

ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR THE STATE OF MISSOURI

**Renovate Interior & Exterior
Moberly Readiness Center
Moberly, Missouri
Project No.: T2208-01**

Bid Opening Date: 1:30 PM, Thursday, April 20, 2023 (NOT CHANGED)

Bidders are hereby informed that the construction plans and/or specifications are modified as follows:

SPECIFICATION CHANGES:

1. As a general note, unless otherwise specifically stated in the specifications, when color selections are listed as “manufactures full range of colors” this means manufacturers full range of standard colors.
2. Section 064023 – Interior Architectural Woodwork
 - a. DELETE Paragraphs 2.3-G and 2.3-H. Casework shall not have locks.
 - b. REVISE Paragraph 2.5-B.3.d as follows:
 - d. Edges: Grade HGS or PVC edge banding. PVC edge banding to be 3 mm thick on doors & drawers and 1 mm thick on cabinet body edges. Edge banding shall match laminate in color, pattern, and finish.
 - c. REVISE Paragraph 2.5-C.3 as follows:
 3. Countertop edge banding shall be identical to Paragraph 2.5-B.3.d above. All counter tops shall have a square edge and be provided with loose backsplashes to be installed in the field.
3. Section 075423 – Thermoplastic Polyolefin (TPO) Roofing
 - a. REMOVE and REPLACE Section 075423 with attached revised Section 075423.
 - b. Mule Hide products have been added to the approved manufacturers lists.
 - c. Prior to construction, the roofing installer shall submit documentation from the proposed roofing manufacturer verifying the installer meets the qualifications set forth in Paragraph 1.5-B of the attached revised Section 075423.
4. Section 085113 – Aluminum Windows
 - a. ADD Paragraphs 2.01-A.4 and 2.01-A.5 as follows:
 4. Winco brand 4410 single hung windows and 1450 fixed window products are approved alternate products. It shall be the responsibility of the Contractor, Provider, and Installer to make appropriate adjustments for increased window depth.
 5. Manko single hung 3141XPT & fixed 4032XPT are approved alternate products.

5. Section 096723 – Resinous Flooring & Wall Covering

- a. ADD Paragraph 3.3-G as follows. Products listed are for the basis of design product. If alternate products listed in Paragraph 2.1-B are used, the installer shall verify alternate products with manufacturer and designer. All products utilized in the resinous flooring shall be sourced from a single manufacturer.
 - G. Resurfacing of existing slab
 1. Substrate concrete must be structurally sound and cured a minimum of 28 days.
 2. Remove all loose materials, all existing dry pack or mud bath, deteriorated concrete, laitance, existing coatings, and other bond-inhibiting materials from the substrate in accordance with SSPC[1]SP13/NACE 6, minimum surface profile of ICRI-CSP6.
 3. Apply a scrub coat of Tnemec's Series 217 Mortarcrete then a final coat up to 2" in a single lift to level slab, and to drain, and coordinate with shower inserts.
 4. Material does have self-leveling properties, so areas where the fluidity of the material needs to be adjusted, the Series 211-219 may be added. Review the Series 217 and Series 211-219 data pages and application guide for proper mixing and installation procedures.
 5. Once Series 217 has fully cured in accordance with the chart listed on the materials data page, the surface must be reprepared to the specified resinous flooring surface preparation standards prior to the application of the resinous flooring system.

DRAWING CHANGES:

1. Sheet D-101

- a. ADD the following Demolition Notes:
 - 11a. Demo ceramic tile and approximately 1 ½" drypack down to existing slab in rooms Men 5, ADA 4, & Women 2. Per original construction documents, existing slab in these areas is recessed 2". Infill with epoxy floor manufacturers recommended product as required to create a level surface with existing slab, drain to appropriate floor drains, and to coordinate with showers and ADA shower. Reference Section 096723 for more information.
 21. Contractor to remove and reinstall blinds. Blinds present at all windows in Storage-108, Office 2-115, Classroom 1-116, Classroom 2-117, Office 3-118, Office 4-119, Office 5-120, Office 6-121. Remove blinds from Kitchen 113.

2. Sheet A-104

- a. ADD the following note to 1/A-104 Roof Plan: "The upper roof downspout termination elbow shall project far enough from the walls to drain onto the walkway pads. Contractor shall coordinate between the sheet metal installer and the roof installer."

3. Sheet A-201

- a. REMOVE and REPLACE Sheet A-201 with attached revised Sheet A-201. Changes clarify window type E on the upper walls.

4. Sheet A-402

- a. ADD the following note to 5/A-402 Kitchen Elevation 5: "Adjust acoustic ceiling tile & grid installation as required to allow for blind reinstallation. Coordinate with details on Sheet A-503."
- b. DELETE solid surface countertop reference on 1/A-402 Kitchen Elevation 1 and 5/A-402 Kitchen Elevation 5. All countertops to be HPL.

5. Sheet A-503

- a. REMOVE and REPLACE Sheet A-503 with attached revised Sheet A-503. Changes clarify the head details at all the windows, including the removal and reinstallation of all blinds. Adjust acoustic ceiling tile & grid installation as required to allow for blind reinstallation.

6. Sheet A-601

- a. ADD the following notes below the Finish Schedule:
 1. Vestibule 100 walls to receive epoxy coating over the Glazed Structural Facing Units (GSFU), approx. 5'-6" high and paint on the CMU block above. Prepare GSFU as required to install epoxy coating.
 2. Women 103, Men 104, & Kitchen 113 to receive epoxy coating on remaining GSFU walls, approx. 5'-6" high and paint on existing CMU block above and on all new drywall surfaces. Prepare GSFU as required to install epoxy coating.
 3. All existing doors and frames to be painted.
 4. FRP in UTE 101 shall only be required at the mop sink. Panels will extend out a minimum of 4'-0" from the corner.
 5. Locker Room-110, Office 1 - 112, & Storage - 111, all have a ceiling of exposed structure. Revise ceiling finish to "paint exposed structure".
- b. ADD the following note to Window Types: "Windows B, B1, & B2 are all similar size. See Sheets A-102 and A-503 for mounting conditions."

7. Sheet A-701

- a. ADD the following note to 2/A-701 Suspended Ceiling Detail: "The suspended acoustic ceiling grid and tile are to be flush with the top of the bottom flange of the structure but shall not bear on the bottom flange."

8. Sheet M-101

- a. ADD the following note to HVAC PLAN GENERAL NOTES:
 3. All new HVAC equipment utilizing existing roof openings/penetrations shall be installed/reinstalled such that top of equipment mounting curbs are at least 8" from top of roof membrane; modify existing curbs or provide new as necessary to meet this requirement.

9. Sheet E-102

- a. ADD the following note to LIGHTING PLAN GENERAL NOTES:
5. Contractor to uninstall/reinstall overhead projector in Classroom 2-117 or temporarily protect during construction as required.

11. ADD attached drawings AD1.1 and AD1.2. AD1.1 shows the original construction documents indicated conditions at the upper roof edge with an internal gutter system around the entire perimeter of the roof. Verification of current condition could not be ascertained at this time though it is presumed the gutter has been filled or spanned during previous roof renovations. AD1.2 shows base bid detail for spanning of internal gutter. Coordinate any changes with the owner's construction administrator and designer upon demolition.

12. ADD attached drawings AD1.3 and AD1.4. AD1.3 shows the existing observed conditions of the existing metal panels and wall construction on the upper wall. AD1.4 shows the intended revised detail to comply with roofing membrane turn up requirements.

GENERAL COMMENTS:

1. Regarding interior equipment at the Moberly Readiness Center:
 - a. The Guard will remove and reinstall all marker and tack boards, all exercise equipment, moveable equipment, and trophy case into the assembly hall. Contractor shall cover and protect. Storage location will be coordinated with the awarded bidder.
 - b. In Assembly Hall – 102, basketball goals and detention cage will remain in place. Contractor may remove and reinstall either or both, if required by the scope of work.
2. The Pre-Bid meeting was held April 6, 2023 followed by a walk-through of the project site. The Pre-Bid Meeting sign-in sheet is attached.
3. The project site will be available for a walk through on Monday, April 17, 2023 from 9:00 AM – 10:00 AM. No one will be available to answer questions on the drawings.
4. The deadline for technical questions was Wednesday, April 12, 2023 @ 12:00 noon.
5. Please contact Paul Girouard, Contract Specialist, at (573) 751-4797, Paul.Girouard@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
6. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
7. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
8. Current Plan holders list is available online at: <https://www.oafmdcplanroom.com/jobs/1761/plan-holders/t2208-01-renovate-interior-exterior-moberly-readiness-center>.
9. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, (573) 446-7768 to get plans and specifications.
- 10. All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled including a bid amount for each alternate. Failure to do so will result in rejection of the bid.**

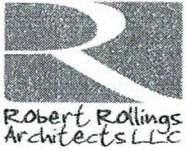
11. MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.

ATTACHMENTS:

1. Pre-Bid Meeting Sign-In Sheet
2. Revised Section 075423 - Thermoplastic Polyolefin (TPO) Roofing
3. Drawings AD1.1, AD1.2, AD1.3, and AD1.4.
4. Revised Sheets A-201 & A-503

April 13, 2023

END ADDENDUM NO. 1



Moberly Readiness Center Pre-Bid
Attendance Sheet
Thursday, April 06, 2023

1806 W. Broadway Boulevard
Sedalia, MO 65301
Fax: 660.829.9752, Phone: 660.829.9751

Project: Job Number:		
Attendee	Company	Email or telephone
Carl Haley	OA/FMDC	carl.haley@oa.mo.gov 573-298-2338
Brandon Dorge	Missouri Builders	bdorge@missouribuilders.net 573-469-8525
Joe Garnett	Watson concrete	Joe@watsonconcreteinc.com 573-442-1113
Jack Matheson	PCE	jmatheson@pce-mo.com
Charles Saunders	DK Power-WBE	573-721-3564 Charles.DKPower@gmail.com
Terry Tobias	Brown and Root	573-257-0509 Terry.Tobias@brownandroot.com
Brad Roane	Brown & Root	573 353 0454 brad.roane@brownandroot.com
Bailey Huhmann	Brown and Root	573 353 7495 bailey.huhmann@brownandroot.com
David Nichols	DK Foam	573-540-1894 david.nichols@dkfoam.com



Moberly Readiness Center Pre-Bid
Attendance Sheet
Thursday, April 06, 2023

1806 W. Broadway Boulevard
Sedalia, MO 65301
Fax: 660.829.9752, Phone: 660.829.9751

Project: Job Number:		
Attendee	Company	Email or telephone
Ty Golden	EMERY SAPP & SONS	Ty.GOLDEN@EMERYSAPP.COM 573-445-8331
Kenny Beal	Peters Heating & Air	Kbeal@petershvac.net 217-506-2941
Zack Moss	ASR	zack@asrmo.com 573-634-2241
Josh Nail	Walls HVAC Service	RangerJustin@Holmlin.com 573-286-0037
Brian Buschjast	Kaiser Electric	bbuschjast@KaiserCentralMO.com 573 690-1547
Jonathan Winston	Robinson	jwinston@RCCO.COM 573-517-5158
Praus Nichols	Primus Consulting LLC → JR & Co., Inc Partner	praus@primuskc.com 913-832-9659
STEVE SALAMONIK	PROST BUILDERS	ESRMATTING@PROSTBUILDERS.COM 573 635 0211
Mike Brooker	Brook Drywall	Mbrooker@brooker-drywall.com



Moberly Readiness Center Pre-Bid
Attendance Sheet
Thursday, April 06, 2023

1806 W. Broadway Boulevard
Sedalia, MO 65301
Fax: 660.829.9752, Phone: 660.829.9751

Project: Job Number:		
Attendee	Company	Email or telephone
Dan Tottleben	Vazquez Com. Cont.	dant@vazquezcc.com 816-812-3430
KEM BURNETT	BLACKDOG ENTERPRISES SDVE	KBURNETT@BLACKDOGKC.COM 816-591-2622
Brad Dean	Columbia Ready Mix/land Concrete	bradley.dean@col-readymix.com 573-239-9929
Brian Fischer	Weathercraft Inc	bf@wcrfg.com (573) 635-0141
Brent Parris	Roofers + waterproofer Local 20	brent@rooferslocal20.com 573-216-6040
Beau Cook	Jeffries Electric	Beau@JeffriesElectrical.com 573-694-4217
Josh Brower	Brower Electric	brower_josh@yahoo.com 417-343-1821
Gary Shinault	Quaker Window	gshinault@quakerwindows.com 314-591-0542
Bret Palliser	G+R Construction Inc.	Bretp@GrCon.org 573-289-9401

SECTION 075423 - THERMOPLASTIC POLYOLEFIN (TPO) ROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section Includes:
 - 1. Adhered TPO membrane roofing system.
 - 2. Roof insulation.

1.3 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed membrane roofing and base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Membrane roofing and base flashings shall remain watertight.
- B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by membrane roofing manufacturer based on testing and field experience.
- C. Roofing System Design: Provide membrane roofing system that is identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist uplift pressure calculated according to ASCE/SEI 7.
- D. FM Approvals Listing: Provide membrane roofing, base flashings, and component materials that comply with requirements in FM Approvals 4450 and FM Approvals 4470 as part of a membrane roofing system, and that are listed in FM Approvals' "RoofNav" for Class 1 or noncombustible construction, as applicable. Identify materials with FM Approvals markings.
 - 1. Fire/Windstorm Classification: **Class 1A-90.**

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: For roofing system. Include plans, sections, details, and attachments to other work.
 - 1. Base flashings and membrane terminations.

2. Roof plan showing orientation of membrane.
 3. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.
- C. Samples for Verification: For the following products:
1. Sheet roofing, of color specified, including T-shaped side and end lap seam.
 2. Roof insulation.
 3. Walkway pads.
 4. Metal termination bars.
 5. Six insulation fasteners of each type, length, and finish.
- D. Qualification Data: For qualified Installer and manufacturer.
- E. Manufacturer Certificates: Signed by roofing manufacturer certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
- F. Warranties: Sample of special warranties.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that is FM approved for membrane roofing system identical to that used for this Project.
- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by membrane roofing system manufacturer for a period of five (5) years to install manufacturer's product and that is eligible to receive manufacturer's special warranty.
- C. Exterior Fire-Test Exposure: ASTM E 108, Class A; for application and roof slopes indicated, as determined by testing identical membrane roofing materials by a qualified testing agency. Materials shall be identified with appropriate markings of applicable testing agency.
- D. Source Limitations: Obtain all components including membrane, roof insulation, coverboard, roof attachment mechanisms / adhesive, etc., for membrane roofing system from same manufacturer as membrane roofing.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.

- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Handle and store roofing materials and place equipment in a manner to avoid permanent deflection of deck.

1.7 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

1.8 WARRANTY

- A. Special Warranty: Manufacturer's standard or customized form, without monetary limitation, in which manufacturer agrees to repair or replace components of membrane roofing system that fail in materials or workmanship within specified warranty period.
 - 1. Special warranty includes membrane roofing, base flashings, roof insulation, fasteners, cover boards, roofing accessories, and other components of membrane roofing system.
 - 2. Warranty Period: 20 years from date of Substantial Completion.
- B. Special Project Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering the Work of this Section, including all components of membrane roofing system such as membrane roofing, base flashing, roof insulation, fasteners, cover boards, substrate boards, vapor retarders, roof pavers, and walkway products, for the following warranty period:
 - 1. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 TPO MEMBRANE ROOFING

- A. Fabric-Reinforced Thermoplastic Polyolefin Sheet: ASTM D 6878, internally fabric or scrim reinforced, uniform, flexible TPO sheet.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Firestone Building Products Company.
 - b. Carlisle
 - c. GAF Materials Corporation.
 - d. GenFlex Roofing Systems.
 - e. Johns Manville.
 - f. Versico Incorporated
 - g. Mule-Hide Products Co., Inc.
 - h. Or approved equal

2. Thickness 60 mils nominal.
3. Exposed Face Color: White.

2.2 AUXILIARY MEMBRANE ROOFING MATERIALS

- A. General: Auxiliary membrane roofing materials recommended by roofing system manufacturer for intended use, and compatible with membrane roofing.
 1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
- B. Sheet Flashing: Manufacturer's standard unreinforced thermoplastic polyolefin sheet flashing, 55 mils thick, minimum, of same color as sheet membrane.
- C. Bonding Adhesive: Manufacturer's standard.
- D. Metal Termination Bars: Manufacturer's standard, predrilled stainless-steel or aluminum bars, approximately 1 by 1/8 inch thick; with anchors.
- E. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening membrane to substrate, and acceptable to membrane roofing system manufacturer.
- F. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories.

2.3 ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved by TPO membrane roofing manufacturer, selected from manufacturer's standard sizes suitable for application, of thicknesses indicated and that produce FM Approvals-approved roof insulation.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on both major surfaces.
- C. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated.

2.4 INSULATION ACCESSORIES

- A. General: Furnish roof insulation accessories recommended by insulation manufacturer for intended use and compatibility with membrane roofing.
- B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening roof insulation and cover boards to substrate, and acceptable to roofing system manufacturer.
- C. Cover Board: Fiberboard high density, 1/4 inch thick, R.3.

2.5 WALKWAYS

- A. Flexible Walkways: Factory-formed, nonporous, heavy-duty, slip-resisting, surface-textured walkway pads or rolls, approximately 3/16 inch thick and acceptable to membrane roofing system manufacturer.
 - 1. Exposed Face Color: White

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with the following requirements and other conditions affecting performance of roofing system:
 - 1. Verify that roof openings and penetrations are in place and curbs are set and braced and that roof drain bodies are securely clamped in place.
 - 2. Verify that wood blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
- C. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at the end of the workday or when rain is forecast. Remove and discard temporary seals before beginning work on adjoining roofing.

3.3 INSULATION INSTALLATION

- A. Coordinate installing membrane roofing system components so insulation is not exposed to precipitation or left exposed at the end of the workday.
- B. Comply with membrane roofing system and insulation manufacturer's written instructions for installing roof insulation.
- C. Install insulation under area of roofing to achieve required thickness. Where overall insulation thickness is 3 inches or greater, install two or more layers with joints of each succeeding layer staggered from joints of previous layer a minimum of 6 inches in each direction.
- D. Trim surface of insulation where necessary at roof drains so completed surface is flush and does not restrict flow of water.

- E. Install insulation with long joints of insulation in a continuous straight line with end joints staggered between rows, abutting edges and ends between boards. Fill gaps exceeding 1/4 inch with insulation.
 - 1. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.
- F. Mechanically Fastened Insulation: Install each layer of insulation and secure to deck using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to deck type.
 - 1. Fasten insulation according to requirements in FM Approvals' "RoofNav" for specified Windstorm Resistance Classification.
 - 2. Fasten insulation to resist uplift pressure at corners, perimeter, and field of roof.
- G. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Offset joints of insulation below a minimum of 6 inches in each direction. Loosely butt cover boards together and adhere to roof insulation.
 - 1. Fasten cover boards according to requirements in FM Approvals' "RoofNav" for specified Windstorm Resistance Classification.
 - 2. Fasten cover boards to resist uplift pressure at corners, perimeter, and field of roof.

3.4 ADHERED MEMBRANE ROOFING INSTALLATION

- A. Adhere membrane roofing over area to receive roofing and install according to membrane roofing system manufacturer's written instructions.
- B. Start installation of membrane roofing in presence of membrane roofing system manufacturer's technical personnel.
- C. Accurately align membrane roofing and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- D. Bonding Adhesive: Apply to substrate and underside of membrane roofing at rate required by manufacturer and allow to partially dry before installing membrane roofing. Do not apply to splice area of membrane roofing.
- E. In addition to adhering, mechanically fasten membrane roofing securely at terminations, penetrations, and perimeter of roofing.
- F. Apply membrane roofing with side laps shingled with slope of roof deck where possible.
- G. Seams: Clean seam areas, overlap membrane roofing, and hot-air weld side and end laps of membrane roofing and sheet flashings according to manufacturer's written instructions to ensure a watertight seam installation.
 - 1. Test lap edges with probe to verify seam weld continuity. Apply lap sealant to seal cut edges of sheet membrane.
 - 2. Verify field strength of seams a minimum of twice daily and repair seam sample areas.
 - 3. Repair tears, voids, and lapped seams in roofing that does not comply with requirements.

- H. Spread sealant bed over deck drain flange at roof drains and securely seal membrane roofing in place with clamping ring.

3.5 BASE FLASHING INSTALLATION

- A. Install sheet flashings and preformed flashing accessories and adhere to substrates according to membrane roofing system manufacturer's written instructions.
- B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate and allow to partially dry. Do not apply to seam area of flashing.
- C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- D. Clean seam areas, overlap, and firmly roll sheet flashings into the adhesive. Hot-air weld side and end laps to ensure a watertight seam installation.
- E. Terminate and seal top of sheet flashings.

3.6 WALKWAY INSTALLATION

- A. Flexible Walkways: Install walkway products in locations indicated. Heat weld to substrate or adhere walkway products to substrate with compatible adhesive according to roofing system manufacturer's written instructions.

3.7 FIELD QUALITY CONTROL

- A. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.
- B. Repair or remove and replace components of membrane roofing system where inspections indicate that they do not comply with specified requirements.
- C. Additional inspections, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

3.8 PROTECTING AND CLEANING

- A. Protect membrane roofing system from damage and wear during remainder of construction period. When remaining construction will not affect or endanger roofing, inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove membrane roofing system that does not comply with requirements; repair substrates; and repair or reinstall membrane roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.

3.9 ROOFING INSTALLER'S WARRANTY

- A. WHEREAS **<Insert name>** of **<Insert address>**, herein called the "Roofing Installer," has performed roofing and associated work ("work") on the following project:
1. Owner: **<Insert name of Owner>**.
 2. Address: **<Insert address>**.
 3. Building Name/Type: **<Insert information>**.
 4. Address: **<Insert address>**.
 5. Area of Work: **<Insert information>**.
 6. Acceptance Date: **<Insert date>**.
 7. Warranty Period: **<Insert time>**.
 8. Expiration Date: **<Insert date>**.
- B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks and faulty or defective materials and workmanship for designated Warranty Period,
- C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period he will, at his own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work and as are necessary to maintain said work in a watertight condition.
- D. This Warranty is made subject to the following terms and conditions:
1. Specifically excluded from this Warranty are damages to work and other parts of the building, and to building contents, caused by:
 - a. Lightning;
 - b. Peak gust wind speed exceeding 72 mph;
 - c. Fire;
 - d. Failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
 - e. Faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
 - f. Vapor condensation on bottom of roofing; and
 - g. Activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
 2. When work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
 3. Roofing Installer is responsible for damage to work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of work.
 4. During Warranty Period, if Owner allows alteration of work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of said alterations, but only to the extent said alterations affect work covered by this Warranty. If Owner engages Roofing

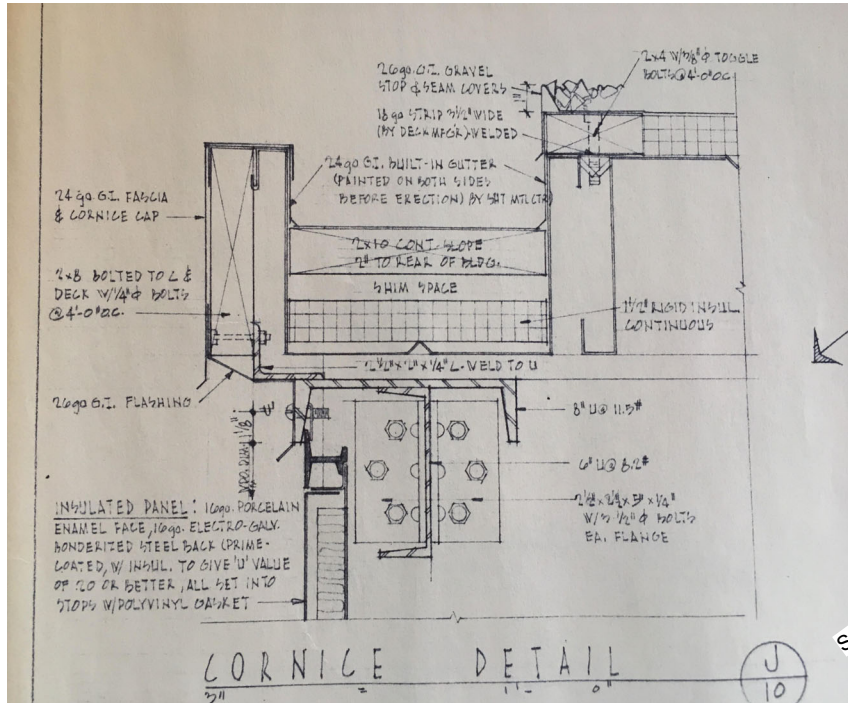
Installer to perform said alterations, Warranty shall not become null and void unless Roofing Installer, before starting said work, shall have notified Owner in writing, showing reasonable cause for claim, that said alterations would likely damage or deteriorate work, thereby reasonably justifying a limitation or termination of this Warranty.

5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a promenade, work deck, spray-cooled surface, flooded basin, or other use or service more severe than originally specified, this Warranty shall become null and void on date of said change, but only to the extent said change affects work covered by this Warranty.
6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect work and to examine evidence of such leaks, defects, or deterioration.
7. This Warranty is recognized to be the only warranty of Roofing Installer on said work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of original work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

E. IN WITNESS THEREOF, this instrument has been duly executed this **<Insert day>** day of **<Insert month>**, **<Insert year>**.

1. Authorized Signature: **<Insert signature>**.
2. Name: **<Insert name>**.
3. Title: **<Insert title>**.

END OF SECTION 075423

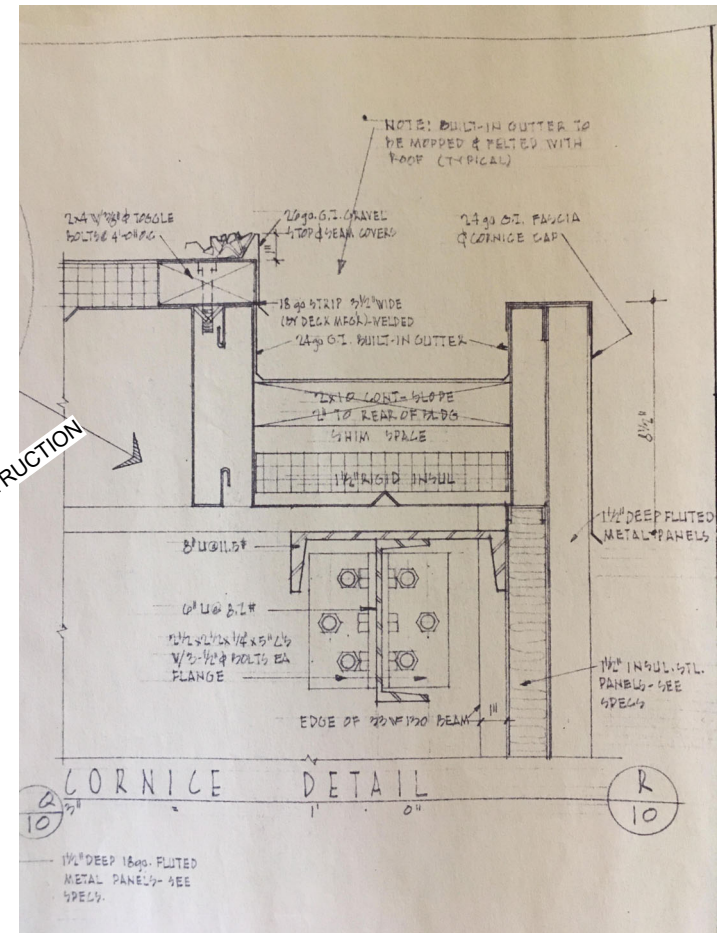


DETAIL AT WINDOW

NOTE: THIS IS INFORMATIONAL ONLY.

THIS DRAWING IS AN IMAGE TAKEN FROM THE ORIGINAL CONSTRUCTION DOCUMENTS AND SHOWS THE ORIGINAL BUILT-IN GUTTER DETAIL. WE COULD NOT OBTAIN DOCUMENTATION SHOWING HOW OR WHEN THIS DETAIL WAS REPLACED OR INFILLED.

1	ORIGINAL CONDITION 1 NTS
AD1.1	



DETAIL AT WALL PANEL

SCHEMATIC, NOT FOR CONSTRUCTION



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MOBERLY READINESS CENTER -
RENOVATE INTERIOR & EXTERIOR
310 E. MCKINSEY ST.
MOBERLY, MO 65270

DESCRIPTION:

DATE 4/11/2023

PROJECT NO. T2208-01

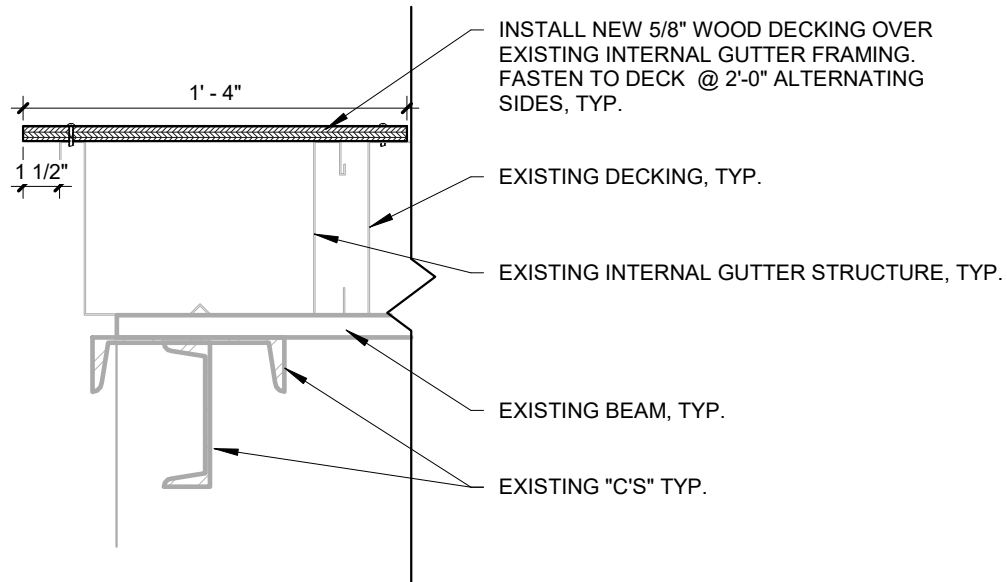
DWG REF: XXXX

DRAWING NO.

AD 1.1

EXISTING
CONDITION

DEMO EXISTING ROOF TO EXISTING METAL DECK, TYP.



1	GUTTER INFILL DETAIL
AD1.2	1 1/2" = 1'-0"

SCHEMATIC, NOT FOR CONSTRUCTION



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MOBERLY, MO 65270

DATE 4/11/2023
PROJECT NO. T2208-01

DRAWING NO.

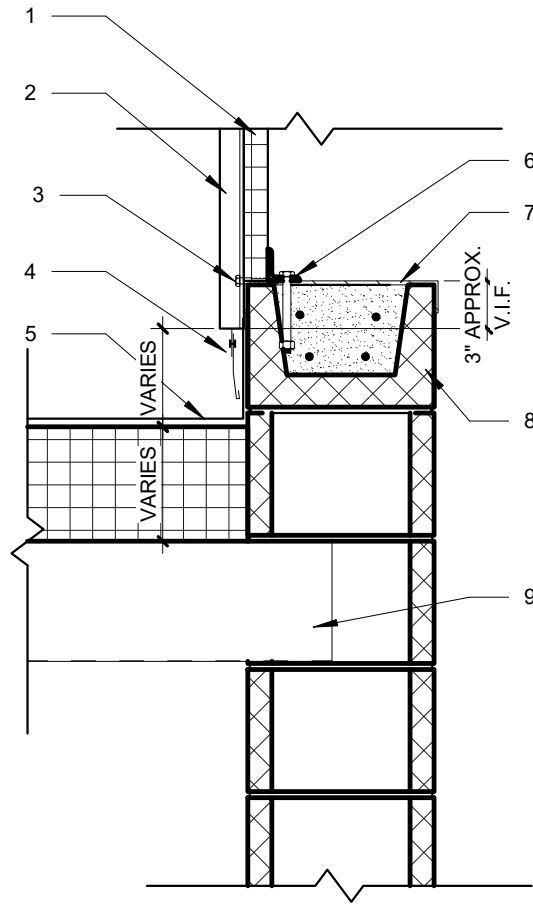
AD 1.2

DESCRIPTION:

DWG REF: XXXX

GUTTER INFILL

EXISTING, BOTTOM OF FLUTED PANELS FROM VISUAL OBSERVATION



SCHMATIC, NOT FOR CONSTRUCTION

NOTE: THE CONDITION SHOWN ABOVE IS BASED ON VISUAL OBSERVATION AND MEASUREMENT OF EXISTING CONDITIONS. EXACT CONSTRUCTION AND CONNECTION DETAILS COULD NOT BE DETERMINED BY VISUAL OBSERVATION. CONTRACTOR SHALL UTILIZE THIS DRAWING AS THE BASIS OF DESIGN FOR BIDDING PURPOSES.

1. EXISTING 1 1/2" INSULATED METAL PANELS TO REMAIN.
2. EXISTING 1 1/2" DEEP 18 GA. FLUTED METAL PANEL. GC TO MEDIA BLAST, TRIM, AND REINSTALL PER PROPOSED DETAIL ON AD1.4, TYP.
3. DEMO EXISTING FLANGED SCREW W/ RUBBER WASHER, TYP.
4. DEMO EXISTING FLASHING & COUNTER FLASHING, TYP.
5. DEMO EXISTING ROOF MEMBRANE AND INSULATION TO EXISTING METAL DECK
6. DEMO EXISTING CONT. 2 X 2 X 1/4 L. CUT / GRIND EXISTING 1/2" Ø BOLTS (LOCATED AT 2'-0" O.C.) FLUSH W/ EXISTING 12" X 2" FORMED "U".
7. EXISTING 12" X 2" X 3/16" FORMED "U", CONT. AROUND PERIMETER OF BUILDING, TO REMAIN, TYP
8. EXISTING BOND BEAM CONT. AROUND PERIMETER OF DRILL HALL, TO REMAIN, TYP.
9. EXISTING METAL ROOF STRUCTURE, TO REMAIN, TYP.

1	EXISTING WALL PANEL DETAIL
AD1.3	1" = 1'-0"



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MOBERLY, MO 65270

DATE 04/11/23

PROJECT NO. T2208-01

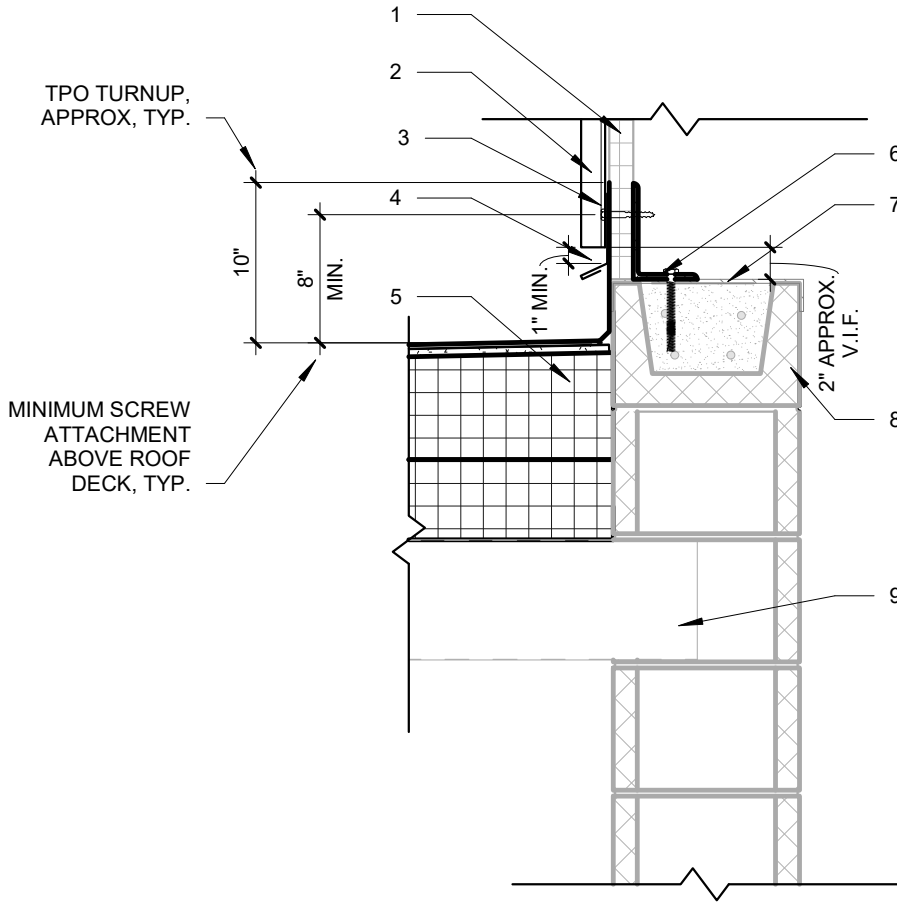
DWG REF:

DRAWING NO.

AD 1.3

DETAIL

PROPOSED NEW.



SCHEMATIC, NOT FOR CONSTRUCTION

NOTE: THE CONDITION SHOWN ABOVE IS BASED ON VISUAL OBSERVATION OF EXISTING CONDITIONS. EXACT CONSTRUCTION AND CONNECTION DETAILS COULD NOT BE DETERMINED BY VISUAL OBSERVATION. CONTRACTOR SHALL UTILIZE THIS DRAWING AS THE BASIS OF DESIGN FOR BIDDING PURPOSES.

1. EXISTING 1 1/2" INSULATED METAL PANELS.
2. 1 1/2" DEEP 18 GA. FLUTED METAL PANEL, MEDIA BLASTED, TRIMMED, PAINTED, AND REINSTALLED.
3. NEW FLANGED SCREW W/ RUBBER WASHER, SIZE TO MATCH EXISTING / DEMOLISHED. INSTALLED IN EVERY WALL PANEL VALLEY, INSTALL A MINIMUM OF 8.5" ABOVE TOP OF NEW ROOF PLANE, TYP.
4. NEW PRE-FIN. METAL FLASHING, TYP.
5. NEW 60 MIL FULLY ADHERED TPO MEMBRANE OVER 1/2" COVER BOARD AND TAPERED INSULATION ADHERE MEMBRANE TO EXTERIOR FACE OF EXISTING INSULATED METAL PANELS, TYP.
6. NEW L 6X4X5/16 FASTENED TO CMU W/ 3/8" X 3# TITEN HD ANCHORS @ 2'-0" O.C., TYP.
7. EXISTING 12" X 2" X 3/16" FORMED "U", CONT. AROUND PERIMETER OF BUILDING, TYP.
8. EXISTING BOND BEAM CONT. AROUND PERIMETER OF DRILL HALL, TYP.
9. EXISTING METAL ROOF STRUCTURE, TO REMAIN, TYP.

1	NEW WALL PANEL DETAIL
AD1.4	1" = 1'-0"



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MOBERLY, MO 65270

DATE 04/11/23

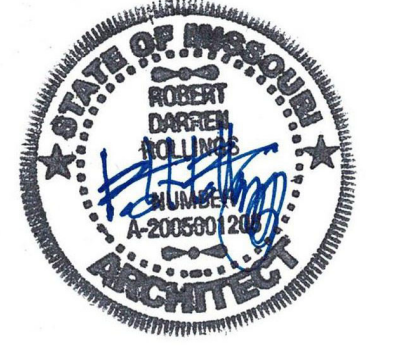
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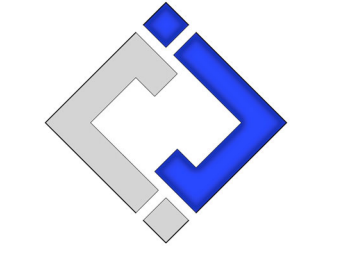
DRAWING NO.

AD 1.4

DETAIL



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Crockett Engineering Consultants, LLC
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MOBERLY READINESS CENTER - RENOVATE INTERIOR & EXTERIOR

MOBERLY READINESS CENTER
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MOBERLY, MO. 65270

PROJECT # T2208-01
SITE # 6296
ASSET # 8136296002

REVISION: ADDENDUM 1
DATE: 4/12/2023

REVISION: _____
DATE: _____

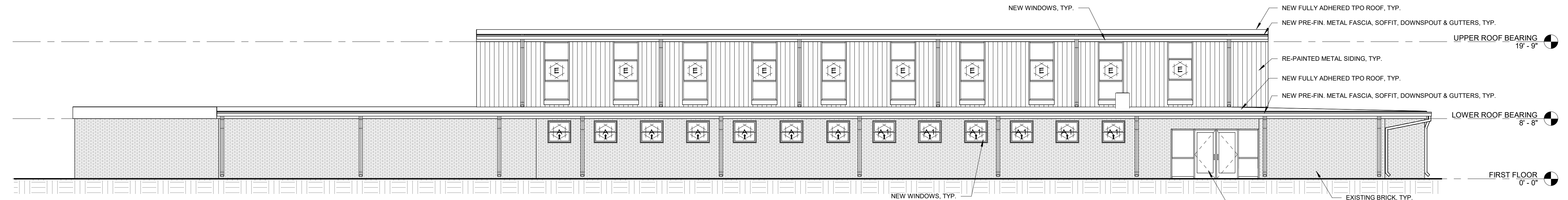
REVISION: _____
DATE: _____

ISSUE DATE: 02/15/2023
BID DOCUMENTS

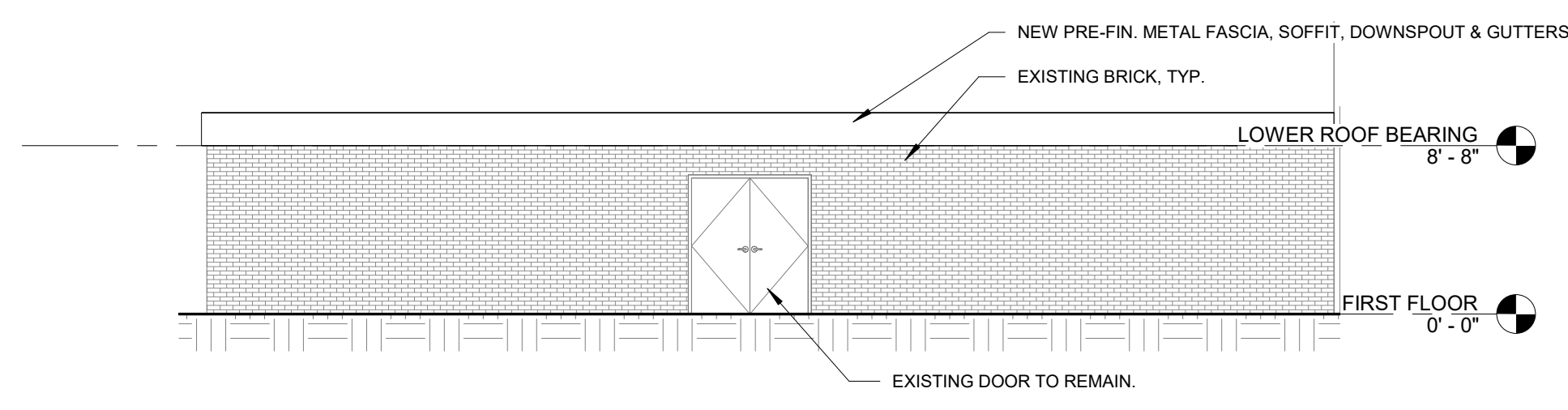
CAD DWG FILE: A-EL-16
DRAWN BY: AMK
CHECKED BY: RDR
DESIGNED BY: AMK

SHEET TITLE:
EXTERIOR ELEVATIONS

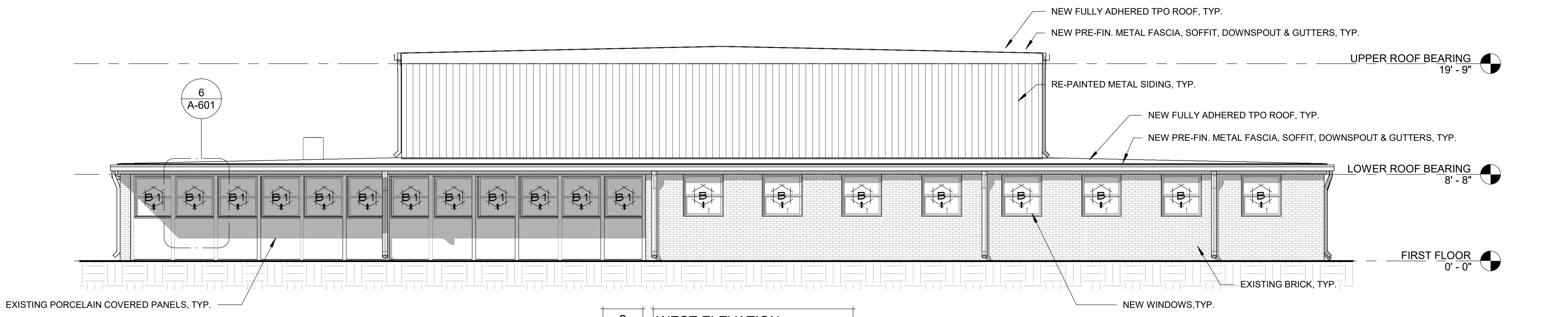
SHEET NUMBER:
A-201
SHEET 16 OF 35



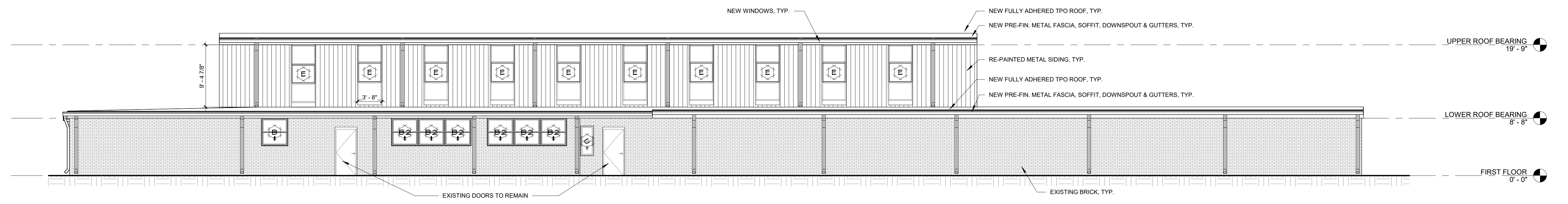
1 NORTH ELEVATION
A-201 1/8" = 1'-0"



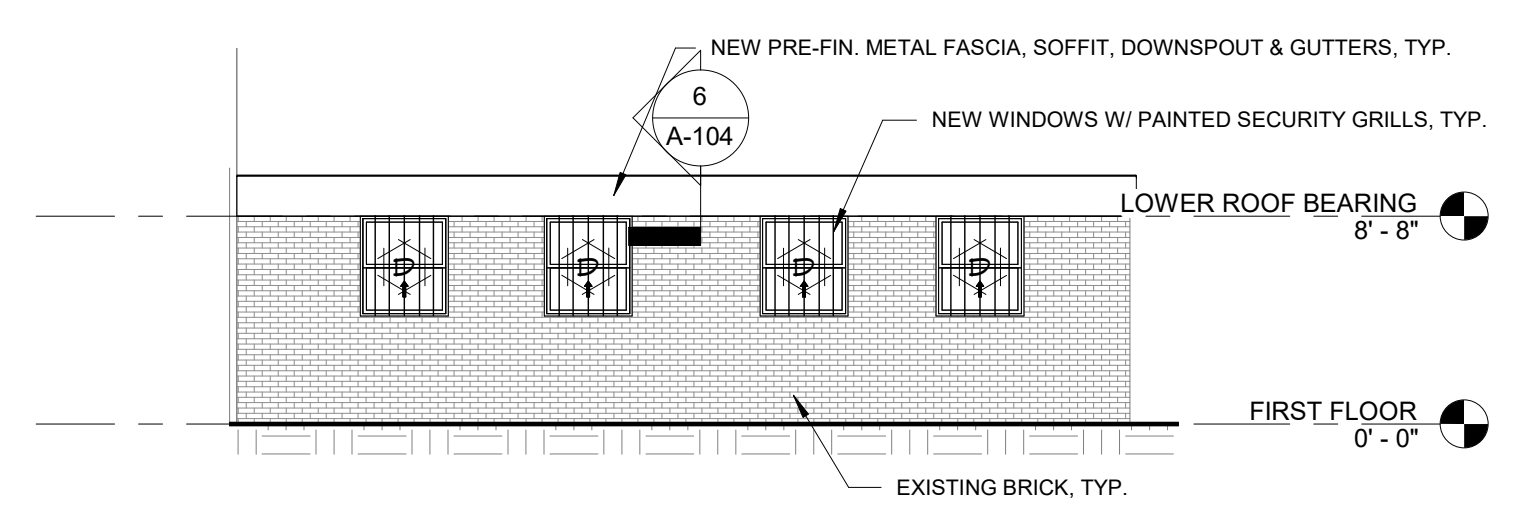
2 NORTH ELEVATION 2
A-201 1/8" = 1'-0"



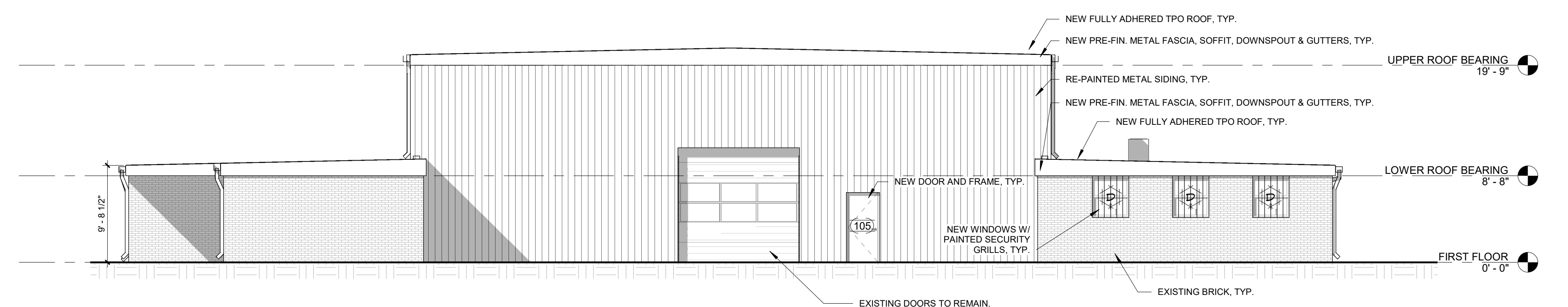
3 WEST ELEVATION
A-201 1/8" = 1'-0"



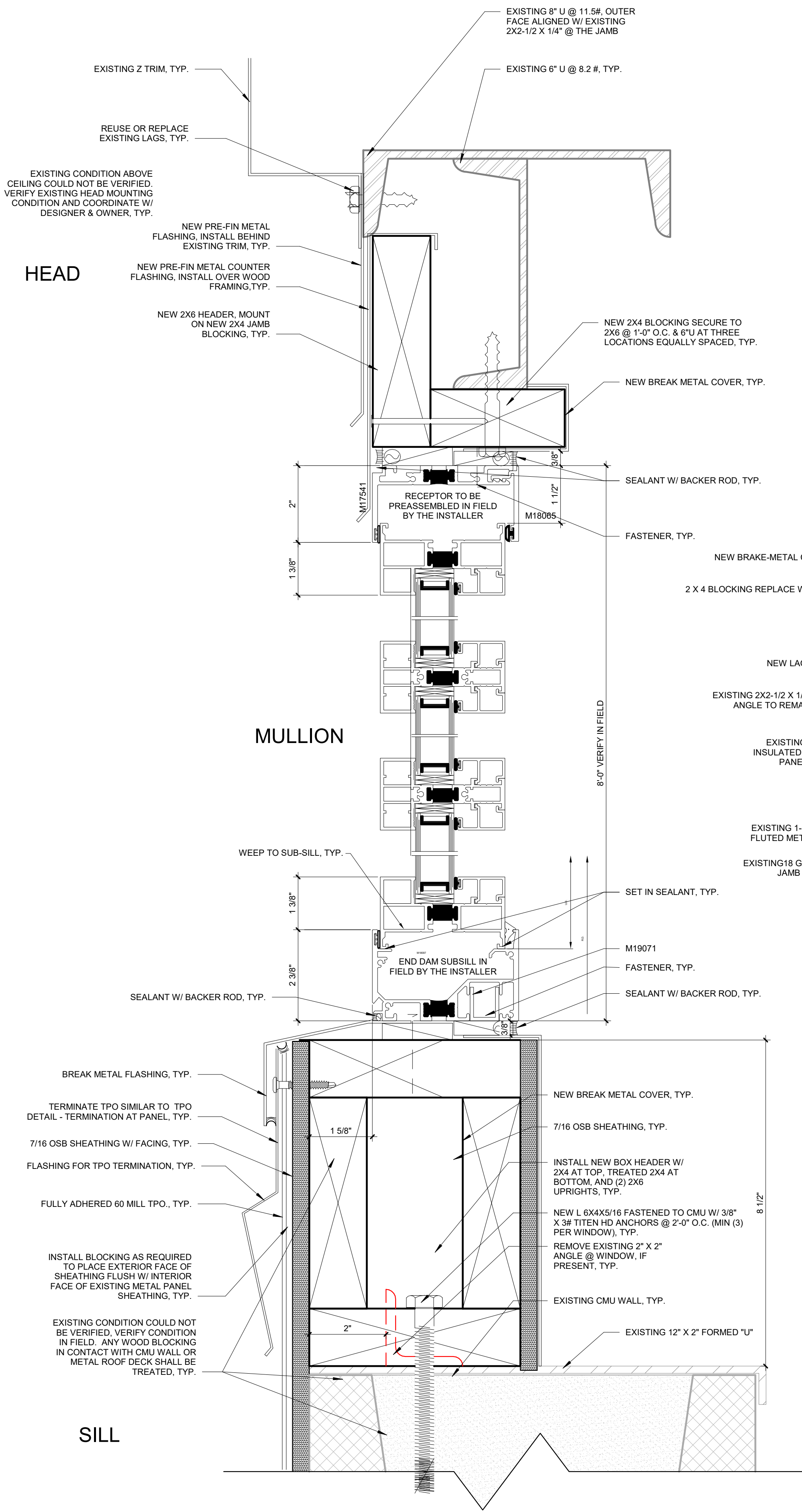
4 SOUTH ELEVATION
A-201 1/8" = 1'-0"



5 SOUTH ELEVATION 2
A-201 1/8" = 1'-0"



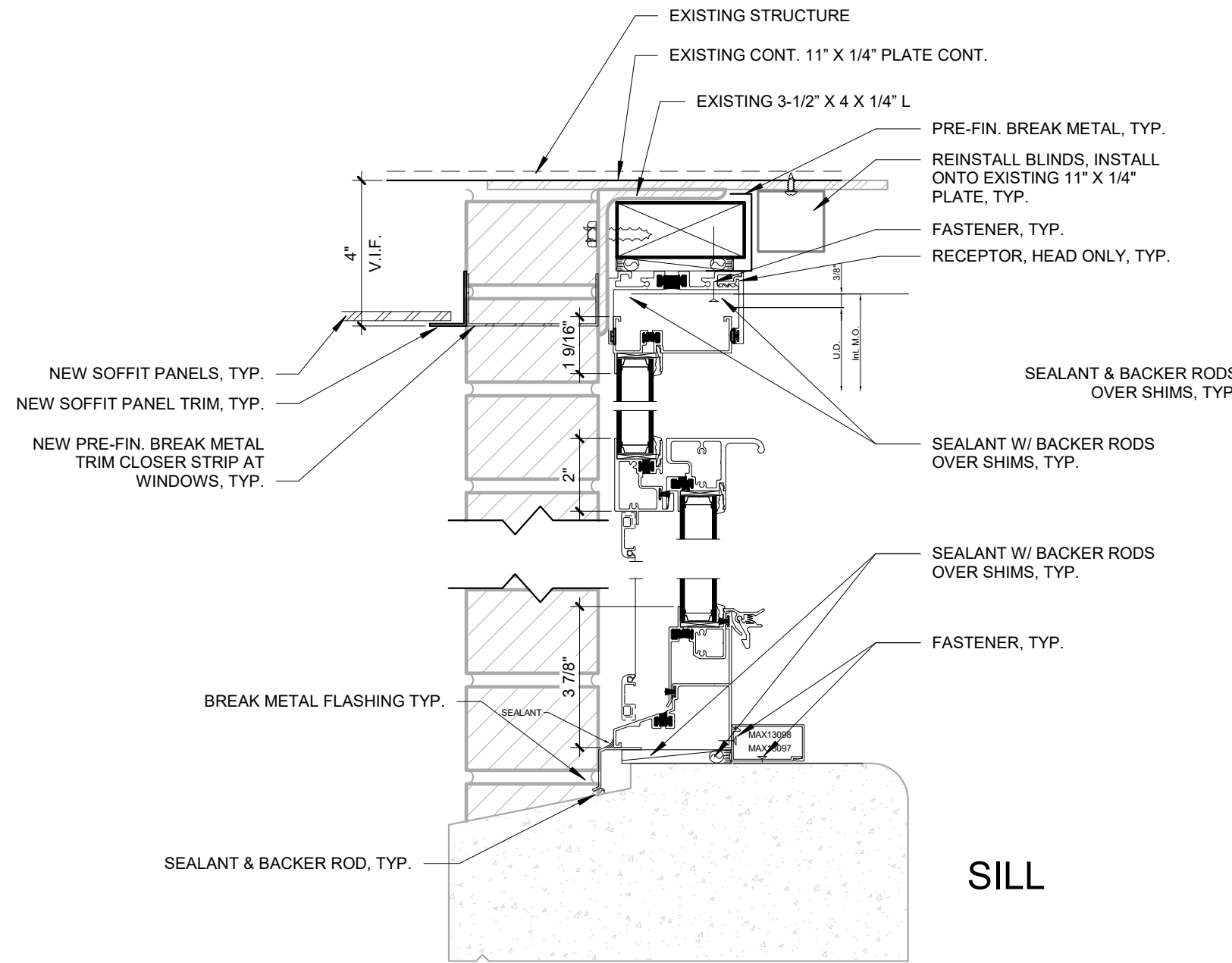
6 EAST ELEVATION
A-201 1/8" = 1'-0"



1 WINDOW "E" DETAILS
6" = 1'-0"

UPPER WINDOW DETAILS ARE BASED ON BASIS OF DESIGN PRODUCT QUAKER M600 WINDOWS
LOWER WINDOW DETAILS ARE BASED ON BASIS OF DESIGN PRODUCT, QUAKER T500 WINDOWS
SEE SPECIFICATIONS FOR ALTERNATE PRE-APPROVED PRODUCTS.

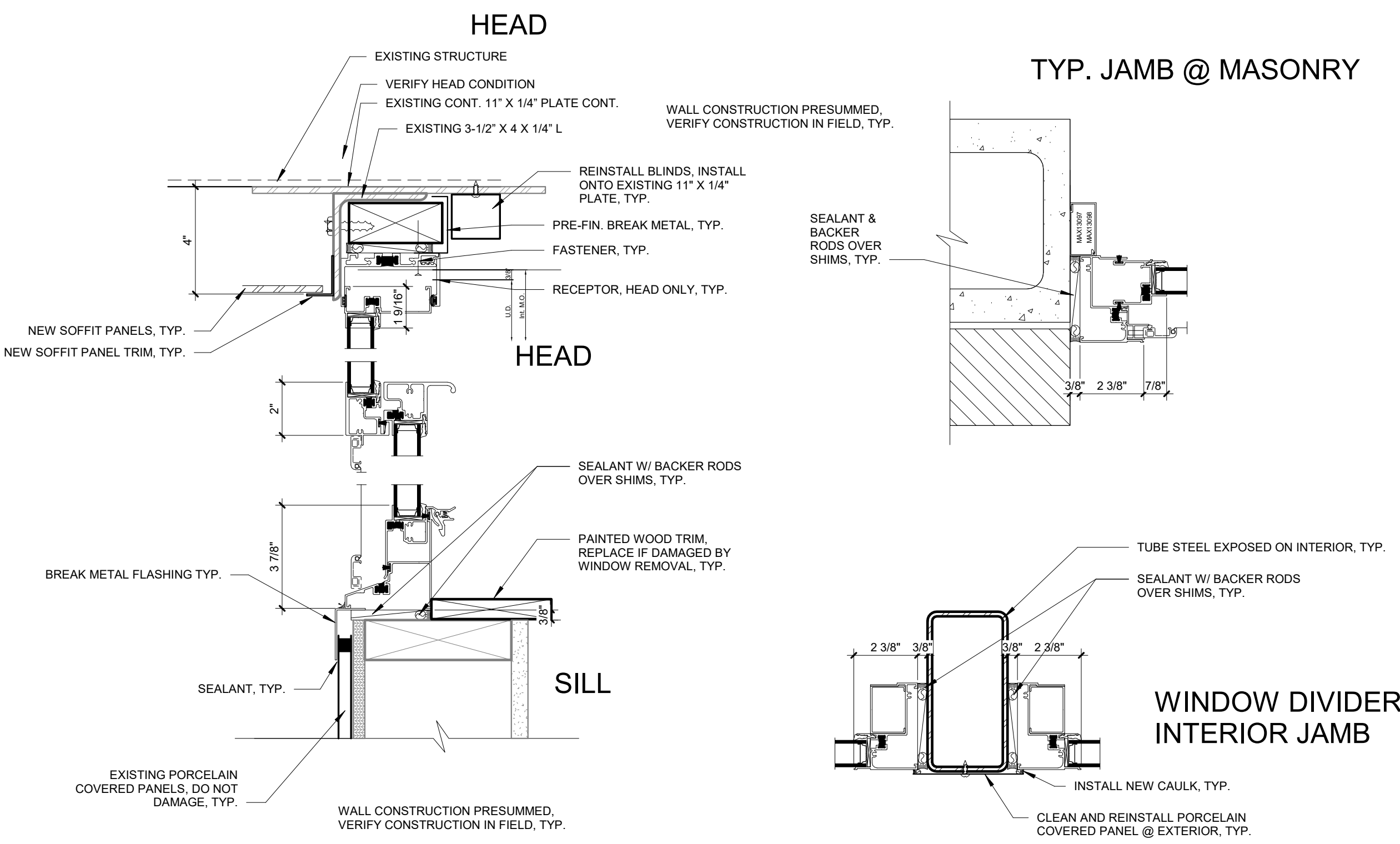
EXISTING CONDITION ABOVE CEILING COULD NOT BE VERIFIED. VERIFY EXISTING HEAD MOUNTING CONDITION AND COORDINATE W/ DESIGNER & OWNER, TYP.



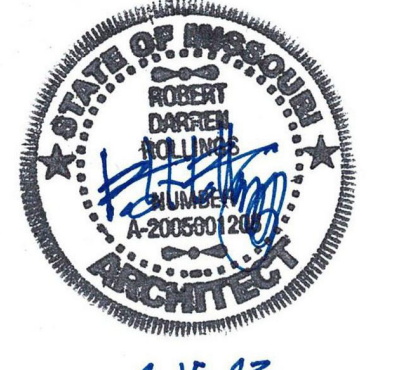
HEAD

SILL

2 WINDOW A, A1, B, B2, C, & D DETAILS
3" = 1'-0"



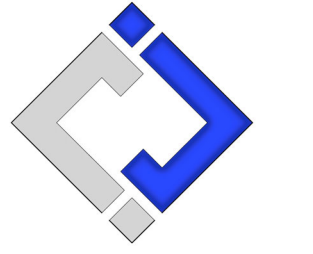
3 WINDOW B1 DETAILS
3" = 1'-0"



Robert D. Rollings 2005001208, Certificate of Authority # A-2006003870



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MOBERLY, MO. 65270

PROJECT # T2208-01
SITE # 6296
ASSET # 8136296002

REVISION: ADDENDUM 1
DATE: 4/11/2023

REVISION:
DATE:

REVISION:
DATE:

ISSUE DATE: 02/15/2023
BID DOCUMENTS

CAD DWG FILE: A-DT-21
DRAWN BY: AMK
CHECKED BY: RDR
DESIGNED BY: AMK

SHEET TITLE:

WINDOW DETAILS

SHEET NUMBER:

A-503

SHEET 21 OF 35