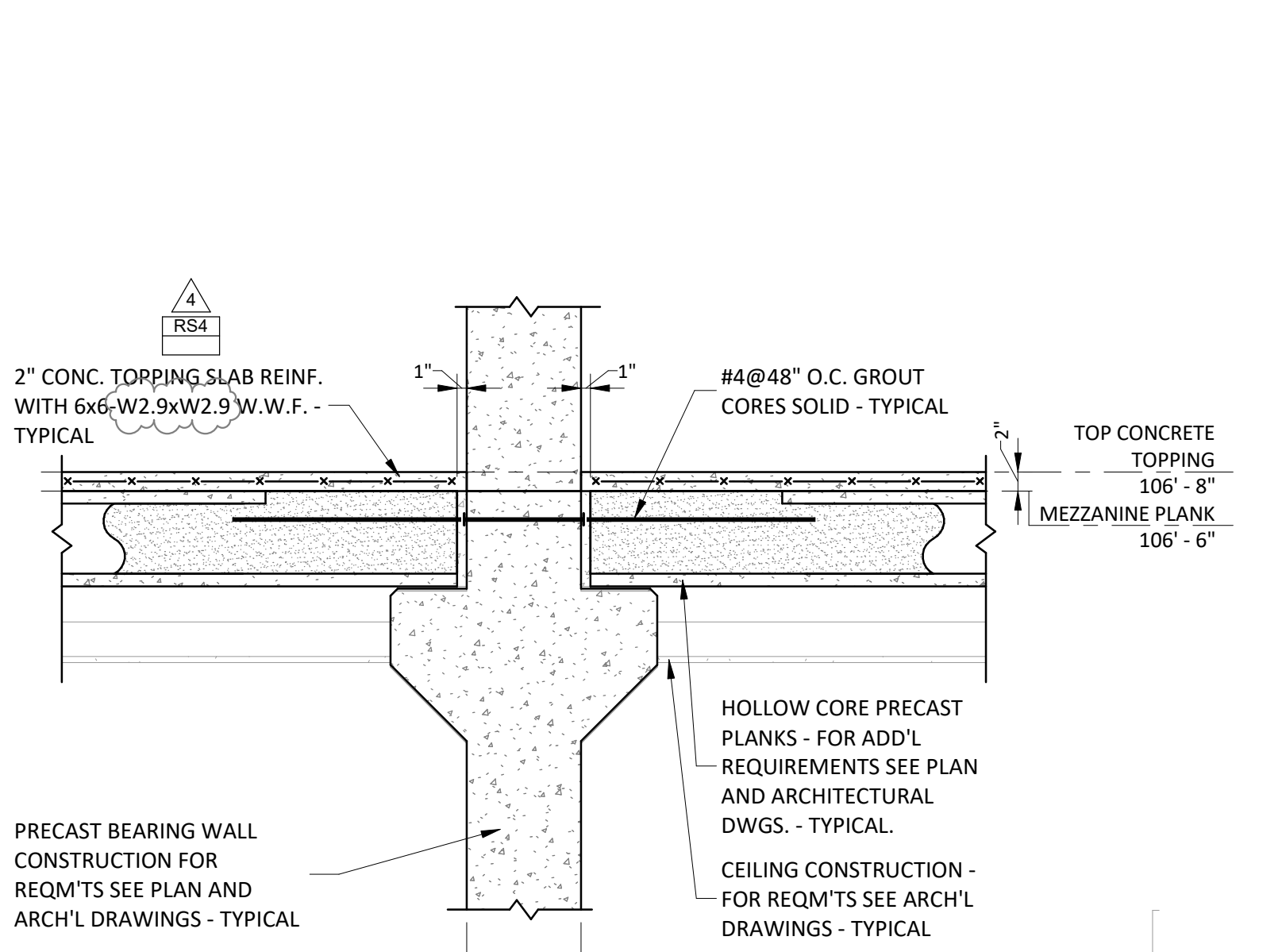




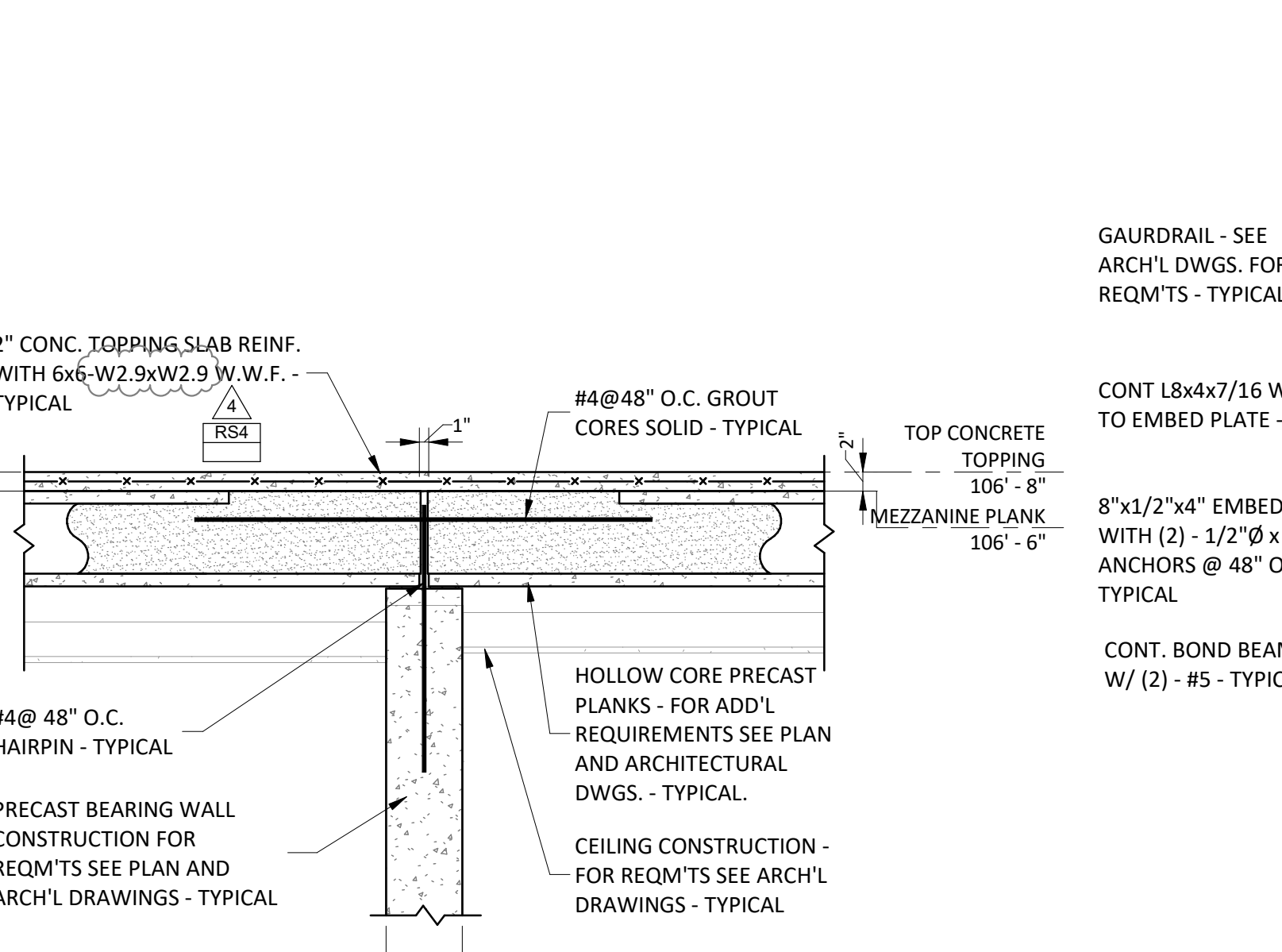
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STRUCTURAL SECTIONS				STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
REVISIONS				drawing	
mar	date	description		SZEWCAK ASSOCIATES	
4	06/09/2019	ADDENDUM #4		300 River Street Avon, CT 06011	
				projec	
				ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL	
				600 Orange Avenue Middletown, CT 06461	
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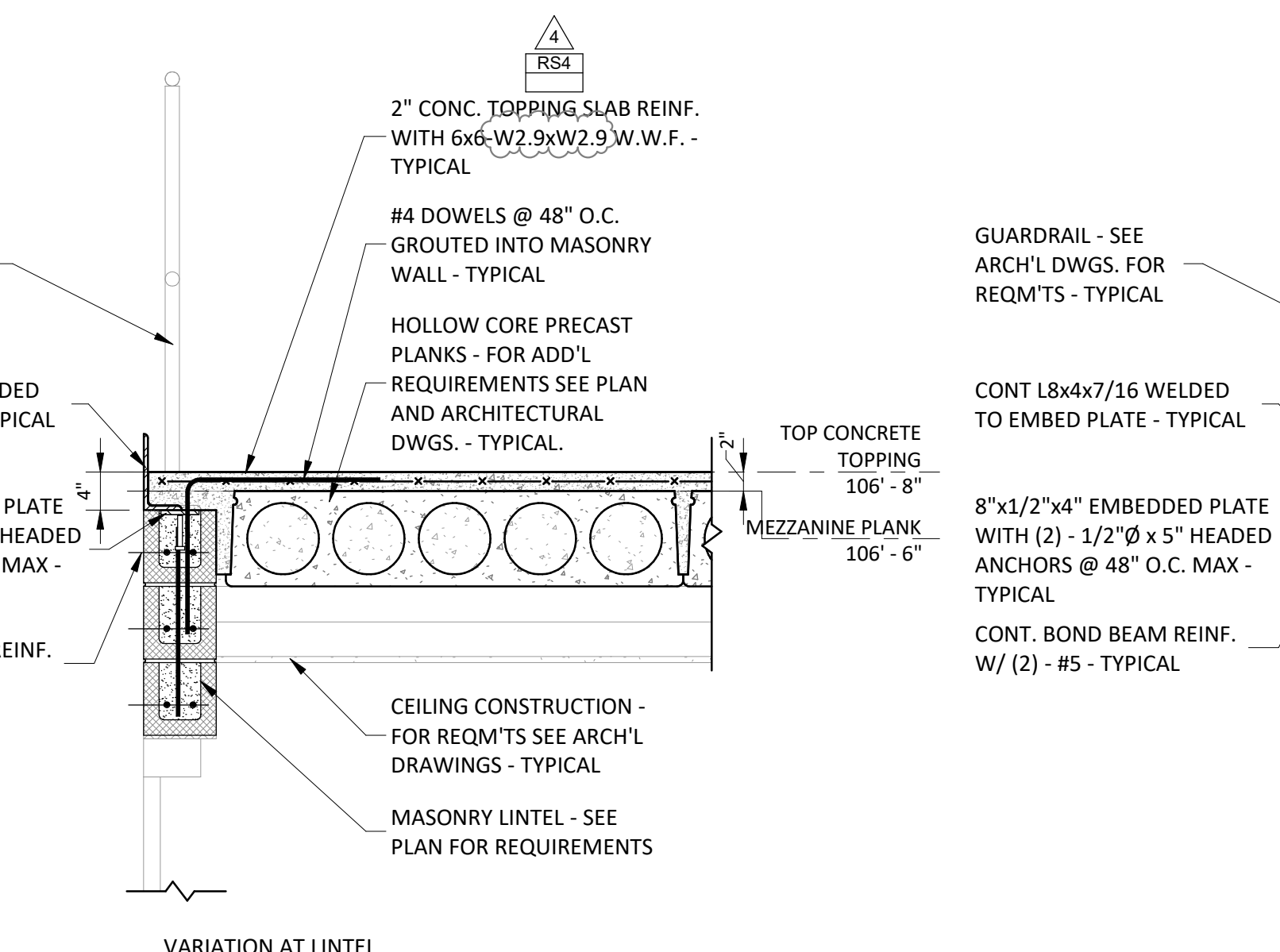
SECTION S4
SCALE: 3/4" = 1'-0"
S4-2-2



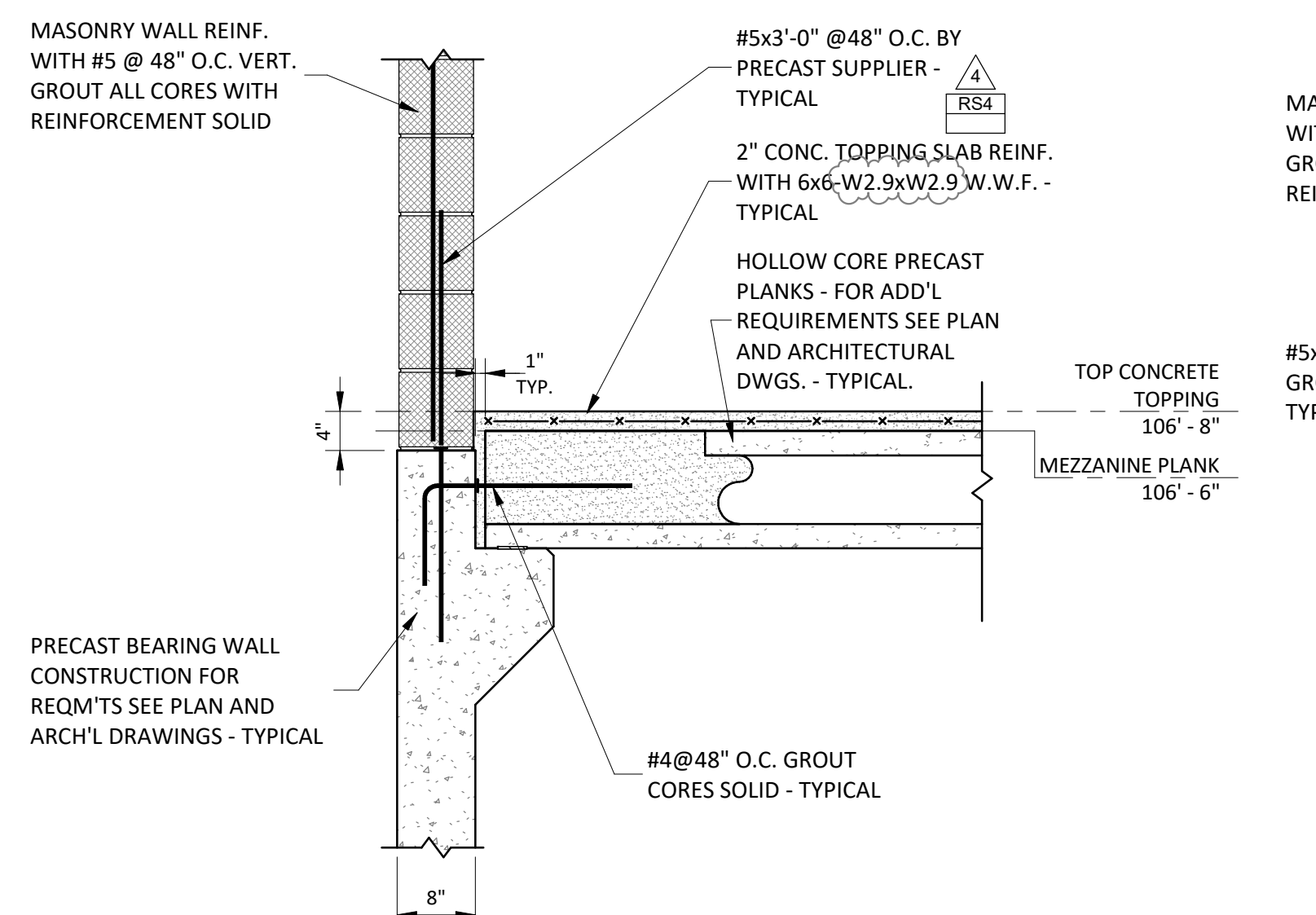
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S4-2-2



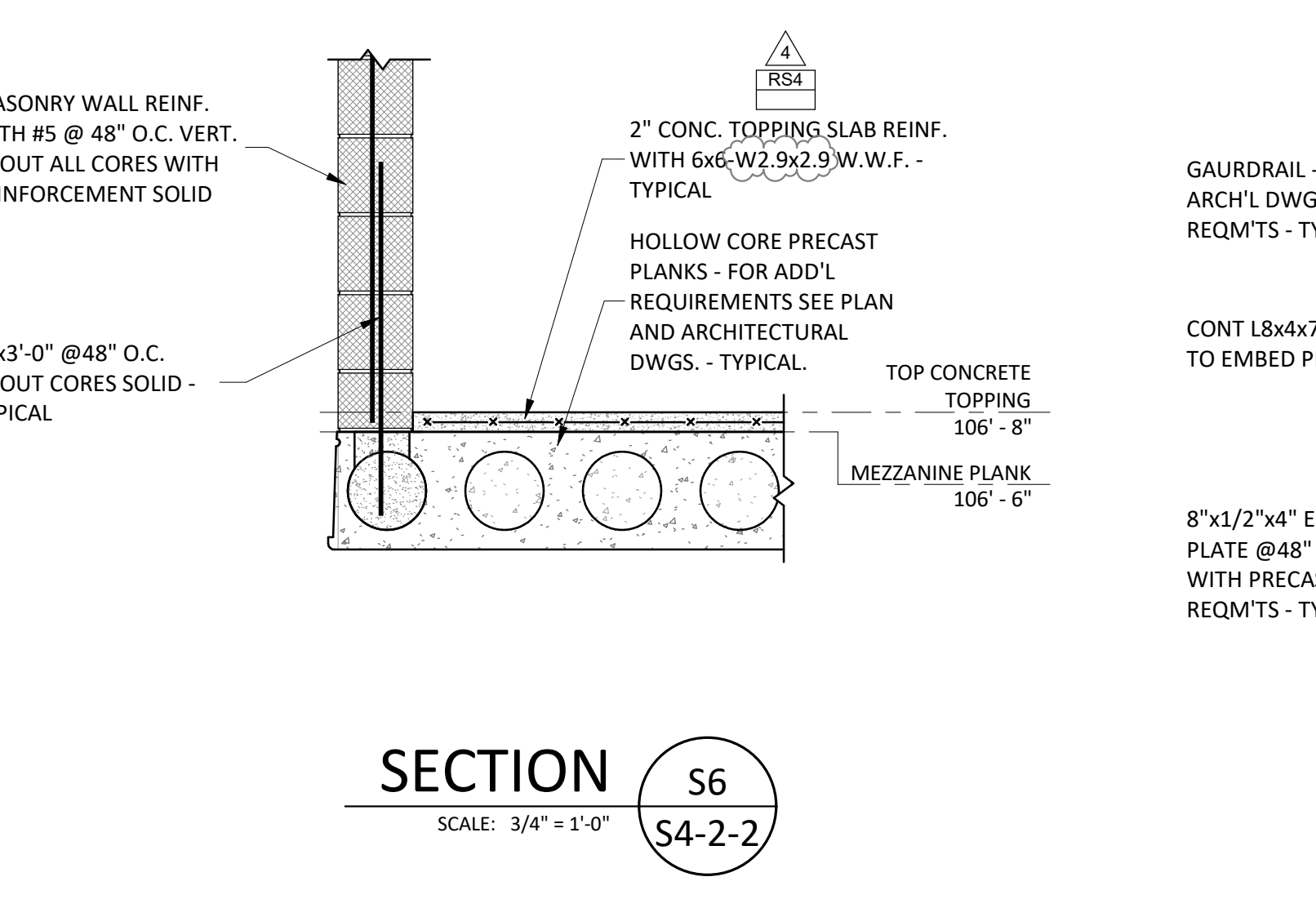
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S4-2-2



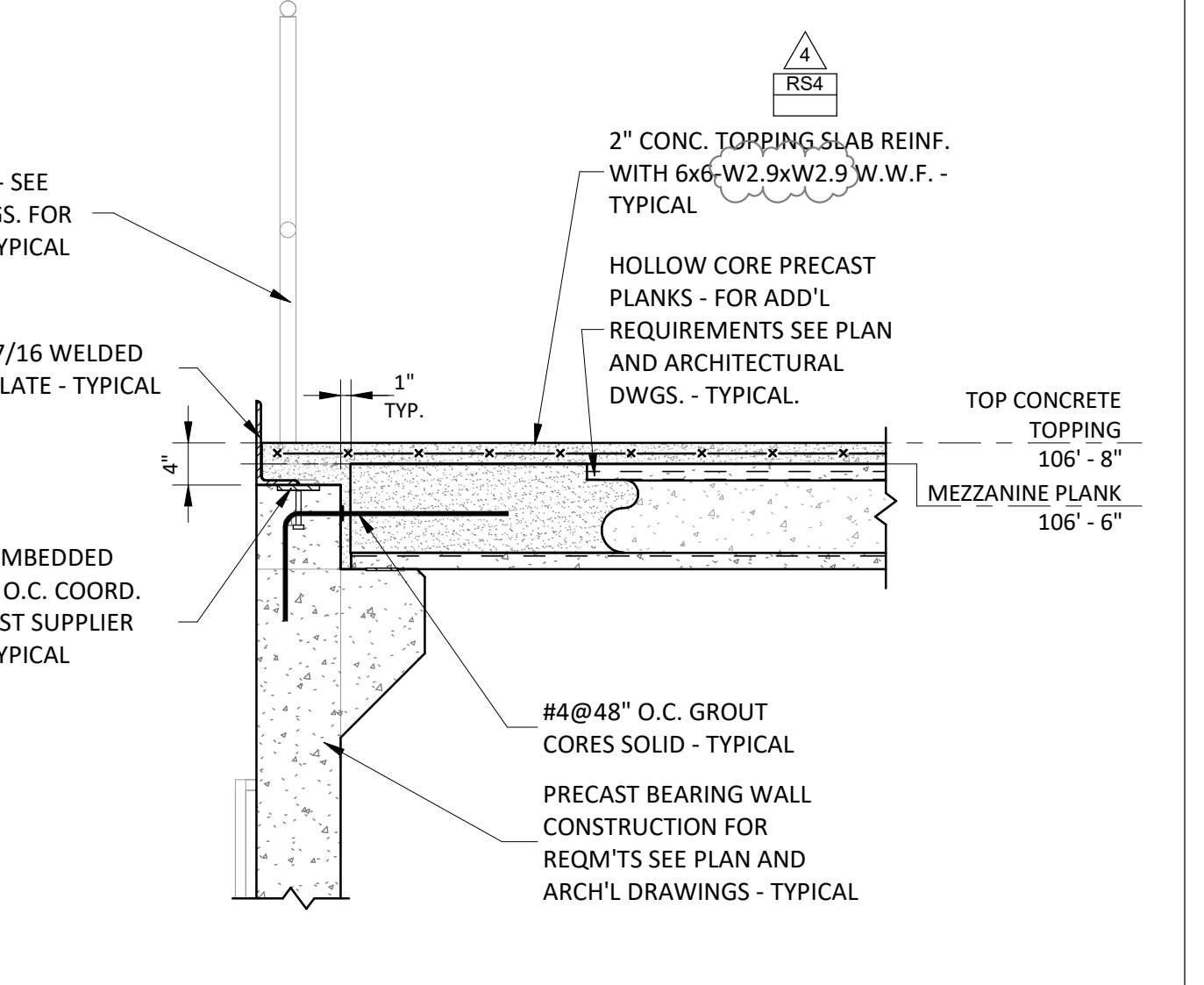
SECTION S1
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S4-2-2



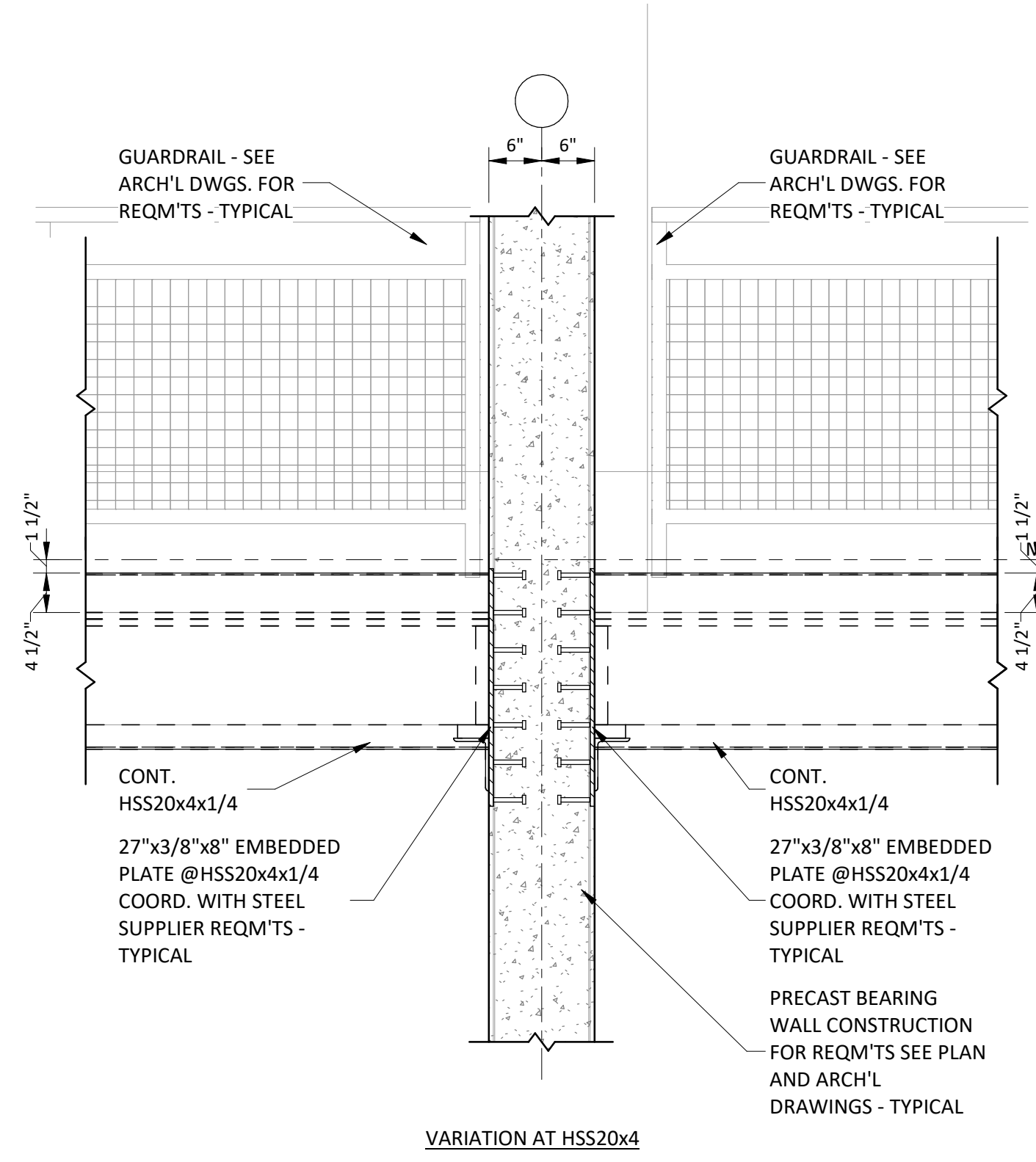
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S4-2-2



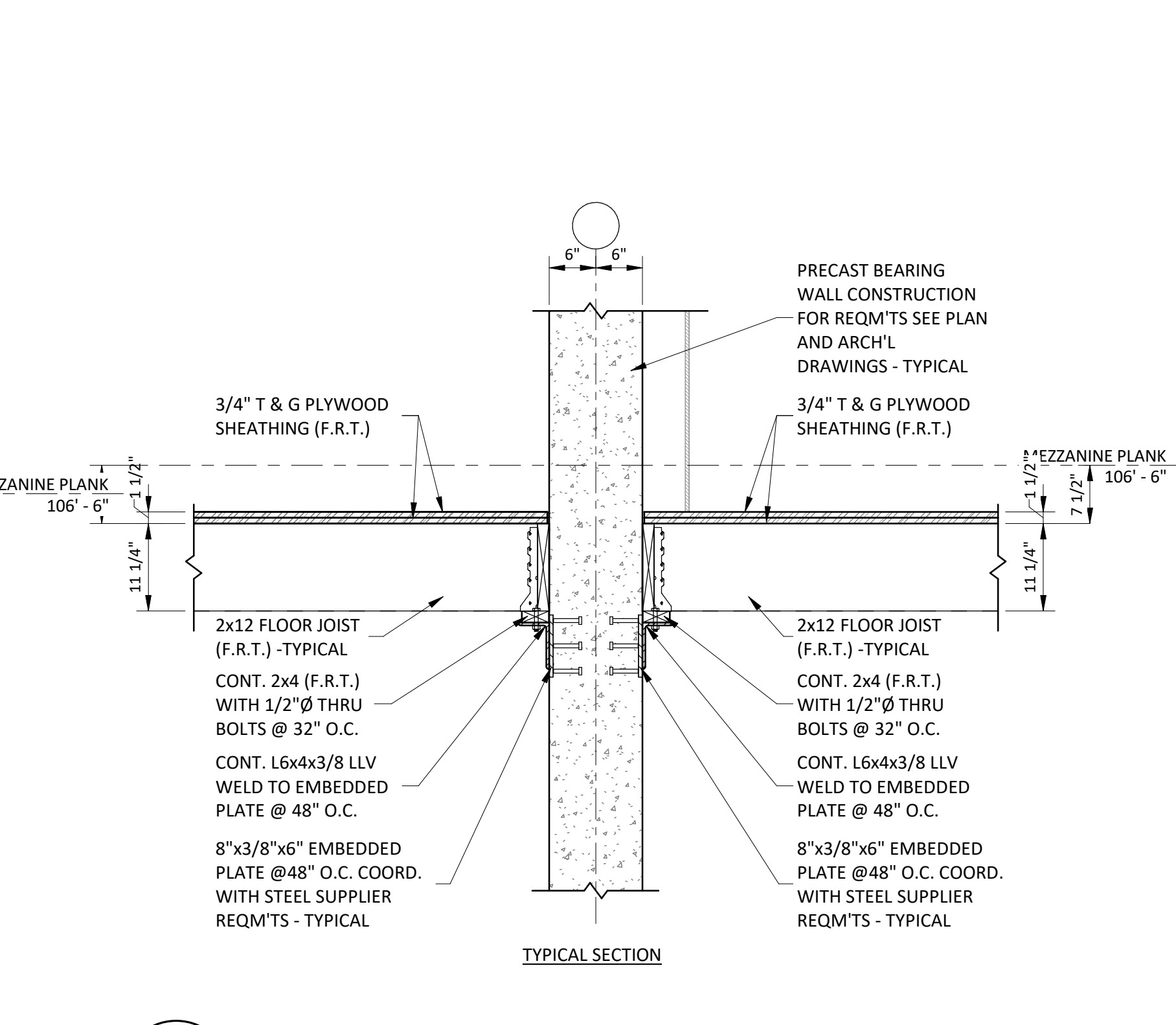
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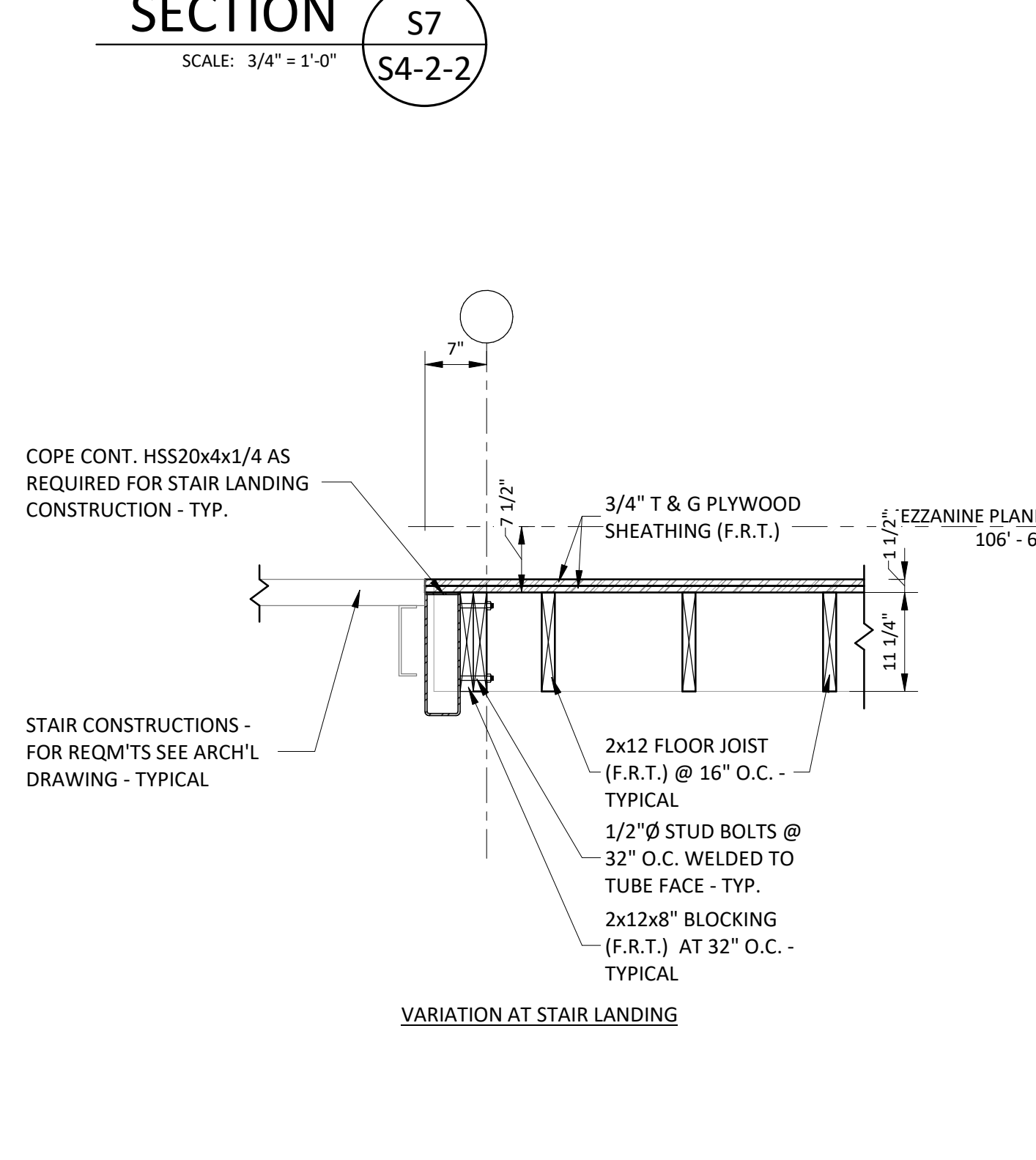
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S4-2-2



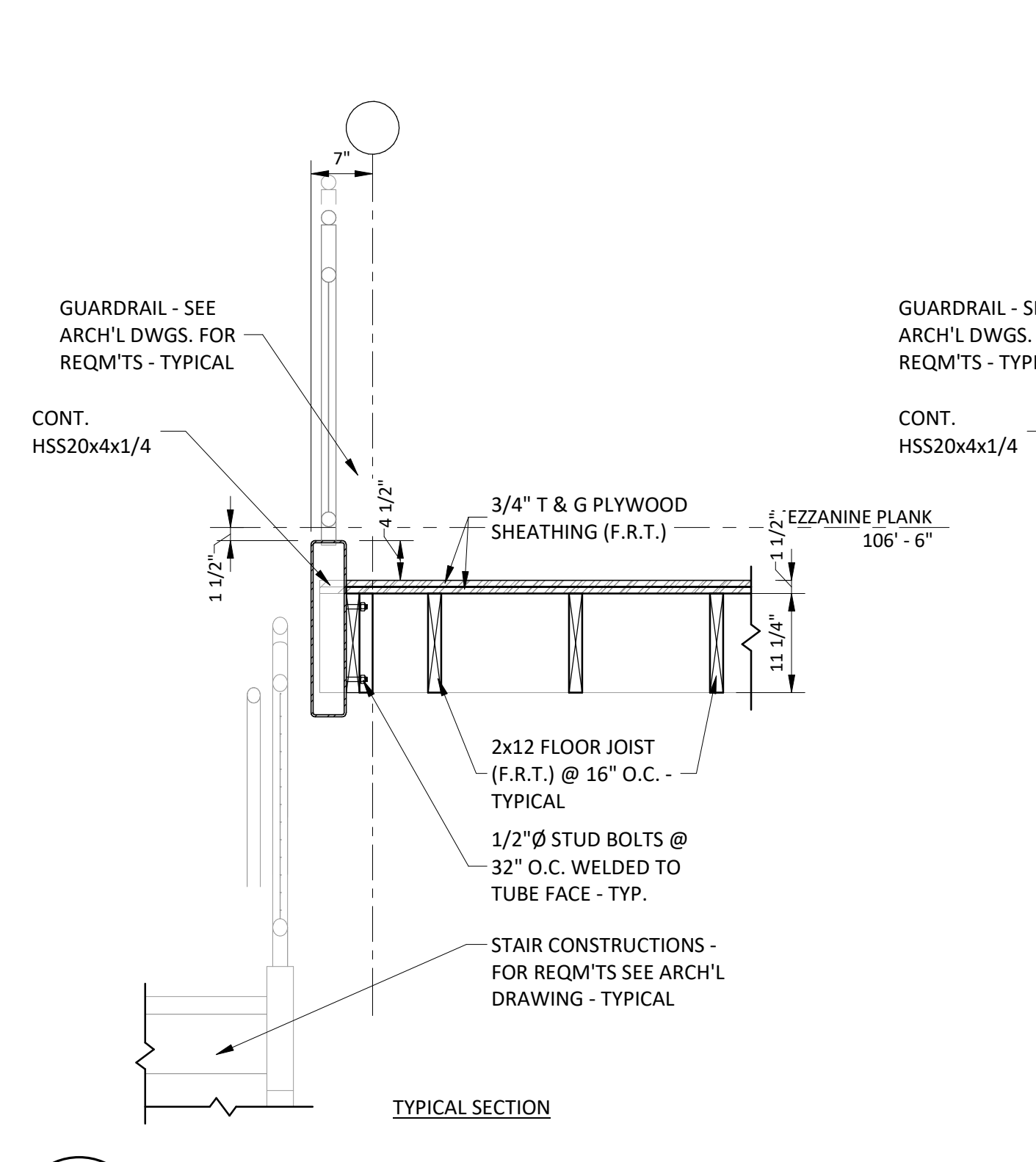
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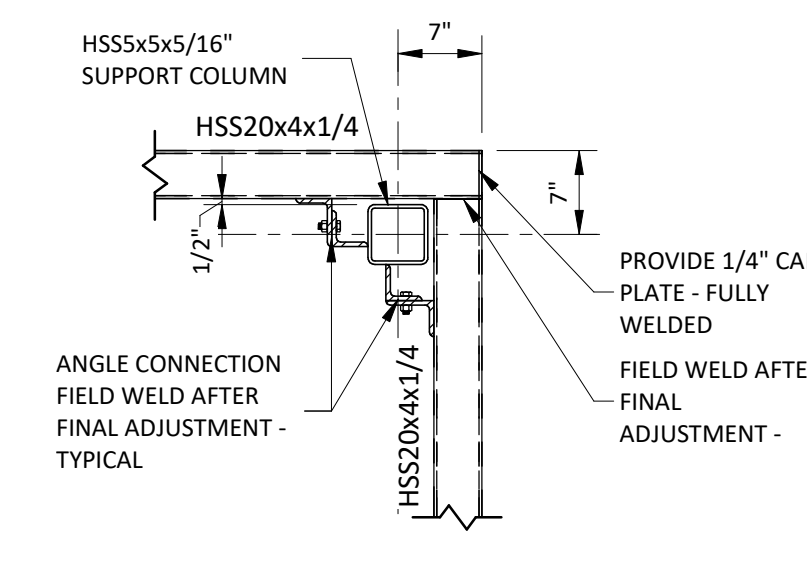
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S4-2-2



SECTION S8
SCALE: 3/4" = 1'-0"
S4-2-2

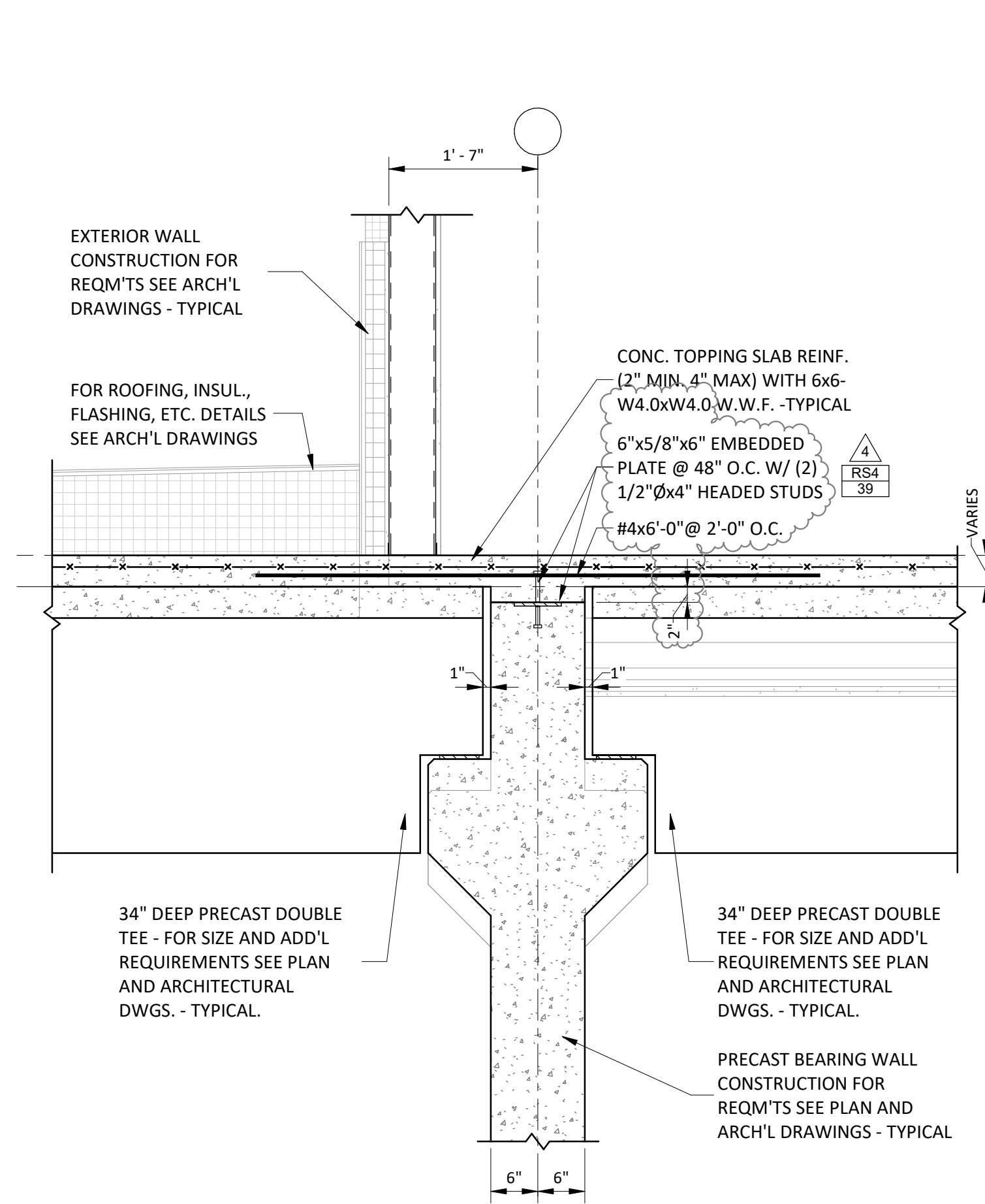


PLAN DETAIL S11
SCALE: 3/4" = 1'-0"
S4-2-2

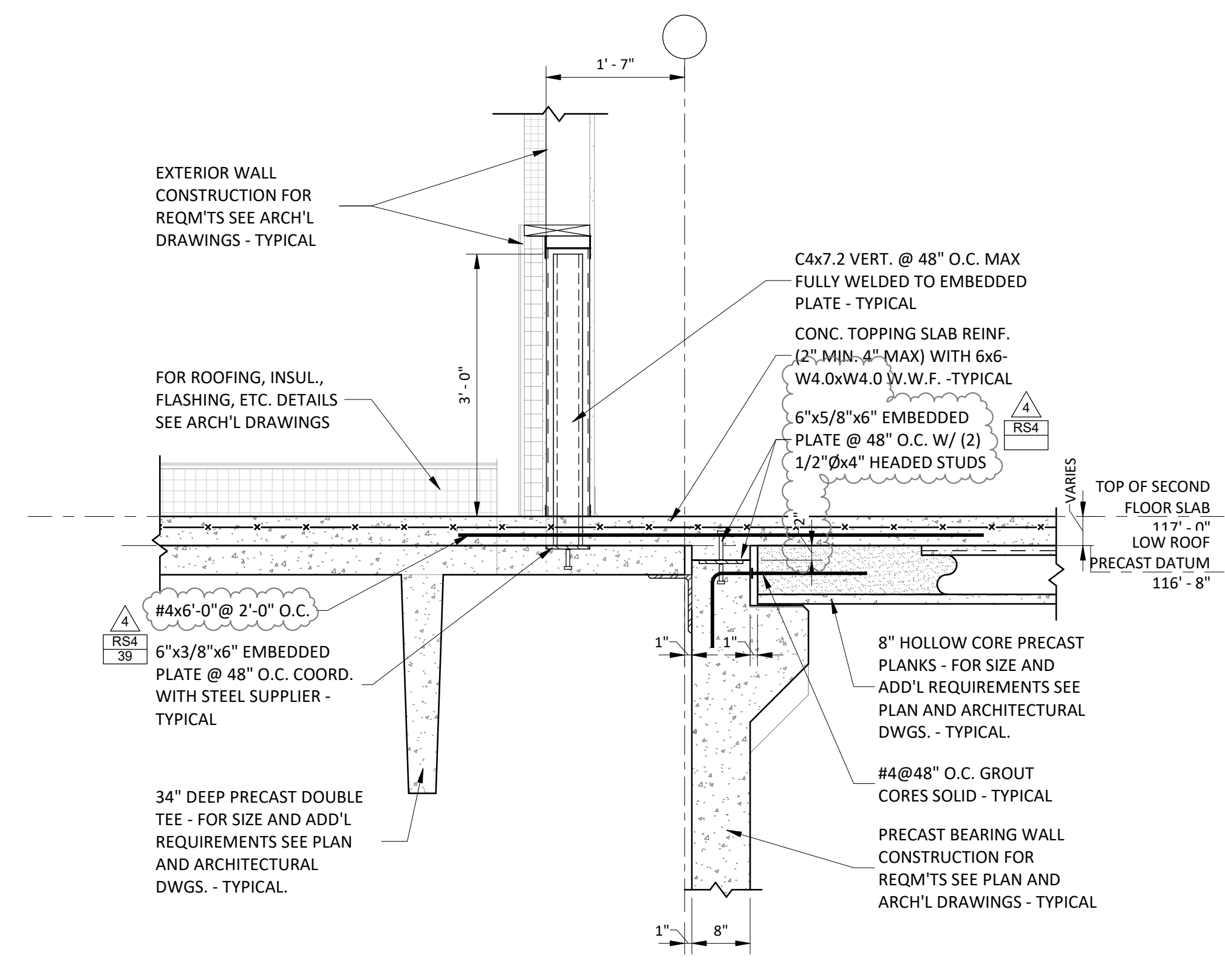


100% CONSTRUCTION DOCUMENTS			
drawing		STRUCTURAL SECTIONS	
STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES			
drawing		drawing	
SZEWCAZAK ASSOCIATES		dat	
300 Main Street Avon, CT 06001		05/24/2019	
Projec		scale	
ADDITIONS AND RENOVATIONS		3/4" = 1'-0"	
PLATT TECHNICAL HIGH SCHOOL		drawing	
600 Orange Avenue Middletown, CT 06461		approved	
CAD		ARC	
DCS project		drawing	
BART-076 CM-R		OSCGR project	
		900-0113	
		S4-2-2	

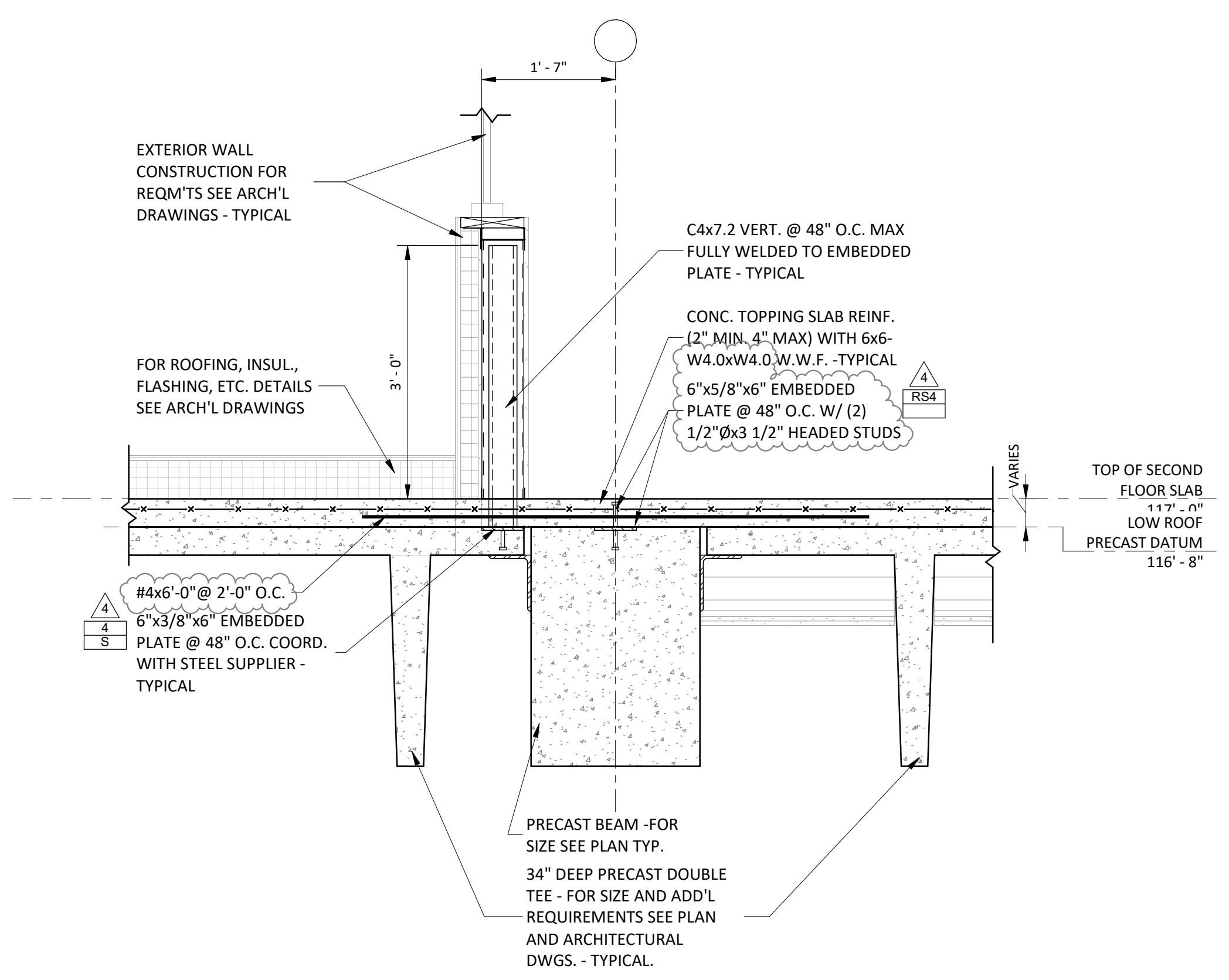




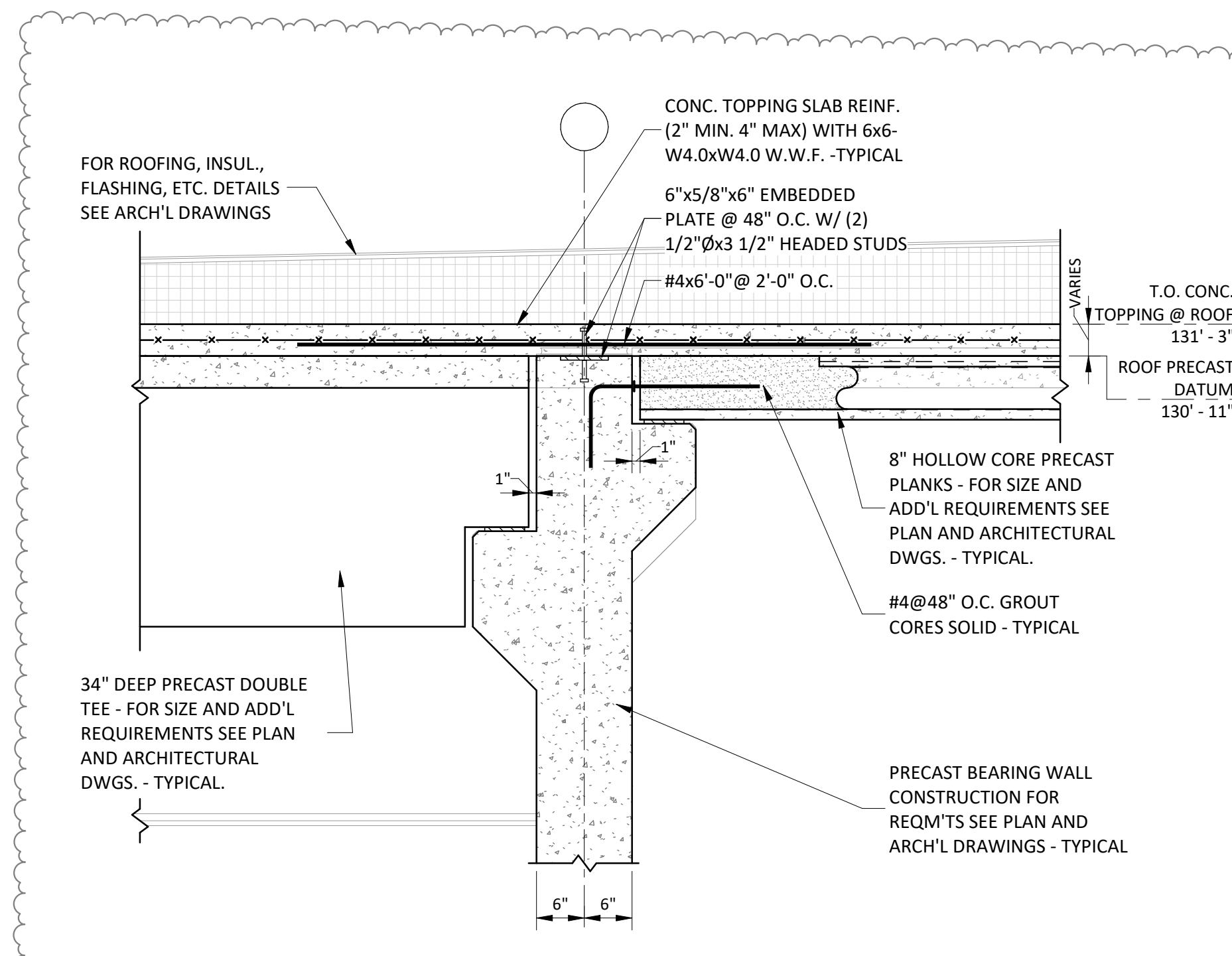
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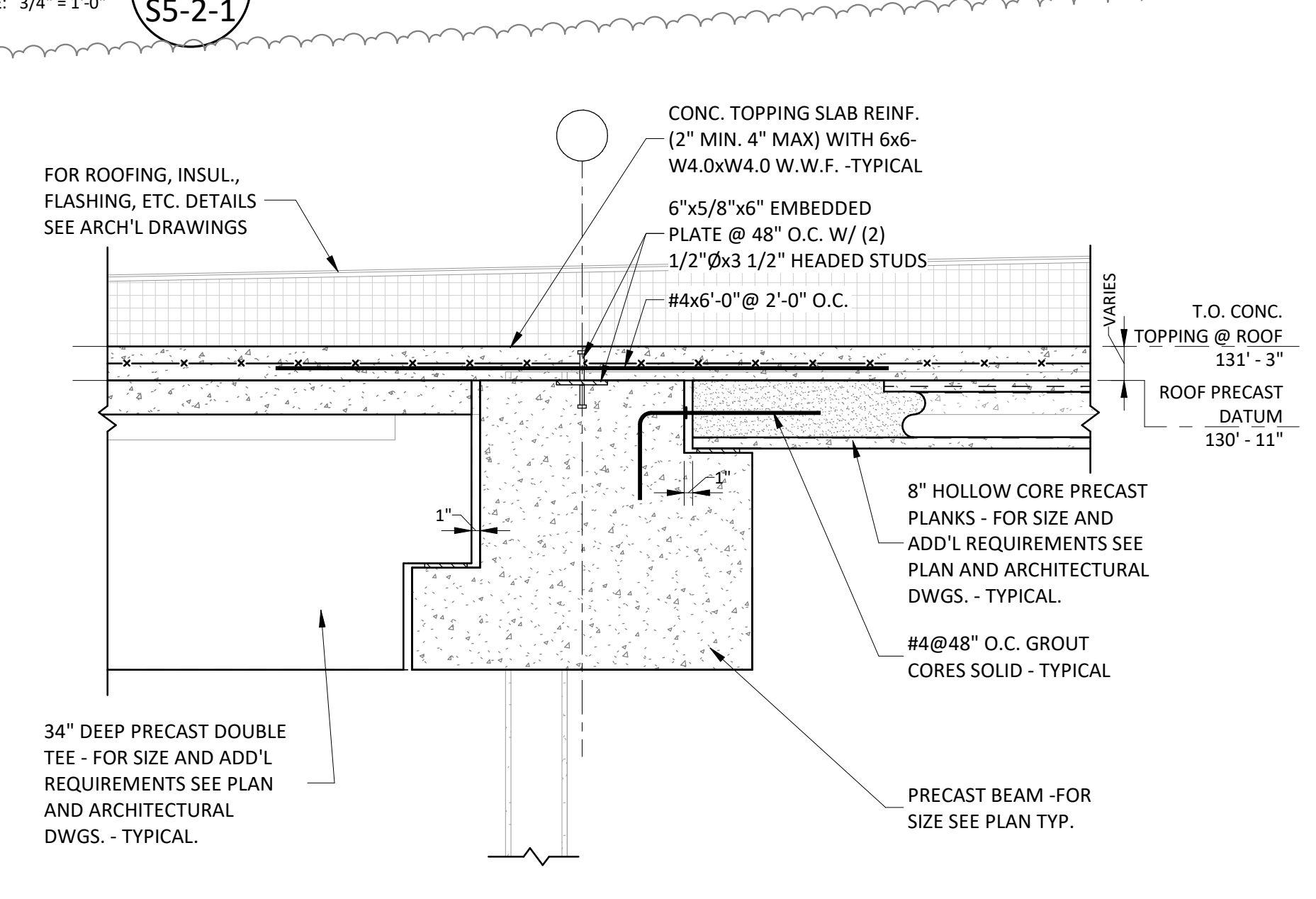
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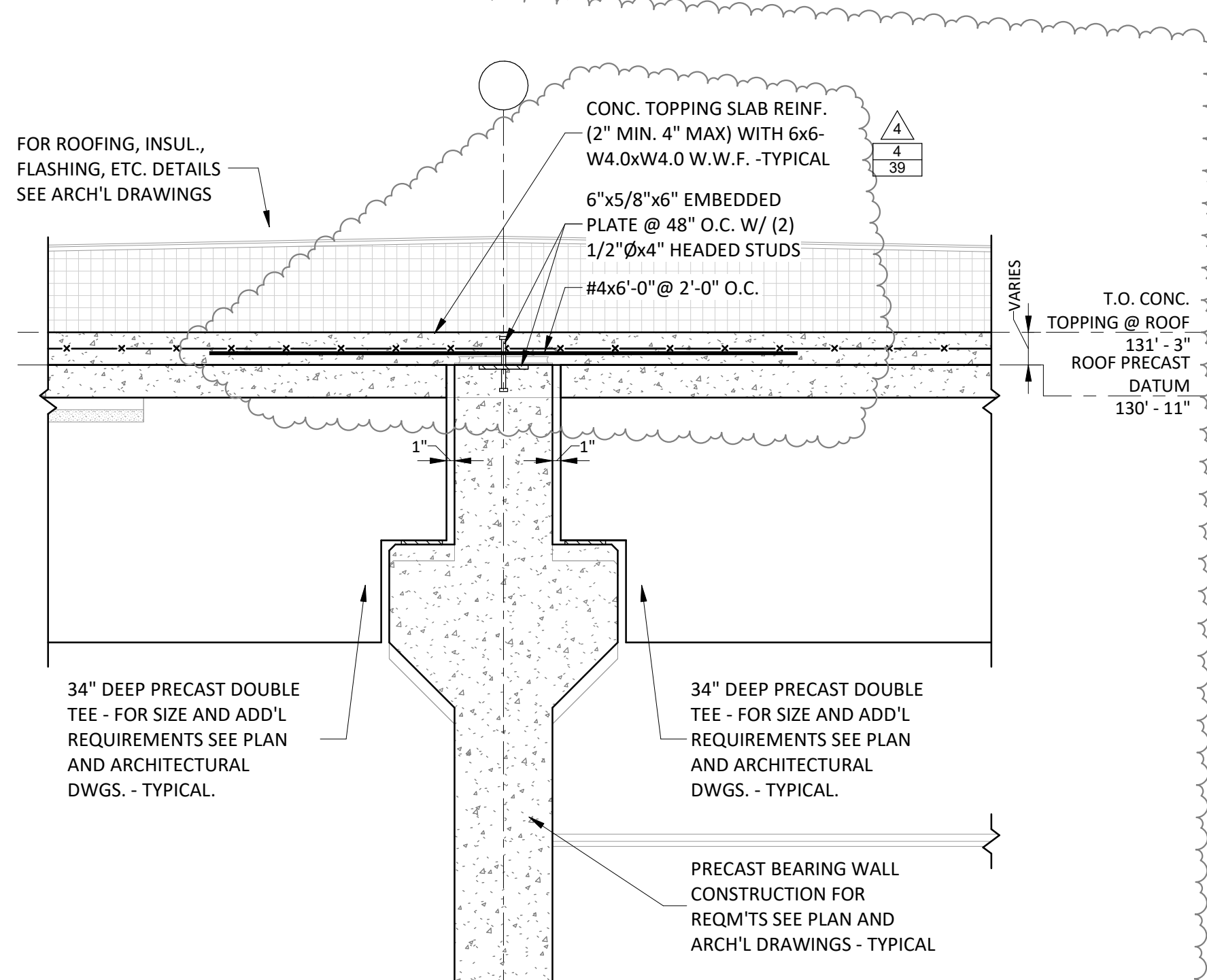
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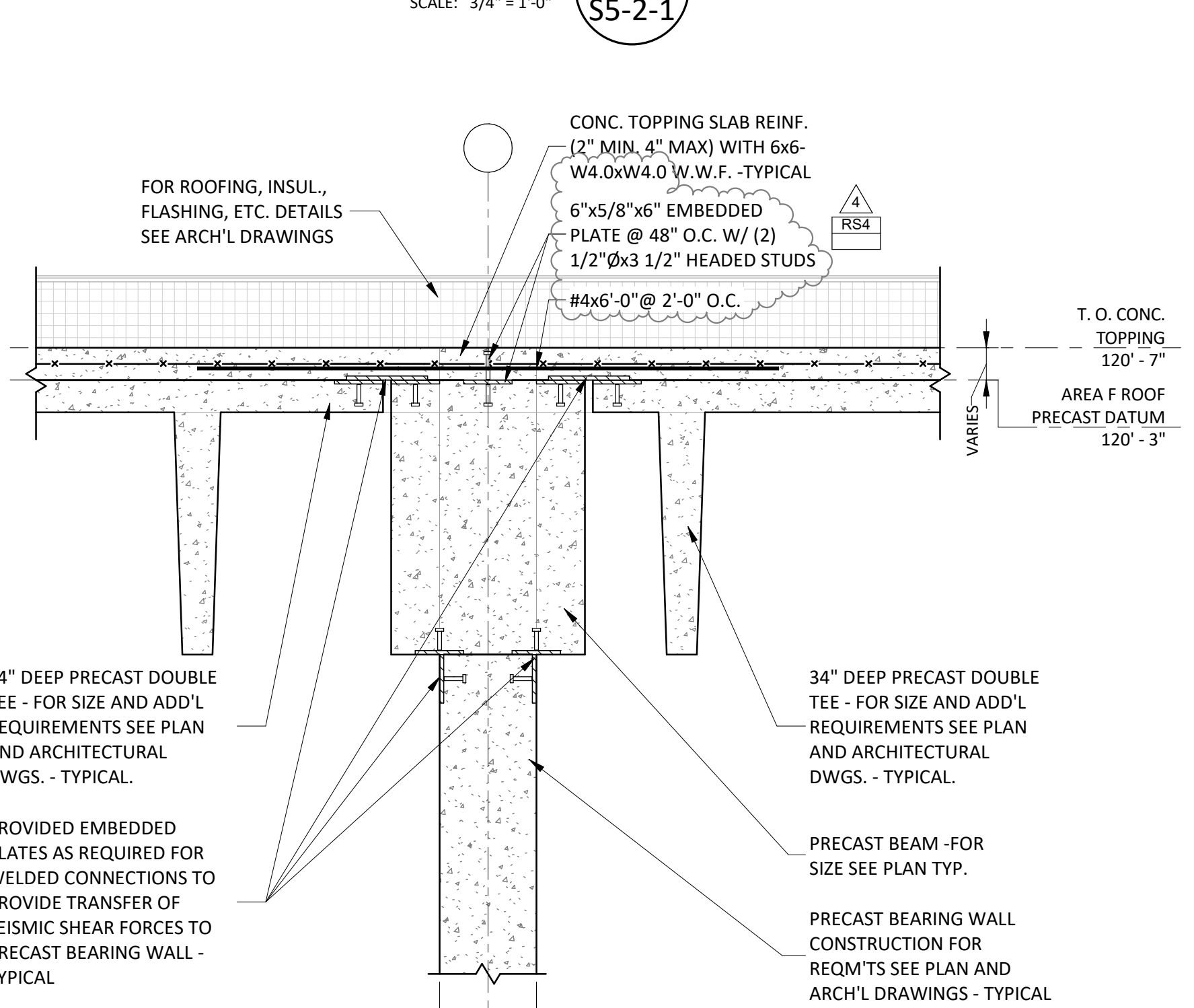
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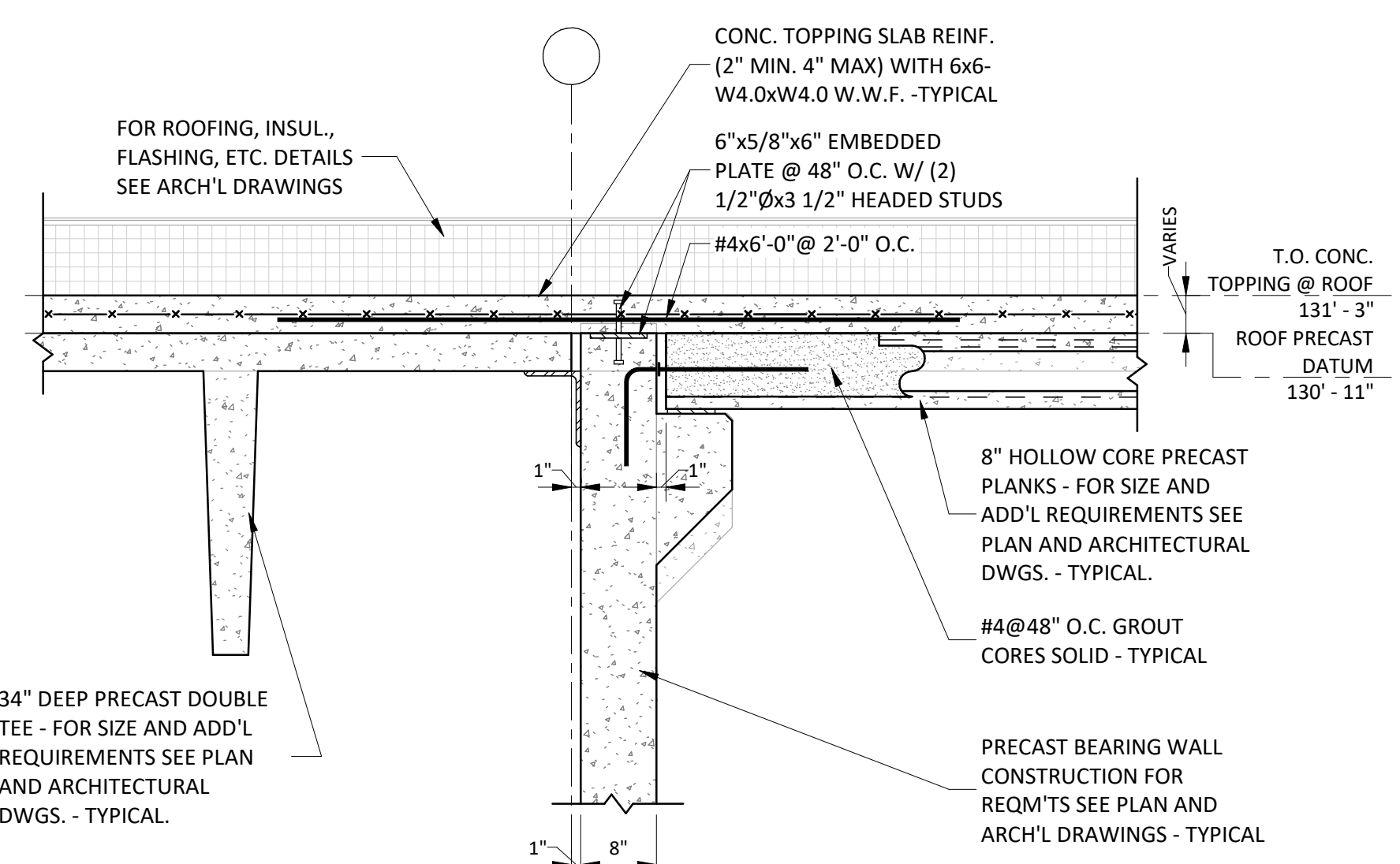
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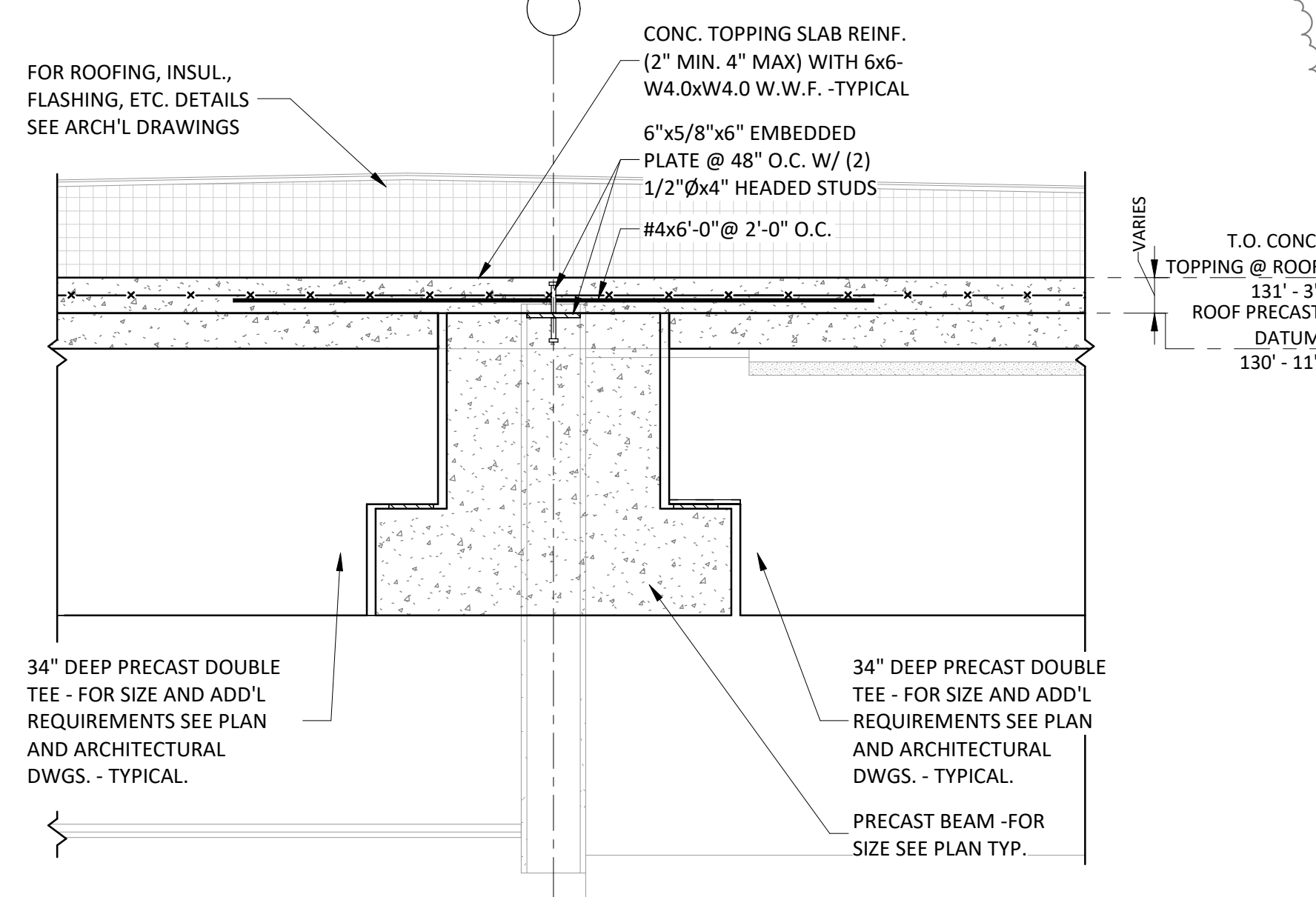
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SECTION R4
SCALE: 3/4" = 1'-0"



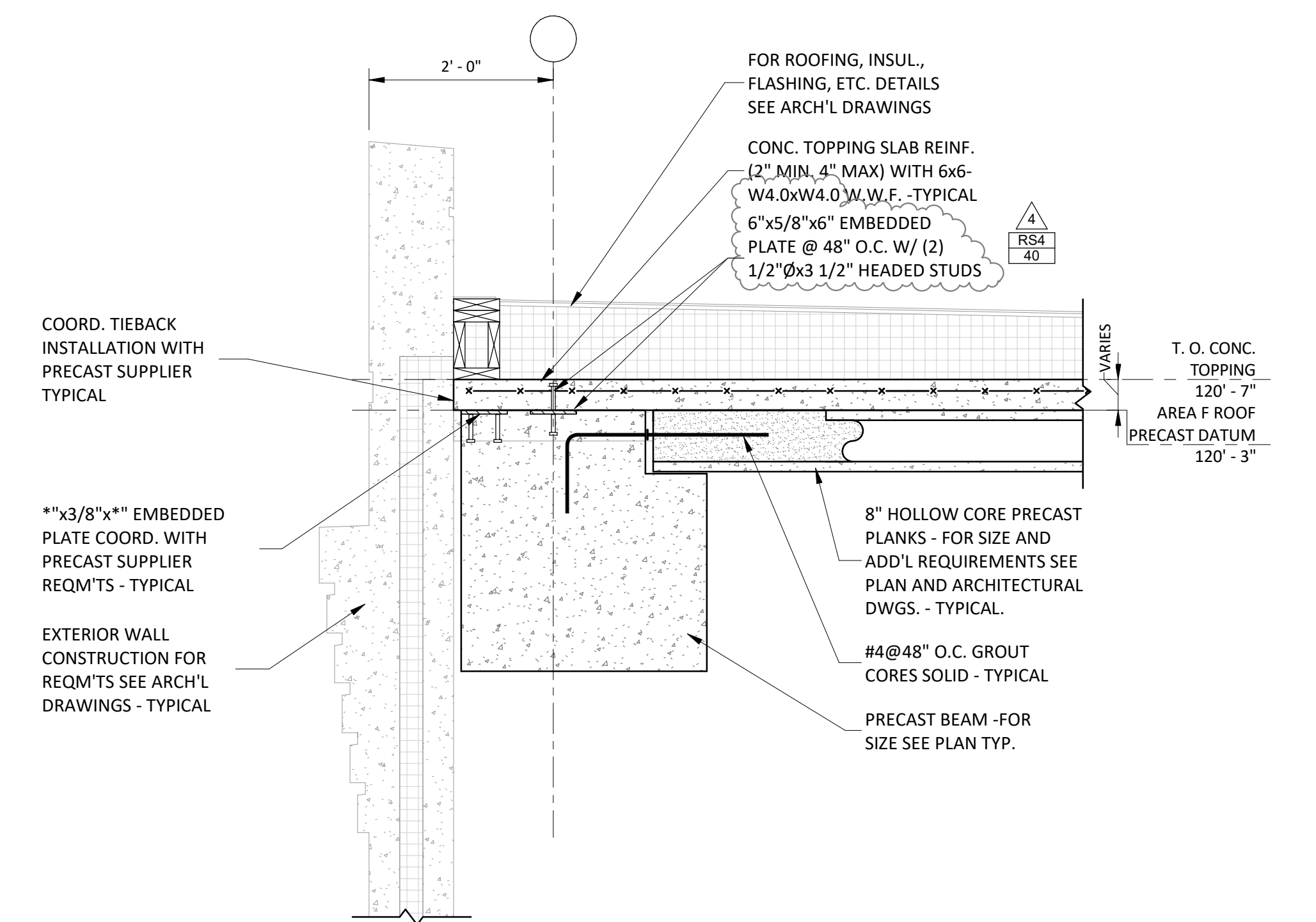
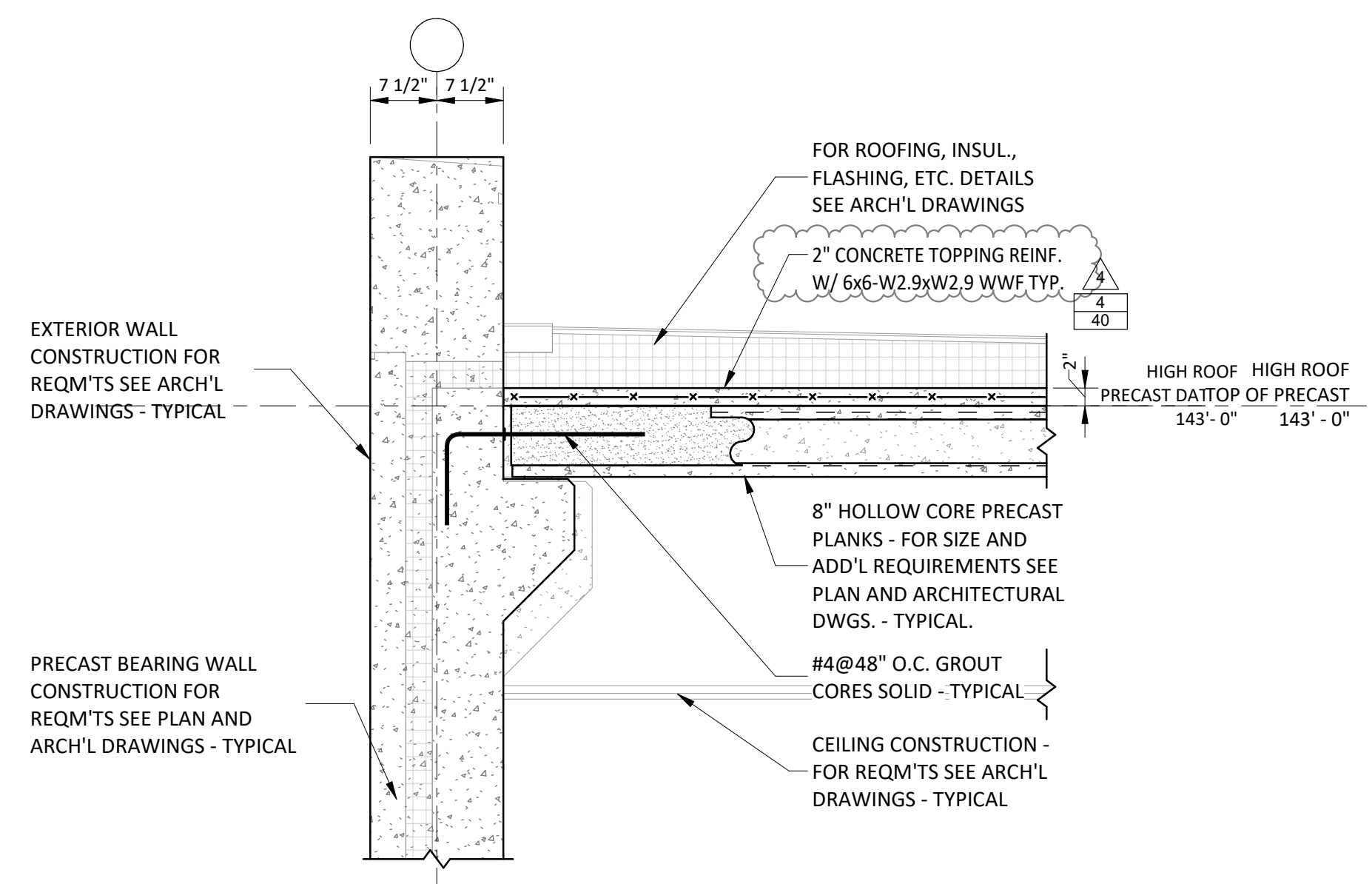
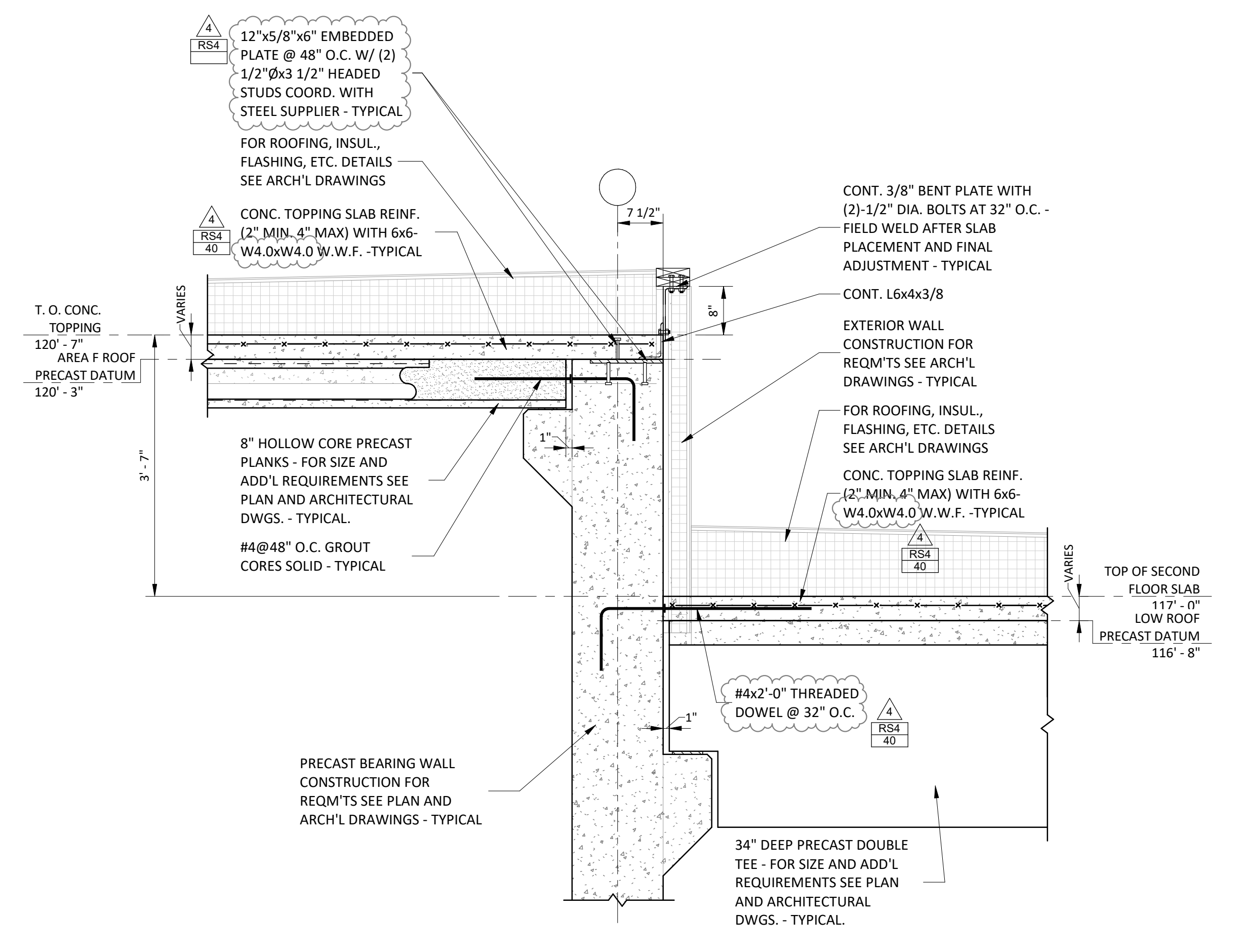
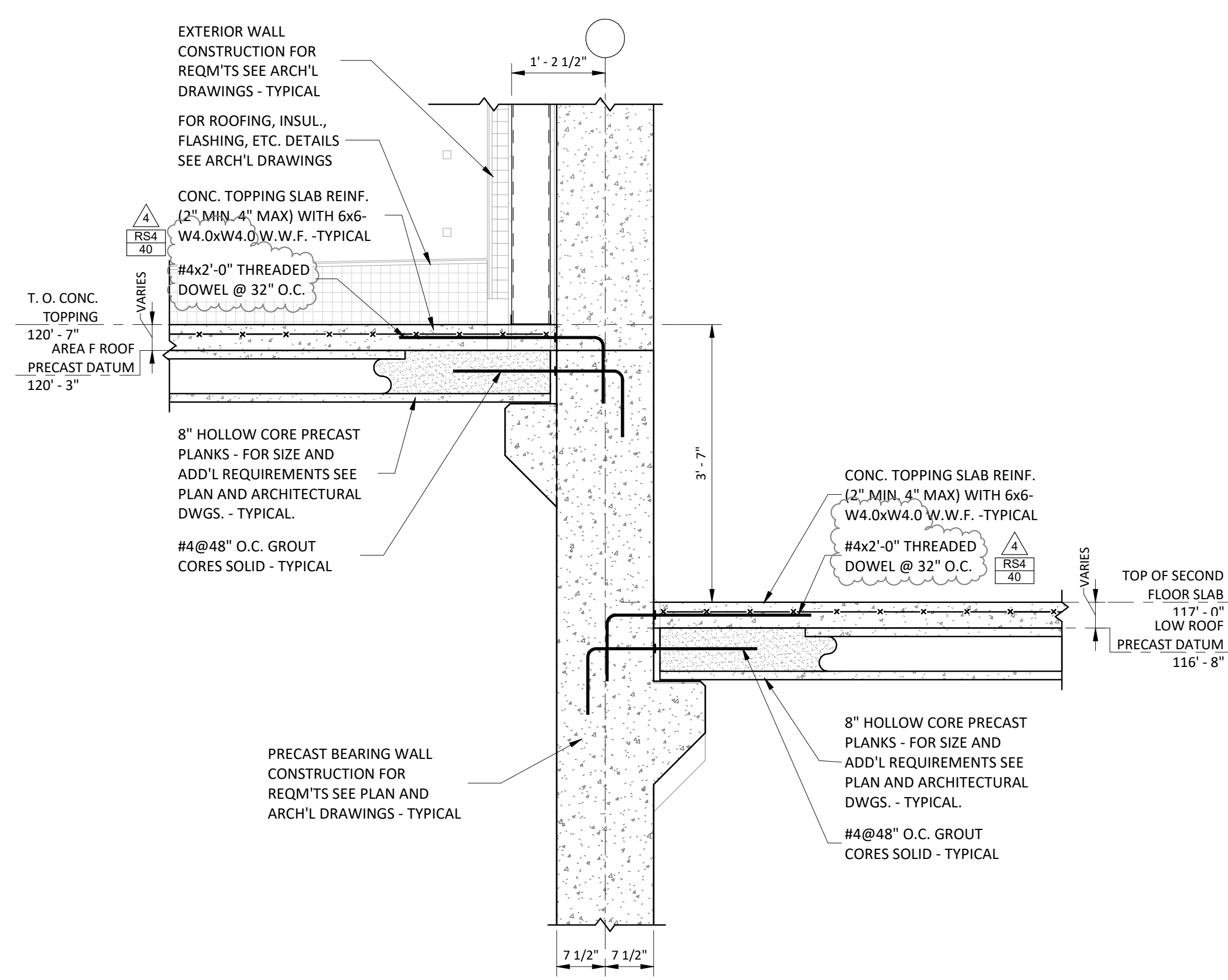
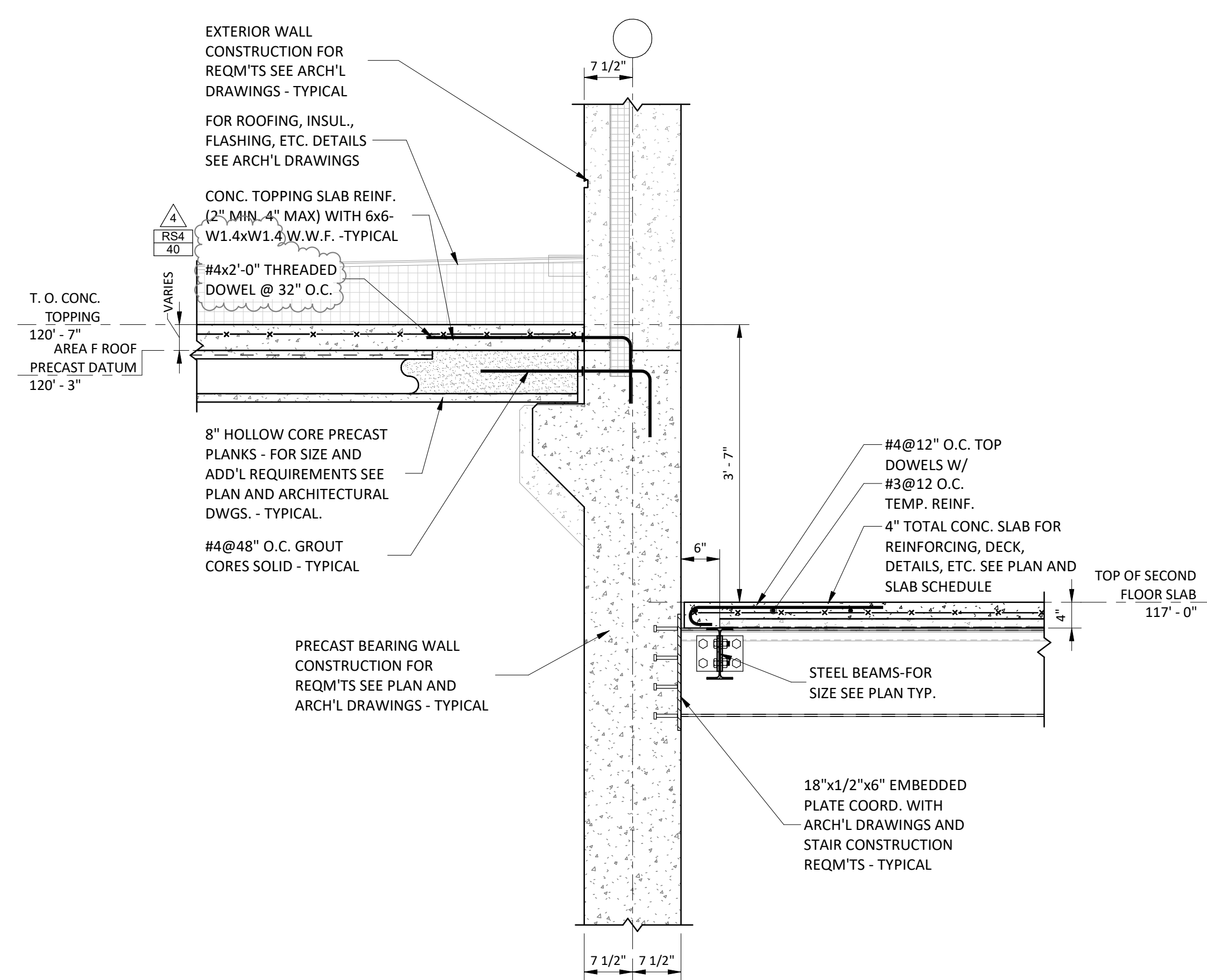
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SCALE: 3/4" = 1'-0"



SECTION R8
SCALE: 3/4" = 1'-0"

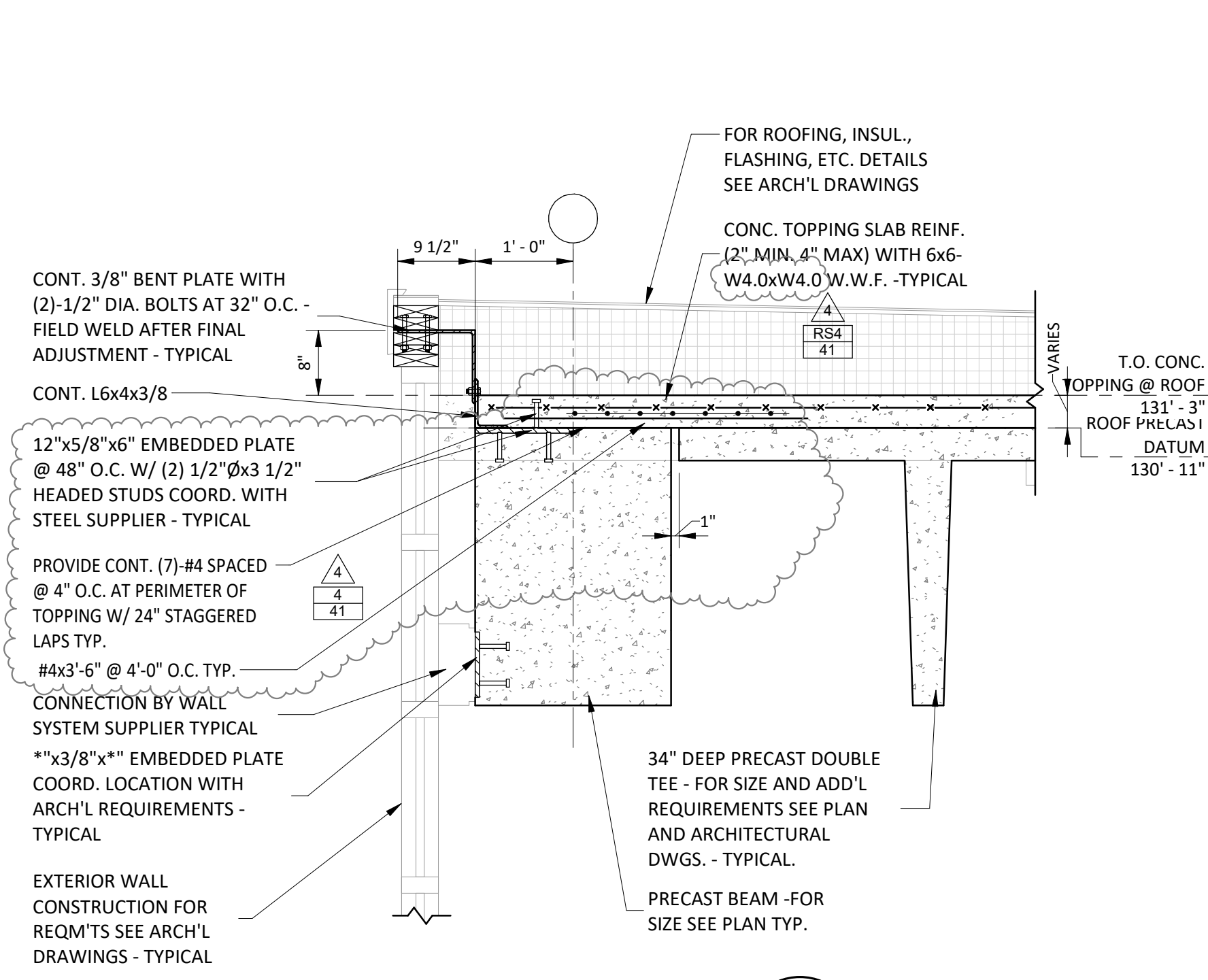


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STRUCTURAL ROOF SECTIONS			SZYMCHAK ASSOCIATES	
			200 River Street Avon, CT 06001	
REVISIONS			date	
mar		description		05/24/2019
4	06/09/2019	ADDENDUM #4		3/4" = 1'-0"
projec			approved	
ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL			drawing	
600 Orange Avenue Middletown, CT 06461			approved	
CAD			drawing	
DCS project BART-076 CM-R			OSCGR project 900-0113	
			S5-2-1	

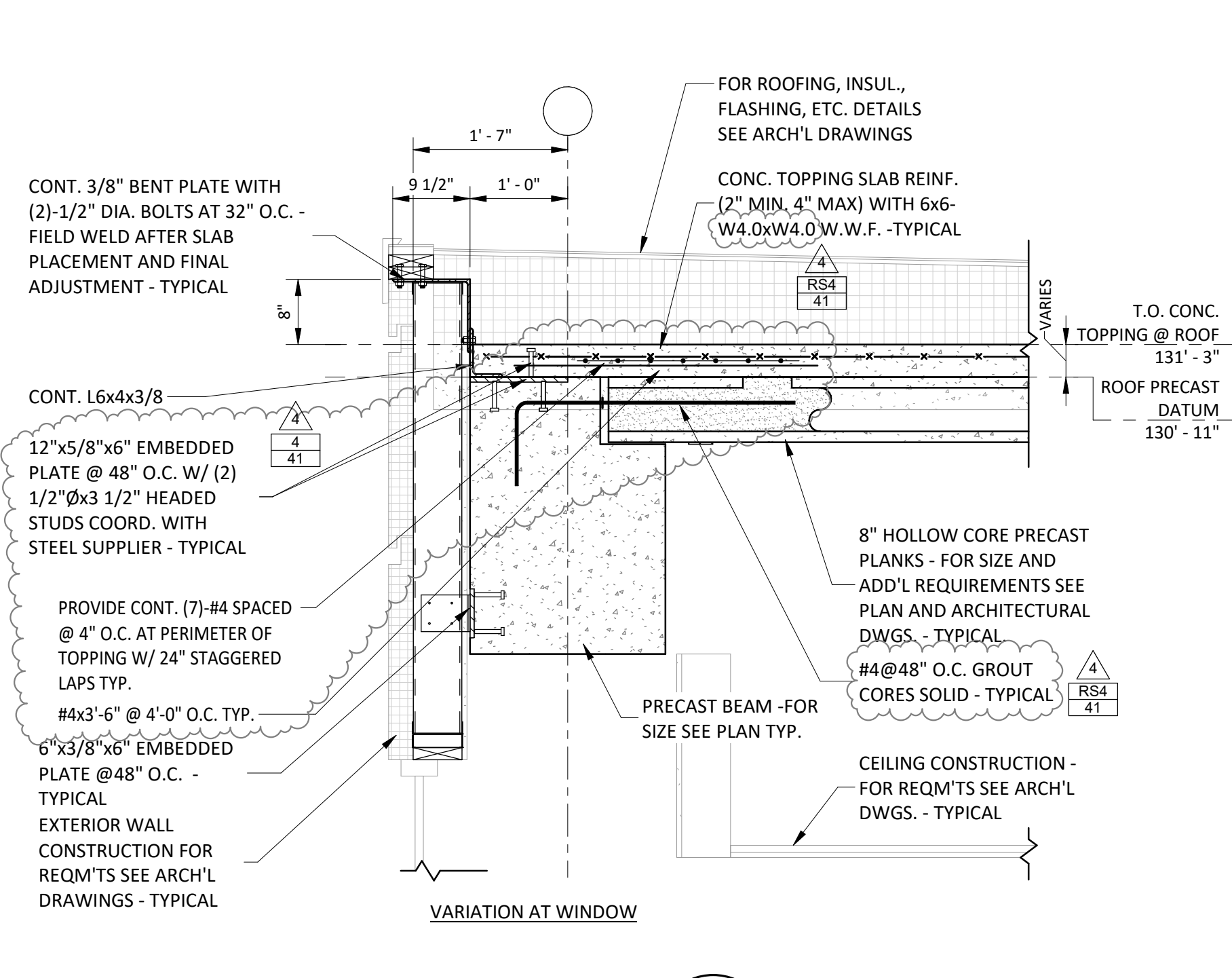


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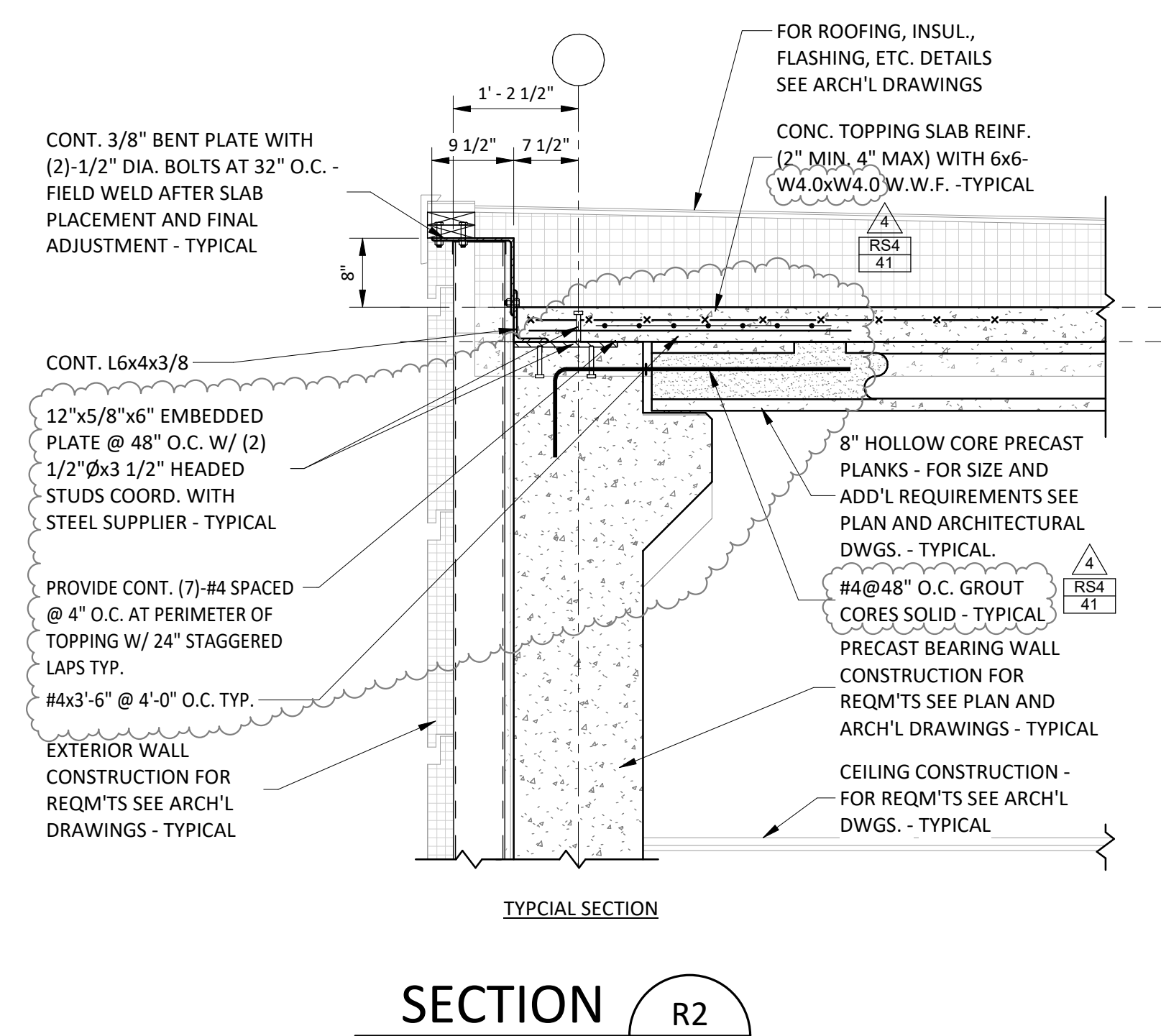
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mar	date	description	SZEWCAZK ASSOCIATES		
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4	08/09/2019	ADDENDUM #4	projec ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461		
CAD			OSCGR project		
			990-0013		
			S5-2-2		
			dat 05/24/2019		
			scale 3/4" = 1'-0"		
			drawn Author		
			approved Approve		
			drawing		



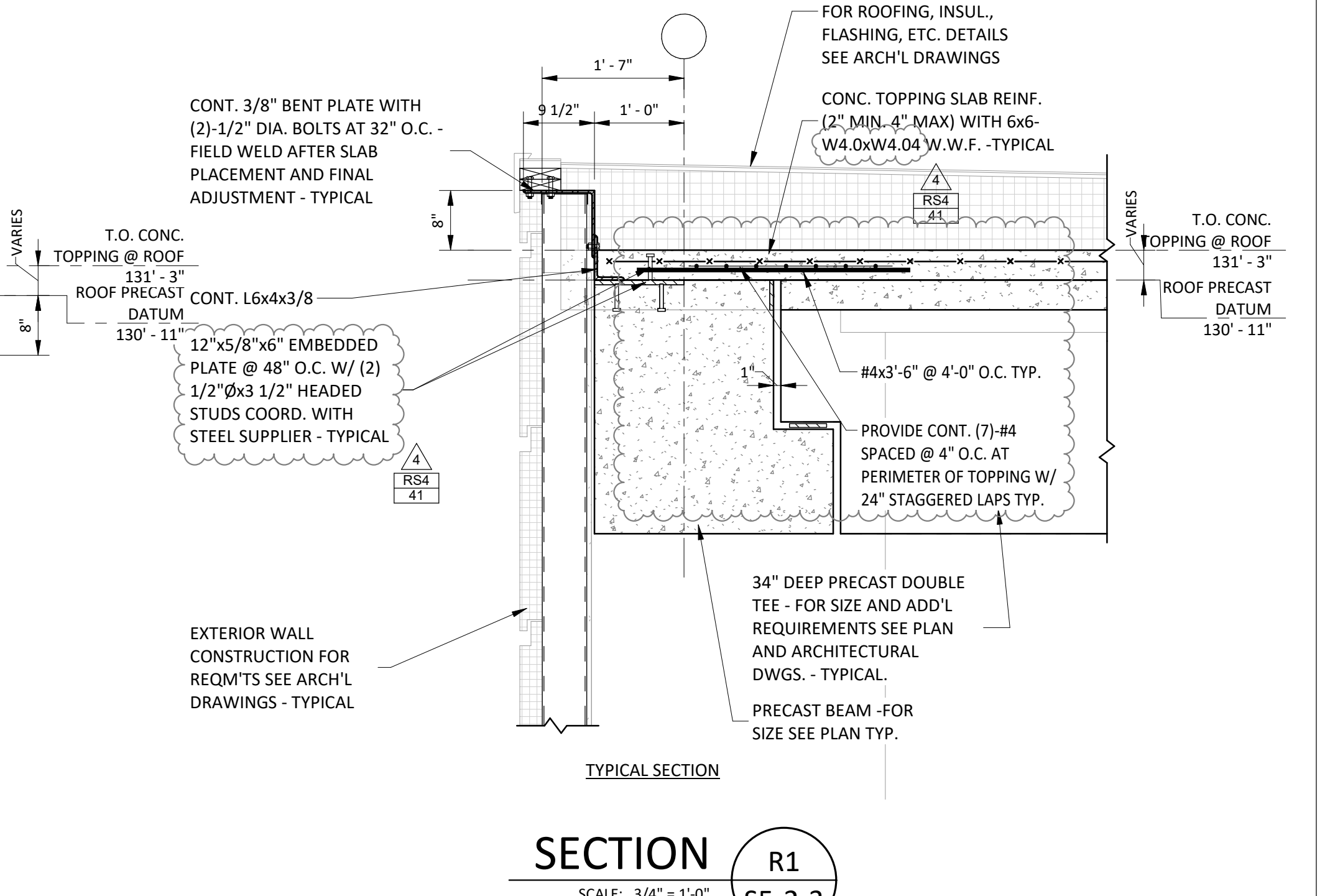
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SCALE: 3/4" = 1'-0"
S5-2-3



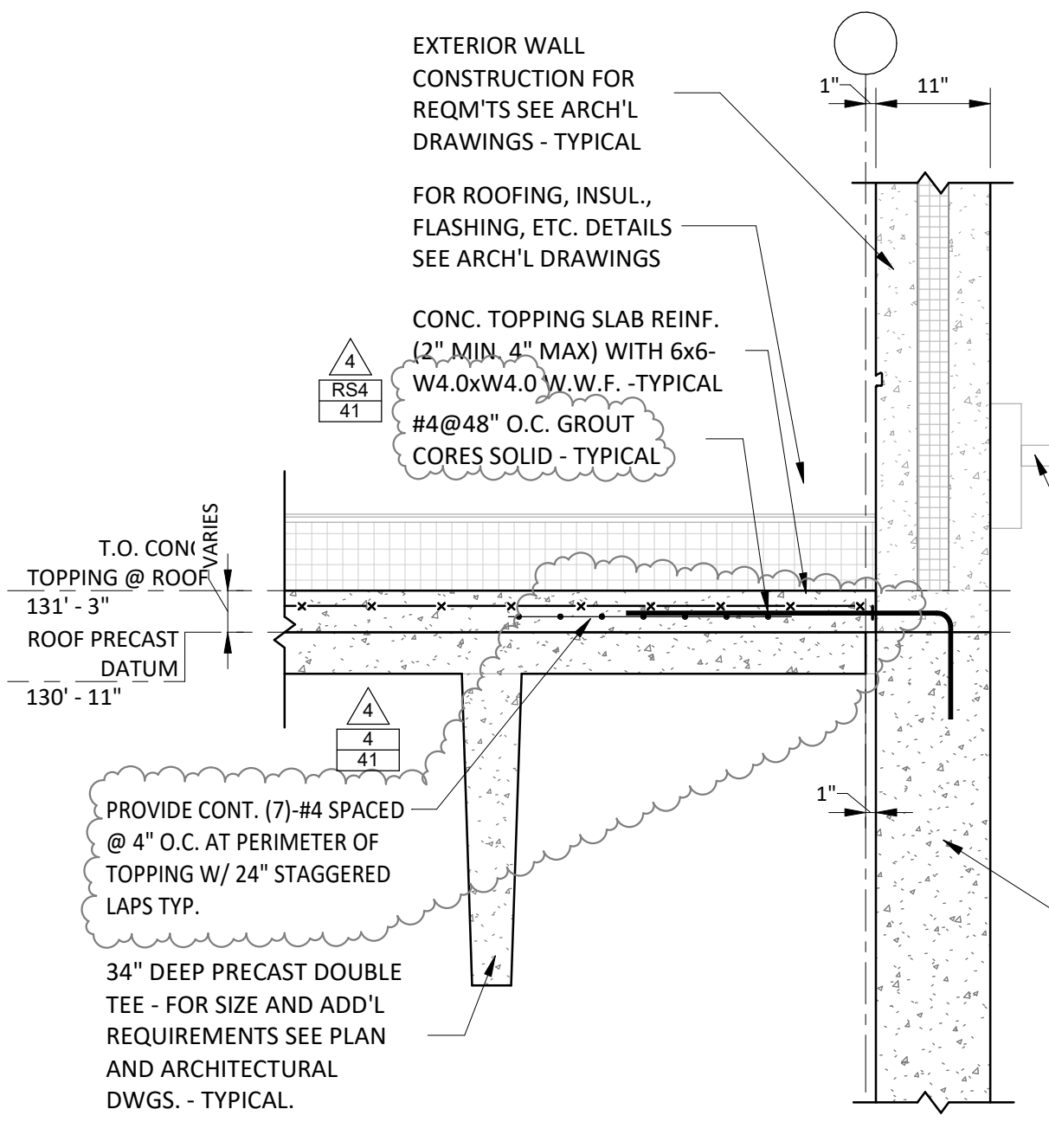
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S5-2-3



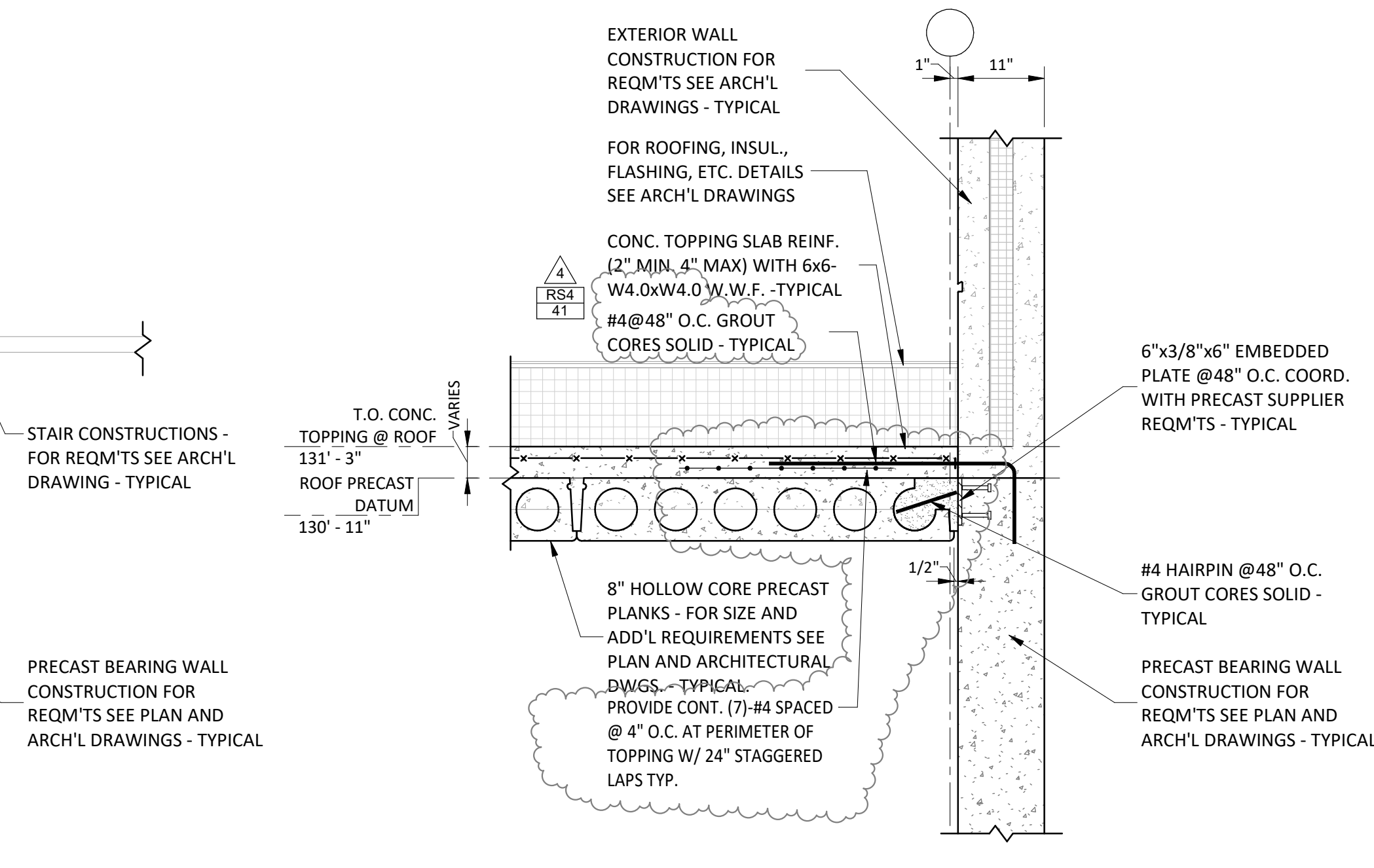
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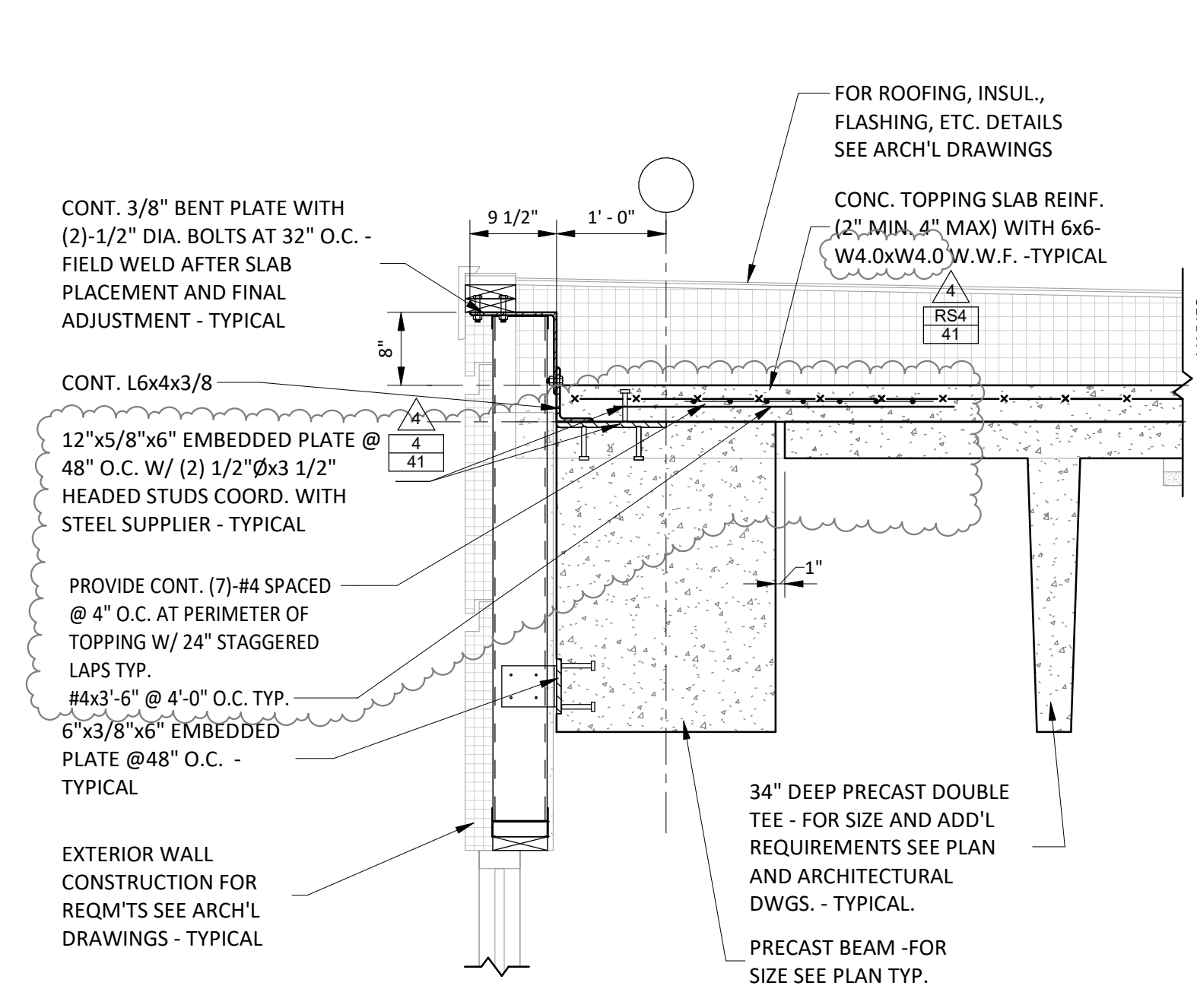
SECTION R1
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S5-2-3



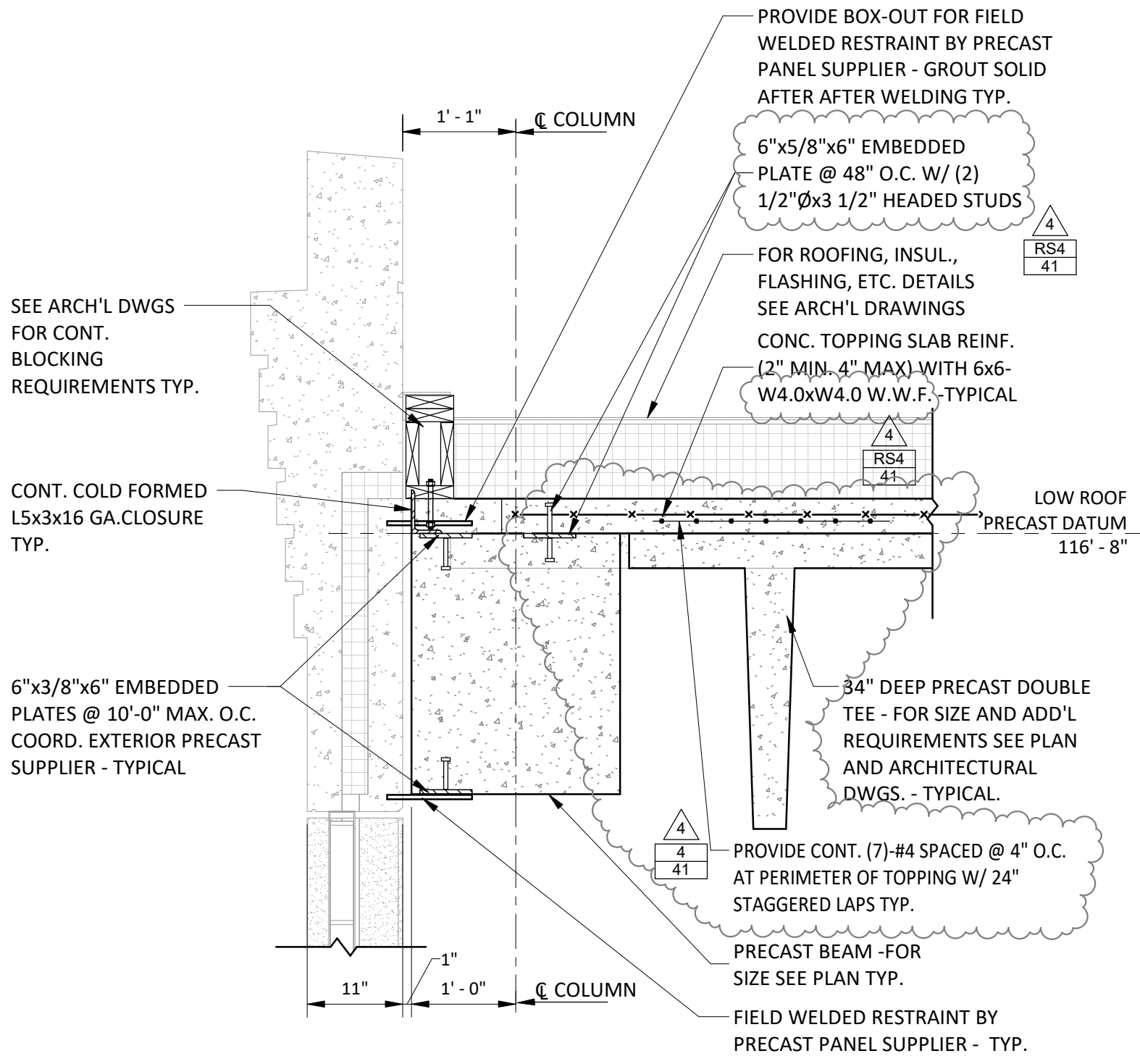
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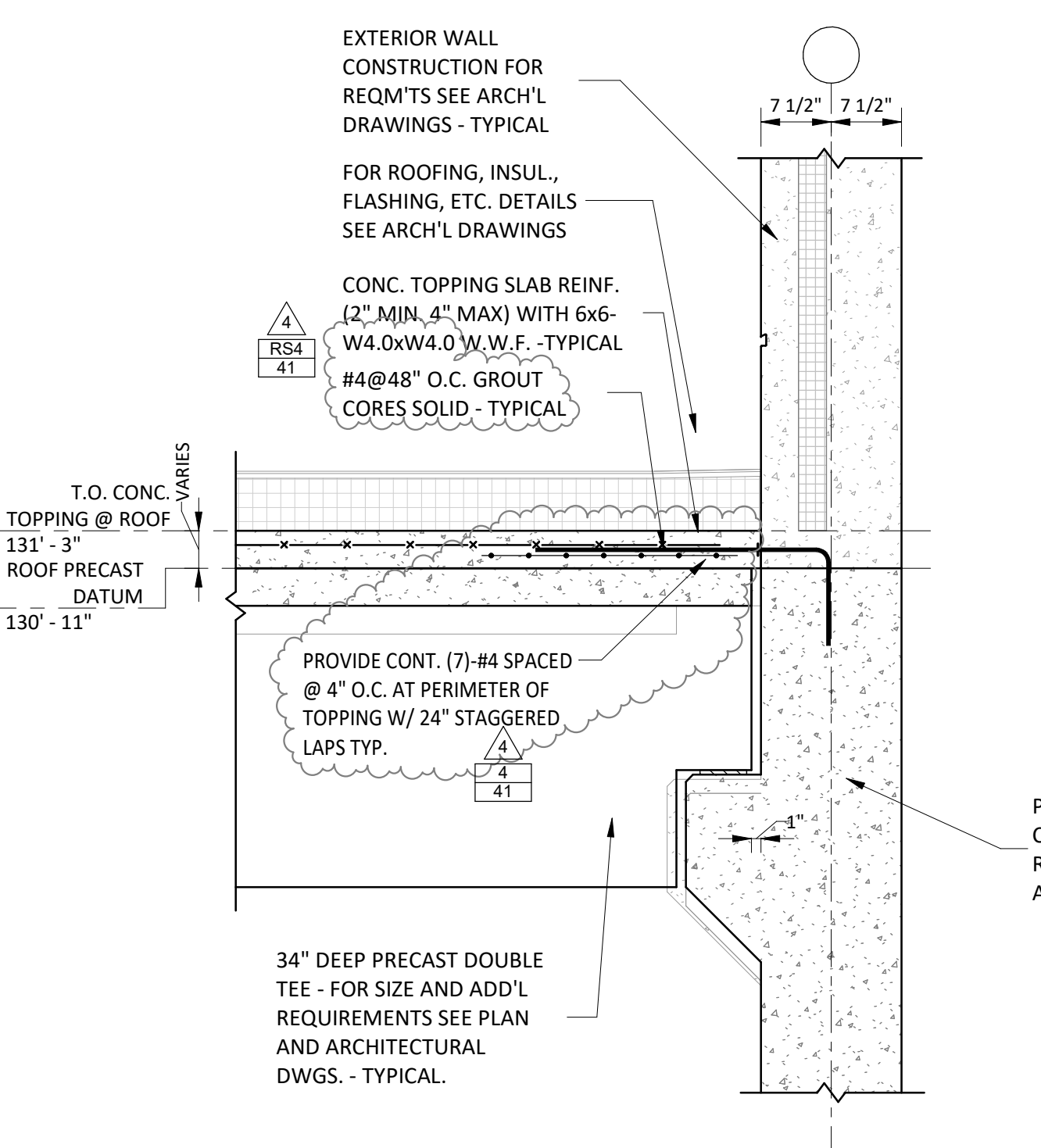
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S5-2-3



SECTION R5
SCALE: 3/4" = 1'-0"
S5-2-3



SECTION R9
SCALE: 3/4" = 1'-0"
S5-2-3



SECTION R8
SCALE: 3/4" = 1'-0"
S5-2-3

100% CONSTRUCTION DOCUMENTS

drawing		date		description	
mar	06/09/2019	ADDENDUM #4			

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing: **SZEWCAZAK ASSOCIATES**
300 Main Street
Avon, CT 06001

projec: **ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL**
600 Orange Avenue
Middletown, CT 06461

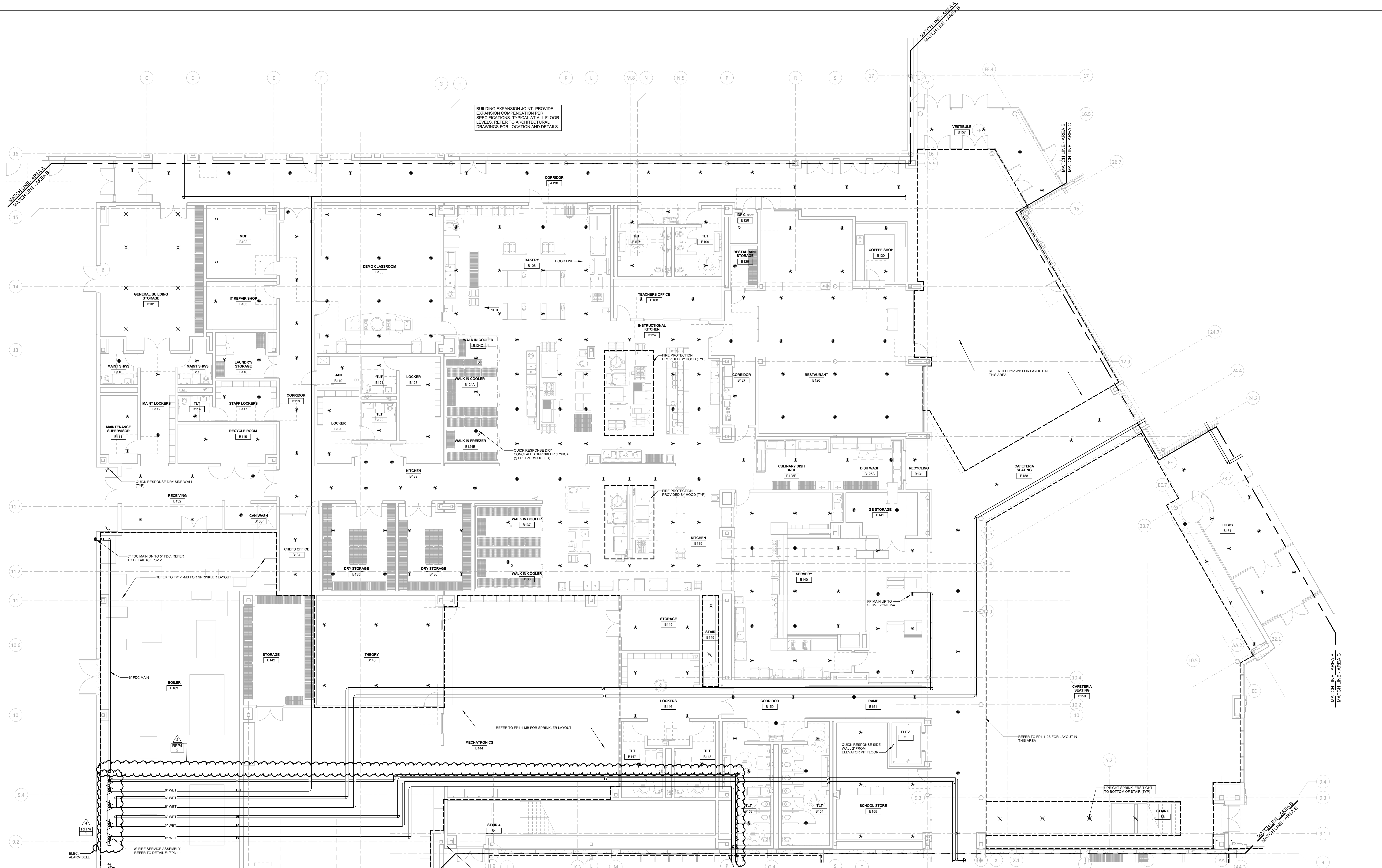
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BART-076 CM-R

OSCGR project
900-0113

dat: 05/24/2019
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drawn: [Signature]
approved: [Signature]
drawing: [Signature]

S5-2-3





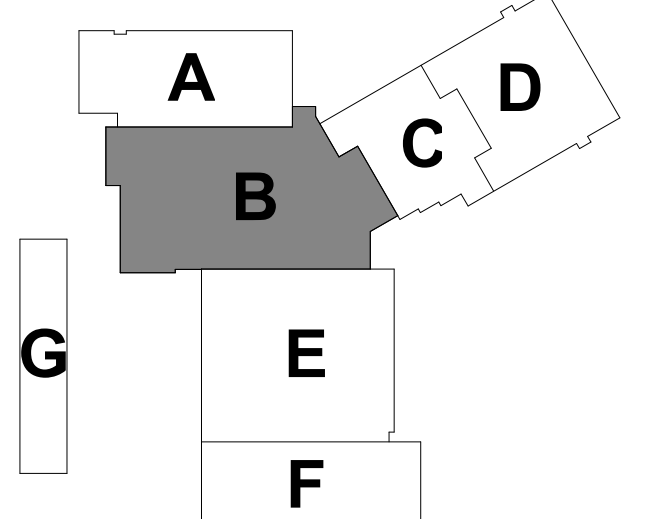
BUILDING EXPANSION JOINT. PROVIDE EXPANSION COMPENSATION PER SPECIFICATIONS. TYPICAL AT ALL FLOOR LEVELS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS.

BUILDING EXPANSION JOINT. PROVIDE EXPANSION COMPENSATION PER SPECIFICATIONS. TYPICAL AT ALL FLOOR LEVELS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS.

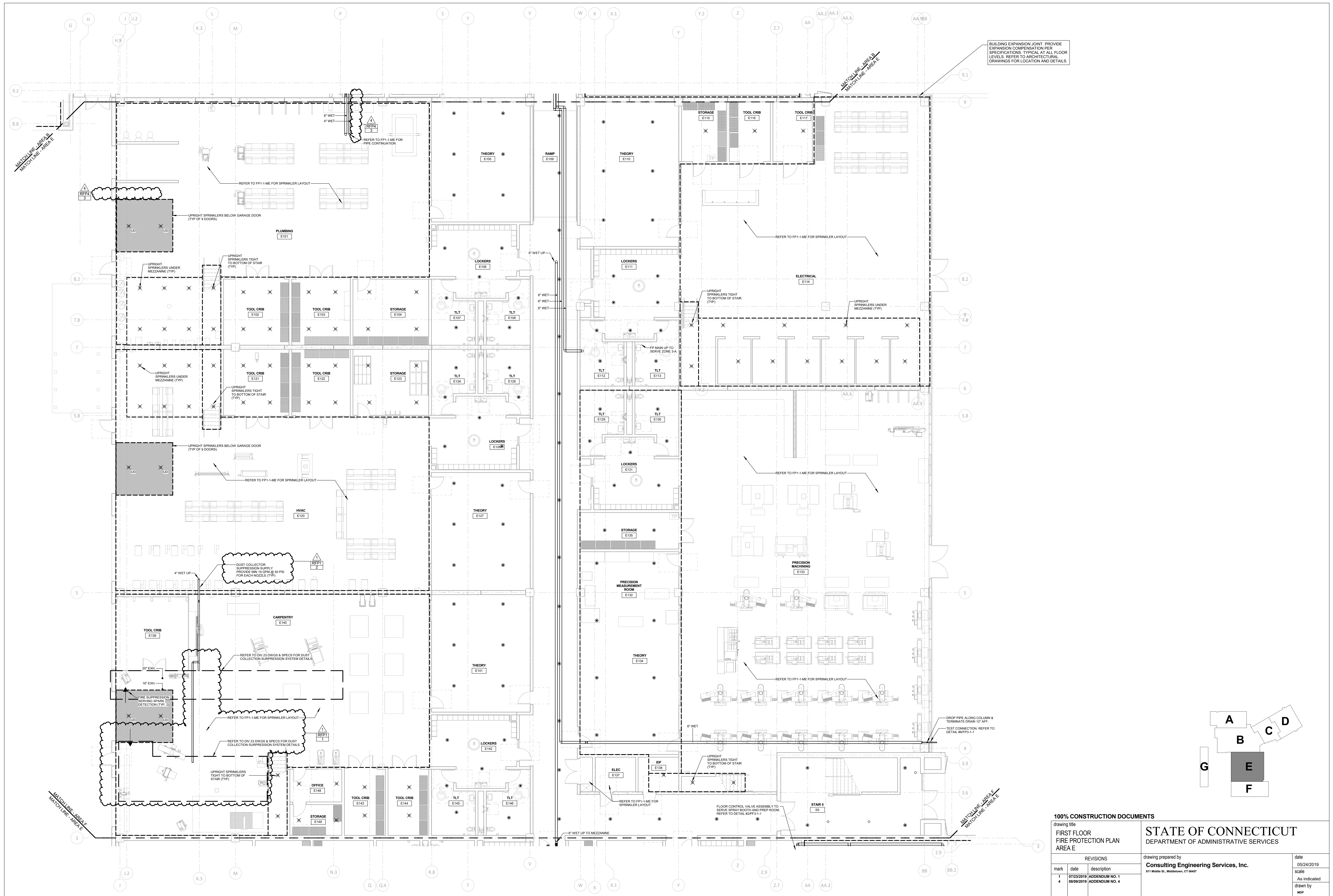
BUILDING EXPANSION JOINT. PROVIDE EXPANSION COMPENSATION PER SPECIFICATIONS. TYPICAL AT ALL FLOOR LEVELS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS.

1 FIRST FLOOR FIRE PROTECTION PLAN - AREA B
1/8" = 1'-0"

REFER TO FP3-1 FOR FIRE PROTECTION SYMBOLS, LEGENDS & NOTES.
REFER TO FP3-1 FOR FIRE PROTECTION DETAILS.
REFER TO FP3-1 FOR ZONING.

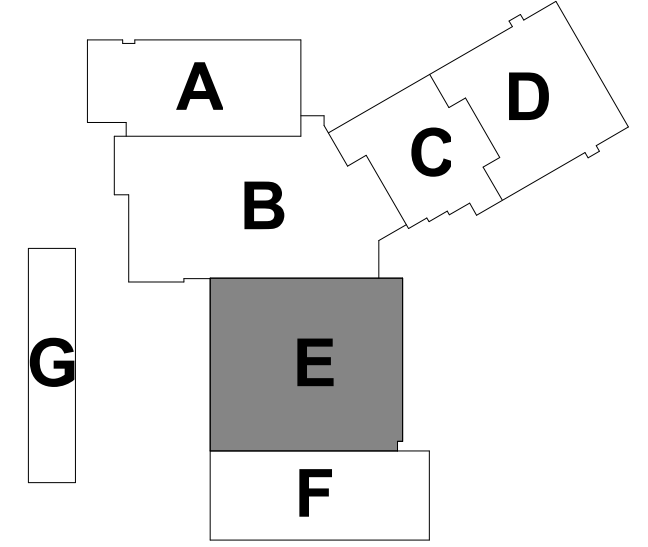


100% CONSTRUCTION DOCUMENTS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
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date 06/09/2019			date 05/24/2019	
description ADDENDUM NO. 4			scale As Indicated	
drawn by msp			approved by jvc	
approved by jvc			drawing no. FP1-1-B	
drawing no. FP1-1-B			project ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461	
CAD no.			DCS project no. B1-RT-076 CM-R	
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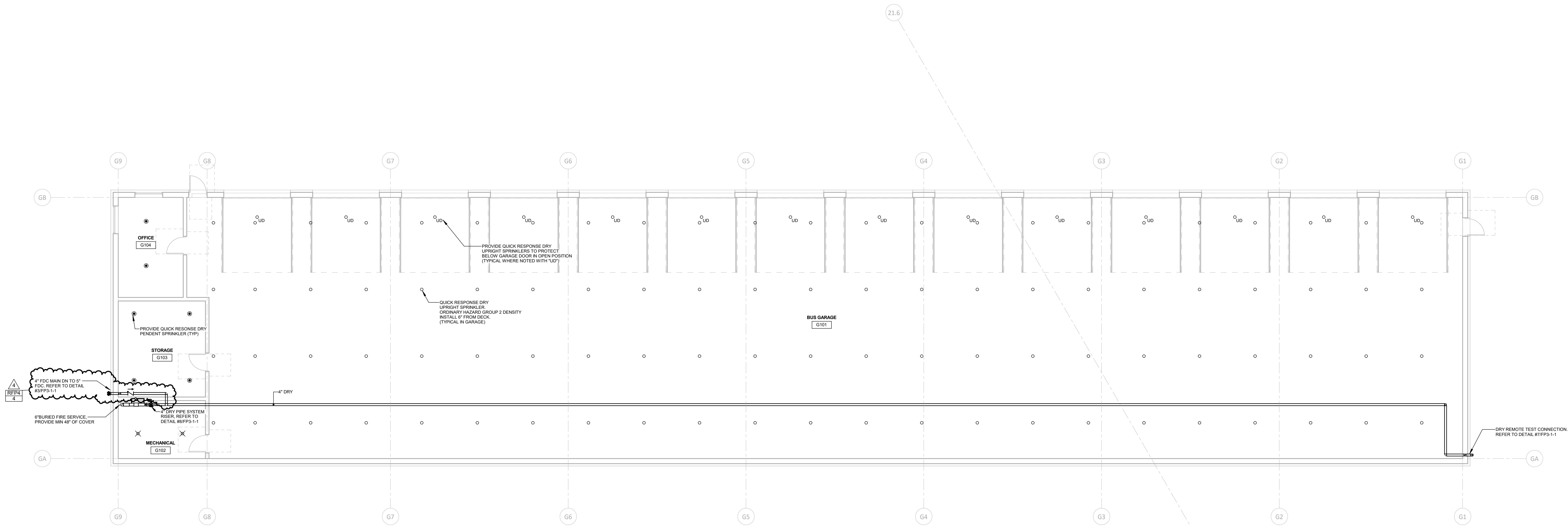


BUILDING EXPANSION JOINT. PROVIDE EXPANSION COMPENSATION PER SPECIFICATIONS TYPICAL AT ALL FLOOR LEVELS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS.

1 FIRST FLOOR FIRE PROTECTION PLAN - AREA E
 1/8" = 1'-0"
 REFER TO FP0-1 FOR FIRE PROTECTION SYMBOLS, LEGENDS & NOTES.
 REFER TO FP3-1 FOR FIRE PROTECTION DETAILS.
 REFER TO FP2-1 FOR ZONING

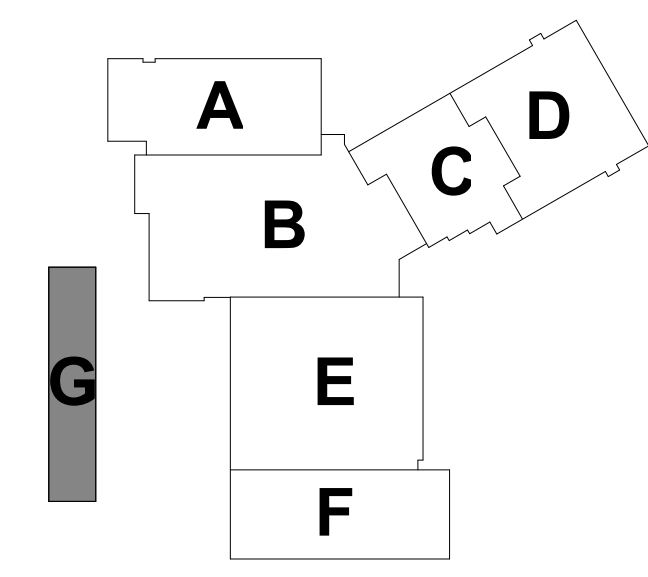


100% CONSTRUCTION DOCUMENTS			drawing title													
FIRST FLOOR FIRE PROTECTION PLAN AREA E			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES													
drawing prepared by Consulting Engineering Services, Inc. 511 Middle St., Middletown, CT 06457			date 05/24/2019													
project ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 400 Orange Avenue Middletown, CT 06461			scale As Indicated													
CAD no. 08-07-075 CM-R			drawn by msf													
OSCGR project no. 900-0013			approved by jvc													
			drawing no. FP1-1-E													
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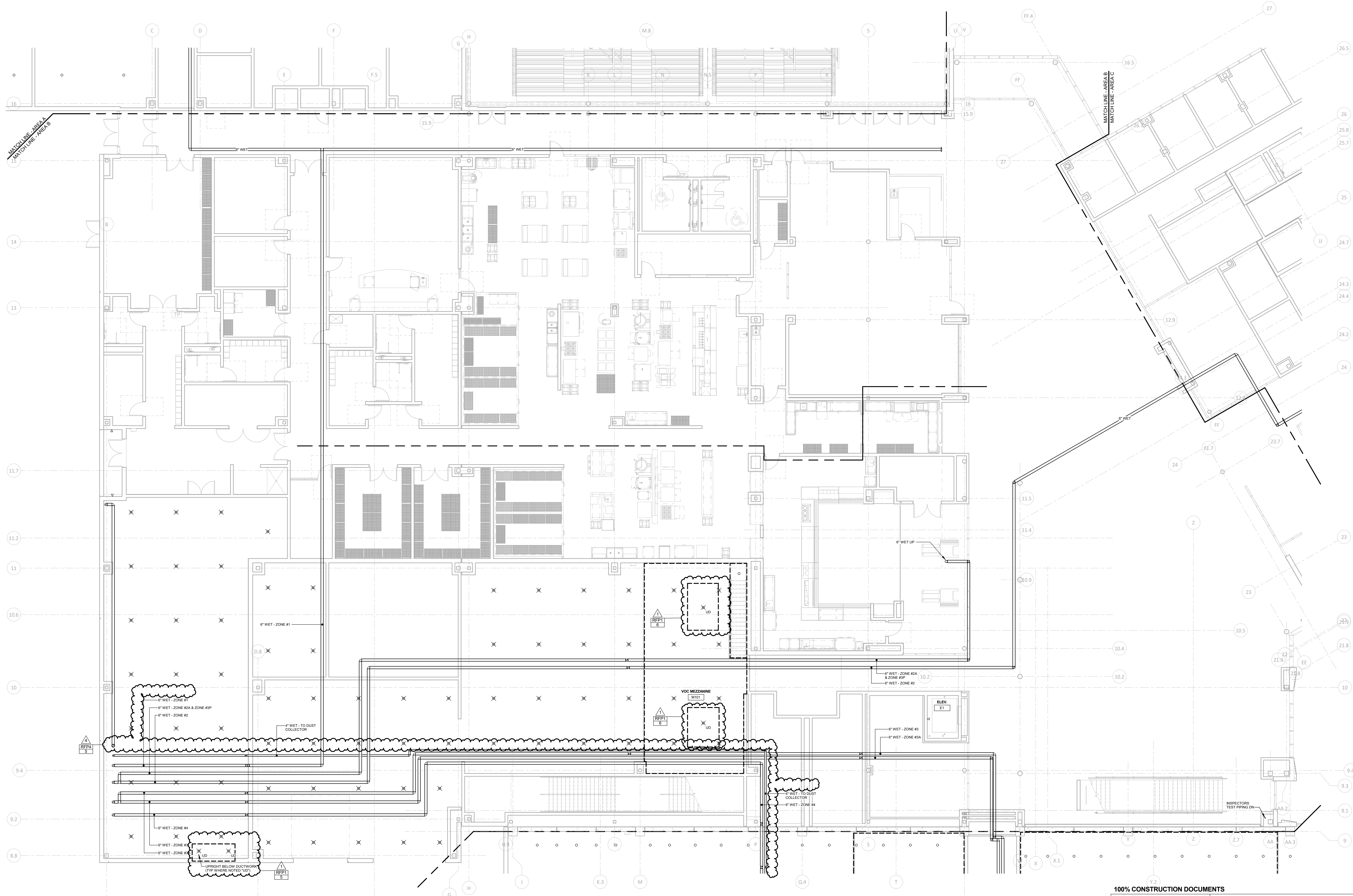


1 FIRST FLOOR FIRE PROTECTION PLAN - AREA G - ALTERNATE NO. 2
 1/8" = 1'-0"

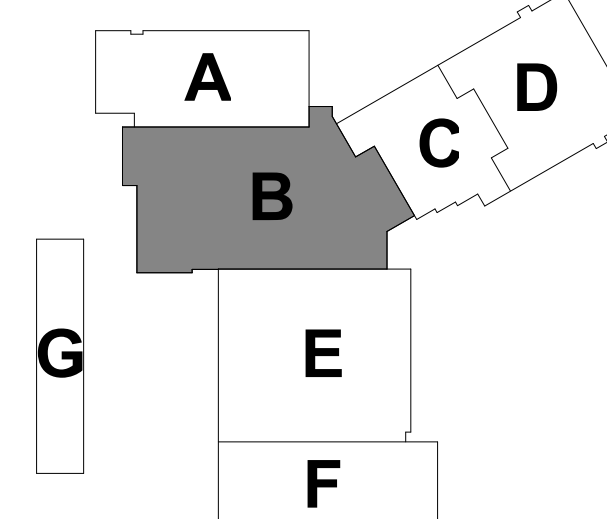
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 REFER TO FP3-1-1 FOR FIRE PROTECTION DETAILS.
 REFER TO FP2-1-1 FOR ZONING



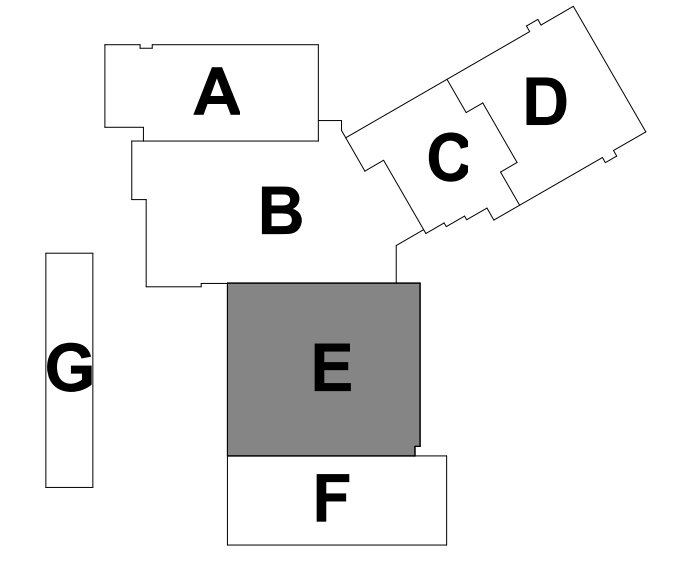
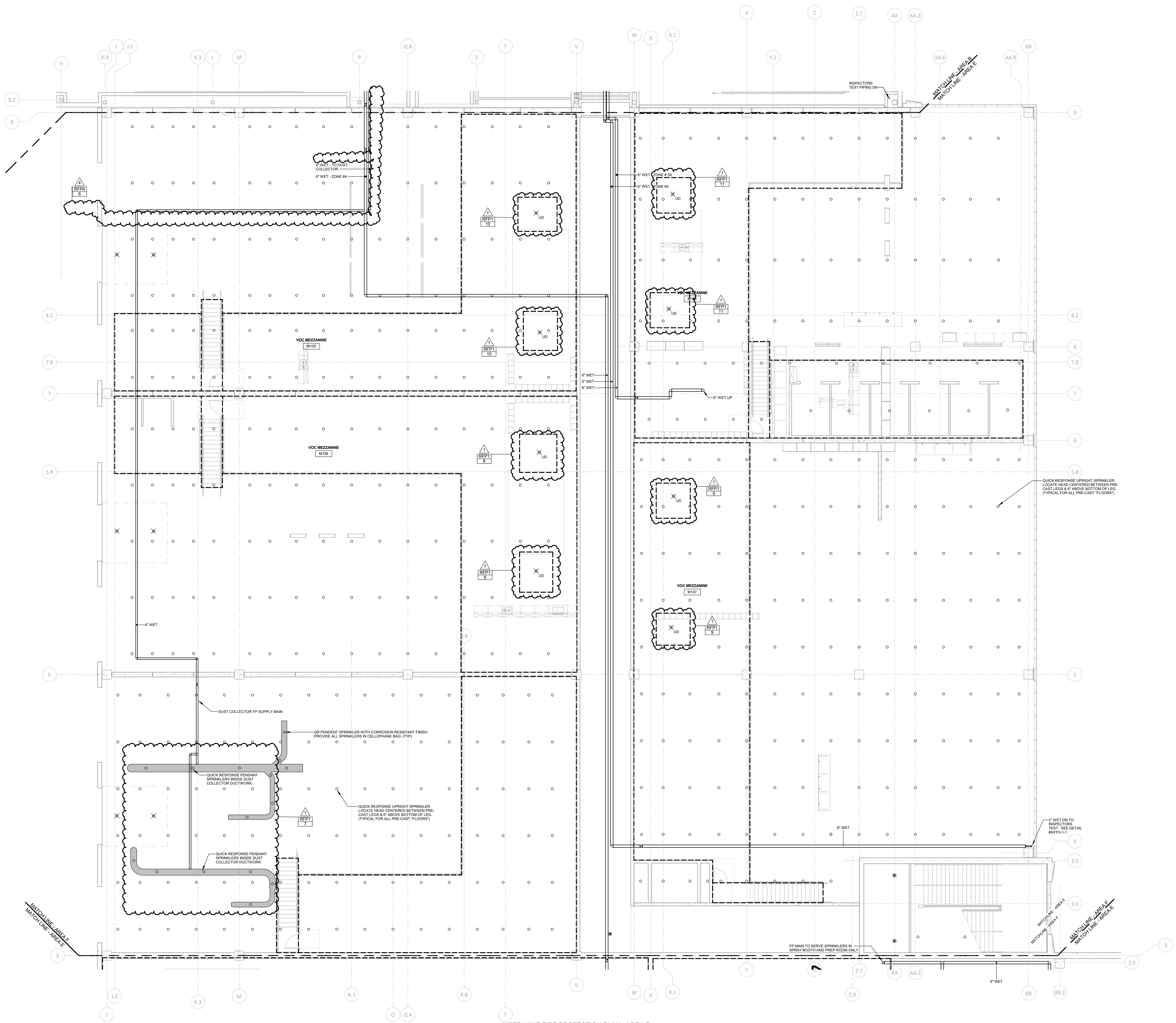
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drawing title FIRST FLOOR FIRE PROTECTION PLAN AREA G - ALTERNATE NO. 2			drawing prepared by Consulting Engineering Services, Inc. 511 Middle St., Middletown, CT 06457	
date 05/24/2019			date 05/24/2019	
scale As Indicated			scale As Indicated	
drawn by JSP			drawn by JSP	
approved by JVC			approved by JVC	
drawing no. FP1-1-1G			drawing no. FP1-1-1G	
project ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461			project no. 09-07-076 CM-R	
CAD no.			OS/GR project no. 900-0013	



1 MEZZANINE FIRE PROTECTION PLAN - AREA B
 1/8" = 1'-0"
 REFER TO FP2-1-1 FOR FIRE PROTECTION SYMBOLS, LEGENDS & NOTES.
 REFER TO FP3-1-1 FOR FIRE PROTECTION DETAILS.
 REFER TO FP2-1-1 FOR ZONING.



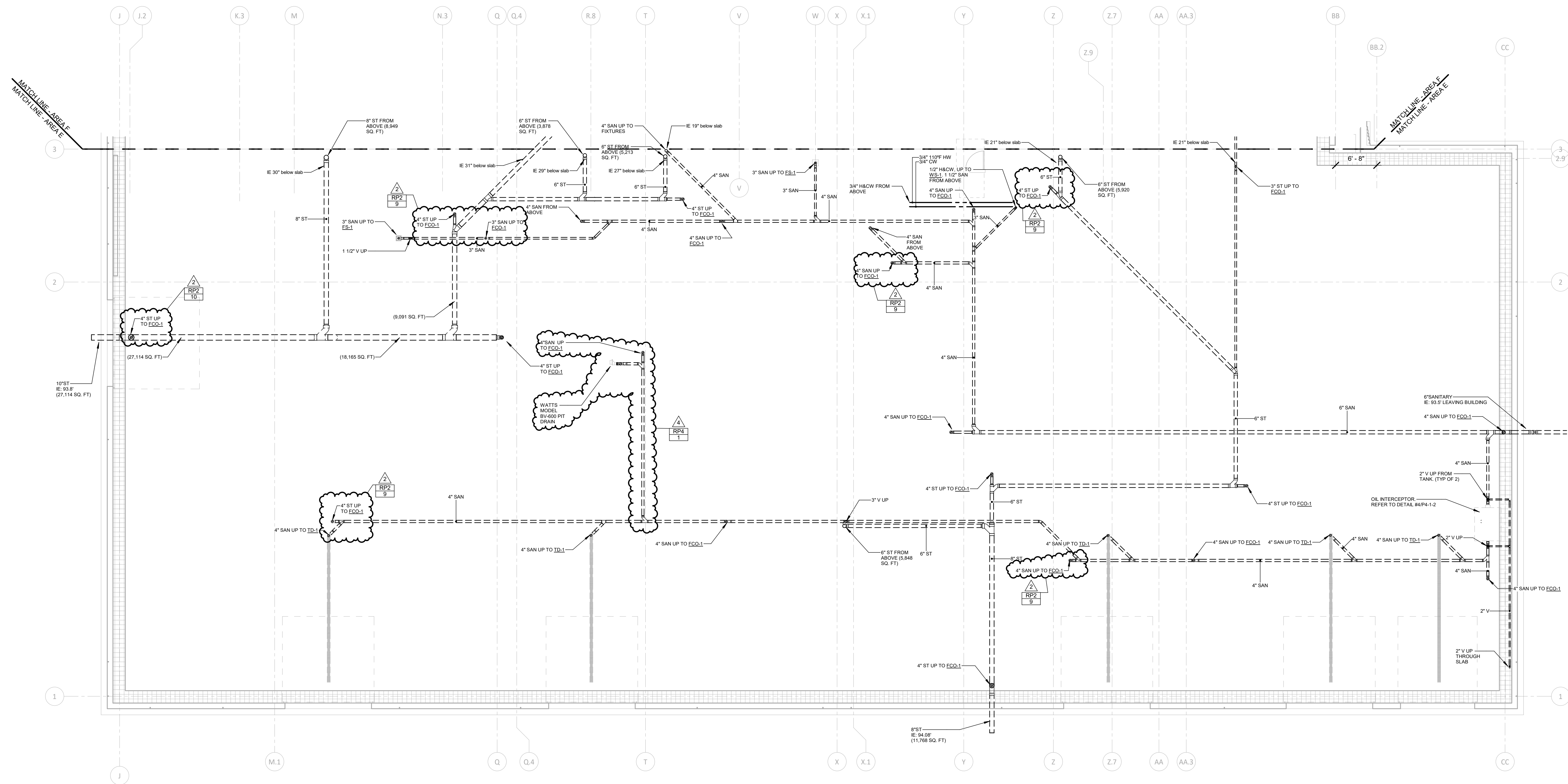
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drawing title MEZZANINE FIRE PROTECTION PLAN AREA B			drawing prepared by Consulting Engineering Services, Inc. 511 Middle St., Middletown, CT 06457	
drawing date 07/23/2019			date 05/24/2019	
drawing description ADDENDUM NO. 1			scale As Indicated	
drawing addendum ADDENDUM NO. 4			drawn by msp	
project ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461			approved by .jvc	
DCS project no. 81-07-075 CM-R			drawing no. FP1-1-MB	
OSGCR project no. 900-0013				



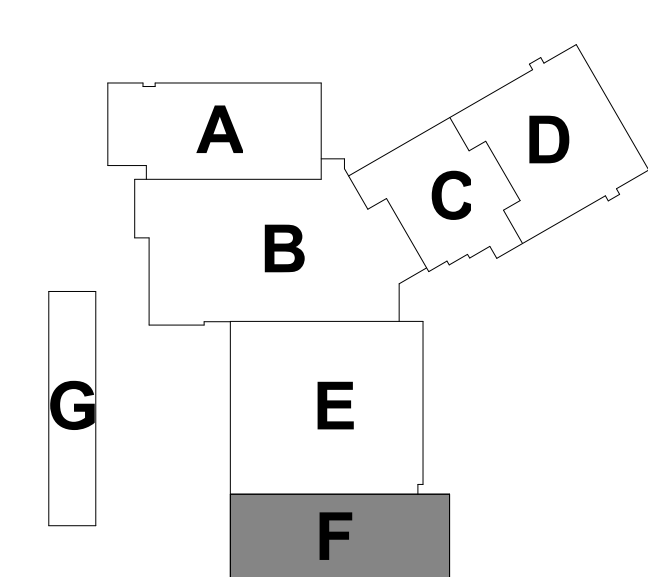
1 MEZZANINE FIRE PROTECTION PLAN - AREA E
1/8" = 1'-0"

REFER TO FPG-1 FOR FIRE PROTECTION SYMBOLS, LEGENDS & NOTES.
REFER TO FPG-1-1 FOR FIRE PROTECTION DETAILS.
REFER TO FPG-1-1 FOR ZONING.

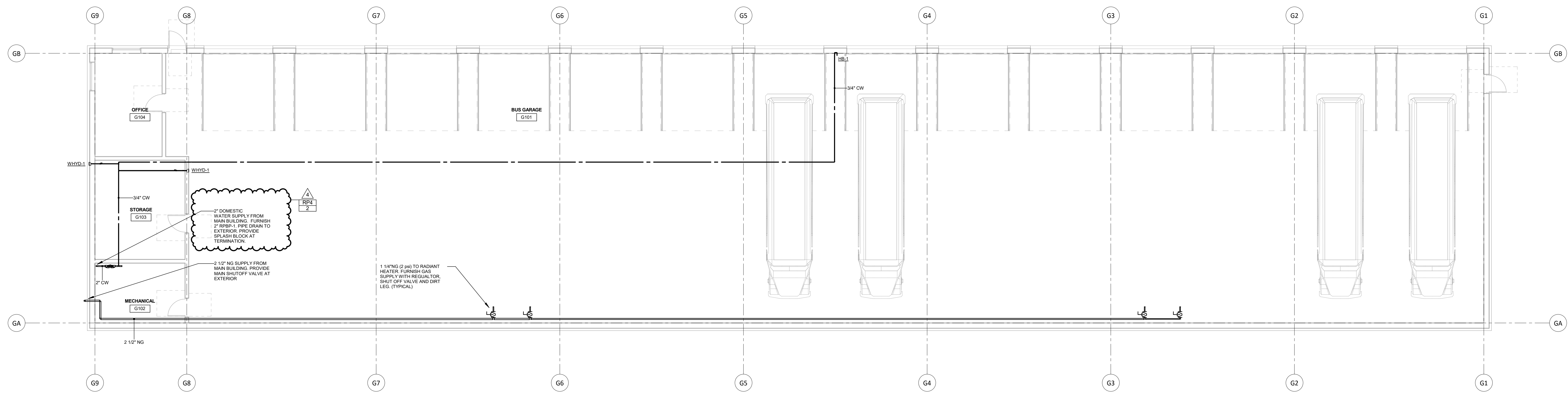
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drawing prepared by Consulting Engineering Services, Inc. 511 Middle St., Middletown, CT 06457			date 05/24/2019	
project ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461			scale As Indicated	
CAD no. 08-07-076 CM-R			drawing no. FP1-1-ME	
OSCRG project no. 900-0013			approved by _jvc_	
revisions			drawn by _mep_	
mark	date	description		
1	07/23/2019	ADDENDUM NO. 1		
4	08/09/2019	ADDENDUM NO. 4		



1 FIRST FLOOR PLUMBING BELOW SLAB - AREA F
 1/8" = 1'-0"
 FFE: 07'
 REFER TO DRAWING P3-1-1 FOR PLUMBING LEGENDS.
 REFER TO DRAWING P3-1-2 FOR SCHEDULES & FIXTURE CONNECTION SCHEDULE.
 REFER TO DRAWINGS P4-1-1, P4-2 & P4-3 FOR PLUMBING DETAILS.

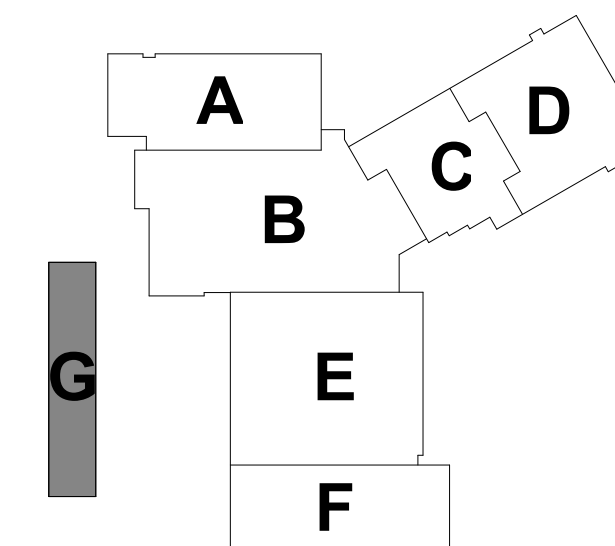


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drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
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REVISIONS		date	
mark	date	description	scale
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4	08/09/2019	ADDENDUM NO. 4	drawn by msp
project		approved by .jvc	
ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL		drawing no. P1-1-UF	
CAD no.	DCS project no.	OSGCR project no.	
	18-07-076 CM-R	900-0013	



1 FIRST FLOOR PLUMBING PLAN - AREA G - ALTERNATE NO. 2
 1/8" = 1'-0"

REFER TO DRAWING P3-1-1 FOR PLUMBING LEGENDS.
 REFER TO DRAWING P5-1-2 FOR SCHEDULES & FIXTURE CONNECTION SCHEDULE.
 REFER TO DRAWINGS P4-1-1, P4-1-2 & P4-1-3 FOR PLUMBING DETAILS.



100% CONSTRUCTION DOCUMENTS

drawing title FIRST FLOOR PLUMBING PLAN AREA G - ALTERNATE NO. 2		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES										
drawing prepared by Consulting Engineering Services, Inc. 511 Middle St., Middletown, CT 06457		date 05/24/2019										
project ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461		scale As Indicated										
CAD no. 18-RT-078 CM-R		drawing no. P1-1-1G										
DCS project no. 18-RT-078 CM-R		OSGCR project no. 990-0013										
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REVISIONS												
mark	date	description										
4	06/09/2019	ADDENDUM NO. 4										
approved by JVC												

AIR COMPRESSOR SCHEDULE										
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	SERVING	CAPACITY CFM AT PSIG	MAX PRESSURE PSIG	WEIGHT	CAPACITY GALLONS	ELEC DATA HP-VOLTS-PH	REMARKS
AC-1	INGERSOLL RAND #R35N	DUPLX	COMPRESSOR ROOM (AREA F)	AUTO-MOTIVE SHOPS	82 CFM @ 125 PSI	-	1720 LBS	120 HORIZONTAL	40/480V/3PH	#1,2,3,4,6
AC-2	INGERSOLL RAND #R4N	DUPLX	MECH ROOM	REMAINDER OF BUILDING	130 CFM @ 100 PSI	-	1720 LBS	120 HORIZONTAL	60/480V/3PH	#1,2,3,4,6

REMARKS:
1. ELECTRIC DRIVE
2. COMPLIANT TO OSHA AND UL STANDARDS
3. PROVIDE AIR DRYER
4. PROVIDE CONDENSATE SEPARATOR CS-1, CS-2 AND CS-3
5. PROVIDE PREMIUM EFFICIENCY MOTOR AND VFD

AIR DRYER SCHEDULE										
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	SERVING	CAPACITY CFM AT PSIG	MAX PRESSURE PSIG	WEIGHT	FLA	ELEC DATA KW-VOLTS-PH	REMARKS
ACD-1	INGERSOLL RAND #D1NCC	-	MECH ROOM	AC-1	100 CFM @ 100 PSI	-	-	-	0.96/120V/1PH	#1,2
ACD-2	INGERSOLL RAND #D25NC	-	MECH ROOM	AC-2	150 CFM @ 100 PSI	-	-	-	1.29/120V/1PH	#1,2

REMARKS:
1. ELECTRIC DRIVE WITH POWER CORD
2. COMPLIANT TO OSHA AND UL STANDARDS

PLUMBING FIXTURE CONNECTION SCHEDULE							
FIXTURE TYPE	WASTE CONNECTION	VENT CONNECTION	COLD WATER CONNECTION	HOT WATER CONNECTION	TEPID WATER	HWR CONNECTION	
DRINKING FOUNTAIN	1 1/2"	1 1/2"	1/2"	-	-	-	-
DRINKING FOUNTAIN (2 BOWL)	1 1/2" (2)	1 1/2" (2)	1/2" (2)	-	-	-	-
EMERGENCY SHOWER	-	-	1"	1"	1 1/4"	-	-
JANITORS MOP BASIN	2"	1 1/2"	1/2"	1/2"	-	1/2"	-
LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	-	1/2"	-
SINK	1 1/2"	1 1/2"	1/2"	1/2"	-	1/2"	-
URINAL	2"	1 1/2"	3/4"	-	-	-	-
WATER CLOSET (FLUSH VALVE)	4"	2"	1 1/2"	-	-	-	-
HOSE BIB (CW ONLY)	-	-	1/2"	-	-	-	-
HOSE BIB (CW & HW)	-	-	1/2"	1/2"	-	-	-

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR ALL PLUMBING FIXTURE MOUNTING HEIGHTS.
2. ALL PIPE TRAPS AT SINKS AND LAVATORIES SHALL BE CHROME PLATED BRASS.
3. FOR FIXTURES SERVED BY HWR, PROVIDE BALANCE VALVE WITHIN 5' OF HW SUPPLY CONNECTION TO FIXTURE. BALANCE TO 0.5 GPM.

WATER HAMMER ARRESTOR SCHEDULE							
SYMBOL	MANUFACTURER/ MODEL NUMBER	SIZE N.P.T.	OVERALL LENGTH	PRELOAD PSIG (AIR)	FIXTURE UNITS	REMARKS	
WHA-1	PPP MODEL# SC-500	1/2"	5"	60	1-11	1,2,3,4	
WHA-2	PPP MODEL# SC-750	3/4"	6"	60	12-32	1,2,3,4	
WHA-3	PPP MODEL# SC-1000	1"	6 3/4"	60	33-60	1,2,3,4	
WHA-4	PPP MODEL# SC-1250	1 1/4"	8 3/4"	60	61-113	1,2,3,4	
WHA-5	PPP MODEL# SC-1500	1 1/2"	10 1/4"	60	114-154	1,2,3,4	
WHA-6	PPP MODEL# SC-2000	2"	10 7/8"	60	155-330	1,2,3,4	

NOTES:
1. LOCATE WATER HAMMER ARRESTORS AS CLOSE AS POSSIBLE TO SHOCK SOURCE.
2. INSTALL PER ALL MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.
3. LOCATE IN AN ACCESSIBLE LOCATION. PROVIDE ACCESS AS REQUIRED.
4. FIXTURE UNITS SHALL BE BASED ON THE LATEST ADOPTED VERSION OF THE INTERNATIONAL PLUMBING CODE.

PLUMBING SPECIALTIES SCHEDULE											
SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	COMPONENTS AND ACCESSORIES	MOUNTING HEIGHT	REMARKS	SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	COMPONENTS AND ACCESSORIES	MOUNTING HEIGHT	REMARKS
CO-1	JR SMITH MODEL # 452S-U	CLEANOUT: CAST IRON TEE WITH TAPERED BRONZE PLUG.	VANDAL PROOF SCREWS	-	#6.10	INT-2	JR SMITH 8625	Oil INTERCEPTOR WITH GRAY DUCO COATING INSIDE AND OUTSIDE. 25 GPM. FLOW CONTROL FITTING.	ANCHOR FLANGE, NO-HUB ADAPTER	-	-
CO-2	ORION MODEL # COA/PC	ACID WASTE CLEANOUT: PIPE/PVDG WITH TAPER THREAD-PLUG.	-	-	#6.10	RD-1	WATTS MODEL #RD-100-NB-D-F-K	ROOF DRAIN: EPOXY COATED, CAST IRON BODY WITH CAST IRON DOME, NO HUB. OUTLET, OUTLET SIZE SHALL BE INDICATED ON DRAWINGS.	UNDER DECK CLAMP, VANDAL PROOF DOME, SNIP RECEIVER, EXTENSION SLEEVE FOR ROOF INSULATION.	-	#6
DN-1	WATTS MODEL # RD-940	DOWNSPOUT NOZZLE. TYPE 304 STAINLESS STEEL, DOWNSPOUT COATED WITH EPOXY COATED, CAST IRON BODY WITH CAST IRON DOME, NO HUB. OUTLET, OUTLET SIZE SHALL BE INDICATED WITH ARCHITECT	-	-	#6	RD-2	WATTS MODEL #RD-700-CT-B-D-F-L	ROOF DRAIN: COMBINATION PRIMARY SECONDARY DRAINS. COMPLETELY CAST IRON BODY WITH CAST IRON DOME, NO HUB. OUTLET, OUTLET SIZE SHALL BE INDICATED ON DRAWINGS.	UNDER DECK CLAMP, VANDAL PROOF DOME, SNIP RECEIVER, EXTENSION SLEEVE FOR ROOF INSULATION.	-	#6
DNT-1	ZURN MODEL # Z9A-NT-20029A-NT-200	DILUTION/ACID NEUTRALIZATION TANK: POLYETHYLENE TANK, 200 GALLONS, BOLTED COVER, 4" INLET/OUTLET, 3" VENT, 30" DIAMETER, 48" HEIGHT.	PROVIDE EXTRA 1.700 LBS OF LIME FOR OWNER'S FUTURE USE	-	-	RD-2	WATTS MODEL #909-QT-S 3/4" TO 2"	REDUCED PRESSURE BACKFLOW PREVENTER: BRASS OR CAST BODY WITH CORROSION RESISTANT INTERNAL PARTS AND SST SPRINGS.	SHUT OFF VALVES UP TO 2" BRONZE BODY BALL VALVES, OVER 2" - CS&Y GATE VALVE.	MAXIMUM OF 5' ABOVE FINISHED FLOOR.	#5.6
EL-1	AMTROL MODEL # ST-120V-C	EXPANSION TANK: STEEL TANK, 66 GALLON POLYPROPYLENE LINER ASME PRECHARGED.	-	-	#4	TD-1	JR SMITH # 9940	TRENCH DRAIN: PRE-SLOPED, 6" WIDE ZIP TRENCH, ADA COMPLIANT, 1/2" REINFORCED STAINLESS STEEL SLATED GRATE, LOAD CLASS "E" RATED ASSEMBLY.	-	-	-
ECO-1	JR SMITH MODEL # 402S-PB-U	FLOOR CLEANOUT: CAST IRON BODY, ROUND ADJUSTABLE POLISHED BRONZE TOP, FLANGE GASKET INSIDE, CALK OUTSIDE VANDAL PROOF & BRONZE PLUG.	FLASHING CLAMP FOR CARPETTED FLOORS	-	#6.10, 11	TP-1	PRECISION PLUMBING MODEL #PTS-4	TRAP PRIMER: ELECTRIC PRIMING MANIFOLD, VACUUM BREAKER, 1/2" INLET AND OUTLET SERVES 4-12 DRAINS. SOLENOID VALVE 120V, 8 WATTS, 89RZ.	FURNISH MODEL REQUIRED FOR THE NUMBER OF FLOOR DRAINS SHOWN ON THE DRAWINGS.	-	#2.4
ECO-2	ORION MODEL # COA/PC	FLOOR CLEANOUT: CAST IRON BODY, ROUND ADJUSTABLE CLEANOUT: PPEPVDG WITH TAPER THREAD-PLUG.	-	-	#6.10, 11	TV-1	POWERS INTELLISTATION MODEL #LFIS200	THERMOSTATIC MIXING VALVE: THERMOSTATIC HI-LOW WATER CONTROLLER, TEMPERATURE RANGE: 90°F-160°F, 5 PSIG PRESSURE DROP AT 96 GPM.	PRE-PIPED ASSEMBLY INCLUDING PRESSURE/TEMP GAUGES, BYPASS REGULATION PUMP, BALANCE VALVES, ASSEMBLY MOUNTED ON UNISTRUT.	-	#4
ELD-1	JR SMITH MODEL # 2010C-U-P050	FLOOR DRAIN: CAST IRON BODY, ROUND ADJUSTABLE NICKEL BRONZE STRAINER, FLASHING COLLAR, TRAP PRIMER CONNECTIONS, AND SEDIMENT BUCKET.	FURNISH WITH VANDAL PROOF GRATE, TRAP PRIMER CONNECTION	-	#6.9, 13	TV-2	POWERS INTELLISTATION MODEL #LFIS150	THERMOSTATIC MIXING VALVE: THERMOSTATIC WATER CONTROLLER, TEMPERATURE RANGE: 0°F-140°F, 5 PSIG PRESSURE DROP AT 60 GPM.	PRE-PIPED ASSEMBLY INCLUDING PRESSURE/TEMP GAUGES, BYPASS REGULATION PUMP, BALANCE VALVES, ASSEMBLY MOUNTED ON UNISTRUT.	-	#4
ELD-2	JR SMITH MODEL # 2250-U	FLOOR DRAIN: CAST IRON BODY, ROUND ADJUSTABLE HEAVY DUTY CAST IRON BARGE, FLASHING COLLAR, TRAP PRIMER CONNECTION, AND SEDIMENT BUCKET.	FURNISH WITH VANDAL PROOF GRATE, TRAP PRIMER CONNECTION	-	#6.9, 13	TV-3	BRADLEY MODEL # S19-2200	THERMOSTATIC MIXING VALVE: THERMOSTATIC HI-LOW WATER CONTROLLER, TEMPERATURE RANGE: 65°F-95°F, 5 PSIG PRESSURE DROP AT 22 GPM SET TEMPERATURE AT 70°F.	BRONZE BODY POLISHED CHROME WITH INLET CHECK VALVES, TEMPERATURE GAUGE RECESSED MOUNTING BOX WITH LOCK.	-	#4
ELD-3	ZURN MODEL # Z9A-FD2-428A-FD2-4	FLOOR DRAIN: POLYPROPYLENE BODY WITH BOTTOM OUTLET, POLYPROPYLENE INVERTIBLE MEMBRANE CLAMP W/ ADJUSTABLE STAINLESS STEEL HEAD AND GRATE.	FURNISH WITH VANDAL PROOF GRATE, TRAP PRIMER CONNECTION	-	#6.9, 13	W-1	SYMONS MODEL # W-602	WASHER BOX: SUPPLY & DRAIN FITTING W/ LEVER LAUNCH, 2" MATE WITH PRECISION PLUMBING MODEL # SC-500 THROUGH #SC-1500	3/4" THREADED HOSE CONNECTIONS. FURNISH WITH WHA-1 BRASS PISTON AND 3/4" THREADED ENDS.	-	#4
ES-1	JR SMITH MODEL #3100C-13	FLOOR SINK: 6" DEEP RECEPTOR, NICKEL BRONZE RIM, CAST IRON DOME STRAINER, AND FLASHING CLAMP.	# 1 1/2" SQUARE NICKEL BRONZE TOP WITH 3/4" VANDAL PROOF GRATE. PROVIDE SURE SEAL TRAP SEAL.	-	#6.9, 13	WCO-1	JR SMITH MODEL # 4402C-U	WALL CLEANOUT: DUCO CAST IRON, SPIGOT FERRULE CAST BRONZE THREAD PLUG, STAINLESS STEEL ROUND COVER AND SCREW.	VANDAL PROOF SCREWS.	-	#6.10, 12
GT-1	T & S MODEL # BL-4200-01	GAS TURBET: ADA COMPLIANT, 3 5/8" DIAMETER BASE WITH BALL VALVE HOSE COOK AND SERATED TIP, PLASTIC GASKET.	FURNISH WITH SNAP-IN INDEX, AIR, VAC, OR GAS AS APPLICABLE.	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, QUANTITIES AND MOUNTING HEIGHTS.	#4	WHA-1	PRECISION PLUMBING MODEL # SC-500 THROUGH # SC-1500	WATER HAMMER ARRESTOR: BARREL FABRICATED 0.4" TYPE "K" HARD DRAIN COPPER, WITH "C" RING SEALS.	BRASS PISTON AND THREADED ADAPTER	-	#6
HB-1	WOODFORD MODEL # B26	HOSE BIB: BACKFLOW PROTECTED BRONZE BODY, CHROME PLATED HANDWHEEL.	3/4" THREADED HOSE CONNECTION.	18" ABOVE FLOOR	#4	WHYD-1	WOODFORD MODEL # B67	WALL HYDRANT: VACUUM BREAKER, FREEZE PROOF, FLUSH MOUNTING BOX WITH HINGED COVER, CHROME PLATED.	3/4" THREADED HOSE CONNECTION.	24" ABOVE GRADE.	#3.4
INT-1	JR SMITH MODEL # 8730-T	SEDIMENT INTERCEPTOR: SUSPENDED TYPE, CAST IRON BODY, ALUMINUM STRAINER AND REMOVABLE STAINLESS STEEL SCREENS, 1/4" DRAIN PLUG.	-	BELOW FIXTURE	#7	WHYD-2	WOODFORD MODEL # B75	WALL HYDRANT: VACUUM BREAKER, FLUSH MOUNTING BOX WITH HINGED COVER, CHROME PLATED.	3/4" THREADED HOSE CONNECTION.	24" ABOVE GRADE.	#3.4

REMARKS:
1. FIXTURES AND TRIM AS NOTED SHALL BE "ADA APPROVED" AND SHALL BE MOUNTED TO ADA AND ANSI A117 REQUIREMENTS.
2. THE TRAP PRIMER SHALL BE INSTALLED A MINIMUM OF 1' FOOT ABOVE FINISHED FLOOR FOR EVERY 20 FEET OF PRIMER LINE.
3. PROVIDE EACH HYDRANT WITH A LOOSE KEY. CONTRACTOR SHALL VERIFY WALL THICKNESS.
4. PROVIDE ISOLATION VALVES AT THE SUPPLY PIPE CONNECTIONS.
5. PROVIDE AN AIR GAP FITTING ON THE DRAIN LINE, MOUNT AT A SUFFICIENT HEIGHT TO ALLOW PROPER DRAINAGE.
6. REFER TO FLOOR PLANS FOR SIZES.

7. MAINTAIN MINIMUM OF 9 1/2 INCHES CLEAR ABOVE INTERCEPTOR FOR STRAINER REMOVAL.
8. INSTALL SIZED PER LOAD (WSPU) RECOMMENDED BY PDI & MANUFACTURER.
9. FURNISH WITH TRAP PRIMER CONNECTION AND TRAP PRIMER T-P.
10. PROVIDE CLEAN OUT AT ALL HORIZONTAL TURNS GREATER THAN 45 DEGREES FOR ALL STORM AND SANITARY PIPING.
11. PROVIDE FLOOR CLEAN OUT FOR ALL BURIED STORM AND SANITARY PIPING, NOT MORE THAN 100' APART. PROVIDE FCO AT ALL STORM & SANITARY LATERALS BEFORE EXISTING FOUNDATION.
12. PROVIDE W/O AT BASE OF ALL SANITARY AND STORM STACKS. FURNISH WITH ACCESS DOOR OR COVER.
13. DRAIN GRATES SHALL BE 1/2" MAXIMUM SPACING.

PUMP SCHEDULE							
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	SYSTEM SERVED	CAPACITY	FLUID TEMP (°F)	REMARKS
HWBP-1	TACO 1616 CIRCULATOR	IL	BOILER ROOM	DOMESTIC 110°F HW	-	110°F	3/4-200V-50 ALL
HWBP-2	TACO 1615 CIRCULATOR	IL	BOILER ROOM	DOMESTIC 140°F HW	-	140°F	3/4-200V-50 ALL

NOTES:
IL = IN-LINE PUMP
SP = SUBMERSIBLE PUMP
REMARKS:
1. PUMP SHALL BE BRONZE FOR DOMESTIC WATER USE.
2. PROVIDE WITH THERMOSTATIC MIXING VALVE (TMV)

GAS FIRED WATER HEATER SCHEDULE									
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	FUEL TYPE	BTH INPUT	STORAGE CAP. (GAL)	RECOVERY IN GPH AT 100°F RISE	ELEC DATA VOLT-PH-AMP	REMARKS
WH-1	PVI MODEL # 100 L 130-GCM	S	BOILER ROOM	GAS	999,000	130	1157	120V-16-11	NOTE #1,2,3
WH-2	PVI MODEL # 100 L 130-GCM	S	BOILER ROOM	GAS	999,000	130	1157	120V-16-11	NOTE #1,2,3

NOTES:
S= STORAGE
1. WATER HEATER SHALL BE PROVIDED WITH A MINIMUM OF 4 1/2" - 14"W.C. GAS PRESSURE.
2. COORDINATE WATER HEATER OPERATION WITH COMBUSTION AIR LOUVER. LOUVER SHALL OPEN WHEN WATER HEATER BURNER IS ON AND CLOSE WHEN BURNER IS OFF.
3. WATER HEATER SHALL BE PROVIDED WITH ELECTRONIC IGNITION.

PLUMBING FIXTURE SCHEDULE										
SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION OF FIXTURE	TRIM AND ACCESSORIES	REMARKS	SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION OF FIXTURE	TRIM AND ACCESSORIES	REMARKS	
ES-1	FURNISHED UNDER DIVISION 11 CONTRACTOR	SCIENCE LABORATORY SINK: STANDARD	PLUMBING CONTRACTOR SHALL INSTALL FITTINGS AND DEVICES AS SPECIFIED ON EQUIPMENT DRAWINGS.	#2,3,4,10	L-3	BRADLEY MODEL #LVRD-3	LAVATORY: ACCESSIBLE THREE STATIONS 30" CENTER, QUARTZ SURFACE, VANDAL RESISTANT	FURNISH WITH IR-DGC ELECTRONIC FAUCET W/ 4 BATTERIES, STAINLESS STEEL ACCESS PANEL.	#3,4,7	
ES-2	FURNISHED UNDER DIVISION 11 CONTRACTOR	SCIENCE LABORATORY SINK: STANDARD	PLUMBING CONTRACTOR SHALL INSTALL FITTINGS AND DEVICES AS SPECIFIED ON EQUIPMENT DRAWINGS.	#2,4,10	S-1	ELKAY "LUSTERONE" MODEL # ELVHAD101650	SINK: ACCESSIBLE UNDERMOUNT, 18 GAUGE, TYPE 304 SST, 6" DEEP, REAR OFFSET DRAIN LOCATION.	T&S MODEL # B-2741 SINGLE 6" LEVER GOOSENECK FAUCET WITH 1.0 GPM AERATOR, CHROME GRID DRAIN ASSEMBLY # 4-6.	#2,3,4,6,11	
ENL-1	BRADLEY MODEL # S1944022AC	EYEWASH: WALL MOUNTED DUAL PURPOSE STATIONARY OR REMOVABLE. EYE/FACE WASH 12" HOSE, DUAL SPRAY HEADS, FLOWS 3.9-5.9 GPM AT 30-90 PSI.	1/2" CHROME PLATED BRASS STAY OPEN BALL VALVE, STAINLESS STEEL FLAG HANDLE, FURNISH WITH BRADLEY EPX-219-200 THERMOSTATIC MIXING VALVE (1/2" H&CW SUPPLY)	#3,4,11	S-2	FURNISHED UNDER DIVISION 11 CONTRACTOR	SCIENCE LABORATORY SINK: STANDARD	PLUMBING CONTRACTOR SHALL INSTALL FITTINGS AND DEVICES AS SPECIFIED ON EQUIPMENT DRAWINGS.	#2,3,4,10	
EW-1	ELKAY MODEL # LVRCTLRWS	ELECTRIC WATER COOLER: ACCESSIBLE, DOUBLE BOWL, VANDAL-RESISTANT, SURFACE MOUNTED, 120V-10, 14 GAUGE SST, FRONT PUSH BARS, 5 LB. FORCE BUBBLER GUARD, 1.1 GPM BOTTLE FILLER.	FURNISH WITH HANGER BRACKET AND DANE APRON, REPLACEMENT FILTERS BRADLEY EPX-219-200 (ONE 12 PACK PER FIXTURE)	#3,4	SH-1	BUILT UP SHOWER REFER TO ARCHITECTURAL DRAWINGS.	SHOWER: ACCESSIBLE, MUD SET TILE FLOOR, REFER TO ARCHITECTURAL DRAWINGS.	SYMONS "SAFETYMAX" MODEL # C-96-500-B30-V-X, WITH HAND SHOWER AND FLEX METAL HOSE WITH VACUUM BREAKER AND SLIDE BAR. VANDAL PROOF SHOWER HEAD, JR SMITH MODEL # 2005-2 DRAIN.	#3,4,7,8	
EW-2	ELKAY MODEL # LZWS-EDFPM117X	ELECTRIC WATER COOLER: ACCESSIBLE, DOUBLE BOWL, VANDAL-RESISTANT, SURFACE MOUNTED, 120V-10, 14 GAUGE SST, FRONT PUSH BARS, 5 LB. FORCE BUBBLER GUARD, 1.1 GPM BOTTLE FILLER.	FURNISH WITH HANGER BRACKET AND DANE APRON, REPLACEMENT FILTERS BRADLEY EPX-219-200 (ONE 12 PACK PER FIXTURE)	#3,4	SH-2	BUILT UP SHOWER REFER TO ARCHITECTURAL DRAWINGS.	SHOWER: STANDARD, MUD SET TILE FLOOR, REFER TO ARCHITECTURAL DRAWINGS.	SYMONS "SAFETYMAX" MODEL # C-96-1-295-X WITH VANDAL PROOF SHOWER HEAD MODEL # 4-295, JR SMITH MODEL # 2005-2 DRAIN.	#4,7,8	
EW-3	BRADLEY MODEL # S19448BF9	EYEWASH SHOWER: BARRIER FREE SHOWER W/ EYEWASH, IMPACT-RESISTANT HEAD, DELIVERING 3 GPM MIN AT 30 PSI, DELIVERING 20 GPM MIN AT 30 PSI.	1" PS STAY OPEN BALL VALVE WITH 4" - 0" PULL ROD AND HANDLE, 1/2" CHROME PLATED BRASS STAY OPEN BALL VALVE EPOXY COATED ALUMINUM FLAG HANDLE.	#3,4,9	U-1	AMERICAN STANDARD "WASHBOOK" MODEL # 6500-001	URINAL: ACCESSIBLE, WALL HUNG, VITREOUS CHINA, 3/4" TOP SPUD, 1/8" OUTFLET, VACUUM BREAKER AND ADJUSTABLE TAILPIECE.	SLOAN FLUSH VALVE MODEL # 19-ESS-U-123-SB-SE-T3-HW, JR SMITH 0700 CARRIER.	#1,3,4,5,9,14	
JS-1	FIAT MODEL # M8B-3024	JANITORS SINK: MODELLED STONE BASIN, 24"x36"x10", SST INTEGRAL DRAIN BODY.	SEE REMARK #12	#1,4,12	WC-1	AMERICAN STANDARD "AFWALL" MODEL # 2856-128	WATER CLOSET: ACCESSIBLE, WALL HUNG, ELONGATED BOWL, VITREOUS CHINA, 1 1/2" REAR SPUD, 1.28 MAX GPF.	SLOAN MODEL # 111-1-28-ES-S-TWO, SENSOR FLUSH VALVE W/ INTEGRAL STOP, MECHANICAL OVERSIDE & VACUUM BREAKER OLSONITE # 6555 OPEN FRONT, COVERLESS, WHITE SEAT, WALL SUPPORT JR SMITH SERIES 0200.	#1,3,4,5,13	
JS-2	FIAT MODEL # M8B-2424	JANITORS SINK: MODELLED STONE BASIN, 24"x36"x10", SST INTEGRAL DRAIN BODY.	SEE REMARK #12	#2,4	WC-2	AMERICAN STANDARD "AFWALL" MODEL # 2856-128	WATER CLOSET: STANDARD, WALL HUNG, ELONGATED BOWL, VITREOUS CHINA, 1 1/2" REAR SPUD, 1.28 MAX GPF.	SLOAN MODEL # 111-1-28-ES-S-TWO, SENSOR FLUSH VALVE W/ INTEGRAL STOP, MECHANICAL OVERSIDE & VACUUM BREAKER OLSONITE # 6555 OPEN FRONT, COVERLESS, WHITE SEAT, WALL SUPPORT JR SMITH SERIES 0200.	#1,4,5,13	
L-1	AMERICAN STANDARD "WASHBOOK" MODEL # 6500-001	LAVATORY: ACCESSIBLE WALL HUNG, 4" SPACED FAUCET, VITREOUS CHINA, FRONT OVERFLOW.	SLOAN MODEL #EAF-100-HL-HM-CP-05PM-AER-IR-IC-FCCT SENSOR FAUCET, CHROME PLATED GRID STRAINER, PROVIDE JR SMITH SERIES 700 CONCEALED SUPPORT.	#1,2,3,4,10	WS-1	BRADLEY "SENTRY" MODEL # S8200S-ASB14	CIRCULAR WASH STATION: STANDARD, VANDAL PROOF, FLOOR MOUNTED CIRCULAR BOWL, TYPE 304 SST, 5 STATIONS, 0.5 GPM PER STATION.	FURNISH WITH STAINLESS STEEL COVER ATTACHED TO DRAIN BODY. PROVIDE AIR ADMITTANCE VALVE.	#3,4	
L-2	BRADLEY MODEL #LVRD-2	LAVATORY: ACCESSIBLE TWO STATIONS 30" CENTER, QUARTZ SURFACE, VANDAL RESISTANT	FURNISH WITH IR-DGC ELECTRONIC FAUCET W/ 4 BATTERIES, STAINLESS STEEL ACCESS PANEL.	#3,4,7						

REMARKS:
1. COLOR SHALL BE WHITE.
2. INSTALL TRUBRO INC. MODEL #102, HAND LAV-GUARD PROTECTOR ON THE HOT, COLD, AND DRAIN PIPING UNDER FIXTURE.
3. FIXTURES AND TRIM AS NOTED SHALL BE "ACCESSIBLE" AND SHALL BE INSTALLED TO ADA / ANSI A117 AND FEDERAL 504 REQUIREMENTS.
4. PROVIDE ISOLATION VALVES AT THE PIPE CONNECTIONS.
5. PROVIDE WATER HAMMER ARRESTORS AT THE PIPE CONNECTIONS. LOCATE IN AN ACCESSIBLE LOCATION.
6. PROVIDE SINK WITH REAR OFFSET DRAIN TO LEFT OR RIGHT SIDE FOR ADA COMPLIANCE, ANSI A117 AND FEDERAL 504 REQUIREMENTS SEE ARCHITECTURAL DRAWINGS FOR DRAIN LOCATIONS.
7. COLOR AS SELECTED BY ARCHITECT. PROVIDE SAMPLES.
8. RECESS UNIT IN CONCRETE SLAB TO MAXIMUM OF 1/2" HIGH THRESHOLD.
9. PROVIDE TEPID WATER SUPPLY TO EMERGENCY FIXTURE.
10. PLUMBING CONTRACTOR SHALL FURNISH & INSTALL H&CW SUPPLIES WITH SHUT OFF VALVES, DRAIN AND VENT PIPING AT FIXTURE.
11. FURNISH FAUCET WITH MIXING VALVE. INSTALL ALONG WALL BELOW FIXTURE.
12. PROVIDE WITH FIAT MODEL #830-A SERVICE FAUCET WITH VACUUM BREAKER, MODEL #1453-BB 16 GAUGE STAINLESS STEEL STRAINER, MODEL #1239-BB ALUMINUM BUMPER GUARD PLATE, MODEL #MSG-3636 WALL GUARD, MODEL #889-CC MOP HANGER, FOR CALLED LEAD CONNECTION NO LESS THAN 1" DEEP FROM DRAIN TO A 3" WASTE PIPE.
13. SENSOR SHALL BE ADJUSTABLE. PROVIDE WITH SOLENOID VALVE, CHROME PLATED WALL PLATE AND MODEL EL-151 TRANSFORMER (120 VAC/24 VAC) SENSOR SHALL BE ADJUSTABLE. PROVIDE WITH FILTERED SOLENOID VALVE, CONTROL MODULE AND EL-208 TRANSFORMER (120 VAC/24 VAC). REFER TO DETAIL #95E-1-1 FOR ADDITIONAL INFO.
14. FIXTURE U-1 SHALL BE ACCESSIBLE. U-2 SHALL BE MOUNTED AT A STANDARD HEIGHT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
15. FURNISH TERRAZZO BASE/RECEPTOR WITH 2" DRAIN AND STRAINER, ZURN MODEL 24156 OR APPROVED EQUAL.

100% CONSTRUCTION DOCUMENTS

drawing title
PLUMBING SCHEDULES

REVISIONS		
mark	date	description
1	07/23/2019	ADDENDUM NO. 1
2	07/30/2019	ADDENDUM NO. 2
4	08/09/2019	ADDENDUM NO. 4

drawing no
date
05/24/2019

scale
1/8" = 1'-0"

drawn by
msp

approved by
nc

drawing no.
P3-1-2

drawing prepared by
Consulting Engineering Services, Inc.
911 Middle St., Middletown, CT 06457

project
ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL
600 Orange Avenue Middletown, CT 06461

CAD no.
DCS project no.
#E7-076-GR

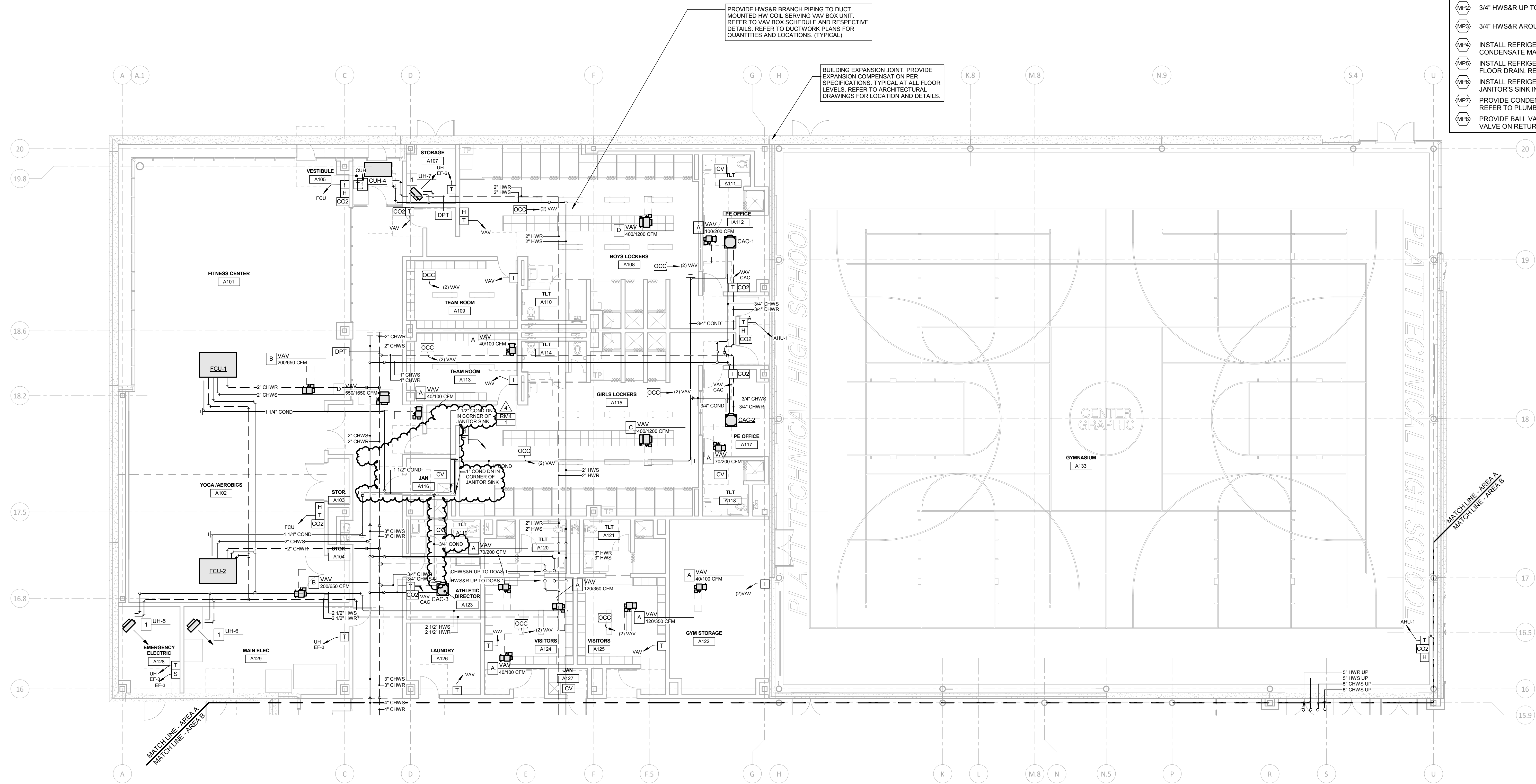
OSCRG project no.
960-0113

MECHANICAL NOTES

- SEE DRAWINGS M3-1-1, M3-1-2 & M3-1-3 FOR SYMBOL LIST AND SCHEDULES.
- SEE DRAWINGS M4-1-1, M4-1-2, M4-1-3 & M4-1-4 FOR DETAILS.
- SEE DRAWINGS M5-1-1, M5-1-2, M5-1-3 & M5-1-4 FOR CONTROLS DIAGRAMS.
- REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS ON GENERAL CONDITIONS, MATERIAL SPECIFICATIONS AND INSTALLATION.
- PROVIDE CLEARANCE ADJACENT TO EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED TO PROPERLY MAINTAIN EQUIPMENT. PROVIDE MINIMUM 42" CLEARANCE IN FRONT OF EQUIPMENT, PIPE DROPS, ETC. CLEARANCES SHALL BE IDENTIFIED ON COORDINATION SHOP DRAWINGS.
- PROVIDE REMOTELY CONTROLLED VOLUME DAMPERS AT ALL SHEETROCK AND METAL CEILING AND WHERE VOLUME DAMPERS ARE NOT ACCESSIBLE THRU ACCESSIBLE CEILING WITH STANDARD STEP LADDER.
- VOLUME DAMPERS SHALL BE INSTALLED MINIMUM 8'-0" FROM EACH DIFFUSER, GRILLE AND REGISTER WHERE EVER POSSIBLE. FLEXIBLE CONNECTIONS SHALL NOT EXCEED 8'-0" IN LENGTH.
- NOT ALL BRANCH PIPING TO DEVICES ARE SHOWN. PROVIDE BRANCH PIPING TO ALL DEVICES PER DETAILS AND SCHEDULES. PIPE BRANCHES SHALL BE MINIMUM 3/4" DIAMETER UNLESS NOTED OTHERWISE.
- ALL PENETRATIONS THROUGH FULL HEIGHT CORRIDOR WALLS SHALL BE SEALED. REFER TO ARCHITECTURAL DRAWINGS FOR TYPES OF WALLS AND REQUIREMENTS FOR SEALING.
- DUCTWORK AND PIPING LAYOUTS DO NOT SHOW ALL TRANSITIONS AND OFFSETS THAT WILL BE REQUIRED. PROVIDE COORDINATION DRAWINGS AND OFFSET DUCTWORK AND PIPING AS REQUIRED.

MECHANICAL PIPING KEY NOTES

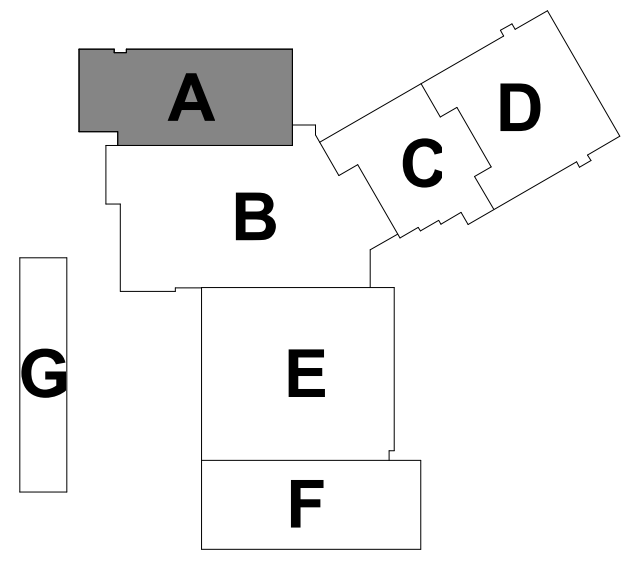
- (MP1) 3/4" HWS&R DOWN. OFFSET AND PROVIDE ELBOWS IN PARTITION TO ALIGN WITH PIPE CONNECTIONS AT RADIATION.
- (MP2) 3/4" HWS&R UP TO FLOOR ABOVE.
- (MP3) 3/4" HWS&R AROUND COLUMN FEEDING RADIATION.
- (MP4) INSTALL REFRIGERANT PIPING UP TO CU ON THE ROOF. INSTALL 3/4" CONDENSATE TO CONDENSATE MAIN.
- (MP5) INSTALL REFRIGERANT PIPING UP TO CU ON THE ROOF. INSTALL 3/4" CONDENSATE TO FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR LOCATION.
- (MP6) INSTALL REFRIGERANT PIPING UP TO CU ON THE ROOF. INSTALL 3/4" CONDENSATE TO JANITOR'S SINK IN CUSTODIAL CLOSET.
- (MP7) PROVIDE CONDENSATE PIPING FROM ERVU TO FLOOR DRAIN AT THE SHOP LEVEL. REFER TO PLUMBING DRAWINGS FOR LOCATION.
- (MP8) PROVIDE BALL VALVES ON SUPPLY AND RETURN PIPING AND MANUAL BALANCE VALVE ON RETURN PIPING.



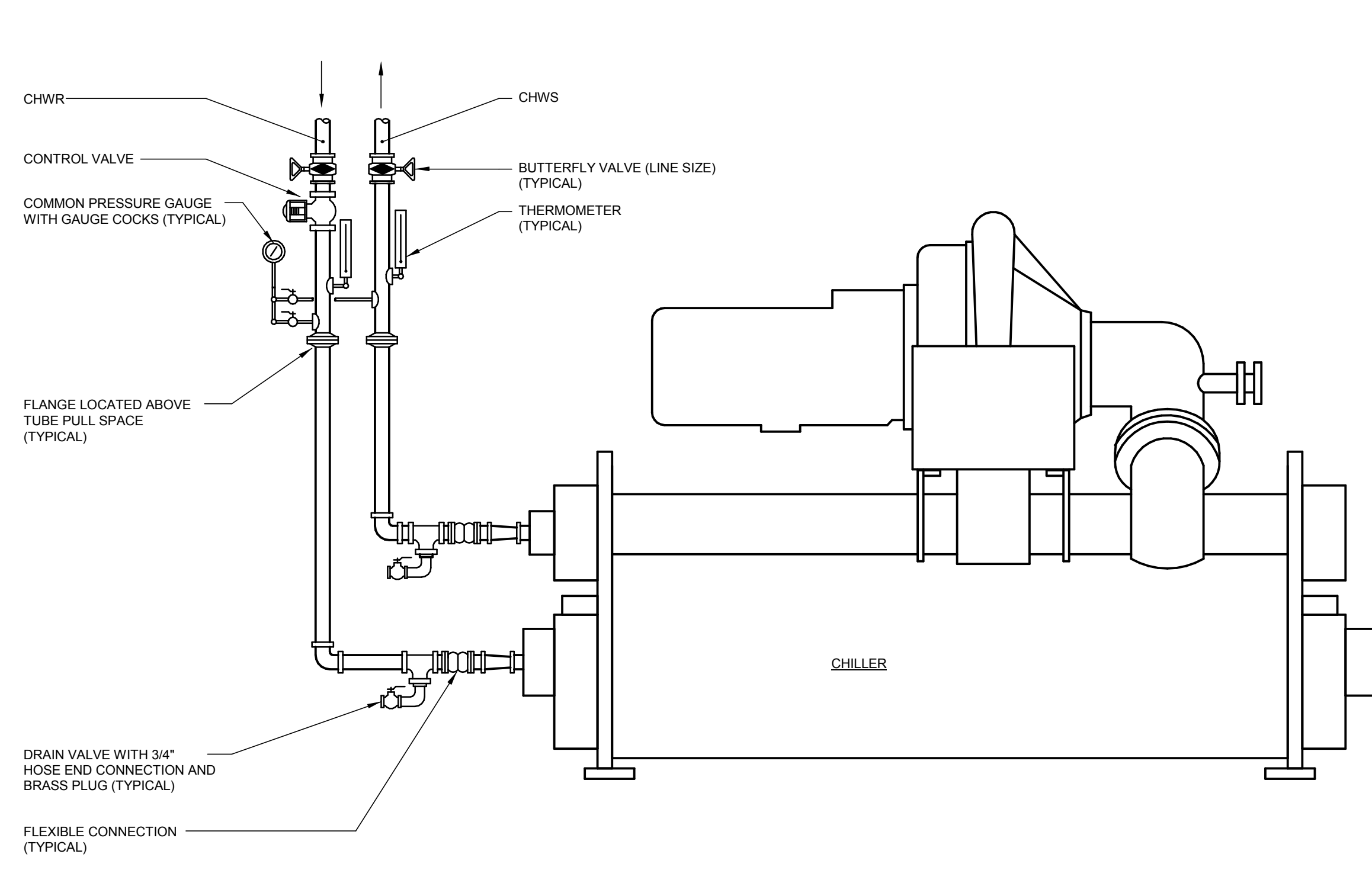
PROVIDE HWS&R BRANCH PIPING TO DUCT MOUNTED HW COIL SERVING VAV BOX UNIT. REFER TO VAV BOX SCHEDULE AND RESPECTIVE DETAILS. REFER TO DUCTWORK PLANS FOR QUANTITIES AND LOCATIONS. (TYPICAL)

BUILDING EXPANSION JOINT. PROVIDE EXPANSION COMPENSATION PER SPECIFICATIONS. TYPICAL AT ALL FLOOR LEVELS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS.

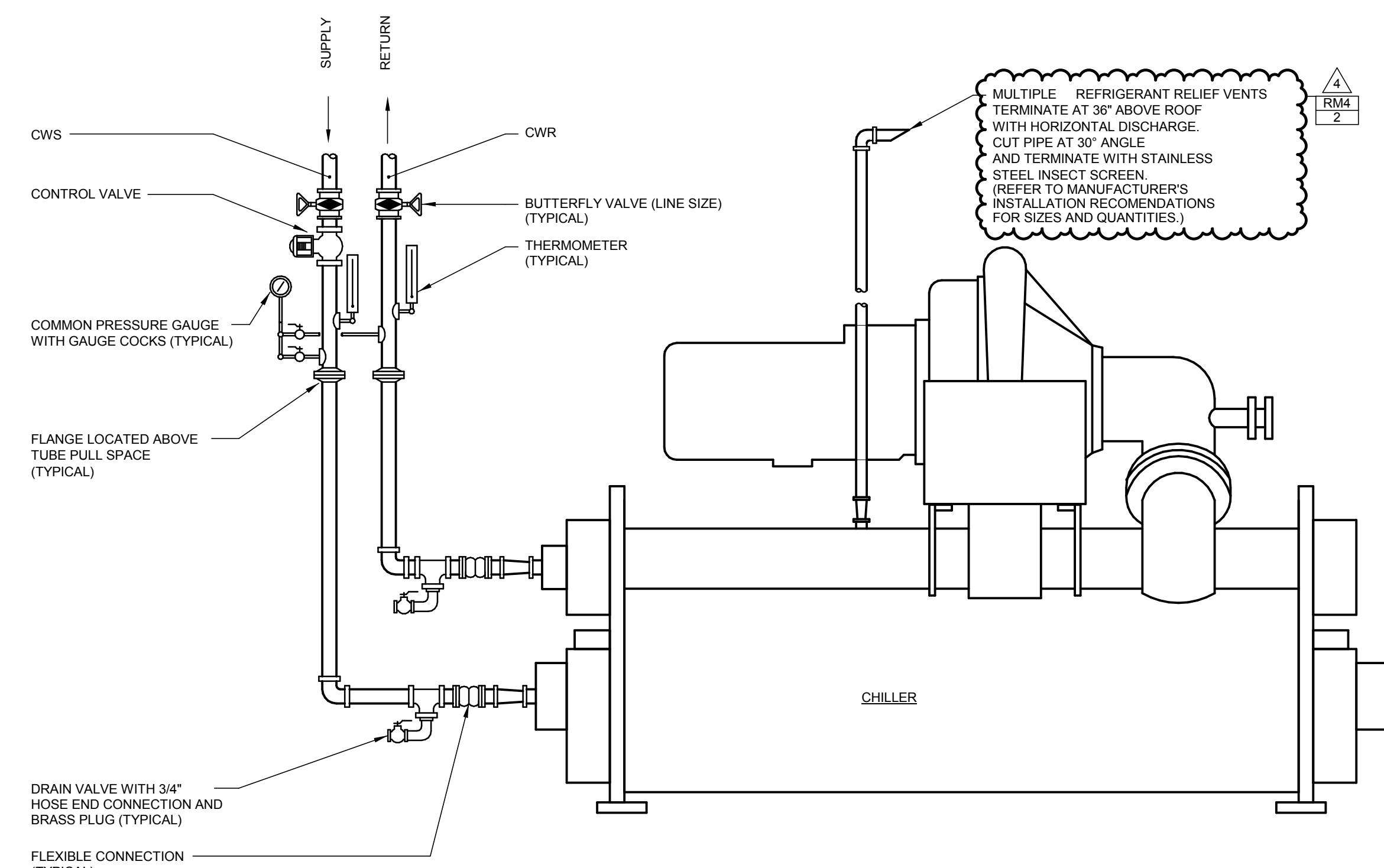
1 FIRST FLOOR MECHANICAL PIPING PLAN - AREA A
1/8" = 1'-0"



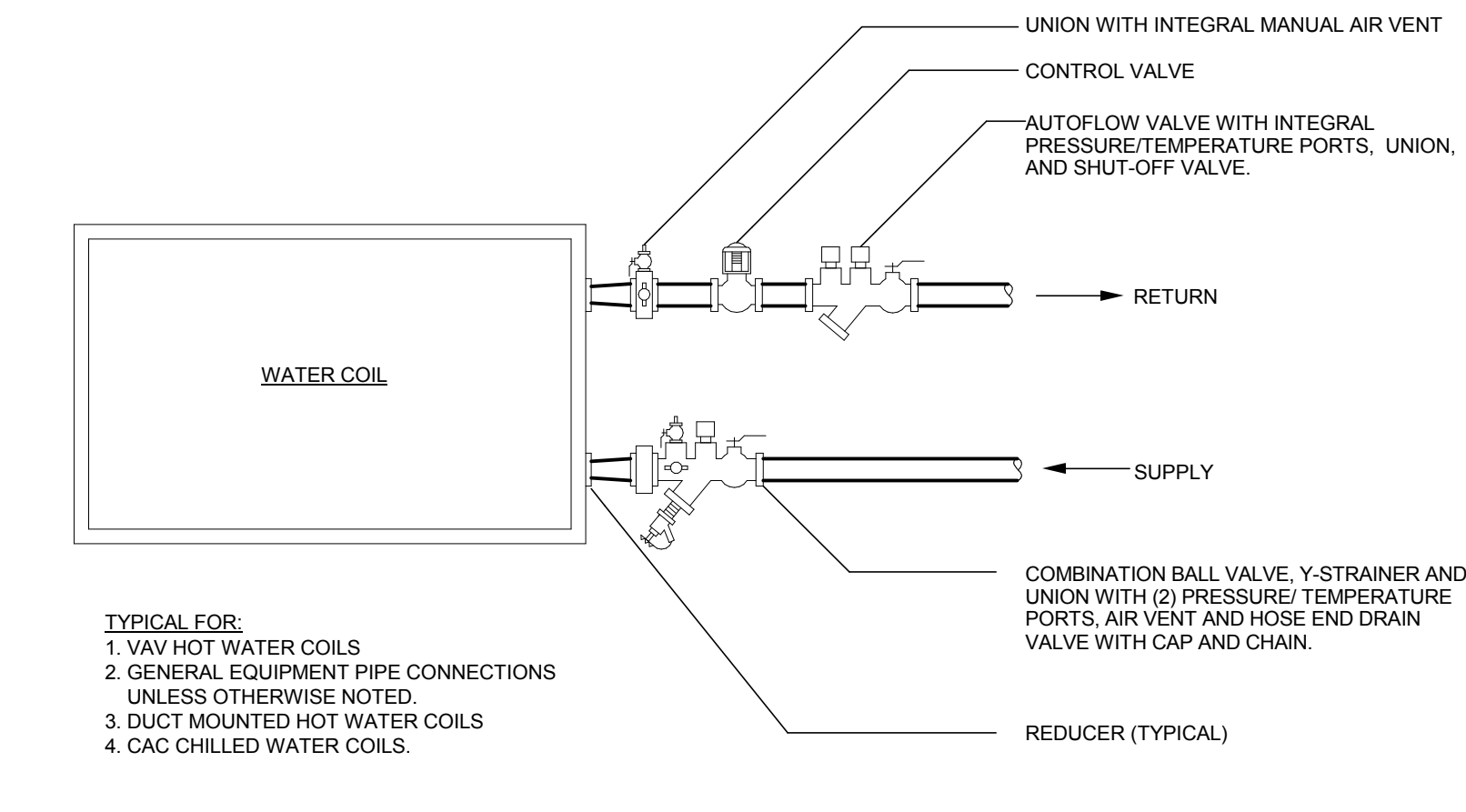
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REVISIONS			date 05/24/2019	
mark	date	description	scale As Indicated	
4	06/09/2019	ADDENDUM NO. 4	drawn by AMK	
project ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461			approved by scw	
CAD no.	DCS project no. BLRT-076 CM-R	OSGCR project no. 990-0013	drawing no. M2-1-1A	



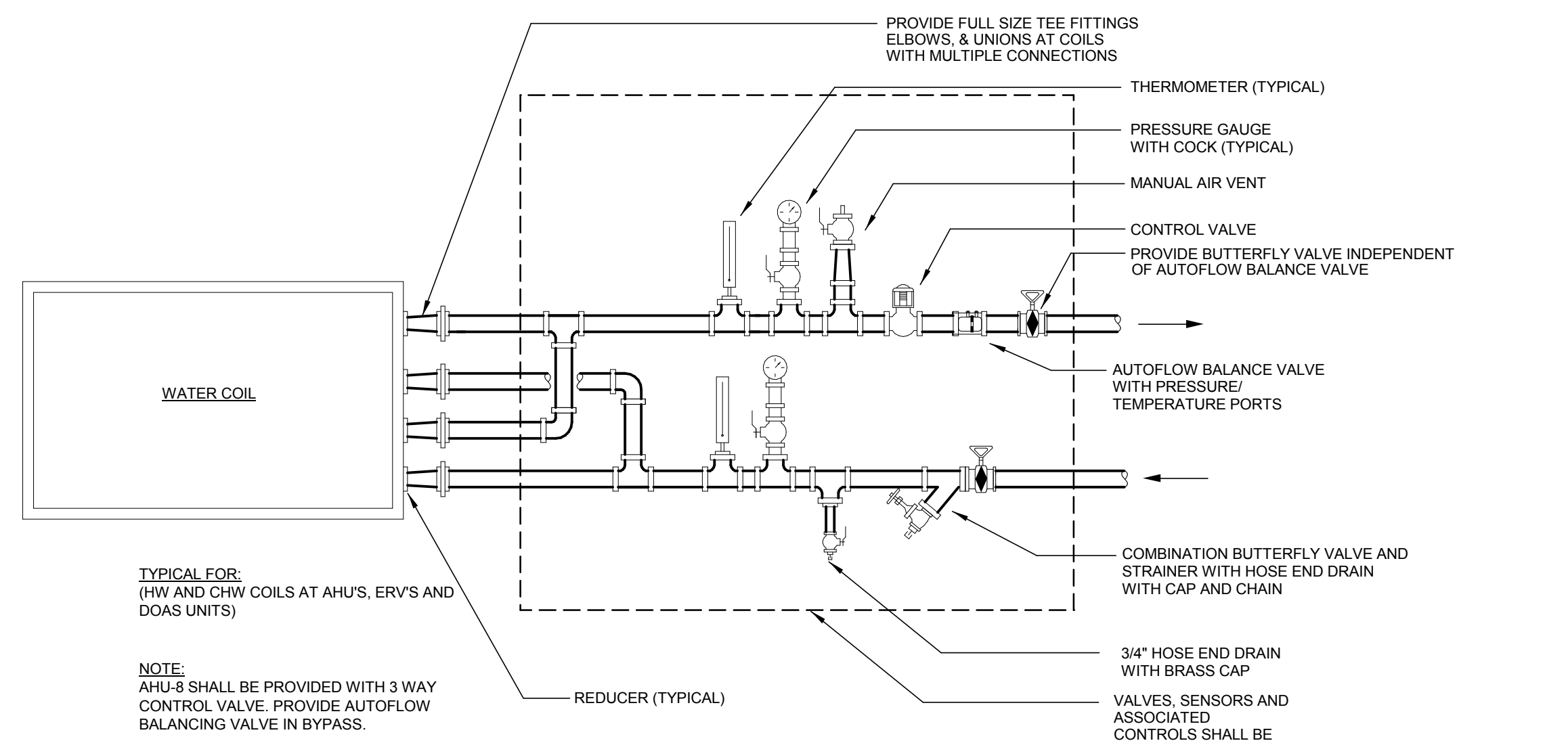
1 CHILLER PIPING DIAGRAM
SCALE: N.T.S.



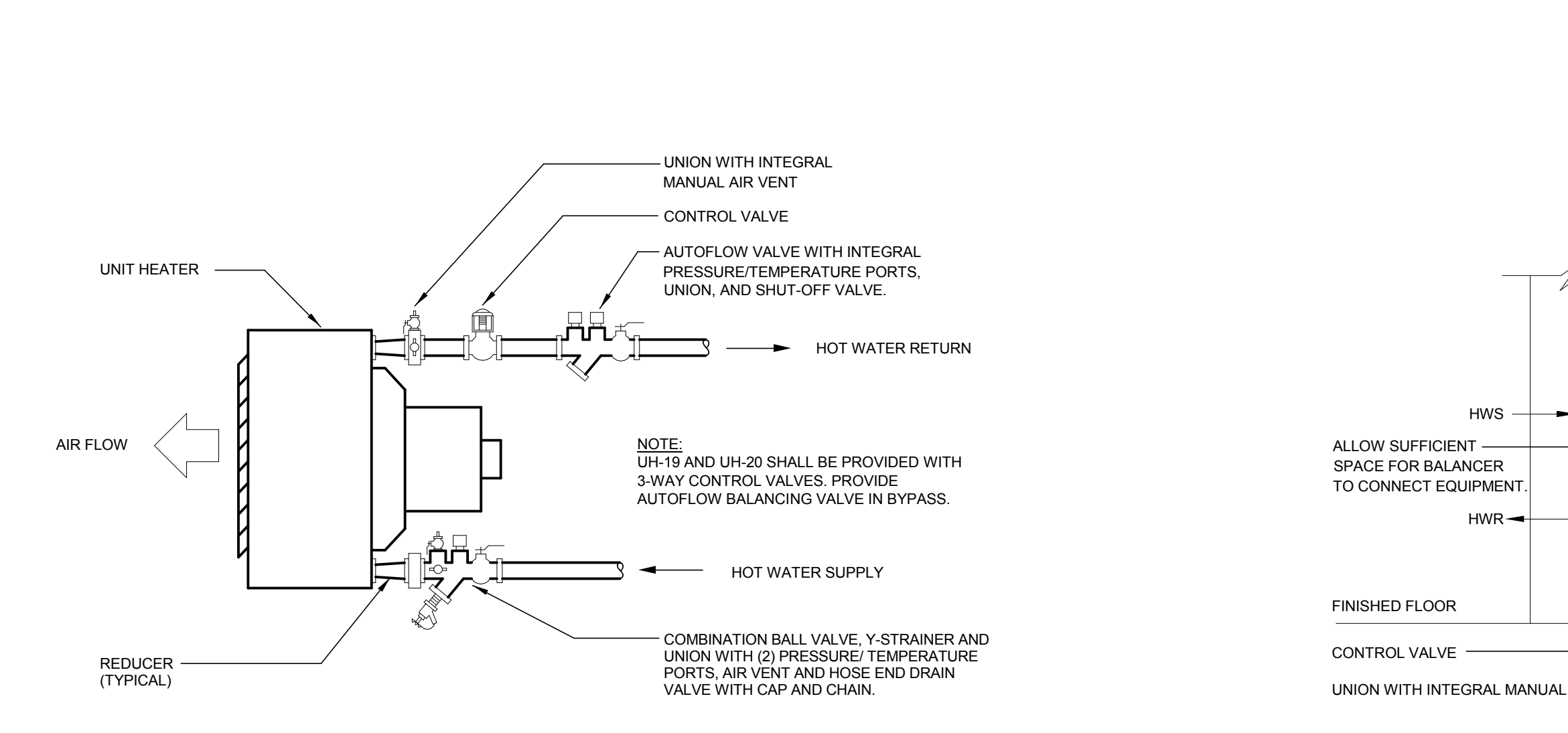
2 CHILLER PIPING DIAGRAM
SCALE: N.T.S.



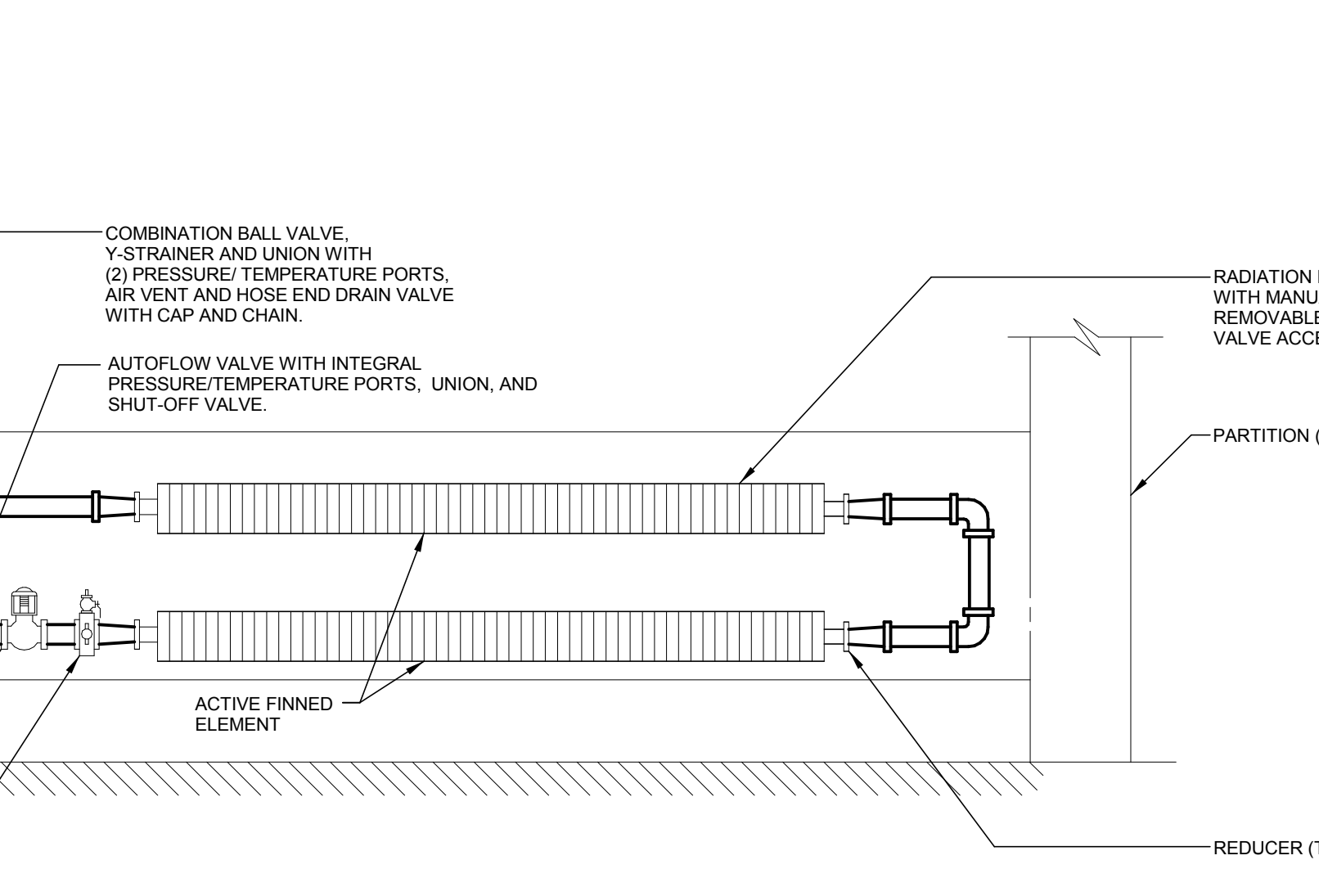
3 WATER COIL PIPING DIAGRAM
SCALE: N.T.S.



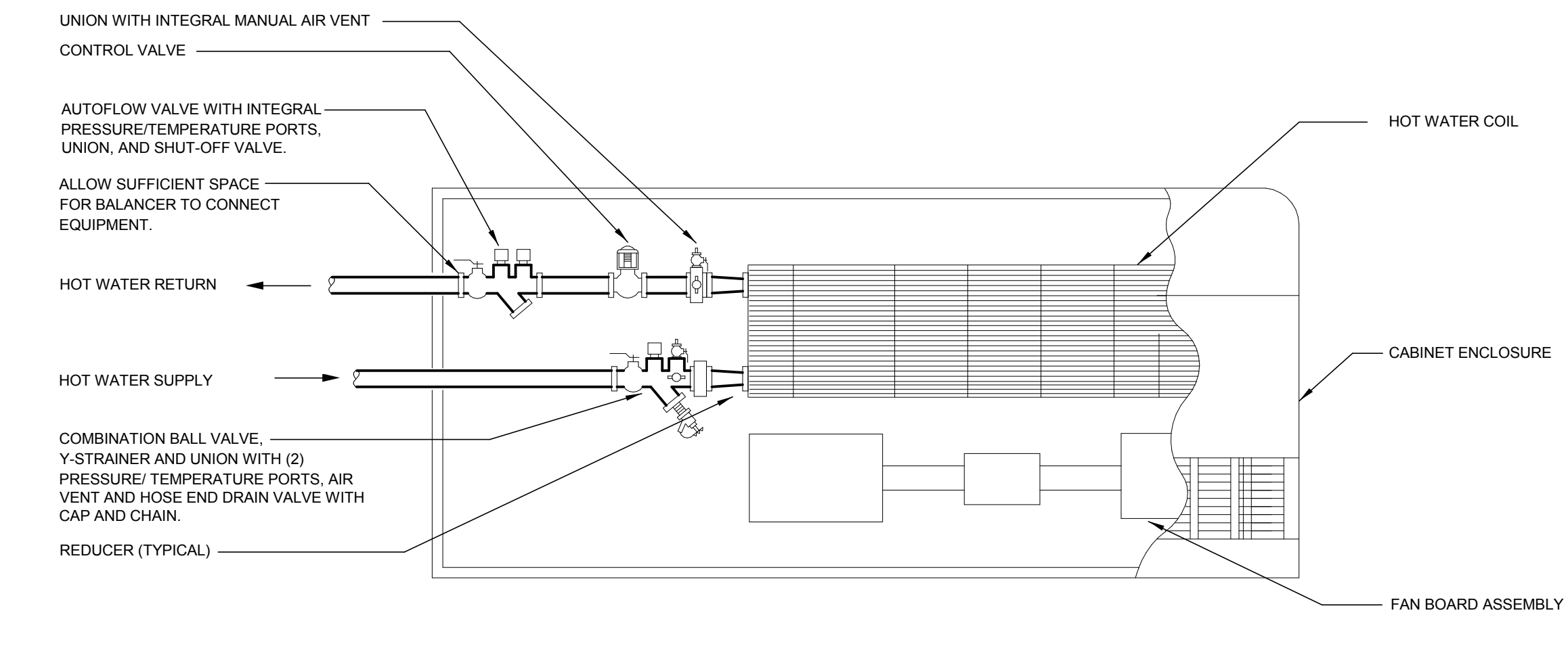
4 AHU & DOAS WATER COIL PIPING DIAGRAM
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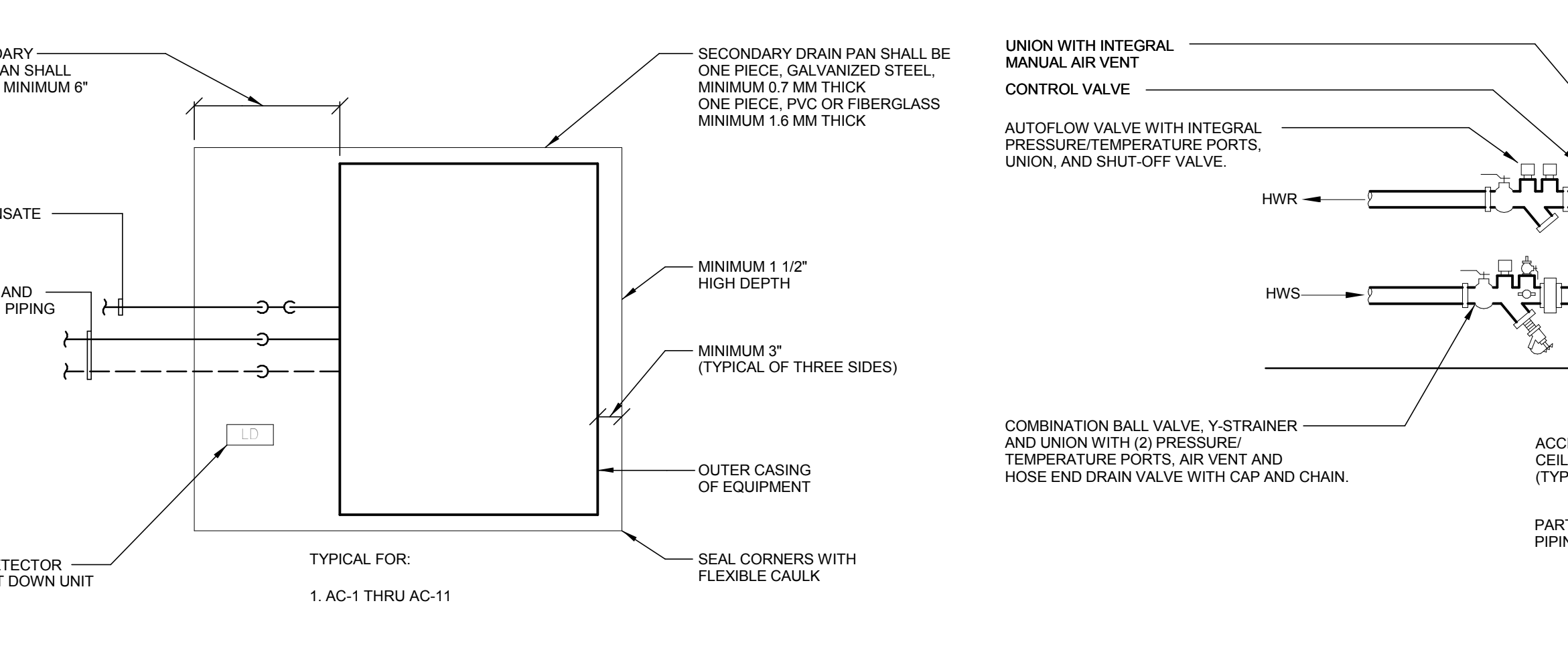
5 HOT WATER UNIT HEATER PIPING DIAGRAM
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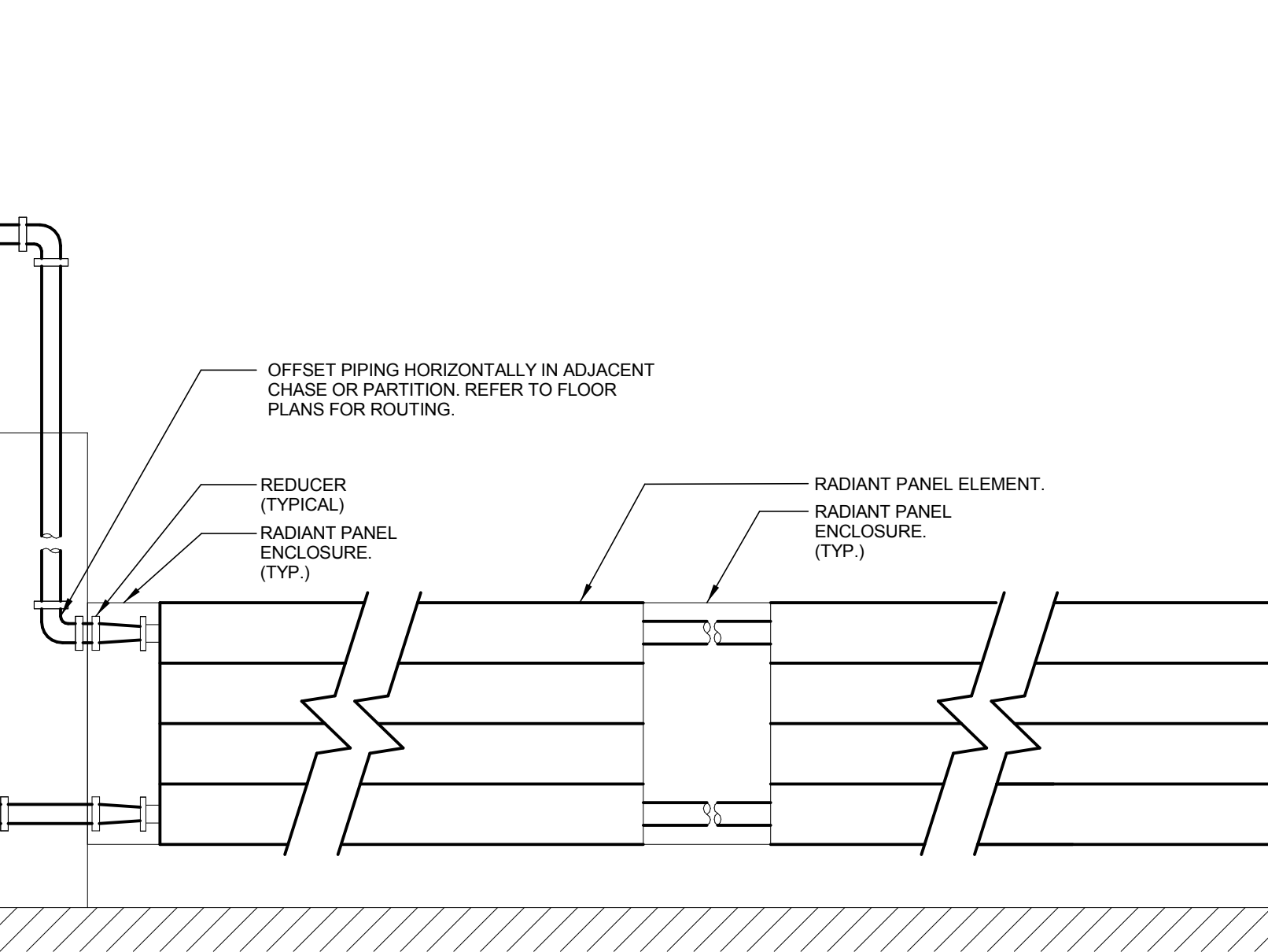
6 HOT WATER FIN TUBE RADIATION PIPING DIAGRAM
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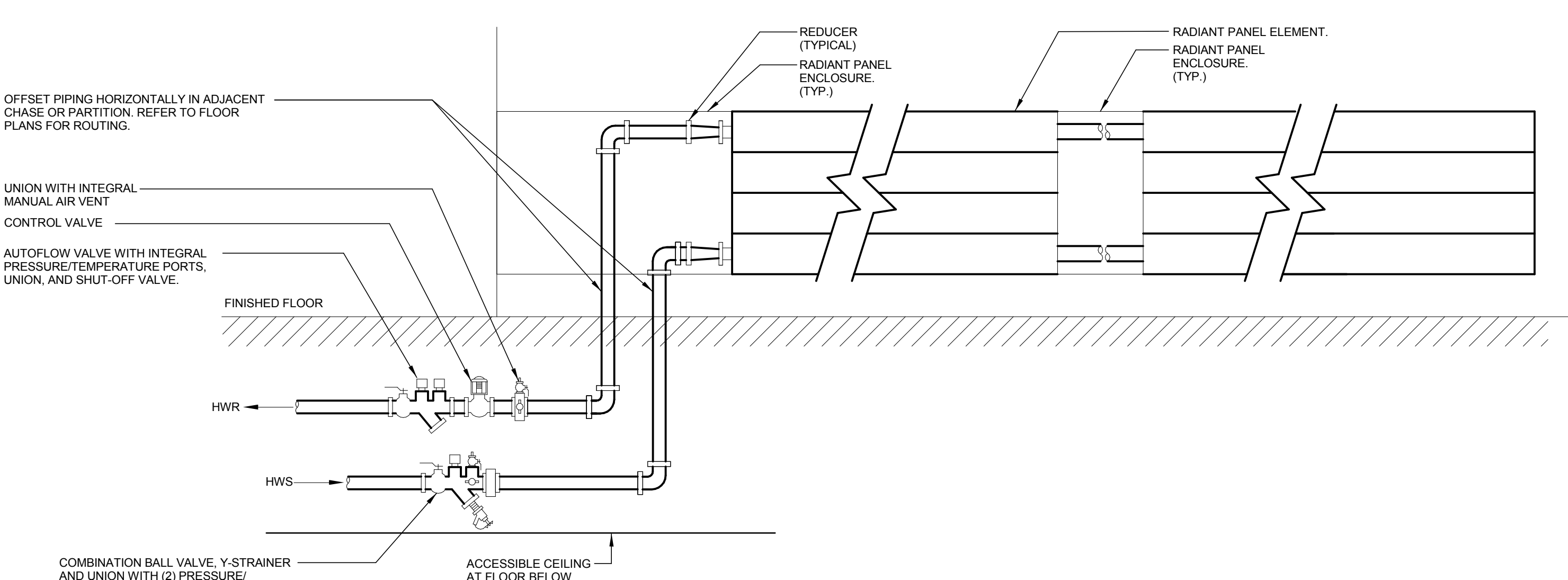
7 HOT WATER CABINET UNIT HEATER PIPING DIAGRAM
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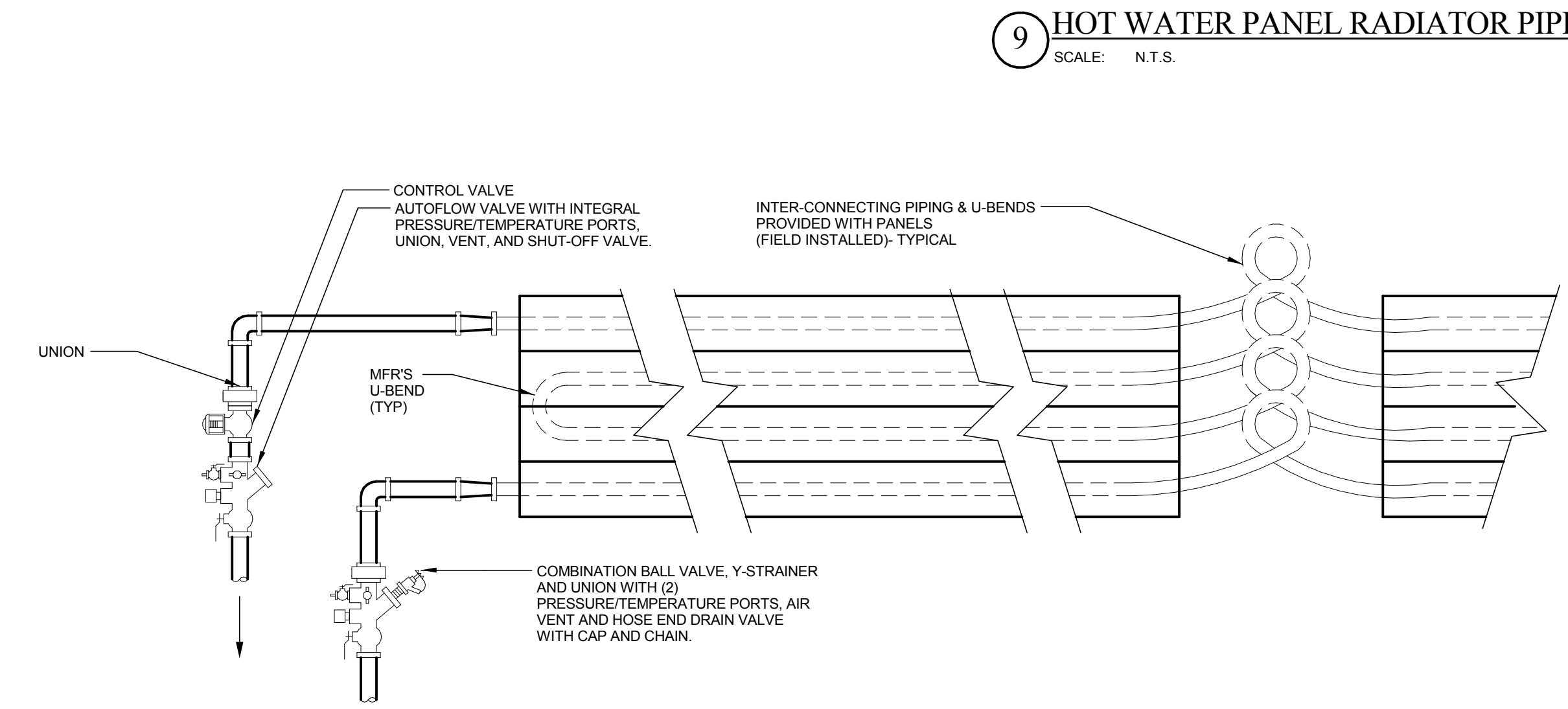
8 SECONDARY DRAIN PAN DETAIL
SCALE: N.T.S.



9 HOT WATER PANEL RADIATOR PIPING DIAGRAM
SCALE: N.T.S.



10 HOT WATER PANEL RADIATOR PIPING DIAGRAM
SCALE: N.T.S.



11 RADIANT CEILING PANEL PIPING DIAGRAM
SCALE: N.T.S.

100% CONSTRUCTION DOCUMENTS			drawing title	
MECHANICAL DETAILS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
CONSULTING ENGINEERING SERVICES, INC. 911 Middle St., Middletown, CT 06457			date 05/24/2019	
project ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Middletown, CT 06461			scale 1/8" = 1'-0"	
CAD no. DCS project no. BIRT-076 CM-R			drawing no. M4-1-3	
OSGCR project no. 990-0013			approved by MSW	
mark			date	
4			06/09/2019	
description			ADDDENDUM NO. 4	

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-001	The 08 41 10 Aluminum-Framed Entrances and Storefronts Part 2 Products are calling out 2 ½” by 5” profile for 403 series interior and 403T for exterior. If you scale the Detail 07/A6-3-14 the storefront and curtain wall their face dimensions are 2”. The curtain wall is specified as 2 ¼” x 7” in 08 44 10 Glazed Aluminum Curtain Walls Part 2. That said, I can get either curtain wall system face dimension to work on the biggest spans but a 403 storefront system will not meet the design pressure criteria of the FM Global criteria (per Drawing S0-0-1). A 2 ½” x 5” 526 Series will meet the design criteria but will have a different face dimension than 2” or 2 ¼”. Additionally, a non-thermal 402 Series would be adequate for the interiors. Advise.		08 41 10 Alum. Framed Ent. & Storefront 08 44 10 Glaz. Alum. Curtain Walls	Refer to Addendum No.3 and No.4
ADD-4	4-002	Please clarify the sink and faucet model numbers and quantities for each elevation that are required for the science rooms. The elevations seem to show 2 faucets of different types and the top views of the elevations show 2 side mounted faucets and HW, W and CW on the back side of the sink. SS-4 on EQ-001, only shows 1 Faucet. What faucets and how many do they want for the science areas. The elevations show two. Furthermore, in the spec 11 6000, the SC listings do not state what sink and faucet assemblies to use, while the MC listings do show SS-4, for instance. The top view of elevations SC-10 shows Sink SS-4 and SC-11 show Sink A-55, while both are science room elevations with epoxy countertops. Can you rerelease EQ-001 with Stainless steel sink schedules with types of SS-4 and what type is actually needed for Science?			See addendum #3 for correction of typo of item SC-10 elevation and ss-4 sink. Regarding faucets for science labs and all sinks, on sheet EQ-001 has a schedule showing the sink with model number and faucets with model numbers.
ADD-4	4-003	Do sub tier subs such as a steel contractors erector need to be DAS certified if the value of their contract is over \$500k?			Yes, if the sub-subcontract is \$500,000 or more, even the sub-contractor needs to be DAS pre-qualified. This requirement does not apply to the manufacturers and suppliers.
ADD-4	4-004	In the Area related to the Supplemental Bid #1 - Drawings C-105, C-305, C-405, L-105, L-115, L-125 and L-135 are representative of the Scope of Work (drainage, seeded field, goal posts, movable bleachers, paths) that we are to include in our base bid – and the upgrades only (Running track, grandstand, Field Event pits, Fencing, etc.) as represented by the SB1-L-100 to SB1-L-503 Drawings are what we are to include in Supplemental Bid #1 – is that correct?			Yes, Refer to the documents for complete scope of work.
ADD-4	4-004	<u>Equal or Substitution Request: Section 09 64 60, Wood Athletic Flooring</u> Action Floor Systems Anchor Flex-Din - PUR certified floor system submitted for consideration as an equal to Robbins Bio-Channel Star system.		09 64 60 Wood Athletic Flooring	Specifications to remain with the three Wood Athletic Flooring manufactures as specified.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-005	General Trades Scope Item #64. Question: Please provide a snow retention system specification			Refer to Addendum No.4.
ADD-4	4-006	General Trades Scope Item #65 Please provide specific scope for the 1 hr fire barrier, the only thing depicted is spray fire proofing, which is not in the General Trades package or drywall assemblies or concrete.			The General Trades own all the fire barrier at the roof level and any other areas as required by the contract documents. The General Trades also own all the "fire safing" at the roof level and any other areas as required by the contract documents unless it is specifically noted in another bid package sub-contractor's scope of work. See Specifications Sections 07 84 10 and 07 84 40 for requirements.
ADD-4	4-007	Drawing S1-1-2E, note 4 states for the DT's to have an overall depth of 34". Please advise if an overall depth of 30" with the stem having a height of 26" and the flange to be 4" with the applicable loads shown on drawing S2-4-1 will be accepted?	S1-1-2E S2-4-1	Pre-cast	The underside of the precast double tees are exposed to view. Design intent is that all double tees within a room defined by precast bearing walls should be the same depth. It is also expected that the maximum camber of precast elements shall not exceed 2".
ADD-4	4-008	What are the liquidated damages on the contract?			Refer to Volume 1.
ADD-4	4-009	There are a couple references in the Submittal items of the project schedule (i.e. items S32.100 and S32.110) to Unit Pavers with the Bid Package column showing Landscaping #27. I do not see any mention in Bid Package #27 Trade Specific scope of work of any Unit Pavers. Please Clarify.			Unit Pavers are within Bid Package No.2 and not Bid Package No. 27.
ADD-4	4-010	<u>General Trades Scope Item 45.</u> Question: Please establish a tolerance level to based the flash patching cost relative to this item, as there is no way to determine such cost without perimeters. typically the millwork is shimmed for example vs flash patched. Please clarify or provide an allowance for such.		Bid Package No.6 General Trades	General Trades to flash patch for their work and for stanchions. Floor levelness is specified so that flashing under millowk is not needed.
ADD-4	4-011	General Trades, Bid Package Item No.62 refers to sealant at base of wall per 6/A-1-0-3. Is the intent of this that the sealant be run between the block and the floor? Please provide detail and product for this application as the joint between the the block and floor will be fille with mortar.		Bid Package No.6 General Trades	Refer to Addendum No.4.
ADD-4	4-012	Regarding General Trades, Bid Package Item No.63: b. 078410 1.2 A.3: What openings in the shafts and stairwells is this referring to? What is the detail?		Bid Package No.6 General Trades	Top of wall by Bid Package No.24. Pentrations thru wall by the perspective sub-contractor.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-013	Specification 098610 1.2 A indicates the Graffiti Control is to go on exterior masonry surfaces. Is the intent that this product will be applied to the Pre-Cast Concrete panels that make up the exterior of the building?		Bid Package No.6 General Trades 09 86 10, 1.2 A	Refer to Addendum No.4.
ADD-4	4-014	FM Global is mentioned in the specs but I do not see it called out within our BP. Can you please confirm FM Global requirements are not required within our scope of work.		Bid Package No.8 Windows	FM Global Required. Refer to Addendum No.3.
ADD-4	4-015	Spec.section 211313 2.2 pg.7, is a riser check valve with a removable front plate and flow switch allowed without a retard chamber and water gong, please clarify.		21 13 13 Wet-Pipe Sprinkler System	Yes.
ADD-4	4-016	Drawing A8-1-1A col. A and col. 20 show a window pocket at 15'-4" AFF with no fire protection shown. Are sprinklers required. Please clarify.	Fire Protection		The location noted is an exterior aluminum "overhang" at the exterior, not a ceiling pocket. The overhang extends approximately 3' beyond the exterior wall, as such, sprinklers are not required at this location.
ADD-4	4-017	Spec section 210400 states to provide portable fire extinguishers during construction. If correct, please provide the size and quantity needed.			Provide as required by OSHA.
ADD-4	4-018	FP1-1-1B 1st Floor B Boiler Room B163 shows (6) risers with Alarm valves. Detail 1 on FP3-1-1 shows (5) risers with alarm valves. Please clarify.	FP1-1-1B		Riser quantity has been corrected, revisions detailed in Addendum No. 4
ADD-4	4-019	Wind speed noted as 153mph per section 1.3.A.2 is much higher than what is typical for your zone. We plan to work with the typical wind speed of 99mph per IBC 2009 (this is ASCE-7-10, Risk Category 3, 132mph reduced to 99mph)		08 45 23 Fiberglass-Sandwich-Panel Assemblies	Wind Pressure values are based on FM Global Data Sheet 1-28, Section 2.7, for use of ASCE 7-10 values modified to allowable pressures with a safety factor of 2.0. Refer to Addendum No.3.
ADD-4	4-020	Specification section 2.3.A.10 asks for fiberglass sheet CC1 per IBC 2606. IBC 2606 is for skylights. This project is for curtainwall so the typical fiberglass sheet will be used.		08 45 23 Fiberglass-Sandwich-Panel Assemblies	Provide the product as specified, no revisions to the specifications is required.
ADD-4	4-021	Specification section 2.3.A.12 requests wind load in compliance with FM Global. The curtainwall will be designed to building code compliant wind speeds.		08 45 23 Fiberglass-Sandwich-Panel Assemblies	Wind Pressure values are based on FM Global Data Sheet 1-28, Section 2.7, for use of ASCE 7-10 values modified to allowable pressures with a safety factor of 2.0. Refer to Addendum No.3.
ADD-4	4-022	FP-1-1B shows the 6" FDC main exiting the building between col. 11.2 and col. 11.7. Also on FP1-1-ME between col. 8.2 and col. 9 dropping down to the exterior. Are there (2) FDC's. Please clarify.	FP1-1-1B FP1-1-ME		Location and quantity of FDC has been corrected, revisions detailed in Addendum No. 4
ADD-4	4-023	Drawings indicate there is an Overhead Coiling Counter. Is this part of GT? Please provide a specification.			Yes its required of General of General trades package. Refer to Addendum No.4 for modification to spec section.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-024	Specification 104400 Fire Protection Specialties only has information for the different types of cabinets that are needed. The fire extinguishers do not appear in the specs. Please provide a specification for size and type of extinguishers that are to be provided. Also please indicate where each type is to be located.			Refer to Addendum No. 4.
ADD-4	4-025	Item 62 for scope of work on our bid form refers us to Architectural Page A 3-1-27 for tempered glass screens .There is no Page A3-1-27 and what are glass screens ,if any ?		Bid Package No.8 Windows Bid Package No. 19 Millwork & Casework	The tempered glass noted within the question is appart of Bid Package No.19, Millwork & Casework, scope of work. It is referencing Glass Railing at the Custom Café Counter. Refer to drawings 4/A2-2-1, 3/A2-2-6 & A9-1-2. Section 064020, Article 2.8, B-4.
ADD-4	4-026	Does "Safety Glazing" noted on Architectural Page A6-2-3 Refer to the "SG" School guard glass in the specifications or Tempered glass ? Some areas on the door Schedule list these openings in the Glass column as "SG" . This "SG" designation also appears on some interior Aluminum storefronts which we are assuming , whether listed as "SG" or "Security glass" requires the School Guard Glass . Are we correct in our assumption ? Please advise.	A6-2-3	Bid Package No.8 Windows	Refer to Addendum No.4.
ADD-4	4-027	Are Door types FW1 and FW2 used ?		Bid Package No.8 Windows	Refer to Addendum No.4
ADD-4	4-028	Please Reference interior aluminum storefront types ISF 27-29 , Does the shaded areas for the "SG" Glass require a tint on the "SG" Glass		Bid Package No.8 Windows	Refer to Addendum No.4
ADD-4	4-029	I have received a few requests for this project and the estimating department at our Plant is questioning whether or not FM Global is required for the Curtain Wall, Storefront and Windows. Can you please confirm if FM Global is required, or not?		Bid Package No.8 Windows	FM Global Required. Refer to Addendum No.3.
ADD-4	4-030	Are there any liquidated damages associated with this project? If so, what are they and is there a cap? The term liquidated damage was found generically several times in the Volume 1 specification, but no defined terms were provided?			Please review volume 1. Damage values are noted, there is no cap.
ADD-4	4-031	Who owns furnishing and installing the HVAC Equipment shown on the HVAC Equipment Schedule on Plumbing Drawing P2-1-7? None of these pieces of equipment are shown on the HVAC plans or schedules, so it is currently assumed that this is being furnished and installed by a separate contractor other than the HVAC or PLBG contractor. Please advise?	P2-1-7		On drawing P2-17 there is a note that states "REFER TO EQUIPMENT DRAWING & SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS & CONNECTIONS TO EQUIPMENT SPECIFIED BY OTHERS." For the HVAC Vocational Shop the corresponding Equipment Drawing would be EQ-2.3. Refer to Addendum No.4 for clarifications to the HVAC Equipment Schedule on drawing EQ-2.3.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-032	The HVAC Scope of Work #29 states that the HVAC subcontractor shall be responsible to pay directly to electrical bid package for any costs to cover project beyond normal working hours or for the work of their bid package as required? Please further clarify this line item. As it stands this states that any and all costs for that the electrician may need to work overtime is to be charged to the HVAC contractor? Please clarify that the electrical bid package will cover their own overtime, as we honestly have no clue what the electrician needs for OT, if required?			Agreed
ADD-4	4-033	HVAC Scope of Work #64 states that the HVAC Contractor owns providing any additional regulators for equipment provided by other bid packages? Please place this responsibility on those other bid packages, as it is impossible for the HVAC Contractor to know Prebid which pieces of gas equipment provided by miscellaneous contractors do not come with regulators, as well as what sizes and pressure ratings those regulators should be for equipment we are not furnishing and installing ourselves (especially when we are not installing the gas piping)? We can account for the regulators on our own equipment, but it would be more fair to place the responsibility of all other regulators on the bid package providing the equipment. Otherwise, please provide equipment names, pipe sizing, btu rating, pressure in, and pressure out of each regulator being requested outside of the HVAC Contractor's equipment so we can properly price this request.		Bid Package No.16 HVAC	HVAC sub-contractor shall figure regulators in accordance with scope of work Item No.64.
ADD-4	4-034	HVAC Scope of Work #67 states to include work as shown on ALL contract documents, any questions to be raised prior to bid via RFI. For clarity purposes, please indicate which drawings outside the HVAC plans that the HVAC Contractor should particularly pay attention to for additional scope? We would recommend placing all HVAC work on the HVAC drawings for better clarity amongst all bidding HVAC Contractors. If there is a particular large piece of equipment or system not specifically shown on the HVAC drawings, please bring light to them so all contractors are aware of additional work outside the HVAC plans.		Bid Package No.16 HVAC	HVAC contractor owns all work required by all the contract documents.
ADD-4	4-035	Please advise on which bid package will own furnishing and installing all condensate piping. Also, please add pipe sizing and routes to the drawings, if possible? There is some condensate shown on drawing M2-11A, but condensate is not shown on any other drawings.		Bid Package No. 15 Plumbing Bid Package No.16 HVAC	HVAC sub-contractor owns all condensate piping. Note: Condensate drain piping is specified in Spec Section 23 2113. Also refer to Condensate Drain schedule on Dwg M3-1-2.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-036	Should CAC-3 also tie in to the condensate piping system shown on M2-1-1A which drops into the Janitor's Sink (Room A116)?	M2-1-1A		Yes, Refer to Addendum No. 4
ADD-4	4-037	Which trade installs the 8" PIV Valve outside the building on the fire service line, please clarify.	Fire Service Line		A PIV is not required. This was confirmed w/ Anthony W Fino, Deputy Fire Marshal on 10/26/2018.
ADD-4	4-038	Drawing FP1-1-1G does not show a FDC on the building, please clarify if one is required.	FP1-1-1G		A FDC is required, refer to revisions in Addendum No. 4.
ADD-4	4-040	<u>Equal or Substitution Request: Section 07 54 00, Thermoplastic Membrane Roofing</u> Johns Manville submitted PVC SD Plus for consideration as an equal to Sika Sarnafil, S327.		07 54 00 Thermoplastic Membrane Roofing	Specifications to remain with the three roofing manufacturers as specified.
ADD-4	4-041	BP#19 Millwork and Casework: RE: window sills. Details 14 and 15 on A6-3-13 the window sills are called out as hardwood. In the spec on page 1 of 22 – paragraph 1.2 – item 12 – solid surface sills are referenced. What material should the window sills be? Please advise Reference Spec: 06 40 20 Reference Dwg: Question: Details 14 and 15 on A6-3-13 the window sills are called out as hardwood. In the spec on page 1 of 22 – paragraph 1.2 – item 12 – solid surface sills are referenced. What material should the window sills be? Please advise	A6-3-13	06 40 20	Provide Hardwood Stools as shown on drawings. Refer to Addendum No.4.
ADD-4	4-042	In the Architectural Precast Concrete spec (03 45 00) 1.6A calls for a category A erector certification. There is basically no erector available that holds that certification and is also DAS certified in Connecticut. My recommendation would be to have the engineer wave the precast certification. This would help by making the current DAS certified steel erectors eligible to erect the precast if they choose to. Making it acceptable to also get you DAS certification after the bid if required would also help greatly. There are several PCI certified erectors in the region, but I have only located one that holds both certifications.		03 45 00	Refer to Addendum No.4.
ADD-4	4-043	It seems that it would be more advantageous to have just one joint sealant contract bidding directly to you rather than many smaller contracts in multiple packages. The coordination and grey areas of conflict are going to much greater than necessary.			Scope is defined in Bid Packages.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-044	RE: Penetration Firestopping Specification, 07 84 10 1.4 Performance Req A.1- All firestopping shall be FM Global approved. 1.6 QA C. Source limitations- tells us to use a single manufacturer. FM does not have enough approved systems from one manufacture to completely firestop a project. I believe the spec should state all firestopping should be UL approved, as UL systems are the industry standard.		07 84 10 Penetration Firestopping	Refer to Addendum No.4.
ADD-4	4-045	BP #3 Concrete note 66 says "provide insulation between slabs and between slab edge and foundation wall with sealant as required by the contract documents". Is this instance speaking to details like 1, 2, 5, 6, 14-15/A331 etc? If not, where is this instance applicable, and are the details mentioned assigned to GT BP 6?			Follow Architectural Drawings.
ADD-4	4-046	Please refer to detail 7/507. Detail refers us to 312000 2.1I, pipe bedding. That section lists both sand and ¾" stone. Which is to be used as pipe bedding?	7 / C-507	31 20 00 Site Earth Moving	The use of either bedding sand or ¾" crushed stone for sanitary sewer pipe is acceptable. If the trench bottom is wet or where groundwater is encountered use ¾" crushed stone bedding to comply with M.08.03.
ADD-4	4-047	Suppliers of precast curb only make radius' up to 40'. Will straight pieces be acceptable for any radius' over 40' per manufactures recommendations?			Precast curb are available up to 50' radii. Straight pieces be acceptable for radii over 50'.
ADD-4	4-048	Please refer to spec section 116833 – 2.3.G – Pitching Machine. Please clarify how many pitching machines are required. Which bid package is responsible for these?		11 68 33 Athletic Field Equipment	Bid Package #02 owns this work. Refer to Addendum No.4 regaring quantity.
ADD-4	4-049	what color the Platt Technical School would like the running track to be? We are bidding and not seeing it in the specs, other than color to be chosen by owner etc.		32 18 23.39 Synthetic Track Surfacing	Refer to Addendum No.4.
ADD-4	4-050	Drawing A105 shows about 29,000sf of roof in areas E & F as being slab on deck. Is this correct?			Buildings E & F are mostly precast concrete structure with topping slabs. Refer to the Construction Documents for details.
ADD-4	4-051	Aside from the fire extinguisher cabinets shown on the floor plans, are there any further requirements such as fire extinguishers in mechanical or electrical rooms?			This item was clarified in Addendum No. 4.
ADD-4	4-052	Please confirm the 1% fabric in the Multipurpose Room with Side Channel. (Jamb tracks) Do all the shades that are 1% get Side Channel (Jamb Tracks) as well?			This was clarified in Addendum No 4.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-053	Manual Crank override – Many manufacturers have discontinued this option, is it required? Please verify Where are the Double Shades? Are they motorized and Manual?			The documents will remain as published without modification to this item.
ADD-4	4-054	Please refer to spec section 323300 – 2.4.A.2.b – Metal Pipe Bollards – Color. Please specify what color the architect is requiring.		32 33 00 Site Furnishings	Refer to Addendum No.4.
ADD-4	4-055	Please refer to drawings C-100 – C-106. Please provide more information in regards to what is being removed, I believe for accuracy, the items to be removed should be called out. Remove fence, remove drainage pipe, remove conc curb, etc.	C-100 C-106		Refer to the legend on drawings C-100 through C-106. Remove all features in the hatched area unless noted otherwise.
ADD-4	4-056	Are there Double Motorized Shades on this job?			The scope of this section is shown on the "A6"series drawings. Refer to storefront and curtainwall type sheets.
ADD-4	4-057	Where are the indicators that show which interior windows will receive Roller Shades?			Refer to the Architectural A6 Series drawings. They are noted on the Borrowed Light, Curtainwall, Interior Storefront and Storefront Types (elevation views). An example of this can be found on Curtainwall Type, CW14 on sheet A6-3-2.
ADD-4	4-058	Where are the indicators that show where the Vertical Louver Blinds?			Refer to the Architectural A6 Series drawings. They are noted on the Borrowed Light, Curtainwall, Interior Storefront and Storefront Types (elevation views). An example of this can be found on Curtainwall Type, CW24 on sheet A6-3-3.
ADD-4	4-059	Is 1% fabric to be considered the Black out fabric?			This was clarified in Addendum No 4.
ADD-4	4-060	Please confirm that Multipurpose Room is the only room with Motorized roller shades.			The scope of this section is shown on the "A6"series drawings. Refer to storefront and curtainwall type sheets.
ADD-4	4-061	Please advise who is the obligee on the 10% bid bond? Also do we have to use the bid bond form in the contract documents (see attached) as it says its an AIA Document 310? Please respond whether the standard 2010 AIA 310 bid bond form (attached) is acceptable or please submit as RFI whichever way you prefer to address it.			Morganti is the obligee for the bid bond. Use the one in the contract documents.
ADD-4	4-062	There is no specification for the type of locks they require. They call for Built in locks per the spec. Please supply specifications or manufacturer and model numbers for Built in locks on lockers.			Refer to Addendum No.4.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-063	The Item #s as shown on EQ 2.10 are Co-01, CO-2 and CO-08 vs CM-01,02 & 08 on 11 57 30 page 5 2.1. Which is correct?	EQ-2.10 Cosmetology		Refer to Addendum No.4.
ADD-4	4-064	Hairdressing Equipment Schedule on EQ 2.10 indicates that the Owner is providing and Installing Item CM-08 or CO-08.	EQ-2.10 Cosmetology		Refer to Addendum No.4.
ADD-4	4-065	Referring to detail 3/A6-3-15, who owns wood blockings, continuous metal sill with selant, 2.5" rigid inslation, membrane frlasing & 1/2" cover board?	3/A6-3-15		Wood blocking by drywall bid package, metal sill with sealant by window bid package. Rigid insulation, membrane flashing and cover board by roofer.
ADD-4	4-066	Referring to detail 15/A6-3-14, please clarify who owns wood blockings (under steel angle), membrane flashing & aluminum cladding.	15/A6-3-14		Wood blocking under steel angle for head of windows by Drywall subcontractor windows bid package. Wood blocking above angle by roofing bid package. Membrane flashing by roofer. Aluminum cladding by window bid package subcontractor.
ADD-4	4-067	Referring to detail 15/A6-3-14, please clarify if steel angle is pre-punched & distance between bolts. Who owns the nuts & bolts?	15/A6-3-14		See structural drawings for information. If diatanse is is not indicated provide two 1/2" diameter holes at 2' on center minimum. Pre-punch the holes. Refer to roofing, drywall, window and steel/precast bid package scopes of work. Nuts and bolts furnished by steel/precast bid package subcontractor in a timely manner to be installed by others. Both ends of nut and bolt assembly to be countersunk flush with blocking.
ADD-4	4-068	Metal Lockers: 5% of the Double Tier Standard Corridor lockers (Type A) is required, that is roughly 37 ADA Lockers. What is the architect considering an ADA Locker for Type A?		10 51 10 Metal Lockers	Refer to Addendum No.4.
ADD-4	4-069	Metal Lockers: 5% of the Single Tier Standard Lockers (Type B) is required, that is roughly 4 ADA Lockers What is the architect considering an ADA Locker for Type B?		10 51 10 Metal Lockers	Refer to Addendum No.4.
ADD-4	4-070	Metal Lockers: 5% of the Double Tier Athletic Lockers (Type C) is required, that is roughly 10 ADA Lockers. What is the architect considering an ADA locker for type C?		10 51 10 Metal Lockers	Refer to Addendum No.4.
ADD-4	4-071	Metal Lockers: 5% of the Single Tier Athletic Lockers (Type D) is required, that is roughly 7 ADA Lockers. What is the architect considering an ADA locker for type D?		10 51 10 Metal Lockers	Refer to Addendum No.4.
ADD-4	4-072	Metal Lockers: What type of Locks required?		10 51 10 Metal Lockers	Refer to Addendum No.4.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-073	Metal Lockers: Please confirm the base both Wooden and Concrete are by others, and there is no manufacturer's base required.		Bid Package No. 3 Concrete Bid Package No. 6 General Trades 10 51 10 Metal Lockers	Refer to Addendum No.3, Item ADD 3-040 for deletion of manufacture's base. Wood base as shown on detail 1/A4-2-1 is by General Trades, Bid Package No.6 Concrete base as shown on detail 2/A4-2-1 is by Concrete, Bid Package No.3.
ADD-4	4-074	Precast: Please confirm field weld plates and connection materials are black iron, to be touched up with cold-galvanized paint after welding "by erector".		Pre-cast	Precast specification 03 40 04 will be revised to indicate glvanized hardware plates. Touch-up of welds using a galvanizing repair paint will be specified.
ADD-4	4-075	Precast: Please confirm insulation and finish Types 1, 2 & 3 only apply to architectural precast scope.		Pre-cast	Structural precast is not insulated. See architectural drawings for exposed finish requirements.
ADD-4	4-076	No Structural Precast Wall Elevation drawing has been provided for the precast walls required to support the mezzanine precast hollow-core plank. <i>Please provide Wall Elevations complete with any required openings or special requirements for all structural precast walls.</i>	S1-1-ME S1-1-MF	Pre-cast	Additional wall elevations will be provided. Refer to Addendum No.4.
ADD-4	4-077	Precast Column Schedule - Column L.1 <i>Should this read M.1?</i>	S1-1-2E S1-1-2F S1-1-3E S2-1-4	Pre-cast	The column designation should read "M.1" to match plan locations.
ADD-4	4-078	Precast Column Schedule - Column V4 <i>Should this read V5?</i>	S1-1-2E S1-1-2F S1-1-3E S2-1-4	Pre-cast	Yes - The column schedule will be revised and reissued. Refer to Addendum No.4.
ADD-4	4-079	Precast Column Schedule - Column Z.7 <i>Should this read Z.6?</i>	S1-1-2E S1-1-2F S1-1-3E S2-1-4	Pre-cast	Yes - The column schedule will be revised and reissued. Refer to Addendum No.4.
ADD-4	4-080	Precast Column Schedule – It appears Column M3 is missing from schedule. <i>Please advise?</i>	S1-1-2E S1-1-2F S1-1-3E S2-1-4	Pre-cast	The column will be added to the revised schedule. Refer to Addendum No.4.
ADD-4	4-081	Precast Column Schedule has Columns AA.3/8, AA.3/9, BB/6, BB/8 stopping at the Auto Roof Level. <i>Should these columns extend to support the precast beams at the Roof Level?</i>	S1-1-2E S1-1-2F S1-1-3E S2-1-4	Pre-cast	Yes - The column schedule will be revised and reissued. Refer to Addendum No.4.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-082	Precast Column Schedule has Columns BB/4 & BB/5 stopping at the Mezzanine Level. <i>Should these columns extend to support the precast beams at the Roof Level?</i>	S1-1-2E S1-1-2F S1-1-3E S2-1-4	Pre-cast	Yes - The column schedule will be revised and reissued. Refer to Addendum No.4.
ADD-4	4-083	Precast Column Schedule has Column BB.2/2.9 extending to roof level but the adjacent column CC/2.9 stopping below the auto roof level. <i>Please advise if this is correct?</i>	S1-1-2E S1-1-2F S1-1-3E S2-1-4	Pre-cast	The column extends only to the auto roof level. The column schedule will be revised and reissued. Refer to Addendum No.4.
ADD-4	4-084	Precast Column Schedule has Column AA.8/2 stopping at the mezzanine level. <i>Should this column extend to the auto roof level?</i>	S1-1-2E S1-1-2F S1-1-3E S2-1-4	Pre-cast	Yes - The column schedule will be revised and reissued. Refer to Addendum No.4.
ADD-4	4-085	Precast Column Schedule has Columns J/5, J/7 & J/9 stopping at the mezzanine level. <i>Should these columns extend to the auto roof level?</i>	S1-1-2E S1-1-2F S1-1-3E S2-1-4	Pre-cast	Yes - The column schedule will be revised and reissued. Refer to Addendum No.4.
ADD-4	4-086	No Structural Precast Wall Elevation drawing has been provided for the West Wall of Stair #5 between grids '3' & '3.9'. <i>Please confirm that the portion of Wall Elevation below the Roof Precast Datum Elevation 130'-11" is part of the Structural Precast Scope, and the portion above the Precast Datum Elevation is part of the Architectural Precast Scope.</i>	S1-1-2E S1-1-3E	Pre-cast	Stair 5, Precast Panels: On drawing A3-4-1, these Architectural Pre-cast Panels are called out as V13/113 & V13A/113 and are elevated on Sheet A3-4-12. These panels are an integral part of the load carrying components of the structure. Addendum No.4 will be adding "PW" wall types to the Structural Drawings. This is being done to aid in coordination efforts between Architectural and Structural components.
ADD-4	4-087	No Structural Precast Wall Elevation drawing has been provided for the East Wall of Stair #5 between grids '3' & '3.9'. <i>Please confirm that the East end of the stair tower x full height of the tower is part of the Architectural Precast Scope.</i>	S1-1-2E S1-1-3E	Pre-cast	Stair 5, Precast Panels: On drawing A3-4-1, these Architectural Pre-cast Panels are called out as V23/61 & V23A/61 and are elevated on Sheet A3-4-15. These panels are an integral part of the load carrying components of the structure. Addendum No.4 will be adding "PW" wall types to the Structural Drawings. This is being done to aid in coordination efforts between Architectural and Structural components.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-088	No Structural Precast Wall Elevation drawing has been provided for the South Wall of Stair #5 - between Grids 'Z.6' & 'BB' <i>Please confirm that the portion of Wall Elevation below the Roof Precast Datum Elevation 130'-11" is part of the Structural Precast Scope, and the portion above the Precast Datum Elevation is part of the Architectural Precast Scope.</i>	S1-1-2E S1-1-3E	Pre-cast	Stair 5, Precast Panels: On drawing A3-4-1, these Architectural Pre-cast Panels are called out as V12A/143 & V12/143 and are elevated on Sheet A3-4-12. These panels are an integral part of the load carrying components of the structure. Addendum No.4 will be adding "PW" wall types to the Structural Drawings. This is being done to aid in coordination efforts between Architectural and Structural components.
ADD-4	4-089	No Structural Precast Wall Elevation drawing has been provided for the South Wall of Stair #5 - between Grid 'BB' and the East End of the Stair Tower. <i>Please confirm that the South Wall of the stair tower x full height of the tower between Grid 'BB' and the East End of the Stair Tower is part of the Architectural Precast Scope.</i>	S1-1-2E S1-1-3E	Pre-cast	Stair 5, Precast Panels: On drawing A3-4-1, this Architectural Pre-cast Panel is called out as V25/49 and is elevated on Sheet A3-4-15. This panels is an integral part of the load carrying components of the structure. Addendum No.4 will be adding a "PW" wall type to the Structural Drawings. This is being done to aid in coordination efforts between Architectural and Structural components.
ADD-4	4-090	Precast Wall Elevations "PW-106", "PW-107", "PW-117", "PW-118", & "PW119" show horizontal stacked wall panels up to 60 feet long with large openings that will compromise the structural integrity of the structural precast panel during fabrication, transportation & erection. <i>Please advise how to proceed.</i>	S2-3-1 S2-3-2	Pre-cast	The intent is that joints are to be minimized to provide a uniform surface when viewed in the corridors. Additional joints required for actual fabrication and shipping are acceptable but should be minimized. All details and practices to maintain a pleasing finish are expected. Joints are to be clearly indicated on submittals.
ADD-4	4-091	Precast Wall Elevation "PW-123" – North Wall of Stair #5 - between Grids 'Z.6' & 'BB' <i>Please confirm that the portion of Wall Elevation "PW-123" below the Roof Precast Datum Elevation 130'-11" is part of the Structural Precast Scope, and the portion above the Precast Datum Elevation is part of the Architectural Precast Scope.</i>	S2-3-2	Pre-cast	Stair 5, Precast Panels: On drawing A3-4-1, these Architectural Pre-cast Panels are called out as V27, V27A & V27B and are elevated on Sheet A3-4-16. They are also shown on drawing S2-3-2 wall elevation PW-123. Since these panels are an integral part of the load carrying components of the structure, they are shown on both Architectural and Structural drawings. Coordination to occur between Architectural and Structural components.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-092	Precast Wall Elevation "PW-123" – North Wall of Stair #5 - between Grid 'BB' and the East End of the Stair Tower. <i>Please confirm that the portion of Wall Elevation "PW-123" between grid 'BB' and the East end of the stair tower x full height of the tower is part of the Architectural Precast Scope.</i>	S2-3-2	Pre-cast	Stair 5, Precast Panels: On drawing A3-4-1, this Architectural Pre-cast Panel is called out as V26/49 and is elevated on Sheet A3-4-16. It is also shown on drawing S2-3-2 wall elevation PW-123. Since this panels is an integral part of the load carrying components of the structure, they are shown on both Architectural and Structural drawings. Coordination to occur between Architectural and Structural components.
ADD-4	4-093	Precast Wall Elevation "PW-124" shows horizontal stacked wall panels nearly 60 feet long with large openings that will compromise the structural integrity of the structural precast panel during fabrication, transportation & erection. <i>Please advise how to proceed.</i>	S2-3-2	Pre-cast	The intent is that joints are to be minimized to provide a uniform surface when viewed in the corridors. Additional joints required for actual fabrication and shipping are acceptable but should be minimized. All details and practices to maintain a pleasing finish are expected. Joints are to be clearly indicated on submittals.
ADD-4	4-094	Precast Beam Schedule – "PB-238" is not identified in the Precast Beam Schedule but is indicated on Structural drawing S1-1-2F, along grid 'X', between grids '2' & '2.9'. <i>Please advise.</i>	S2-4-1	Pre-cast	The beams will be added to the precast beam schedule. Refer to Addendum No.4.
ADD-4		Precast Beam Schedule – "PB-317" & "PB-318" are identified in the Precast Beam Schedule as Beam Type 'C'. Should these be Beam Type "A" for supporting anticipated future floor area. <i>Please advise.</i>	S2-4-1	Pre-cast	No. The beams should be Type "C" as shown. Refer to Addendum No.4.
ADD-4	4-095	Precast Wall Panels at Stair Tower – East End @ First Floor Level Only East End of Stair Tower #5 shows two (2) - 11" solid precast panels (approx. 2'-10" wide x 9' high) and two (2) - 11" insulated precast panels (approx. 5'-0" wide x 9'-0" high). These walls are not indicated on the structural precast wall elevation drawings and do not support any structural precast members. <i>Please confirm these walls are to part of the Architectural Precast Scope.</i>	A7-1-2	Pre-cast	Stair 5, Precast Panels: On drawing A3-4-1, these Architectural Pre-cast Panels are called out as V24A/34 and V24/60 and are elevated on Sheet A3-4-15. The wall elevation will be shown on the structural drawing. Refer to Addendum No.4. Since these panels are an integral part of the load carrying components of the structure, they are shown on both Architectural and Structural drawings. Coordination to occur between Architectural and Structural components.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-096	<p>Bid Package 24 Fire Stopping item 42 states "This bid package subcontractor shall provide ONLY top of wall fire stopping for the 1 hr and 2hr walls depicted on CD1-1 and CD1-2. Include all ladders, scaffolding and all other items needed to access the area to complete this work.". This work would fall under 078440 Fire resistive Joint Systems.</p> <p>Bidder Question Log – Addendum No. 1 item 1-15 "Please confirm Bid Package #24 is only responsible for 078410 Penetration Fire Stopping and not 078440 Fire resistive Joint Systems.", response states that "Correct BP#24 is responsible for 078410 and the scope of work of that bid package.". This conflicts with item 42 above.</p>			<p>Bid package #24 is solely responsible for the top of walls as noted within their scope. The general trades bid package owns 07 8440 fire resistive joint systems for the entire project per their scope of work.</p>
ADD-4	4-097	<p>Bid Package 06 General Trades item 63 states "This bid package subcontractor shall provide all the work required of 078410 paragraph 1.2.A.2,3,4. The fire stopping bid package subcontractor shall provide ONLY top of wall fire stopping for the 1 hr and 2hr walls depicted on CD1-1 and CD1-2. Provide all slab edge fire sating." Paragraphs 1.2.A.</p> <p>2.Gaps (openings) between exterior curtain walls and the outer perimeter edge of structural floor.</p> <p>3.Openings at each floor level in shafts or stairwells.</p> <p>4.Joints in rated walls and floors between similar and dissimilar construction materials.</p> <p>should fall under 078440 Fire resistive Joint Systems. This conflicts with Paragraph 1.2.B.1 which states "B.Related Work: The following items are not included in this Section and will be performed under the designated Sections: 1.Section 078440 - FIRE-RESISTIVE JOINT SYSTEMS for fire-resistive joint sealers."</p>			<p>Sealing smoke walls is owned by the drywall bid package subcontractor and mason bid packages subcontractor for their respective walls as per their scopes of work. General trades owns all fire resistive joint systems required by the contract documents. Other bid packages own their penetrations through the rated walls. Bid package #24 owns top of wall fire stopping as noted in their scope of work.</p>

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-098	<p>Bidder Question Log – Addendum No. 2 item 2-50 response confirms that each trade is responsible for their own penetrations, 078410 paragraph 1.2.A.1.</p> <p>Who is responsible for sealing the Smoke walls?</p> <p>Is the breakout above for each item correct? You have a Specialty Contractor for the top of wall for 1 and 2 hr walls and multiple Trade Contractors for the remaining Fire Stopping.</p>			Sealing smoke walls is owned by the drywall bid package subcontractor and mason bid packages subcontractor for their respective walls as per their scopes of work. General trades owns all fire resistive joint systems. Other trades own their penetrations through walls.
ADD-4	4-099	<p>Item# 48 in the Roofing Trade Bid Package Description requires FM Global sign off for the project. Please clarify if the owner will require FM uplift Testing on the roof. If so , who will pay for the testing fee?</p>			DAS 's Materials Testing vendor will perform the roof uplift testing and paid by DAS.
ADD-4	4-100	<p>Masonry bid Package Item 43 requires us to provide Smoke caulking at T.O.W. – Drawing A1-0-3 calls out for Acoustical Batt (See detail 5 & 6/A1-0-3)</p> <p>a.Does the mason own this?</p> <p>b.Also, who owns the TOW steel restraining Clips (F & I)?</p>			<p>Detail 5 and the acoustical batt along with any other acoustical batt above masonry walls is by the mason bid package.</p> <p>Detail 6 is a rated masonry wall, acoustical batt is not shown. All rated partitions 1, 2 and 3 hours, the top of wall fire stopping is owned by BP#24.</p> <p>Top of wall steel restraining clips are provided by BP#05 steel/precast.</p>
ADD-4	4-101	<p>Drawing S6-2-4 shows BB lintels over Doors with a reference to the Lintel Schedule in the Structural drawings</p> <p>a.Drawing S0-0-1 indicate a Loose Lintel Schedule and S0-0-2 shows details for ML-1 thru MS-4 Bond Beam CMU lintels but, do not give a Bond Beam Lintel Schedule.</p> <p>i.Please provide a Bond Beam CMU Lintel schedule or where on the drawings it can be found</p>			Refer to Addendum No.4 for Bond Beam Lintel Schedule
ADD-4	4-102	<p>Drawing A2-2-1, detail 5 shows SF frames 18 & 19. These frames however are not shown anywhere in the Storefront types. Please review and provide frames in SF types.</p>	A2-2-1 Aluminum Frames		<p>Frame types are shown Architectural drawing A6-3-6.</p> <p>Note that per Addendum No.3, Aluminum Frame Type SF18 was changed to CW44 and Type SF19 was changed to CW45.</p>
ADD-4	4-103	<p>Storefront 7 is called out on drawing A2-2-4. This frame is not shown in Storefront types. Review and provide frame in SF types.</p>			<p>Frame type is shown on Architectural drawing A6-3-5.</p> <p>Note that per Addendum No.3, Aluminum Frame Type SF7 has been changed to CW36.</p>
ADD-4	4-104	<p>Storefront 8 is called out on A2-2-5. Again, this frame is not shown anywhere in Storefront types. Review and provide frame in SF types</p>			<p>Frame type is shown on Architectural drawing A6-3-5.</p> <p>Note that per Addendum No.3, Aluminum Frame Type SF8 has been changed to CW37.</p>

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-105	Interior storefront frames ISF32,33,34,35 & 36 are shown on A2-2-6 but are not shown or listed in Interior SF types. Please review and provide these frames in ISF types.	Interior Storefront Frames		Interior Storefront frames ISF32,33,34,35 & 36 are actually Borrowed Light Frames. They are designated on floor plan A1-1-2B and shown of drawing A6-2-3 at types BL13, BL14,BL15, BL16 & BL17. Clarifications will be added to Addendum No.4.
ADD-4	4-106	A2-2-7 shows SF frames 18 & 19. Frames are not shown in SF types. Review and provide frame types	A2-2-7 Aluminum Frames		Frame types are shown Architectural drawing A6-3-6. Note that per Addendum No.3, Aluminum Frame Type SF18 was changed to CW44 and Type SF19 was changed to CW45.
ADD-4	4-107	Quartz Fabrication: We need a colour specified to provide pricing;			Refer to Addendum No.4.
ADD-4	4-108	Quartz Fabrication: The design details for the café counter are likely not doable – pg A9-1-2 section 15 – the bevel on the top and bottom edge will be impossible to do with a mitred return, I would recommend a square edge profile. The other concern is the bullnose on the angled portion – this would need to be two separate pieces and would recommend an eased edge as well. Would the customer be willing to accept some design changes?	15/A9-1-2		Refer to Addendum No.4.
ADD-4	4-109	There is a VAV-G tag (170/500 CFM) on the bottom-right hand corner of the drawing, but no exhaust duct nor exhaust VAV near this tag? Please advise if this is a carry over tag from a neighboring floor plan (M1-1-2C has a similar VAV near this match line) or if a VAV-G should be added to the plans near this area as well?	M1-1-2C M1-1-2D		The VAV tag on M1-1-2D is a duplication of the tag on M1-1-2C.
ADD-4	4-110	Who owns furnishing and installing the Plasma Cutter shown in the Plumbing shop, which the HVAC Contractor owns tying into with the 14" x 14" exhaust duct shown on M1-1-1E?	M1-1-1E		Refer to Addendum No.4, Item ADD 4-147.
Add-4	4-111	Would it be acceptable to dump the condensate from the Rooftop AHUs onto a splash block near each unit, or is it required to run condensate piping on the roof and dump at nearest roof drain?	HVAC		No, design criteria shall remain as shown / specified.
ADD-4	4-112	Does the Mezzanine qualify as a mechanical room for All piping in Mechanical /Boiler Room less than 10 feet above finished floor to get PVC Jacketing?	HVAC		Yes, refer to Addendum No. 4.
ADD-4	4-113	There are two piping details for the chillers on drawing M4-1-3. One has a 4" refrigerant relief and the other does not. On drawing M2-3-1A this refrigerant relief is shown for CH-2. There is a note that states "Refrigerant Relief pipe up through roof (typical of multiple pipes at each chiller). Please advise if there is one 4" Refrigerant relief for each chiller and not just CH-2.	M4-1-3		Refer to Addendum No. 4.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-114	Please clarify the OT that is being requested to be carried by the HVAC Contractor per HVAC Scope of Work #8? HVAC Contractor does not have any utility tie-ins to perform? Is there any specific parts of the project that are being requested to be performed during off hours?			Coordinate with utility companies prior to bid submission.
ADD-4	4-115	The 23 04 00 spec has demolition requirements within the specification? Please confirm that all demo related to the existing High School is to be performed by others on a separate contract, as no demo drawings were provided with the current set of drawings?		23 04 00	Agreed.
ADD-4	4-116	Radon Pipe Markers are spec'd in the Division 23 (HVAC) specifications, but piping is shown on Plumbing drawings? Please confirm that the plumber is responsible for furnishing and installing both the radon piping and the identification markers/tags?		23 05 00	YES the plumber owns all the work of the radon system required by the contract documents; including but not limited to markers/tags and all piping and work shown on the Sub slab depressurization piping drawings as require by their scope of work.
ADD-4	4-117	Since Victaulic (grooved) systems are an acceptable installation method per the specifications, please confirm that Victaulic valves (butterfly, etc.) will also be acceptable? Spec 23 05 29 does not list Victaulic Valves, but we are assuming they would be acceptable along with the Victaulic piping system, correct?		23 21 13 23 05 23	No, specifications remain as is.
ADD-4	4-118	Who owns filling the fuel oil tanks with fuel oil? Will this be by the owner?			Sub-contractor to fill once with oil.
ADD-4	4-119	Will gas be available to the HVAC Contractor for temporary heating purposes? If so, will it be available at multiple locations or just one location? Please identify where gas will be available?			Refer to HVAC scope of work.
ADD-4	4-120	Spec 23 33 03, paragraph 4.2.A states to "provide sound attenuators at all VAV and CV Boxes serving supply air AND where shown on the drawing." Please confirm that all Sound Attenuators are shown on the ductwork plans that are required for this project, or please update plans if additional sound attenuators are required so our sheet metal subs and sound attenuator vendors can provide accurate pricing for labor and material.		23 33 03	Refer to Addendum 4
ADD-4	4-121	Just to clarify amongst all bidding HVAC sheet metal subcontractors and insulation subcontractors, the first 10' of discharged ductwork after VAVs and FCUs should have 10" of 1" type D-3 duct lining (by sheet metal contractor) and also 1" of type D-1 exterior duct insulation (by insulation contractor), correct?	M4-1-4		Yes, the detail is correct.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-122	Are any of the HVAC equipment with cooling coils required to also have an auxiliary drain pan underneath the units other than AC-1~11? FCUs states in the schedule to provide with stainless steel drain pans, but not assure if this is regarding an internal condensate pan, rather than an additional secondary drain pan?	HVAC		At the Fan Coil Unit Schedule, the note regarding stainless steel drain pans is in reference to the primary drain pan. Fan coil units shall also be installed with a high water level alarm in the primary drain pan. Refer to Detail #4 on Drawing M5-1-3.
ADD-4	4-123	Which bid package owns the removal of the existing propane tank and associated piping?			These items will all be removed by the Owner or BP#01Demolition contractor.
ADD-4	4-124	Which bid package owns the removal of the oil waste manhole and associated piping?			These items will all be removed by the Owner or BP#01Demolition contractor.
ADD-4	4-125	Which bid package owns the removal of the fuel oil storage tanks and any associated piping?			These items will all be removed by the Owner or BP#01Demolition contractor.
ADD-4	4-126	Which bid package owns removal of the metal hydraulic lift?			These items will all be removed by the Owner or BP#01Demolition contractor.
ADD-4	4-127	Which bid package owns removal of the AC units spread out around the building?			These items will all be removed by the Owner or BP#01Demolition contractor.
ADD-4	4-128	096519 -Resilient Tile 2.3 Installation Materials, calls for Aquaflex Adhesive to be used under the Quartz Tile, can the manufactures adhesive be used in place of this materials?		09 65 19	Refer to Section 096519, Article 2.3, Paragraph B.
ADD-4	4-129	Bid Package No.5: Page 5; paragraph 15. – The requirement to verify field dimensions prior to fabrication will render the project schedule unattainable. Precast fabrication will begin prior to the completion of foundations. Industry practice is to fabricate the precast according to shop drawings. Foundations are to be provided (or modified if cast incorrectly) to conform to required dimensions.		Bid Package No.5	Agreed.
ADD-4	4-130	Drawing S1-1-2E indicates precast beam "PB-237", required along grid 'M', between grids '3' & '5'. The Precast Beam Schedule on drawing S2-4-1 does not include a precast beam at this location. <i>Please advise?</i>	S1-1-2E S2-4-1		The beam will be added to the Precast Beam Schedule. The requirements are similar to the "PB-209" on grid "M" between grids "5" and "7". Refer to Addendum No.4.
ADD-4	4-131	Drawing S1-1-ME does not indicate the type of precast concrete member required to support the precast concrete hollow-core plank, along grid '5', between grids 'W' & 'Y'. <i>Please advise?</i>	S1-1-ME		The framing plan will be revised to add a missing beam tag and in addition the beam will be added to the scheudle on drawing "S2-4-1. Refer to Addendum No.4.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-132	Page 1; paragraph 1.2.D. – Please confirm that the Inspection & Testing to be provided by the precast fabricator is the in-plant testing as required in accordance with the PCI Plant Certification Program. Any other Special Inspections, Field Testing or other Inspection of the structural precast work is to be performed by an independent testing laboratory employed by the Owner.		03 40 04 Structural Precast Concrete Systems	Paragraph 1.2D will be revised to reflect PCI Plant Certification. Special Inspections and added testing are employed by the owner. Refer to Addendum No.4.
ADD-4	4-133	Page 1; paragraph 1.2.I. – Please confirm that the supplier of the Architectural Precast Concrete is required to design and provide all embeds in the Structural precast concrete components for support and connection of Architectural precast panels.		03 40 04 Structural Precast Concrete Systems	This item will remain in the specification as the stair walls are require Architectural Precast Concrete.
ADD-4	4-134	Page 2; paragraph 1.4.D.8. – Please confirm the reference to PCI MNL-117 is not applicable to the scope of the Structural Precast specified in this section and that tolerances to be in conformance to PCI MNL-116.		03 40 04 Structural Precast Concrete Systems	This item will be revised in the specification. Refer to Addendum No.4.
ADD-4	4-135	Page 2; paragraph 1.4.D.10. – Structural precast concrete components are generally not U.L. Listed. Please delete the U.L. Listing requirement and specify design for fire resistance to be in accordance with PCI MNL 124 Rational Design for fire resistance?		03 40 04 Structural Precast Concrete Systems	The item will be revised and reference PCI Manual 124. Refer to Addendum No.4.
ADD-4	4-136	Page 2; paragraph 1.5.A.3. – Paragraph indicates design shall be based on “preliminary” design criteria and conditions provided on the Drawings and in the Specifications. <i>a. Please advise;</i> <i>i. When will final design criteria be provided?</i> <i>ii. If final design criteria are provided after the Bid is submitted how will the contract price be adjusted for any differences between the ‘preliminary’ design criteria and the ‘final’ design criteria?</i>		03 40 04 Structural Precast Concrete Systems	The word "preliminary" will be removed from the paragraph. Refer to Addendum No.4.
ADD-4	4-137	Page 3; paragraph 1.6.C. – similar to item 4) above. Please remove reference to U.L. (Underwriters Laboratories) Structural Precast concrete components are not U.L. Listed.		03 40 04 Structural Precast Concrete Systems	The paragraph will be revised to refer to the PCI Manual 124 and the Connecticut State Building Code. Refer to Addendum No.4.
ADD-4	4-138	Page 4; paragraph 1.7.B. – Please confirm that PCI Inspector certification is acceptable for testing and inspection requirements.		03 40 04 Structural Precast Concrete Systems	The PCI Plant Certification will be added. Refer to Addendum No.4.
ADD-4	4-139	Page 4; paragraph 1.7.C. – Please confirm Special Inspectors are by the owner.		03 40 04 Structural Precast Concrete Systems	Yes.
ADD-4	4-140	Page 5; paragraph 2.1.A.4. – Reference to Architectural cement in the Structural Precast specification is confusing. Please confirm no architectural cement is required in any of the structural precast concrete components.		03 40 04 Structural Precast Concrete Systems	It is to be determined by the bid package as to who is producing the structural walls with exposed architectural surface on Stair 5.

Addendum	Item	Question / Assumption	DWG REF in Question and/or Answer	SPEC REF in Question and/or Answer	RESPONSE
ADD-4	4-141	Page 5; paragraph 2.1.A.5. – Most structural precasters use more than one source of cement to assure continuous supply for fabrication. Please confirm that this is acceptable.		03 40 04 Structural Precast Concrete Systems	The requirement for a sole cement supplier will not be changed.
ADD-4	4-142	Page 5; paragraph 2.1.B.2. – Please advise which precast products require lightweight aggregate.		03 40 04 Structural Precast Concrete Systems	The lightweight aggregate item will be deleted. Refer to Addendum No.4.
ADD-4	4-143	Page 5; paragraph 2.1.E.7. – Please specify which connections receive each of these material/coating/finishes, as specified a., b., c. & d.		03 40 04 Structural Precast Concrete Systems	These finishes will be clarified in the specification. Refer to Addendum No.4.
ADD-4	4-144	Page 6; paragraph 2.1.H.4. – Please provide locations where expansion bearing pads are required.		03 40 04 Structural Precast Concrete Systems	The expansion bearing pads will be removed from the specification. Refer to Addendum No.4.
ADD-4	4-145	Page 6; paragraph 2.1.J. – Please confirm Structural Steel Wide Flanges are not part of the Structural Precast Concrete Scope and are part of the Structural Steel Scope.		03 40 04 Structural Precast Concrete Systems	This item will be deleted. Refer to Addendum No.4.
ADD-4	4-146	Page 6; paragraph 2.1.L. – The use of Halfen slotted inserts specified here and as shown at the bottom of double tee stems on Drawing S2-4-1 is not practical from a precast fabrication perspective. It also represents a significant potential safety hazard that is not normally present in typical double tee production. We recommend that alternative methods of fastening materials finishes, utilities, etc., to the double tees at the underside of the tee flanges be allowed.		03 40 04 Structural Precast Concrete Systems	This item will not be changed. Provide as detailed.
ADD-4	4-147	Page 7; paragraphs 2.2.C.2 & 2.2.C.4 – Please confirm Architectural Finishes are only required on the Architectural Precast Concrete.		03 40 04 Structural Precast Concrete Systems	This section will be revised. Refer to Addendum No.4.
ADD-4	4-148	Page 8; paragraph 3.3.G. – Please confirm the reference to PCI MNL-117 is not applicable to the scope of the Structural Precast specified in this section and that tolerances to be in conformance to PCI MNL-116.		03 40 04 Structural Precast Concrete Systems	This item will be revised to PCI Manual 116. Refer to Addendum No.4.
ADD-4	4-149	Page 9; paragraph 3.7 – Precast units to be delivered the jobsite in a ‘clean’ condition. Any soiling that occurs after delivery is to be cleaned by the trade responsible for the soiling. Any surface cleaning required for surface preparation for the application of subsequent materials, coatings or finishes is to be provided by the trade responsible for the material application. Final cleaning is by others, not the precast fabricator.		03 40 04 Structural Precast Concrete Systems	Final cleaning of precast units is by the Bid package #05 subcontractor refer to the scope of work. This paragraph will not be changed.

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ADD-4	4-150	Spec. Section 260533 1.4 D States In or under Slab on Grade : Rigid steel conduit with rigid steel conduit sweeps. Only allowed for panelboards feeders and where necessary to feed branch circuits to on grade millwork. May PVC conduit be used ?		26 05 33 Raceways & Boxes for Electrical Systems	Provide rigid steel conduit as specified.
ADD-4	4-151	Please indicate whether or not we need to include attic stock for ALL the flooring and tile materials. We did not see anything indicated in the specs or on the drawings.			Refer to Addendum No.4.
ADD-4	4-152	Drawing A4-1-4 Toilet Accessory Schedule GB1 36" bar, yet when scaled it scales out as a 42". What is the correct dimensions?.	A4-1-4		Refer to Addendum No.4.
ADD-4	4-153	Drawing A4-2-1, A108 Boys Locker room The plan has SC Shower/Curtain (which is in the spec's) but also has Curtain Rod. (which is not in the specs) Are this 2 different items or 1 in the same?	A4-2-1		Refer to Section 10 28 00, Article 2.2, Paragraph I.
ADD-4	4-154	Who is responsible for providing wiring for the Telecommunications and Security systems?	Technology		The Owner's vendor will install the low voltage wiring. The requirements for the infrastructure provided under the Contract are listed in the general notes on Dwg. E5-1-1
ADD-4	4-155	Please clarify field welding verse shop welding requirements for the steel precast bid package sub-contractor		Trade Bid Package No. 5 Structural Steel & Precast	The steel/precast bid package subcontractor shall provide field welding for any connections and for attachments of clips angles, continuous angles, bent plates, channels, structural and architectural precast connections between components etc.. to ensure that all building elements and components are properly aligned and assembled taking into account tolerance allowed by the project specifications for the structural steel, structural precast and architectural precast components and elements. It's the responsibility of the steel and precast bid package sub-contractor to determine whether field or shop welding may be necessary to deliver required construction quality.
ADD-4	4-156	Spec. Section 260533 1.4 D States In or under Slab on Grade : Rigid steel conduit with rigid steel conduit sweeps. Only allowed for panelboards feeders and where necessary to feed branch circuits to on grade millwork. May PVC conduit be used ?		26 05 33 Raceway & Boxes for Electrical Systems	Provide rigid steel conduit as specified.

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ADD-4	4-157	Window bid package #08, item #58 within the scope of work requires the window bid package subcontractor to install nuts and bolts and provide blocking. Is this correct, it disagrees with window bid package scope item #46. Advise.			Scope clarification - The drywall bid package subcontractor #09 shall install the nuts and bolts referenced, NOT the window bid package subcontractor. The drywall bid package subcontractor shall also provide all the fire treated blocking noted in note #58, not the window bid package subcontractor.