

ADDENDUM NUMBER 1

PROJECT: Replace Roof, Mullen Building
2009-069M21

DATE: 06/29/22

OWNER: Trinidad State College
600 Prospect St
Trinidad, CO 81082

The Drawings, Specifications and Contract Documents on the subject project are modified, corrected, supplemented and/or superseded as hereinafter described.

The following additions, deletions, changes and information shall become a part of and modify all work shown or described in the Drawings and Project Manual.

All bidders shall make necessary adjustments in their bid on account of this addendum. Each and every bidder, subcontractor, and material supplier shall be responsible for reading each item in this addendum to ascertain to what extent and in what manner it affects the work in which they are interested. Each Bidder shall indicate on the Bid Form their acknowledgment of receipt of this addendum document by addendum number and addendum date.

QUESTIONS & ANSWERS

The following answers to questions shall supplement and/or supersede drawing and specification requirements.

1. Q: Please confirm that current roof assembly to be removed.
A: We confirm that existing roof assembly is to be removed per key note 1 on roof demolition plan A1.01. See response to Question 10 below for more information.

2. Q: Detail 11/A9.01 would it be satisfactory to use a field wrap or roof jack in these areas?
A: A roof jack or boot flashing would be acceptable if approved by submitted roof manufacturer for single penetrating item locations only. If there are multiple penetrants, then the sealant pan is required.

3. Q: Can you confirm that the only ACM containing area is that of the flashings of what is called a parapet wall at the expansion joint? This would be reflected by the green line in the report?
A: Hall Architects can make no representation as to the specific locations of ACM, the report provided by the owner's independent testing agency has been made available for your use. Our interpretation of the report is stated below, but it is the contractor's responsibility to come to their own conclusions on this matter.

The plan on page 3 of the LTS Resource report only indicates where specific samples were taken during the ACM testing process. Per the table on page 2 of the LTS report, perimeter parapet areas marked 7 & 8 tested positive for ACM and Contractor should assume that all parapets match this condition and where the "Weathered gray/black tar" is present. The green line of the expansion joint on the page 3 plan corresponds to note 11 on the page 2 table which indicates that no ACM was discovered.

4. Q: Detail 3/A9.01 indicates a vapor barrier and substrate board installed. The specs mention nothing of it. Which is true?
A: Vapor barrier is considered an auxiliary material per the submitted roof manufacturer's roofing system. Bidders shall assume that a vapor barrier is required to be provided per detail 3/A9.01 and that any existing vapor barrier in place will be too damaged during tear-off for re-use. Specification section 075323 has been clarified.
5. Q: Alternate # 1 the removal of the exhaust asks for patching the deck, it was mentioned at the meeting that plywood could be used, instead of the 1 x 8 T & G. Can you provide the correct method and materials for this.
A: 3/4" CDX plywood is acceptable to be used instead of 1 X 8 T&G for patching roof deck. New decking may be installed on top of existing decking but should extend to joists. If joists are found to be spaced greater than 24 inches, then supplemental blocking will be required to support the deck material. Regardless of patching material used, patch shall span to adjacent roof joists per key note 14 on sheet A1.01 and shall extend a minimum of 12 inches from the edge of existing hole in decking in direction parallel to joists.
6. Q: Alternate # 2, can you confirm that it is one (1) lower roof that will need to be replaced? Second roof on East side does not exist
A: The eastern lower roof has been removed from the project. See the attached sheets A1.01 & A1.02 revised 6/29/22.
7. Q: What is the address that the bids need to be delivered to for a time stamp?
A: Per the Advertisement for Bids, the address is: 600 Prospect St., Berg Building, Room 109.
8. Q: Alternate 1 is for the removal of the attic ventilators. Is the decking to be replaced with the tongue and groove (size?) or is plywood to be acceptable?
A: See response to question #5 above.
9. Q: Alternate 2 is for roofing at the lower roofs. There was talk of removing the one on the east side of the building (not currently roofed) is that still the case?
A: See response to question #6 above.
10. Q: What is the existing roofing system composition and thickness?
A: The existing system is a built-up bituminous roof with aggregate surfacing (quantity of plies unknown) with approximately 3 to 3-1/2 inches of rigid insulation and/or (coverboard and possibly substrate board) material above the existing structural wood deck.

11. Q: If the new thickness is to be greater than 1-1.5" from the existing roof system, mechanical curbs may need to be raised. Does the school have a mechanical contractor that would do that, or would we have to coordinate that with the school?
A: Rooftop mechanical equipment was replaced in 2016 in anticipation of this roof replacement project. No mechanical curbs are anticipated to be required to be raised, however the curb of the existing roof hatch is to be modified per detail 9/A9.01. The Contractor shall select and submit roofing products from a manufacturer who will accept current equipment curb configurations and develop acceptable flashing techniques within these curb conditions, otherwise the contractor is obligated to raise equipment as may be required by their roofing manufacturer, and at contractor's cost.
12. Q: The roofs appear to be structurally sloped, are the crickets as well or are we to provide cricketing with Polyiso?
A: Small cricket slopes for mechanical curbs, roof hatch, etc. are to be achieved with sloped polyiso. The main slopes to the primary drainage conductor heads are achieved with structural slope.
13. Q: Are the collector heads and downspouts to be replaced at the scuppers or are they to remain?
A: The conductor heads and downspouts are existing to remain per key note 19 on sheet A1.01.
14. Q: Please confirm that the asbestos is only to be found in the wall flashings and not the entire roof.
A: See response to question #3 above.
15. Q: What is the new detail for the parapet with the mortar?
A: See attached revised details SK-1, SK-2, SK-3 & SK-4. They replace details 2/A9.01 and 5/A9.01
16. Q: What taxes are to be included on this project?
A: The Contractor will be exempt from State taxes and will be provided with the Owner's tax exemption number; federal and local taxes still apply and must be tracked and reported to the owner at project completion so the college may seek reimbursement.
17. Q: Is the project prevailing wage?
A: The estimated cost of construction does not exceed \$500,000 and prevailing wages do not apply per the Advertisement for Bids.
18. Q: Will the school be adjusting security camera and any cable trays that will be moved for proper realignment?
A: See Sheet 1.01 keynotes 7, 8, 18 & 32 for description of work related to the aforementioned items.
19. Q: Is contractor licensing required at time of bid or for the project at all to work in the city of Trinidad?
A: No permit is required from the local building department, however it is the contractor's responsibility to ascertain and meet any licensing requirements that may be necessary to work within the Trinidad city limits. The project does

have Minimum Requirements stated for the Contractor, see the Advertisement for Bids.

20. Q: Is permit required?

A: The State's Code Consultant's "Compliance Notice" functions as a "permit" for this State of Colorado project, and it has already been issued. The Owner will provide the awarded Contractor with a Building Inspection Record that must be posted at the job site and inspections shall be documented and signed by the inspectors.

21. Q: Are there to be any unit costs for any damaged decking or wood blocking?

A: Per specification section 01 22 00, there is a unit price for damaged wood blocking that bidders are required to submit. No other unit costs are being solicited.

22. Q: At the pilasters (4 on north side of building), the drawn blocking will be very difficult with the incongruencies of the inside of those. This appears to be a structural liability for the roofers to frame that out with the possibility of that blocking to fall apart. Is there any other way to go about framing this or making it watertight?

A: The wood framing is intended to stabilize the existing stone parapets in addition to making them weathertight. Existing irregularities in the surface of the stone may be accommodated through shimming or grout in order to provide a stabilized installation of new framing. This scope of work now considered Additive Alternate #3. The details have been modified some to raise wood framing slightly above the height of the pilasters to establish a sloping platform on which a prefinished metal cap is to be secured. Each of the 4 locations will require some custom framing to accommodate the unique stone configurations. Contractor shall anticipate this extra level of craftsmanship necessary and include it's cost in their bid.

SPECIFICATIONS

23. Clarifications & Revisions: Various specification clarifications and revisions have been indicated in the above "Questions & Answers section. They apply to the specifications as required.

24. Clarifications: Specification Section 07 5323 has been modified per the attached document to clarify the following items:

Vapor Barrier

Elimination of the substrate board requirement

Change to a Class C minimum roofing assembly.

25. Additive Alternate #3 has been newly defined in this Addendum. See item 29 below for a further description. This Alternate is to be referenced in specification section 012300 and is included on the attached revised Bid Alternates Form.

DRAWINGS

26. Clarifications & Revisions: Various specification clarifications and revisions have been indicated in the above "Questions & Answers section. They apply to drawings as required.
27. Revisions: The following attached drawing sheets dated 06/29/22 are to replace the previously issued drawings. The changes have been identified / clouded:

G0.00, A1.01, A1.02 & A9.01
28. Revisions: Sheet A9.01, detail 2/A9.01 is to be replaced with attached drawings SK-1 & SK-2. Detail 5/A9.01 is to be replaced with attached drawings SK-3 & SK-4. (These changes have not been identified on the revised A9.01 sheet.) These SK drawings are representative of the range of parapet conditions and all similar conditions shall apply the principles of these details.
29. Additive Alternate #3 has been newly defined in this Addendum. It shall include the structural bracing and roofing work associated with the four masonry pilasters on the north side of the building. These have been identified on sheets A1.01, A1.02 & A9.01.

END OF ADDENDUM NUMBER 1

Attachments: As described above

SECTION 075323 – EPDM MEMBRANE ROOFING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes adhered EPDM membrane roofing system
- B. Roof Insulation System
- C. Walk Pads

1.2 SUBMITTALS

- A. Product Data: For each product indicated.
- B. Shop Drawings: Include details, and attachments to other Work.
- C. Maintenance data.
- D. Sample Warranty
- E. Close-out: Completed Warranty

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's warranty.
- B. Source Limitations: Obtain components for membrane roofing system approved by roofing membrane manufacturer.
- C. Fire-Test-Response Characteristics: Provide membrane roofing materials with the fire-test-response characteristics indicated as determined by testing identical products per test method below by UL, FMG, or another testing and inspecting agency acceptable to authorities having jurisdiction.
 - 1. Exterior Fire-Test Exposure: **Class C**; ASTM E 108, for application and roof slopes indicated. Identify products with appropriate markings of applicable testing agency.
- D. Preinstallation Roofing Conference: Conduct a conference at the project site.

1.4 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.
- B. Area Limitations: Only remove existing roofing to the extent that the same area can be re-roofed and made weather resistant prior the end of the days of work.

1.5 PERFORMANCE REQUIREMENTS

- A. Roofing System Design: Provide a 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 7-16.

1. Field-of-Roof Uplift Pressure: 75.8 lbf/sq ft
2. Perimeter Uplift Pressure: 99.9 lbf/sq ft
3. Corner Uplift Pressure: 136.2 lbf/sq ft

1.6 WARRANTY

- A. Special Warranty: Manufacturer's standard form, in which manufacturer agrees to repair or replace components of membrane roofing system that fail in materials or workmanship within specified warranty period. Failure includes roof leaks.
1. Warranty Period: 20 years from date of Substantial Completion.
 2. Windspeed: The warranty shall include windspeeds up to 90 m.p.h. (Not the standard 55 m.p.h. language)

PART 2 - PRODUCTS

2.1 EPDM ROOFING MEMBRANE

- A. EPDM Roofing Membrane: ASTM D 4637, Type I, nonreinforced uniform, flexible sheet made from EPDM, and as follows:
1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the manufacturers specified.
 2. Manufacturers: Subject to compliance with requirements, provide products by the manufacturers specified.
 - a. Johns Manville International, Inc.
 - b. Firestone Building Products Company.
 - c. GenFlex Roofing Systems.
 - d. Carlisle SynTec Incorporated.
 - e. Versico Roofing Systems.
 3. Thickness: 60 mils, nominal.
 4. Exposed Face Color: black

2.2 AUXILIARY MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with membrane roofing.
- B. Sheet Flashing: 60-mil-thick EPDM, partially cured or cured, according to application.
- C. Bonding Adhesive: Manufacturer's standard bonding adhesive.
- D. Seaming Material: Single-component butyl splicing adhesive and splice cleaner.
- E. Fasteners: Factory-coated steel fasteners and metal or plastic plates meeting corrosion-resistance provisions in FMG 4470, designed for fastening membrane to substrate, and acceptable to membrane roofing system manufacturer.

- F. Miscellaneous Accessories: Provide lap sealant, water cutoff mastic, metal termination bars, metal battens, pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, in-seam sealants, termination reglets, cover strips, and other accessories.

2.3 ROOF INSULATION

- A. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, felt or glass-fiber mat facer on both major surfaces. Provide a minimum R-Value of 30 above roof deck in accordance with 2018 IECC.
- B. Tapered Insulation: Provide factory-tapered insulation boards fabricated to slope of 1/2 inch per 12 inches (1:24), unless otherwise indicated.
- 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. Fasteners: Factory-coated steel fasteners and metal or plastic plates meeting corrosion-resistance provisions in FMG 4470, designed for fastening roof insulation to substrate, and acceptable to roofing system manufacturer.
- B. Cold Fluid-Applied Adhesive: Manufacturer's standard cold fluid-applied adhesive formulated to adhere roof insulation to substrate.
- C. Cover Board: ASTM C 208, Type II, Grade 2, cellulosic-fiber insulation board, 1/2 inch thick.

2.5 WALKWAYS

- A. Flexible Walkways: Factory-formed, nonporous, heavy-duty, solid-rubber, slip-resisting, surface-textured walkway pads approximately 3/16 inch thick, and acceptable to membrane roofing system manufacturer.

2.6 FLANGED BELLOWS-TYPE ROOF EXPANSION JOINTS

- A. Flanged Bellows-Type Roof Expansion Joint: Factory-fabricated, continuous, waterproof joint cover consisting of exposed membrane bellows laminated to flexible, closed-cell support foam, and secured along each edge to 3- to 4-inch- wide metal flange.
 - 1. Source Limitations: Obtain flanged bellows-type roof expansion joints approved by roofing manufacturer and that are part of roofing membrane warranty.
 - 2. Bellows: EPDM or Neoprene flexible membrane, nominal 60 mils min. thick.
 - 3. Flanges: Galvanized steel, 0.022 inch min. thick or Stainless steel, 0.0188 inch min. thick.
 - 4. Corner, Intersection, and Transition Units: Provide factory-fabricated units for corner and joint intersections and horizontal and vertical transitions including those to other building expansion joints.
 - 5. Accessories: Provide splicing units, adhesives, and other components as recommended by roof-expansion-joint manufacturer for complete installation.
 - 6. Secondary Seal: Continuous, waterproof membrane within joint and attached to substrate on sides of joint below the primary bellows assembly.
 - a. Drain-Tube Assemblies: Equip secondary seal with drain tubes and seals to direct collected moisture to drain.

- b. Thermal Insulation: Fill space above secondary seal with manufacturer-approved mineral-fiber blanket or manufacturer's standard, factory-installed mineral-fiber insulation; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively, per ASTM E84.

B. Materials:

1. Galvanized-Steel Sheet: ASTM A653/A653M, hot-dip zinc-coating designation G90.
2. Stainless Steel Sheet: ASTM A240/A240M or ASTM A666, Type 304.
3. EPDM Membrane: ASTM D4637/D4637M, type standard with manufacturer for application.
4. Neoprene Membrane: Neoprene sheet recommended by EPDM manufacturer for resistance to hydrocarbons, non-aromatic solvents, grease, and oil; and as standard with roof-expansion-joint manufacturer for application.

2.7 VAPOR RETARDER

- A. Self-adhered rolled sheet vapor barrier material as recommended by roofing manufacturer.
- B. Primer: As recommended by roofing manufacturer.

PART 3 - EXECUTION

3.1 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 manufacturer's written instructions for installing roof insulation.
- C. Install tapered insulation under area of roofing to conform to slopes indicated.
- D. Install one or more layers of insulation under area of roofing to achieve required thickness. Where overall insulation thickness is two inches or greater, install two or more layers with joints of each succeeding layer staggered from joints of previous layer a minimum of six inches in each direction.
- E. 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 to resist uplift pressure at corners, perimeter, and field of roof.
- F. Mechanically Fastened and Adhered Insulation: Install each layer of insulation and secure first layer of insulation to deck using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to deck type.
 1. Fasten first layer of insulation to resist uplift pressure at corners, perimeter, and field of roof.
 2. Install subsequent layers of insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F of equiviscous temperature.
 3. Install subsequent layers of insulation in a cold fluid-applied adhesive.

- G. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Loosely butt cover boards together and fasten to roof deck.
 - 1. Fasten insulation to resist uplift pressure at corners, perimeter, and field of roof.

3.2 ADHERED ROOFING MEMBRANE INSTALLATION

- A. Install roofing membrane over area to receive roofing according to membrane roofing system manufacturer's written instructions. Unroll roofing membrane and allow to relax before installing.
- B. Accurately align roofing membrane and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- C. Bonding Adhesive: Apply bonding adhesive to substrate and underside of roofing membrane at rate required by manufacturer and allow to partially dry. Do not apply bonding adhesive to splice area of roofing membrane.
- D. Mechanically or adhesively fasten roofing membrane securely at terminations, penetrations, and perimeter of roofing.
- E. Adhesive Seam Installation: Clean both faces of splice areas, apply splicing cement, and firmly roll side and end laps of overlapping roofing membranes according to manufacturer's written instructions to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of roofing membrane terminations.
- F. Tape Seam Installation: Clean and prime both faces of splice areas, apply splice tape, and firmly roll side and end laps of overlapping roofing membranes according to manufacturer's written instructions to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of roofing membrane terminations.
- G. Repair tears, voids, and lapped seams in roofing that does not meet requirements.
- H. Do not apply any sealants, adhesives, paints, coatings, etc. to roof membrane that are not accepted by the roof membrane manufacturer as compatible materials.

3.3 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 bonding adhesive to seam area of flashing.
- C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- D. Clean splice areas, apply splicing cement, and firmly roll side and end laps of overlapping sheets to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of sheet flashing terminations.
- E. Terminate and seal top of sheet flashings.

3.4 WALKWAY INSTALLATION

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

3.5 ROOF EXPANSION JOINT INSTALLATION

- A. Comply with manufacturer's written instructions for handling and installing roof expansion joints.
 - 1. Anchor roof expansion joints securely in place, with provisions for required movement. Use fasteners, protective coatings, sealants, and miscellaneous items as required to complete roof expansion joints.
 - 2. Install roof expansion joints true to line and elevation; and without warping, jogs in alignment, buckling, or tool marks.
 - 3. Provide for linear thermal expansion of roof-expansion-joint materials.
- B. Directional Changes: Install factory-fabricated units at directional changes to provide continuous, uninterrupted, and watertight joints.
- C. Transitions to Other Expansion-Control Joint Assemblies: Coordinate installation of roof expansion joints with other exterior expansion-control joint assemblies specified in Section 079513.16 "Exterior Expansion Joint Cover Assemblies" to result in watertight performance.
- D. Splices: Splice roof expansion joints to provide continuous, uninterrupted, and waterproof joints.
 - 1. Install waterproof splices and prefabricated end dams to prevent leakage of secondary-seal membrane.
- E. Metal Protection: Protect metals against galvanic action by separating dissimilar metals from contact with each other or with corrosive substrates by painting contact surfaces with bituminous coating or by other permanent separation as recommended by manufacturer.

3.6 VAPOR-RETARDER INSTALLATION

- A. Install vapor retarder sheet according to roofing manufacturer's written instructions. Prepare substrate with primer if required by roofing manufacturer.
- B. Laps: Accurately align roofing membrane sheets, without stretching, and maintain uniform side and end laps. Stagger end laps. Completely bond and seal laps, leaving no voids.
 - 1. Repair tears and voids in laps and lapped seams not completely sealed.
- C. Completely seal vapor retarder at terminations, obstructions, and penetrations to prevent air movement into membrane roofing system.

3.6 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified independent testing and inspecting agency to perform roof tests and inspections and to prepare test reports.
- B. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion and submit report to Architect.
- C. Repair or remove and replace components of membrane roofing system where test results or inspections indicate that they do not comply with specified requirements.

END OF SECTION 075323

TRINIDAD STATE COLLEGE REPLACE ROOF, MULLEN BUILDING

BID/CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 2009-069M21

June 10, 2022

GENERAL NOTES

- THE FOLLOWING GENERAL NOTES APPLY TO THE ENTIRE SET OF DRAWINGS AND ARE NOT SPECIFIC TO ANY ONE DISCIPLINE. THESE NOTES SUPPLEMENT THE SPECIFICATIONS.
- ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH CURRENT FEDERAL, STATE, AND LOCAL CODES.
- THE CONSTRUCTION, REMODEL OR DEMOLITION OF A BUILDING SHALL COMPLY WITH IFC CHAPTER 14 AND NFPA 241.
- THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS, UNLESS OTHERWISE SPECIFIED IN THESE DOCUMENTS, AND COORDINATE AND SCHEDULE ALL REQUIRED INSPECTIONS AND TESTS.
- THE GENERAL CONTRACTOR SHALL MAINTAIN THROUGHOUT THE PROJECT A CERTIFICATE OF INSURANCE FOR ALL LIABILITIES, WITH A HOLD HARMLESS FOR THE OWNER AND ARCHITECT.
- REQUIREMENTS INDICATED IN THE PROJECT MANUAL ARE AN INTEGRAL PART OF THESE DOCUMENTS. DRAWINGS, SPECIFICATIONS, AND NOTES ARE COMPLEMENTARY AS ARE THE DRAWINGS OF EACH DISCIPLINE. NO DRAWING IN THIS SET IS TO BE USED INDIVIDUALLY. ALL LABOR AND MATERIALS REQUIRED TO FULLY CARRY OUT THE INTENTIONS OF THE CONTRACT DOCUMENTS ARE PART OF THIS CONTRACT, WHETHER OR NOT SPECIFICALLY NOTED.
- THE DRAWINGS INDICATE EXISTING CONDITIONS AND BUILDING DATA THAT ARE BELIEVED TO BE RELIABLE; HOWEVER THE ARCHITECT DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS AS THEY ARE PARTIALLY BASED ON LIMITED ACCESS TO THE SITE/BUILDING. ALL CONTRACTORS SHALL FIELD VERIFY CONDITIONS WHICH MAY AFFECT THEIR WORK.
- DO NOT SCALE DRAWINGS. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTACT ARCHITECT FOR CLARIFICATION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THE WORK. NOTIFY THE ARCHITECT OF DISCREPANCIES FOR CLARIFICATION / DIRECTION PRIOR TO STARTING THE WORK.
- ALL CONFLICTS OR NON-CODE COMPLIANT ITEMS DEPICTED IN PLANS OR EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION. DO NOT PROCEED WITH WORK ON THE ITEM UNTIL CLARIFICATION / DIRECTIVE IS RECEIVED FROM THE ARCHITECT OR ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ON-SITE COORDINATION WITH OWNER REGARDING: PROJECT PHASING, SITE ACCESS, TEMPORARY UTILITIES AND FACILITIES REQUIRED TO MAINTAIN OWNER OCCUPANCY IN CERTAIN PORTIONS OF THE BUILDING DURING CONSTRUCTION. TEMPORARY BARRICADES AND/OR RATED ENCLOSURES MAY BE REQUIRED FOR PROJECT PHASING.
- CONTRACTOR SHALL COORDINATE ANY DISRUPTION IN THE UTILITY SERVICE WITH OWNER, NOT LESS THAN 72 HOURS PRIOR TO DISRUPTION, OR AS SPECIFIED.
- UNLESS OTHERWISE NOTED, ALL MATERIALS WORKMANSHIP AND EQUIPMENT SHALL BE WARRANTED FOR ONE YEAR AFTER NOTICE OF SUBSTANTIAL COMPLETION. PROVIDE TYPEWRITTEN OPERATING INSTRUCTIONS, AND EQUIPMENT WARRANTIES. ALL MATERIALS USED FOR THIS PROJECT SHALL BE NEW AND BEAR THE UL LABEL WHERE SUCH SERVICE AND LABEL ARE REGULARLY PROVIDED AND BE OF THE APPROPRIATE NEMA STANDARDS. REFER TO SPECIFICATIONS FOR INDIVIDUAL WARRANTY REQUIREMENTS.
- THE CONTRACTOR SHALL MAINTAIN A CURRENT/UPDATED SET OF RECORD DRAWINGS ON SITE AT ALL TIMES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY, INCLUDING BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, BARRIERS, FALL PROTECTION, AND OSHA REGULATIONS.
- ALL SUBCONTRACTORS SHALL VISIT THE JOB SITE WITHIN 24 HOURS PRIOR TO COMMENCING WORK. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING RELATED TRADES SUBSURFACE PREPARATION AND SHALL REPORT ANY NON-CONFORMING DISCREPANCY TO THE GENERAL CONTRACTOR. EXECUTION OF WORK BY ANY SUBCONTRACTOR INDICATES ACCEPTANCE OF PREVIOUS TRADE'S WORK.
- THE CONTRACTOR IS RESPONSIBLE TO COORDINATE AND PERFORM THE TEMPORARY OR PERMANENT RELOCATION OF ALL ELECTRICAL, RACEWAYS WIRING, PIPING, MECHANICAL DEVICES AND EQUIPMENT AND SIMILAR SUCH ITEMS TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK UNDER THIS CONTRACT.
- PLUMBING, MECHANICAL AND ELECTRICAL PENETRATIONS IN RATED ASSEMBLIES SHALL COMPLY WITH CHAPTER 7 OF THE IBC.
- PROVIDE ACCESS PANELS WHERE NECESSARY TO PROVIDE ACCESS TO FIRE AND/OR SMOKE DAMPERS, ELECTRICAL BOXES AND EQUIPMENT, PUMPS, VALVES, ETC. WHERE SUCH PANELS ARE IN A RATED ASSEMBLY, IT SHALL BE OF THE SAME RATING AS THAT ASSEMBLY. COORDINATE WITH MECHANICAL AND ELECTRICAL FOR ADDITIONAL ACCESS PANELS THAT MAY BE REQUIRED BUT NOT SPECIFICALLY NOTED ON ARCHITECTURAL PLANS.

ARCHITECTURAL SYMBOL LEGEND

	KEYNOTE REFERENCE NEW WORK		ROOM IDENTIFICATION
	KEYNOTE REFERENCE DEMOLITION WORK		WALL TYPE INDICATOR
	WINDOW TYPE		ADDENDA REVISION
	EQUIPMENT INDICATOR		DRAWING REVISION
	TOILET ACCESSORY INDICATOR		
	ELEVATION REFERENCE: MULTI VIEW		ENLARGED PLAN / DETAIL REFERENCE
	ELEVATION REFERENCE: SINGLE VIEW		SECTION REFERENCE
	DETAIL REFERENCE		GRID LINES
	ELEVATION		

DIRECTORY

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PROJECT SCOPE OF WORK

PROJECT CONSISTS OF REMOVAL OF EXISTING BUILT-UP ROOF SYSTEM AND REPLACEMENT WITH NEW (EPDM) ROOF SYSTEM. THE PROJECT AFFECTS TRIMS, FLASHINGS, ANCILLARY MECHANICAL & ELECTRICAL ITEMS, AS WELL AS SOME STRUCTURAL REPAIR OF PARAPETS.

THE FOLLOWING ARE CONSIDERED ADDITIVE ALTERNATES, SEE PROJECT MANUAL FOR FURTHER INFORMATION.

ADDITIVE ALTERNATE #1: REMOVE ATTIC VENTILATORS AND REPAIR ROOF DECK AS INDICATED ON SHEET A1.01, KEY NOTE 14.

ADDITIVE ALTERNATE #2: REPLACE ROOFING AT LOWER ROOFS AS INDICATED ON SHEET A1.01, KEY NOTE 35.

ADDITIVE ALTERNATE #3: STRUCTURAL REPAIR AND WEATHERPROOFING OF EXISTING STONE PILASTER CAPS

PROJECT CODE SUMMARY

APPLICABLE CODES: 2018 IBC, IEBC, IECC, IFC, IFGC, IMC, AND IPC
2020 NEC
2009 ICC/ANSI A117.1

FIRE DEPARTMENT AHJ: TRINIDAD FIRE DEPARTMENT

DATE OF ORIGINAL CONSTRUCTION: 1946

OCCUPANCY TYPE: B, NON-SEPARATED (VOCATIONAL CLASSROOMS, LABS, OFFICES)

CONSTRUCTION TYPE: III-B, FULLY FIRE SPRINKLER PROTECTED

BUILDING AREAS:
1ST FLOOR 8,399 SF
2ND FLOOR 9,751 SF
3RD FLOOR 9,776 SF
4TH FLOOR 9,776 SF
TOTAL 37,692 SF

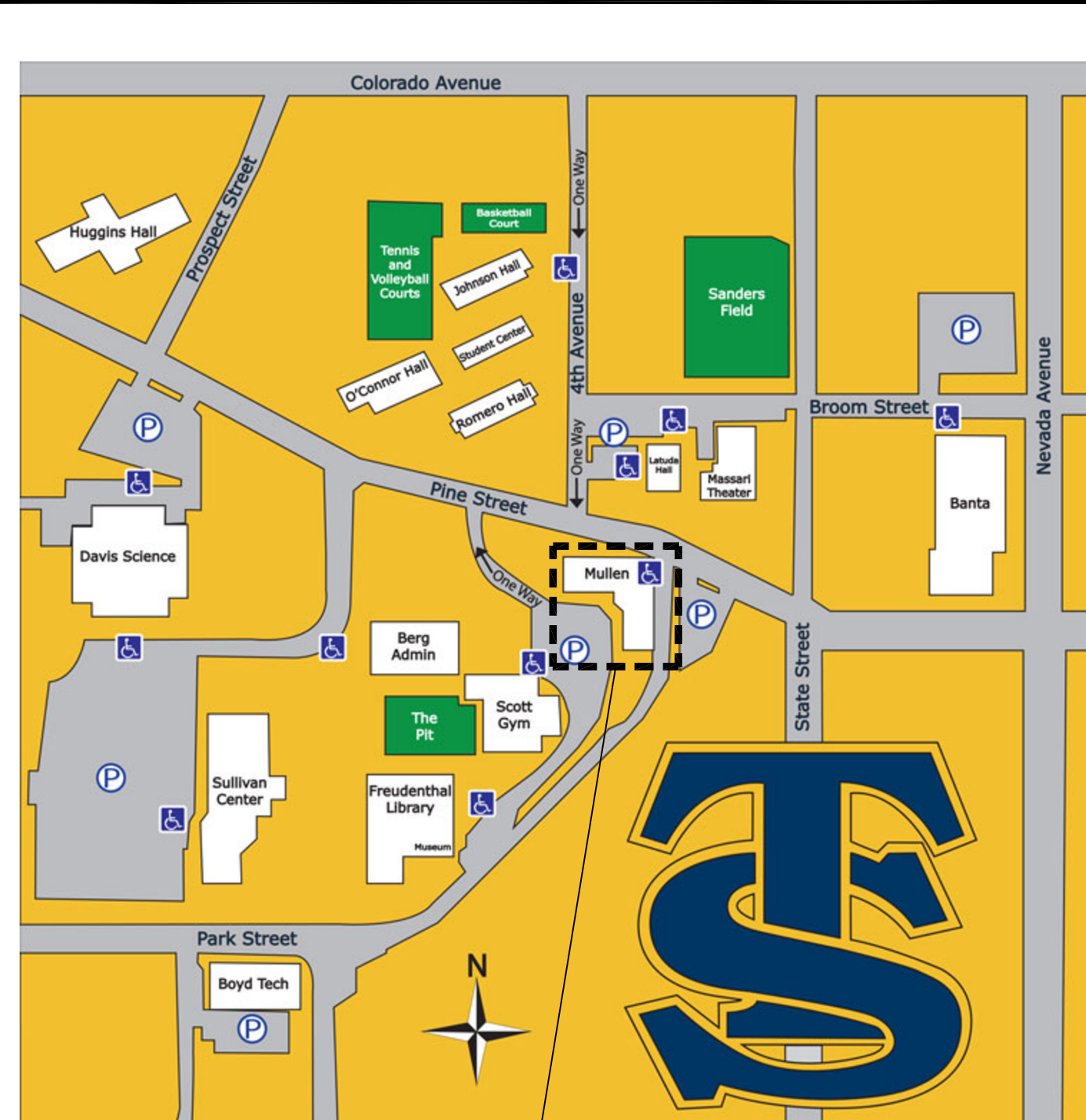
AREA OF ROOF REPLACEMENT: APPROXIMATELY 9,300 SF

DRAWING INDEX

GENERAL
GO.00 TITLE, DIRECTORY, DRAWING INDEX, CODE SUMMARY, VICINITY MAP, GENERAL NOTES, ABBREVIATIONS, AND ARCHITECTURAL SYMBOL LEGEND

ARCHITECTURAL DRAWINGS
A1.01 DEMOLITION ROOF PLAN
A1.02 ROOF PLAN
A9.01 ROOF DETAILS

VICINITY MAP



TRINIDAD STATE COLLEGE:
600 PROSPECT STREET
TRINIDAD, COLORADO 81082

NORTH
NO SCALE



HALL ARCHITECTS
1935 DOMINION WAY, SUITE 202
COLORADO SPRINGS, CO 80918
PHONE: (719) 277-7300
© 2021 HALL ARCHITECTS

REPLACE ROOF, MULLEN BUILDING
TRINIDAD STATE COLLEGE
600 PROSPECT STREET
TRINIDAD, CO 81082

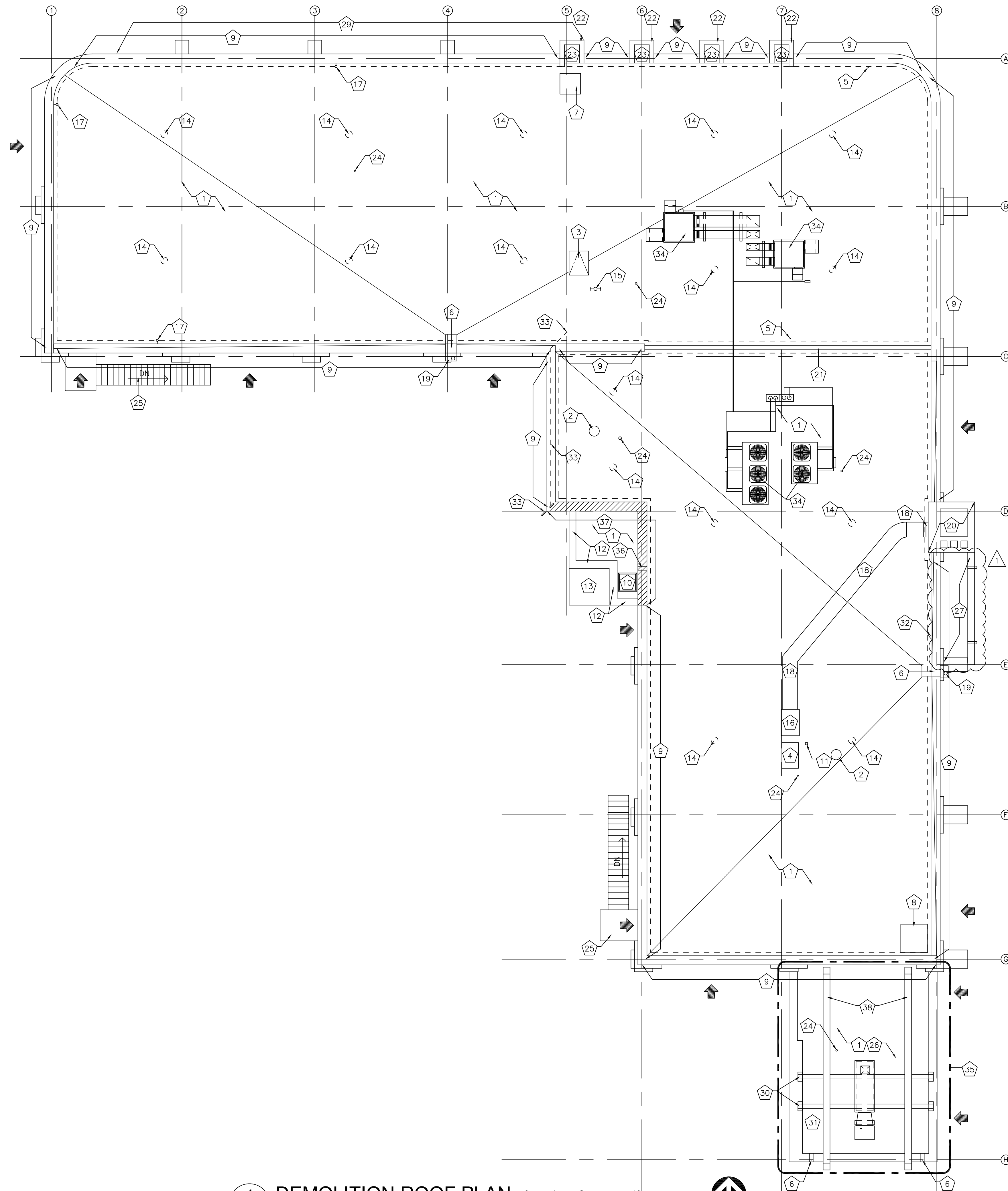
SHEET TITLE:
TITLE SHEET AND PROJECT INFORMATION

DATE: 06/10/2022
REV: ADDENDUM #1
6/29/2022

SHEET NO.:
GO.00

S:\Trinidad State Junior College\Trinidad Campus\Mullen Bldg Re-roof 2022\T.S.C Mullen Bldg - plans.dwg Jun 29, 2022 4:26pm

S:\Trinidad State Junior College\Trinidad Campus\Mullen Bldg Re-roof 2022\T.S.C Mullen Bldg - plans.dwg Jun 29, 2022 - 4:28pm



1 DEMOLITION ROOF PLAN
A1.01 SCALE: 1/8" = 1'-0"



DEMOLITION ROOF PLAN GENERAL NOTES:

1. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEMOLITION/CONSTRUCTION WASTE.
2. DURING CONSTRUCTION, CONTRACTOR SHALL PROTECT ALL EXISTING ELEMENTS TO REMAIN.
3. FOR ALL SALVAGED ITEMS TO BE REUSED, CONTRACTOR SHALL THOROUGHLY CLEAN AND PREPARE FOR NEW FINISH IF SCHEDULED.
4. UNLESS OTHERWISE NOTED, EXISTING FIXTURES AND EQUIPMENT NOTED TO BE REMOVED IS TO BE SALVAGED TO THE OWNER.
5. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DAMAGE TO THE EXISTING WOOD ROOF DECK DISCOVERED DURING DEMOLITION.
6. EXISTING CELL TOWER EQUIPMENT IS TO BE TEMPORARILY SUPPORTED AS NECESSARY TO ACCOMMODATE ROOF WORK; CONTRACTOR TO COORDINATE WORK REQUIREMENTS W/SERVICE PROVIDER.

KEY NOTES:

- 1 (E) GRAVEL-COVERED BUILT-UP ROOFING, PROTECTION BOARD, AND RIGID INSULATION TO BE REMOVED DOWN TO TOP OF STRUCTURAL DECK; PREPARE DECK FOR (N) ROOF SYSTEM AS REQUIRED BY MFR. AND DESCRIBED ON SHEET A1.02; (TYP.)
- 2 (E) VENT/DUCT TO REMAIN; PREPARE TO FLASH PER 12/A9.01; (TYP.)
- 3 (E) ROOF HATCH TO BE REINSTALLED; RAISE AS REQ'D PER DETAIL 9/A9.01 AND PREPARE FOR REPAINTING
- 4 (E) CELL PROVIDER MECH. ROOFTOP UNIT TO REMAIN; COORDINATE ALL CELL PROVIDER ITEMS W/PROVIDER: T-MOBILE, CHRIS STRYKER, (303) 859-0344
- 5 (E) ELEC. CONDUIT ROOF PENETRATION TO REMAIN; PROTECT EXPOSED CABLES WHERE OCCURS
- 6 (E) ROOF DRAIN SCUPPER OPENING TO REMAIN (APPROX. 20"W X 6"H); CLEAR ANY OBSTRUCTIONS FROM OPENING AND REPAIR/REPLACE FLASHINGS & SEALANT AS NECESSARY; SEE A1.02 FOR NEW SUMP REQTS.
- 7 (E) SKID-MTD WEATHER STATION AND BASE ASSEMBLY; THIS ITEM CAN BE TEMPORARILY DECOMMISSIONED DURING CONSTRUCTION; CONTRACTOR SHALL COORDINATE TIME FRAME & RELATED WORK W/OWNER.
- 8 (E) SKID-MTD SECURITY CAMERA AND BASE ASSEMBLY; THIS ITEM CAN BE TEMPORARILY DECOMMISSIONED DURING CONSTRUCTION; CONTRACTOR SHALL COORDINATE TIME FRAME & RELATED WORK W/OWNER
- 9 REMOVE (E) PARAPET CONC. CAP FLASHING; REMOVE ANY LOOSE GROUT BENEATH, RE-GROUT AS NECESSARY, AND PREPARE FOR (N) PARAPET COPING; SEE 1/A9.01; (TYP.)
- 10 (E) MECH. EXHAUST FAN/VENT TO REMAIN
- 11 (E) PITCH PAN TO BE REMOVED; PROTECT PENETRATING ELEMENT AND PREPARE FOR (N) ROOF PENETRATION DETAIL; SEE 11/A9.01; (TYP.)
- 12 REMOVE (E) PARAPET S.M. COPING & PREPARE SUBSTRATE FOR (N) COPING
- 13 (E) SKYLIGHT BELOW TO REMAIN; EXAMINE (E) SEALANT FOR SIGNS OF CRACKING/FAILURE AND INSTALL (N) SEALANT AS REQ'D; PROTECT FROM DAMAGE DURING PROJECT.
- 14 BASE BID; (E) ATTIC VENTILATOR TO REMAIN.
ADD ALT #1; (E) ATTIC VENTILATOR TO BE REMOVED; PATCH AND REPAIR (E) 1X8 1X6 ROOF DECK TO CREATE FLUSH CONDITION AT T.O. ROOF DECK; ATTACH DECK PATCHES TO (E) ADJ. ROOF JOISTS PER IBC T-2304.10.1.
- 15 (E) FIRE STANDPIPE CONNECTION TO REMAIN
- 16 (E) CELL PROVIDER ELECTRICAL HOUSING AND ROOF PENETRATION TO REMAIN
- 17 (E) EYEBOLT ANCHOR IN PARAPET WALL TO REMAIN
- 18 (E) CELL-PROVIDER BALLASTED CABLE TRAY AND GRATING TO REMAIN; CONTRACTOR SHALL TEMPORARILY LIFT & SUPPORT THE CABLE TRAY, WHICH SHALL REMAIN OPERATIONAL DURING DEMO. & RE-ROOFING ACTIVITIES
- 19 (E) CONDUCTOR HEAD AND DOWNSPOUT TO REMAIN; REATTACH ANY LOOSE SUPPORT STRAPS TO (E) WALL AND SEAL AS REQUIRED
- 20 (E) BRICK MASONRY CHIMNEY AND CELL PHONE EQUIPMENT TO REMAIN
- 21 (E) EXPANSION JOINT TO BE REMOVED; PREPARE FOR NEW WORK
- 22 (E) STONE TURRET WALLS TO REMAIN; PREPARE FOR REPAIR AND STRUCTURAL REINFORCEMENT (ADDITIVE ALTERNATE #3)
- 23 REMOVE (E) LOOSE CONC./MORTAR INSIDE (E) PILASTER PARAPET AND PREPARE FOR (N) ROOFING (ADDITIVE ALTERNATE #3)
- 24 (E) PLUMBING VENT TO REMAIN; EXTEND PIPING TO BE A MINIMUM OF 12" ABOVE (N) ROOFING SURFACE; REPLACE FLASHING AS NECESSARY TO MEET ROOF MFR'S REQUIREMENTS.
- 25 (E) EXTERIOR STAIRWAY BELOW SHOWN FOR REFERENCE; PROTECT AREA DURING WORK OCCURRING OVERHEAD
- 26 LOWER LEVEL ROOF ABOVE BLUEING ROOM
- 27 LOWER LEVEL ROOF ABOVE BOILER ROOM; NO WORK IN THIS AREA
- 28 NOT USED
- 29 REMOVE (E) IVY FROM EXTERIOR WALLS AND PARAPET AS REQUIRED FOR PERFORMANCE OF ROOF REPLACEMENT
- 30 (E) STRUCTURAL STEEL; PREPARE AS REQ'D FOR FALL-PROTECTION ANCHOR ATTACHMENT
- 31 (E) ROOFING IN THIS AREA HAS SIGNIFICANT SLOPE VARIATION TO THE SCUPPER; CONTRACTOR SHALL DOCUMENT & RECREATE THIS SLOPE W/(N) ROOFING/INSULATION INSTALLATION.
- 32 (E) WALL-MTD SECURITY CAMERA TO REMAIN IN OPERATION PROTECT LOOSE CABLING & DEVICE DURING DEMO. & RE-ROOF.
- 33 (E) ELEC. CONDUIT & ABANDONED CAMERA SUPPORT TO BE REMOVED TO BELOW ROOF AT NEAREST J-BOX.
- 34 (E) MECH. EQPT. TO REMAIN; CONTRACTOR TO DETERMINE METHOD FOR INSTALLING (N) CURB FLASHING PER ROOFING MFR'S REQTS AND IF EQPT MUST BE LIFTED, IT SHALL BE DONE AT CONTRACTOR'S EXPENSE.
- 35 WORK IN THIS AREA IS ADD ALT #2
- 36 CONTRACTOR SHALL ENLARGE SCUPPER OPNG TO MEET CODE MIN HEIGHT ROOF OF 4", ADJUSTED AS NECESSARY FOR (N) ROOFING ELEVATION.
- 37 REMOVE CAP SHEET COVERING @ PARAPET; REPAIR SIM. TO KEY NOTE 9.
- 38 (E) SHT MTL ENCLOSURES TO REMAIN

LEGEND:

- ➔ BUILDING ENTRY/EGRESS POINT - MAINTAIN OWNER/PUBLIC ACCESS AT ALL TIMES UNLESS SPECIFICALLY APPROVED BY OWNER IN ADVANCE ON A SCHEDULED BASIS. IF WORK IS TEMPORARILY OCCURRING DIRECTLY ABOVE THESE POINTS (E.G.: LIFTING UP MATERIALS, LIFTING DOWN DEBRIS, ETC.) AREAS MAY BE TEMPORARILY BARRICADED OFF AS PERMITTED BY A.H.J. AND COORDINATED WITH OWNER, OR ALTERNATIVELY AT CONTRACTOR'S OPTION, TEMPORARY COVERED WALKWAYS IN CONFORMANCE WITH IBC 3306 MAY BE ERECTED TO MAINTAIN PEDESTRIAN USE DURING WORK.

HALL ARCHITECTS

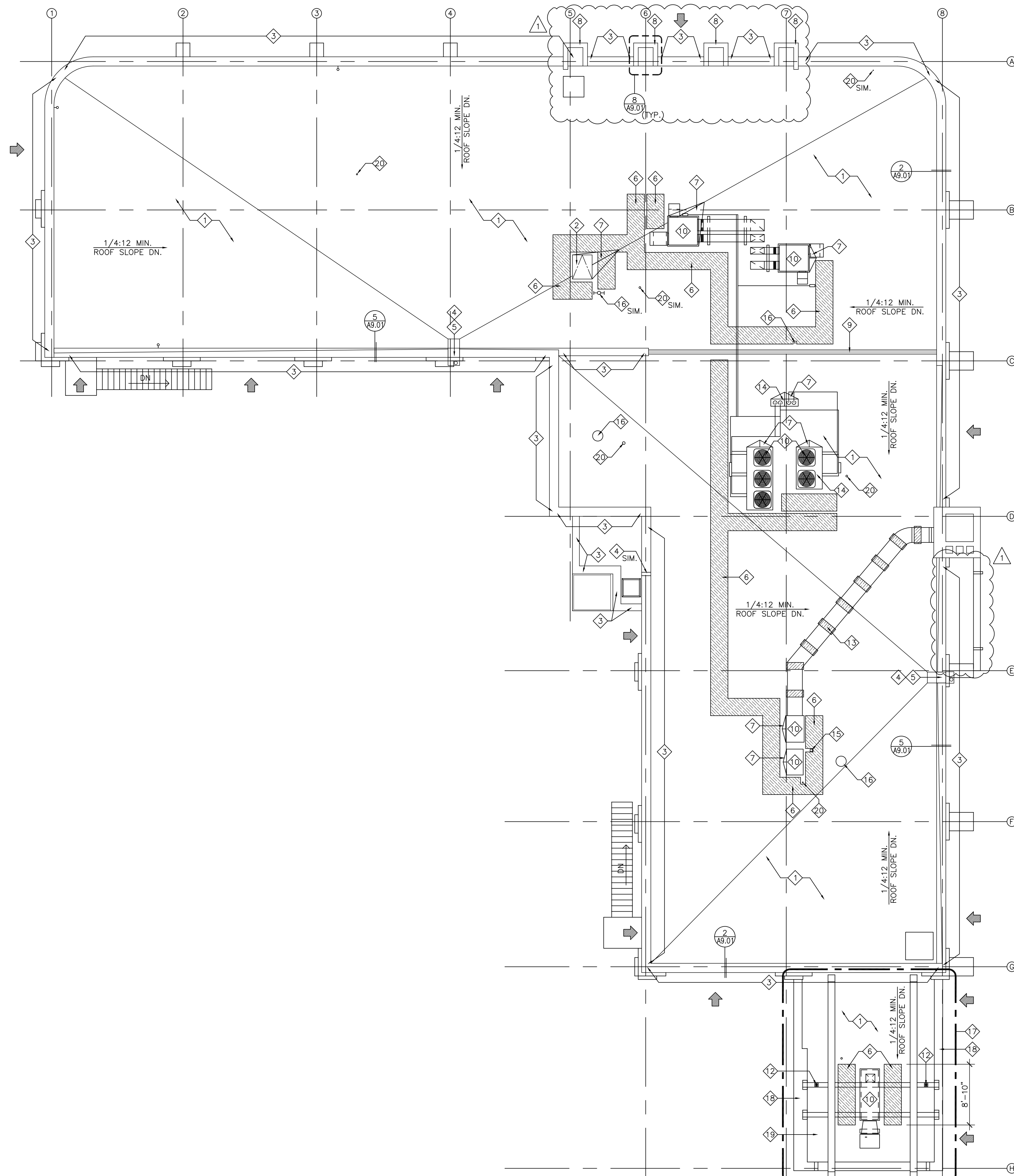
1936 DOMINION WAY, SUITE 202
COLORADO SPRINGS, CO 80918
PHONE: (719) 277-7300
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**REPLACE ROOF, MULLEN BUILDING
TRINIDAD STATE COLLEGE
600 PROSPECT STREET
TRINIDAD, CO 81082**

SHEET TITLE:
DEMOLITION ROOF PLAN

DATE: 06/10/2022
REV:
ADDENDUM #1
6/29/2022

SHEET NO.:
A1.01



1 ROOF PLAN
A1.02 SCALE: 1/8" = 1'-0"



ROOF PLAN GENERAL NOTES:

- SLOPES SHOWN ARE MINIMUM TO BE PROVIDED; SLOPE OF (E) STRUCTURAL DECK VARIES BETWEEN 1/4:12 TO 3/4:12; ALL AREAS OF (N) ROOFING SHALL PROVIDE POSITIVE DRAINAGE TO MAIN SCUPPERS AND SHALL BE SUPPLEMENTED WITH TAPERED INSULATION CRICKETS AS REQUIRED TO ELIMINATE PONDING.
- (E) BLOCKING UNDER (E) PREFABRICATED CURBS AT MECHANICAL EQUIPMENT TO BE SUPPLEMENTED/INCREASED W/MATCHING MAT'L AS REQ'D TO PROVIDE A MINIMUM EXPOSED CURB OF 8 INCHES ABOVE (N) ROOFING SURFACE.
- PROVIDE TAPERED INSULATION CRICKET ON HIGH SIDE OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.
- PAINT ALL NON-PREFINISHED EXTERIOR BRACKETS, EXPOSED GAS PIPING, WELDS, ETC, UNLESS OTHERWISE NOTED.
- PROVIDE FLASHING BOOTS PER ROOF MFR. DETAILS AT ALL ROOF MEMBRANE PENETRATIONS AT (E) CONDUITS, PIPES, DUCTS, ETC.; DO NOT USE POURABLE SEALANT POCKETS UNLESS APPROVED FOR SPECIFIC CONDITION BY ARCHITECT.
- (E) ATTIC VENTS NOT SHOWN ON THIS PLAN; IF NOT REMOVED UNDER ADD. ALT. #1, PROVIDE FLASHING AS REQ'D BY ROOFING MFR.

KEY NOTES:

- 1 EPDM MEMBRANE & ROOF ASSEMBLY; SEE 3/A9.01
- 2 PAINT (E) ROOF HATCH & CURB; LIFT AS REQ'D PER 9/A9.01; CONTRACTOR TO ADD EXTENSION TO (E) LADDER SUCH THAT TOP RUNG IS WITHIN 12" OF TOP OF ROOF HATCH OPNG; ALL WELDS ON SIDE RAILS SHALL BE FILLETED & GROUND SMOOTH.
- 3 MTL PARAPET COPING; SEE 2/A9.01; (TYP.)
- 4 (E) SCUPPER OPENING TO BE FLASHED AND SEALED PER ROOFING MFR. STDS.; SEE 10/A9.01; (TYP.)
- 5 (E) SCUPPER SHALL REMAIN AT (E) ELEVATION; THE SUMP SHALL BE CREATED TO MEET INTENT OF DETAIL 13/A9.01.
- 6 WALK PADS BY ROOFING MFR.; 30" WIDE MIN.; (TYP.)
- 7 ROOF CRICKET AS REQ'D TO DIVERT FLOW AROUND CURB
- 8 PROVIDE STRUCTURAL REINFORCEMENT AT EXISTING PILASTER PARPETS; SEE 8/A9.01 (ADDITIVE ALTERNATE #3)
- 9 EXPANSION JOINT PER ROOF MFR. STANDARD DETAIL; SEE 4/A9.01
- 10 (E) ROOFTOP MECH. EQPT. & CURBS; TEMPORARILY LIFT MECH. UNITS AS REQ'D TO INSTALL (N) ROOFING SYSTEM O/(E) CURB; FLASH & CRICKET PER ROOF MFR. INSTALLATION INSTRUCTIONS AND STANDARD DETAILS; COORDINATE TEMP. MECH. UNIT SHUTDOWN W/OWNER AS REQ'D; ADJUST HEIGHTS OF (E) EQPT & DUCTWORK SUPPORT SYSTEMS AS REQ'D.
- 11 NOT USED
- 12 PERSONAL FALL ARREST ANCHORAGE CONNECTOR DEVICE COMPLIANT W/ ANSI/ASSE Z 359.1; BASIS OF DESIGN "D-RING ANCHORAGE CONNECTOR" BY DBI SALA MODEL 2109870 OR APPROVED EQUAL; ATTACH TO (E) STEEL STRUCTURE W/ 1/2" Ø GRADE 5 BOLTS OR WELD PER MFR. INSTRUCTIONS BY CERTIFIED PROFESSIONAL WELDER W/ 1/4" CONT. FILLET AT FLAT PORTIONS OF ANCHOR PLATE.
- 13 CELL PROVIDER CABLE TRAY SUPPORTED BY BALLASTED PVC SQUARE TUBES AT 3'-48" O.C.; PROVIDE SECTION OF WALKPAD OR SACRIFICIAL LAYER OF ROOF MEMBRANE (AS DIRECTED BY ROOF MFR) BELOW EACH SUPPORT; (TYP.)
- 14 (E) SHEET METAL PIPE ENCLOSURE & BASE FLASHING TO BE RAISED AS REQ'D FOR NEW ROOF ASSEMBLY
- 15 CONDUIT PENETRATION; SEE 11/A9.01
- 16 CONDUIT OR DUCT PENETRATION FLASHING; SEE 12/A9.01
- 17 WORK IN THIS AREA IS ADD ALT #2
- 18 (E) MASONRY PARAPET CAP TO REMAIN.
- 19 (E) ROOFING IN THIS AREA HAS SIGNIFICANT SLOPE VARIATION TO THE SCUPPER; CONTRACTOR SHALL DOCUMENT & RECREATE THIS SLOPE W/(N) ROOFING/INSULATION INSTALLATION.
- 20 (E) MASONRY PARAPET CAP TO REMAIN.

NEW ROOFING ASSEMBLY

60 MIL EPDM MEMBRANE - FULLY ADHERED
5/8" DENSDECK COVER BOARD
TAPERED POLYISO RIGID INSULATION
R-30 MIN. POLYISO RIGID INSULATION
OVER (E) 1X8 T&G STRUCTURAL ROOF DECK

WIND PRESSURE APPLICABLE TO ALL WORK THIS SHEET:

PRESSURES DERIVED BY ASD METHOD WITH A SAFETY FACTOR OF 2X.

MINIMUM DESIGN UPLIFT-RESISTANCE CAPACITIES ARE AS FOLLOWS:
(ZONES AS DEFINED BY ASCE 7-16)

ZONE 1 (ROOF FIELD):	75.8 PSF
ZONE 2 (ROOF PERIMETER 27 FT WIDE):	99.9 PSF
ZONE 3 (ROOF CORNERS 27 FT SQUARE):	136.2 PSF

WIND LOAD DESIGN PERIMETER EDGE METAL SHALL BE AS FOLLOWS:
(ZONES AS DEFINED BY ASCE 7-16)

ZONE 2 (ROOF EDGE PERIMETER, VERTICAL LOAD):	99.9 PSF
ZONE 3 (ROOF CORNERS, VERTICAL LOAD):	136.2 PSF
ZONE 4 (ROOF EDGE PERIMETER, HORIZ. LOAD):	51.6 PSF
ZONE 5 (ROOF CORNERS, HORIZ. LOAD):	63.7 PSF

LEGEND:

- ➔ BUILDING ENTRY/EGRESS POINT - MAINTAIN OWNER/PUBLIC ACCESS AT ALL TIMES UNLESS SPECIFICALLY APPROVED BY OWNER IN ADVANCE ON A SCHEDULED BASIS. IF WORK IS TEMPORARILY OCCURRING DIRECTLY ABOVE THESE POINTS (E.G.: LIFTING UP MATERIALS, LIFTING DOWN DEBRIS, ETC.) AREAS MAY BE TEMPORARILY BARRICADED OFF AS PERMITTED BY A.H.J. AND COORDINATED WITH OWNER, OR ALTERNATIVELY AT CONTRACTOR'S OPTION, TEMPORARY COVERED WALKWAYS IN CONFORMANCE WITH IBC 3306 MAY BE ERECTED TO MAINTAIN PEDESTRIAN USE DURING WORK.

SHEET TITLE:

ROOF PLAN

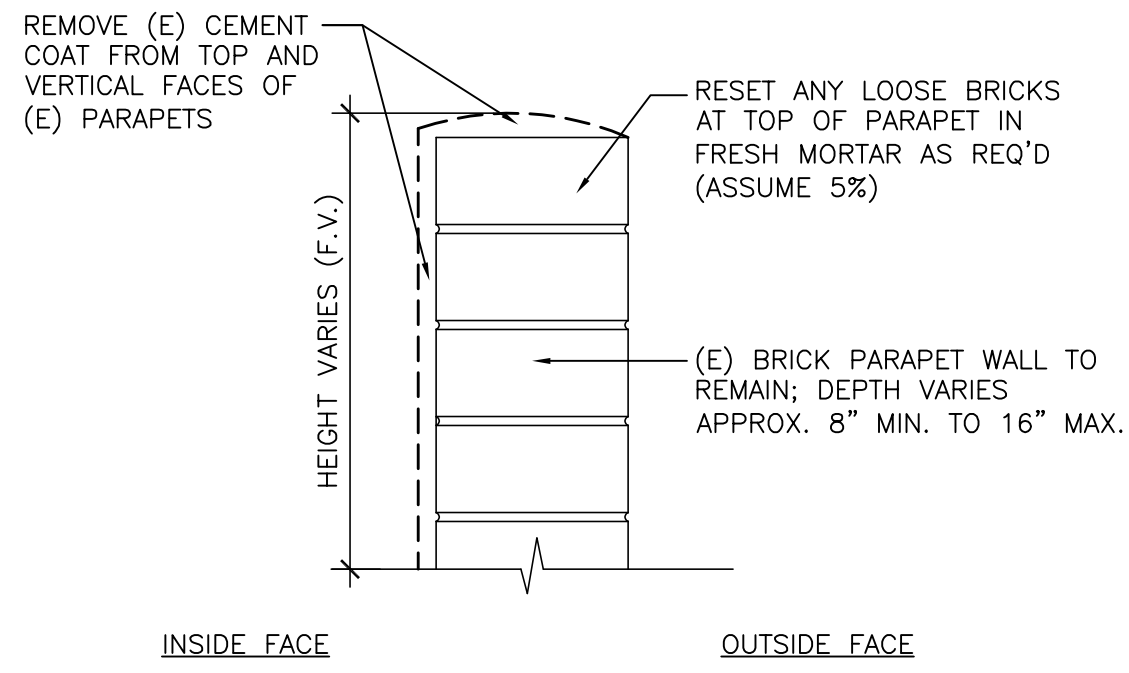
DATE: 06/10/2022

REV: ADDENDUM #1
6/29/2022

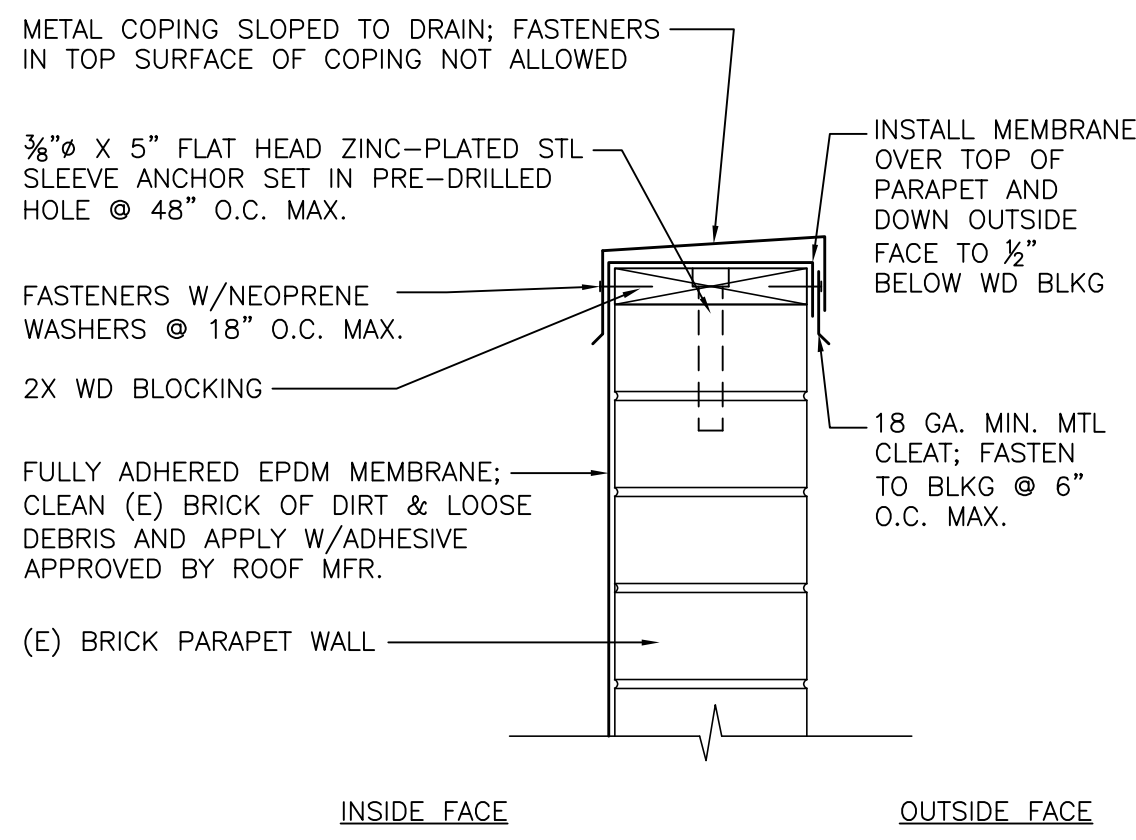
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A1.02

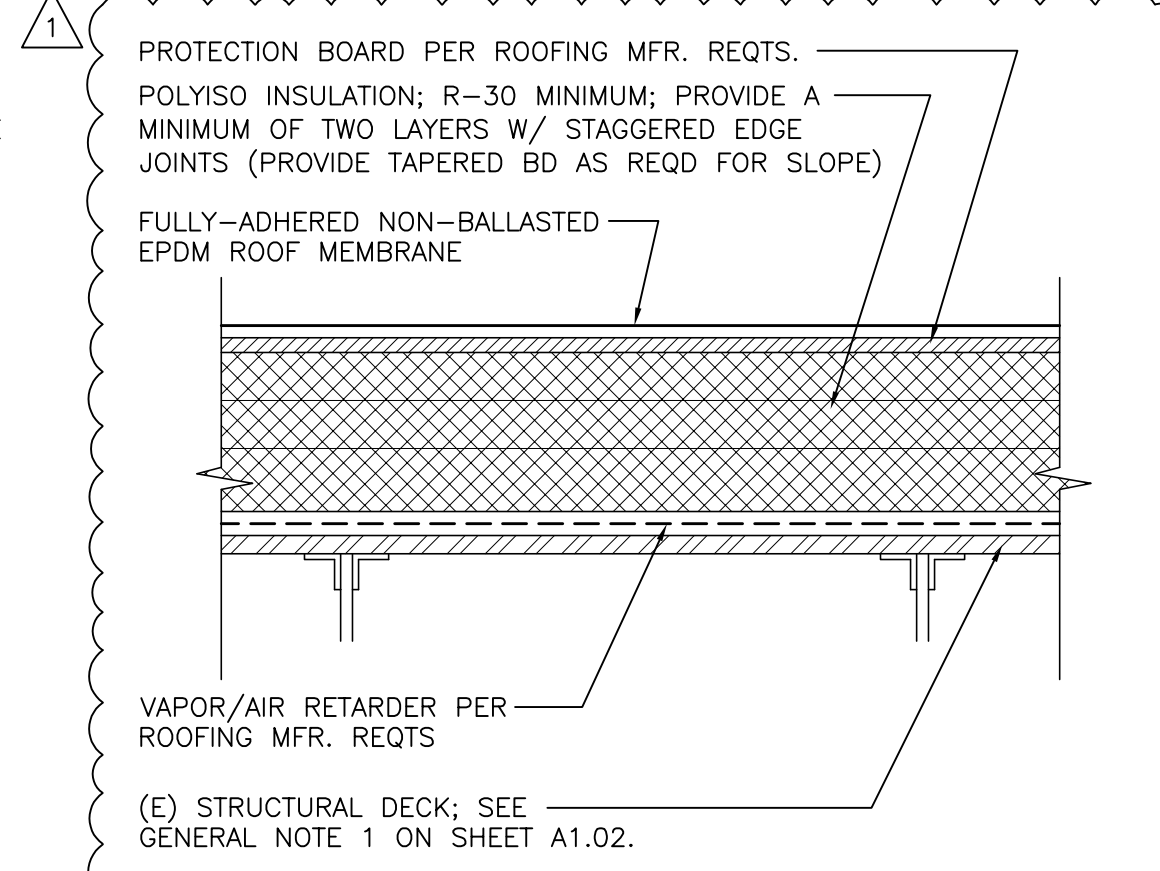
NOTE: (E) SLOPED CEMENT COAT ON STEPPED PARAPET TO REMAIN; SEE 5/A9.01



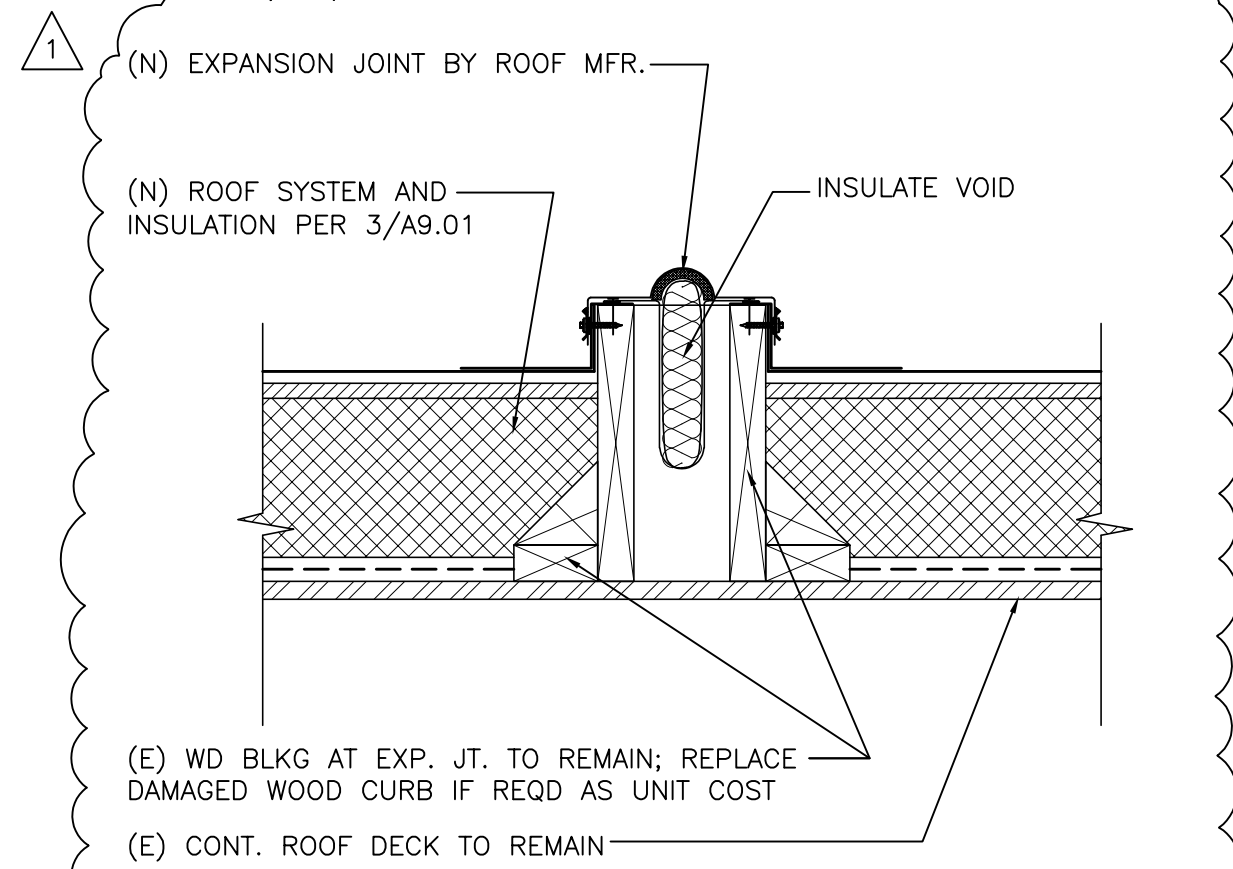
1 (E) PARAPET DEMOLITION
A9.01 SCALE: 1-1/2" = 1'-0"



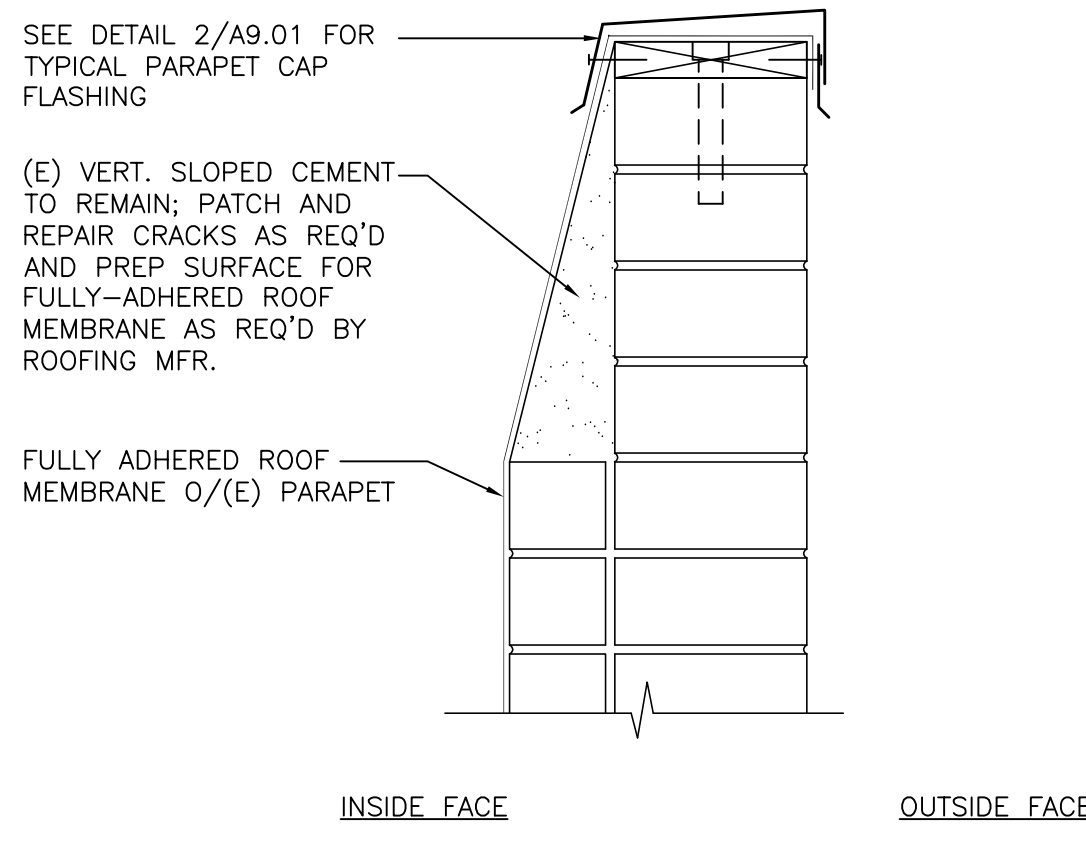
2 (E) PARAPET CAP FLASHING
A9.01 SCALE: 1-1/2" = 1'-0"



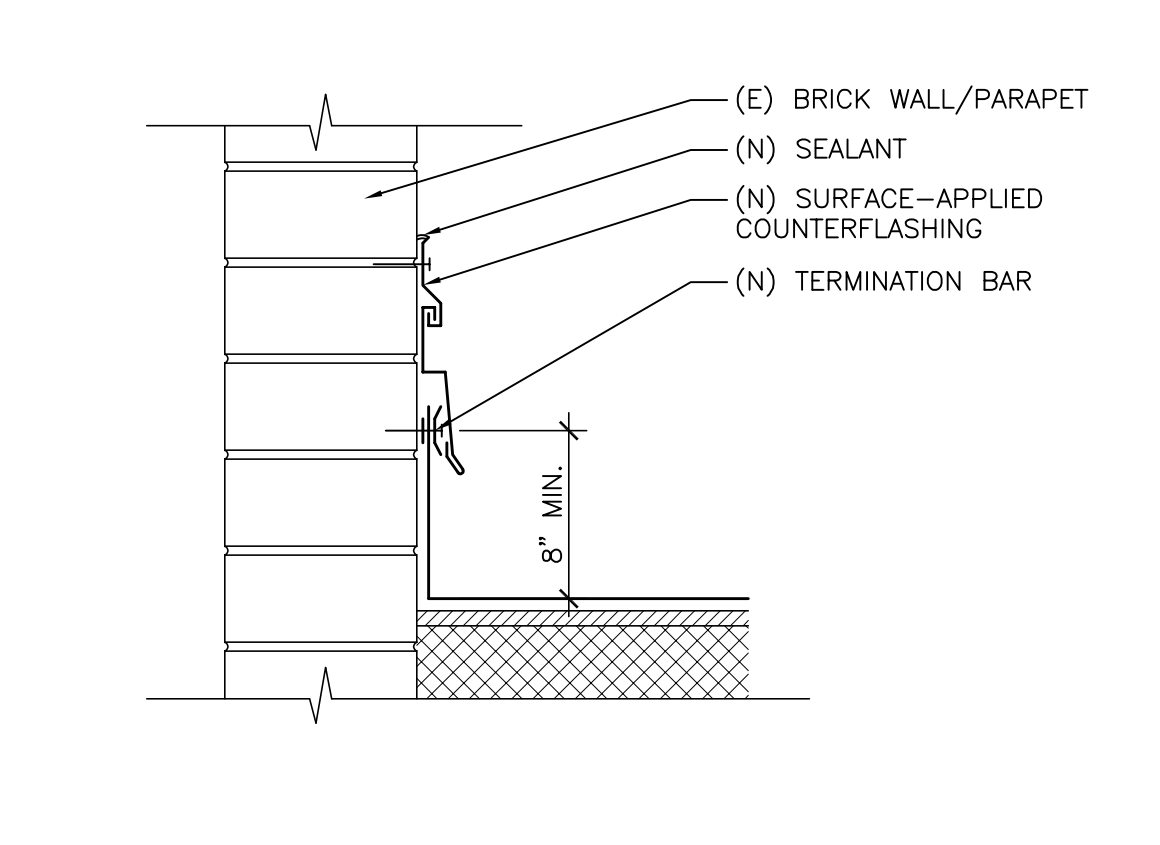
3 TYP. ROOF CONSTRUCTION
A9.01 SCALE: 1-1/2" = 1'-0"



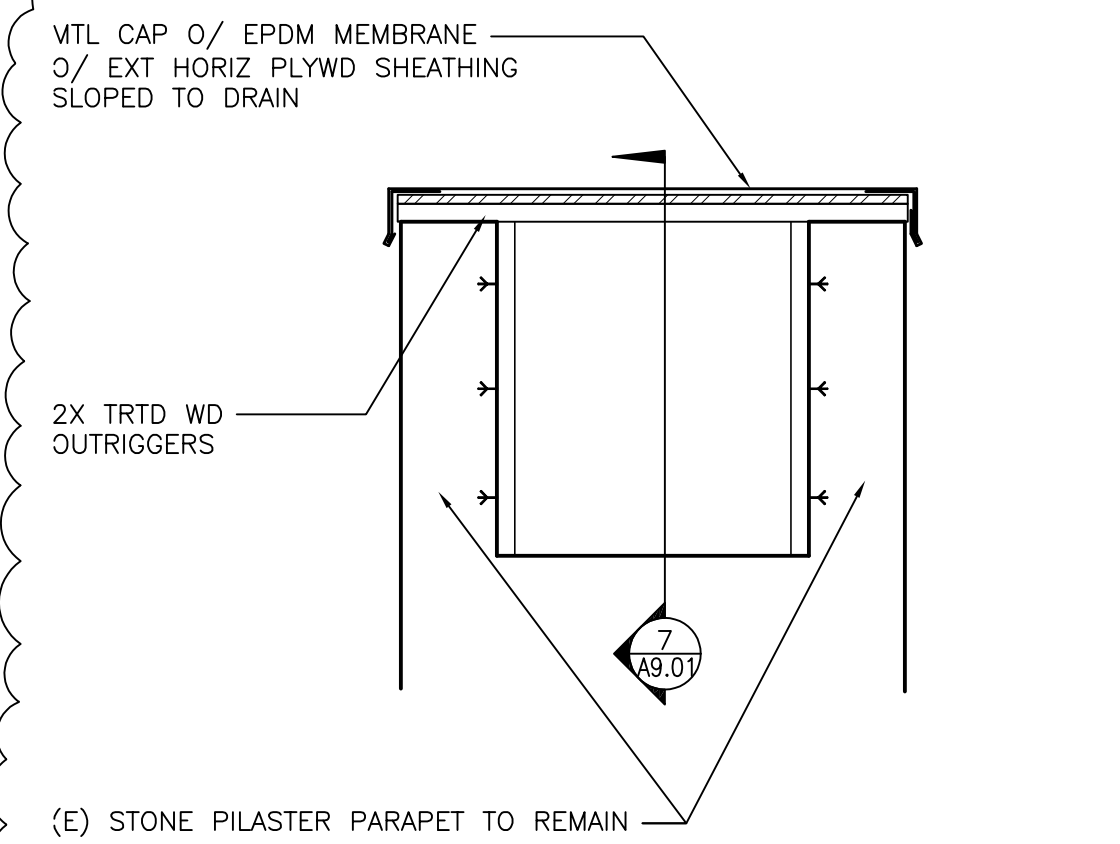
4 ROOF EXPANSION JOINT
A9.01 SCALE: 1-1/2" = 1'-0"



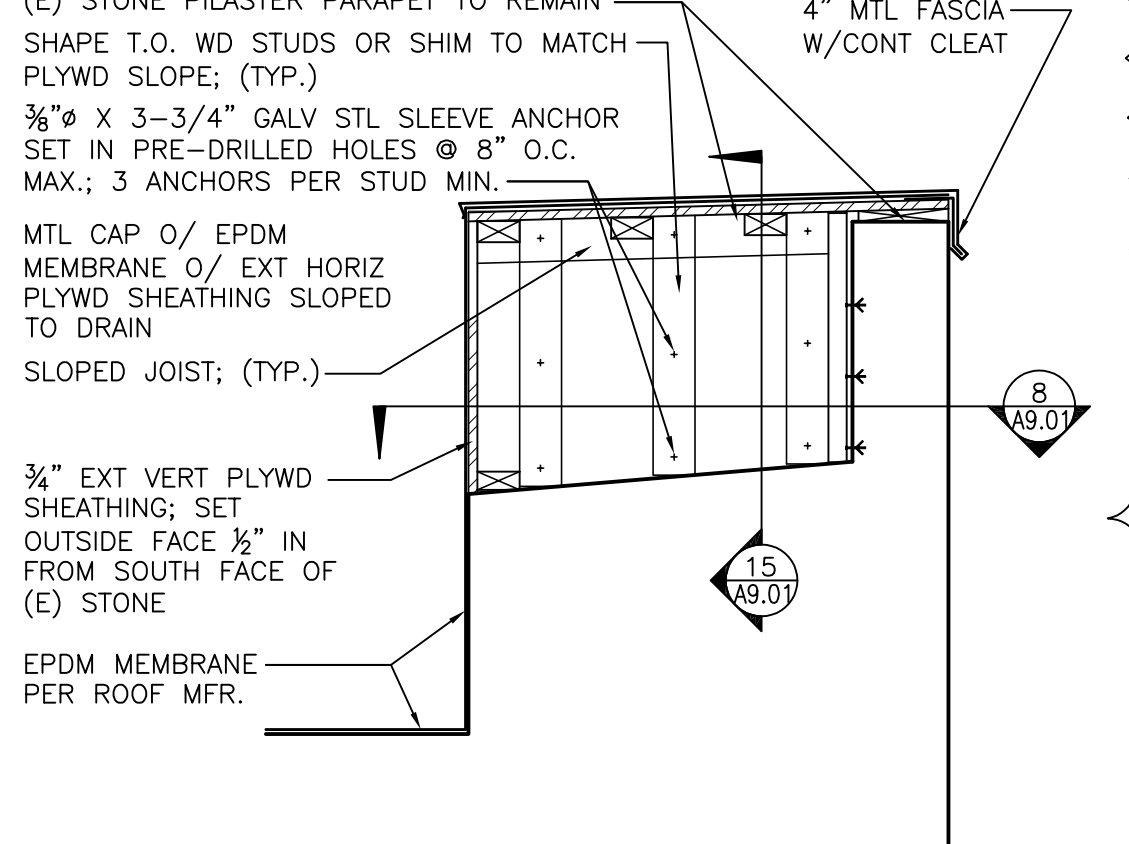
5 (E) STEPPED PARAPET CAP
A9.01 SCALE: 1-1/2" = 1'-0"



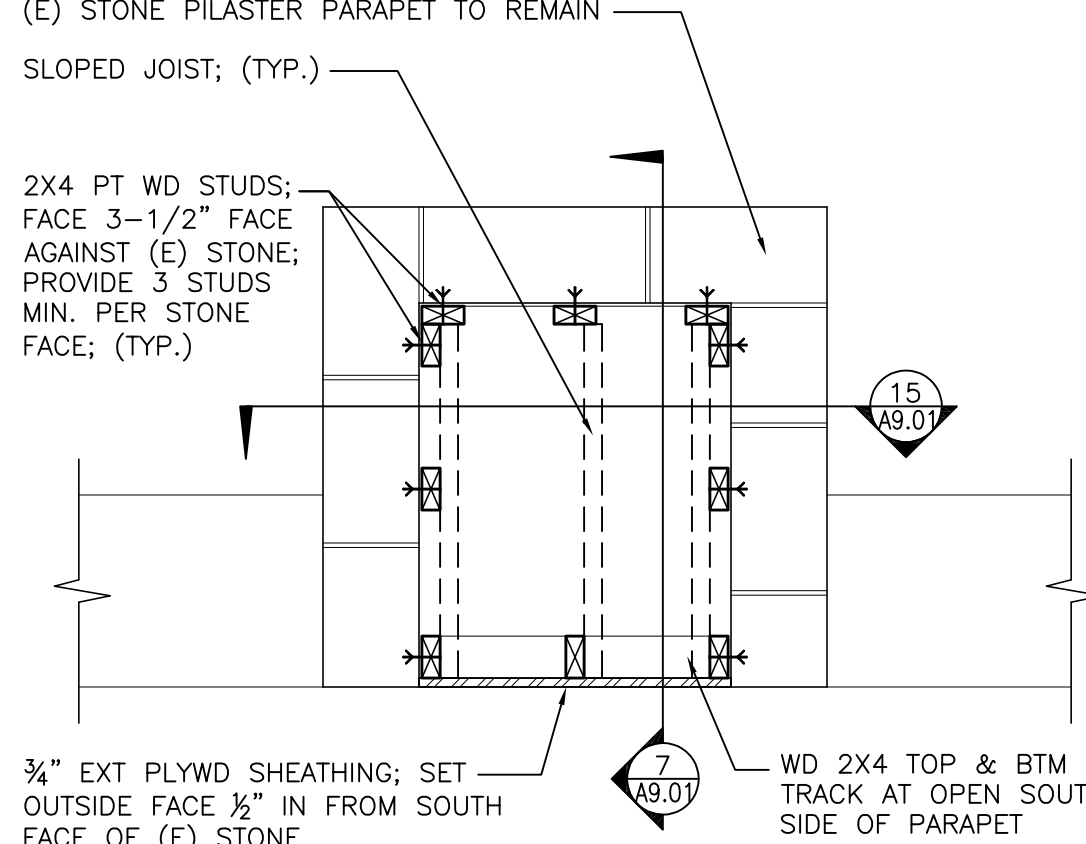
6 PARAPET BASE FLASHING
A9.01 SCALE: X" = 1'-0"



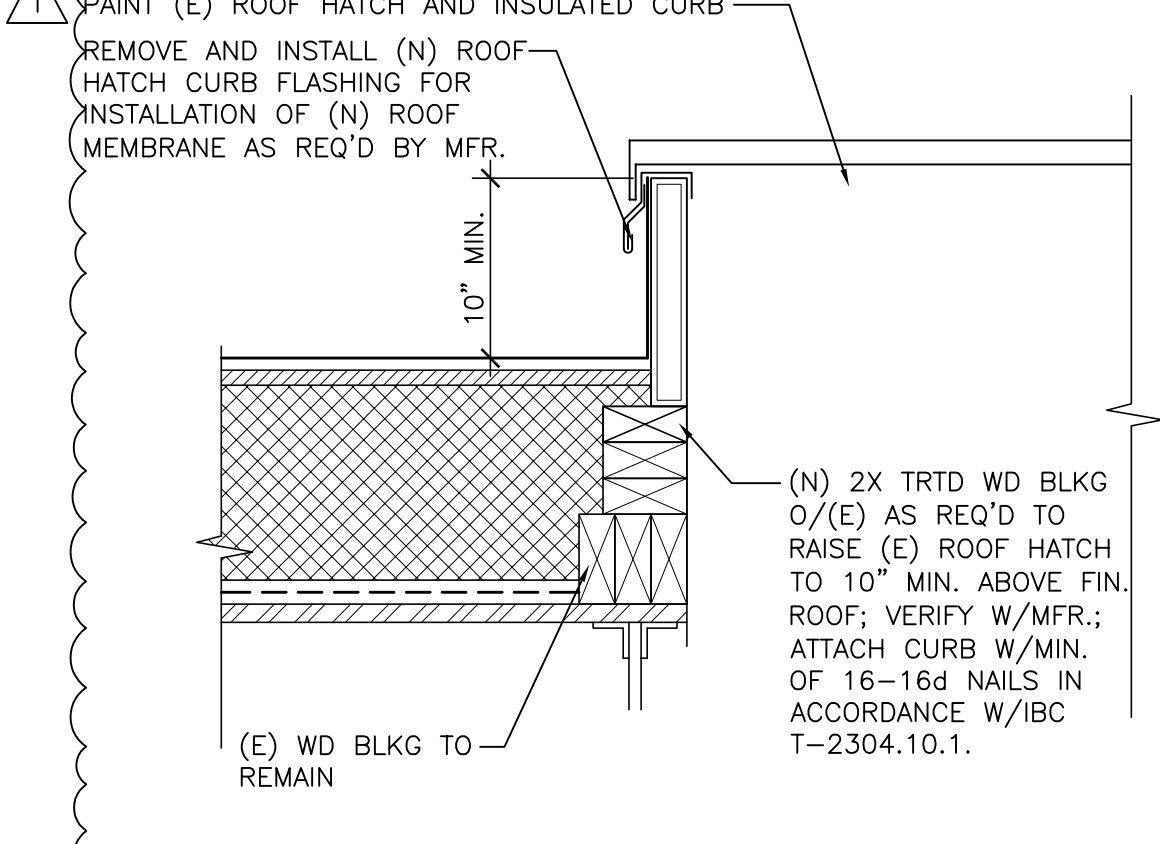
15 PILASTER PARAPET REINF.
A9.01 SCALE: 3/4" = 1'-0"



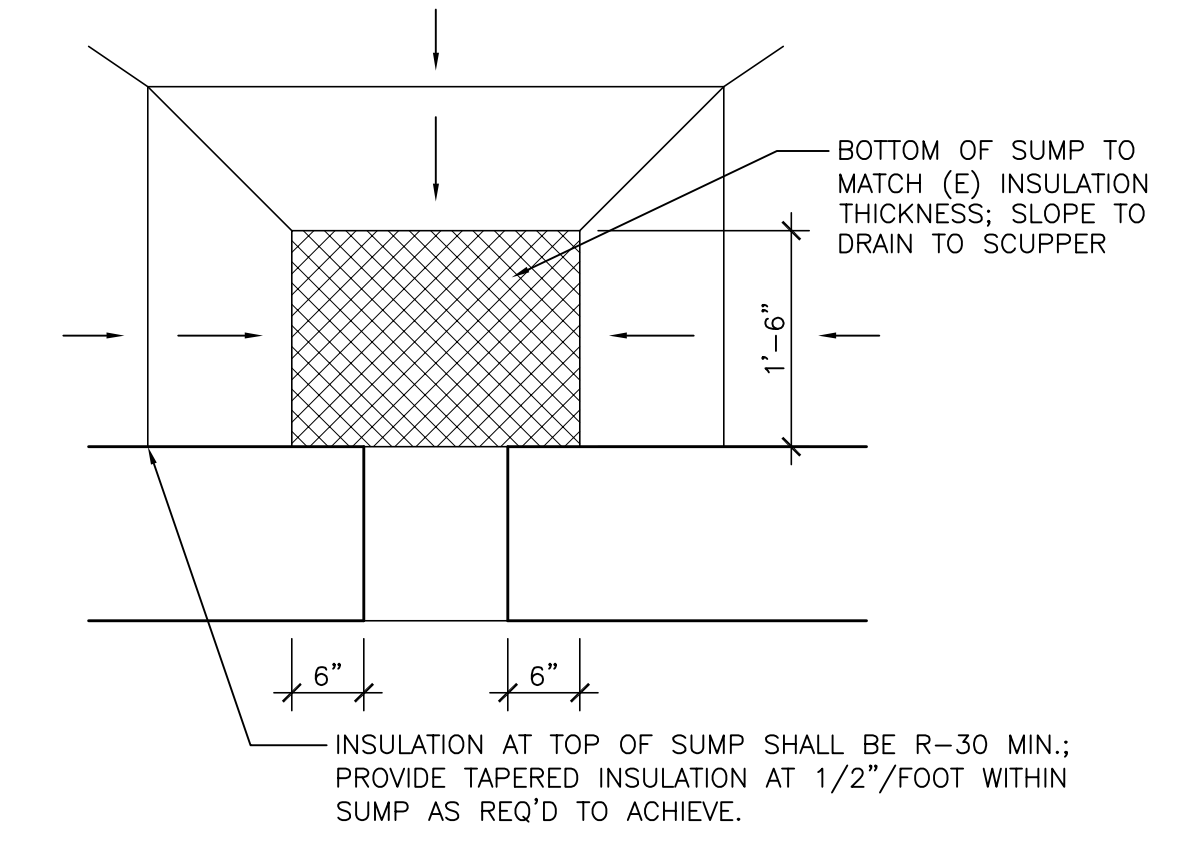
7 PILASTER PARAPET REINF.
A9.01 SCALE: 3/4" = 1'-0"



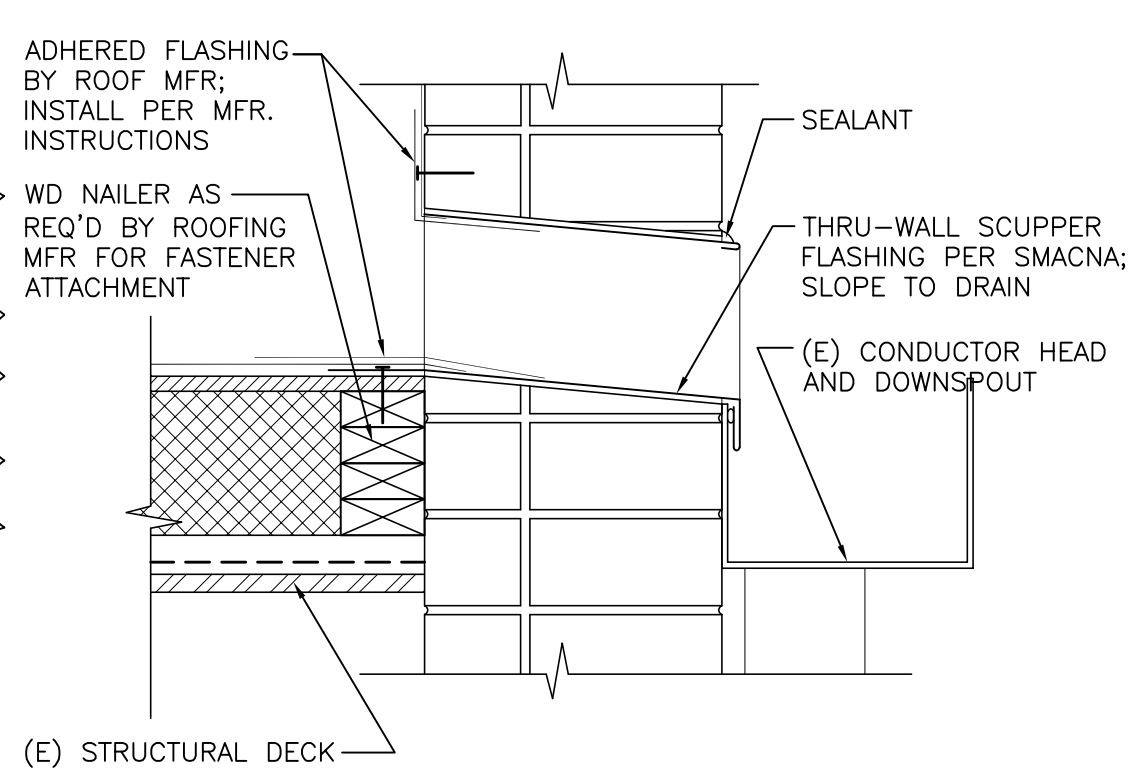
8 PILASTER PARAPET REINF.
A9.01 SCALE: 3/4" = 1'-0"



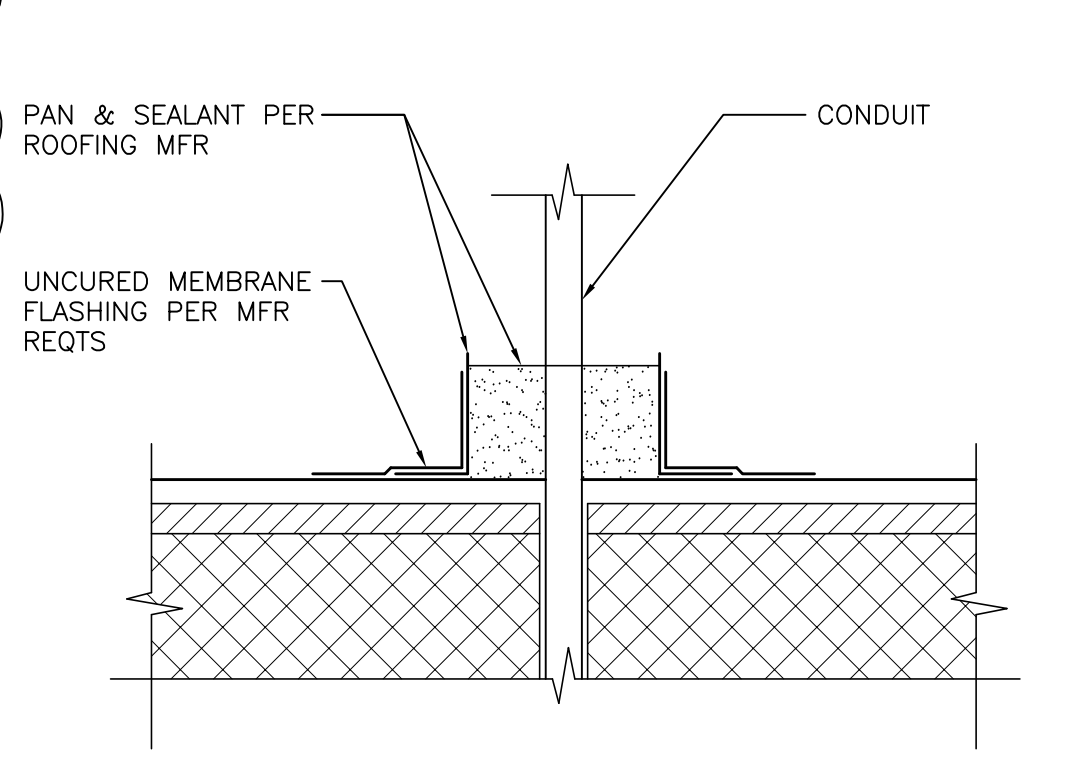
9 (E) ROOF HATCH
A9.01 SCALE: 1-1/2" = 1'-0"



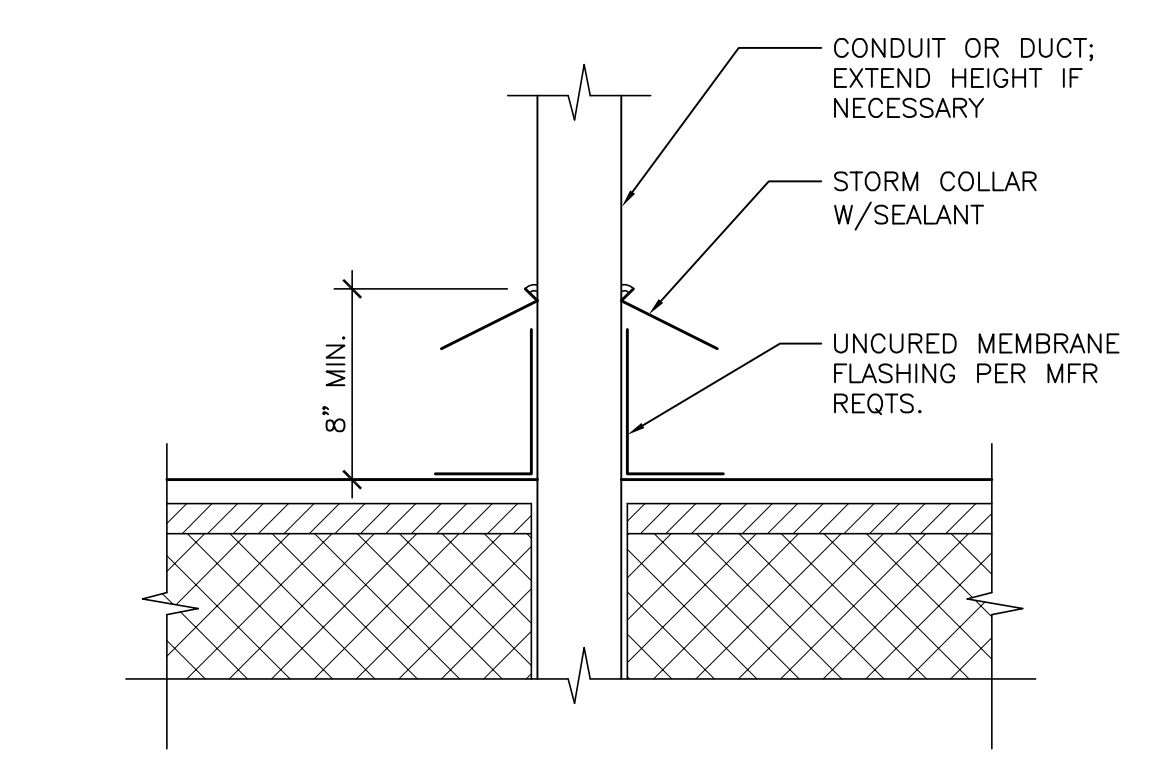
13 SCUPPER SUMP
A9.01 SCALE: 1-1/2" = 1'-0"



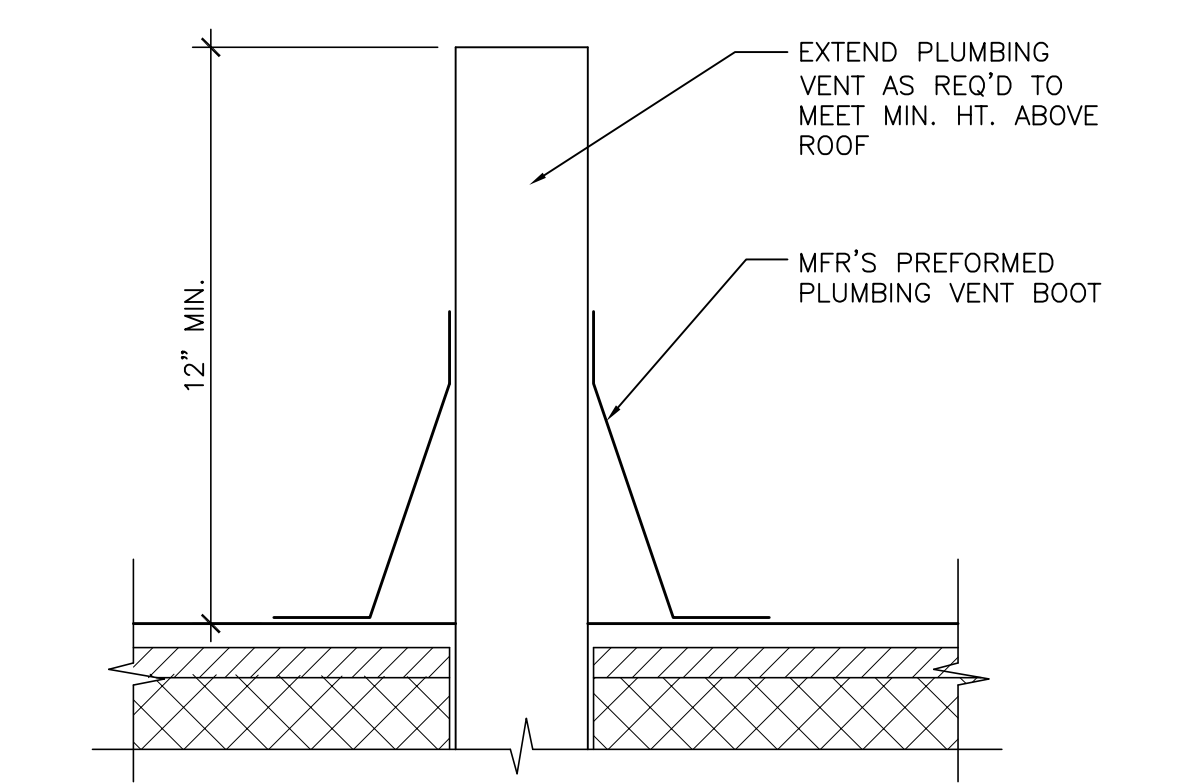
10 SCUPPER FLASHING
A9.01 SCALE: 1-1/2" = 1'-0"



11 CONDUIT SEALANT PAN
A9.01 SCALE: 3" = 1'-0"



12 CONDUIT OR DUCT PENETRATION
A9.01 SCALE: 3" = 1'-0"



14 VENT FLASHING
A9.01 SCALE: 3" = 1'-0"

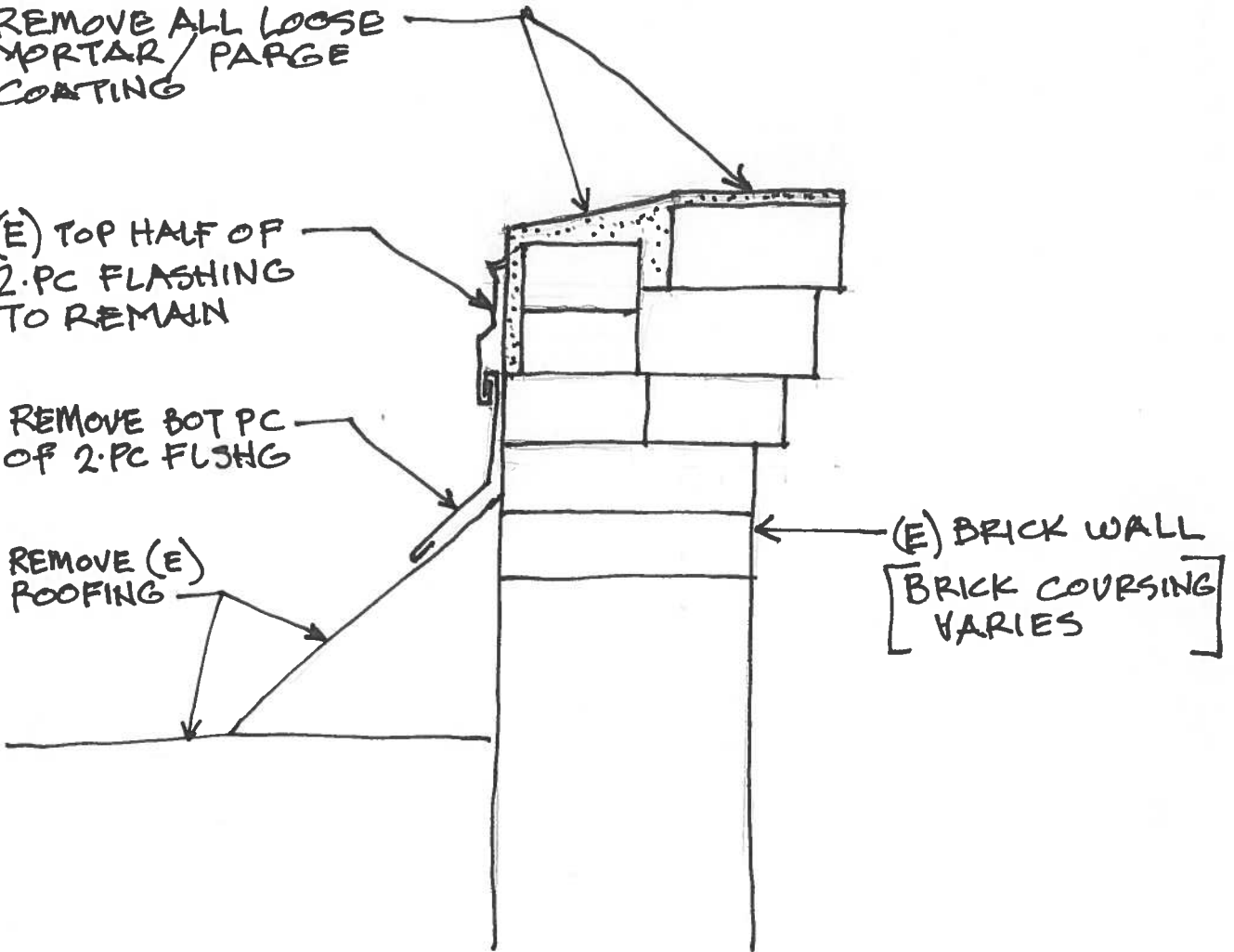
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REMOVE ALL LOOSE
MORTAR / PARGE
COATING

(E) TOP HALF OF
2-PC FLASHING
TO REMAIN

REMOVE BOT PC
OF 2-PC FLASHING

REMOVE (E)
ROOFING



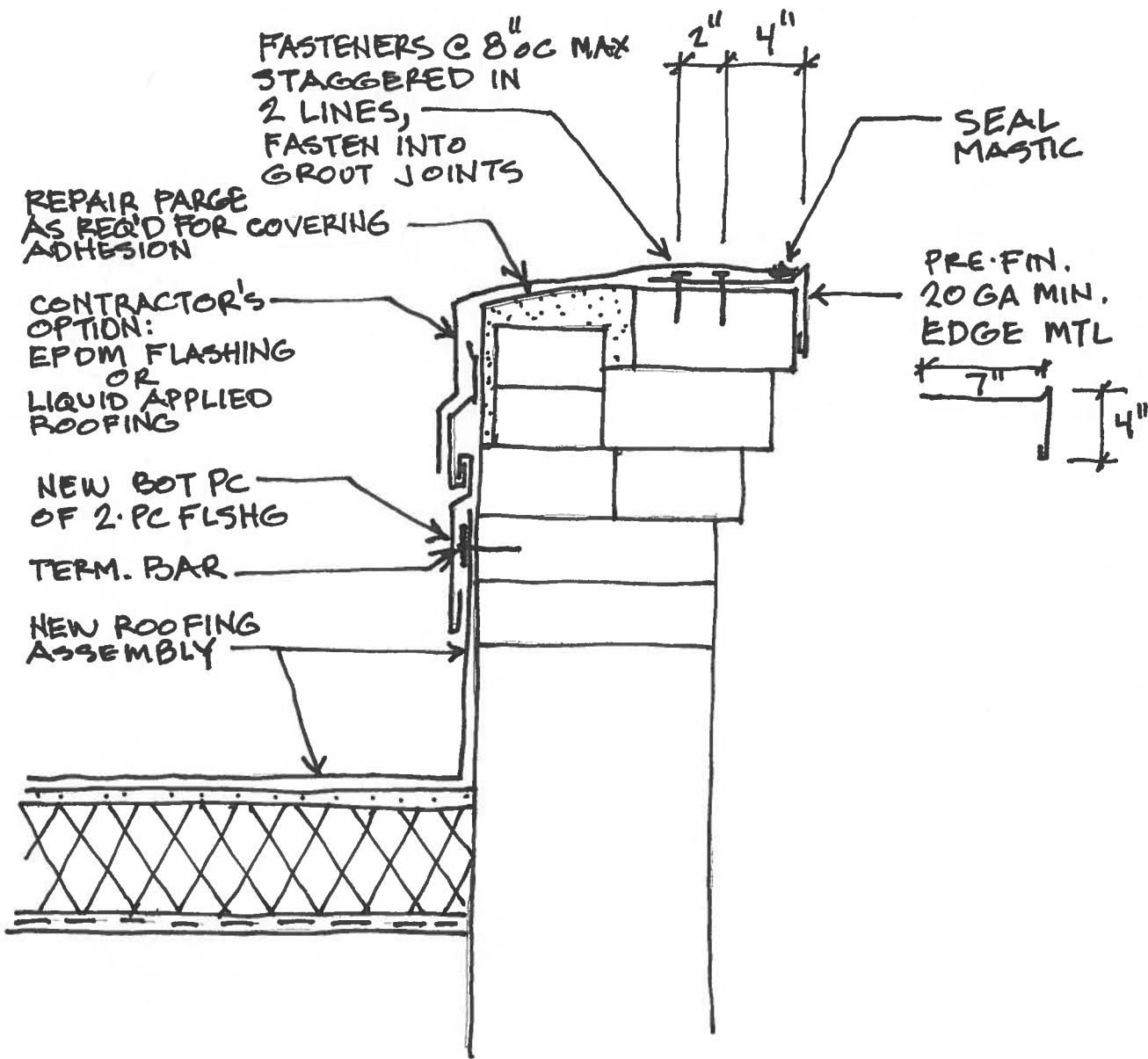
(E) BRICK WALL
[BRICK COURSING
VARIES]

EXISTING CONDITION 1

TSJC-MULLEN
ADDENDUM 1

6/29/22

SK-1



REPAIR CONDITION 1

TSJC - MULLEN
ADDENDUM 1 6/29/22

SK-2

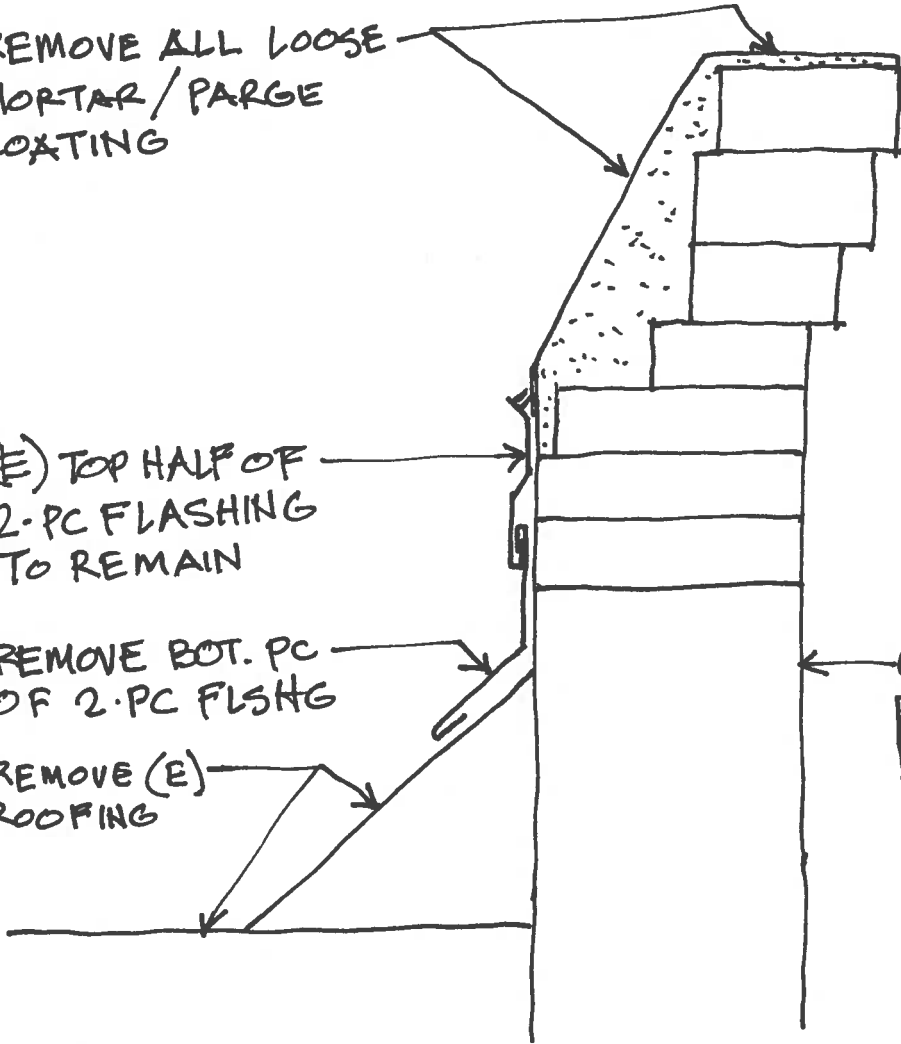
REMOVE ALL LOOSE
MORTAR / PATCH
COATING

(E) TOP HALF OF
2-PC FLASHING
TO REMAIN

REMOVE BOT. PC
OF 2-PC FLASHING

REMOVE (E)
ROOFING

(E) BRICK WALL
[BRICK COURSING
VARIES]



EXISTING CONDITION 2

TSIC. MULLEN
ADDENDUM 1

6/29/22

SK-3

FASTENERS @ 8" OC MAX
STAGGERED IN 2 LINES,
FASTEN INTO GROUT JOINTS

REPAIR PARGE AS
REQ'D FOR COVERING
ADHESION

CONTRACTOR'S
OPTION:
EPDM FLASHING
OR
LIQUID APPLIED
ROOFING

NEW BOT. PC
2-PC FLASHG

TERM. BAR

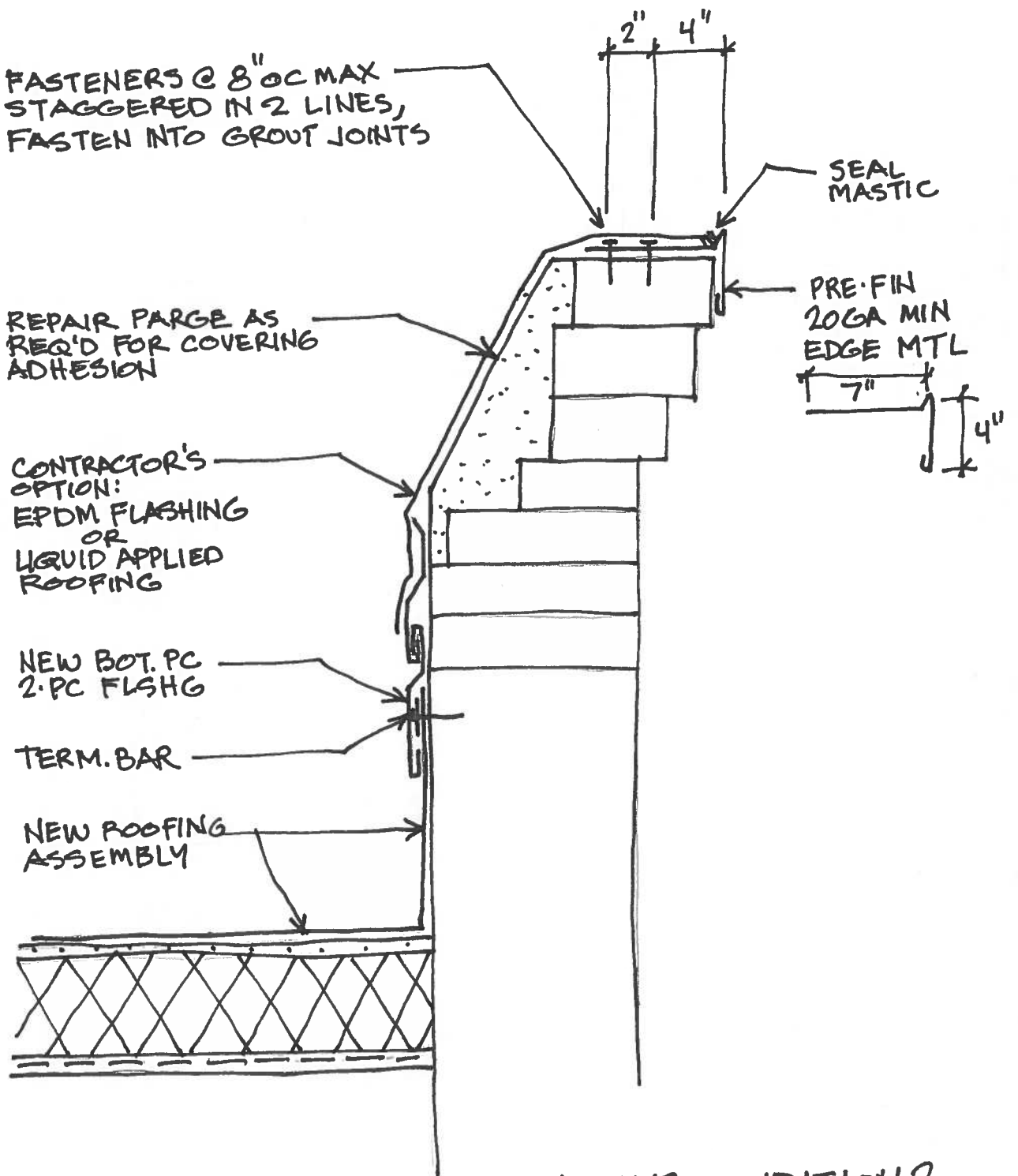
NEW ROOFING
ASSEMBLY

2" 4"

SEAL
MASTIC

PRE-FIN
20GA MIN
EDGE MTL

7" 4"



REPAIR CONDITION 2

TSJC-MULLEN
ADDENDUM 1 6/29/22

SK-4