

**PRESTON COUNTY BOARD OF EDUCATION
PRESTON COUNTY, WEST VIRGINIA
PRESTON HIGH SAFE SCHOOL RENOVATIONS AND DOOR UPGRADES**

**ADDENDUM #2
APRIL 27, 2023**

THRASHER PROJECT #T60-11050

TO WHOM IT MAY CONCERN:

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated April 7, 2023, and any subsequent addenda. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

A. GENERAL

N/A

B. SPECIFICATIONS

ADD Specification Section 321313 CONCRETE PAVING as attached to this Addendum.

C. DRAWINGS

Sheet D1.01-1; Demolition Notes; ADD "Note #10 Remove existing built-in countertop and shelving as required for new construction." and reference photos as attached to this Addendum / SK-3.

Sheet A1.01-1 REVISE Floor Plan 2/A1.01-1 as attached to this Addendum / SK-2.

Sheet A1.02-2; ADD Frame Type 15 as attached to this Addendum / SK-5.

Sheet A1.07-2; Door Frame & Hardware Schedule, at Doors 9A, 9B, 10, 11 and 12, REVISE the Door Type to read as "PFG."

Sheet A1.02-2; Door Frame & Hardware Schedule, at Doors 16A, 16B, 16C and 16D, REVISE the Frame Material to read as "ALUM."

Sheet A5.01-1; REVISE Detail 4/A5.01-1 as attached to this Addendum / SK-1.

Sheet A1.13-2; REVISE Vestibule Framing Plan 2/A1.13-2 as attached to this Addendum / SK-5.

Sheet A1.13-2; Vestibule Section 4/A1.13-2, REVISE Detail reference 5 to 4R/A5.01-1 as attached to this Addendum.

Sheet A1.13-2; Vestibule Section 4/A1.13-2, REVISE Detail reference 6 to Detail 2/ SK-4 as attached to this Addendum.

Sheet E2.03-2; OMIT this sheet in its entirety.

D. QUESTIONS AND RESPONSES

Q1. Is there a TS 3x3x1/4 required in the storefront at the entrance (between the doors) to support the C8x11.5?

A1. There are 5) TS 3x3x1/4 in total. Between Doors 001B and 001C, the C8x11.5 attaches to the CMU wall above. Supplemental details provided in this Addendum.

Q2. Could you provide a detail of the 12” metal studs attaching to the C8x11.5?

A2. Refer to Specification Section 054000.

Q3. Door schedule on A1.02 -2 calls for doors 16A- 16D to be Galv HM – clear anodized? Please clarify.

A3. The frame for those Doors shall be clear anodized aluminum. Revised in this Addendum.

Q4. Door schedule on A1.07-2 calls for door type PG? Please clarify.

A4. Those doors should read as ‘PFG’. Revised per this Addendum.

Q5. Provide numbering at all exterior doors is this to be all renovated doors or all doors?

A5. This applies to all exterior doors. At double leaf doors only one number is required.

Q6. Remove and replace caulk on the interior and exterior of all door frames – is this just renovated doors or all doors?

A6. This applies to all doors and frames replaced under this contract.

Q7. Are there any rooms or areas that will not be accessible Monday-Friday, during summer school and while school staff is performing extensive summer break facility cleaning and waxing the floors?

A7. No. The Owner and Contractor will cooperate and coordinate to avoid interruptions with the Work.

Q8. Can you provide a supplemental drawing detail to address/relocate the existing above grade rainwater leader at the proposed sidewalk location?

A8. Supplemental direction provided in this Addendum.

2 Q9. Have the bidding documents (Drawings) been submitted to the State Fire Marshal office for review and approval?

A9. The drawings have been submitted. It is not anticipated that the review will be completed by the Bid Date.

Q10. Drawing A1.01-1 Detail 1 Framing Plan, please provide support detail for the steel channel bearing above Doors 001B and 001C?

A10. Please refer to Q1/A1.

Q11. Drawing A1.01-1 Detail 1 Framing Plan, is the support post within the Man Trap area to be left exposed and painted?

A11. Correct.

Q12. Drawing A1.01-1 Detail 1 Framing Plan, how is the 12” Metal Stud framing to be finished where it meets the existing storefront system seen from the Reception Area? Please provide supplemental drawing detail.

A12. Supplemental details provided in this Addendum.

Q13. Drawing A1.13-2 Is there any steel channel or support post required to support the cold form framing design?

A13. Supplemental details provided in this Addendum.

Q14. Drawing A3.01-1 Section 1, specifies C8x11.5 channel with the ceiling framing. Please provide supplement drawing detail for attaching the 12” Metal cold form framing at each side of the channel.

A14. Refer to Specification Section 054000.

Q15. Drawing A3.01-1 Section 1 specifies what appears to be a Box Header above the storefront. Is it the intent to have another connection point for the ceiling framing to frame into, please clarify the is purpose of this framing?

A15. Supplemental details provided in this Addendum.

Q16. What modification if any will be required for the existing EFIS system at the main entrance?

A16. The intent is for the existing aluminum framing to be removed without effecting the EIFS system. Damage that occurs from demolition work shall be repaired to match existing adjacent.

Q17. Several of the Exterior door frames located in Part “C” area, are integrate to the building exterior system. These frames run continues from finish floor to building eve and vary in height. Is the intent it to install a new frame into the existing opening?

A17. The intent is to install the new door frames within the existing building frame system.

Q18. Will the existing casework be removed by the owner?

A18. That will be removed by the Contractor. Supplemental information provided in this Addendum.

Q19. Is the scale correct on drawings A1.01-1, A1.02-1 and A2.01?

A19. The scale is correct, BUT the 6' should read as 8'. All other numbers should be correct. Clarified in this Addendum.

Q20. I didn't see a Cast in Place Concrete spec; can you provide one?

A20. Provided in this Addendum.

Q21. One of our Electrical Subs and they also asked what the existing Access Control system is that we will be tying into, along with the existing Fire Alarm system, neither him nor I saw on the drawings or Addendum where either of these were noted?

A21. Please see Clarifications below.

Q22. Can electrical panel locations be provided? Not sure how they are to price runs of conduit and wire for new circuits being requested per documents.

A22. For bidding purposes assume the electric panel is located in the room to the right of Doors 2A and 2B as shown on First Floor Plan 1/A1.03-2.

E. CLARIFICATIONS

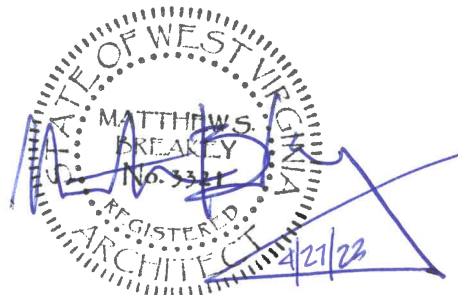
1. All fire alarm work shall be performed by Owner. Omit from scope of work.
2. Existing Avigilon access control system installed and serviced by Electronic Specialties is to remain. Existing door controllers shall remain. Devices indicated in at each door shall be replaced and tied into existing system to remain. Provide all wiring, conduit, etc. between door and door controllers as required.

Please remember, bids will be received until 1:00 p.m. on Wednesday, May 3, 2023, at the Preston County Board of Education Offices, located at 731 Preston Drive, Kingwood WV 26537. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.
Kenton Blackwood

Senior Project Designer / Project Manager



SECTION 321313 - CONCRETE PAVING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes Concrete Paving for:

1. Walks.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each type of product, ingredient, or admixture requiring color selection.
- C. Design Mixtures: For each concrete paving mixture. Include alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.

1.3 QUALITY ASSURANCE

- A. Ready-Mix-Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C94/C94M requirements for production facilities and equipment.
1. Manufacturer certified according to NRMCA's "Certification of Ready Mixed Concrete Production Facilities" (Quality Control Manual - Section 3, "Plant Certification Checklist").

PART 2 - PRODUCTS

2.1 CONCRETE, GENERAL

- A. ACI Publications: Comply with ACI 301 unless otherwise indicated.

2.2 STEEL REINFORCEMENT

- A. Plain-Steel Welded-Wire Reinforcement: ASTM A1064/A1064M, fabricated from as-drawn steel wire into flat sheets.
- B. Deformed-Steel Welded-Wire Reinforcement: ASTM A1064/A1064M, flat sheet.
- C. Reinforcing Bars: ASTM A615/A615M, Grade 60 deformed.

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- D. Joint Dowel Bars: ASTM A615/A615M, Grade 60 plain-steel bars; zinc coated (galvanized) after fabrication according to ASTM A767/A767M, Class I coating. Cut bars true to length with ends square and free of burrs.
- E. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars, welded-wire reinforcement, and dowels in place. Manufacture bar supports according to CRSI's "Manual of Standard Practice" from steel wire, plastic, or precast concrete of greater compressive strength than concrete specified.

2.3 CONCRETE MATERIALS

- A. Cementitious Materials: Use the following cementitious materials, of same type, brand, and source throughout Project:
 - 1. Portland Cement: ASTM C150/C150M, gray portland cement Type I.
 - 2. Fly Ash: ASTM C618, Class C or Class F.
 - 3. Slag Cement: ASTM C989/C989M, Grade 100 or 120.
- B. Normal-Weight Aggregates: ASTM C33/C33M, uniformly graded. Provide aggregates from a single source.
- C. Air-Entraining Admixture: ASTM C260/C260M.
- D. Chemical Admixtures: Admixtures certified by manufacturer to be compatible with other admixtures and to contain not more than 0.1 percent water-soluble chloride ions by mass of cementitious material.
- E. Water: Potable and complying with ASTM C94/C94M.

2.4 CURING MATERIALS

- A. Absorptive Cover: AASHTO M 182, Class 3, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. dry or cotton mats.
- B. Moisture-Retaining Cover: ASTM C171, polyethylene film or white burlap-polyethylene sheet.
- C. Water: Potable.
- D. Evaporation Retarder: Waterborne, monomolecular, film forming, manufactured for application to fresh concrete.
- E. Clear, Waterborne, Membrane-Forming Curing Compound: ASTM C309, Type 1, Class B, dissipating.

2.5 RELATED MATERIALS

- A. Joint Fillers: ASTM D1751, asphalt-saturated cellulosic fiber or ASTM D8139, semirigid, closed-cell polypropylene foam in preformed strips.

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2.6 CONCRETE MIXTURES

- A. Prepare design mixtures, proportioned according to ACI 301, for each type and strength of normal-weight concrete, and as determined by either laboratory trial mixtures or field experience.
- B. Cementitious Materials: Limit percentage, by weight, of cementitious materials other than portland cement in concrete as follows:
 - 1. Fly Ash: 15 percent.
- C. Add air-entraining admixture at manufacturer's prescribed rate to result in normal-weight concrete at point of placement having an air content as follows:
 - 1. Air Content: 4 percent plus or minus 1/2 percent.
- D. Concrete Mixtures: Normal-weight concrete.
 - 1. Compressive Strength (28 Days): 4000 psi.
 - 2. Maximum W/C Ratio at Point of Placement: 0.40.
 - 3. Slump Limit: 4 inches.

2.7 CONCRETE MIXING

- A. Ready-Mixed Concrete: Measure, batch, and mix concrete materials and concrete according to ASTM C94/C94M. Furnish batch certificates for each batch discharged and used in the Work.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Proof-roll prepared subbase surface below concrete to identify soft pockets and areas of excess yielding.

3.2 PREPARATION

- A. Remove loose material from compacted subbase surface immediately before placing concrete.

3.3 EDGE FORMS AND SCREED CONSTRUCTION

- A. Set, brace, and secure edge forms, bulkheads, and intermediate screed guides to required lines, grades, and elevations. Install forms to allow continuous progress of work and so forms can remain in place at least 24 hours after concrete placement.
- B. Clean forms after each use and coat with form-release agent to ensure separation from concrete without damage.

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3.4 INSTALLATION OF STEEL REINFORCEMENT

- A. Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.

3.5 JOINTS

- A. General: Form construction, isolation, and contraction joints and tool edges true to line, with faces perpendicular to surface plane of concrete. Construct transverse joints at right angles to centerline unless otherwise indicated.
- B. Construction Joints: Set construction joints at side and end terminations of paving and at locations where paving operations are stopped for more than one-half hour unless paving terminates at isolation joints.
- C. Isolation Joints: Form isolation joints of preformed joint-filler strips abutting concrete curbs, catch basins, manholes, inlets, structures, other fixed objects, and where indicated.
- D. Contraction Joints: Form weakened-plane contraction joints, sectioning concrete into areas as indicated. Construct contraction joints for a depth equal to at least one-fourth of the concrete thickness, to match jointing of existing adjacent concrete paving.
- E. Edging: After initial floating, tool edges of paving, gutters, curbs, and joints in concrete with an edging tool to a 1/4-inch radius. Repeat tooling of edges after applying surface finishes. Eliminate edging-tool marks on concrete surfaces.

3.6 CONCRETE PLACEMENT

- A. Moisten subbase to provide a uniform dampened condition at time concrete is placed. Do not place concrete around manholes or other structures until they are at required finish elevation and alignment.
- B. Comply with ACI 301 requirements for measuring, mixing, transporting, and placing concrete.
- C. Deposit and spread concrete in a continuous operation between transverse joints. Do not push or drag concrete into place or use vibrators to move concrete into place.
- D. Screed paving surface with a straightedge and strike off.
- E. Commence initial floating using bull floats or darbies to impart an open-textured and uniform surface plane before excess moisture or bleedwater appears on the surface. Do not further disturb concrete surfaces before beginning finishing operations or spreading surface treatments.

3.7 FLOAT FINISHING

- A. General: Do not add water to concrete surfaces during finishing operations.

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- B. Float Finish: Begin the second floating operation when bleedwater sheen has disappeared and concrete surface has stiffened sufficiently to permit operations. Float surface with power-driven floats or by hand floating if area is small or inaccessible to power units. Finish surfaces to true planes. Cut down high spots and fill low spots. Refloat surface immediately to uniform granular texture.
 - 1. Medium-to-Fine-Textured Broom Finish: Draw a soft-bristle broom across float-finished concrete surface, perpendicular to line of traffic, to provide a uniform, fine-line texture.

3.8 CONCRETE PROTECTION AND CURING

- A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures.
- B. Comply with ACI 306.1 for cold-weather protection.
- C. Evaporation Retarder: Apply evaporation retarder to concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h before and during finishing operations. Apply according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete but before float finishing.
- D. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.
- E. Curing Methods: Cure concrete by moisture curing, moisture-retaining-cover curing or a combination of these.

3.9 PAVING TOLERANCES

- A. Comply with tolerances in ACI 117 as follows:
 - 1. Elevation: 3/4 inch.
 - 2. Thickness: Plus 3/8 inch, minus 1/4 inch.
 - 3. Surface: Gap below 10-feet-long; unleveled straightedge not to exceed 1/2 inch.
 - 4. Joint Spacing: 3 inches.
 - 5. Contraction Joint Depth: Plus 1/4 inch, no minus.
 - 6. Joint Width: Plus 1/8 inch, no minus.

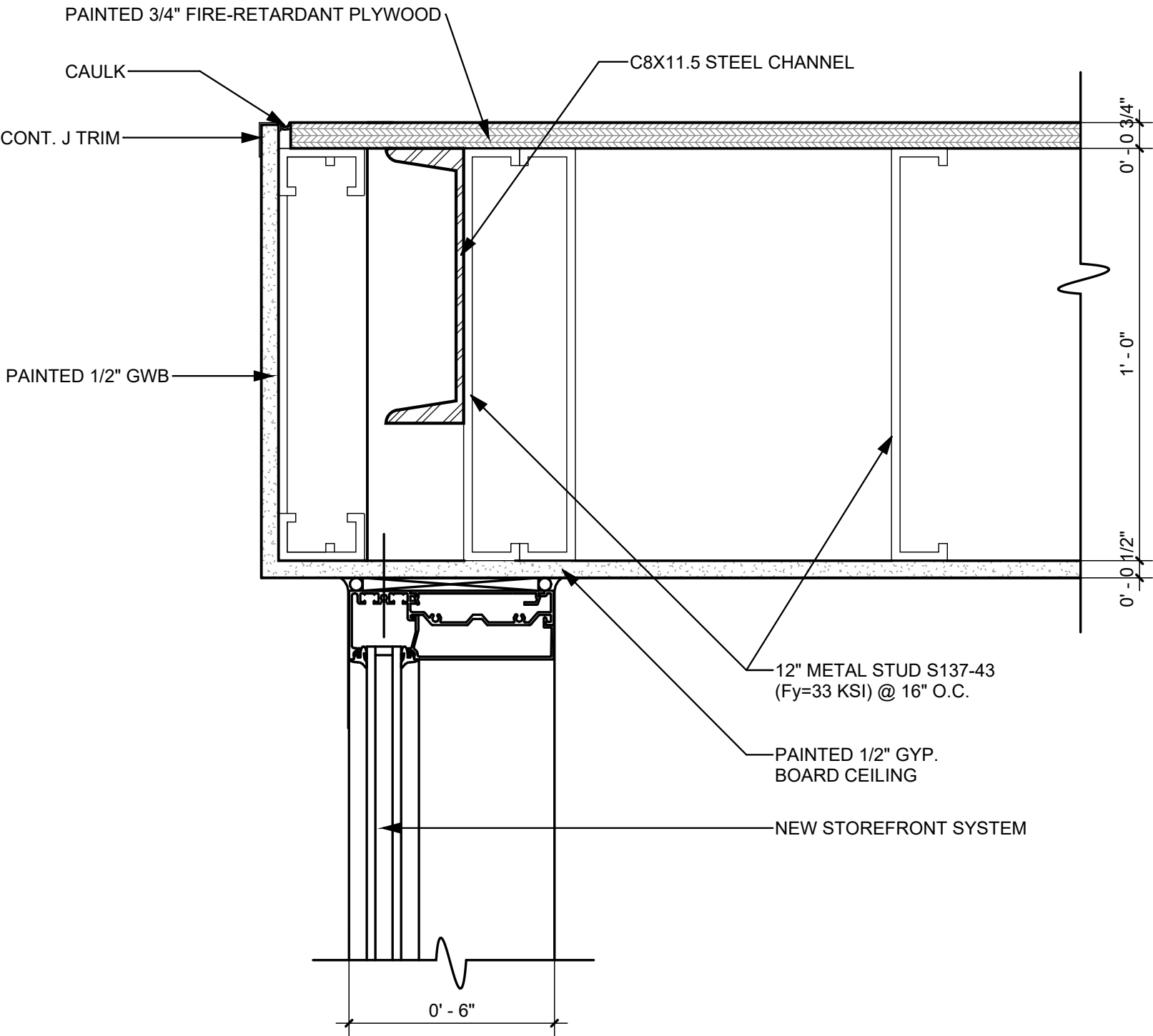
3.10 REPAIR AND PROTECTION

- A. Remove and replace concrete paving that is broken, damaged, or defective or that does not comply with requirements in this Section. Remove work in complete sections from joint to joint unless otherwise approved by Architect.
- B. Protect concrete paving from damage. Exclude traffic from paving for at least 14 days after placement. When construction traffic is permitted, maintain paving as clean as possible by removing surface stains and spillage of materials as they occur.
- C. Maintain concrete paving free of stains, discoloration, dirt, and other foreign material. Sweep paving not more than two days before date scheduled for Substantial Completion inspections.

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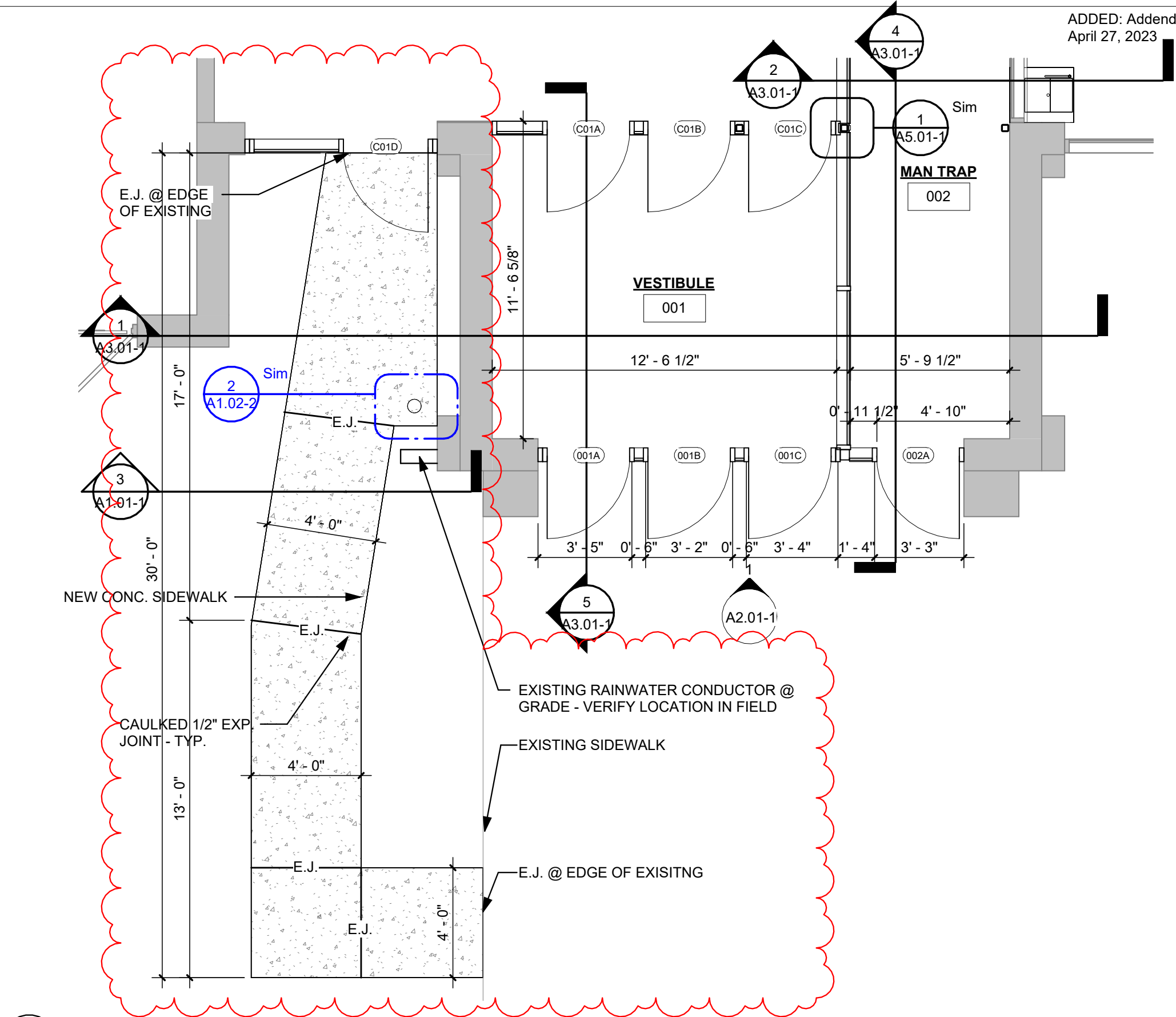
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END OF SECTION 321313



4R
A5.01-1
CEILING DETAIL
3" = 1'-0"





2R
FLOOR PLAN
1/4" = 1'-0"

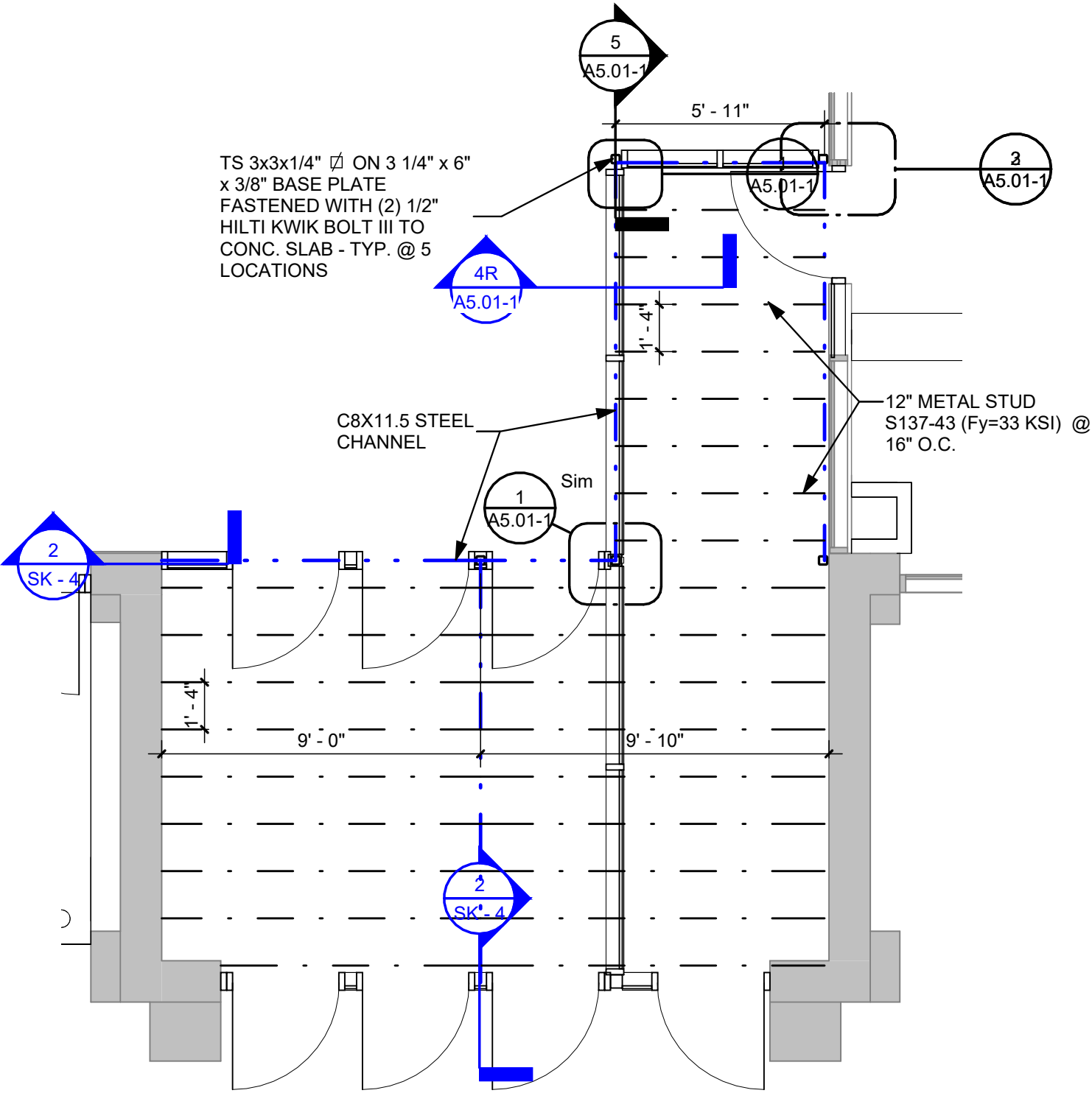


| DEMOLITION NOTES | |
|------------------|--|
| NOTE # | DESCRIPTION |
| 1 | REMOVE EXISTING ALUM. STOREFRONT SYSTEM |
| 2 | REMOVE EXISTING WALL PORTION TO CREATE NEW OPENING |
| 3 | REMOVE EXISTING ALUM. STOREFRONT PANELS & MULLIONS TO ALLOW FOR NEW |
| 4 | REMOVE EXISTING DOOR & CLOSE OPENING TO MATCH EXISTING WALL |
| 5 | RELOCATE EXISTING OUTLET. SEE E SHEETS. |
| 6 | CUT EXISTING CMU AND PREPARE FOR NEW TRANSACTION WINDOW |
| 7 | REMOVE AND DISPOSE OF EXISTING ALUM. DOOR AND PREPARE FOR NEW |
| 8 | REMOVE AND DISPOSE OF EXISTING LIGHTING. |
| 9 | REMOVE AND DISPOSE OF EXISTING FLOORING IN THE EXTENTS OUTLINED. CLEAN AND PREPARE FOR NEW FLOORING. |
| 10 | REMOVE EXISTING BUILT-UP COUNTERTOP AND SHELVING AS REQUIRED FOR NEW CONSTRUCTION |

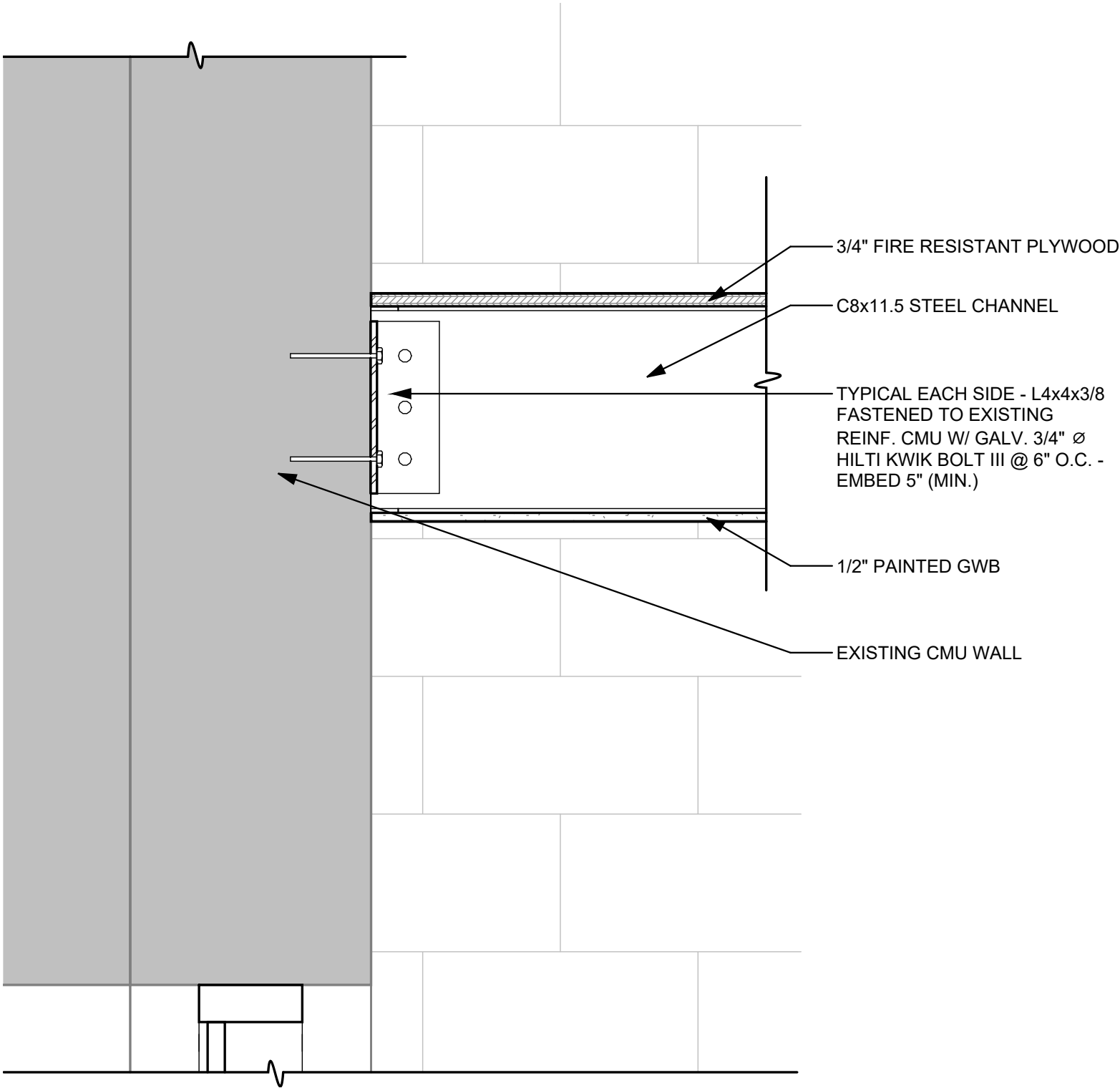
TS 3x3x1/4" ∇ ON 3 1/4" x 6"
x 3/8" BASE PLATE
FASTENED WITH (2) 1/2"
HILTI KWIK BOLT III TO
CONC. SLAB - TYP. @ 5
LOCATIONS

C8X11.5 STEEL
CHANNEL

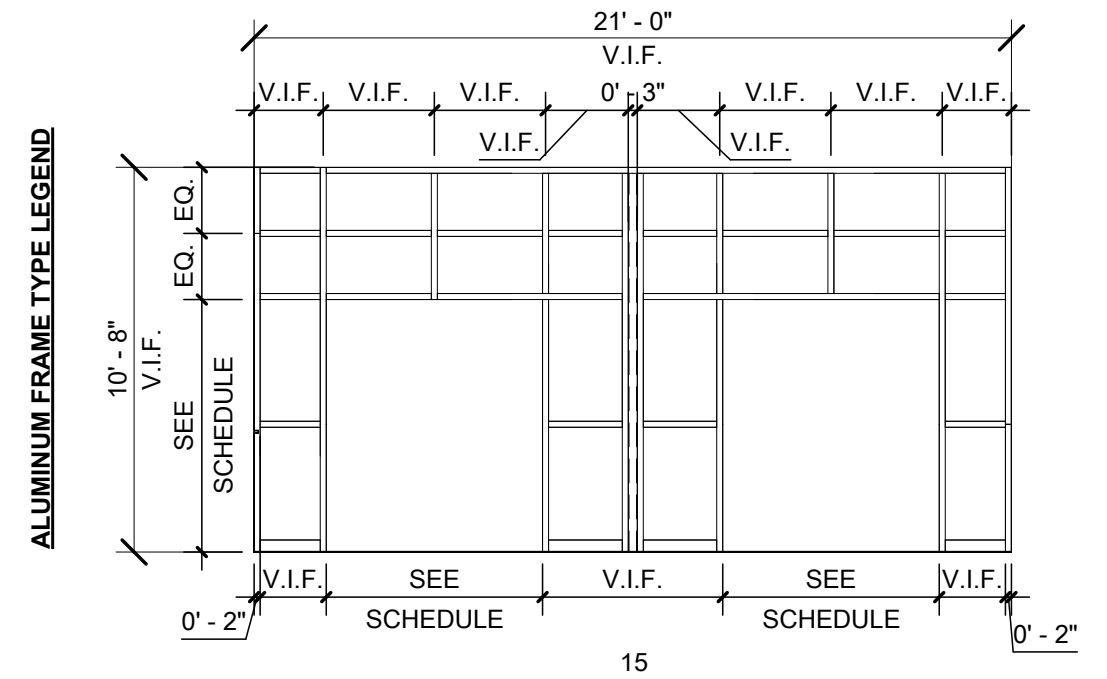
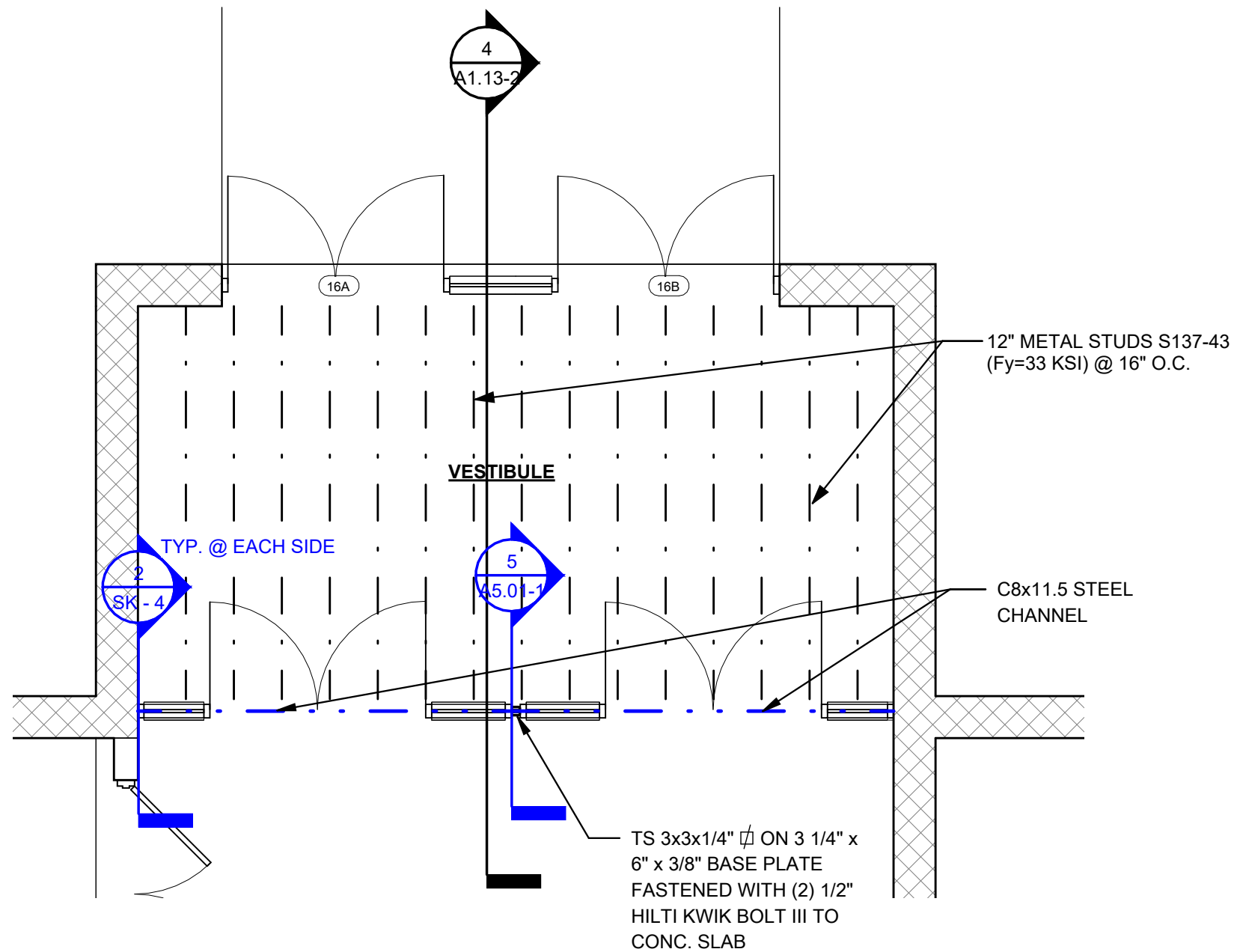
12" METAL STUD
S137-43 (Fy=33 KSI) @
16" O.C.



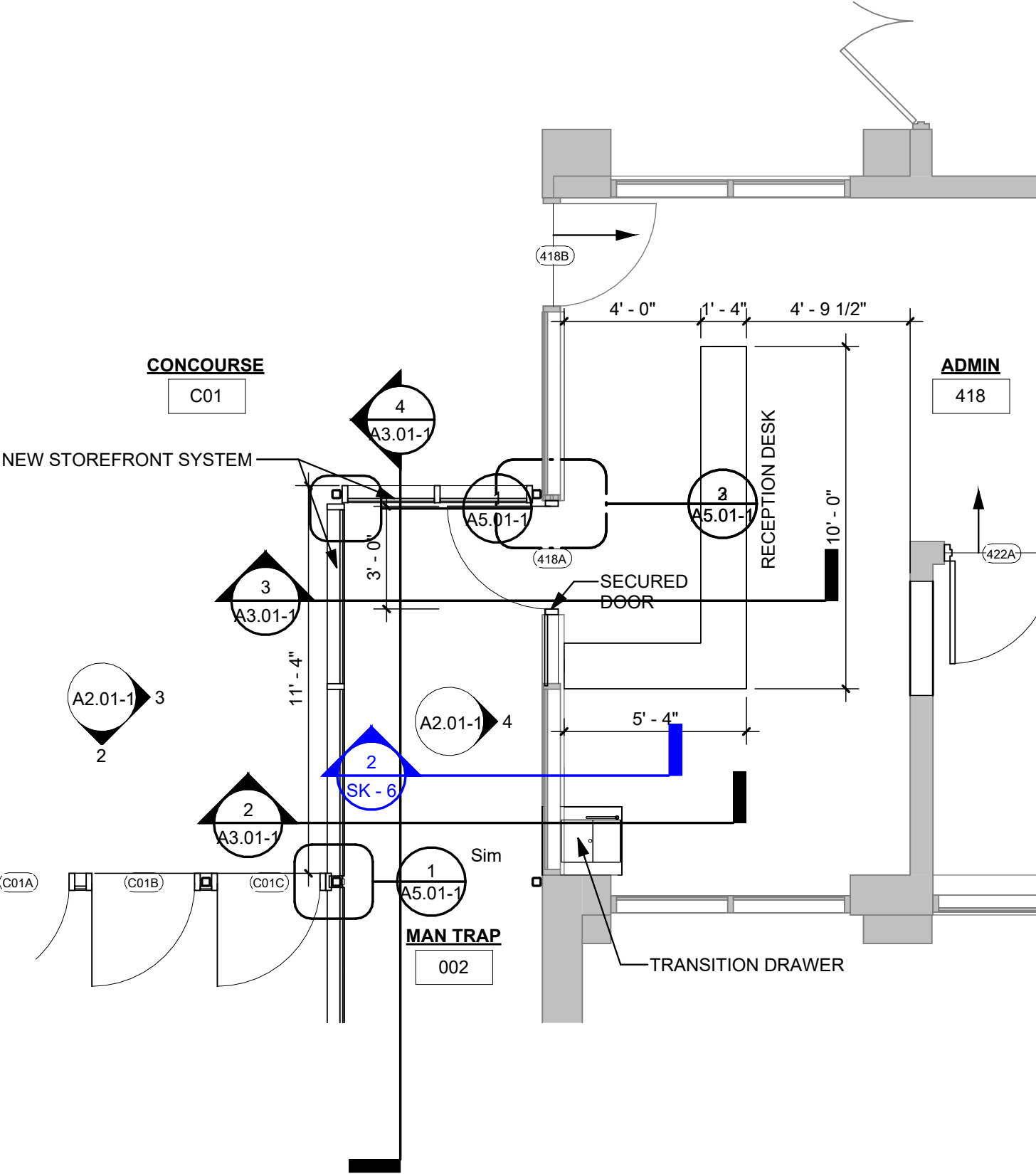
1R FRAMING PLAN - FOR REFERENCE
A1.01-1 1/4" = 1'-0"



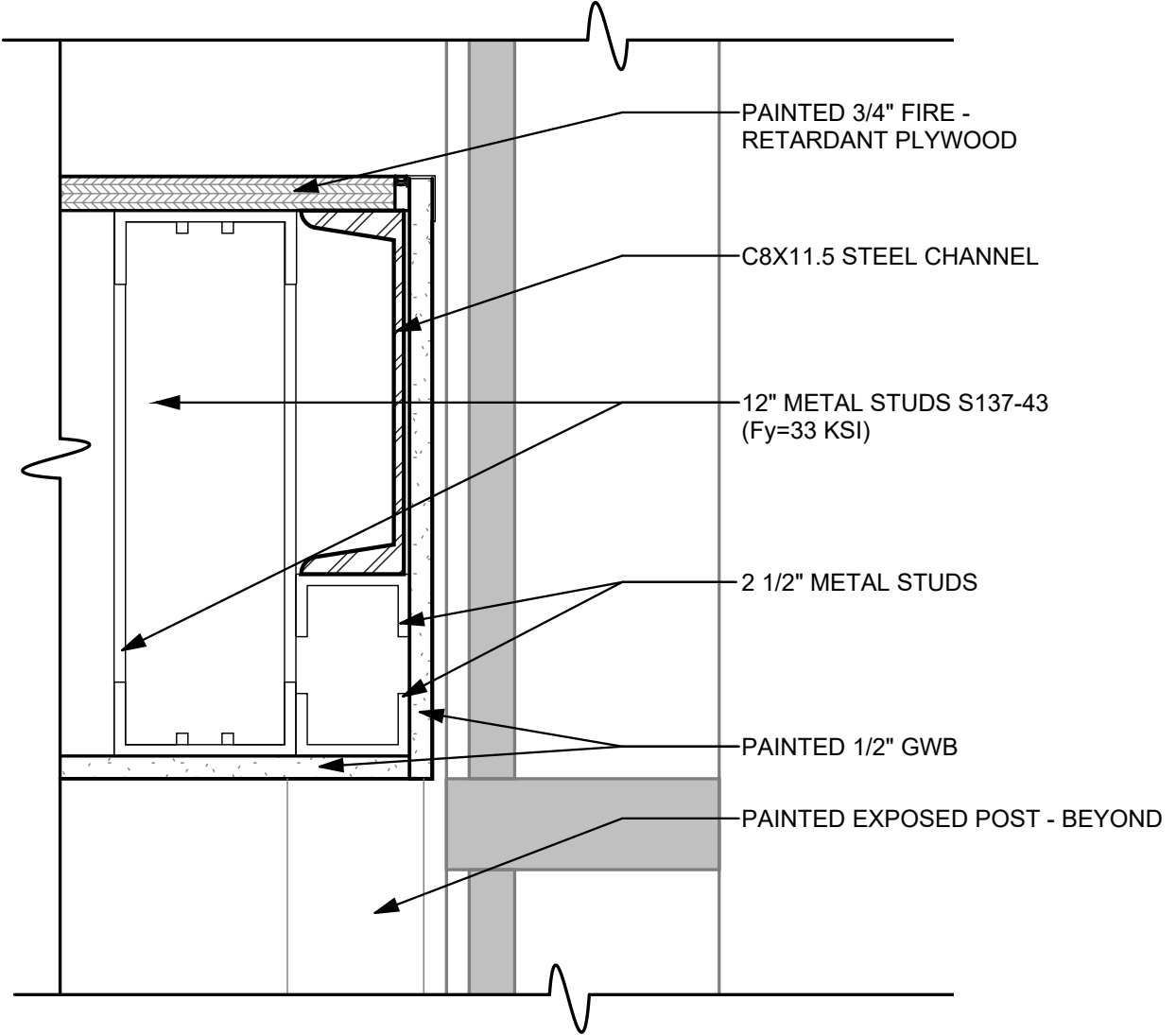
2 CEILING DETAIL
SK - 4 1 1/2" = 1'-0"



2R VESTIBULE FRAMING PLAN
A1.13-2 1/4" = 1'-0"



2R FLOOR PLAN - FOR REFERENCE
1/4" = 1'-0"



2 CEILING DETAIL
3" = 1'-0"