



Invitation for Bid No. 2025-052

Progress Building Roof Replacement

.....

ADDENDUM No. 1

ISSUE DATE: October 30, 2025

Responding Offerors on this project are hereby notified that this Addendum shall be made a part of the above named IFB document.

The following items add to, modify, and/or clarify the IFB documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the IFB document.



October 21, 2025

Gensler and Associates (Union County)
101 South Tryon Street
Suite 2100
Charlotte, NC 28280

Attention: Taras Kes
Architect

Reference: Pre-Bid Meeting Minutes
Union County Progress Building
Roof Replacement
REI Project No. R25CLT-072

Dear Mr. Kes:

A Pre-Bid Meeting was held at 11:00 AM on 10/21/2025 at the project site to discuss the details of the above referenced project. Refer to the attached sign in sheet for the attendance. The following points of interest were discussed:

1. Zach Marlowe opened the meeting and a sign-in sheet was circulated.
2. A brief introduction of the project was provided.
3. Project Documents including Project Manual and Drawings sent electronically prior to the meeting. If you have not received documents, please email REI's Project Manager to request documents.

Section 00 11 13-Advertisement for Bids

4. Bids shall be received by Owner until 3:00 PM on 11/6/2025 at 610 Patton Avenue, Monroe, North Carolina 28110. The bids shall be publicly opened and read.
5. Bidder attendance at this pre-bid meeting was recommended but not mandatory.

Section 00 21 13-Instructions to Bidders

6. Bid Security will be required and shall be submitted with Contractor's bid. Utilize the form contained in the project manual.
7. Performance and Payment Bonds for the Contract Amount will be required. Utilize the forms contained in the project manual.
8. RMA Form shall be submitted with Contractor's bid.

Section 00 41 13-Bid Form

9. One manufacturer for the roof system shall be listed on the Bid Form.
10. A 10% Base Bid contingency allowance shall be contained in the contractor's Bid.
11. The following Quantity Allowances shall be contained in the Base Bid.
 - a. Repair 100 SF of Corroded Steel Deck (Corrosion Degree 1) with Coating. Refer to Section 05 01 30 – Steel Roof Deck Repair and Securement.

- b. Repair 10 SF of Steel Deck (Corrosion Degree 2) with Steel Plates. Refer to Section 05 01 30 – Steel Roof Deck Repair and Securement.
- c. Overlay 10 SF of Deteriorated Steel Deck (Corrosion Degree 3) with Steel Deck. Refer to Section 05 01 30 - Steel Roof Deck Repair and Securement.
- d. Replace 100 SF of Deteriorated Steel Deck (Corrosion Degree 4). Refer to Section 05 01 30 - Steel Roof Deck Repair and Securement.
- e. Replace 125 BF of Deteriorated Wood Blocking. Refer to Section 06 10 00 – Rough Carpentry.
- f. Replace 320 SF of Deteriorated Plywood. Refer to Section 06 10 00 – Rough Carpentry.

12. 6 unit prices shall be provided and utilized to determine the applicable quantity allowances.

13. Schedule of Completion:

- a. The construction duration (including any alternates accepted) for this project shall be **40 calendar days** before Liquid Damages shall be incurred of **\$250.00 per calendar day**.
- b. Time is of the essence. Contractor shall commence work on this project within ten (10) days following receipt of an Executed Agreement between Owner and Contractor.
- c. Date of commencement will be established in a Notice to Proceed issued to Contractor.

14. Provide all bid enclosures listed on the Bid Form including the following:

- a. A310-2010 Bid Bond
- b. Non-Collusion Affidavit
- c. E-Verify Affidavit
- d. Roof Manufacturer's Acknowledgement Form

15. For additional information, please contact the Owner's designated MWSBE Representative.

Section 01 11 00-Summary of Work

16. A brief outline of the scope of work was reviewed.

a. Low Slope Roof Replacement – Roof Area A:

- i. Remove and dispose of the roof system including flashings and sheet metal down to the steel deck.
- ii. Secure the existing steel deck to structural framing members.
- iii. Provide 1.5" Roof Insulation mechanically attached.
- iv. Provide 2" Roof Insulation adhered in foam adhesive.
- v. Provide Cover Board adhered in foam adhesive.
- vi. Provide a two-ply modified bitumen roof membrane along with flashings and accessories.
- vii. Replace sheet metal flashings and trim.
- viii. Provide a complete, watertight, 20-year warrantable roof assembly.

17. No materials were sampled or tested for asbestos.

Section 01 14 00-Work Restrictions

18. Works hours shall generally be performed during normal business hours. Should the Contractor elect to work on Saturday or Sunday, notification to the Owner and Engineer at least 48 hours in advance shall be required.

Section 01 40 00-Quality Requirements

19. A full time superintendent is required for the project.

Section 01 77 00-Closeout Procedures

20. A Modified Bitumen Roofing System warranty, a Pre-Finished Sheet Metal finish warranty, and Contractor's Warranty shall be required.

21. Contractor shall submit all closeout documents within thirty (30) days from Punch List.

Technical Specifications/Contract Drawings

22. To be reviewed as necessary.

Miscellaneous

23. Staging and Material storage areas are as follows:

- a. Staging and material storage areas shall be determined at the Pre-Construction Meeting.
- b. Access to the roof shall be via existing wall mounted ladder. Contractor shall thoroughly clean access ladder after the completion of the roof replacement.
- c. The Contractor will provide a portable toilet facility and handwashing station, as required.

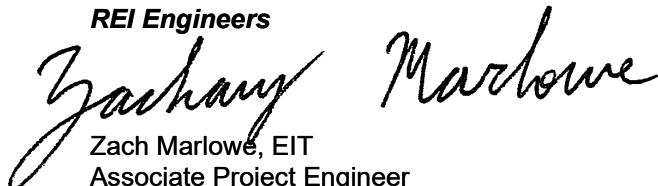
24. Bidders wishing to make additional site visits shall contact Owner/REI to coordinate an appointment for additional visits. Please allow 24 hours of advance notice to schedule the site visit. Bidders shall provide an extension ladder for access to the roof. Bidders must check in at the office immediately upon arrival to the facility.

25. All bidding or specification related questions are to be directed to REI Engineers in writing (email) by 5:00 PM on 10/23/2025 in an effort to keep addenda from being issued after 10/31/2025.

Please contact our office if you have any questions or corrections regarding these minutes.

Sincerely,

REI Engineers



Zach Marlowe, EIT

Associate Project Engineer

Enc: Pre-Bid Meeting Sign-in Sheet

PROJECT:	Union County Progress Building Roof Replacement	NO.:	01
OWNER:	Union County	DATE OF ISSUANCE:	10/30/2025
		ENGINEER:	REI Engineers
		REI PROJECT NO:	R25CLT-072

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated 9/12/2025 as noted below.

This addendum consists of 1 page(s), the attached Pre-Bid Meeting Minutes, revised or additional Specification Sections 00 62 33, 00 65 36, 01 21 00, 23 05 29, and the attached revised Drawing XR101.

CHANGES TO BIDDING REQUIREMENTS:

1. Pre-Bid Meeting Minutes: the attached Pre-Bid Meeting Minutes dated 10-21-2025 are incorporated into the Contract Documents by reference.
2. Add Section 00 62 33 – Roof Manufacturer's Acknowledgement.
3. Add Section 00 65 36 – Contractor's Warranty.

CHANGES TO SPECIFICATIONS:

1. Section 01 21 00 - Allowances, replace with the attached, Revision No. 1 Section 01 21 00 - Allowances.
2. Add Section 23 05 29 – Rooftop Hangers and Supports.

CHANGES TO CONTRACT DRAWINGS:

1. Drawing XR101 – Roof Plan, replace with the attached, Revision No. 1 Drawing XR101 – Roof Plan.

**ALL OTHER REQUIREMENTS AND PROVISIONS OF THE BIDDING DOCUMENTS REMAIN UNCHANGED.
ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE BID FORM. FAILURE TO DO SO MAY BE CAUSE
FOR REJECTION OF THE BID.**

END OF ADDENDUM

10/21/25

PRE-BID SIGN-IN

OWNER: Gensler Associates (Union County)
 PROJECT: R25CLT-072 Progress Building Roof Replacement

Name	Company	Phone No.	Email
Zach Marlowe	REI Engineers	704-651-1060	zmarlowe@reiengineers.com
Brian Myers	DET Roofing	919.648.8624	brian@detroofing.com
Lin Tucker	IRCC	7045251143	lt@interstatecoatingsco.com
BILL Leonin	BAICER	704-430-7088	BCRONIN@BAICEROOFING.COM
AUSTIN Hood	DRY TECH	704-677-5780	AHOOD@DRYTECHROOFING.COM
Justin George	QXO	803 439 7844	Justin.George@QXO.COM
MATT GRECO	SOPREMA	704.918.6232	Mgrec0@SOPREMA.US
Joey Tillman	Owens Roofing	736.707.2051	joey@owensroofinginc.com
SCOTT CARAGHER	DAVCO ROOFING	980-267-8124	SCOTT.CARAGHER@DAVCOROOFING.COM
MATTHEW KRIDER	DRY TECH	704-660-6157	MATTHEW.KRIDER@DRYTECHROOFING.COM
Rob Chubb	Gardner	704 318 6464	RChubb@GardnerCo.com
Eric Simpson	Union County	704 238 7768	Eric.Simpson@UnionCountyNC.gov
Taras Kers	Gensler	704.338.0271	taras_kers@gensler.com
Paul Whitley	REI Engineers	704 458 1001	pwhitley@reiengineers.com
Vicky Watts	UC	704-283-3604	vbwatts@unioncountync.gov



SECTION 00 62 33 - ROOF MANUFACTURER'S ACKNOWLEDGMENT - ADDENDUM NO. 1

PART 1 GENERAL

1.1 FROM:

- A. Roofing Contractor: _____
- B. Address: _____
- C. Phone: _____ Email: _____

1.2 FOR:

- A. Owner: Union County, North Carolina
- B. Project: Union County Progress Building Roof Replacement
- C. REI Project No.: R25CLT-072
- D. Address: 1407 Airport Road, Monroe, North Carolina 28110

1.3 ACKNOWLEDGEMENT

- A. This is to advise the Owner that having thoroughly reviewed the Specifications and Drawings contained within the Project Manual dated 09-12-2025, the above-titled project, we acknowledge that the roof system(s) and flashing system(s) specified are suitable for the issuance of the specified Manufacturer's warranty on this project and have been tested and approved for the wind uplift pressures and specified external fire resistance rating outlined in the project specifications. Having reviewed the project requirements in detail, the Manufacturer will provide a written response of exceptions or exclusions to the Engineer through the contractor as otherwise outlined in the Advertisement or Invitation for Bids, if conflicts exist between the Manufacturer's warranty requirements and the above listed documents. Exceptions not submitted accordingly are subject to rejection. The manufacturer also certifies that the installer is approved, authorized, or licensed by the manufacturer to install the specified roof system and is eligible to provide the specified manufacturer's warranty. The manufacturer will comply with the specified requirements for on-site technical support.

1.4 EXECUTED BY:

- A. Manufacturer's Company Name: _____
- B. Designated Reviewer Name and Title: _____
- C. Signature: _____ Date: _____

END OF SECTION

PART 1 GENERAL

1.1 WARRANTY

A. Know all men by these presents, that we, _____ (Contractor), having installed roofing system, flashings and sheet metal on the Union County Progress Building Roof Replacement under contract between Union County, North Carolina and Contractor, warrant to the Owner with respect to said work that for the period of 2 years from date of substantial completion of _____, 20____, the work shall be watertight and free from defects, provided however the following are excluded from this Warranty: 1) defects or failures resulting from abuse by the Owner, 2) damages caused by fire, tornado, hail, hurricane, acts of God, wars, vandalism, riots or civil commotion, and 3) defects in design involving failure of structural frame, load bearing walls, and/or foundations. We agree that should any leaks occur in the work we will perform emergency repairs within 24 hours' notice and perform permanent repairs promptly in a manner to restore the work to a watertight condition by methods compatible to the system, acceptable under industry standards and general practice, and acceptable to the Manufacturer, all at no expense to the Owner. We further agree that for the period specified below, we will make repairs at no expense to the Owner to defects which may develop in the work in a manner compatible to the system, acceptable under industry standards and general practice as established by the Engineer and acceptable to the Manufacturer.

B. We agree to attend one post construction field inspection no earlier than one month prior to the Contractor's Warranty expiration date and to complete corrective actions requested by Owner, Engineer, or Manufacturer at no additional cost to the Owner.

1.2 EXECUTED BY

A. Contractor: _____

B. Authorized Officer Name and Title: _____

C. Signature: _____ Date: _____

1.3 NOTARIZED BY:

A. I, _____ (print name), a Notary Public for _____ County of _____ (State), do hereby certify that _____ (officer listed above) personally appeared before me this day and acknowledged the due execution of the foregoing instrument. Witness my hand and official seal, this _____ day of _____, 20 _____. My commission expires _____ of _____, 20 _____.
 B. Signed: _____

(OFFICIAL SEAL)

END OF SECTION

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Administrative and procedural requirements governing allowances.

1.2 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Specification Sections apply to this Section, including but not limited to:

1. Section 05 01 30 - Steel Roof Deck Repair and Securement
2. Section 06 10 00 - Rough Carpentry

1.3 ABBREVIATIONS

A. Abbreviations for typical units of measurement:

1. Square Foot (SF)
2. Square Yard (SY)
3. Cubic Foot (CF)
4. Board Foot (BF)
5. Linear Foot (LF)
6. Each (EA)
7. Tonnage (TON)

1.4 CONTINGENCY ALLOWANCE

- Include the specified contingency allowance in the base bid.
- Credit unused portion remaining at the completion of the contract back to the Owner.
- The Owner reserves the right to modify the contingency allowance prior to award of Contract.

1.5 QUANTITY ALLOWANCES

- Include the specified quantity allowances in the base bid. Use the unit price submitted on the Bid Form to compute the quantity allowances. The quantities indicated on the Bid Form are estimated quantities only for the purpose of comparing bids. Compensation for the unit price bid made for the exact quantity of work performed under the unit price item. Deductive amounts of unit price work included in the Contract Sum are calculated at 100% of the quoted add unit price.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 SCHEDULE OF ALLOWANCES

A. Contingency Allowance: Include contingency allowance of 10% of the base bid.

B. Quantity Allowances:

1. Repair 100 SF of Corroded Steel Deck (Corrosion Degree 1) with Coating. Refer to Section 05 01 30 - Steel Roof Deck Repair and Securement.
2. Repair 10 SF of Steel Deck (Corrosion Degree 2) with Steel Plates. Refer to Section 05 01 30 - Steel Roof Deck Repair and Securement.
3. Overlay 10 SF of Deteriorated Steel Deck (Corrosion Degree 3) with Steel Deck. Refer to Section 05 01 30 - Steel Roof Deck Repair and Securement.
4. Replace 100 SF of Deteriorated Steel Deck (Corrosion Degree 4). Refer to Section 05 01 30 - Steel Roof Deck Repair and Securement.
5. Replace 125 BF of Deteriorated Wood Blocking. Refer to Section 06 10 00 - Rough Carpentry.

6. Replace 320 SF of Deteriorated Plywood. Refer to Section 06 10 00 - Rough Carpentry.

END OF SECTION

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Provide portable, non-penetrating, rooftop support system for:
 - a. Piping, Conduits and Cables
2. Provide PVC condensation lines with integral P-trap on HVAC units if not present. Route condensation lines to nearest drainage point (i.e. roof drain, gutter, or scupper) and set on non-penetrating, rooftop support system.

1.2 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Specification Sections, apply to this Section, including but not limited to:

1. Section 07 52 16.13 - Torch-Applied Modified Bitumen Roofing

1.3 REFERENCE STANDARDS

- A. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.
- B. ASTM D1929 - Standard Test Method for Determining Ignition Temperature of Plastics; 2023.
- C. MSS SP-58 - Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation; 2018, with Amendment (2019).

1.4 SYSTEM DESCRIPTION

- A. Support piping on roof with an engineered prefabricated system designed for installation without roof penetrations, flashing or damage to the roofing material. System consists of bases, made of high-density polypropylene plastics with UV Protection, a HDG structural steel frame and suitable pipe hangers for the application with electro-plated nuts, threaded rods and washers. Custom designed to fit piping and conduit and the conditions of service.
- B. Provide Seismic and High Wind applications where necessary for categories listed above.

1.5 SUBMITTALS

- A. Product Data: Manufacturer's Product Data Sheets for materials specified certifying material complies with specified requirements.
- B. Manufacturer's Instructions: Latest edition of the Manufacturer's current material specifications and installation instructions.
- C. Shop Drawings: Show installation layout, sizes of units, and details of installation.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Specializing in manufacturing pipe support systems, with a minimum of eight years of documented experience.
- B. Installer Qualifications: Approved by manufacturer and with not less than five years of experience in installation of piping support systems.
- C. Pre-Installation Meeting:
 1. Attendees: Owner, Engineer, Contractor, Roofing Contractor, Mechanical Contractor, Electrical Contractor.
 2. Purpose of meeting is to describe in detail the installation process and to establish agreement, coordination, and responsibilities.
 3. Prepare detailed meeting report and distribute copies to the Engineer and attendees.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to project site in manufacturer's original packaging, marked with manufacturer's name, product model names and catalog numbers, identification numbers, and other related information.
- B. Store materials under cover until needed for installation.

1.8 WARRANTY

- A. Warranty: 5-year limited warranty to repair or replace products that are structurally defective in material or workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Whenever a particular make of material, trade name and/or manufacturer's name is specified herein, it is indicative of the minimum standard of quality and performance characteristics required. Follow specific manufacturer's requirements in regard to preparation, application, etc. if differing from the specified requirements.
 - 1. Manufacturers:
 - a. Portable Pipe Hangers (PPH)
 - b. OMG Pipeguard
 - c. nVent Caddy
 - d. Miro Industries
 - B. Specifications and Drawings are based on manufacturer's proprietary literature from PPH. Comply with minimum levels of material, color selection, and detailing indicated in Specifications and Drawings required by other manufacturers. Engineer will be sole judge of acceptance of substitutions.

2.2 APPLICATIONS

- A. Support pipes, conduit, cable trays, and ducts minimum of 6 inches above roof surface.
 - 1. Support Spacing: Maximum of 6 feet or as required by manufacturer.
 - 2. For Electrical and Gas Lines 2-1/2 inches in Diameter or Less, up to 10 inches above roof: Portable Pipe Hanger Model number: SS8
 - 3. For Electrical and Gas Lines 3-1/2 inches in Diameter or less, up to 16 inches above roof: Portable Pipe Hanger Model number PP10.
 - 4. For Gas Lines 4 to 6 inches in Diameter, up to 12 inches above roof: Portable Pipe Hanger Model number RB18.
 - 5. For single Electrical and Gas Lines 3 to 8 inches in Diameter: Portable Pipe Hanger Model number PS 1-2.
 - 6. For Multiple Lines: Portable Pipe Hanger Model number PSE custom.
 - 7. Accessories for PSE Custom and Other Applications when required
 - a. On sloped roof surfaces where slope exceeds 1/4 inch per foot: Provide base with swivel for slope adjustment.
 - b. Un-insulated Piping: Roller support or clevis hanger.
 - c. Insulated Piping: Band hanger supported from horizontal channel or clevis hanger with Insulation Protection Shield.
 - d. Conduit: Band hanger supported from horizontal channel.
 - e. Bracing required when using base with swivel, when pipe exceeds 24 inches above roof, or when thermal expansion of pipe is great.
- B. Attachment of Base to Roof Surface when required for Seismic and High Wind Application: No attachment to roof surface.

2.3 MATERIALS

- A. Portable Support System: Engineered, portable system specifically designed for installation without the need for roof penetrations or flashings, and without causing damage to the roofing membrane.

1. Design system using high density / high impact polypropylene bases with carbon black, antioxidants for UV protection, and steel framing for support is 1-5/8 inch B22TH or 1-7/8 inch BTS22TH
2. Custom design system to fit piping, conduits, equipment, or walkways for conditions of service and loading.
3. Piping Supports: Provide suitable hangers and supports.

B. Bases: Injection molded high density/high impact polypropylene with UV-inhibitors and antioxidants, conforming to the following:

1. Moisture Content: Negligible.
2. Shrinkage/Swelling Due to Moisture: Negligible.
3. Density: 55.8 lb/cu ft.
4. Insect Resistance: No known insect damage potential.
5. Chemical Resistance (oil, brake fluid, gasoline, diesel, antifreeze, battery acid, and sulfuric acid) No visual or physical change apparent.
6. Flammability: No ignition after 10 minutes, 25 kW/m, when tested in accordance with ASTM D1929.
7. Sized as required by loading conditions and as indicated on the drawings.
8. Shop fabricated with inserts for square tubing or threaded rods as required.
9. Color: Integral black color as molded.
10. Bases for Mechanical Attachment: Sealant chamber around penetration point, with injection port for sealing after fastening; beveled lip for sealant bead around diameter.
11. Do not use bases containing carbonated plastics, press molded recycled rubber and plastics, steel, stainless steel, or injection molded threaded receivers.

C. Framing:

1. Channel Types: 1-5/8 inch B22TH or 1-7/8 inch BTS22H, as required for loading conditions.
2. Thickness: 12 gauge
3. Form: Roll-formed 3-sided or tubular channel, perforated with 9/16 inch holes at 1-7/8 inch centers on three sides.
4. Material:
 - a. Hot dip galvanized steel in accordance with ASTM A123/A123M after fabrication, free of roughness, whiskers, unsightly spangles, icicles, runs, barbs, sags, droplets, and other surface blemishes.
5. Do not use tubing or tube steel.

D. Pipe Supports and Hangers: Conform to MSS SP-58 and MSS SP-69 and as follows:

1. Fabricate of carbon steel where framing is carbon steel; fabricate of stainless steel where framing is stainless steel; finished same as framing.
2. Sizes 2-1/2 inch and smaller: Single roller supports for piping subject to expansion and contraction; 3-sided channels and pipe clamps.
3. Sizes 3 inch and larger: Rollers, clevis hangers, or band hangers, to allow for expansion and contraction without movement of the bases or framing.

E. Accessories: Clamps, bolts, nuts, washers, and other devices as required.

1. Carbon Steel: Hot dip galvanized in accordance with ASTM A153/A153M.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that roofing system is complete and that roof surfaces are smooth, flat, and ready to receive work of this section.
- B. Verify that roof surface temperature is at minimum 60 degrees F, for proper adhesive performance.

3.2 PREPARATION

- A. Clean surfaces of roof in areas to receive portable support bases.
 1. Sweep loose gravel from gravel surfaced roofs.

2. Remove dirt, dust, oils, and other foreign materials.
- B. Use care in handling portable support system components during installation, to avoid damage to roofing, flashing, equipment, or related materials.

3.3 INSTALLATION

- A. Pipe, Cable, and Equipment Support Systems:
 1. Locate bases and support framing as indicated on drawings and as specified herein. Provide support of piping, ducts, and conduit, whether or not required devices are shown.
 2. The use of wood for supporting piping is not permitted.
 3. Provide supports spaced so deflection of piping does not exceed 1/240 of span.
 4. Install framing at spacing indicated, but in no case at greater than 10 feet on center.
 5. Accurately locate and align bases.
 - a. Consult manufacturer of roofing system as to the type of isolation pads required between the roof and base.
 - b. Set isolation pads in adhesive if required by manufacturer's instructions.
 - c. Place bases on isolation pads.
 - d. Adhere or mechanically attach if required by code.
 - e. Where applicable, replace gravel around bases.
 6. Set framing posts into bases and assemble framing structure as indicated.
 7. Use galvanized fasteners for galvanized framing and stainless steel fasteners for stainless steel framing.

3.4 FIELD QUALITY CONTROL

- A. Provide a factory-trained representative of the manufacturer to visit the site while the work is in progress to assure that the installation conforms to the design requirements and the manufacturer's installation requirements.

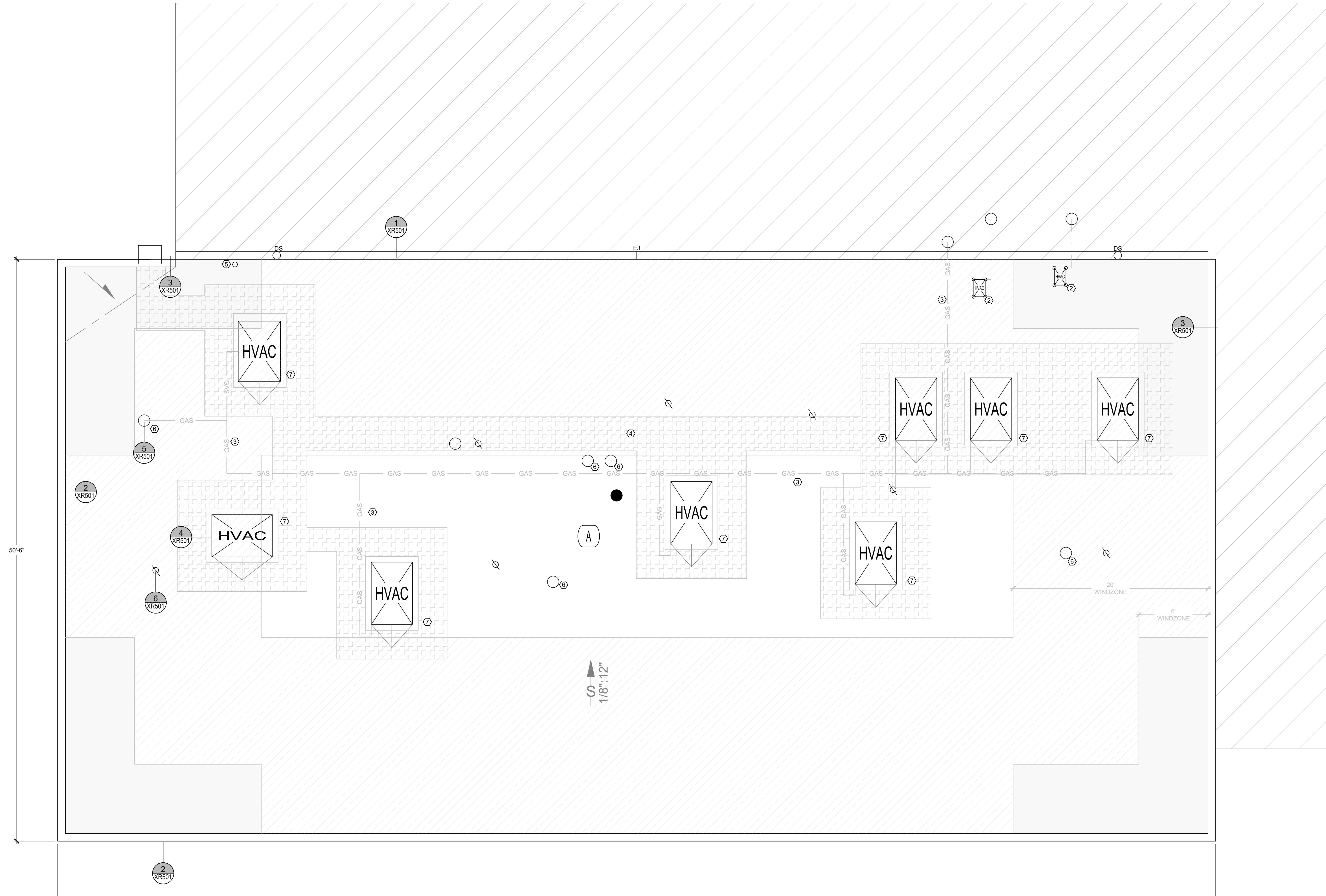
3.5 PROTECTION

- A. Provide protection as required to leave the work area in undamaged condition at the time of completion of work.

3.6 CLEANING

- A. Remove packaging, unused fasteners, adhesive and other installation materials from the project site.
- B. Remove adhesive from exposed surfaces of supports and bases and leave the work in clean condition.

END OF SECTION



WIND UPLIFT SUMMARY

ASCE 7-16		
ULTIMATE DESIGN WIND SPEED	115 MPH	
RISK CATEGORY	II	
EXPOSURE	C	
ENCLOSURE	ENCLOSED	
	ULTIMATE WIND UPLIFT PRESSURES (PSF)	MIN. EXPECTED WIND UPLIFT PRESSURES (PSF) (SUSTAINABLE UP TO 1.25 SF)
ZONE 1 - FIELD	-52 PSF	-65 PSF
ZONE 2 - PERIMETER	-68 PSF	-85 PSF
ZONE 3 - CORNER	-93 PSF	-117 PSF

WIND ZONES

ZONE 1 (FIELD)
ZONE 2 (PERIMETER)
ZONE 3 (CORNER)

GENERAL NOTES:

1. THESE DOCUMENTS ARE THE PROPERTY OF REI ENGINEERS, INC. (REI) AND REI RETAINS ALL RIGHTS THEREIN INCLUDING COPYRIGHTS. IT MAY ONLY BE USED IN ACCORDANCE WITH THE CONTRACTUAL AGREEMENTS RIGHTS WHILE REI IS PROVIDING SERVICE FOR THE SPECIFIC PROJECT IDENTIFIED OR REFERRED TO HEREIN OR EXTENSIONS THERETO. IT MAY NOT BE USED FOR ANY OTHER PURPOSE EXCEPT WITH THE EXPRESS WRITTEN AGREEMENT OF, AND COMPENSATION TO, REI ENGINEERS, INC.
2. DIMENSIONS, DETAIL COMPONENTS AND EQUIPMENT PENETRATION LOCATIONS ARE FOR INFORMATION ONLY. CONTRACTOR IS RESPONSIBLE TO FURNISH VERIFY ALL INFORMATION PROVIDED.
3. ONLY ONE DETAIL INDICATOR MAY BE SHOWN FOR EACH TYPE OF ROOF PENETRATION. ALL OTHER SIMILAR PENETRATIONS ARE TO BE FLASHED AS REQUIRED BY THE TYPE OF DETAIL INDICATOR, UNLESS OTHERWISE NOTED.
4. NOTES ARE INTENDED TO PROVIDE TYPICAL LOCATIONS OF WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO QUANTIFY ALL LOCATIONS.

Sheet Notes:

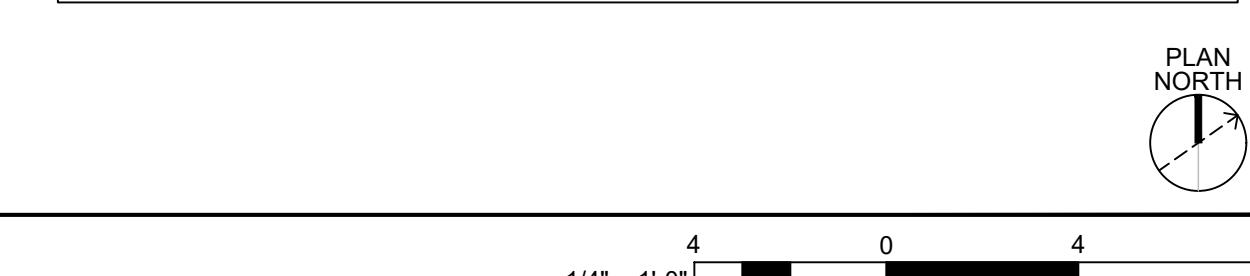
1. REMOVE ABANDONED PENETRATION AND REPAIR ROOF DECK.
2. PROVIDE NEW 4" PLASTIC NON-PENETRATING EQUIPMENT SUPPORTS.
3. REPLACE EXISTING EXTERIOR GAS LINE WORK INCLUDING VALVES AND REGULATORS. PROVIDE MINIMUM 8" FLASHING HEIGHT AT ROOF.
4. PROVIDE WALKPAD WHERE INDICATED ON DRAWING.
5. INSTALL FREESTANDING FROST RESISTANT HYDRANT FOR HOSE CONNECTION AT ROOF.
6. REPLACE RUSTED CAPS AT EXHAUST SLEEVES.
7. EXTEND PVC CONDENSATE LINES TO THE GUTTER.

KEY:

- ROOF EDGE
- PARAPET WALL
- GUTTER EDGE
- STRUCTURAL SLOPE
- CONDUIT
- SOIL PIPE
- PIPE PENETRATION
- HVAC UNIT
- MECHANICAL CURB
- WALKPAD
- PIPE LADDER
- NOT IN CONTRACT
- ELEVATION CHANGE
- ROOF AREA INDICATOR
- NOTE NO.
- DETAIL INDICATOR

ABBREVIATION LIST:	MIN.	MINIMUM
AB. ABANDONED	N.I.C.	NOT IN CONTRACT
ALUM. ALUMINUM	NOM.	NOMINAL
BLDG. BUILDING	N.T.S.	NOT TO SCALE
CJ. CONTROL JOINT	O.C.	ON CENTER
DS. DOWNSPOUT	OF	OVERFLOW
EJ. EXPANSION JOINT	PS	PRESSURE SENSITIVE
EPDM EPICHLOROHYDROCARBON POLYDIETHYL PROPYLENE DIENE	PVC	POLYVINYL CHLORIDE
EX. EXISTING	RPLC.	REPLACEMENT
GALV. GALVANIZED	S.F.	SQUARE FEET
GA. GAUGE	S.S.	STAINLESS STEEL
HT. HEIGHT	SIM.	SIMILAR
MAX.	TERM.	TERMINATE/TERMINATION
	TYP.	TYPICAL

BUILDING CODE REFERENCE:
2024 NCSC: BUILDING CODE
2018 NCSC: ENERGY CONSERVATION CODE
2024 NCSC: EXISTING BUILDING CODE
2024 NCSC: FIRE PREVENTION CODE
2024 NCSC: FUEL GAS CODE
2024 NCSC: MECHANICAL CODE
2024 NCSC: PLUMBING



Sheet Number

ROOF PLAN

XR101