



To: Prospective Bidders
From: Wold Architects and Engineers
Date: June 25, 2019
Comm. No: 193033

Subject: Addendum No. 1 for Bidding Documents for the Administration Building
Exterior Reclad and Window Replacement

BIDS DUE JULY 1, 2019 AT 1:00 P.M.

*****NOTE CHANGE OF BID TIME*****

This addendum forms a part of the Contract Documents dated June 14, 2019. Acknowledge receipt of this Addendum on the space provided on the Bid Form. Failure to do so may result in disqualification of Bid.

This Addendum consists of two (2) typed sheets and attachments:

Specification Sections: 00 01 01 Project Identification Page, 00 11 13 Advertisement for Bids, 01 21 13 Allowances, 07 42 16 Insulated Core Metal Wall Panels, 08 51 13 Aluminum Windows, 08 80 00 Glazing, 10 14 00 Signage

Drawings Sheets: Sheet A2.01 – Floor Plans, Sheet A2.11 – Roof Plan and Details, Sheet A2.91 – Door/Frame/Window Types, Symbols and Abbreviations, Sheet A5.01 – Demolition Elevations, Sheet A5.02 – Demolition Elevations, Sheet A5.11 – Exterior Elevations, Sheet A5.12 – Exterior Elevations, Sheet A5.51 – Details and Sheet A5.52 - Details

PROJECT MANUAL

- 1. SECTION 00 01 01 – PROJECT IDENTIFICATION PAGE**
 - A. Reissued this Addendum to reflect change in Bid Time.
- 2. SECTION 00 11 13 – ADVERTISEMENT FOR BIDS**
 - A. Reissued this Addendum to reflect change in Bid Time.
- 3. SECTION 01 21 13 – ALLOWANCES**
 - A. Reissued this Addendum to revise add Allowance #3.
- 4. SECTION 07 42 16 – INSULATED CORE METAL WALL PANELS**
 - A. Reissued this Addendum to revise metal panel colors.
- 5. SECTION 08 51 13 – ALUMINUM WINDOWS**
 - A. Reissued this Addendum to revise aluminum window color.
- 6. SECTION 08 80 00 – GLAZING**



- A. Reissued this Addendum to add fire rated glazing and spandrel glazing.
- 7. **SECTION 10 14 00 – SIGNAGE**
 - A. Issued this Addendum.

DRAWINGS

- 1. **SHEET A2.01 – FLOOR PLANS**
 - A. Reissued this Addendum.
- 2. **SHEET A2.11 – ROOF PLAN AND DETAILS**
 - A. Reissued this Addendum.
- 3. **SHEET A2.91 – DOOR/FRAME/WINDOW TYPES, SYMBOLS AND ABBREVIATIONS**
 - A. Reissued this Addendum.
- 4. **SHEET A5.01 – DEMOLITION ELEVATIONS**
 - A. Reissued this Addendum.
- 5. **SHEET A5.02 – DEMOLITION ELEVATIONS**
 - A. Reissued this Addendum.
- 6. **SHEET A5.11 – EXTERIOR ELEVATIONS**
 - A. Reissued this Addendum.
- 7. **SHEET A5.12 – EXTERIOR ELEVATIONS**
 - A. Reissued this Addendum.
- 8. **SHEET A5.51 – DETAILS**
 - A. Reissued this Addendum.
- 9. **SHEET A5.52 – DETAILS**
 - A. Reissued this Addendum.

END OF ADDENDUM #1

SECTION 00 01 01

PROJECT IDENTIFICATION PAGE

PROJECT MANUAL

PROJECT IDENTIFICATION

BIDDING REQUIREMENTS

CONDITIONS OF THE CONTRACT

GENERAL REQUIREMENTS

AND SPECIFICATIONS FOR:

**SCOTT COUNTY ADMINISTRATION BUILDING
EXTERIOR RECLAD AND WINDOW REPLACEMENT**

**600 WEST FOURTH STREET
DAVENPORT, IOWA 52801**

SCOTT COUNTY
DAVENPORT, IOWA 52801

Bid Time: ~~9:00 am~~ 1:00 pm

Bid Date: July 1, 2017

Bid Place: Scott County Conference Room 638
 600 West Fourth Street
 Davenport, Iowa 52801-1030

**SECTION 00 11 13
ADVERTISEMENT FOR BIDS**

**SCOTT COUNTY ADMINISTRATION BUILDING
EXTERIOR RECLAD AND WINDOW REPLACEMENT
600 WEST FOURTH STREET
DAVENPORT, IOWA 52801**

Scott County will receive single prime sealed bids for Scott County Administration Building Exterior Reclad and Window Replacement project until ~~9:00 a.m.~~ **1:00 p.m.** local time on July 1, 2019 at the Scott County Administrative Center Reception Desk, 6th floor. All bids received after the above stipulated closing time for receipt of bids will be returned to the bidder unopened. All bids received in accordance with these guidelines will be publicly opened and read aloud in Conference Room 638, 6th floor, 600 West Fourth Street, Davenport, Iowa 52801. Prospective Bidders are required prior to the bid opening, by the Owner to register as an online vendor with Public Purchase at www.publicpurchase.com. Registration is at no cost to the vendor, however Public Purchase has several levels of membership and vendors may choose to subscribe to a plan that requires a subscription cost. Any cost that a vendor incurs for registration will be at their sole discretion and responsibility.

Bidding documents, including the Proposal Form, Drawings and Specifications, will be provided to the following:

Construction Data Company (ConstructConnect)	(800) 652-0008	www.cdnews.com
Construction Market Data (ConstructConnect)	(800) 424-3996	www.cmdgroup.com
Dodge Data & Analytics	(877) 784-9556	www.construction.com
Greater Peoria Contractors & Suppliers Association	(309) 692-5710	www.gpcsa.org
iSqFt (ConstructConnect)	(800) 364-2059	www.isqft.com
Master Builders of Iowa	(800) 362-2578	www.mbionline.com
Northern Illinois Building Contractors Association	(815) 229-5636	www.nibca.build

This project includes: Selective demolition, new exterior façade installation, window replacement, roof coping and patching, tuckpointing, and minor interior patching and painting.

American Reprographics Company (ARC), 640 North LaSalle Drive, Chicago, Illinois, 60654, phone (312) 372-8600 and fax (312) 337-2810, will provide complete electronic sets of the Bidding Documents to prospective bidders and subcontractors. Electronic documents are available for free download to Contractors at the ARC planwell - <http://www.e-arc.com/il/chicago/northlasalle>. Electronic Documents are available in the ARC planwell after site registration. The copies will be available about June 14, 2019. Hard copies printed by the Contractor from electronic downloads will be at the Contractor's expense. Printed hard copies can be made available from ARC for a refundable deposit check in the amount of \$100.00 made out to "Scott County" for each set ordered. The following information must accompany the deposit: Company name, mailing address, street address, phone number, email address and type of bidder (i.e. General, Mechanical or Electrical Subcontractor to General, or other). All prints will be delivered through UPS Ground. Refunds will be given upon return of the full set of documents within fourteen days after award of the project. Documents must be returned to ARC (American Reprographics Company) in a reusable condition or the deposit shall be forfeited.

A mandatory pre-bid meeting will be held on Wednesday, June 19, 2017 at 10:00 a.m. beginning at the Scott County Administration Building Lobby, 600 W Fourth Street. The Project Architect will be on site for this meeting.

Make proposals on the bid forms supplied in the Project Manual. No oral, telegraphic or telephonic proposals or modifications will be considered. Submit with each bid, a certified check or acceptable bidder's bond payable to Scott County in an amount equal to ten percent (10%) of the total bid. The successful bidder will be required to furnish satisfactory Labor and Material Payment Bond, and Performance Bond.

Bids may not be withdrawn within forty-five (45) days after the scheduled time of opening bids, without the consent of the Owner. The Owner reserves the right to accept any bid or to reject any or all bids, or parts of such bids, and waive informalities or irregularities in bidding.

The Owner requires Substantial Completion of the project on or before November 15, ~~2018~~ **2019**.

Scott County reserves the right to reject any and / or all bids. Further, Scott County reserves the right to resolicit and/or re-bid this project at any time in the future.

Scott County
COUNTY BOARD

SECTION 01 21 00

ALLOWANCES

PART 1: GENERAL

1.01 SUMMARY

- A. This Section includes administrative and procedural requirements governing allowances.
 - 1. Certain materials and / or labor are specified in the Contract Documents by lump sum allowances. In some cases, these allowances include installation. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and / or labor to a later date when additional information is available for evaluation.

1.02 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. The Architect will issue a Proposal Request for pricing on each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

PART TWO: PRODUCTS (Not Applicable)

PART THREE: EXECUTION

3.01 SCHEDULE OF ALLOWANCES

- A. Allowance No. 1: Include the sum of ~~\$18,000~~ **\$10,000** for the additional patching and repair of interior surfaces and finishes beyond what is shown in the Drawings.
- B. Allowance No. 2: Include the cost of \$32,000 for the additional need for removal and replacement of existing metal framing at bulkheads, columns, and walls beyond what is shown on the Drawings.
- C. *Allowance No. 3: Include the cost of \$7,500 for window testing as outlined in the Specifications.*

END OF SECTION 01 21 00

SECTION 07 42 16

INSULATED CORE METAL WALL PANELS

PART 1 - GENERAL

1.01 DESCRIPTION:

- A. Furnish and install metal wall panel system and accessories as indicated on the Drawings and as specified. The work includes, but is not necessarily limited to:
 - 1. Removal of existing metal wall panel system.
 - 2. Foamed-insulation-core vertical metal wall panel assembly, with related metal trim and accessories.
- B. Alternate Bids:
 - 1. Alternate A2: 10 Year wall panel system warranty as specified herein.
 - 2. Alternate A3: Custom exterior panel color as specified herein.

1.02 RELATED REQUIREMENTS

- A. Section 02 41 19: Selective demolition requirements
- B. Section 07 51 15: Membrane roof alterations in conjunction with wall panel replacement
- C. Section 07 62 13: sheet metal copings, flashings, counter-flashings and roof drainage items not specified in this Section.
- D. Division 07 92 00: Sealants, other than specified herein.

1.03 REFERENCES

- A. American Architectural Manufacturer's Association (AAMA):
 - 1. AAMA 501.2 - Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtainwalls and Sloped Glazing Systems.
 - 2. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum.
 - 3. AAMA 621 - Voluntary Specification for High Performance Organic coatings on Coil Coated Architectural Hot Dipped Galvanized (HDG) and Zinc-Aluminum Coated Steel Substrates.
 - 4. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.
- B. American Society of Civil Engineers (ASCE):
 - 1. ASCE 7-05 - Minimum Design Loads for Buildings and Other Structures.
- C. ASTM International (ASTM):
 - 1. ASTM A 653 - Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 - 2. ASTM A 755 - Specification for Steel Sheet, Metallic Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products.
 - 3. ASTM C 920 - Specification for Elastomeric Joint Sealants.

4. ASTM C 1363 - Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus.
 5. ASTM E 72 - Standard Test Methods of Conducting Strength Tests of Panels for Building Construction.
 6. ASTM E 84 - Test Methods for Surface Burning Characteristics of Building Materials.
 7. ASTM E 119 - Test Methods for Fire Tests of Building Construction and Materials.
 8. ASTM E 283 - Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors under Specified Pressure Differences across the Specimen.
 9. ASTM E 330 - Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
 10. ASTM E 331 - Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- D. Factory Mutual Global (FMG):
1. ANSI/FMG 4880 Standard for Evaluating Insulated Wall & Roof/Ceiling Assemblies.
- E. Sheet Metal and Air Conditioning Contractors National Association, Inc. (SMACNA):
1. Architectural Sheet Metal Manual.
- F. Underwriters Laboratories, Inc. (UL):
1. UL 263 - Fire Tests of Building Construction and Materials.
 2. UL 723 - Test for Surface Burning Characteristics of Building Materials.
 3. Fire Resistance Directory.

1.04.1 PERFORMANCE REQUIREMENTS

- A. General: Design, fabricate and install metal wall panel system to meet the following performance requirements.
- B. Air Infiltration:
1. Maximum 0.03 cfm/sq. ft. (0.3 L/s per sq. m) per ASTM E 283 at a static-air-pressure difference of 1.56 lbf/sq. ft. (100 Pa), as determined by application of specified tests by a qualified testing agency on manufacturer's standard assemblies.
- C. Water Penetration, Static Pressure: No uncontrolled water penetration per ASTM E 331 at a minimum static differential pressure of 10 lbf/sq. ft. (479 Pa).
- D. Structural Performance: Conform to IBC 2015 and ASCE 7-05
1. Wind Loads: Determine loads based on importance factor, exposure category, and basic wind speed
 - a. Use/Category: Assembly/Category III
 - b. Iw: 1.15
 - c. Exposure: C
 - d. V_{3s} 90 MPH
 2. Deflection Limits: Withstand test pressures of 150 percent of inward and outward wind-load design pressures with maximum deflection of 1/180 of the span with no evidence of failure.
 3. Thermal stress: withstand combined wind and thermal stress. Base thermal stress on orientation, and solar insolation at the project location, with ambient air temperatures of 110 deg F exterior/70

deg F interior (summer) and -10 deg F exterior/70 deg F interior (winter), and dark Brown or Dark Bronze exterior color.

- E. System performance: A 3rd party test report utilizing the standard ASTM E 283, E 331 and AAMA 501 procedures following the test protocol described in AAMA 508-07. Test panel must include a horizontal joint, with an imperfect air barrier.
- F. Thermal Movements: Allow for thermal movements from variations in both ambient and internal temperatures and solar insolation. Accommodate movement of support structure caused by thermal expansion and contraction.
- G. Thermal Performance: Thermal-resistance (R) value indicated, per ASTM C 1363, corrected to 15 mph wind outside and still air inside.
- H. Weather, Air and Vapor Control:
 - 1. Wall panel system shall provide an effective air barrier between exterior and interior space.
 - 2. Wall panel system shall provide an effective vapor barrier at the interior (warm-in-winter) side of the panel system.
 - 3. Wall panel system shall provide an effective thermal barrier between exterior and interior space.
 - 4. Wall panel system shall be installed so as to integrate the weather, air and vapor control with adjacent construction to maintain the integrity of the building envelope.

1.05 QUALITY ASSURANCE

- A. Manufacturer/Source: Provide metal wall panel assembly and accessories from a single manufacturer.
- B. Installer Qualifications: Experienced Installer certified by system manufacturer with minimum of five years experience with successfully completed projects of a similar nature and scope.
- C. Installer's Field Supervisor Qualification: Experienced mechanic certified by system manufacturer, supervising work on site whenever work is underway.
- D. Preconstruction Field-Adhesion Testing: Before installing sealants, field test their adhesion to Project joint substrates in accordance with sealant manufacturer's recommendations. Document test results.
- E. Fire Performance Characteristics: Provide metal wall systems with the following fire-test characteristics determined by indicated test standard as applied by UL or other testing and inspection agency acceptable to authorities having jurisdiction.
 - 1. Provide metal composite wall system that complies with the performance requirements of Chapter 26 Plastic of the 2015 IBC.

1.06 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Conduct preinstallation meeting at site attended by Owner, Architect, manufacturer's technical representative, and other trade contractors.
 - 1. Coordinate building framing in relation to metal wall panel system.
 - 2. Coordinate window, door, and other openings and penetrations of metal wall panel system.

1.07 SUBMITTALS

- A. Product Data:
 - 1. Manufacturer's data sheets for products, fasteners, sealants and accessories .
 - 2. Product Test Reports: Indicating compliance of products with requirements, from a qualified independent testing agency.
- B. Shop Drawings: Provide shop drawings prepared by manufacturer or manufacturer's authorized dealer. Include full elevations showing openings and penetrations. Provide details at a minimum scale 1-1/2-inch per foot.
 - 1. Include details of each condition of installation and attachment and of all required trim and extrusions needed for a complete installation.
 - 2. Include data indicating compliance with performance requirements.
 - 3. Indicate type and spacing of fasteners and attachment devices
 - 4. Indicate location and type of factory- and field-applied sealants
 - 5. Indicate points of supporting structure that must coordinate with metal wall panel system installation.
- C. Calculations: wind loads; panel moment and fastener loads for combined wind and thermal stress, verification that panels and fasteners comply are sufficient for loading. Drawings and Calculations to be stamped and signed by licensed engineer in the State of Iowa.
- D. Samples for Initial Selection: For each product specified including sealants and gaskets. Provide representative color charts of manufacturer's full range of colors.
- E. Samples for Verification: Provide 12-inch- (305 mm-) long section of metal wall panel showing finishes, vertical joint return, injected core material, and anchoring details. Provide 12-inch- (305 mm-) long pieces of each extruded aluminum trim and gaskets.
- F. Qualification Information: For Installer firm and Installer's field supervisor.

1.08 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.09 DELIVERY, STORAGE, AND HANDLING

- A. Protect products of metal wall panel system during shipping, handling, and storage to prevent staining, denting, deterioration of components or other damage.
 - 1. Deliver, unload, store, and erect metal wall panel system and accessory items without misshaping panels or exposing panels to surface damage from weather or construction operations.
 - 2. Store in accordance with Manufacturer's written instruction.
 - 3. Shield foam insulated metal wall panels from direct sunlight until installation.

1.10 WARRANTY

- A. Manufacturer's Warranty:
 - 1. Warrant wall panel system weathertight performance for a period of 10 years from Substantial Completion., without financial limitation.

- B. Manufacturer's Panel Finish Warranty: On manufacturer's standard form, in which manufacturer agrees to repair or replace wall panels that evidence deterioration of finish within 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design: **CENTRIA, Formawall Insulated Core Metal Wall Panels (FWDS), 2-1/2" thickness.**
 - 1. CENTRIA Architectural Systems; Moon Township, PA 15108-2944. Tel: (800)759-7474. Local contact: Rex Sanders, tel:312-206-4221
- B. Provide Basis-of-Design product or approved equal product of one of the following manufacturer's, subject to compliance with all specified requirements.
 - 1. Metlspan
 - 2. MBCI

2.02 MATERIALS

- A. Metallic Coated Steel Sheet: Zinc-Coated (Galvanized) Steel Sheet ASTM A 653/A 653M, Grade 37, G90, structural quality coil coated per ASTM A 755/A755M.
- B. Face Sheet Coil-Coated Finish:
 - 1. Fluoropolymer Two-Coat System: 0.2-mil primer with 0.8-mil 70 percent PVDF fluoropolymer color coat, AAMA 621, CENTRIA Fluorofinish or equal of other specified manufacturer.
- C. Interior Face Sheet Coil-Coated Finish System: 0.2 mil primer with 0.6 mil acrylic color coat.
- D. Foamed-Insulation Core: Closed cell, halogen free, isocyanurate foam using a non-CFC blowing agent, foamed-in-place type.

2.03 FOAMED INSULATION-CORE METAL WALL PANELS

- A. Concealed Fastener, Halogen-free, Foamed-Insulation-Core Metal Wall Panels: Factory-foamed horizontal wall panel system consisting of an exterior metal face sheet with interior metal liner panel forming a thermally separated profile, bonded to factory foamed-in-place core, and with factory sealed tongue-and-groove and rainscreen-designed pressure-equalized horizontal side joint, configured with weep-hole-vented chamber to maintain equalized atmospheric pressure reducing potential for moisture drive into wall assembly, attached to supports using concealed fasteners.
 - 1. Exterior Face Sheet:
 - a. Metal Thickness: 0.030 inch/22 gage .
 - b. Surface: Metal Panel #1 "Smooth" FWDS and Metal Panel #2 "Ribbed" DS60
 - c. Color:
 - 1) Custom colors to match Centria #9960 XL "Medium Gray", #9951 "Champagne Pearl" and #200 "~~Deep Blue Sea~~".
 - 2) See Drawings for color locations.
 - 2. Interior Face Sheet:
 - a. Thickness: 0.030 inch/22 gage
 - b. Surface: Planked.

- c. Color: White
- 3. Panel Width: See Drawings for sizing.
- 4. Panel Thickness: 2.5 inch, minimum.
- 5. Thermal Resistance (R) Value, per ASTM C 1363: R-17, or greater.
- 6. Factory applied panel sealant/vapor seal: non-curing butyl.
- 7. Provide metered corner panels as detailed.

2.04 METAL WALL PANEL ACCESSORIES

- A. Metal Wall Panel Accessories, General: Provide complete metal wall panel assembly incorporating trim, copings, fasciae, parapet caps, soffits, sills, inside and outside corners, and miscellaneous flashings. Provide manufacturer's factory-formed clips, shims, flashings, gaskets, lap tapes, closure strips, and caps for a complete installation. Fabricate and install accessories in accordance with SMACNA Manual. Finish of exposed trim and accessories shall match panel finish.
- B. Formed Flashing and Trim: Match material, thickness, and finish of metal wall panel face sheets.
 - 1. Base trim and drip flashing
 - 2. Coping and cap flashing.
 - 3. Other conditions as indicated on the Drawings or required for complete installation,
- C. Extrusion Trim: Provide manufacturer-provided extruded trim with finish matching panels for the following locations and as indicated on Drawings:
 - 1. Corner trim and closures.
 - 2. Panel installation perimeter.
 - 3. Opening perimeters.
- D. Sealants: Type recommended by metal wall panel system manufacturer for application, meeting requirements of Section 07 62 00 Joint Sealants.
- E. Flashing Tape: 4-inch wide self-adhering butyl flashing tape.
- F. End Joints: Shall consist of an integrated, insulated metal vertical joint (IMV). The Insulated Metal Vertical Joint shall be recessed 1-3/16" deep and be 5/8" wide. The Insulated Metal Vertical Joint should not add exterior sightlines, contain exposed metal edges or exposed wet seals. The Insulated Metal Vertical Joint shall be constructed of an EPDM Foam Block adhered to a metal face of the same material, gage and color as the face of the adjacent panel.
- G. Panel Clips: Concealed G-90 galvanized steel clip configured to prevent overdriving of fastener and crushing of foam core, with panel fasteners engaging both face and liner elements and mechanically attaching to panel supports. Clip configured also to be utilized without removing significant portions of the foam at each clip location.
- H. Fasteners: Self-tapping screws, bolts, nuts, and other acceptable fasteners recommended by panel manufacturer. Where exposed fasteners cannot be avoided, supply corrosion-resistant fasteners with heads matching color of metal wall panels by means factory-applied coating.

PART 3 - EXECUTION

3.01 INSTALLATION OF WALL PANELS

- A. Protect existing building interior and exterior construction from damage by wind, water construction activity and other hazards.
- B. Provide temporary weathertight closure of exterior building envelope at the end of every day's work.
- C. Maintain supply of materials for temporary enclosure on site in the event of unexpected change in weather conditions. Maintain wet-vacs and other clean-up equipment on site in the event of unexpected water penetration

3.02 COORDINATION:

- A. Coordinate installation of wall panels with related work.
- B. Coordinate cutting and patching of existing roofs with relevant trades.
- C. Coordinate removal of existing windows and installation of new with relevant trades.

3.03 EXAMINATION

- A. Examine metal wall panel system substrate with Installer present. Inspect for erection tolerances and other conditions that would adversely affect installation of metal wall panels.
- B. Framing: Inspect framing that will support metal wall panels to determine if support components are installed as indicated on approved shop drawings. Confirm presence of acceptable framing members at recommended spacing to match installation requirements of metal wall panels.
- C. Panel Support Tolerances: Confirm that panel supports are within tolerances acceptable to insulated metal wall panel system manufacturer but not greater than the following:
 - 1. 3/8 inch (9.5 mm) in any 20 foot (610 cm) in any direction.
 - 2. 3/4 inch (19 mm) over any single wall plane.
- D. Openings: Verify that window, door, louver and other penetrations match layout on shop drawings.
- E. Correct out-of-tolerance work and other deficient conditions prior to proceeding with metal wall panel system installation.

3.04 METAL WALL PANEL SYSTEM INSTALLATION

- A. General: Install metal wall panel system in accordance with approved shop drawings and manufacturer's recommendations. Install metal wall panels in orientation, sizes, and locations indicated. Anchor metal wall panels and other components securely in place. Provide for thermal and structural movement
- B. Attach panels to metal framing using recommended clips, screws, fasteners, sealants, and adhesives indicated on approved shop drawings.
 - 1. Apply elastomeric sealant continuously between metal base channel (sill angle) and concrete, and elsewhere as indicated or, if not indicated, as approved by manufacturer.
 - 2. Fasten metal wall panels to supports with concealed clips at each joint at location, spacing, and with fasteners recommended by manufacturer. Install clips to supports with self-tapping fasteners.
 - 3. Provide weatherproof escutcheons for pipe and conduit penetrating exterior walls.

4. Dissimilar Materials: Where elements of metal wall panel system will come into contact with dissimilar materials, treat faces and edges in contact with dissimilar materials as recommended by manufacturer.
- C. Joint Sealers: Install joint fillers and sealants where indicated and where required for weatherproof performance of metal wall panel assemblies.
1. Seal wall system to create primary air and weather barrier between exterior and interior space, and to integrate barriers with adjacent roof construction.
 2. Seal wall system to create primary vapor barrier at interior (warm-in-winter) side of insulated panel assembly, to integrate the vapor barrier with adjacent roof construction.
 3. Seal panel end utilizing 2 beads of non-curing butyl; apply continuously without gaps to complete panel system air barrier.
 4. Seal metal wall panel end laps to supports or back-up flashing sealant, full width of panel. Seal side joints where recommended by metal wall panel manufacturer.
 5. Prepare joints and apply sealants per sealant manufacturer's recommendations.
 6. Fill gaps at corners and penetrations with foamed-in-place spray polyurethane foam sealant or other sealant recommended by panel manufacturer.

3.05 ACCESSORY INSTALLATION

- A. General: Install metal wall panel accessories with positive anchorage to building and weathertight mounting and provide for thermal expansion. Coordinate installation with flashings and other components.
1. Install related flashings and sheet metal trim per requirements of Section 07 62 00.
 2. Install components required for a complete metal wall panel assembly, including trim, copings, corners, flashings, sealants, gaskets, fillers, closure strips, and similar items.
 3. Comply with performance requirements and manufacturer's written installation instructions.
 4. Provide concealed fasteners except where noted on approved shop drawings.
 5. Set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently watertight and weather resistant.

3.06 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage an independent testing and inspecting agency to perform field tests:
1. Field test of Water Penetration – Static Pressure will be conducted on one or more portions of completed wall system as selected by the Architect.
 2. Minimum static pressure for successful test shall be not less than 2/3 of the specified minimum performance value.
 3. Costs of successful tests shall be paid by the Owner. Costs of unsuccessful tests shall be paid by the Contractor.
- B. Manufacturer's Field Service: Engage a service representative authorized by metal wall panel manufacturer to inspect completed installation. Submit written report.
- C. Contractor: Correct deficiencies noted in reports.

3.07 CLEANING AND PROTECTION

- A. Remove temporary protective films. Clean finished surfaces as recommended by metal wall panel manufacturer. Clear weep holes and drainage channels of obstructions, dirt, and sealant. Maintain in a clean condition during construction.
- B. Replace damaged panels and accessories that cannot be repaired by field repair.

END OF SECTION

SECTION 08 51 13

ALUMINUM WINDOWS

PART 1: GENERAL

1.01 SUMMARY

A. Section Includes:

1. Aluminum windows noted "W-#" on drawings.
2. Glass
3. Joint sealants in contact with aluminum components.
4. Sealing of the cavity wall at openings in exterior wall.
5. Prior to installation of finished materials, all flexible flashings shall be observed by the Architect. The Architect shall be given a minimum of 72 hours notice prior to the desired observation time. Any finish materials (i.e., brick, insulation, metal, etc.) installed without observation by the Architect shall be removed and replaced at the Contractor's expense.
6. Contractor shall carry an allowance of \$7,500 for window testing in the bid. Windows shall be field tested in accordance with AAMA 502, "Voluntary Specification for Field Testing of Windows and Sliding Glass Doors," using Test Method A.

1.02 PERFORMANCE REQUIREMENTS

- A. Exterior Assemblies: Design and fabricate to comply with the performance characteristics listed below.
- B. Thermal Movement: Allow for expansion and contraction resulting from ambient temperature range of 120 degrees F (49 degrees C).
- C. Provide capacity to withstand the following loads without deformation and without deflection greater than L/175 to spans up to 13'-6" and L/240 + 1/4" to spans greater than 13'-6" with the following Wind Load Provision of ANSI/ASCE 7:
1. Basic Wind Speed V = 120 mph
 2. Exposure Category = B
 3. Importance Factor: I = 1.0
 4. Occupancy Category = 3
 5. Mean Roof Height = 70'-0"
- D. Condensation Resistance: Where framing systems are "thermal-break" construction, provide units tested for thermal performance in accordance with NFRC 500 showing condensation resistance (CPF) of not less than: 71 for fixed windows.
- E. Thermal Transmittance: Provide framing systems which have an overall U-value (Btu/hr. x sq.ft. x deg. F) at 15 mph exterior wind velocity of not more than values shown in the table below when tested in accordance with NFRC 100 with specified glazing.

Fixed (NFRC Gateway Size of 47" x 59")

Climate Zone	
5	
0.38	

F. Air Infiltration Rate

1. Fixed, Projected and Fixed Windows not be more than 0.06 cfm per sq. ft. of window area for an inward test pressure of 6.24 lbf per sq. ft., when tested in accordance with ASTM E 283.

G. Water Penetration: There will be not water penetration, as defined in ASTM E 331, when tested in accordance with ASTM E 331 at an inward test pressure of 12.00 lb per sq. ft.

1.03 SUBMITTALS

A. Submit in accordance with Section 01 33 00.

1. Shop Drawings: Submit to the Architect for review, prior to fabrication. Indicate installation details, materials used, quantity and size required. Shops drawings to include sizing, type, and locations of all anchors based on specified wind load. Shop drawings to be stamped by a registered professional engineer (PE) after a structural review to assure installation meets specified wind load.

NOTE: The following manufacturers structural reviewed shop drawings are approved to be submitted without a P.E. Stamp: EFCO Corporation; Old Castle Building Envelope.

- a. Structural calculations will be required prior to the Architect's final review of shop drawings.

1. Samples: (Only required if manufacturer is accepted through prior approval process)

- a. Color: One (1) 12-inch extrusions with specified finish, properly labeled.
- b. Glass: One (1) 12 inch square samples of each glass type indicated, properly labeled.

2. Letter from manufacturer approving contractor to install windows.

3. Test reports showing compliance with performance requirements.

- a. Submit NFRC 100 Bid Report based on Gateway sizes that the aluminum systems, IGU spacer and glass meet the specified Climate Zone U values.

4. Window manufacturer to provide documentation for in-house testing certifying the window units meet both air and water performance for field testing before shipment of windows from the factory.

1.04 PROJECT CONDITIONS

- A. Check actual unit opening by accurate field measurement before fabrication. Coordinate fabrication schedule with construction progress to avoid delay of work.

1.05 QUALITY ASSURANCE

- A. Manufacturer to be fully responsible for shop drawings, engineering, fabrication and overseeing installation to insure a weathertight installation.

- B. Installer Qualifications: Authorized representative of the manufacturer, with not less than five (5) years experience in the fabrication and installation of products similar to those specified under this Section.

1.06 WARRANTY

- A. Fabricated products: Manufacturer to provide written warranty agreeing to repair or replace product that fail in materials or factory workmanship within ten (10) years from the date of Substantial Completion.

- B. Glass: Provide written warranty of thermal and physical integrity of insulating glass units for ten (10) years from date of Substantial Completion.
- C. Submit per Section 01 78 23.

PART 2: PRODUCTS

1.01 MANUFACTURERS

- A. The following manufacturers/products are approved as noted below with the understanding they will meet the actual products specified: EFCO, Old Castle Building Envelope, Wausau. No Substitutions.

1.02 MATERIALS - GENERAL

- A. Aluminum Members: Alloy and temper recommended by manufacturer for strength, corrosion resistance, and application of required finish; ASTM B 221 for extrusions, ASTM B 209 for sheet/plate.
- B. Fasteners: Aluminum, nonmagnetic stainless steel, or other materials warranted by manufacturer to be noncorrosive and compatible with aluminum components.
 - 1. Do not use exposed fasteners except where unavoidable for application of hardware.
 - 2. Exposed fasteners: Match finish of members and hardware being fastened.
- C. Concealed Flashing: Dead-soft stainless steel, 26 gage minimum; or extruded aluminum, 0.062 inch minimum; or an alloy and type selected by manufacturer for compatibility with other components.
- D. Exposed Flashing, Sills: .125 inch minimum shop formed aluminum sheet, finish to match window framing.
- E. Column covers and panels: .090 inch minimum shop formed aluminum sheet, backed with rigid wall insulation (see section: Insulation 07 21 00 for conformance requirements) laminated with waterproof adhesive, finish to match window framing and be applied after shapes are formed.
- F. Brackets and Reinforcements: High-strength aluminum where feasible; otherwise, nonmagnetic stainless steel or hot-dip galvanized steel complying with ASTM A 123.
- G. Concrete/Masonry Inserts: Cast iron, malleable iron, or hot-dip galvanized steel complying with ASTM A 123.
- H. Dissimilar Metal Coating: Cold-applied asphalt mastic, zinc chromate paint, or other nonconductive, nonabsorbent material.
- I. Glazing Gaskets: Comply with ASTM C 864; style as recommended by manufacturer.
- J. Glass and Glazing Accessories: Provide products specified Section 08 80 00.
- K. Flexible flashing: Conform to requirements of Section 07 65 00.
- L. Joint sealants: conform to requirements of Section 07 92 00.
Color: Match adjacent material storefront/curtainwall is attached to.

1.03 FINISH

- A. Color: ~~Anodized Champagne~~ **Dark Bronze**

1.04 WINDOWS

- A. Model: EFCO 325-X (thermal); Old Castle Building Products: Evenline Series 24E (Wold Custom), Wausau 3250i-XLT.
1. Framing profile: 3 ¼" or 3 ½" nominal minimum.
 2. Windows to meet the following Performance: AF-AW135 Fixed.
 3. Aluminum Frame Extrusions to have a minimal wall thickness of .125. (No Exceptions).
 4. Depth of Frame shall not be less than 3 ¼".
 5. Thermal Barrier shall consist of two thermal struts 1 1/16" in depth of glass reinforced polyamide nylon.
 6. Factory glazing of units unless size limitations for shipping prohibit.
 7. Provide PVC frame filler for use as a caulk stop.
 8. Provide head receptors when detailed or required due to structure defection.

1.05 GLASS

- A. Provide products and conform to requirements specified in Section 08 80 00.

1.06 ALUMINUM PANELS

A. Materials

1. Panels: Flush, aluminum faced, ¾" thick with concealed fastening system. Construct panels of minimum 0.125 inch thick aluminum laminated to rigid wall insulation (conform to Section 07 21 00, Insulation) back up, or other approved construction providing a rigid, smooth, flat appearance.
2. Panels – Laminated for use with opaque/spandrel glazing locations.
 - a. Laminated metal faced MapeSpan panels as manufactured by Mapes Industries, Inc or Nudo Products.
 - b. Acceptable alternatives: Panels having similar composite construction and finish providing manufacturer has a minimum of 25 years panel laminating experience and comparable published warranties.
 - c. Finish: Exterior – exterior spandrel glass, Interior – smooth baked enamel
 - d. Panel Fabrication: Exterior substrate – N/A, Core – Polystyrene, Interior substrate – tempered hardboard, Tolerances - .8% of panel dimension length and width (+/-) 1/16" thickness, Panel thickness – 2 inches, R-Value – 9.43, U-Value – 0.11

1.07 FABRICATION

- A. Any dimensions which may vary are indicated on drawings, with maximum and minimum dimensions required to achieve design requirements and coordination with other work. Field verify all opening dimensions.
- B. Fabrication: To greatest extent possible, complete fabrication assembly, and finishing at manufacturers plant before shipment to project site. Disassemble components only as necessary for shipment and installation.
1. Maintain accurate relation of planes and angles, with hairline fit of contacting members.
 2. Select members for fabrication so that adjacent anodized extruded aluminum members do not have color or texture variation greater than half the range indicated in the submitted samples.
 3. Factory-install all hardware except surface-mounted items.
 4. Perform fabrication operations, including cutting, fitting, forming, drilling, and grinding of metal work, in manner which prevents damage to exposed finish surfaces.
 - a. For hardware, perform these operations prior to application of finishes.

- C. Welding: Comply with AWS recommendations to avoid discoloration; grind exposed welds smooth and restore mechanical finish.
- D. Reinforcing: Install reinforcing as required for hardware and as necessary for performance requirements, sag resistance, and rigidity; separate dissimilar metals as specified under "Installation."

PART 3: EXECUTION

3.01 PREPARATION

- A. Verify and coordinate installation tolerances.
- B. Verify that openings are properly prepared, with blocking installed and cavities sealed.

3.02 INSTALLATION

- A. Comply with manufacturer's instructions and recommendations for installation of components. Window manufacturer or designated representative shall be present at installation of first window to ensure proper installation technique.
 - 1. If the installer is shop glazing windows, window manufacturer or designated representative shall be present at shop to insure proper glazing technique.
- B. Install window flexible flashing under all sills and sill flashing. Turn up at ends to form end dams. Lap flashing 4" minimum and seal.
- C. Set units plumb, level, and true to line, without warp or rack. Provide proper support and anchor securely in place.
- D. Separate aluminum exposed to weather from dissimilar metals; coat dissimilar metals that are in drainage cavities using one of the materials specified. Aluminum, stainless steel, zinc, cadmium, and small areas of white bronze are not considered dissimilar from each other.
- E. Coat all metals that come into contact with masonry, concrete, and treated wood, using one of the materials specified.
- F. Install surface-mounted hardware items, complying with hardware manufacturer's instructions and template requirements.
- G. Install joint sealers between framing and adjacent surfaces as indicated, to provide weathertight construction. Comply with requirements of Section 07 92 00 for installation of joint sealers.
- H. Install glass as specified in Section 08 80 00 and according to the framing manufacturer's printed instructions.
- I. Install aluminum panels and flashing as shown on Drawings.

3.03 ADJUST AND CLEAN

- A. Adjust operating hardware to function properly without binding, and to close doors tightly.
- B. Clean completed systems inside and out, promptly after erection and after installation of glass and sealants, taking care to avoid damage to finishes. Remove excess sealants, dirt, and other substances from aluminum surfaces.
- C. Clean glass surfaces as specified elsewhere.

3.04 FIELD QUALITY CONTROL

A. Window Testing

1. The Owner may employ an independent testing agent (AAMA accredited) to perform testing of at least one window unit as follows:
 - a. The window installing contractor is required to carry an allowance to cover testing costs when specified in SUMMARY of Part 1 of this specification. A deduct change order will be processed for the Owner to receive the allowance.
 - b. Windows to be field tested in accordance with AAMA 502, "Voluntary Specification for Field Testing of Windows", using Testing Method A.
 - c. Immediately test the first window installed for both air and water prior to the installation of additional windows on the project (unless weather conditions will not allow).
 - d. Air infiltration tests to be conducted at the same uniform static test pressure as the laboratory test unit. The maximum allowable rate of air leakage will not exceed 1.5 times the laboratory test unit for hardware and glazing types consistent with the laboratory test unit. Performance values may be reduced due to deviations from the laboratory test unit, such as product size, configuration, hardware selected, and glazing type. The field test air leakage rate shall not exceed 1.5 times the maximum allowable laboratory performance specified in Part 1 (Performance Requirements) of this specification for any configuration.
 - e. Water penetration field tests shall be conducted at a static test pressure of 2/3 of the laboratory test performance values for hardware and glazing types consistent with the laboratory test unit. Performance values may be reduced due to deviations from the laboratory test unit as product size, configuration, hardware selected and glazing type. The field test water test pressure shall not be less than 2/3 of the minimum allowable laboratory performance specified in Part 1 (Performance Requirements) of this specification for any configuration.
 - f. For each test that fails, the Architect/Testing Agent will select two additional windows to be tested. All unsuccessful tests, both original and retest as well as additional windows to be tested due to an unsuccessful test will be paid by the Contractor by deduct change order.
2. Attendance at the window testing is required for the window manufacturer (or a designated representative) and the installing Contractor.

END OF SECTION 08 51 13

SECTION 08 80 00

GLAZING

PART 1: GENERAL

1.01 SUMMARY

- A. Section includes:
 - 1. Exterior Insulated Glazing
 - a. Safety glass in locations identified in Part 3.
 - b. Clear glass in exterior HM doors.
 - c. Clear glass in windows.
 - d. *Spandrel glass in windows.*

1.02 QUALITY ASSURANCE

- A. Reference Specification: Glazing Manual by Flat Glass Marketing Association.
- B. Materials: Conform in all respects to the "Safety Standard for Architectural Glazing Materials" (16CFR 1201) issued by the Consumer Product Safety Commission and Chapter 24 of the International Building Code.
- C. Insulating glass units to be CBA rated with the Insulating Glass Certification Council (IGCC) in accordance with ASTM Specifications E-773 and E-774.

1.03 SUBMITTALS

- A. Submit per Section 01 33 00.
 - 1. Manufacturer's recommended installation instructions.
 - 2. Samples for each type glass specified.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Package, handle, deliver and store at the job site in a manner that will avoid damage. Reject scratched glass.

1.05 WARRANTY

- A. Manufacturer's Special Warranty for Coated-Glass Products: Manufacturer's standard form in which coated-glass manufacturer agrees to replace coated-glass units that deteriorate within specified warranty period. Deterioration of coated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning coated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in coating.
 - 1. Warranty Period: 10 years from date of Substantial Completion.
- B. Manufacturer's Special Warranty on Insulating Glass: Manufacturer's standard form in which insulating-glass manufacturer agrees to replace insulating-glass units that deteriorate within specified warranty period. Deterioration of insulating glass is defined as failure of hermetic seal under normal use that is not attributed to glass breakage or to maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is the obstruction of vision by dust, moisture, or film on interior surfaces of glass.

1. Warranty Period: 10 years from date of Substantial Completion.
- C. Submit per Section 01 78 23.

PART 2: PRODUCTS

2.01 MANUFACTURERS/FABRICATORS

- A. Glass Manufacturers and/or Coating Manufacturers: Vitro Architectural Glass, www.vitroglazings.com; Guardian Industries, www.sunguardglass.com; Old Castle Building Products, www.oldcastlebe.com; Pilkington North America, Inc., www.pilkington.com; Viracon, www.viracon.com; AGC Glass North America, www.us.agc.com.
- B. Safety Glass Manufacturers: SAFTI First, www.safti.com. Comparable products as manufactured by Technical Glass Products, www.fireglass.com; Vetrotech Saint-Gobain, www.vetrotechusa.com are acceptable. School Guard Glass (SGG), www.schoolguardglass.com; Global Security Glazing, www.security-glazing.com; Old Castle Building Products, www.oldcastlebe.com
- C. Interlayer Manufacturers: Solutia/Saflex, www.saflex.com or equal.
- D. Glass Product Fabricators: As certified by glass manufacturers and/or coating manufacturers.

2.02 EXTERIOR GLAZING

- A. Low-E glass to be solar control (MSVD coating process).
- B. For locations requiring safety glazing, provide heat-tempered glass for inboard and outboard lites, unless laminated glazing is called out on drawings or specified.
- C. Clear Insulated Glass: (Type EC1)
 1. 1” overall thickness insulated glass.
 - a. Exterior glass ply/coating: ¼” clear, Vitro Solarban 60, Guardian SN68 or AGC Energy Select 40; Low-E on Surface #2.
 - b. Spacer: Warm edge.
 - c. Airspace: ½” argon filled.
 - d. Silicone: Black
 - e. Interior glass ply: ¼” clear.
 2. Performance Requirements:

a. Transmittance		
1) Visible Light	70%	
b. Reflectance		
1) Visible Light Exterior	11%	
2) Visible Light Interior	12%	
c. ASHRAE U-Value		
1) Summer Daytime	0.22 Btu	
2) Winter Nighttime	0.24 Btu	
d. Shading Coefficient	0.44	
e. Solar Factor (SHGC)	0.39	

D. Single Pane Opaque/Spandrel: For use with aluminum insulated panels (AIP) in windows**1. Clear Float Glass, 1/4" thick, painted on surface #2 with MapeSpan panels, refer to 08 51 13.****a. Color: To match Viracon Medium Gray V993.****E. Fire Rated: Substitute appropriate lites with Fire Rated Glazing as specified below****1. Square pattern clear wire glass, 1/4" thick, conforming to CPSC 16 CFR 1201, CAT II as manufactured by SAFTI First (SuperLite I-W) or equal and tested by UL or Intertek Warnock/Hersey. Equivalent products by Technical Glass Products (FireLite, NT, Premium Grade); Vetrotech Saint-Gobain (Keralite Select F) are acceptable.****2.03 ACCESSORIES**

- A. Glazing Sealant: Two-part silicone similar to Dow Corning 982 Insulating Glass Sealant. Glazer is responsible to verify compatibility to primary seal material.
- B. Setting Blocks: 70-90 Shore "A" durometer, sized to accommodate size of glass used, compatible with glazing sealant.
- C. Spacers: Warm edge spacer, compatible with sealant used. Maximum "U" value at glass edge: 0.272.
- D. Primer - Sealers, Cleaners: As recommended by glass manufacturer.

PART 3: EXECUTION**3.01 INSPECTION**

- A. Check that glazing channels are free of burrs, irregularities, and debris.
- B. Check that glass is free of edge damage or face imperfections.
- C. Do not proceed with installation until conditions are satisfactory.

3.02 PREPARATION

- A. Field Measurements:
 - 1. Measure size of frame to receive glass.
 - 2. Compute actual glass size, allowing for edge clearances.
- B. Preparation of Surfaces:
 - 1. Remove protective coatings from surfaces to be glazed.
 - 2. Clean glass and glazing surfaces, to remove dust, oil and contaminants. Wipe dry.

3.03 SAFETY GLAZING

- A. Install safety glazing at the following locations and/or as required by local building codes.
 - 1. Doors and adjacent glazing.

- a. In doors when glass is wider than 2 15/16".
 - b. Glass within 24" of vertical door edges and to a point 60" above the floor.
2. Individual fixed or operable panels when any of the following conditions are met:
- a. Individual panes 9 square feet and greater.
 - b. Glass within 18" of the floor.
 - c. When exposed individual pane is greater than 36" above the floor, except when a horizontal mullion is detailed between 34" and 38" above the floor.
 - d. Walking surfaces within 36 inches horizontally of the pane of glazing.
3. Stairs, landings and ramps.
- a. In guards or railings adjacent to stairs, landings and ramps.
 - b. Glazing adjacent to stairways, landings and ramps within 36" horizontally of walking surface and less than 60" above pane of adjacent walking surface.
 - c. Glazing adjacent to bottom tread of stairways within 60" horizontally and less than 60" above the nose of the tread, unless the glass is protected by a guardrail and the glass is greater than 18" of the guardrail.

3.04 INSTALLATION

- A. Install glass in accordance with glass manufacturer's current printed instructions.

3.05 CLEANING

- A. Remove excess glazing compound from installed glass.
- B. Remove labels from glass surface as soon as installed.
- C. Wash and polish both faces of glass.
- D. Remove debris from work site.

3.06 PROTECTION OF COMPLETED WORK

- A. Attach crossed streamers away from glass face.
- B. Do not apply markers to glass surface.
- C. Replace damaged glass.

END OF SECTION 08 80 00

SECTION 10 14 00

SIGNAGE

PART 1: GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings, Details of Construction and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification Sections, apply to work specified in this section.

1.02 SUMMARY

- A. This Section includes engineering, furnishing, and installing the following signage and support systems:
 - 1. Cast aluminum dimensional letters, shapes and supports.
- B. Types of specialty signs are indicated on the Drawings.

1.03 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide signs capable of withstanding the effects of gravity, wind, snow, and seismic loads and stresses, determined according to the local building codes and authorities having jurisdiction.
- B. Deflection of signs and supports in vertical and horizontal direction is limited to 1/360 of clear span or 3/4 inch, whichever is smaller.
- C. Thermal Movements: Provide post and panel signs that allow for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures by preventing buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 - 1. Temperature change (Range): 120 deg F, ambient; 180 deg F, Material surfaces.

1.04 SUBMITALS

- A. Product Data: Submit manufacturer's technical data and installation instructions relative to materials, dimensions of individual components, profiles, and finishes for each type of sign material required.
- B. Shop Drawings: Submit shop drawings for fabrication and erection of supports and signs. Include plans, elevations, and large-scale details of sign wording and lettering layout. Include large-scale sections of typical members and other components. Show fabrication joints and fasteners. Show anchors, grounds, reinforcement, accessories, layout, and installation details.
 - 1. For signage required to comply with design loads, include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
 - 2. Provide "copy schedule," for each sign required:
 - a. Indicated message line breaks.
 - b. Include large-scale details of signs wording and lettering layout, artwork.
 - c. Include outline of sign face, character spacing, line spacing, and copy composition.
 - d. Submit data simultaneously for overall review and comparison prior to fabrication.
 - 3. Engineering, fabrication, and construction schedule.
 - 4. For signs supported by or anchored to permanent construction, provide setting drawings, full-size spacing templates, and directions for installation of anchor bolts and other appropriate anchors to be installed.

5. Submit drawings in 11-inch by 17-inch format unless otherwise requested by the Architect.
 6. Provide full-color proofs of printed artwork.
- C. Samples: Submit 12 inch by 12-inch samples of each sign material showing finishes, colors, surface textures and qualities of manufacturer and design of each sign component including graphics. Samples to be kept by Architect as a record to later match against items in the field.
- D. Maintenance Data: For signage cleaning and, maintenance requirements to include in maintenance manuals.

1.05 QUALITY ASSURANCE

- A. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for design and installations of signs, and miscellaneous support that are similar to those indicated for this project in material, design and extent.
- B. Manufacturer Qualifications: All sign fabrication within this section shall be performed by a manufacturer with a minimum of five (5) years experience producing architectural signs, and a minimum of five (5) years experience producing compliant signs as specified in ANSI 117.1 (1986), Minimum Guidelines and Requirements for Accessible Design (MGRAD), Uniform Federal Accessibility Standards (UFAS) and Americans with Disabilities Act Accessibility Guidelines (ADAAG).
- C. Uniformity of Manufacturer: For each separate type of sign and graphic image required, obtain signs from a single manufacturer.
1. Manufacturer's name, trade name, or trademark shall not appear on any visible surface.
- D. Fire-Test-Response Characteristics: Provide banners and flags constructed of fabrics that are identical to products that pass the Test Method 1 of NFPA 701 performed by UL or another testing and inspecting agency acceptable to authorities having jurisdiction.
- E. Welding Standards: Qualify procedures and personnel according to the following:
1. AWS D1.1, "Structural Welding Code-Steel."
 2. AWS D1.2, "Structural Welding Code-Aluminum."
 3. AWS D1.3, "Structural Welding Code-Sheet Steel."
- F. Aesthetic Requirements: Provide copy with straight and true edges; tightly spaced characters as indicated; reproduce type style accurately with square corners and even curves; provide uniform letters and symbols; and provide smooth finishes with no visible imperfections.
- G. Inspections: The Architect reserves the right to periodically visit the Contractor's facilities to inspect and review layouts. Do not hinder the Architect in the Performance of these activities.

1.06 PROJECT CONDITIONS

- A. Field Measurements: Where sizes of signs are determined by dimensions of surfaces on which they are installed, verify dimensions by field measurement before fabrication and indicate measurements on Shop drawings.
1. Establish Dimensions: Where field measurements cannot be made without delaying the Work, establish sign dimensions and proceed with fabrication without field measurements. Coordinate fabrication with construction progress to avoid delay.

1.07 COORDINATION AND SCHEDULE

- A. Installation: Coordinate installation with Owner. For signs supported by or anchored to permanent construction, coordinate specific requirements for types and placement of anchorage devices and similar items to be used for attaching signs.
 - 1. For signs supported by or anchored to permanent construction, furnish templates for installation of blocking, anchorage devices, and electrical conduits.
- B. Prepare a schedule indicating engineering, fabrication, delivery, installation, and final inspection of the Work. Submit this schedule to the Architect and Owner for approval and coordination with other work at the Project Site.
- C. Coordinate location of remote transformers with building construction. Ensure that transformers are accessible after completion of Work.

1.08 DELIVERIES, STORAGE AND HANDLING

- A. Package Material in like groups and label accordingly.
- B. Protect items during transit, delivery, handling, and storage to prevent damage, soiling, and deterioration. Minor damage to finishes may be repaired provided the final finishes are equal to the original finishes and are acceptable to the Architect. If not acceptable, remove and replace damaged items with new signs.
- C. Coordinate delivery and storage of sign materials with the Owner. Schedule delivery to minimize storage requirements. Materials stored at the Project Site without prior approval of the Owner, may have to be relocated at the sign contractor's expense.

1.10 MAINTENANCE

- A. Furnish the Owner with a list of cleaning materials appropriate for maintenance of signs. Provide written instructions for proper maintenance, electrical access, and character and lighting replacement procedures. Include recommended methods for removal of residual adhesives from wall surfaces after removal of adhered signs.

PART 2: PRODUCTS

2.01 FABRICATORS

- A. Fabricators who meet the requirements of specification are acceptable.

2.02 MATERIALS, GENERAL

- A. Use materials of size and thickness indicated or, if not indicated as required to produce strength and durability in finished product for use intended. Work to dimensions shown or accepted on shop drawings, using proven details of fabrication and support. Use type of materials shown or specified for various components of work.
- B. All materials shall be new stock, free from defects impairing strength, durability, and appearance. No fabrication or installation materials or procedures shall be used that will in any way change the usual quality or in any manner have an adverse effect on existing materials and surfaces.
- C. Graphic Content and Style: Provide sign copy that complies with requirements indicated in the Graphics and Sign Schedule, on Drawings, and on artwork supplied on electronic media by Architect for size, style, spacing, content, mounting height and location, material, finishes, and colors of signage.

2.03 METALS

- A. General: For the fabrication of exposed metal work, use only materials, which are smooth and free of surface blemishes including pitting, roughness, seam marks, roller marks, and trade names. Do not use materials that have stains or discolorations.
 - 1. Provide stretcher leveled standard of flatness.
- B. Aluminum Sheet and Plate: ASTM B 209 (ASTM 209M), alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with at least the strength and durability properties of alloy 5005-H15.
 - 1. Thickness: Provide aluminum sheets and plates in sizes specified or indicated on the Drawings.
- C. Aluminum Extrusions: ASTM B 221 (ASTM B 221M), alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with at least the strength and durability properties of alloy 6063-T5.

2.04 TYPOGRAPHIC REQUIREMENTS

- A. GENERAL: Type style shall be as indicated on the Drawings.
 - 1. Typeface and numerals shall be computer digitized by one manufacturer and used for each applicable sign types.
 - 2. Characters indicated on the Drawings are intended as guidelines for layouts and font size only, and are based on scale calculations of the message lengths within given and estimated sign areas. Drawings and schedules indicate the copy required on individual signs. Should conflicts arise in the final message layout, notify the Architect before proceeding.
 - 3. Spelling and punctuation shall be correct. Should an error in spelling or punctuation be found, or the spelling appears questionable, notify the Architect before proceeding.
 - 4. Align letterforms to maintain a baseline parallel to the sign format, unless otherwise indicated. Maintain uniform margins in sign layouts.

2.05 HARDWARE, FASTENERS, AND ADHESIVES

- A. Fasteners: Unless otherwise indicated, use concealed fasteners fabricated from metals that are non-corrosive to either the sign or the mounting surface. If concealed fasteners are not practical or possible, provide vandal-resistant fasteners.
- B. Fabricate brackets and fittings for bracket-mounted signs from materials compatible with panel sign construction and mounting conditions indicated. Factory-paint brackets in color matching background color of panel sign, unless otherwise indicated on the sign type detail.
 - 1. Steel tubing: Cold-formed steel tubing complying with ASTM A 500, Grade B.
 - 2. Structural Steel Shapes, Plates, and Bars: Cold-Formed steel fabrications complying with ASTM A36.
- C. Anchors and Inserts: Use non-ferrous metal or hot-dipped galvanized anchors and inserts for exterior installations and elsewhere as required for corrosion resistance. Use toothed steel or lead expansion bolt devices for drilled-in-place anchors. Furnish inserts, as required, to be set into concrete or masonry work.
 - 1. For attachment to metal panels, use #12 stainless steel, Type 410, self-tapping screws with integral neoprene washers.
- D. Adhesives: Provide products equal to "Depend 330" as manufactured by Loctite Acrylic Adhesives. (216) 881-2828. Signage manufacturer shall verify with painting manufacturer capability of the adhesive to the paint.

- E. Silicone Adhesive: Provide liquid silicone adhesive (Sealant) with a methanol or acetic cure as recommended by the sign fabricator.
- F. Rubber Spacers: Provide Manufacturer's standard spacers when necessary.

2.06 FABRICATION, GENERAL

- A. General: Fabricate signs to comply with requirements indicated on drawings for materials, thickness, finish, colors, designs, shapes, sizes, and details of construction.
 - 1. Form exposed faces and sides of signs to produce surfaces free from warp and distortion, free of "oil canning."
 - a. Include internal bracing for stability and attachment of mounting accessories as required.
 - b. Cut metal edges on a continuous line and sand and smooth. Seams shall be straight and symmetrical.
 - c. Form exposed connections with hairline joints, flush, and smooth.
 - d. Form exposed work true to line and level with sharp angles, surfaces, and edges.
 - e. Ease exposed edges to a radius of approximately 1/32 inch unless otherwise indicated. Form bent-metal corners to smallest radius possible without causing grain separation or cracking of applied finishes.
 - 2. Welding, when necessary, shall be of the appropriate type to minimize permanent distortions of flat surfaces. Remove welding flux, oxides and discolorations by pickling or grinding, so that these areas match the finish of the adjacent areas. Repair damage caused by the fabrication by grinding, polishing, or buffing.
 - a. Weld corners and seams continuously, complying with AWS recommendations. At connections, grind exposed welds smooth and flush to match and blend with adjoining surfaces.
 - 3. Cut, reinforce, drill, and tap miscellaneous metal work as indicated to receive finish hardware and similar items.
 - 4. Produce smooth, even, level sign panel surfaces, constructed to remain flat under installed conditions within a tolerance of plus or minus one percent measured diagonally from corner to corner.
 - 5. Fabricate, brackets and fittings for signs to suit sign panel construction and mounting conditions indicated. Connections, angles, shapes, and details shown are suggestive and are to be sized, reinforced and detailed as required. Details not shown are to be equal in quality to those detailed. Factory paint brackets in color matching background color of sign panel.
 - 6. Provide concealed access to internally illuminated signs for relamping and service. Service access shall be waterproof and secured against vandalism.
 - 7. Conceal union, fabricator, or other labels.
 - 8. For sign panel units in exterior applications provide standard weatherproofing construction, including weather-stripping, weeping, and venting provisions for condensation control.
- B. Metal signs facing and cladding shall be aluminum unless otherwise indicated or specified.
- C. Where galvanized steel and aluminum meet, the materials shall be materially isolated from one another to prevent electrolytic action. Aluminum joints and connections shall be heli-arc welded and flush, true, ground, and polished smooth and without defects. Character forms shall be cut true to typeface with no burns or imperfections of any kind.
- D. Internal Structure: Provide completely hidden, internal structures for support and anchorage, unless indicated otherwise on the drawings. Primary support structure shall be hot dipped galvanized steel or aluminum.

2.10 FABRICATED LETTERS AND SHAPES

- A. Cast Characters – Dimensional Letters at Main Entrance of Building: Fabricate foundry cast letters and numbers to the required sizes and styles indicated on drawings.
 - 1. Aluminum
 - 2. Finish: Kynar painted finish as called out on the Drawings.
 - 3. Type and Size: Sizes as shown on the Drawings.

2.11 FINISHES, GENERAL

- A. Comply with NAAMM’s “Metal Finishes Manual for Architectural and Metal Products” for recommendations for applying designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of range of approved Samples. Noticeable variations in same piece are not acceptable. Variations in appearance of other components are acceptable if they are within range of approved Samples and are assembled or installed to minimize contrast.
- D. Preparation: Substrates shall be smooth, clean and free of dust, grease, fingerprints, or other foreign matter. If necessary to obtain true color application, surface shall be “primed” with white before final color application is applied. Artwork shall be accurately reproduced with all edges straight and true and all finishes smooth with no visible imperfections.
 - 1. Surface preparation: Follow paint manufacturer’s instructions for preparing surfaces before applying primers or graphics.
- E. Corrosion Protection: Coat concealed surfaces, which will be in contact with concrete, stone, masonry, wood, or dissimilar metals, in exterior work and work to be built into exterior and below grade walls and decks, with a heavy coat of bituminous paint. Do not extend coating onto exposed surfaces.
- F. Colors and Surface Textures: For exposed sign material that requires selection of materials with integral or applied colors, surface textures or other characteristics related appearance, provide custom color matches as selected by the Architect.
 - 1. Aluminum: Acrylic polyurethane paint as specified in this Section.

2.12 ALUMINUM FINISHES

- A. Aluminum: Finish designations prefixed by AA conform to the system established by the Aluminum Association for designating aluminum finishes.
 - 1. Class 1, Clear Anodic Finish: AA-M32C22A41 (Mechanical Finish: medium satin)
 - 2. Chemical Finish: etched, medium matte, Anodic Coating: Architectural Class 1, clear coating 0.018 mm (or thicker) complying with AAMA 611.

2.13 PAINT MATERIALS

- A. Primer: High build, two-part polyamide epoxy.
- B. Opaque Finish Coat: Two-part satin finish acrylic polyurethane paint. Provide products equal to Matthews Paint Company’s “low VOC Satin MAP – Acrylic Polyurethane,” custom colors with gloss between 11 and 19 units @ 60 degrees.

1. Paint P-6 "Faux Rust" Application Procedures: Paint P-6 shall match samples prepared by Matthews Paint Company and available from the Architect. Special colors shall be applied in accordance with the written instructions from the manufacturer to achieve the texture, color, and sheen of the Samples.
- C. Powder Coating: Polyester based powder coating type finish for sheet steel.
- D. Silkscreen: Use fast drying opaque enamel silkscreen ink.
 1. Colors and Sheen: High gloss color not limited to manufacturer's standard colors.
- E. Bituminous Paint: Cold-applied asphalt mastic complying with SSPC-Paint 12, except containing no asbestos fibers.

PART 3: EXECUTION

3.01 PREPERATION

- A. General: Examine area, surfaces and conditions under which the work is to be installed. Notify the Engineer in writing of conditions detrimental to the proper and timely completion of the work. Starting work implies acceptable surfaces and conditions.

3.02 INSTALLATION

- A. General: Locate sign units and accessories where shown on Sign Schedule and/or sign reference plans, attaching signs to substrates in accordance with manufacturer's instructions, unless otherwise indicated.
 1. Install signs level, plumb, and at heights indicated, with sign surfaces free from distortion and other defects in appearance.
 2. Interior Wall Signs: Install signs on walls adjacent to latch side of door where applicable. Where not indicated or possible, such as double doors, install signs on nearest adjacent walls. Locate to allow approach within 3 inches of sign without encountering protruding objects or standing within swing door.
- B. Surfaces under adhesive applied units shall be smooth, clean, and free of dust, grease, fingerprints, or other foreign matter. All adhesives required shall be used in accordance with recommendations made by manufacturer of the material to be laminated or adhered. No adhesives that will fade, discolor, or delaminate as a result of ultraviolet light or heat shall be used. Adhesives shall not change the color of or deteriorate the materials to which they are to be applied. The adhesives shall be of non-staining, non-yellowing quality. All visible joints shall be free from air bubbles and other defects.
- C. Mill joints to a tight, hairline fit. Form joints exposed to the weather to exclude water penetration.
- D. Dimensional Characters: Mount characters using standard fastening methods recommended in writing by manufacturer for character form, type of mounting, wall construction, and condition of exposure indicated. Provide heavy paper template to establish character spacing and to locate holes for fasteners.
 1. Pin Mounting: a minimum of three threaded studs (1/8 inch diameter by 1/2 inch long minimum) welded to back or bottom of character with no distortions or discolorations to sign face. Appropriately increase size of studs according to weight of characters.
 2. Flush Mounting: Mount characters with backs in contact with wall surface.
 3. Projected Mounting: Mount characters at projection distance from wall surface indicated.

3.03 FIELD QUALITY CONTROL

- A. Within one week of scheduled completion of installation, prepare a punch list itemizing the following:
 - 1. Uppercase letters instead of lowercase or vice-versa.
 - 2. Improper alignment of letters.
 - 3. Chipped finishes.
 - 4. Unpainted exposed fasteners.
 - 5. Fabricator's label displayed.
 - 6. Improper cleaning of sign surfaces or surrounding wall areas.
 - 7. Damage to surrounding surfaces.
 - 8. Missing signs.
- B. Repair or replace damage units as required after Architect's final inspection.

3.04 PATCH AND ADJUST

- A. Patch existing surfaces damaged as a result of work under this section. Patch with same materials as existing. Sign Contractor shall paint and harmoniously blend and contour all repairs to match adjoining conditions.
- B. Touch-up any marks or nicks in painted finishes of all signs and adjacent structures. Touch-up shall be the same paint product as used for this sign finish.
- C. Corrosion Protection: Coat concealed surfaces of aluminum that will be in contact with grout, concrete, masonry, wood, or dissimilar metals with heavy coat of bituminous paint.
- D. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A 780.

3.05 CLEANING AND PROTECTION

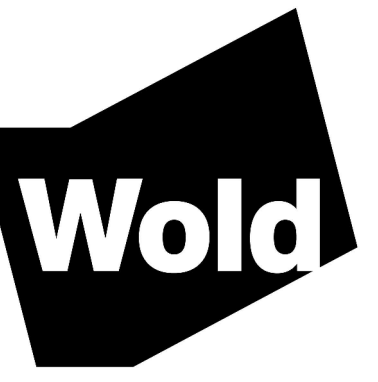
- A. At completion of installation, clean exposed sign surfaces in accordance with the manufacturer's instructions. Signs shall be free of glue, fingerprints, dirt, grease, or any other imperfections.
- B. Evidence of installation work or damages incurred on other surfaces shall be cleaned or repaired prior to completion of work. Protect units from damage until acceptance by Owner.
- C. Remove all packing and construction materials from site. Leave premises clean, ready for work under other contracts or ready for use.
- D. Instruct the Owner in writing as to the correct operation and maintenance of all signs and sign components.
- E. Demonstrate to the Owner the operation of all access panels, and replacement of lamps, ballasts, and transformers as applicable.
- F. Furnish Owner with a pint of each paint and finish material used on sign.

END OF SECTION 10 14 00

**Administration
Building Exterior
Reclad and Window
Replacement**

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Davenport, IA 52801

Scott County
600 W 4th Street
Davenport, IA 52801



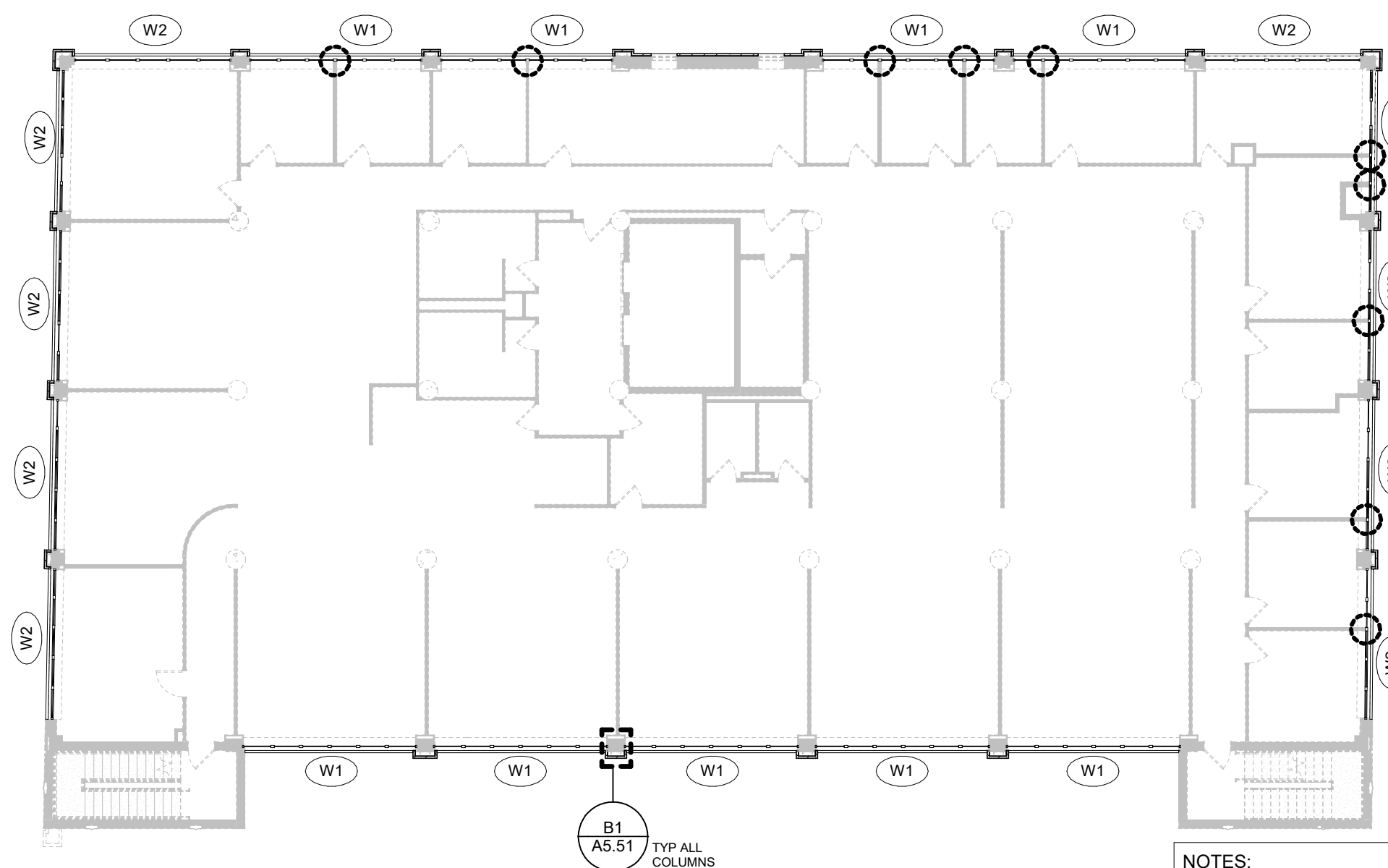
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Palatine, Illinois 60067

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FLOOR PLAN GENERAL NOTES

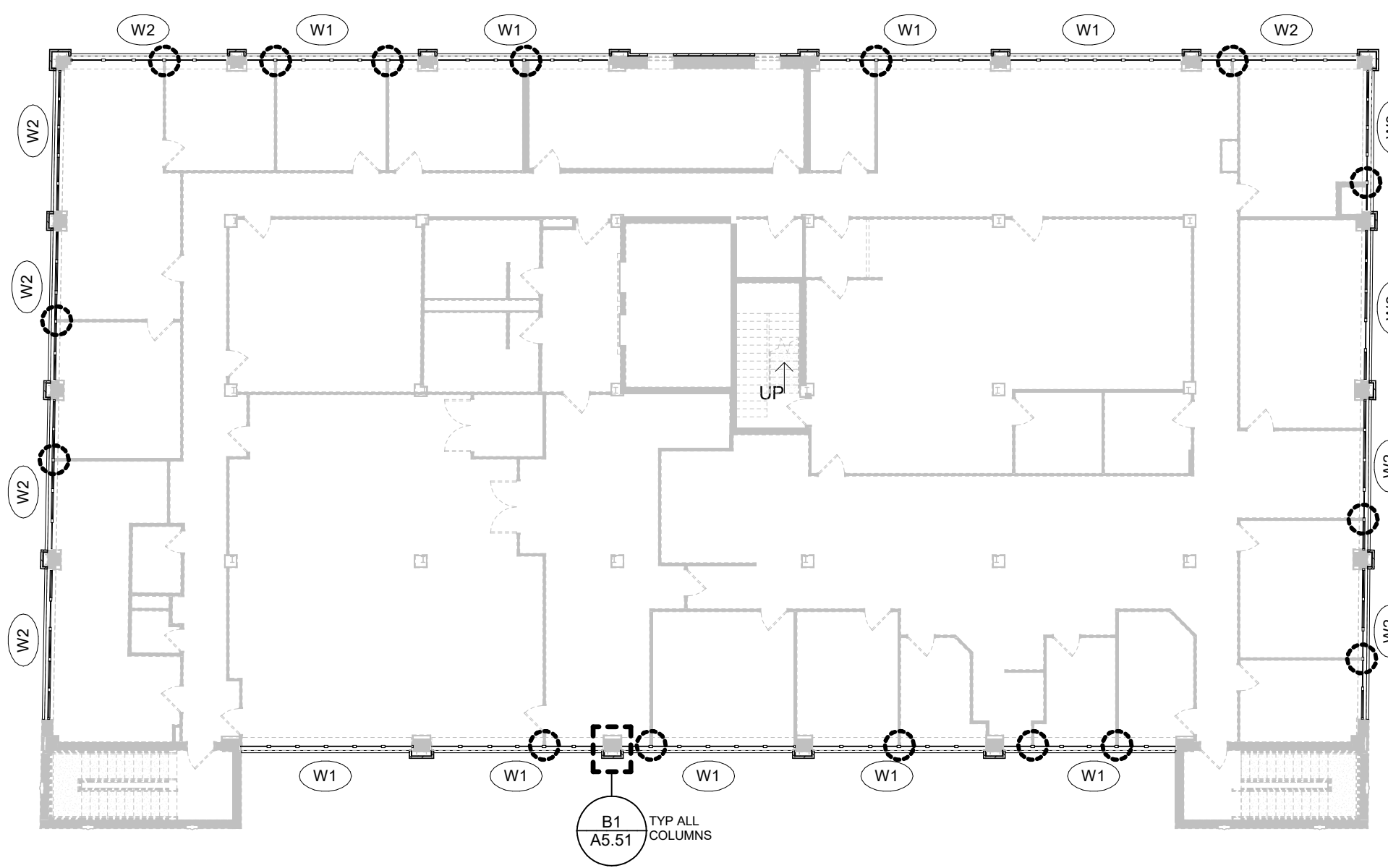
- CONTRACTOR RESPONSIBLE FOR PROTECTING ALL FURNITURE, FIXTURES AND EQUIPMENT AS REQUIRED TO INSTALL NEW CONSTRUCTION.
- AT EXTERIOR DOORS/FRAMES THE CONTRACTOR SHALL PROVIDE WEATHER-TIGHT AND SECURE ENCLOSURES AS NECESSARY TO PROTECT AND SECURE THE BUILDING AND ITS CONTENTS. ENCLOSURES SHALL TYPICALLY BE OF WOOD AND 3/4" PLYWOOD SHEETING OR BETTER. ENCLOSURES CONSISTING OF PLASTIC SHEETING OR SIMILAR MATERIALS ARE NOT ACCEPTABLE. SURFACES OR MATERIALS DAMAGED BY INSTALLATION OF ENCLOSURES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
- CONTRACTOR RESPONSIBLE FOR PATCHING, REPAIRING, OR REPLACING ANY AND ALL INTERIOR FINISHES DAMAGED DUE TO CONSTRUCTION ACTIVITIES.
- CONTRACTOR TO MOVE FURNITURE AND EQUIPMENT IN LOCATIONS WHERE WINDOWS ARE TO BE INSTALLED AND SEALED. CONTRACTOR RESPONSIBLE FOR SCHEDULING FURNITURE AND EQUIPMENT TO BE MOVED WITH THE OWNER AND IS TO MOVE THE FURNITURE AND EQUIPMENT BACK UPON COMPLETION OF WINDOW INSTALLATION.
- EXISTING EXPOSED AGGREGATE PANELS TESTED FOR ASBESTOS BY OWNER'S SEPARATE CONTRACTOR. PANELS WERE FOUND TO BE NON-ASBESTOS CONTAINING.

IL



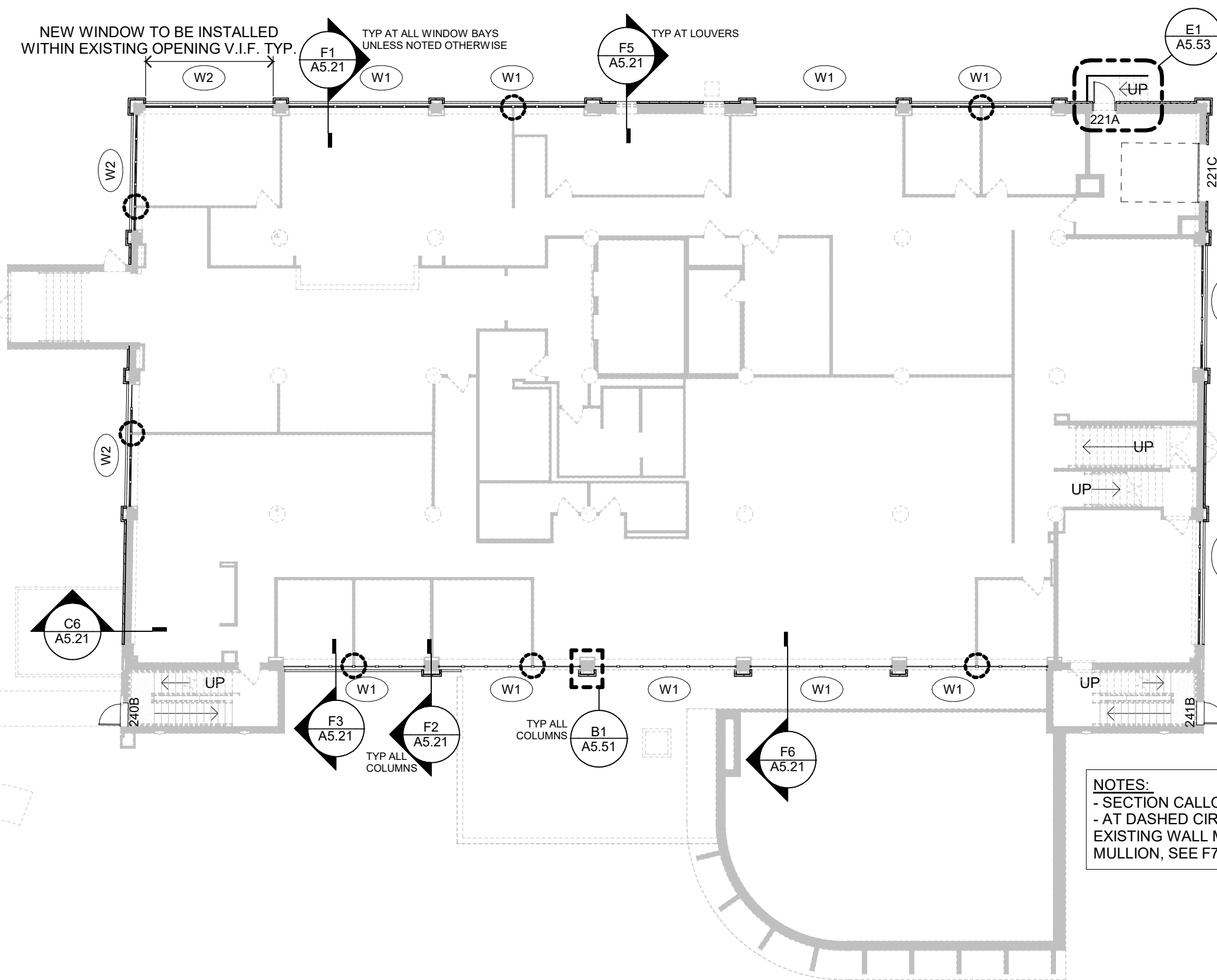
NOTES:
- AT DASHED CIRCLES, WHERE EXISTING WALL MEETS WINDOW MULLION, SEE F7/A2.01.

B1 THIRD FLOOR PLAN
1/16" = 1'-0"



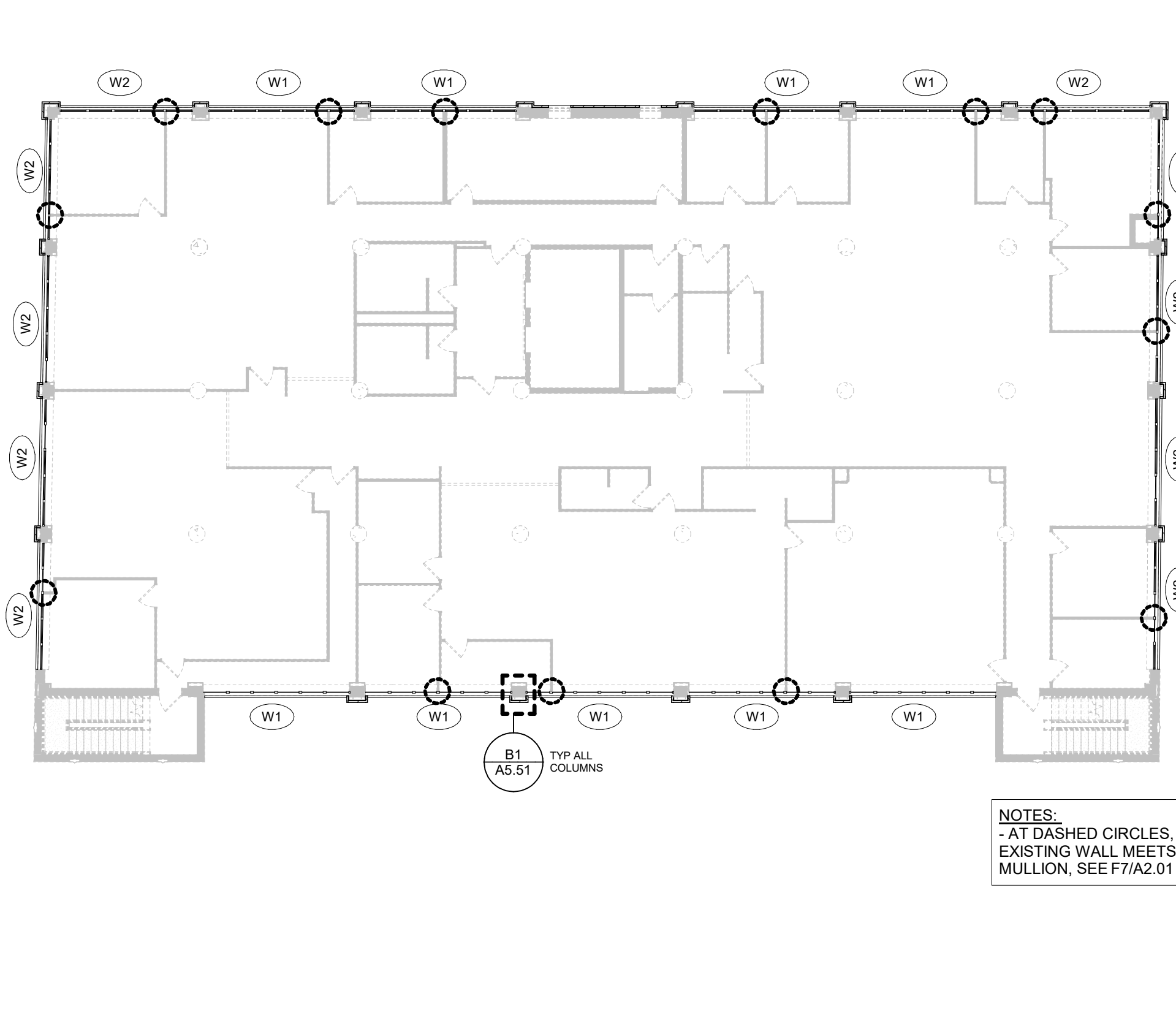
NOTES:
- AT DASHED CIRCLES, WHERE EXISTING WALL MEETS WINDOW MULLION, SEE F7/A2.01.

B4 SIXTH LEVEL FLOOR PLAN
1/16" = 1'-0"



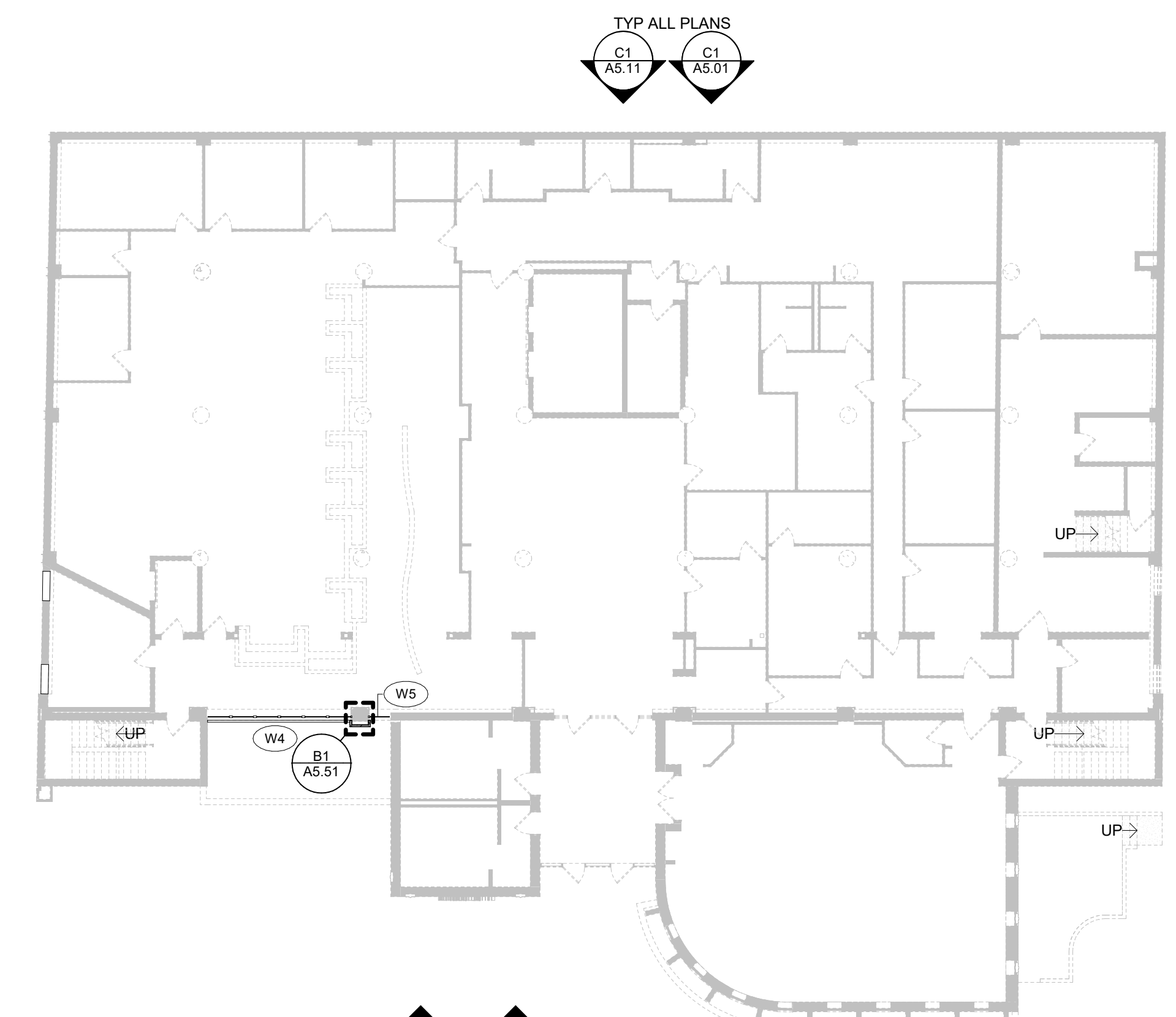
NOTES:
- SECTION CALLOUTS TYP ALL PLANS.
- AT DASHED CIRCLES, WHERE EXISTING WALL MEETS WINDOW MULLION, SEE F7/A2.01.

D1 SECOND LEVEL FLOOR PLAN
1/16" = 1'-0"



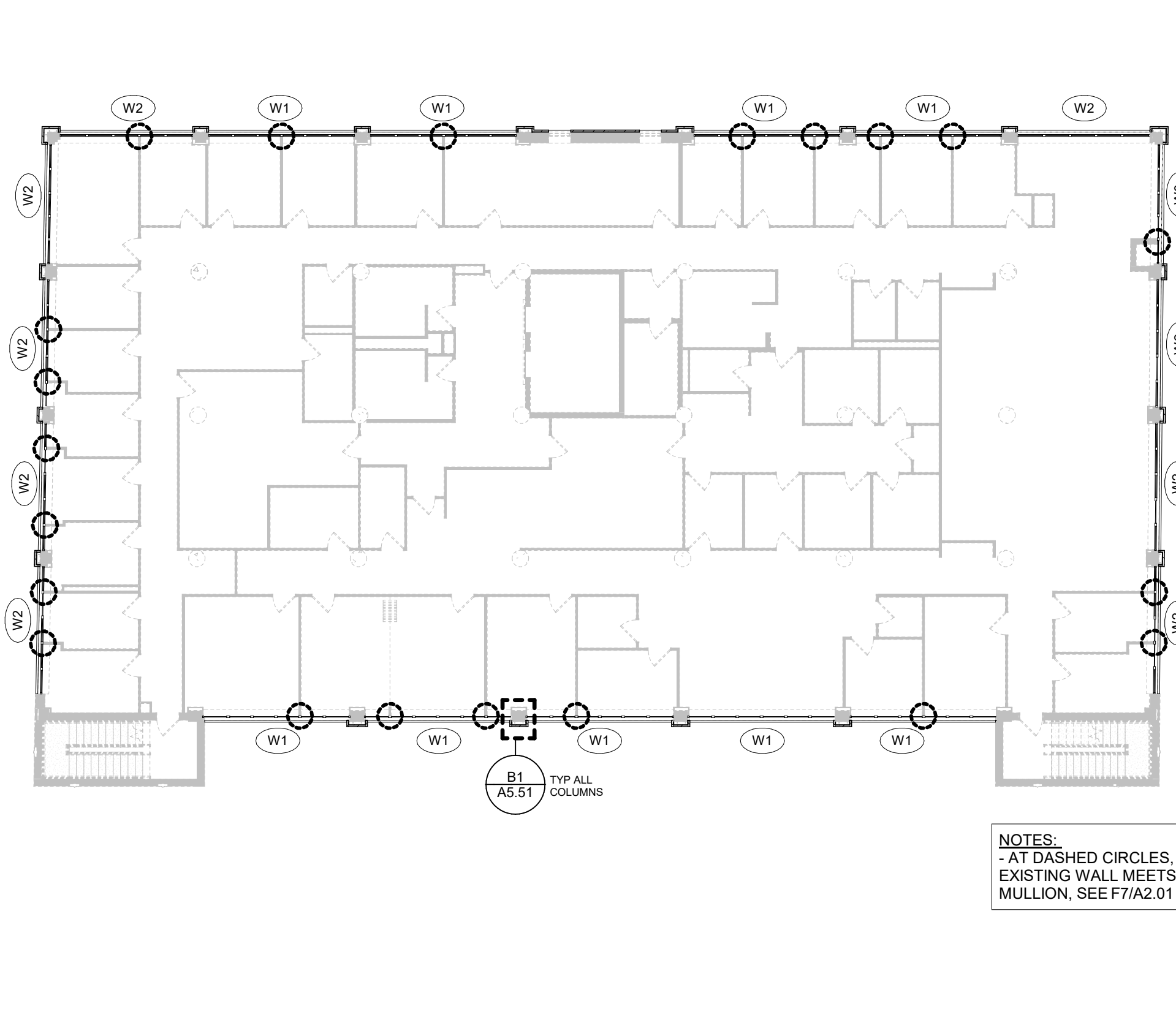
NOTES:
- AT DASHED CIRCLES, WHERE EXISTING WALL MEETS WINDOW MULLION, SEE F7/A2.01.

D4 FIFTH LEVEL FLOOR PLAN
1/16" = 1'-0"



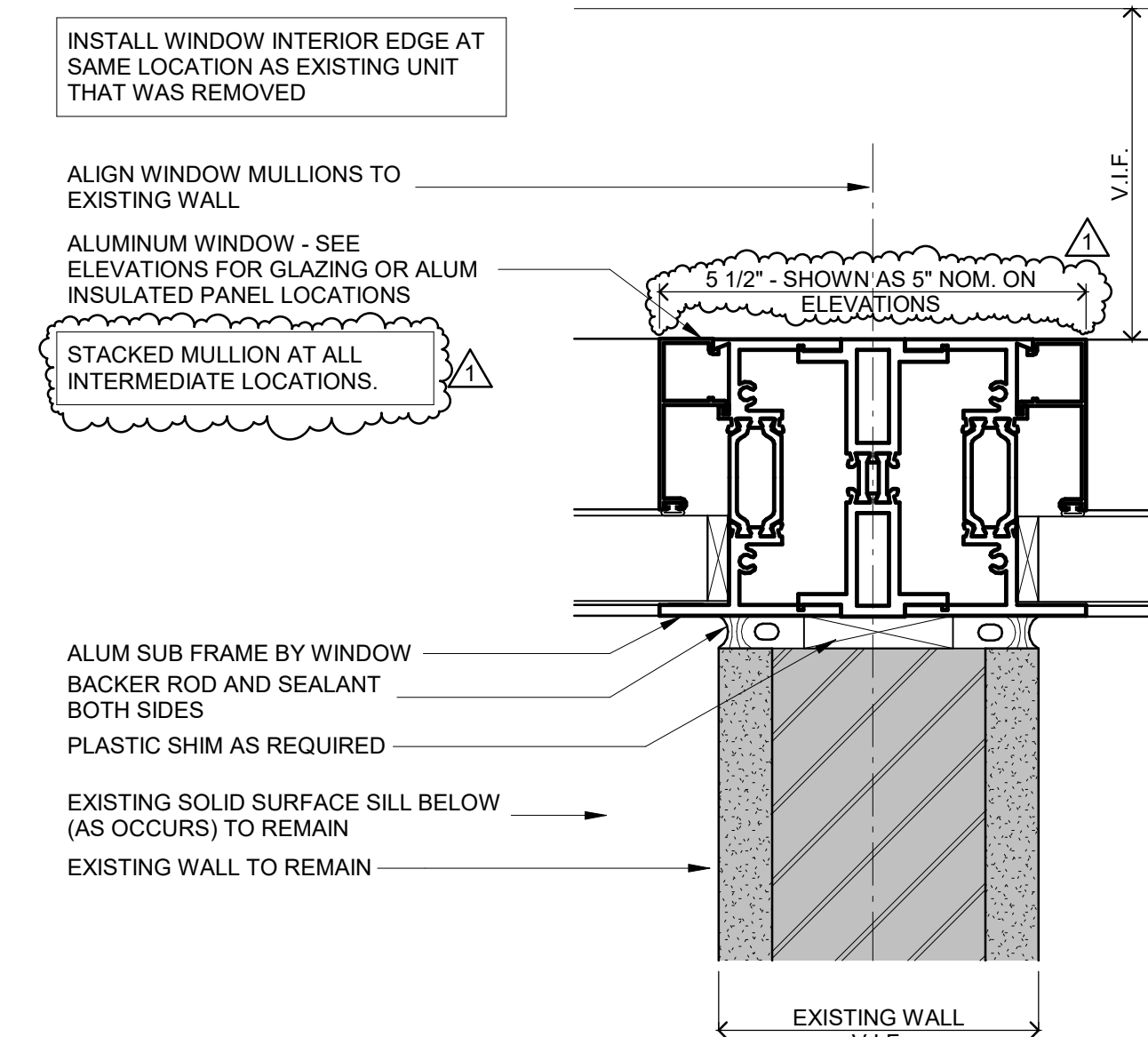
TYP ALL PLANS
C1 AS.12
C1 AS.02

F1 FIRST LEVEL FLOOR PLAN
1/16" = 1'-0"



NOTES:
- AT DASHED CIRCLES, WHERE EXISTING WALL MEETS WINDOW MULLION, SEE F7/A2.01.

F4 FOURTH LEVEL FLOOR PLAN
1/16" = 1'-0"



INSTALL WINDOW INTERIOR EDGE AT SAME LOCATION AS EXISTING UNIT THAT WAS REMOVED

ALIGN WINDOW MULLIONS TO EXISTING WALL

ALUMINUM WINDOW - SEE ELEVATIONS FOR GLAZING OR ALUM INSULATED PANEL LOCATIONS

STACKED MULLION AT ALL INTERMEDIATE LOCATIONS.

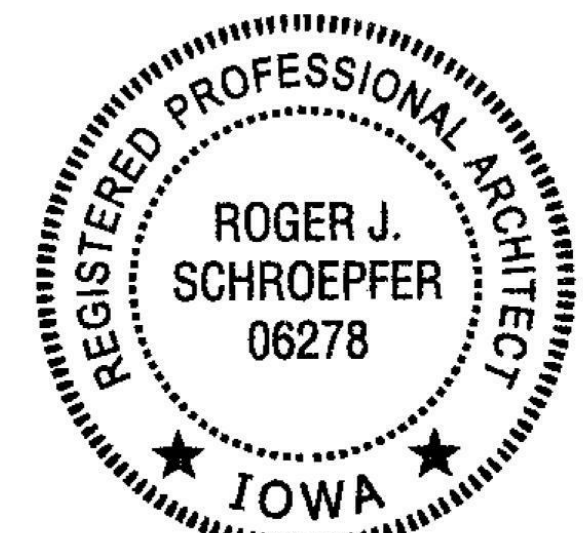
ALUM SUB FRAME BY WINDOW

BACKER ROD AND SEALANT BOTH SIDES

PLASTIC SHIM AS REQUIRED

EXISTING SOLID SURFACE SILL BELOW (AS OCCURS) TO REMAIN

EXISTING WALL TO REMAIN



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT under the laws of the State of Iowa.

Roger Schroepfer
License Number: 06278 Date: 06.14.2019

Description	Revisions	Date	Num
Addendum No. 1		06.25.2019	1

Comm: 193033
Date: 06.14.2019
Drawn: ACM
Check: KBE

FLOOR PLANS

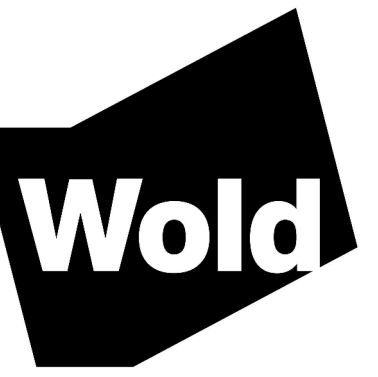
Scale: As Indicated

A2.01

**Administration
Building Exterior
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Replacement**

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Davenport, IA 52801

Scott County
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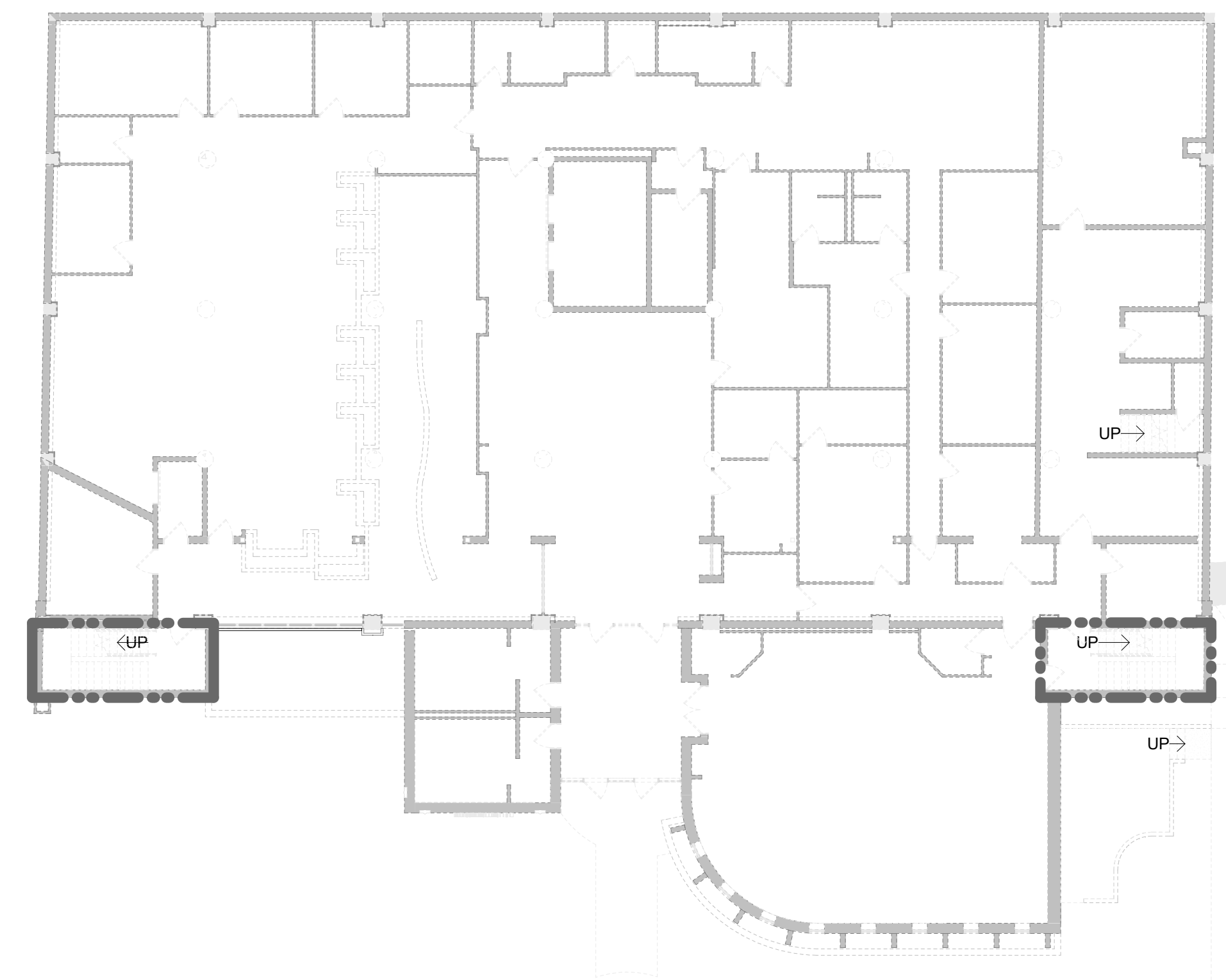


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EFFECTIVE CODE REFERENCES

- 2015 INTERNATIONAL BUILDING CODE (IBC)
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)



B6 CODE PLAN - MAIN LEVEL
1/16" = 1'-0"
0 12 24'

CODE PLAN NOTES

- EXISTING BUILDING CONSTRUCTION NOT CODE COMPLIANT TO IBC 2015. ALL NEW WORK TO COMPLY WITH IBC 2015 AND CURRENT ILLINOIS BUILDING CODES.
- BUILDING OCCUPANCY CLASSIFICATION NOT REVISED FOR ANY NEW WORK.
- OCCUPANT LOAD AND MEANS OF EGRESS ARE NOT BEING AFFECTED BY CONSTRUCTION WORK.
- NO EGRESS PATHS HAVE BEEN REDUCED IN SIZE OR AMOUNT.

CODE LEGEND

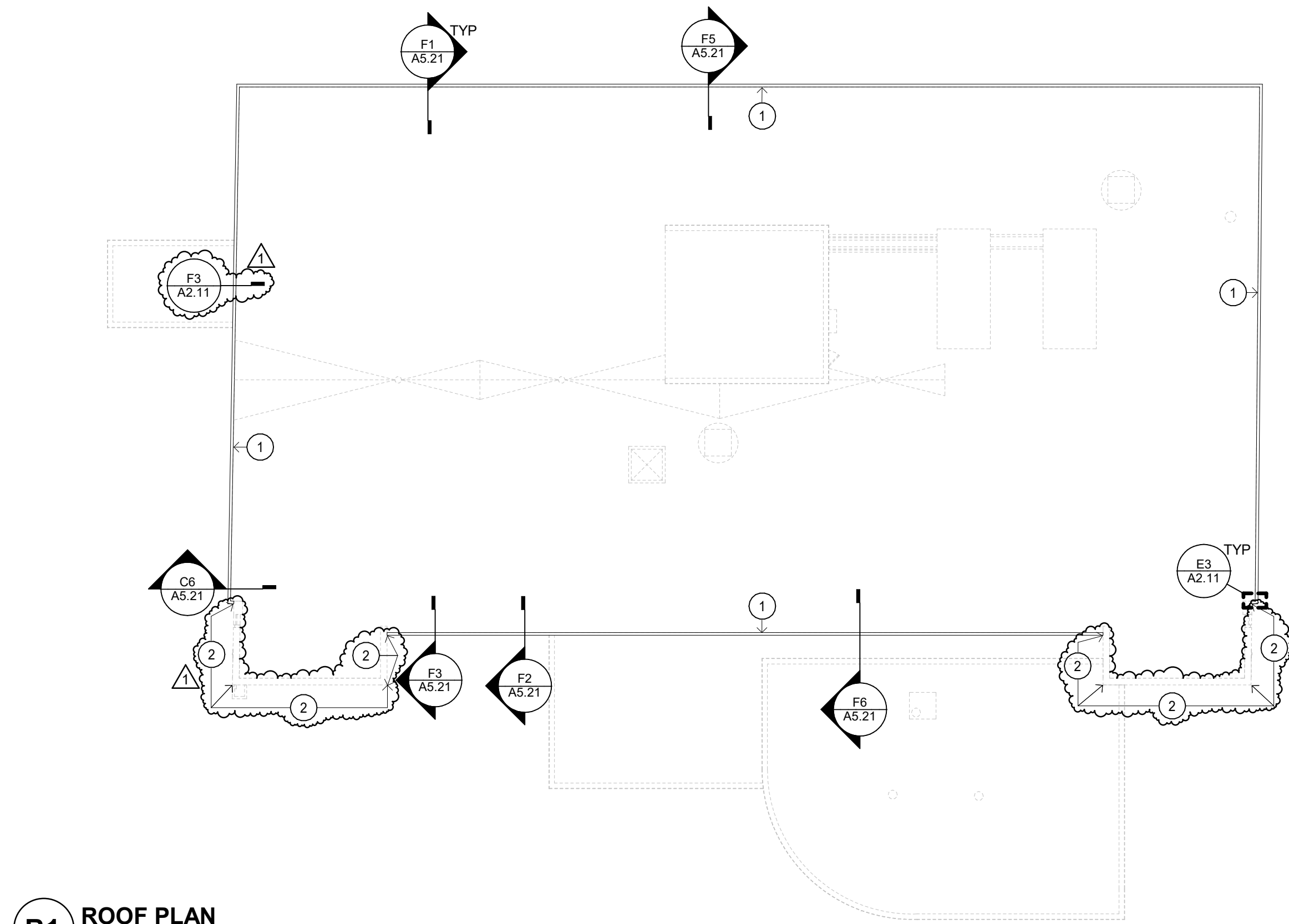
- EXISTING 2 HOUR FIRE BARRIER-NOT UPGRADED. ALL NEW WORK TO CONFORM (SHAFT ENCLOSURES: 707.3.1, HORIZ EXITS: 1025.1, 707.7.11, OCCUPANCY SEPARATIONS: 508.4, INTERIOR EXIT STAIRWAY: EXIT ACCESS STAIRWAY: 1022.2, 707.7.11)
- DOOR OPENINGS: 90 MIN.
- GLAZING: 100 SQ IN MAX, 33" MAX HT, 10" MAX WIDTH
- DUCTWORK: 90 MIN FIRE DAMPER
- 90 MIN FIRE/ SMOKE DAMPER (AT SHAFT ENCLOSURES)

ROOF PLAN GENERAL NOTES

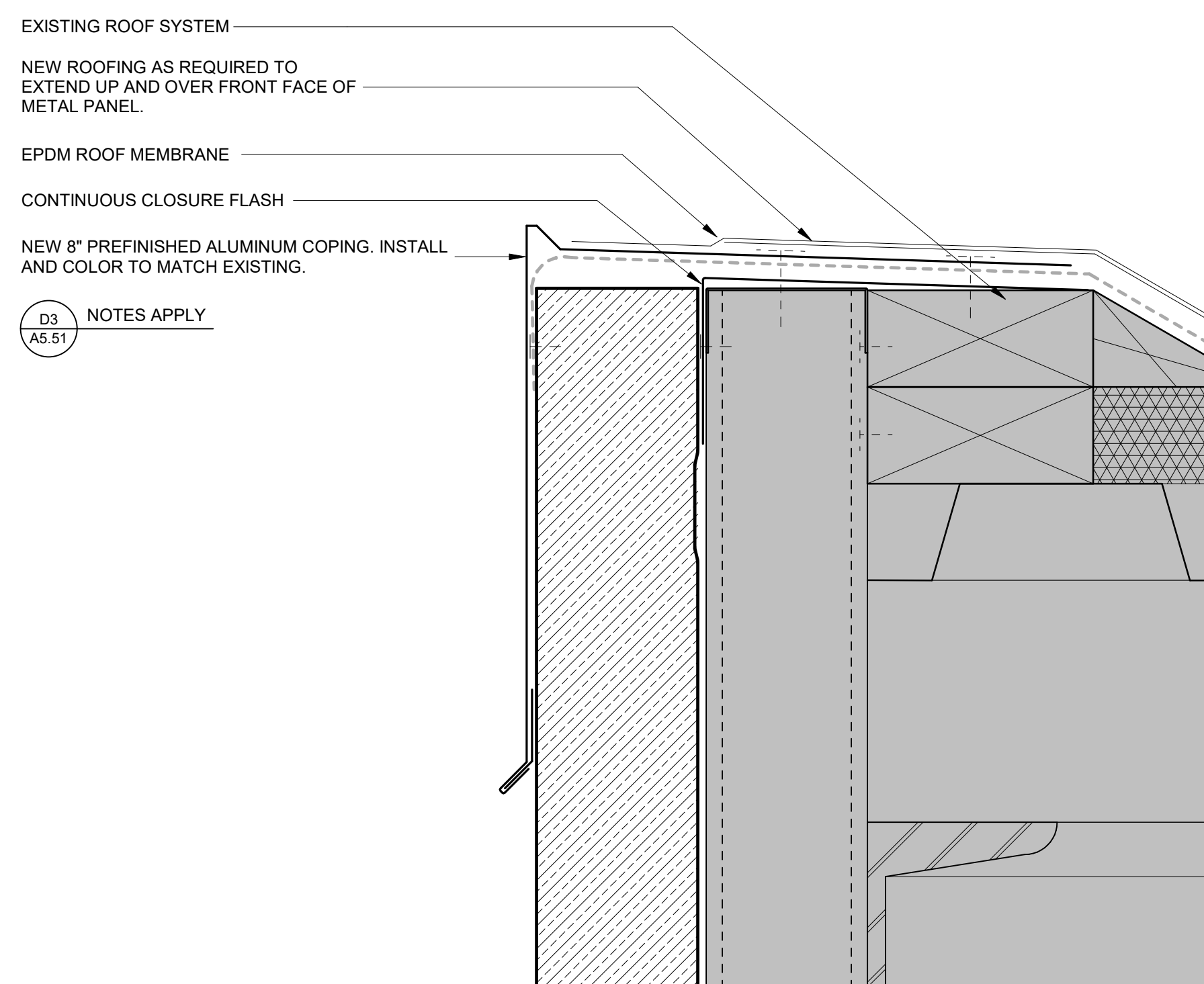
- EXISTING ROOF SYSTEM TO REMAIN.
- TAPERED ROOF INSULATION AS NEEDED TO MATCH EXISTING. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND PROVIDING POSITIVE DRAINAGE.
- SEE SPECIFICATIONS FOR TYPE OF ROOFING.
- CONTRACTOR RESPONSIBLE FOR MAINTAINING AN INSULATED, WEATHERTIGHT ENCLOSURE FOR THE DURATION OF CONSTRUCTION.
- CONTRACTOR RESPONSIBLE FOR REPAIRING ANY SITE DAMAGE FROM CONSTRUCTION ACTIVITIES TO ITS ORIGINAL CONDITION.
- REFER TO DETAILS OF CONSTRUCTION FOR ALL AREAS OF WORK. ALL DETAILS SHALL BE REVIEWED FOR SCOPE OF WORK.

ROOF PLAN KEY NOTES:

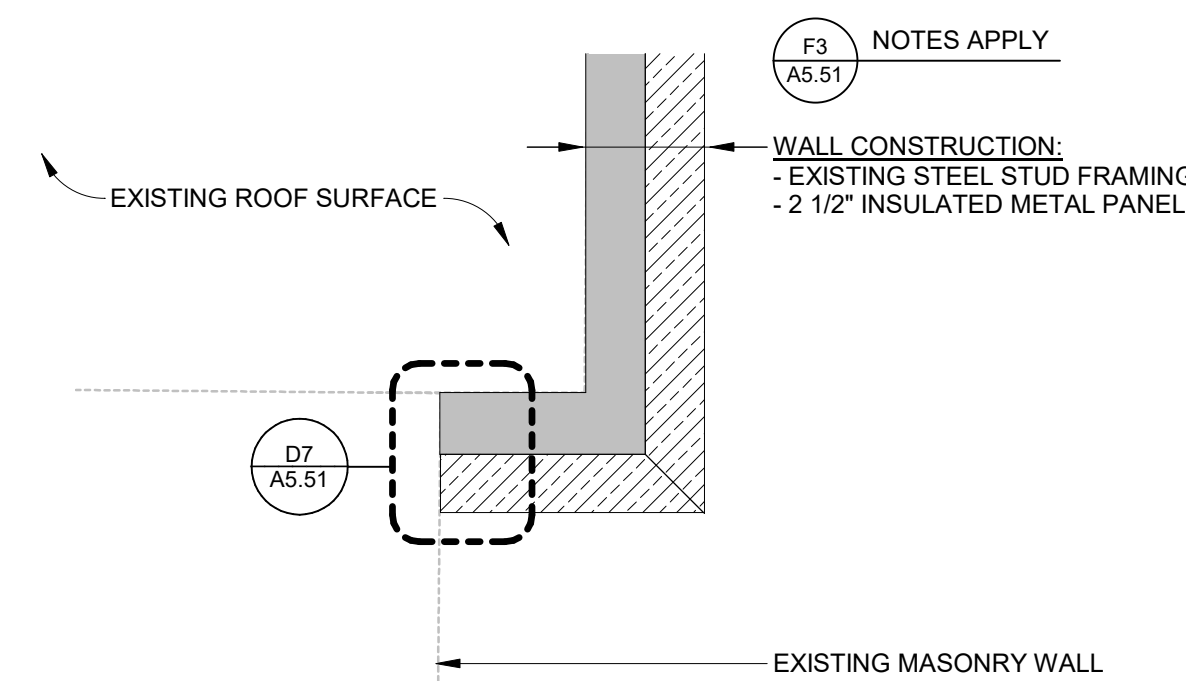
- 1 REMOVE EXISTING SHEET METAL COPING AND ROOFING AS REQUIRED FOR NEW WORK. INSTALL NEW COPING AND PATCH ROOFING AS DETAILED.
- 2 AT PERIMETER OF BRICK STAIR TOWERS, TUCKPOINT MASONRY FROM B.O. MTL. COPING TO (1/4) 4'-0" DOWN THE FACE OF THE MASONRY - VERIFY IN FIELD. TUCKPOINTING NOTES APPLY.



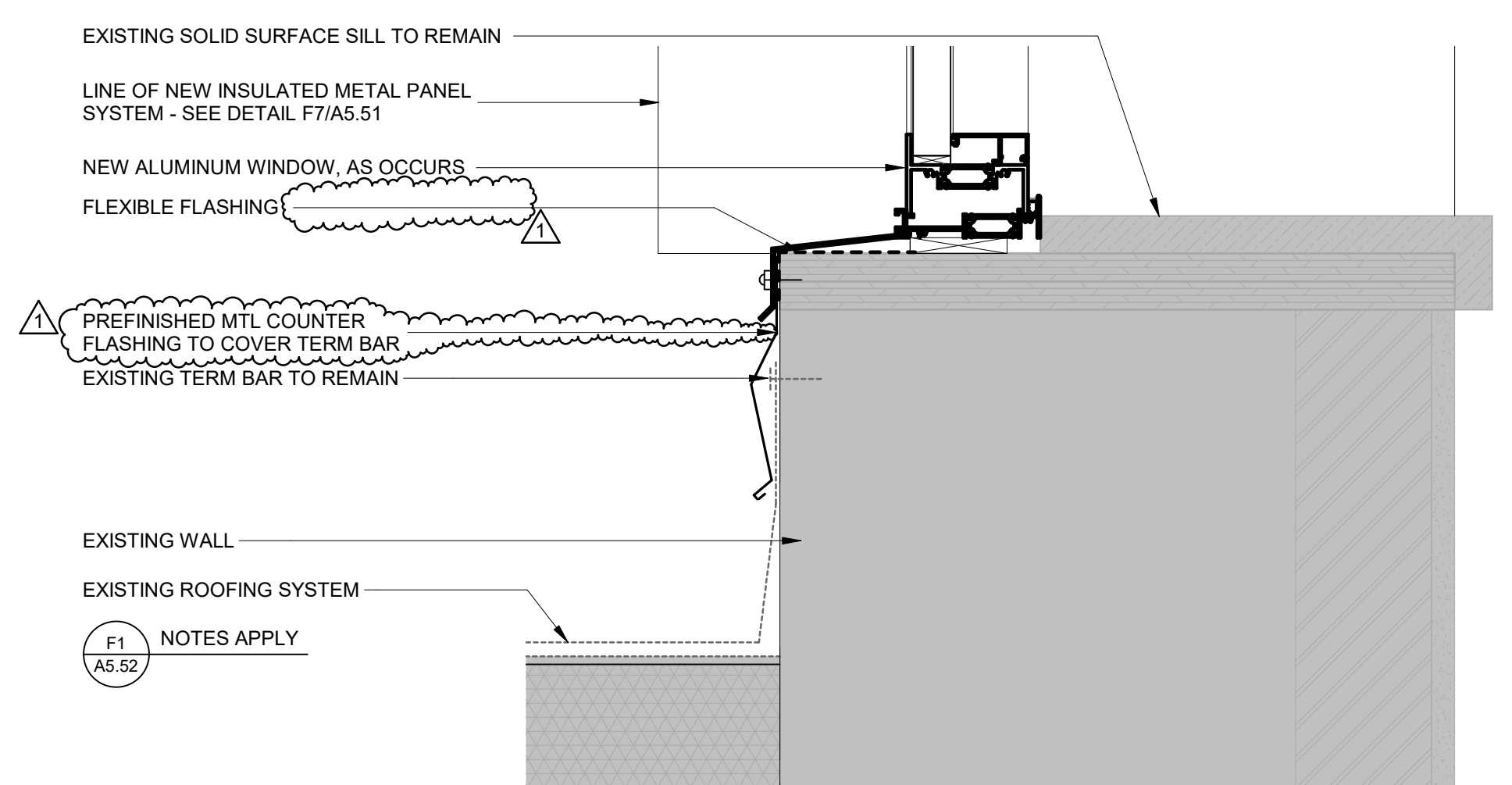
B1 ROOF PLAN
1/16" = 1'-0"
0 12 24'



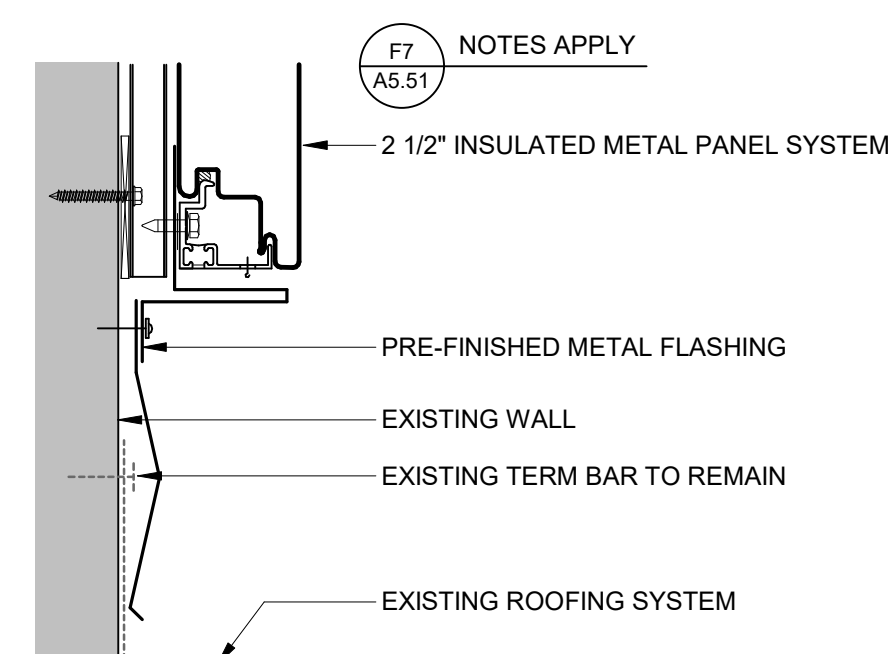
E1 GRAVEL STOP AT NEW CAP
6" = 1'-0"
0 1.5' 3'



E3 PLAN AT METAL PANEL SOFFIT
1 1/2" = 1'-0"
0 1/2' 1'



F1 NEW WINDOW AT EXISTING ROOF
3" = 1'-0"
0 3' 6'



F3 FLASHING DETAIL AT NEW METAL PANEL
3" = 1'-0"
0 3' 6'



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT under the laws of the State of Iowa.

R. Schroepfer
Roger Schroepfer
License Number: 06278 Date: 06.14.2019

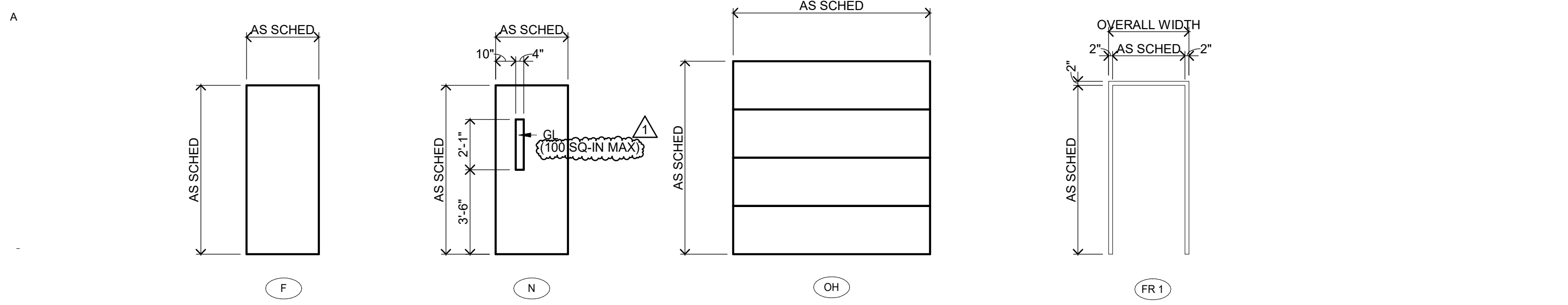
Description	Revisions	
	Date	Num
Addendum No. 1	06.25.2019	1

Comm: 193033
Date: 06.14.2019
Drawn: ACM
Check: KBE
North

ROOF PLAN AND DETAILS

Scale: As indicated

A2.11



DOOR AND FRAME TYPES - ALTERNATE #1

DOOR / OPENING SCHEDULE																
DOOR NO	TYPE	QTY	DOOR / OPENING		MATL	LABEL / RATING	OVERALL WIDTH	FRAME			MOUNTING CONDITIONS			REMARKS		
			WIDTH	HEIGHT				DEPTH	MATL	GL	HEAD	JAMB	SILL		HDW GRP	
240B	N	1	3'-0"	7'-0"	HM	90 MIN	3'-4"	FR 1	MATCH EXIST	HM	B0	E1/A5.52	E1/A5.52	--	1	1, 2, 3
241B	N	1	3'-0"	7'-0"	HM	90 MIN	3'-4"	FR 1	MATCH EXIST	HM	B0	E1/A5.52	E1/A5.52	--	1	1, 2, 3
221A	F	1	3'-0"	7'-0"	HM	--	3'-4"	FR 1	MATCH EXIST	HM	--	B1/A5.52	D1/A5.52	--	1	1, 2, 3
221C	OH	1	6'-0"	11'-0"	ST	--	6'-4"	OH	MATCH EXIST	ST	--	A4/A5.52	B4/A5.52	D4/A5.52	--	3

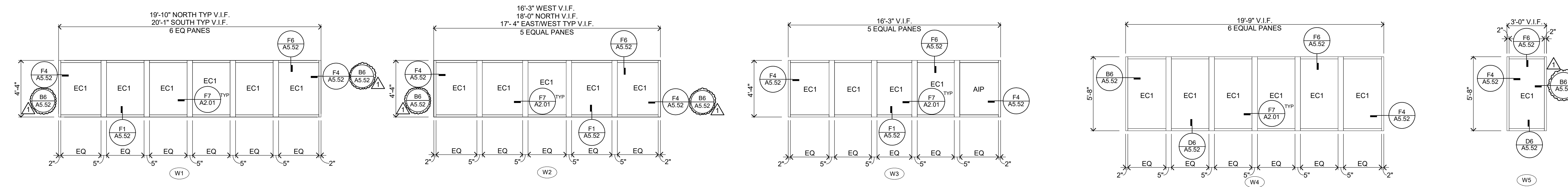
DOOR SCHEDULE GENERAL NOTES

- ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
- FRAME DEPTHS ARE TO MATCH EXISTING.
- FOR GLASS TYPES, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:
EXTERIOR NON-RATED:
CLEAR INSULATED (SAFETY INSULATED WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION)
- SEE SHEET A2.91 FOR FRAME TYPES.
- SEE SHEET A2.91 FOR DOOR TYPES.

DOOR SCHEDULE REMARKS

- NEW DOORS TO TIE INTO EXISTING CARD ACCESS SYSTEM.
- PAINT NEW HM DOORS AND FRAMES TO MATCH EXISTING.
- WORK PART OF ALTERNATE #1.

VERIFY LOCATIONS OF INTERIOR WALLS TO HIT MULLIONS AND ADJUST SPACING ACCORDINGLY.



WINDOW TYPES

ABBREVIATIONS

& AND	MAX MAXIMUM
@ AT	MBD MARKERBOARD
ACT ACOUSTICAL CEILING TILE	MECH MECHANICAL
AF ACCESS FLOORING	MEF MOSAIC EPOXY FLOORING
AFF ABOVE FINISHED FLOOR	MIN MINIMUM
ALT # ALTERNATE NUMBER	MIR MIRROR
ALUM ALUMINUM	MISC MISCELLANEOUS
AP ACCESS PANEL	NIC NOT IN CONTRACT
AWC ACOUSTICAL WALL COVERING	NO NUMBER
AWF ACOUSTICAL WALL FABRIC	NSF NON-SLIP FLOORING
AWP ACOUSTICAL WALL PANEL	NTS NOT TO SCALE
B BLK BURNISHED CONCRETE BLOCK	OH OVERHEAD
BLDG BUILDING	P LAM PLASTIC LAMINATE
BRK BRICK	P TILE PORCELAIN TILE
C BLK CONCRETE BLOCK	PLAS PLASTER
CG CORNER GUARD	PT PAINT
GP CAST-IN-PLACE	PTD PAINTED
CJ CONTROL JOINT	PVC POLYVINYL CHLORIDE
CL CENTER LINE	PWP PLASTIC (PHENOLIC) WALL PANEL
CLG CEILING	QRT QUARTZ
CM CULTURED MARBLE	QT QUARRY TILE
CMU CONCRETE MASONRY UNIT	R RADIUS
CONC CONCRETE	RAF RESILIENT ATHLETIC FLOORING
CONT CONTINUOUS	RCP REFLECTED CEILING PLAN
CPT CARPET	RD ROOF DRAIN
CRF CHEMICAL RESISTANT FLOORING	RES RESILIENT
CT CERAMIC TILE	RF RESINOUS FLOORING
CTP COUNTERTOP	RFT RUBBER FLOOR TILE
CU CONDENSING UNIT	RH RELIEF HOOD
CUH CABINET UNIT HEATER	RM ROOM
CW_ (#) CURTAINWALL TYPE	RTU ROOF TOP UNIT
DEMO DEMOLITION	RUB RUBBER
DF DRINKING FOUNTAIN	RWL RAIN WATER LEADER
DIA DIAMETER	SBD SMART BOARD
DN DOWN	SCHED SCHEDULE
E FT EPOXY PAINT	SD SOAP DISPENSER
EIPS EXTERIOR INSULATION AND FINISH SYSTEM	SF SQUARE FOOT (FEET)
EJ EXPANSION JOINT	SF_ (#) STOREFRONT TYPE
ELEC ELECTRICAL	SIM SIMILAR
ELEV ELEVATION	SND SANITARY NAPKIN DISPENSER
EPDM ETHYLENE PROPYLENE DIENE MONOMER	SNR SANITARY NAPKIN RECEPTOR
EWG ELECTRIC WATER COOLER	SST STAINLESS STEEL
EXIST EXISTING	STN STONE
EXP EXPOSED	STRUCT STRUCTURAL
FD FLOOR DRAIN	TBD TACKBOARD
FE FIRE EXTINGUISHER	TEMP TEMPORARY
FF&E FIXTURES	TERR TERRAZZO
FFE FINISHED FLOOR ELEVATION	TPH TOILET PAPER HOLDER
FRP FIBERGLASS REINFORCED PANEL	TWC TACKABLE WALLCOVERING
G BLK GLAZED CONCRETE BLOCK	TYP TYPICAL
GA GAUGE	UL UNDERWRITER'S LABORATORY
GB GRAB BAR	UNO UNLESS NOTED OTHERWISE
GRD BLK GROUND FACE CONCRETE BLOCK	URINAL URINAL
GST GLAZED STRUCTURAL TILE	USF URETHANE SLURRY FLOORING
GYP BD GYPSUM BOARD	V PLAS VENEER PLASTER
HCAP HANDICAPPED	VAT VINYL ASBESTOS TILE
HM HOLLOW METAL	VCT VINYL COMPOSITION TILE
HT HOMOGENEOUS TILE	VIF VERIFY IN FIELD
ID INSIDE DIAMETER	VTR VENT THROUGH ROOF
INSUL INSULATION	VWC VINYL WALLCOVERING
L_ (#) LOUVER TYPE	VWF VINYL WALL FABRIC
LAV LAVATORY	WC WATER CLOSET
LINO LINOLEUM	WD WOOD
LVT LUXURY VINYL TILE	WSCOT WAINSCOT
MS MIRROR WITH SHELF	WWF WELDED WIRE FABRIC
MATL MATERIAL	

SYMBOLS

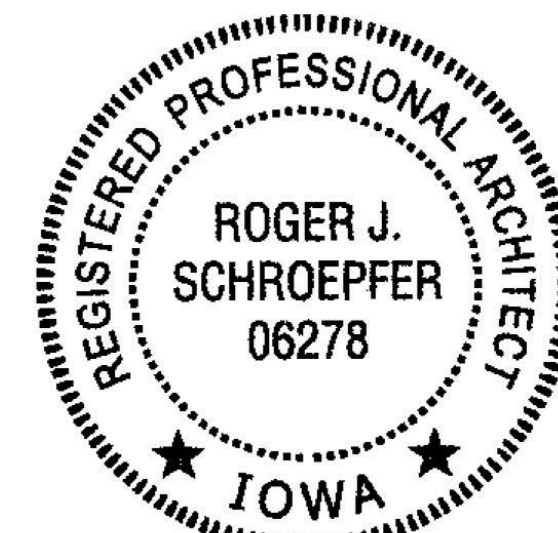
EARTH			
CONCRETE			
MASONRY/STONE			
METAL			
WOOD			
INSULATION			
MISCELLANEOUS			

SYMBOLS

PARTITIONS			
MISCELLANEOUS			

SYMBOLS

SECTIONS		ELEVATION	
GRIDS		REVISIONS	
ELEVATIONS		OWNER INFO, AS NEEDED	
OPENINGS, DEPRESSIONS OR AS NOTED		CEILING HEIGHT	
DETAIL REFERENCE		DOOR OR DWV SWING & NO	
NOTES, DIMENSIONS & DETAIL KEYS APPLY FROM NOTED DETAIL		BORROWED LIGHT	
MARKERBOARDS, TACKBOARDS, MAP RAILS		EXISTING WALL/ DOOR/ OTHER	
WALL TYPES		DEMOLISHED WALL/ DOOR/ OTHER	
EXTERIOR WINDOWS		HINGE SIDE	
STOREFRONT		WALL TYPES	
CURTAINWALL		EXTERIOR WINDOWS	
LOUVER		STOREFRONT	
		CURTAINWALL	
		LOUVER	



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT under the laws of the State of Iowa.

Roger Schroepfer
Number: 06278 Date: 06.14.2019

Description	Revisions	Date	Num
Addendum No. 1		06.25.2019	1

Comm: 193033
Date: 06.14.2019
Drawn: ACM
Check: KBE

DOOR/ FRAME/ WINDOW TYPES, SYMBOLS AND ABBREVIATIONS

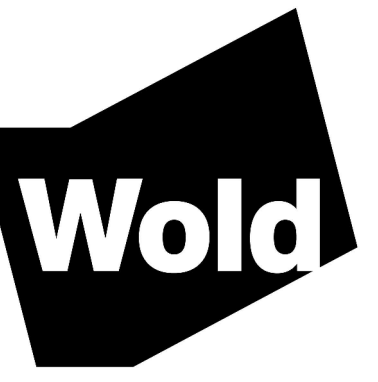
Scale: As indicated

A2.91

**Administration
Building Exterior
Reclad and Window
Replacement**

600 W 4th Street
Davenport, IA 52801

Scott County
600 W 4th Street
Davenport, IA 52801



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AND ENGINEERS**
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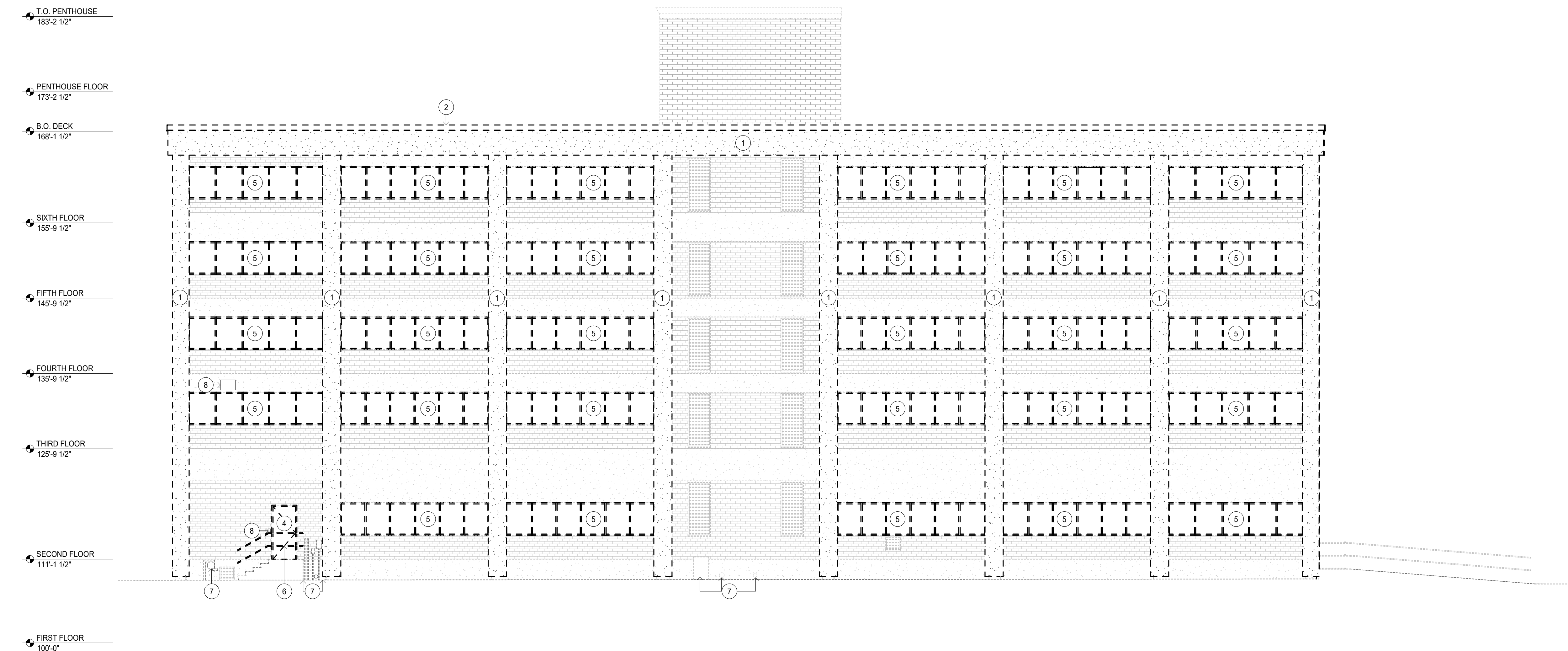
DEMOLITION ELEVATION GENERAL NOTES

- DEMOLITION NOTES AND PLANS ARE PROVIDED AS A GUIDE ONLY. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND EXAMINE DRAWINGS AND DETAILS TO DETERMINE EXTENT AND LIMITS OF DEMOLITION REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE ALL DEMOLITION WITH NEW CONSTRUCTION REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL THE ASPECTS OF DEMOLITION. CONTRACTOR TO REVIEW ALL DRAWINGS FOR ADDITIONAL DETAILS AND CONSTRUCTION SEQUENCING NOTES.
- PROVIDE AND COORDINATE ALL DEMOLITION AND RECONSTRUCTION WITH PROJECT DIMENSIONS AND INSTALLATION OF NEW MATERIALS AND FINISHES, AS REQUIRED, WHETHER INDICATED ON DRAWINGS OR NOT.
- PROVIDE SMOOTH, CLEAN SUBSTRATE TO ALL AREAS RECEIVING NEW FINISHES. COORDINATE WORK WITH PLANS AND THE ROOM FINISH SCHEDULE.
- DEMOLITION CONTRACTOR SHALL CAREFULLY REMOVE CONSTRUCTION DESIGNATED FOR REMOVAL TO MINIMIZE EXTENT OF DAMAGES TO ADJACENT SURFACES. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL DAMAGE CREATED DUE TO CONSTRUCTION.
- ALL RELATED WOOD BLOCKING, CONNECTION DEVICES AND/OR MASTIC SHALL BE REMOVED FROM SURFACES AT ITEMS NOTED FOR REMOVAL. PROVIDE SURFACES ACCEPTABLE FOR PATCHING.
- CONTRACTOR RESPONSIBLE FOR TRANSPORTATION AND DISPOSAL OF ALL DEMOLITION ITEMS UNLESS OTHERWISE NOTED. DISPOSE OF ALL MATERIALS LEGALLY OFF-SITE.
- NOTES WITHOUT ARROWS INDICATE THAT THE NOTE APPLIES TO THE ENTIRE AREA.
- REFER TO DETAILS OF CONSTRUCTION FOR ALL AREAS OF WORK. ALL DETAILS SHALL BE REVIEWED FOR SCOPE OF WORK.
- AT EXTERIOR DOORS/FRAMES THE CONTRACTOR SHALL PROVIDE WEATHER-TIGHT AND SECURE ENCLOSURES AS NECESSARY TO PROTECT AND SECURE THE BUILDING AND ITS CONTENTS. ENCLOSURES SHALL TYPICALLY BE OF WOOD STUDS AND 3/4" PLYWOOD SHEETING OR BETTER. ENCLOSURES CONSISTING OF PLASTIC SHEETING OR SIMILAR MATERIALS ARE NOT ACCEPTABLE. SURFACES OR MATERIALS DAMAGED BY INSTALLATION OF ENCLOSURES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
- CONTRACTOR RESPONSIBLE FOR CONTAMINATION AND CLEANING OF CONSTRUCTION DUST AND DEBRIS AFTER ANY DEMOLITION OR INSTALLMENT WORK.

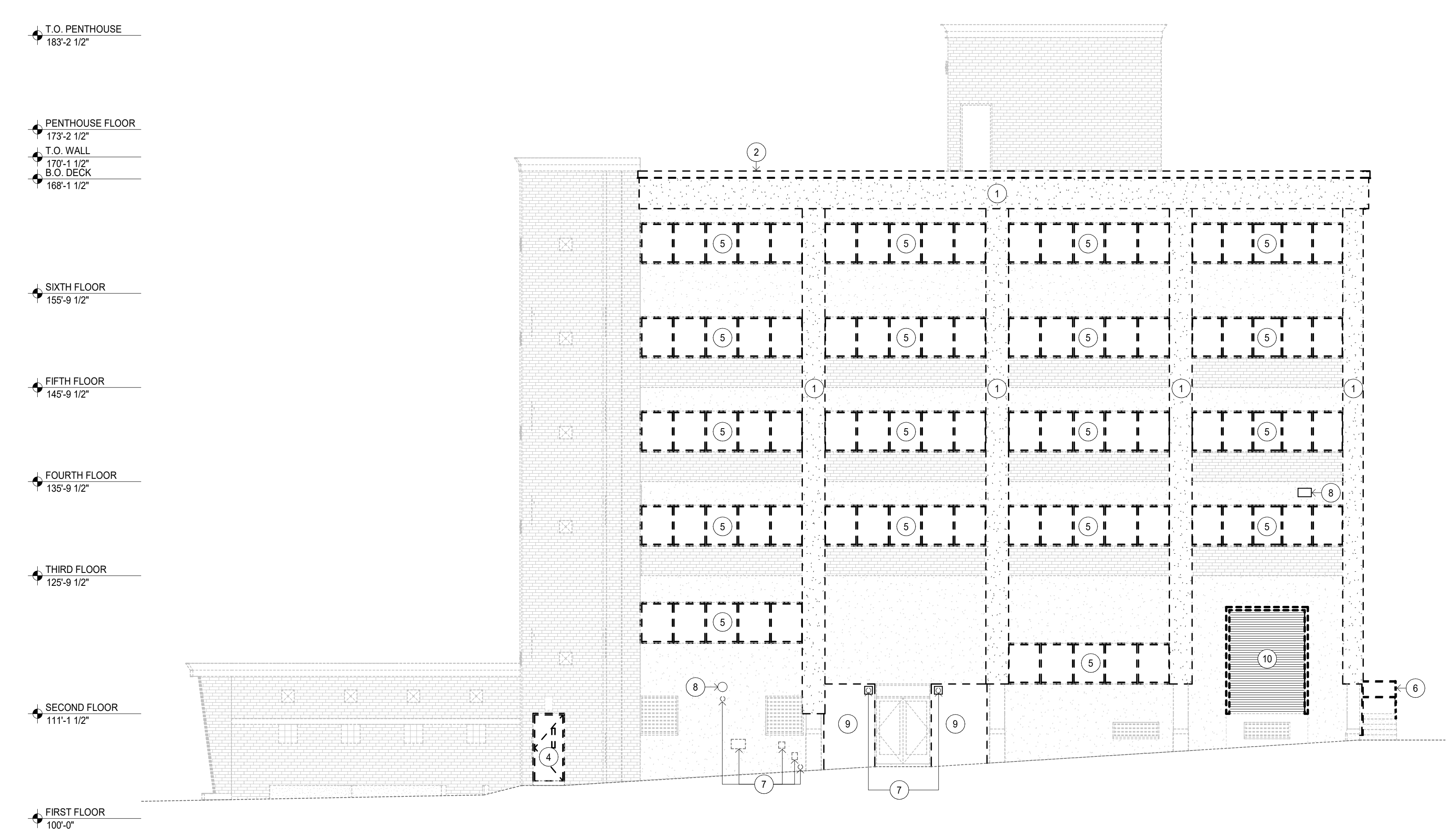
DEMOLITION ELEVATION KEY NOTES:

- REMOVE EXISTING EXPOSED AGGREGATE PANEL INCLUDING ALL ASSOCIATED ANCHORS AND BLOCKING. EXISTING STEEL FRAMING TO REMAIN.
- REMOVE EXISTING SHEET METAL COPING FOR NEW WORK.
- REMOVE AND CAP EXISTING ABANDONED LOUVER. SEE DETAIL E1/A5.51.
- REMOVE EXISTING DOOR AND FRAME INCLUDING ALL ANCHORS, BLOCKING, HARDWARE, ETC. AS OCCURS - ALTERNATE #1.
- REMOVE EXISTING WINDOW SYSTEM INCLUDING ALL ASSOCIATED ANCHORS, BLOCKING AND EXISTING FLASHINGS AND SILL.
- REMOVE EXISTING HANDRAIL INCLUDING ALL ASSOCIATED ANCHORS AND BLOCKING - ALTERNATE #1.
- PROTECT EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT. SEE DETAIL B5/A5.51 AND B7/A5.51 FOR INSTALLATION OF METAL PANEL AROUND WALL PENETRATIONS.
- REMOVE, SALVAGE AND REINSTALL EXISTING EXTERIOR LIGHT FIXTURES AND OTHER ELECTRICAL COMPONENTS.
- REMOVE EXISTING PLYWOOD SHEATHING. EXISTING FRAMING TO REMAIN. PROTECT EXISTING STOREFRONT TO REMAIN.
- REMOVE EXISTING OVERHEAD DOOR AND FRAME - ALTERNATE #1.
- REMOVE REMAINING EPIS ON MTL. STUD WALL AND ASSOCIATED ANCHORS AND BLOCKING.
- REMOVE AND SALVAGE EXISTING SCOTT COUNTY SIGN. "ADMINISTRATIVE CENTER" LETTERS TO REMAIN. SIGN TO BE INSTALLED INSIDE MAIN LOBBY. COORDINATE WITH OWNER.

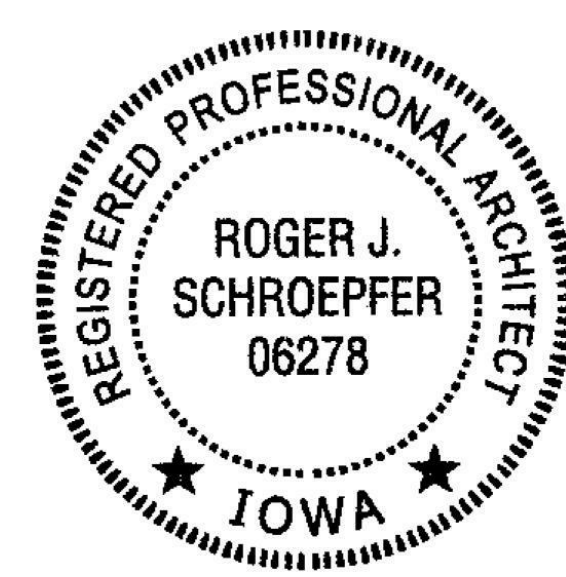
IL



C1 NORTH DEMOLITION ELEVATION
1/8" = 1'-0"
0 6 12



F1 EAST DEMOLITION ELEVATION
1/8" = 1'-0"
0 6 12



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT under the laws of the State of Iowa.

Roger Schroepfer
License Number: 06278 Date: 06.14.2019

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**DEMOLITION
ELEVATIONS**

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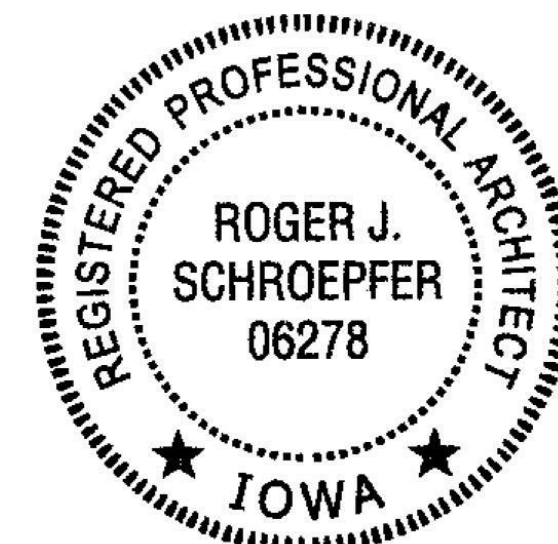
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DEMOLITION ELEVATION GENERAL NOTES

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- REMOVE, SALVAGE AND REINSTALL EXISTING EXTERIOR LIGHT FIXTURES AND OTHER ELECTRICAL COMPONENTS.
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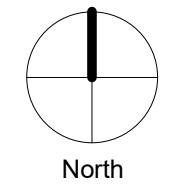


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Roger Schroeppfer
License Number: 06278 Date: 06.14.2019

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	Date	Num
Addendum No. 1	06.25.2019	1

Comm: 193033
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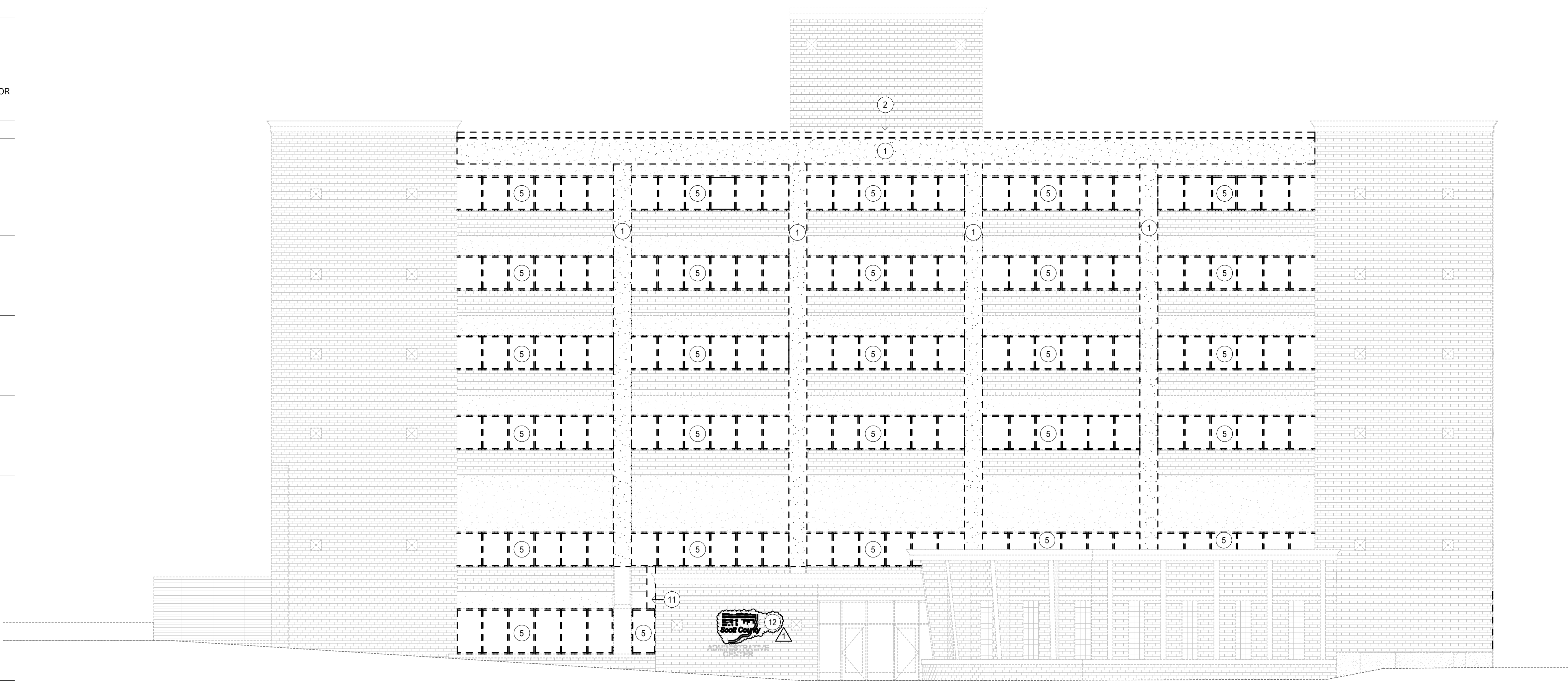


**DEMOLITION
ELEVATIONS**

Scale: As indicated

A5.02

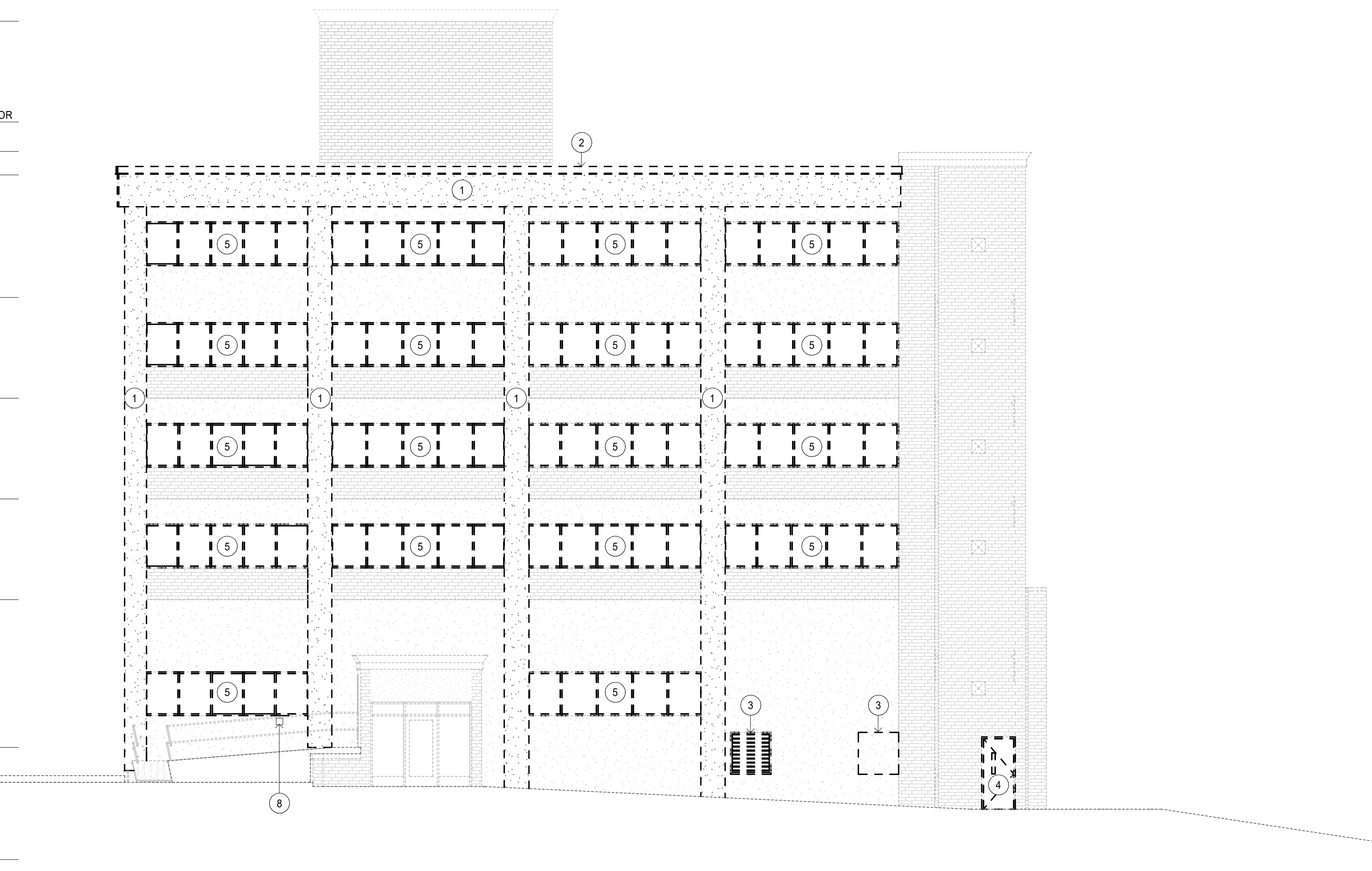
- T.O. PENTHOUSE
183'-2 1/2"
- PENTHOUSE FLOOR
173'-2 1/2"
- T.O. WALL
170'-1 1/2"
- B.O. DECK
168'-1 1/2"
- SIXTH FLOOR
155'-0 1/2"
- FIFTH FLOOR
145'-0 1/2"
- FOURTH FLOOR
135'-0 1/2"
- THIRD FLOOR
125'-0 1/2"
- SECOND FLOOR
111'-1 1/2"
- FIRST FLOOR
100'-0"



C1 SOUTH DEMOLITION ELEVATION

1/8" = 1'-0"
0 6 12

- T.O. PENTHOUSE
183'-2 1/2"
- PENTHOUSE FLOOR
173'-2 1/2"
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- FOURTH FLOOR
135'-0 1/2"
- THIRD FLOOR
125'-0 1/2"
- SECOND FLOOR
111'-1 1/2"
- FIRST FLOOR
100'-0"



F1 WEST DEMOLITION ELEVATION

1/8" = 1'-0"
0 6 12

IL

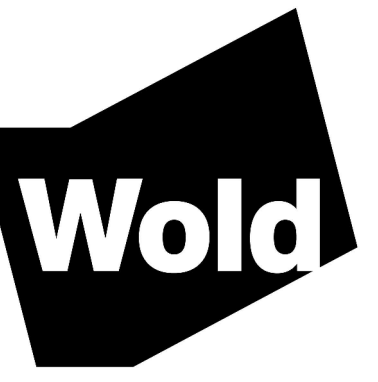
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06/14/2019 10:58 AM
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 1/8" = 1'-0"

**Administration
Building Exterior
Reclad and Window
Replacement**

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EXTERIOR ELEVATION GENERAL NOTES

1. PROTECT ALL EXISTING EXTERIOR EQUIPMENT AND FINISHES TO REMAIN.

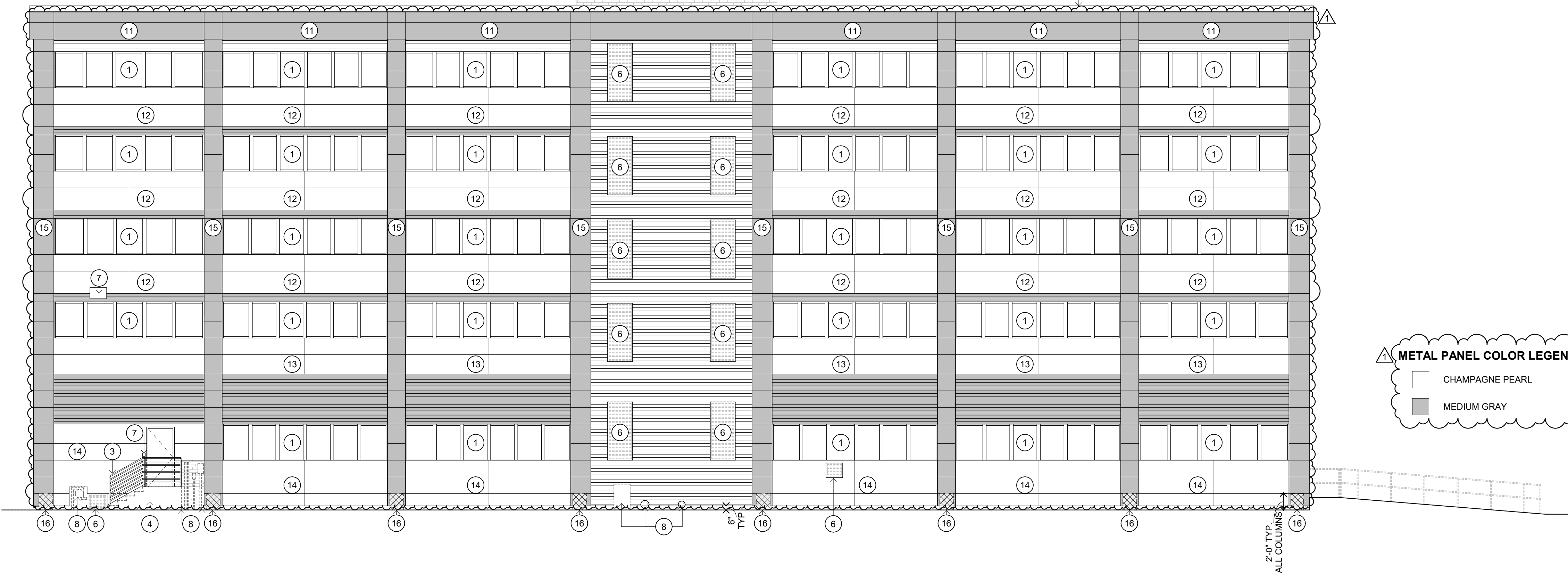
EXTERIOR ELEVATION KEY NOTES:

1. INSTALL NEW WINDOW SYSTEM IN EXISTING OPENING.
2. INSTALL PRE-FINISHED METAL COPING TO MATCH EXISTING. SEE DETAIL E1/A2.11.
3. NEW METAL HANDRAIL AND ASSOCIATED MOUNTING HARDWARE - ALTERNATE #1.
4. PATCH EXISTING CONCRETE STAIRS - ALTERNATE #1.
5. INSTALL ALUMINUM INSULATED PANEL IN WINDOW SYSTEM.
6. EXISTING LOUVER TO REMAIN. PAINT TO MATCH ADJACENT INSULATED METAL PANEL.
7. LOCATION OF REINSTALLED LIGHT FIXTURES AND OTHER ELECTRICAL EQUIPMENT.
8. SEE DETAIL B5/A5.51 FOR CONDITIONS AROUND MECH AND ELEC EQUIPMENT TO REMAIN. SEE DETAIL B7/A5.51 FOR CONDITIONS AROUND WALL PENETRATIONS. PAINT EXPOSED WALL SURFACE TO COORDINATE WITH METAL PANEL COLOR.
9. REMOVING PORTION OF WOOD FENCING AS REQUIRED FOR METAL PANEL INSTALLATION SALVAGE AND REINSTALL.
10. AT REMOVED PLYWOOD SHEATHING INSTALL EXTERIOR SHEATHING OVER EXISTING FRAMING. TAPE AT SEAMS AND COVER WITH NEW INSULATED METAL PANEL SYSTEM AS SHOWN.
11. NEW 2 1/2" INSULATED METAL PANEL SYSTEM ATTACHED TO EXISTING STRUCTURE. SEE DETAIL B7/A5.53 FOR TYPICAL PATTERN.
12. NEW 2 1/2" INSULATED METAL PANEL SYSTEM. SEE DETAIL C7/A5.53 FOR TYPICAL PATTERN.
13. NEW 2 1/2" INSULATED METAL PANEL SYSTEM. SEE DETAIL E7/A5.53 FOR TYPICAL PATTERN.
14. NEW 2 1/2" INSULATED MTL PANEL SYSTEM. SEE DETAIL F7/A5.53 FOR TYPICAL PATTERN.
15. NEW 2 1/2" INSULATED MTL PANEL SYSTEM. ALIGN PATTERN WITH ADJACENT METAL PANELS. SEE DETAIL F5/A5.53 FOR ADDITIONAL PATTERN SPACING.
16. PATCH CONCRETE AT ENTIRE BASE OF COLUMN TO HEIGHT SHOWN TO COVER EXPOSED REBAR. USE BASF MASTER EMACO M228S REPAIR MORTAR OR EQUAL.
17. LOCATION OF NEW METAL SIGN. SEE DETAIL D7/A5.12.

METAL PANEL COLOR LEGEND

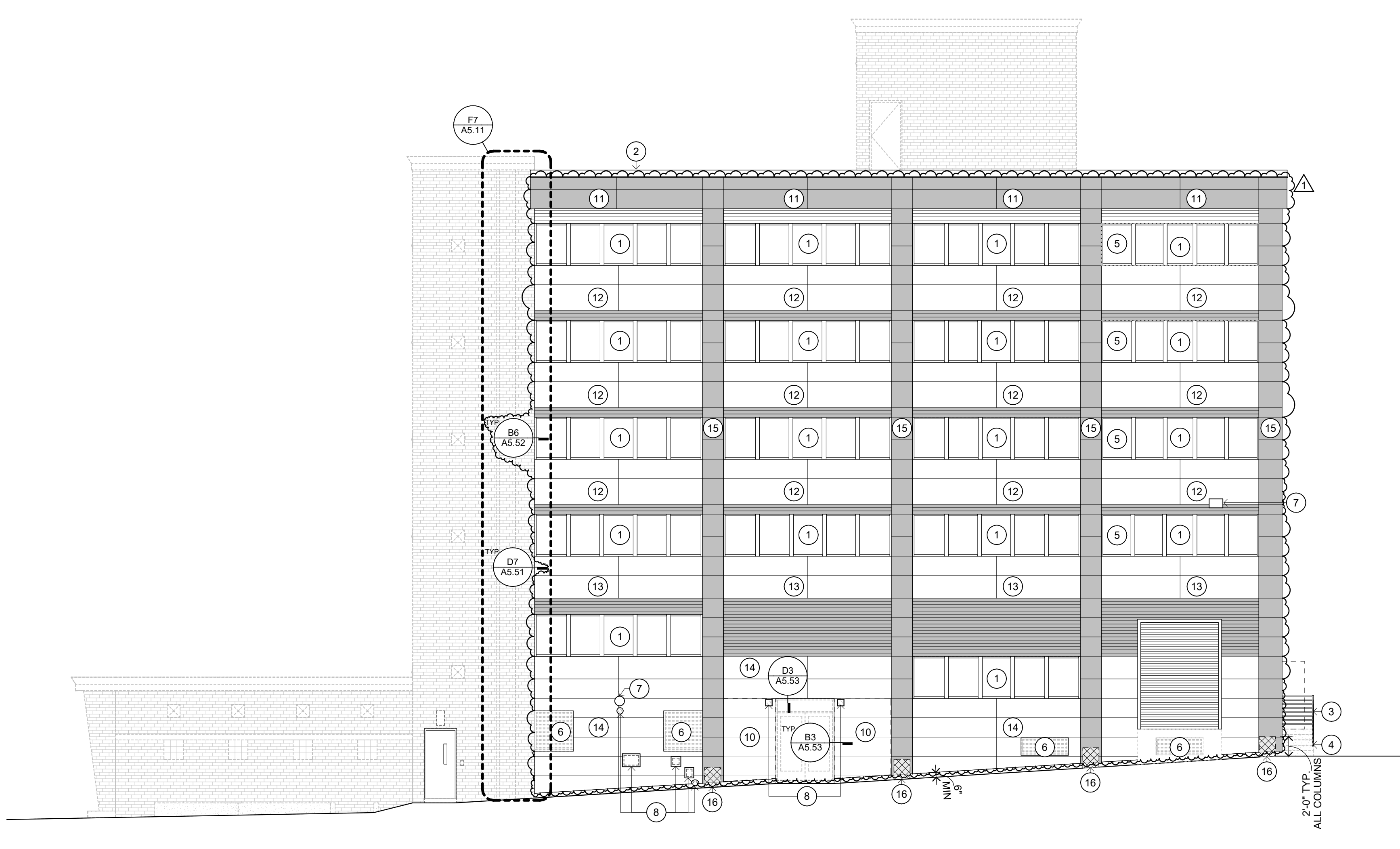
- CHAMPAGNE PEARL
- MEDIUM GRAY

- T.O. PENTHOUSE
183'-2 1/2"
- PENTHOUSE FLOOR
173'-2 1/2"
- B.O. DECK
168'-1 1/2"
- SIXTH FLOOR
155'-9 1/2"
- FIFTH FLOOR
145'-9 1/2"
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135'-9 1/2"
- THIRD FLOOR
125'-9 1/2"
- SECOND FLOOR
111'-1 1/2"
- FIRST FLOOR
100'-0"



C1 NORTH ELEVATION
1/8" = 1'-0"
0 6 12

- T.O. PENTHOUSE
183'-2 1/2"
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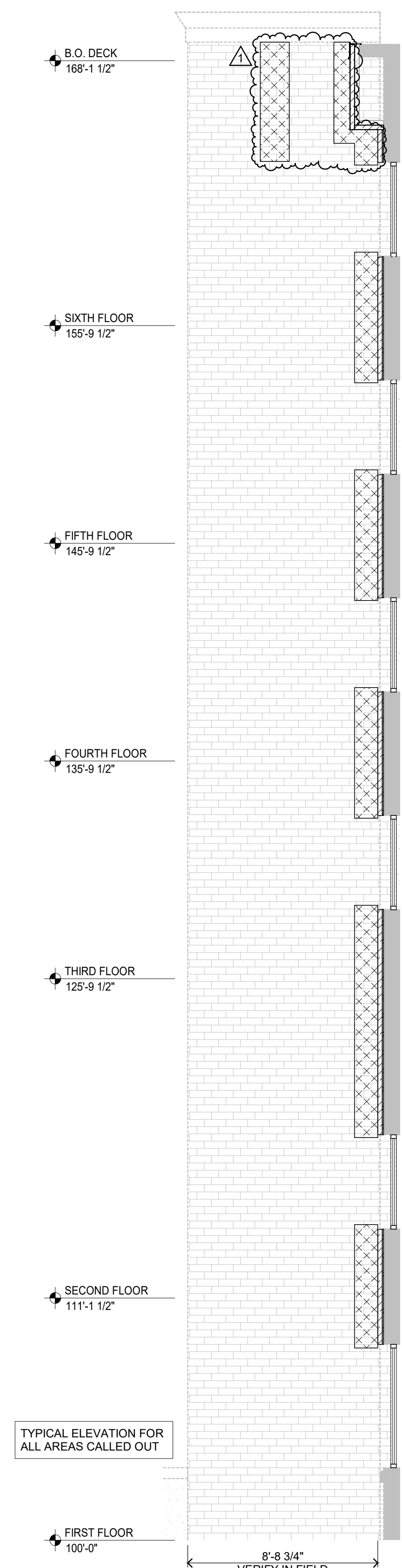


F1 EAST ELEVATION
1/8" = 1'-0"
0 6 12

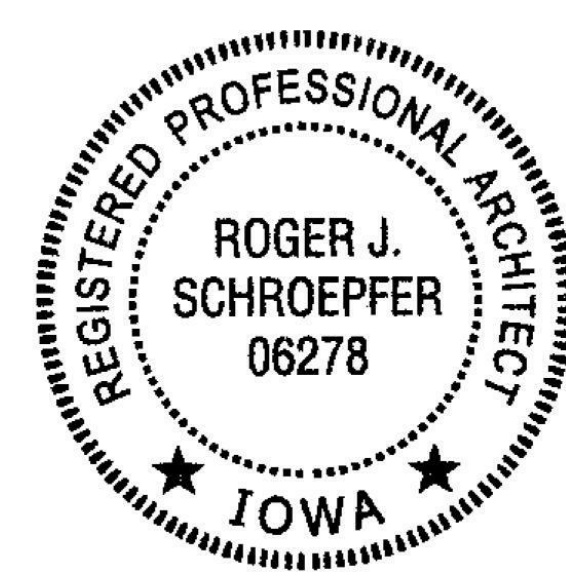
- TUCKPOINTING NOTES**
1. COORDINATE MASONRY WORK WITH SURFACE MOUNTED ITEMS AS REQUIRED. COORDINATE ANY POTENTIAL UTILITY SERVICE INTERRUPTIONS W/ BUILDING STAFF. WORK TO BUILDING STAFF SCHEDULES WHENEVER POSSIBLE.
 2. SEAL ALL PIPE, CONDUIT, DUCT AND OTHER MASONRY WALL PENETRATIONS WHERE CURRENT SEAL IS INSUFFICIENT FOR A PROPER WEATHER SEAL.
 3. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN FIELD.
 4. SEE DETAILS E6/A5.52 FOR LEVEL OF MASONRY REPAIR.
 5. TOOTH-IN ALL MASONRY REPAIRS/REBUILDS TO EXISTING MASONRY. MATCH COURSING PATTERNS OF EXISTING MASONRY.
 6. REMOVE ANY REMAINING EIFS AND ASSOCIATED ADHESIVES. BLOCKING AND ANCHORS AT BRICK STAIRWELLS.

TUCKPOINTING LEGEND

- ☒ GRIND & TUCKPOINT 100% OF MASONRY JOINTS



F7 TUCKPOINT AT EXISTING WINDOW JAMBS
1/4" = 1'-0"
0 3 6



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT under the laws of the State of Iowa.

Roger Schroeppfer
06278 Date: 06.14.2019

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EXTERIOR ELEVATIONS

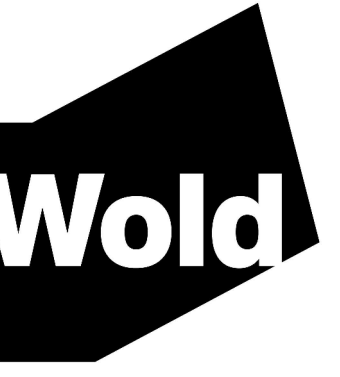
Scale: As indicated

A5.11

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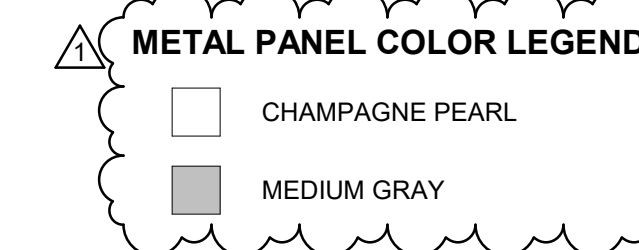
woldac.com | 847 241 6100

EXTERIOR ELEVATION GENERAL NOTES

1. PROTECT ALL EXISTING EXTERIOR EQUIPMENT AND FINISHES TO REMAIN.

EXTERIOR ELEVATION KEY NOTES:

1. INSTALL NEW WINDOW SYSTEM IN EXISTING OPENING.
2. INSTALL PRE-FINISHED METAL COPING TO MATCH EXISTING. SEE DETAIL E1/A2.11.
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17. LOCATION OF NEW METAL SIGN. SEE DETAIL D7/A5.12. PAINT COLORS TO COORDINATE WITH EXISTING SCOTT COUNTY LOGO.



- T.O. PENTHOUSE
183'-2 1/2"
- PENTHOUSE FLOOR
173'-2 1/2"
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C1 SOUTH ELEVATION
1/8" = 1'-0"

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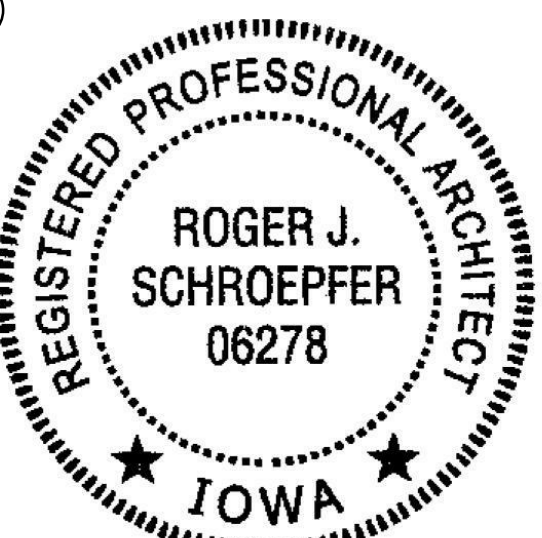
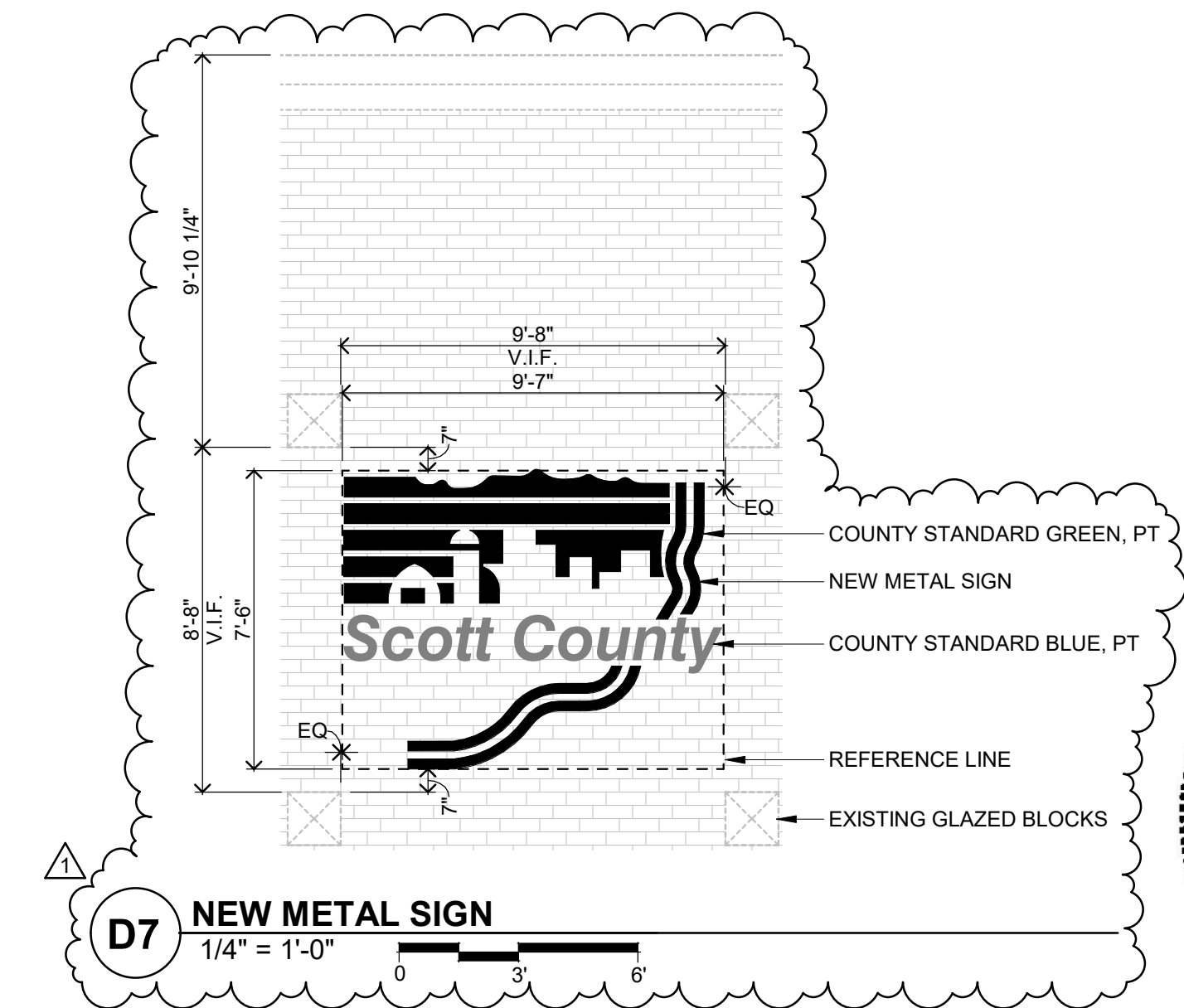
F1 WEST ELEVATION
1/8" = 1'-0"

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3. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN FIELD.
4. SEE DETAILS E6/A5.52 FOR LEVEL OF MASONRY REPAIR.
5. TOOTH-IN ALL MASONRY REPAIRS/REBUILDS TO EXISTING MASONRY MATCH COURSING PATTERNS OF EXISTING MASONRY.
6. REMOVE ANY REMAINING EPS AND ASSOCIATED ADHESIVES, BLOCKING AND ANCHORS AT BRICK STAIRWELLS.

TUCKPOINTING LEGEND

- ☒ GRIND & TUCKPOINT 100% OF MASONRY JOINTS



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Roger Schroepfer
06278
Date: 06.14.2019

Description	Revisions	
	Date	Num
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Comm: 193033
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Check: KBE
North

**EXTERIOR
ELEVATIONS**

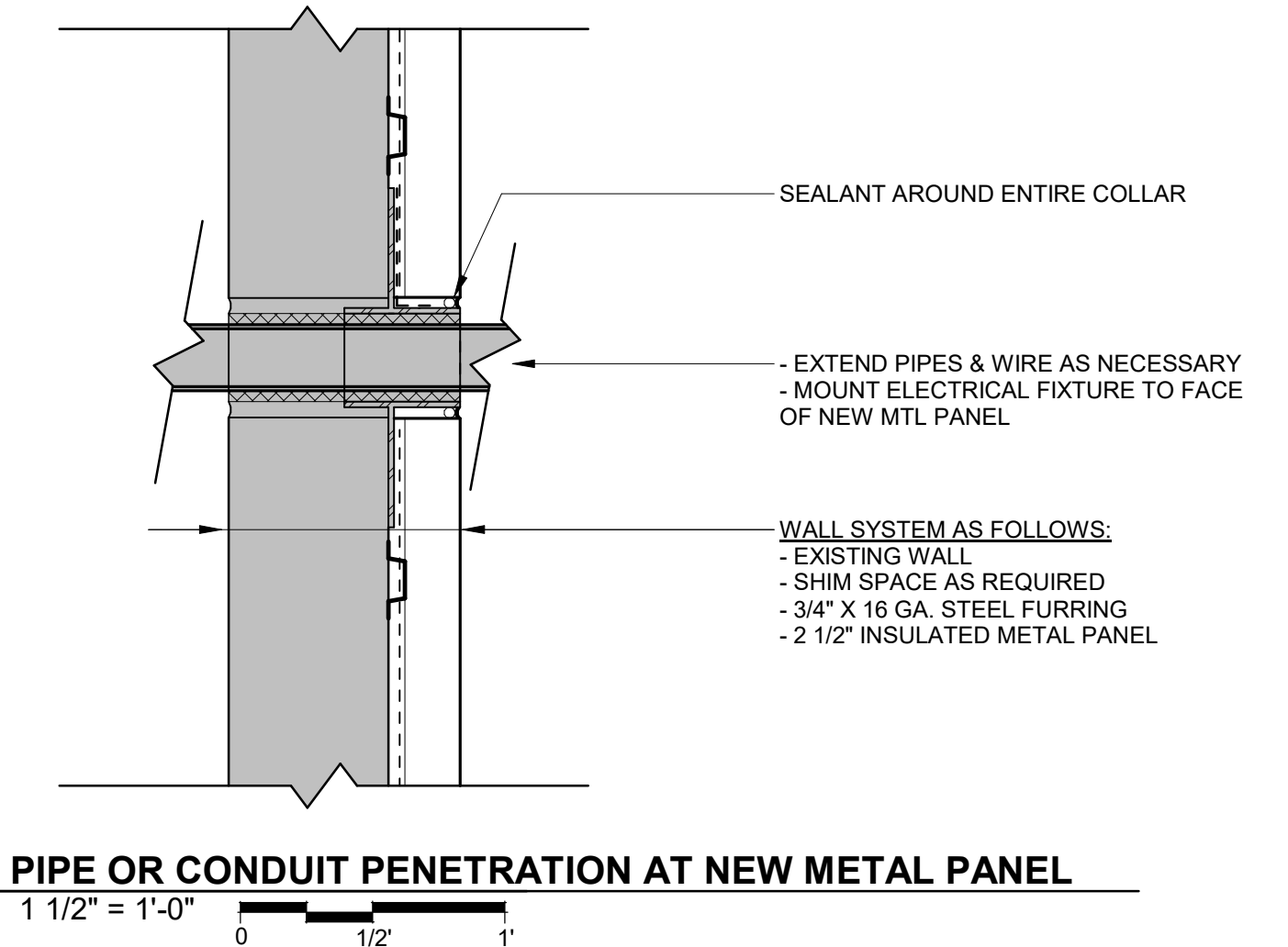
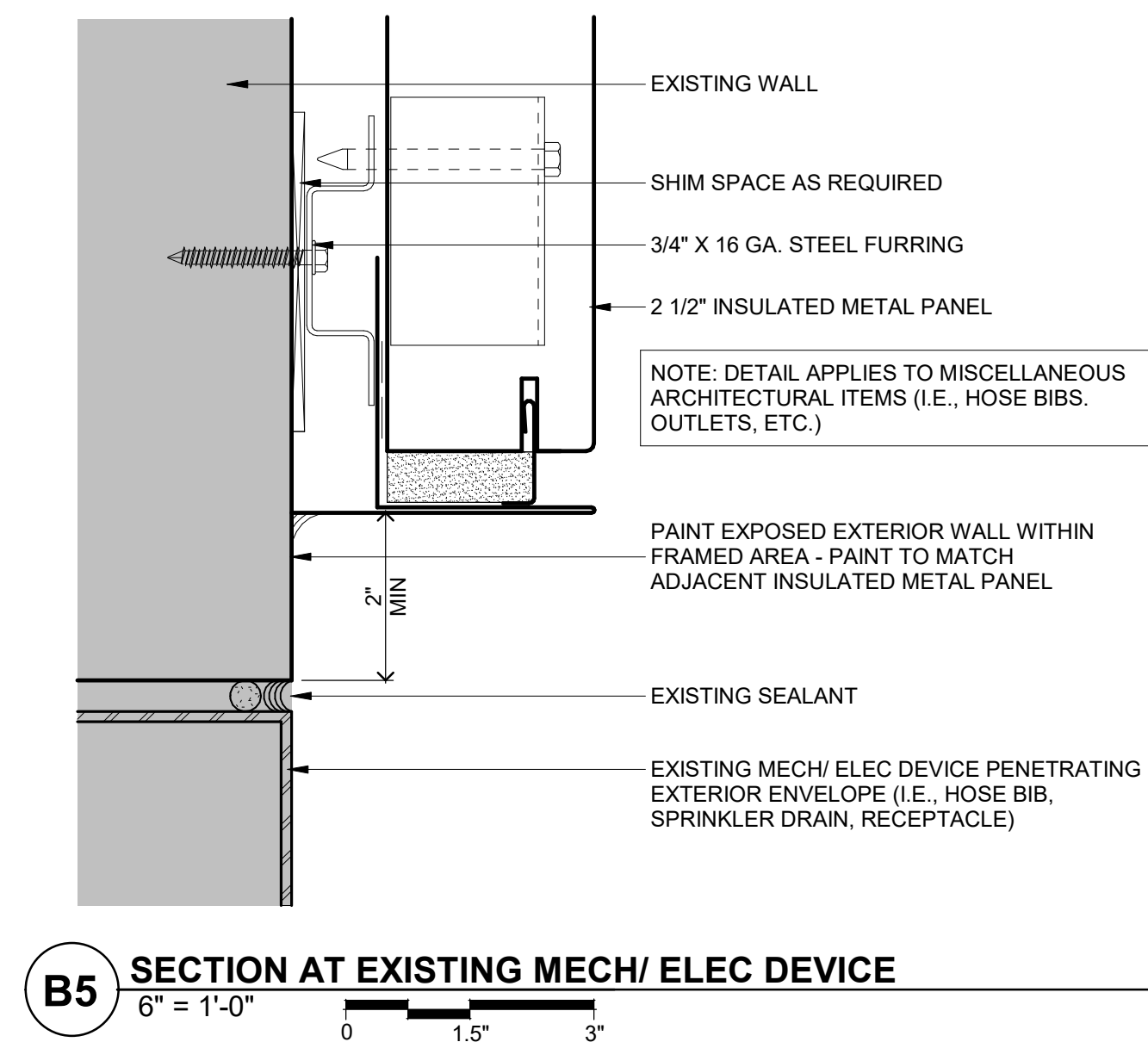
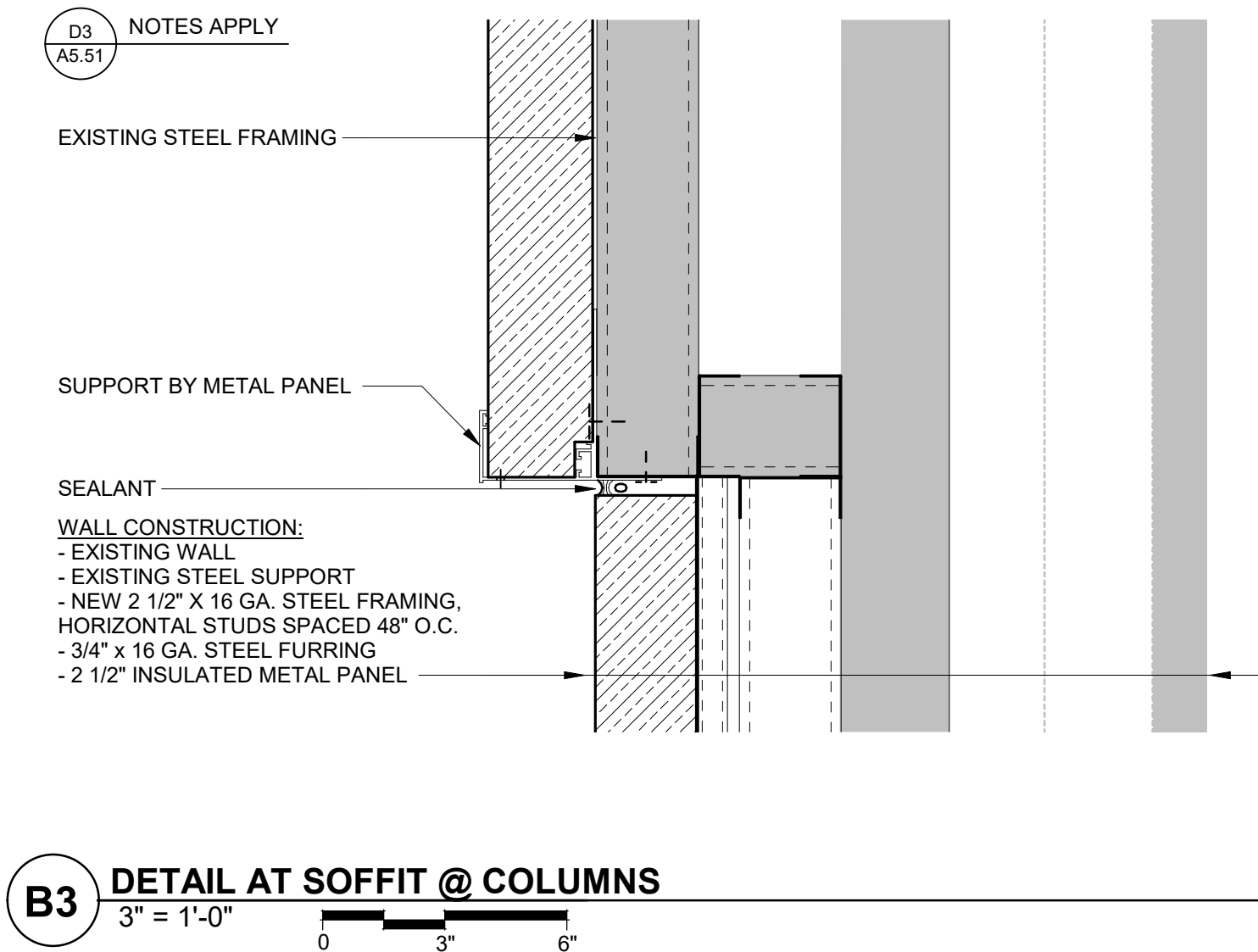
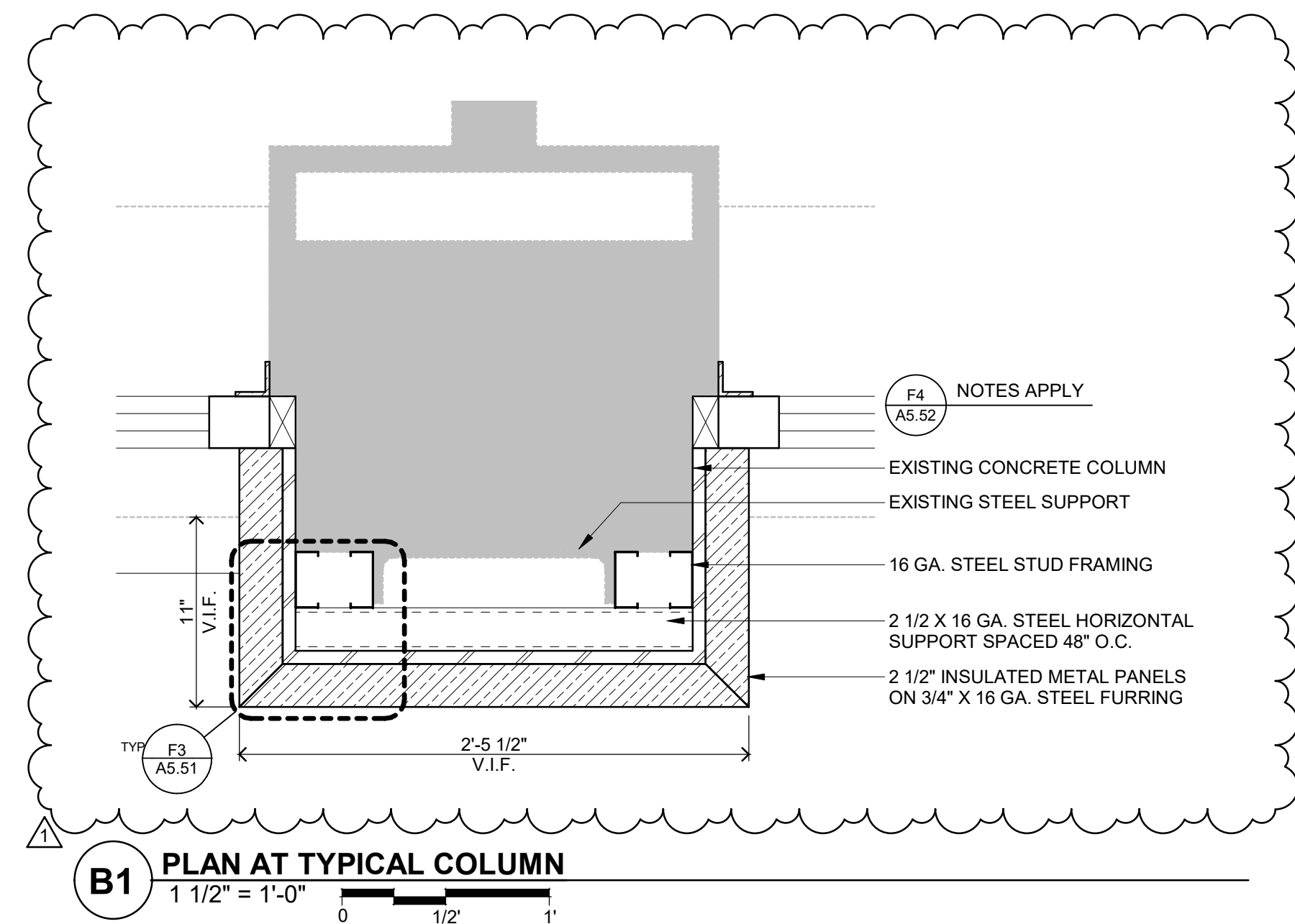
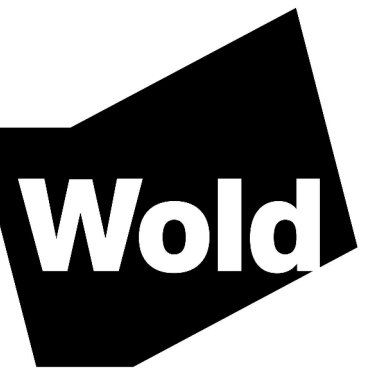
Scale: As indicated

A5.12

F5 WING WALL ELEVATION WEST
1/4" = 1'-0"

F6 WING WALL ELEVATION SOUTH
1/4" = 1'-0"

F7 WING WALL ELEVATION EAST
1/4" = 1'-0"

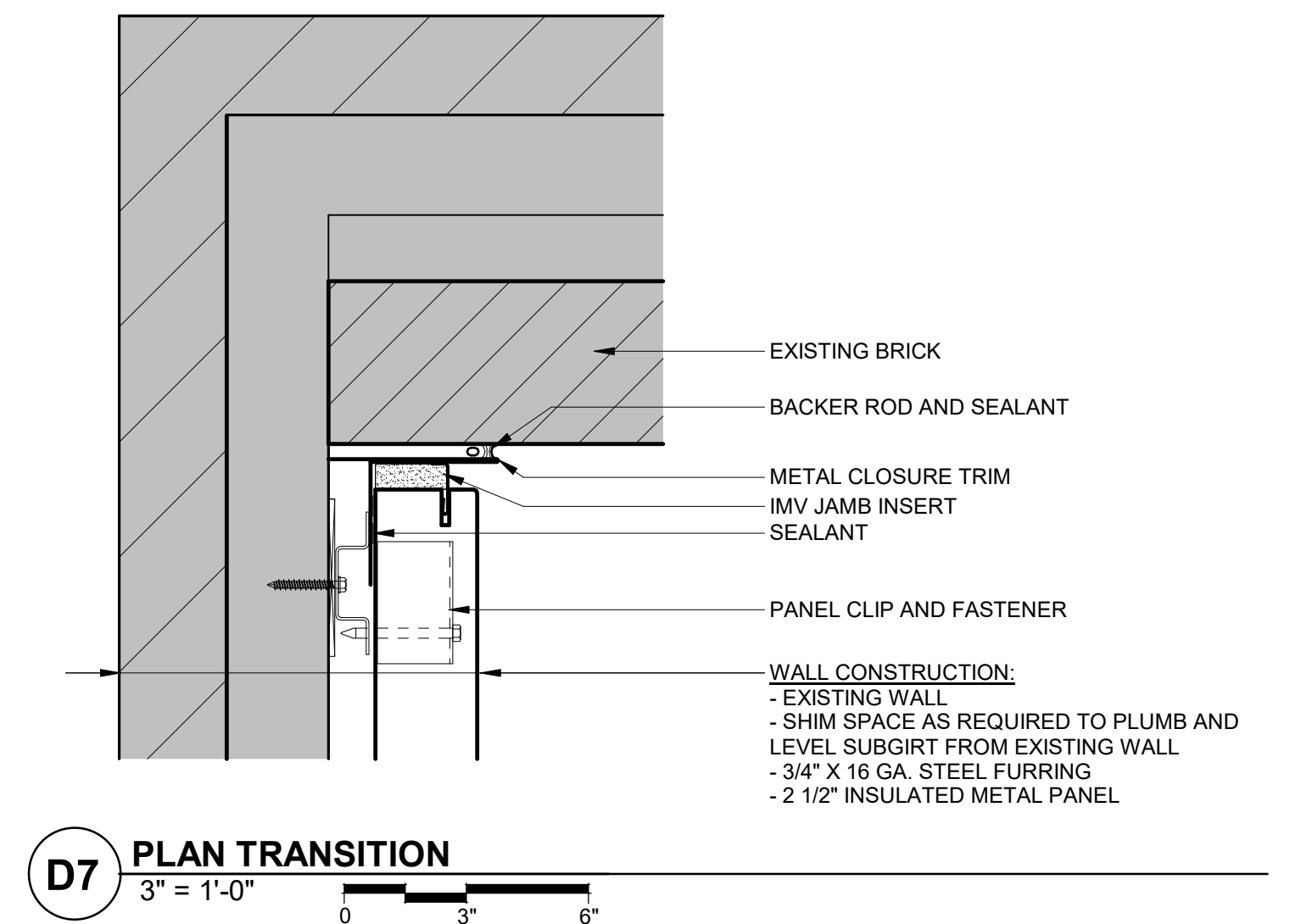
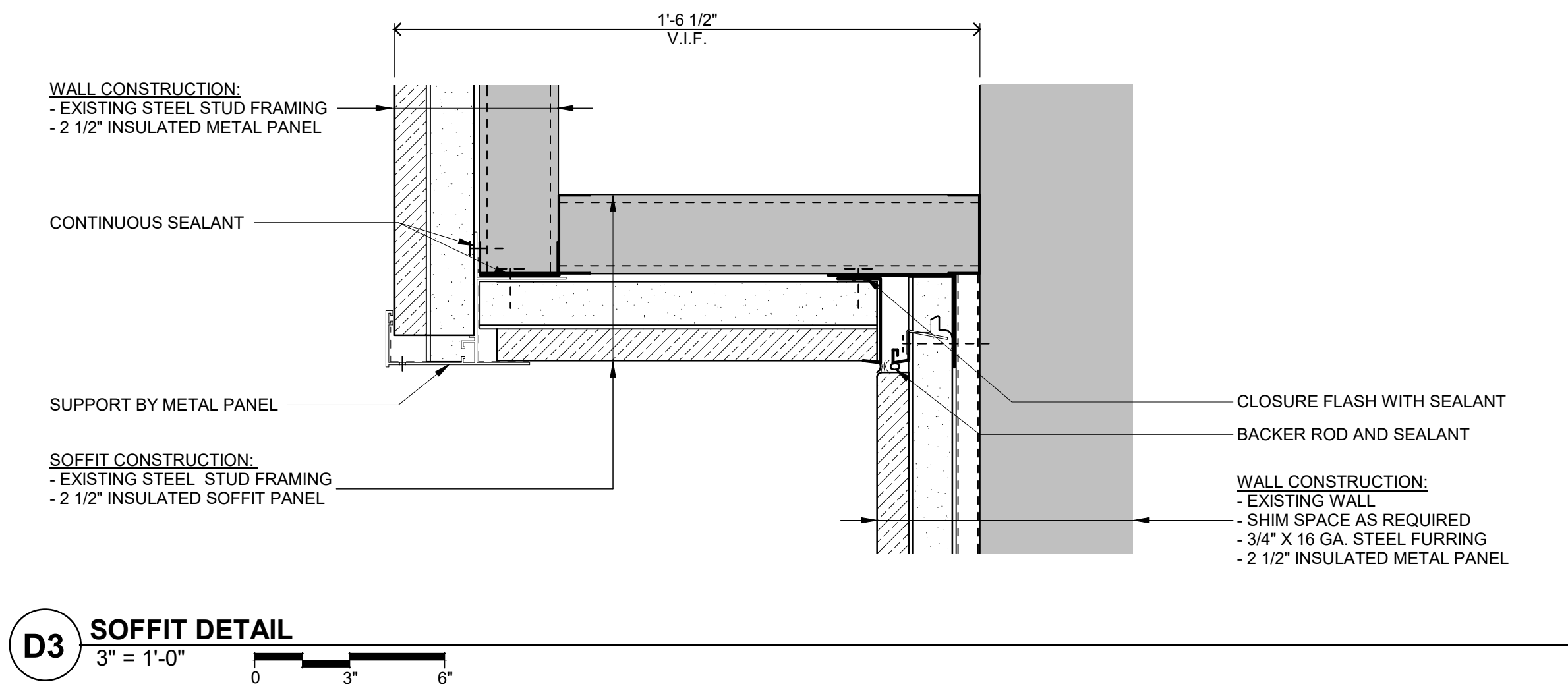
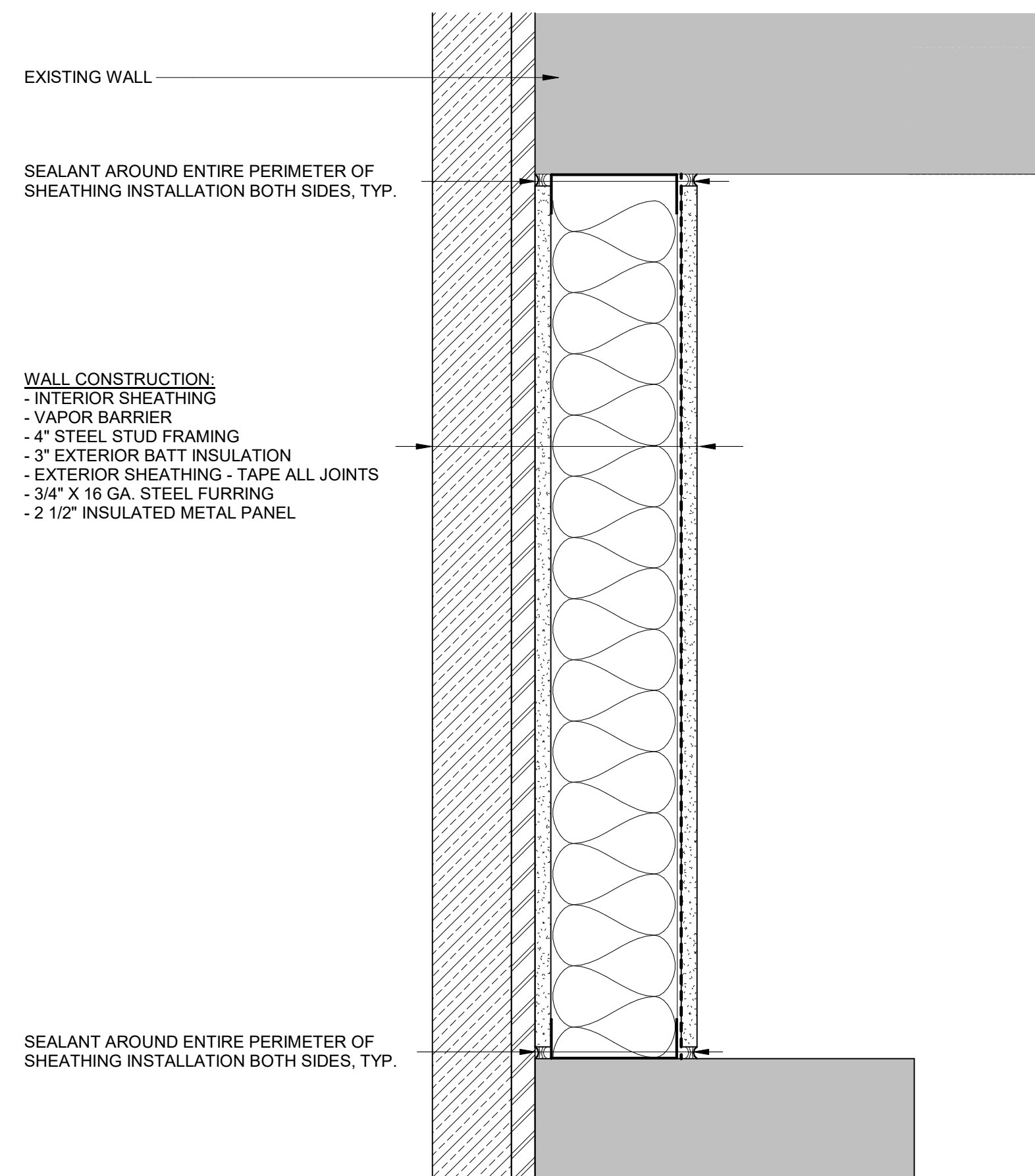


B1 PLAN AT TYPICAL COLUMN
1 1/2" = 1'-0"

B3 DETAIL AT SOFFIT @ COLUMNS
3" = 1'-0"

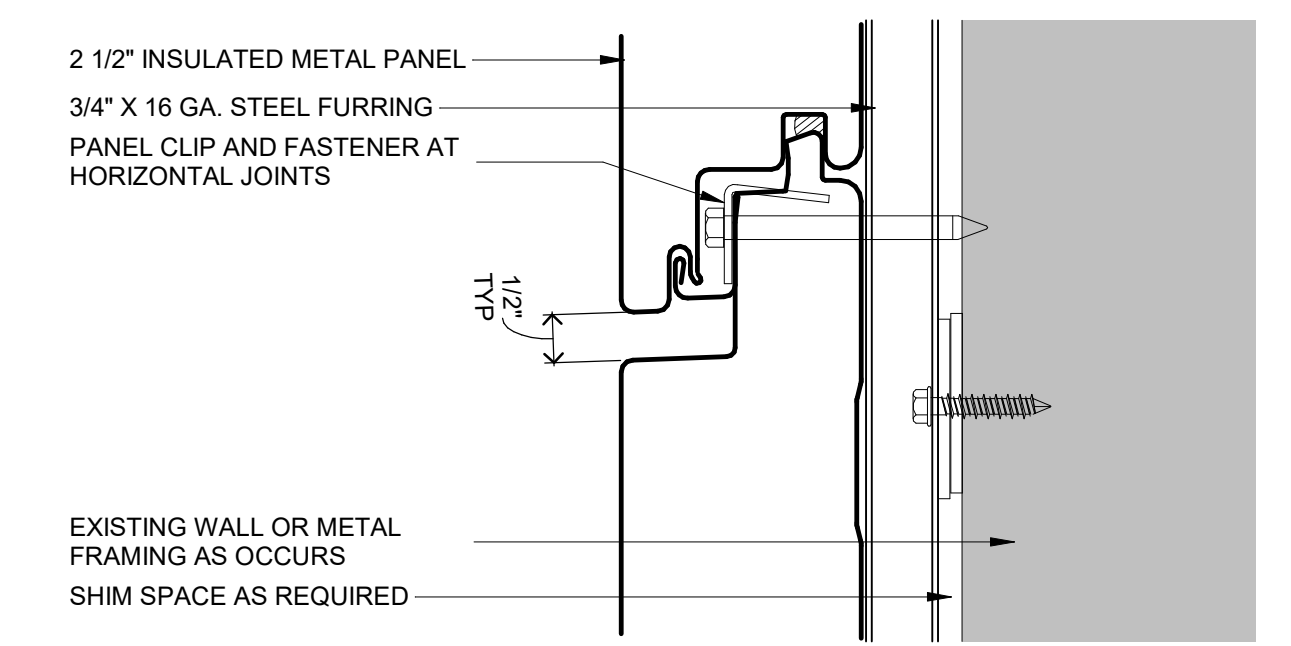
B5 SECTION AT EXISTING MECH/ ELEC DEVICE
6" = 1'-0"

B7 PIPE OR CONDUIT PENETRATION AT NEW METAL PANEL
1 1/2" = 1'-0"

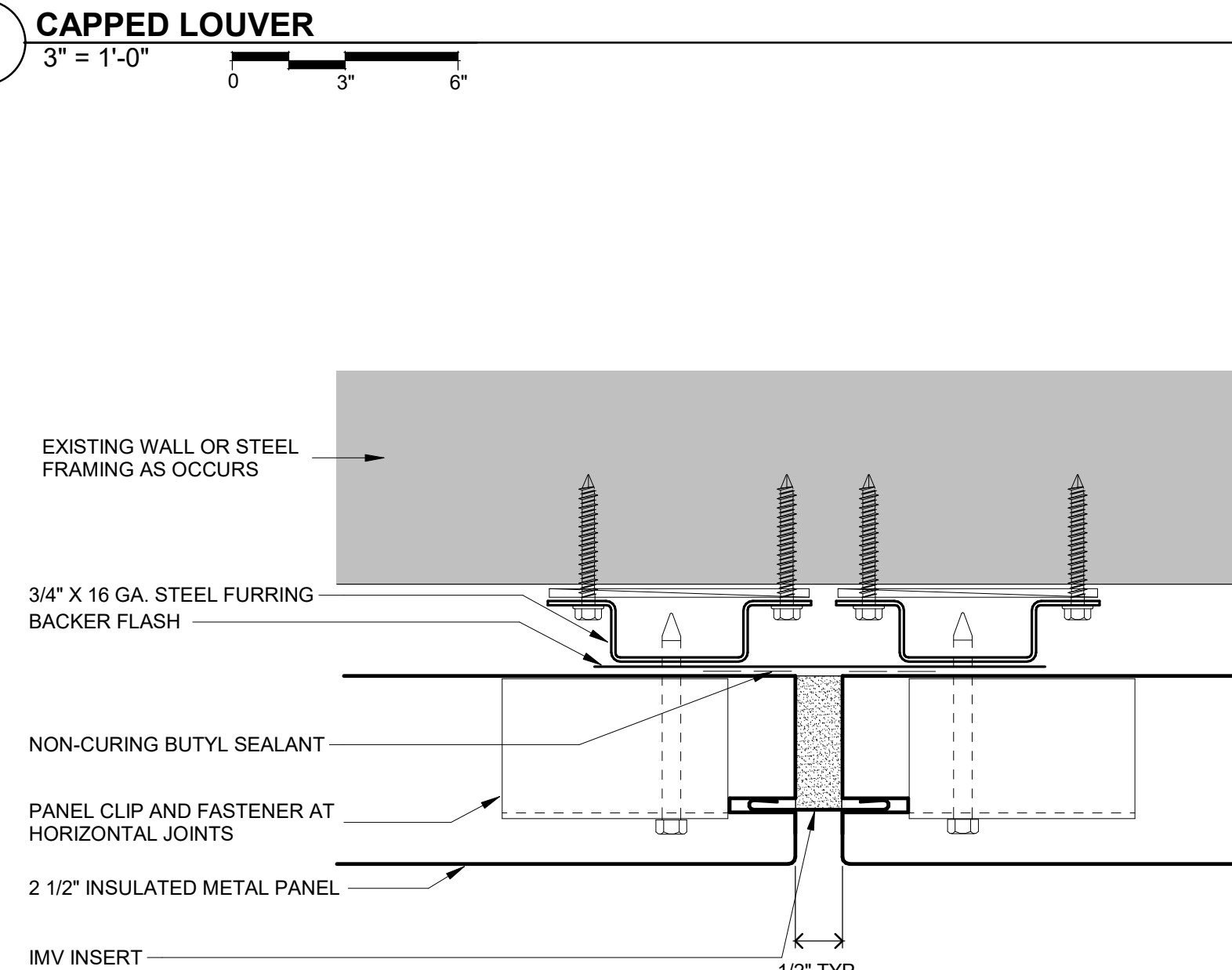


D3 SOFFIT DETAIL
3" = 1'-0"

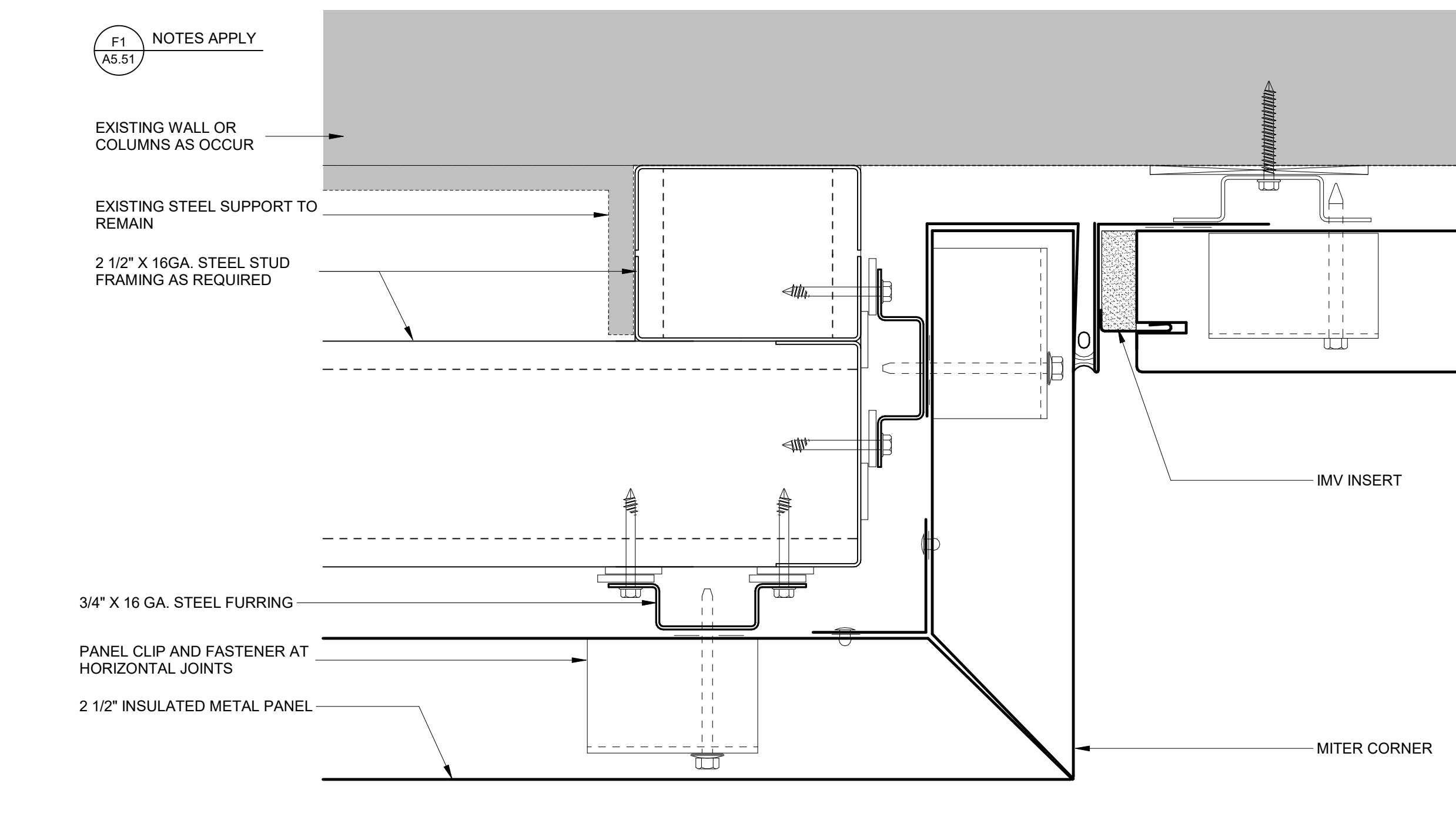
D7 PLAN TRANSITION
3" = 1'-0"



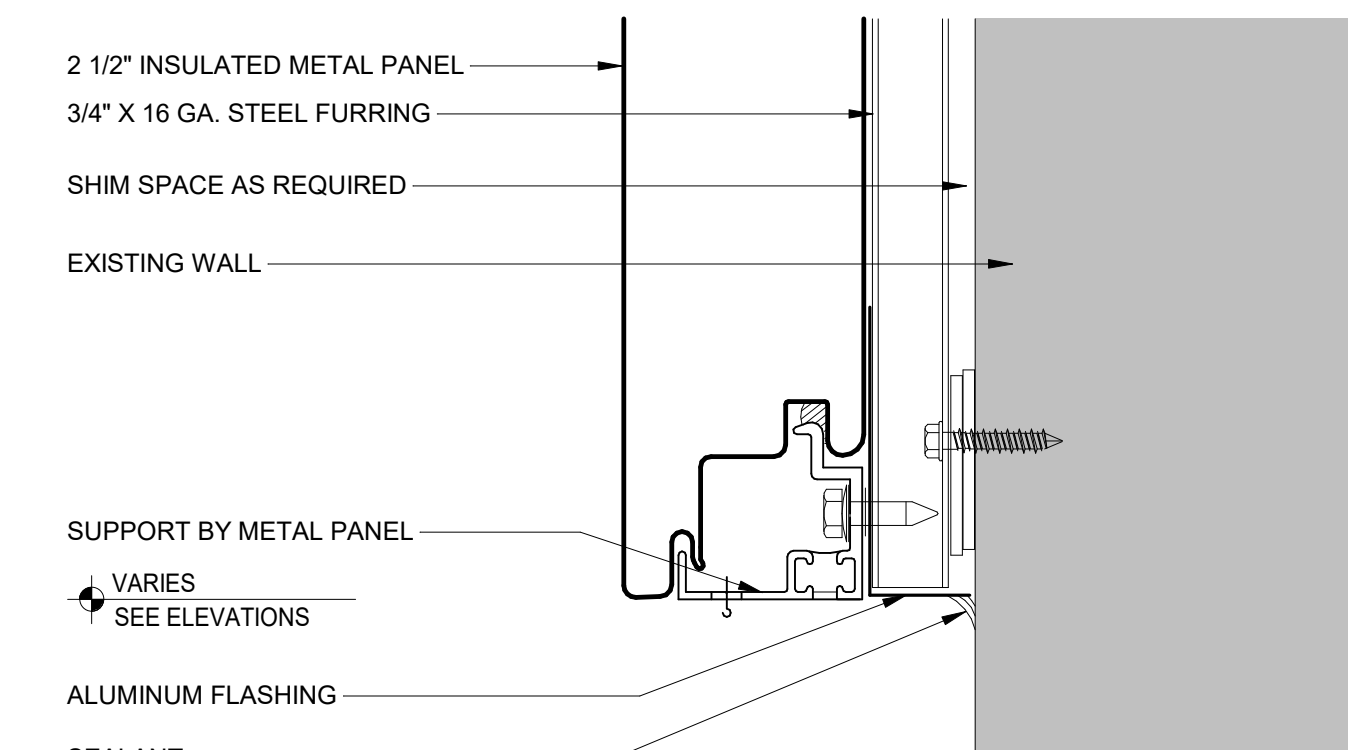
E7 METAL PANEL HORIZONTAL JOINT
6" = 1'-0"



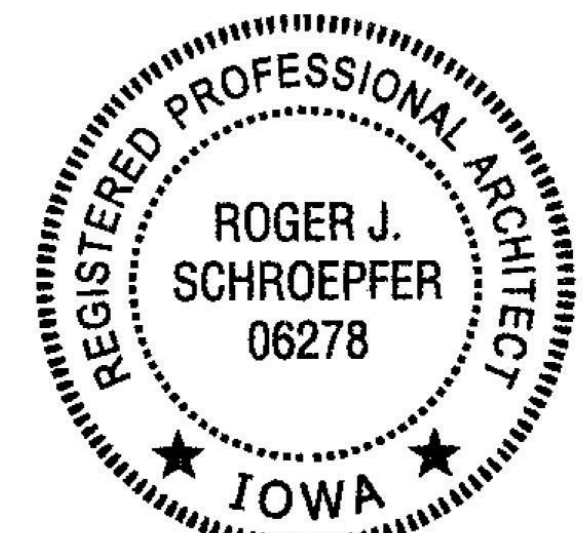
F1 METAL PANEL VERTICAL JOINT
6" = 1'-0"



F3 METAL PANEL CORNER
6" = 1'-0"



F7 METAL PANEL AT BASE
6" = 1'-0"



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DETAILS

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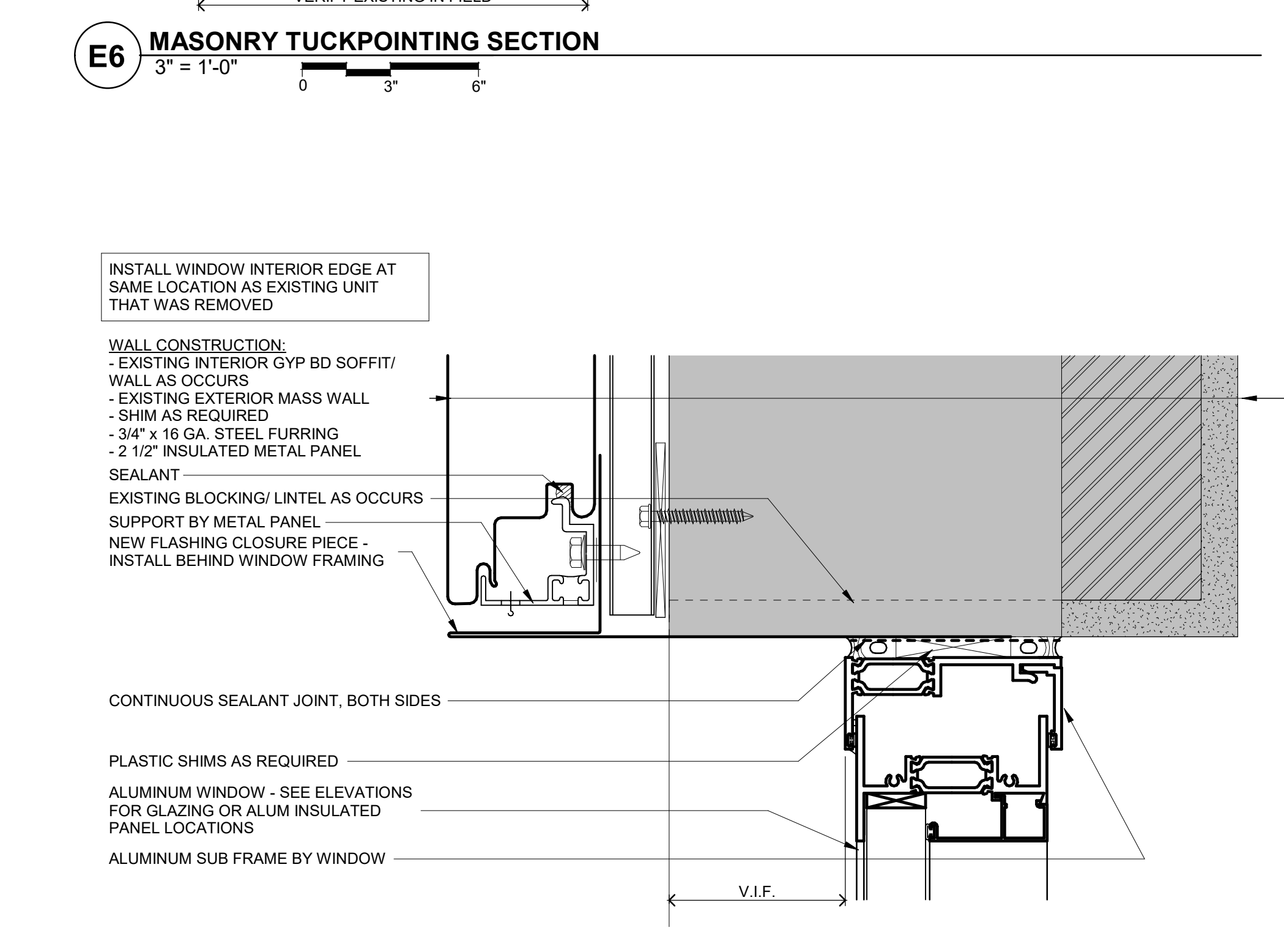
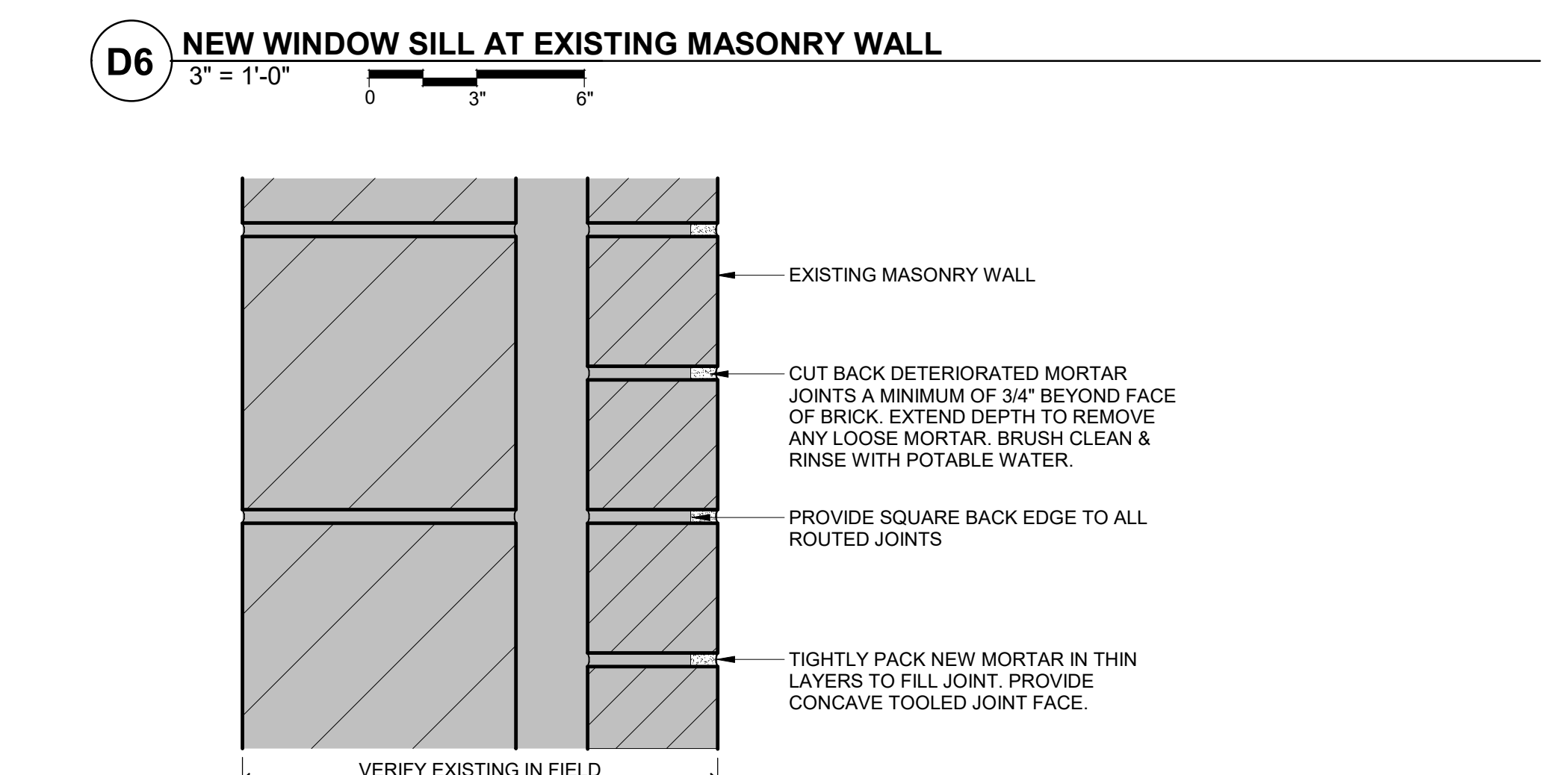
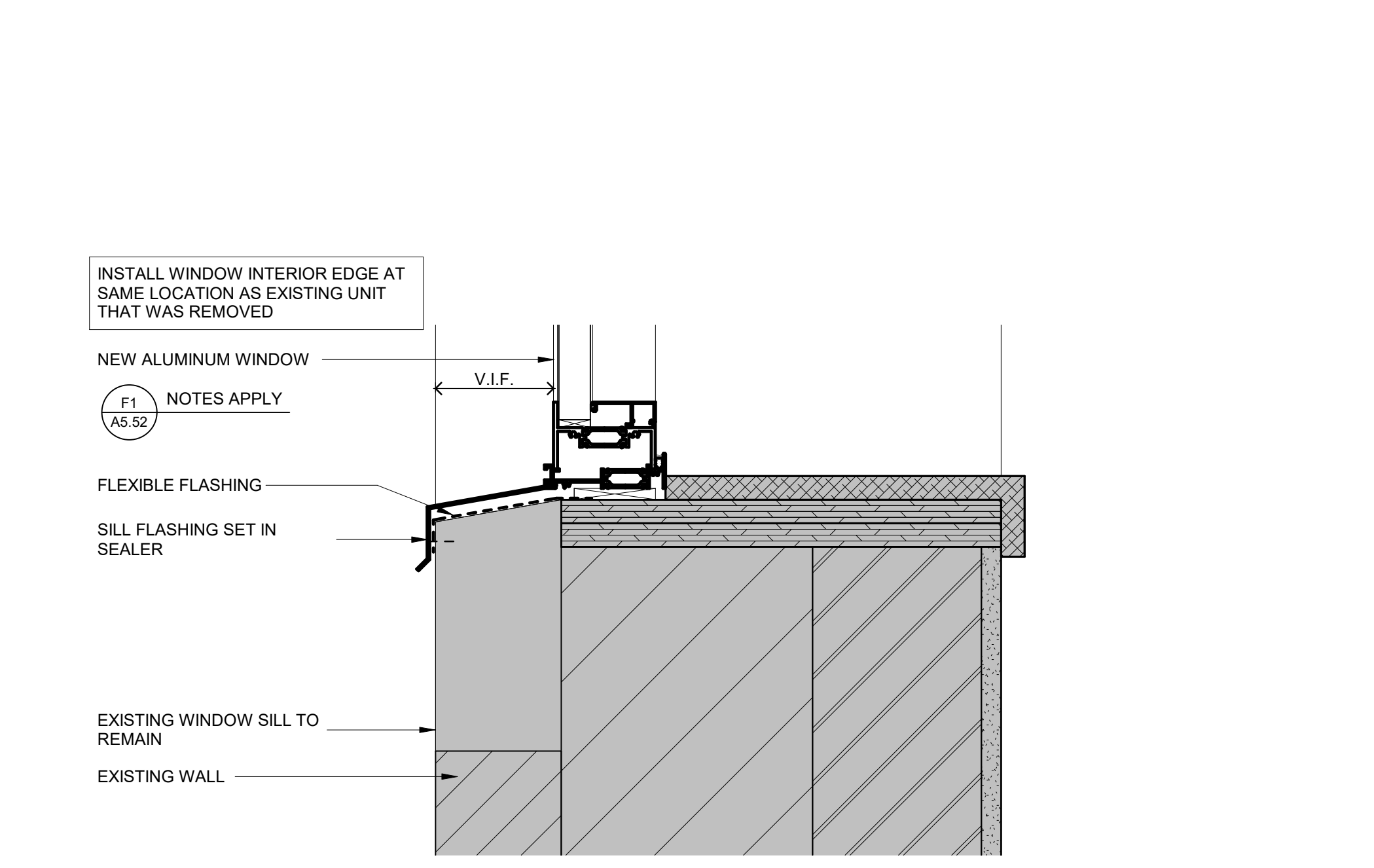
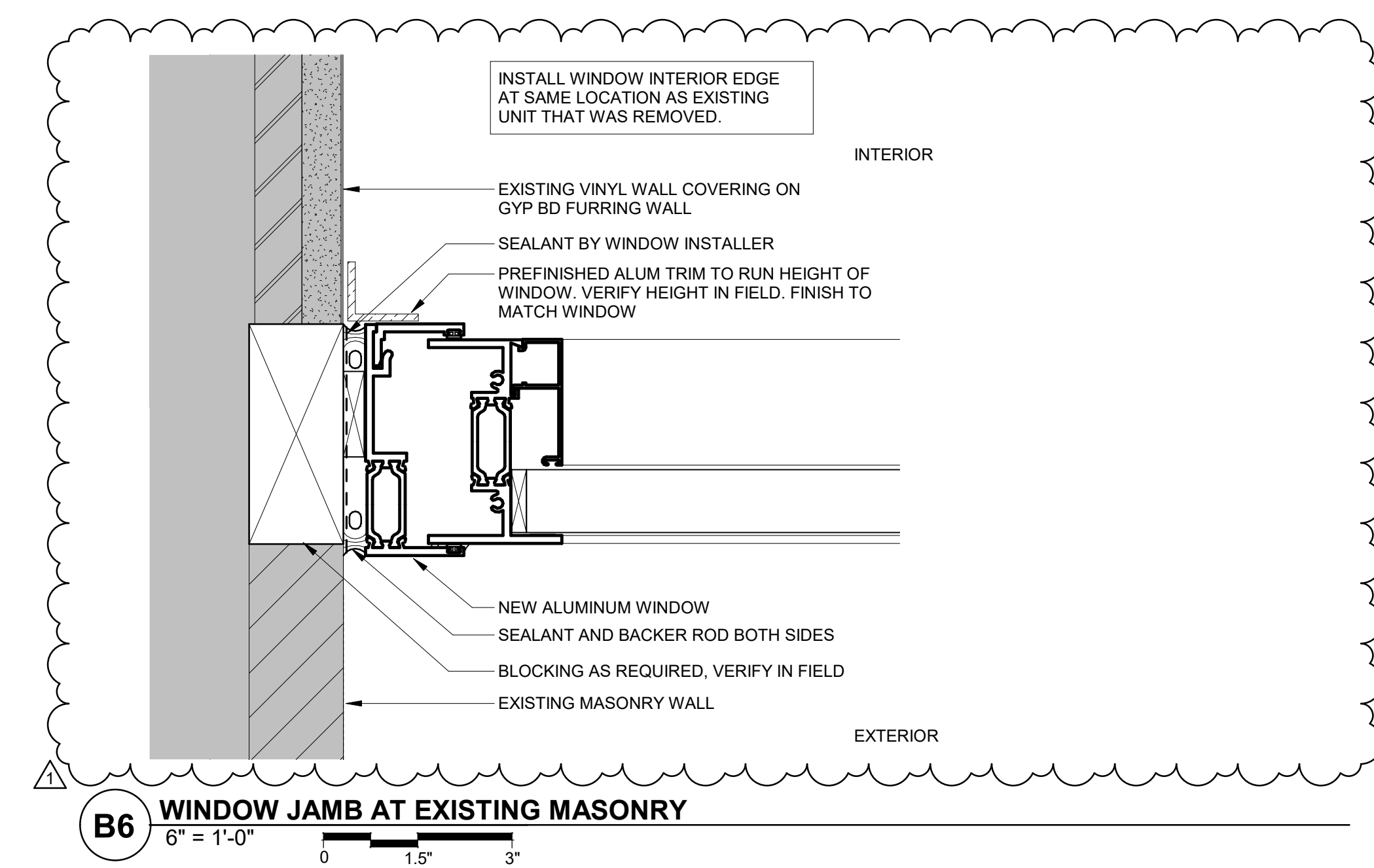
ARCHITECT
Roger Schroepfer
License Number: 06278 Date: 06.14.2019

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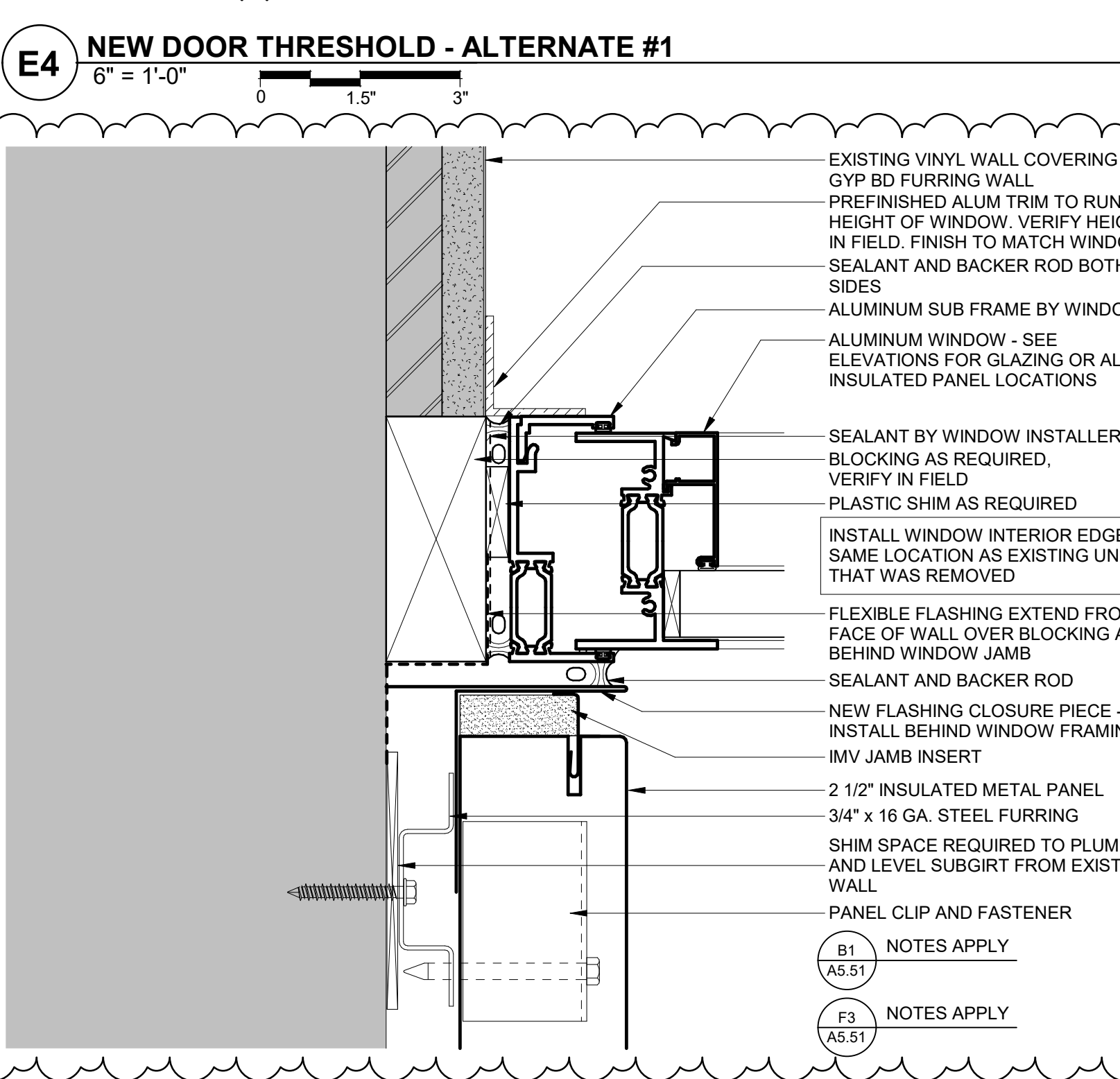
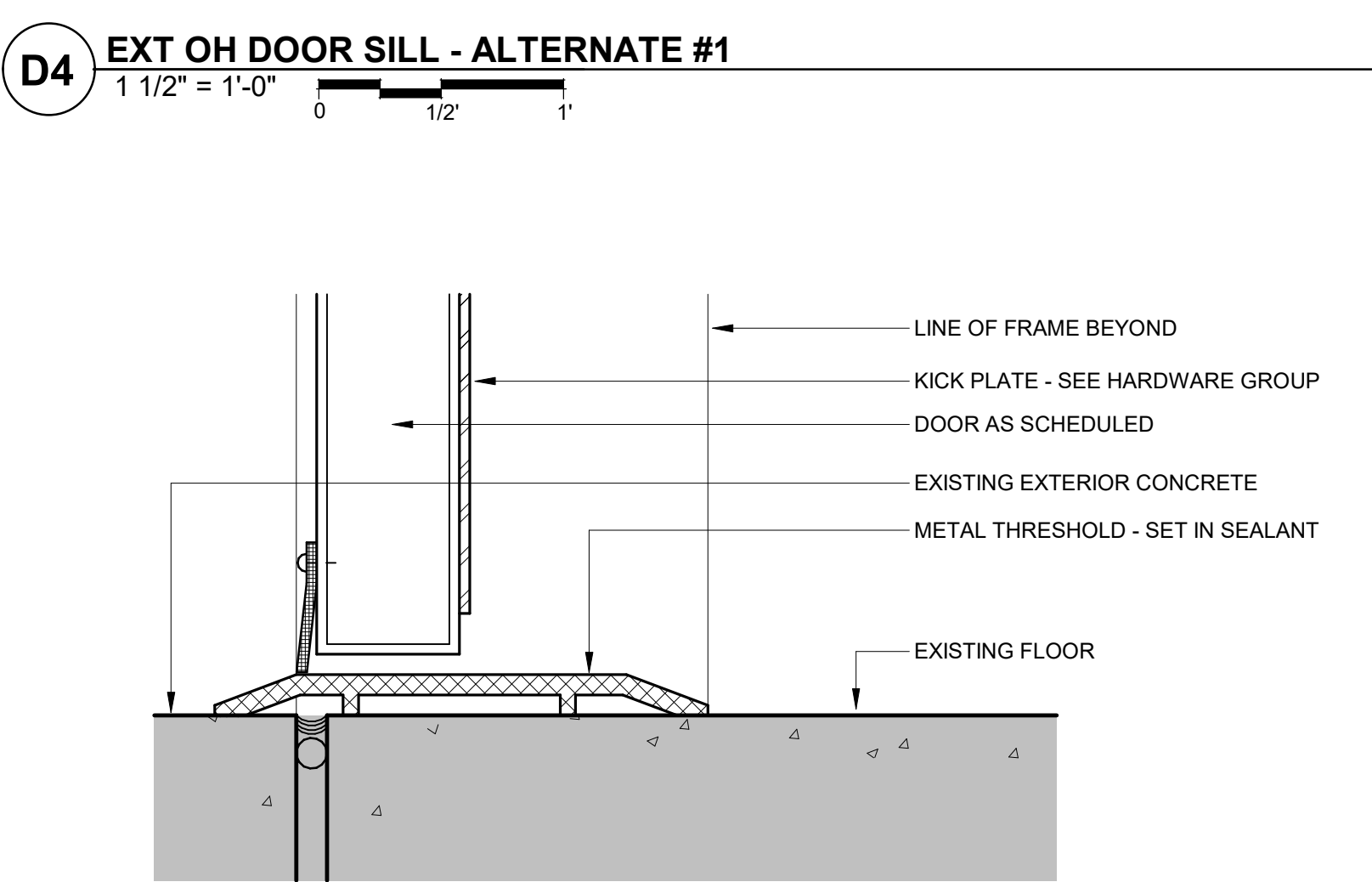
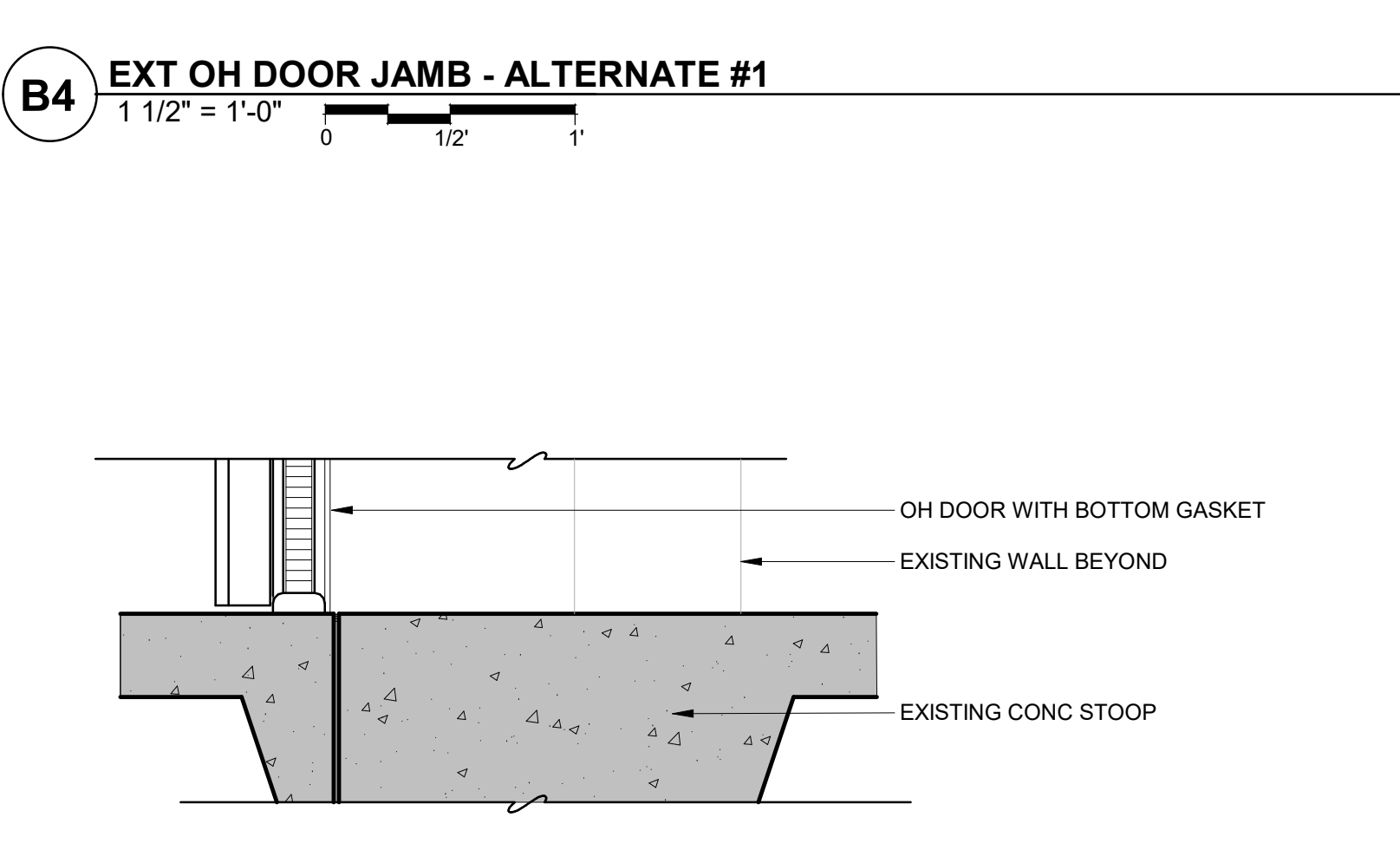
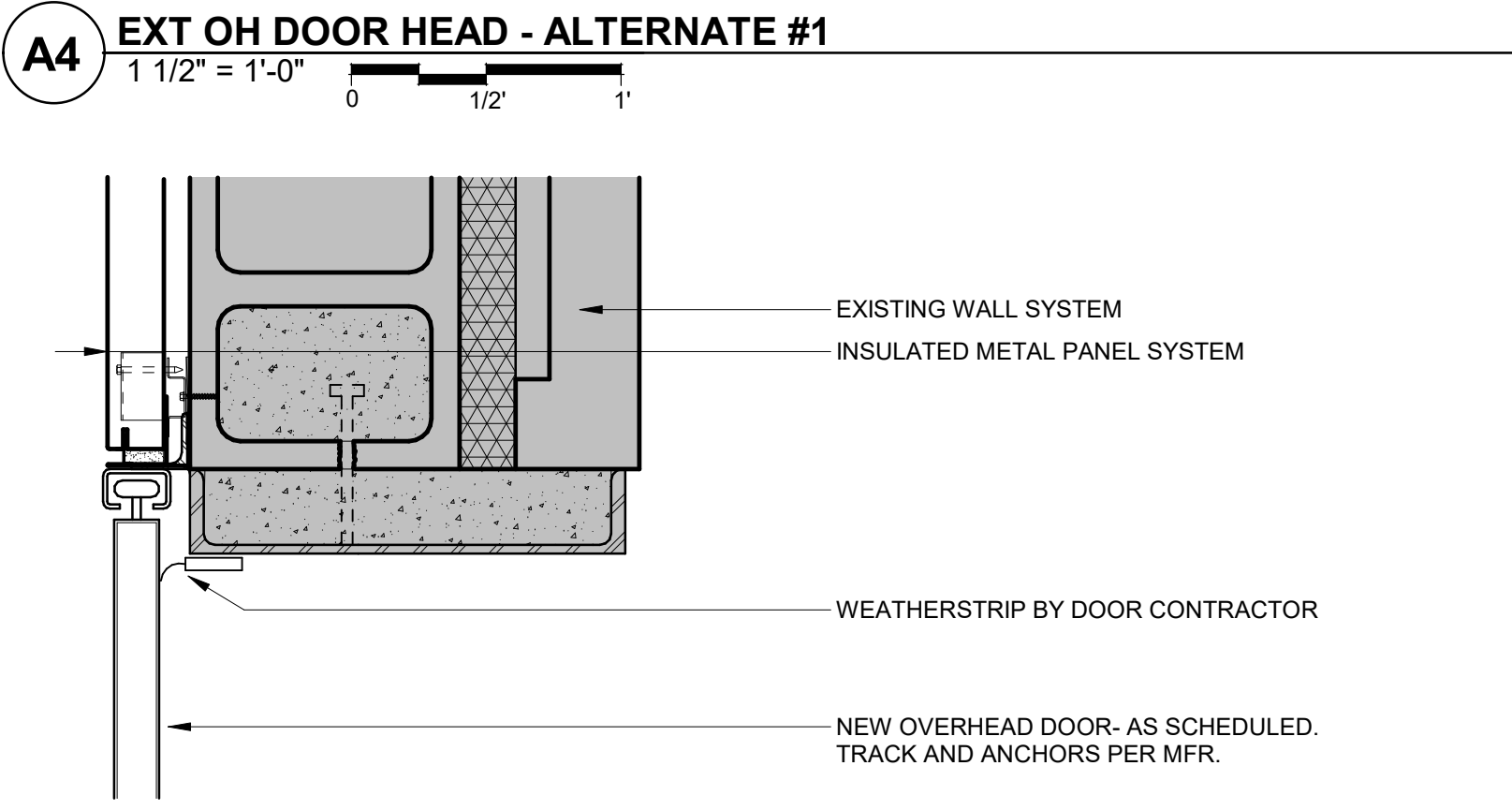
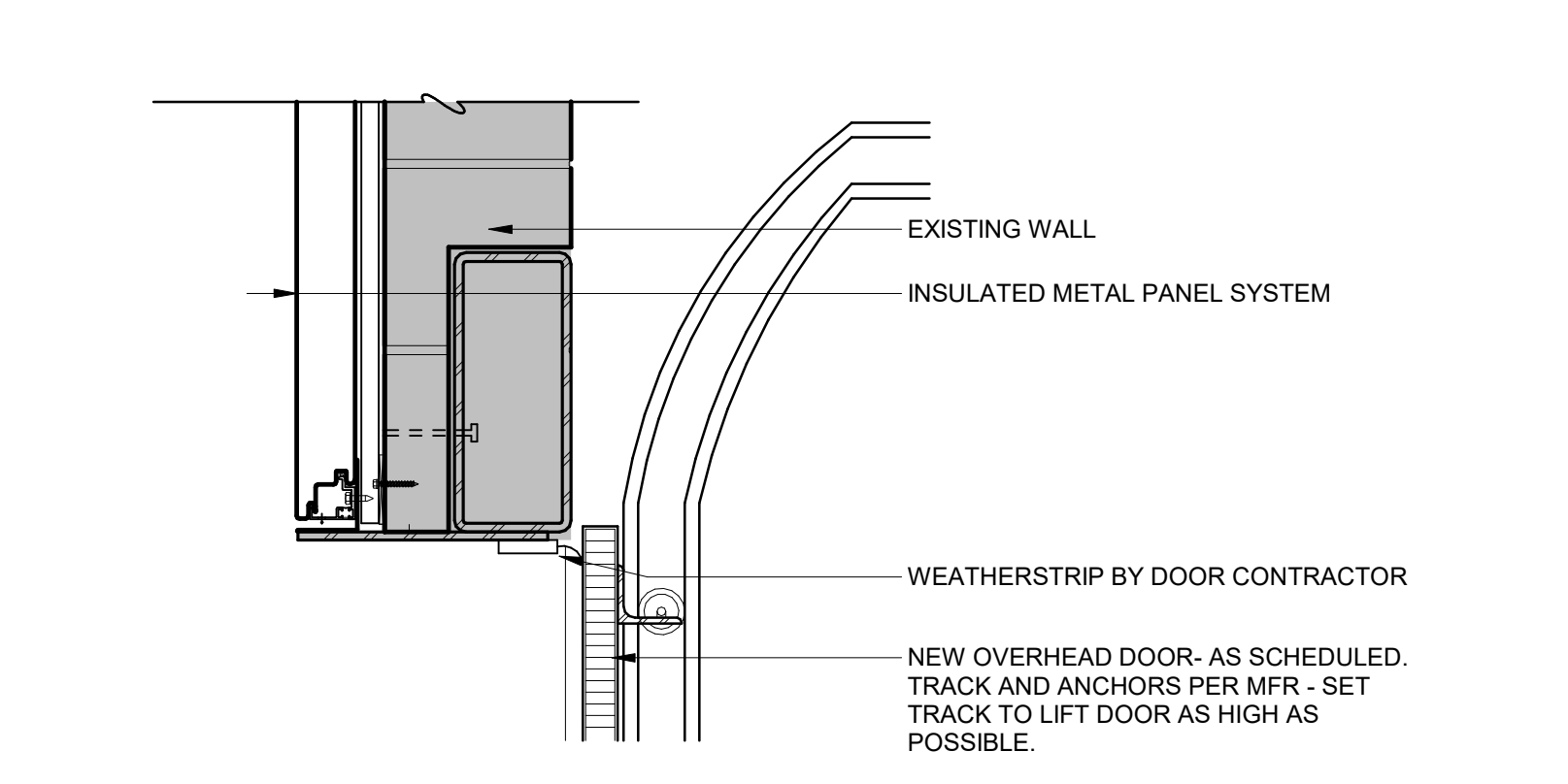
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DETAILS

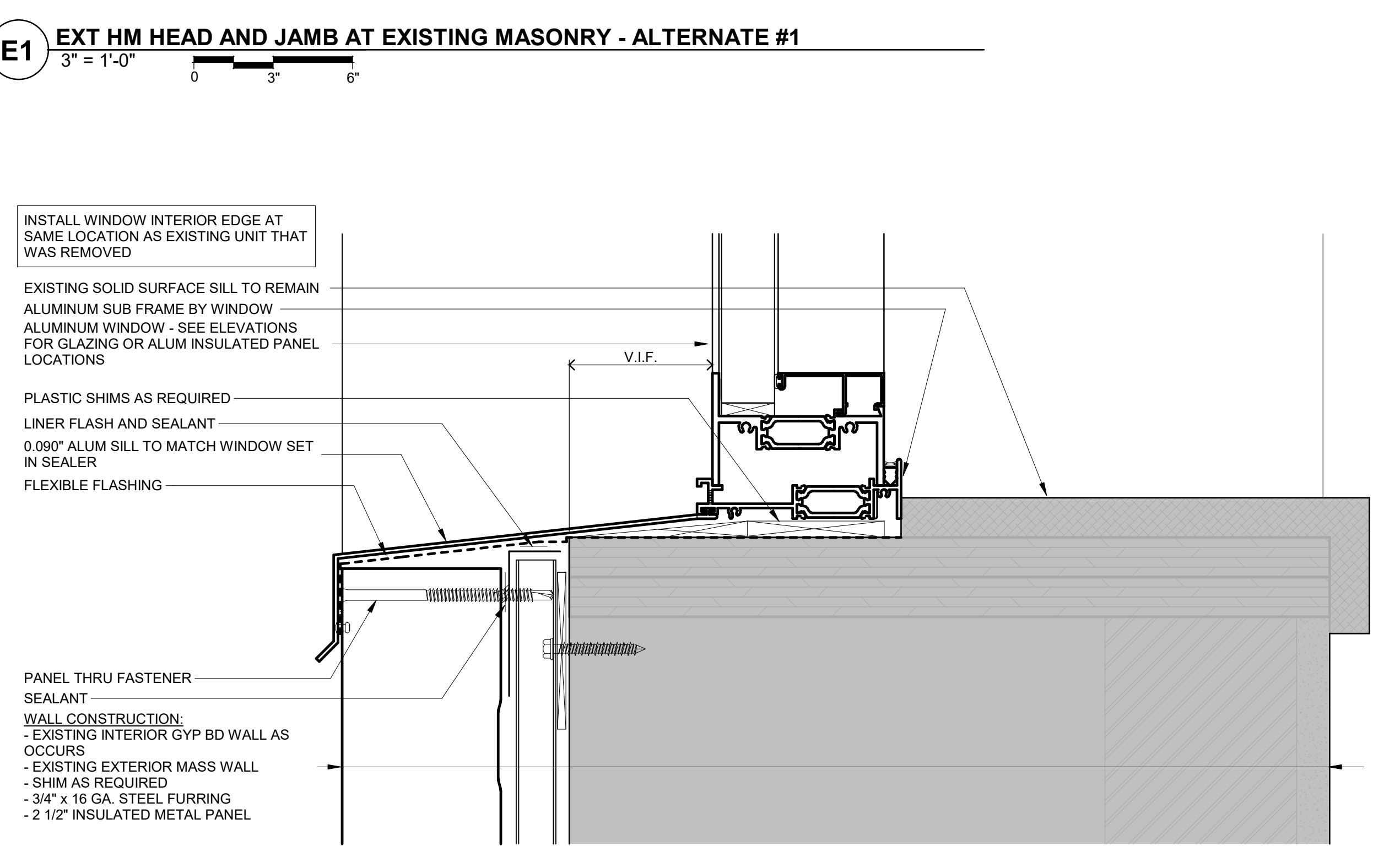
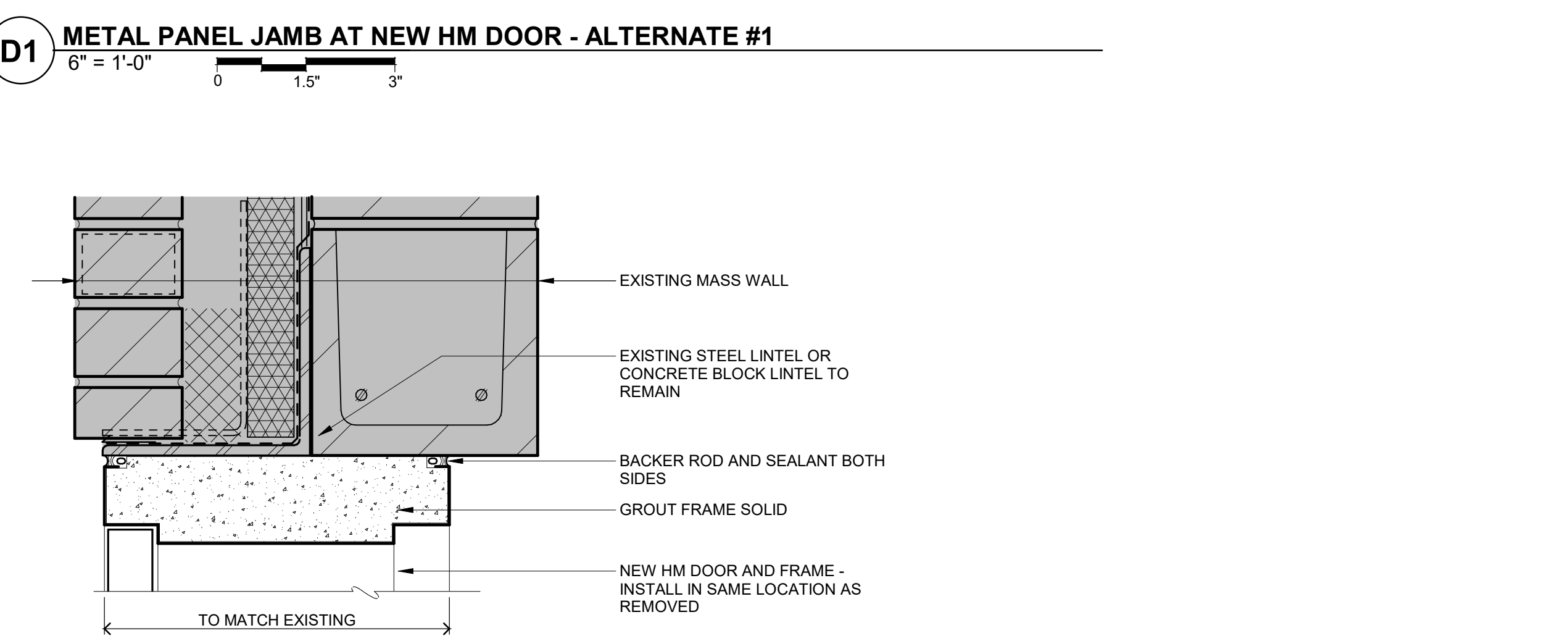
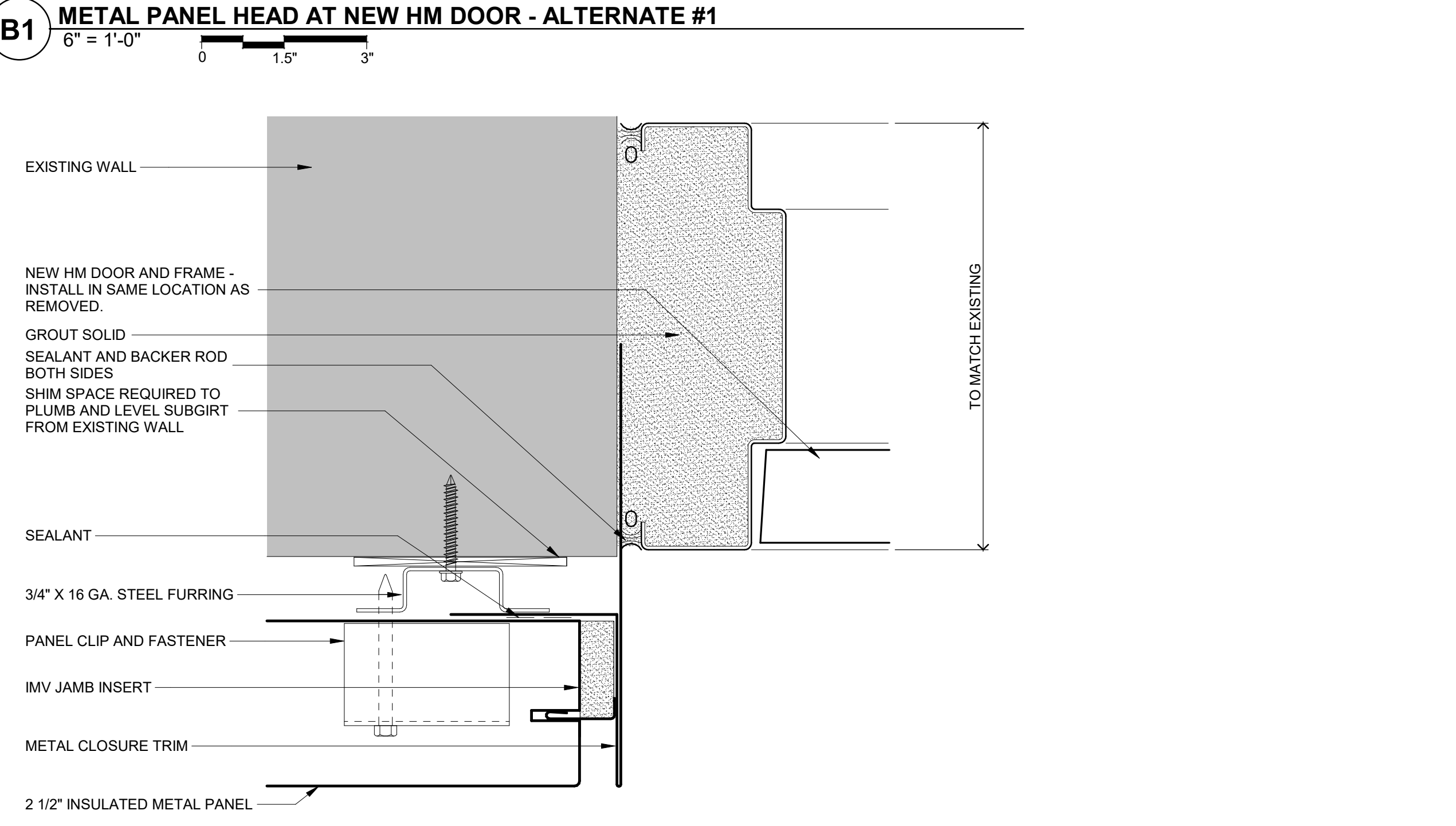
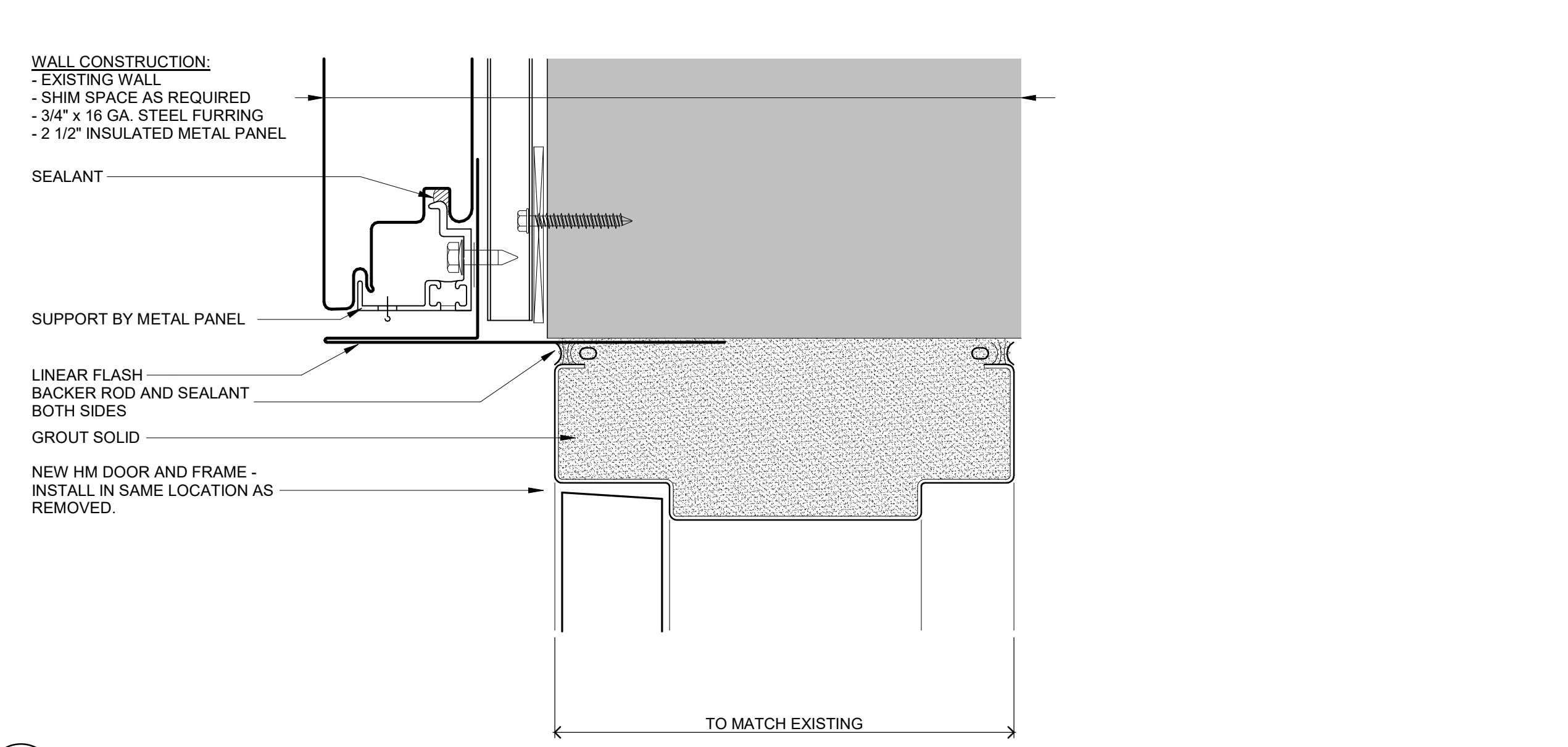
Scale: As indicated



F6 NEW WINDOW HEAD
6" = 1'-0"



F4 NEW WINDOW JAMB
6" = 1'-0"



F1 NEW WINDOW SILL
6" = 1'-0"

IL

A