NEOMED

KEE Thermoplastic Roofing System
Roofs 26, 27, 35 & 37
Bid Package

Prepared By:

Northeast Ohio
MEDICAL UNIVERSITY

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Document 00 10 00 - Solicitation (General Contracting / Paper Bid)
State of Ohio Standard Requirements for Public Facility Construction

Sealed bids will be received by:

NEOMED
Department of Campus Operations
attn: Dale Hluch
4209 State Route 44
Rootstown, OH 44272

for the following Project:

Roof Replacement
Roofs 26, 27, 35 & 37
NEOMED
Rootstown, Portage County

in accordance with the Contract Documents prepared by:

NEOMED
4209 State Route 44
Rootstown, OH 44272
(330) 325-6191
Dale Hluch
dhluch@neomed.edu

Bidders may submit requests for consideration of a proposed Substitution for a specified product, equipment, or service to the Architect/Engineer ("A/E") no later than 10 days prior to the bid opening. Additional products, equipment, and services may be accepted as approved Substitutions only by written Addendum.

From time to time, the Commission issues new editions of the "State of Ohio Standard Requirements for Public Facility Construction" and may issue interim changes. Bidders must submit Bids that comply with the version of the Standard Requirements included in the Contract Documents.

Prevailing Wage rates and Equal Employment Opportunity requirements are applicable to this Project.

This Project is subject to the State of Ohio's Encouraging Diversity, Growth, and Equity ("EDGE") Business Development Program. A Bidder is required to submit with its Bid and with its Bidder's Qualifications form, certain information about the EDGE-certified Business(es) participating on the Project with the Bidder. Refer to **Section 6.1.11** of the **Instructions to Bidders**.

The EDGE Participation Goal for the Project is **5.0 percent**.

The percentage is determined by the contracted value of goods, services, materials, and labor that are provided by EDGE-certified Business(es). The participation is calculated on the total amount of each awarded contract. For more information about EDGE, contact the State of Ohio Department of Development at http://development.ohio.gov/business; or by telephone at (800) 848-1300.

The Bidder must indicate on the Bid Form, in the spaces provided or by attachment, the locations where its services will be performed, in accordance with the requirements of Executive Order 2019-12D related to providing services only within the United States. The Bidder must also affirm its compliance with Executive Order 2022-02D prohibiting purchases from or investment in any Russian institution or company. Failure to do so may cause the Bid to be rejected as non-responsive.

DOMESTIC STEEL USE REQUIREMENTS AS SPECIFIED IN OHIO REVISED CODE SECTION 153.011 APPLY TO THIS PROJECT. COPIES OF OHIO REVISED CODE SECTION 153.011 CAN BE OBTAINED FROM ANY OF THE OFFICES OF THE OHIO FACILITIES CONSTRUCTION COMMISSION.

Bidders are encouraged to be enrolled in and to be in good standing in a Substance Use Prevention and Recovery ("SUPR") Program approved by the Ohio Bureau of Workers' Compensation ("OBWC") prior to submitting a Bid and provide, on the Bid Form with its Bid, certain information relative to their enrollment in such a program; and, if awarded a Contract, shall comply with other SUPR criteria described in **Section 1.6** of the **General Conditions**.

Bids will be received for roof replacement until **Wednesday, November 4, 2026 at 2:00 p.m.** when all Bids will be opened and read aloud.

All Bidders are strongly encouraged to attend the Pre-Bid Meeting on **Wednesday, October 21, 2026 at 10:00 a.m.** at the Office of Campus Operations. A site tour will follow the meeting.

The Contractor is responsible for scheduling the Project, coordinating the Subcontractors, and providing other services identified in the Contract Documents.

The Contract Documents are available for purchase from **NEOMED – Office of Campus Operations - 4209 State Route 44, Rootstown, OH 44272**, (330) 325-6191 at the non-refundable cost plus shipping, if requested.

The Contract Documents may be reviewed for bidding purposes without charge during business hours at the office of the Contracting Authority.

Builder's Exchange of East Central Ohio
5080 Aultman Road
North Canton, Ohio 44720
Phone: (330) 452-8039
Contact: Heather Chapman
E-mail: hchapman@buildersexchange.org
Website: www.mybx.org

END OF DOCUMENT

Document 00 41 13 - Bid Form (General Contracting Project)
State of Ohio Standard Requirements for Public Facility Construction

Sealed bids will be received by NEOMED at the Department of Campus Operations, 4209 State Route 44, Rootstown, OH 44272 for:

NEOMED
Roof Replacement – Roofs 26, 27, 35 & 37

at

NEOMED
4209 State Route 44
Rootstown, OH 44272
Portage County

for the

NEOMED
Department of Campus Operations
4209 State Route 44
Rootstown, OH 44272

The time for Substantial Completion of all Work is **5:00 p.m. on Monday, August 2, 2027**.

Having read and examined the proposed Contract Documents prepared by the Architect/Engineer for the above-referenced Project and the following Addenda:

Addendum Number	Date Received
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

The undersigned Bidder proposes to perform all Work for the applicable Contract in accordance with the proposed Contract Documents, for the following sum(s):

Bid Package 101 – GENERAL CONTRACT

BASE BID (Including Allowances and Subtotal of Unit Price Extensions above):

ALL LABOR AND MATERIALS, for the sum of $ _____

Sum in words: _____

_____ and _____ /100 dollars.

UNIT PRICES (Include the subtotal of Unit Price extensions in the Base Bid below. Unit prices shall be used solely for the purpose of determining the adjustment to the Contract Sum for differences between the estimated quantities on the Bid Form and the actual quantities provided. The Contractor's Fee on account of Unit Price Work is included in the Base Bid and not in the Unit Price.)

Item	Description	Unit Price	/	Unit of Measure	Extension
Unit Price U-1	**Metal Deck Replacement**	$ _____	/	**SF**	$ _____
Unit Price U-2	**Metal Deck Repair**	$ _____	/	**SF**	$ _____
Unit Price U-3	**Insulation Replacement**	$ _____	/	**SF**	$ _____
Unit Price U-4	**Roof Drain Replacement**	$ _____	/	**each**	$ _____
Unit Price U-5	**Drain Collar & Dome Replacement**	$ _____	/	**each**	$ _____
Unit Price U-6	**Wood Blocking or Nailer Replacement**	$ _____	/	**LF**	$ _____
	SUBTOTAL OF UNIT PRICE EXTENSIONS:				$ _____

-- remainder of page left blank intentionally --

BIDDER AFFIRMATION AND DISCLOSURE

Bidder acknowledges that by signing the Bid Form on the Bidder Signature and Information page, that it has read and understands the applicable Executive Orders regarding the prohibitions of performance of offshore services, locating State data offshore in any way, or purchasing from Russian institutions or companies. If awarded a Contract, the Bidder will become the Contractor and affirms that both the Contractor and its Subcontractors shall perform no services requested under this Contract outside of the United States.

The Bidder shall provide the locations where services under this Contract will be performed in the spaces provided below or by attachment. Failure to provide this information as part of its Bid may cause the Bidder to be deemed non-responsive and no further consideration will be given to its Bid. If the Bidder will not be using Subcontractors, indicate "Not Applicable" in the appropriate spaces.

1. Principal business location of Contractor:

(Contractor Address)	(City, State, Zip)

Name / Principal location of business of Subcontractor(s), if known at time of Bid Opening:

(Subcontractor Name)	(Address, City, State, Zip)
(Subcontractor Name)	(Address, City, State, Zip)
(Subcontractor Name)	(Address, City, State, Zip)
(Subcontractor Name)	(Address, City, State, Zip)

2. Location where services will be performed by Contractor (Project Sites):

(Address)	(City, State, Zip)
(Address)	(City, State, Zip)

Name(s) / Location(s) where services will be performed by Subcontractors (Project Sites):

(Subcontractor Name)	(Address, City, State, Zip)
(Subcontractor Name)	(Address, City, State, Zip)
(Subcontractor Name)	(Address, City, State, Zip)
(Subcontractor Name)	(Address, City, State, Zip)

3. Location where State data will be located by Contractor:

(Address)	(City, State, Zip)

Locations where State data will be located by Subcontractor(s), if known at time of Bid Opening:

(Subcontractor Name)	(Address, City, State, Zip)
(Subcontractor Name)	(Address, City, State, Zip)
(Subcontractor Name)	(Address, City, State, Zip)
(Subcontractor Name)	(Address, City, State, Zip)
(Subcontractor Name)	(Address, City, State, Zip)

Bidder also affirms, understands and agrees that Bidder and its subcontractors are under a duty to disclose to the State any change or shift in location of services performed by Bidder or its subcontractors before, during and after execution of any Contract with the State. Bidder agrees it shall so notify the State immediately of any such change or shift in location of its services. The State has the right to immediately terminate the contract, unless a duly signed waiver from the State has been attained by the Bidder to perform the services outside the United States.

On behalf of the Bidder, I acknowledge that I am duly authorized to execute this Bid Form including this Bidder Affirmation and Disclosure form and have read and understand that this form is a part of any Contract that Bidder may enter into with the State and is incorporated therein.

COMMITMENT TO PARTICIPATE IN THE EDGE BUSINESS ASSISTANCE PROGRAM

Bidder: Mark only one option.
Use "✓" or "X" to mark option included in Bid
If marking Option B, also show percentage of proposed participation.

___ **Option A**

Bidder commits to *meet or exceed* the advertised EDGE Participation Goal of **the Contract award amount,** calculated as a portion of the Base Bid plus all accepted Alternates, by using certified EDGE Business Enterprise(s).

Bidder agrees that if selected for consideration of the Contract, it shall provide (if not provided with the Bidder's Bid) to the Contracting Authority, at the location required and within 3 business days after receiving notice from the Contracting Authority, its fully completed ***Bidder's Qualification Form***, including an ***EDGE Affadavit*** form for each certified EDGE Business Enterprise proposed for use by the Bidder if awarded the Contract for this Project.

___ **Option B (also indicate percentage -- see text)**

Bidder *does not meet* the advertised EDGE Participation Goal percentage, but, if awarded the Contract for this Project, *commits to provide* _____ **percent of the Contract award amount**, calculated as a portion of the Base Bid plus all accepted Alternates, by using certified EDGE Business Enterprise(s).

Bidder acknowledges it understands the requirement for it to provide and agrees to provide to the Contracting Authority, if selected for consideration of the Contract, within 3 business days after notice from the Contracting Authority, a detailed ***Demonstration of Good Faith*** form describing its efforts undertaken prior to submitting its Bid to meet the advertised EDGE Participation Goal percentage for the Contract for this Project.

Bidder commits to provide to the Contracting Authority at the location required, and within 3 days after receiving notice from the Contracting Authority, its fully completed ***Bidder's Qualification Form***, including an ***EDGE Affadavit*** form for each certified EDGE Business Enterprise proposed for use by the Bidder if awarded the Contract for this Project.

___ **Option C**

Bidder declares that the Bidder is a certified EDGE Business Enterprise and that if awarded this Contract, the EDGE Participation percentage will be 100 percent of the Contract award amount.

BIDDER'S CERTIFICATIONS

The Bidder hereby acknowledges that the following representations in this Bid are material and not mere recitals:

1. The Bidder has read and understands the proposed Contract Documents and agrees to comply with all requirements of the proposed Contract Documents, regardless of whether the Bidder has actual knowledge of the requirements and regardless of any statement or omission made by the Bidder, which might indicate a contrary intention.

2. The Bidder represents that the Bid is based upon the Basis of Design and Acceptable Components specified by the proposed Contract Documents.

3. The Bidder has visited the Site, become familiar with local conditions, and has correlated personal observations about the requirements of the proposed Contract Documents. The Bidder has no outstanding questions regarding the interpretation or clarification of the proposed Contract Documents.

4. The Bidder understands that the execution of the Project will require sequential, coordinated, and interrelated operations, which may involve interference, disruption, hindrance, or delay in the progress of the Bidder's Work. The Bidder agrees that the Contract Sum, as amended from time to time, shall cover all amounts due from the State resulting from interference, disruption, hindrance, or delay that is not caused by the State or its agents and employees. The Bidder agrees that any such interference, disruption, hindrance, or delay is within the contemplation of the Bidder and the State and that the Contractor's sole remedy from the State for any such interference, disruption, hindrance, or delay shall be an extension of time in accordance with the proposed Contract Documents.

5. During the performance of the Contract, the Bidder agrees to comply with Ohio Administrative Code ("OAC") Chapters 123:2-3 through 123:2-9 and agrees to incorporate the monthly reporting provisions of OAC Section 123:2-9-01 into all subcontracts on the Project, regardless of tier. The Bidder understands the State's Equal Opportunity Coordinator or the Contracting Authority may conduct pre-award and post-award compliance reviews to determine if the Bidder maintains nondiscriminatory employment practices, maintains an affirmative action program, and is exerting good faith efforts to accomplish the goals of the affirmative action program. For a full statement of the rules regarding Equal Employment Opportunity in the Construction Industry, see OAC Chapters 123:2-1 through 123:2-9.

6. The Bidder and each Person signing on behalf of the Bidder certifies, and in the case of a Bid by a joint venture each member thereof certifies as to such member's entity, under penalty of perjury, that to the best of the undersigned's knowledge and belief: **(a)** the Base Bid, any Unit Prices, and any Alternate bid in the Bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition as to any matter relating to such Base Bid, Unit Prices or Alternate bid with any other Bidder; **(b)** unless otherwise required by law, the Base Bid, any Unit Prices and any Alternate bid in the Bid have not been knowingly disclosed by the Bidder and shall not knowingly be disclosed by the Bidder prior to the bid opening, directly or indirectly, to any other Bidder who would have any interest in the Base Bid, Unit Prices or Alternate bid; **(c)** no attempt has been made or shall be made by the Bidder to induce any other Person to submit or not to submit a Bid for the purpose of restricting competition.

7. The Bidder understands that the Contract is subject to all the provisions, duties, obligations, remedies and penalties of Ohio Revised Code Chapter 4115 and that the Bidder shall pay any wage increase in the locality during the term of the Contract.

8. The Bidder shall execute the Agreement with the Contracting Authority, if a Contract is awarded on the basis of this Bid, and if the Bidder does not execute the Agreement for any reason, other than as authorized by law, the Bidder and the Bidder's Surety are liable to the State as provided in **Article 5** of the Instructions to Bidders.

9. The Bidder certifies that the upon the award of a Contract, as the Contractor it shall make a good faith effort to ensure that all of the Contractor's employees, while working on the Site, shall not purchase, transfer, use, or possess illegal drugs or alcohol or abuse prescription drugs in any way.

10. The Bidder acknowledges that it read all of the **Instructions to Bidders**, and in particular, **Section 2.10** - Submittals With Bid Form, and by submitting its Bid certifies that it has read the Instructions to Bidders and it understands and agrees to the terms and conditions stated in them.

11. The Bidder agrees to furnish any information requested by the Contracting Authority or Architect/Engineer to evaluate the responsibility of the Bidder.

12. The Bidder agrees to furnish the submittals required by **Section 6.1** of the **Instructions to Bidders** for execution of the Agreement within 10 days of the date of the Notice of Intent to Award.

13. When the Bidder is a corporation, partnership or sole proprietorship, an officer, partner or principal of the Bidder, as applicable, shall print or type the legal name of the Bidder on the line provided, and **sign the Bid Form**.

14. When the Bidder is a joint venture, an officer, partner or principal, as applicable, of each member of the joint venture shall print or type the legal name of the applicable member on the line provided, and **sign the Bid Form**.

15. Bidder acknowledges that by signing the Bid Form on the following Bidder Signature and Information page that it is signing the actual Bid and when submitted as a part of its bid package, shall serve as the Bidder's authorization for the further consideration and activity in the bidding and contract process.

16. All signatures must be original.

-- remainder of page left blank intentionally --

BIDDER SIGNATURE AND INFORMATION

Bidder's Authorized Signature: _____

Please print or type the following:

Name of Bidder's Authorized Signatory _____

Title: _____

Company Name: _____

Mailing Address: _____

_____

Telephone Number: _____

Facsimile Number: _____

Email Address: _____

State of Incorporation: _____

Federal Tax ID Number: _____

Date enrolled in an OBWC-approved DFSP (month/date/year): _____ / _____ / _____

Contact person for Contract processing: _____

President's or Chief Executive Officer's Name / Title: _____

JOINT VENTURE ADDITIONAL BIDDER SIGNATURE & INFORMATION

Joint Venture Bidder's Authorized Signature: _____

Please print or type the following:

Name of Joint Venture Bidder's Authorized Signatory _____

Title: _____

Company Name: _____

Mailing Address: _____

_____

Telephone Number: _____

Facsimile Number: _____

Email Address: _____

State of Incorporation: _____

Federal Tax ID Number: _____

Date enrolled in an OBWC-approved DFSP (month/date/year): _____ / _____ / _____

Contact person for Contract processing: _____

President's or Chief Executive Officer's Name / Title: _____

END OF DOCUMENT

Document 00 43 13 - Bid Security Form
State of Ohio Standard Requirements for Public Facility Construction

(Form of combined Bid Guaranty and Bond prescribed by Ohio Revised Code Section 153.571)

KNOW ALL PERSONS BY THESE PRESENTS, that we, the undersigned _____

_____, as Principal,

and _____ as Sureties,

are hereby held and firmly bound unto _____

_____ as Obligee(s), in the penal sum of the dollar amount of the Bid submitted by the Principal

to the Obligee on _____ (date) to undertake the Project known as:

Project Number: **NEOMED - 2027**

Project Name: **Roofs 26, 27, 35 & 37**

Contract Description: **Roof Replacement**
(e.g., General Contractor/Trades, Plumbing, HVAC, Electrical)

The penal sum, referred to herein, shall be the dollar amount of the Principal's Bid to the Obligee, incorporating any additive alternate Bids made by the Principal on the date referred to above to the Obligee, which are accepted by the Obligee. In no case shall the penal sum exceed the amount of dollars ($_____). (If the preceding line is left blank, the penal sum will be the full amount of the Principal's Bid, including add alternates. Alternatively, if completed, the amount stated shall not be less than the full amount of the Bid, including Alternates, in dollars and cents. A percentage is not acceptable.) For the payment of the penal sum well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas the above-named Principal has submitted a Bid for the above referenced Project;

NOW, THEREFORE, if the Obligee accepts the Bid of the Principal, and the Principal fails to enter into a proper contract in accordance with the Bid, Plans, Specifications, details, and bills of material; and in the event the Principal pays to the Obligee the difference, not to exceed ten percent of the penal sum hereof between the amount specified in the Bid and such larger amount for which the Obligee may in good faith contract with the Bidder determined by the Obligee to be the next lowest responsive and responsible to perform the Work covered by the Bid; or in the event the Obligee does not award the Contract to such next lowest responsive and responsible Bidder and resubmits the Project for bidding, the Principal pays to the Obligee the difference not to exceed ten percent of the penal sum hereof between the amount specified in the Bid, or the costs, in connection with the resubmission, of printing new Contract Documents, required advertising and printing and mailing notices to prospective Bidders, whichever is less, then this obligation shall be null and void, otherwise to remain in full force and effect. If the Obligee accepts the Bid of the Principal, and the Principal, within 10 days after the awarding of the Contract, enters into a proper contract and executes the Agreement Form in accordance with the Contract Documents, including without limitation the Bid, Plans, Specifications, details, and bills of material, which said Contract is made a part of this Bond the same as though set forth herein; and

NOW ALSO, IF THE SAID Principal shall well and faithfully perform each and every condition of such Contract; and indemnify the Obligee against all damage suffered by failure to perform such Contract according to the provisions thereof and in accordance with the Contract Documents, including without limitation Plans, Specifications, details, and bills of material therefore; and shall pay all lawful claims of Subcontractors, Material Suppliers and laborers for labor performed and materials furnished in the carrying forward, performing or completing of said Contract; we, agreeing and assenting that this undertaking shall be for the benefit of any Subcontractor, Material Suppliers or laborer having a just claim, as well as for the Obligee herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

THE SAID Surety hereby stipulates and agrees that no modifications, omissions or additions, in or to the terms of said Contract, the Work thereunder or the Contract Documents, including without limitation the Plans and Specifications, therefore, shall in any way affect the obligations of said Surety on its bond, and it does hereby waive notice of any such modifications, omissions or additions in or to the terms of the Contract, the Work, or the Contract Documents, including without limitation the Plans and Specifications.

SIGNED AND SEALED this _____ day of _____ , _____ .

PRINCIPAL:

_____
Signature

By: _____
Name

_____
Title

SURETY:

_____
Signature

By: _____
Attorney-in-Fact

SURETY INFORMATION:

_____
Name

_____
Address 1

_____
Address 2

_____
City State Zip

_____
Telephone

_____
Email

SURETY AGENT'S INFORMATION:

_____
Name

_____
Address 1

_____
Address 2

_____
City State Zip

_____
Telephone

_____
Email

END OF DOCUMENT

Document 00 45 13 - Bidder's Qualifications
State of Ohio Standard Requirements for Public Facility Construction

Project Number: NEOMED - 2027

Project Name: Roofs 26, 27, 35 & 37

1. Company Name: _____

Physical Address: _____
Street, Building, Unit

_____
City, State, Zip

Mailing Address (if different): _____
P.O. Box

_____
City, State, Zip

Telephone Number (w/ Area Code): (_____) _____

Fax Number (w/ Area Code): (_____) _____

Email address: _____

2. Overall Experience. Indicate Bidder's overall experience performing the trades bid, including the years in business performing the trade under present and former business names.

3. Financial. The apparent low Bidder shall submit, upon request of the Contracting Authority, either:

a) An annual financial statement prepared within the 12 months prior to the bid opening by an independent licensed accounting firm; and the name, address, contact person and phone number of the bank normally used by the Bidder for its primary banking; or,

b) A financial report generated within 30 days prior to the bid opening from Standard and Poor, Dun and Bradstreet or a similar company acceptable to the Contracting Authority documenting the financial condition of the Bidder; and the name, address, contact person and phone number of the bank normally used by the Bidder for its primary banking;

This information is not a public record under Ohio Revised Code Section 149.43; and shall remain confidential, except under proper order of a court.

4. **Facilities & Equipment**. Indicate Bidder's relevant facilities and major equipment (leased or owned).

5. **Ongoing & Relevant Projects.** List all ongoing projects and projects completed in the last 5 years, which are similar in cost and type to the Project. Include scope of Work, Contract value, a description of EDGE participation and performance, and project name/contact person/address/phone number for each owner and the architect or engineer for each project.

6. **Regulatory / Contractual.** Indicate all occurrences of the following in the last 5 years (indicate if none). For verification, attach documentation, and/or provide sufficient and appropriate detail information such as: project name, owner, contact person and phone number, amount of contract, etc.

    a) State or federal Prevailing Wage violations or judgments

    b) EDGE program violations

    c) Contract abandonment, contract termination, as either a prime- or sub-contractor, or Surety takeover

    d) Debarment by state, federal, or local jurisdictions

e) EPA/OSHA violations

f) Liquidated damages and Statutory Delay Forfeiture assessed

g) Drug-Free Safety Program and Drug Free Workplace Program violations (currently titled ***Substance Use Prevention and Recovery Program)***

7. Management. Identify individuals assigned to this Project.

Principal _____ Years with firm _____ Total Exp._____

Project Manager _____ Years with firm _____ Total Exp._____

Field Superintendent _____ Years with firm _____ Total Exp._____

8. EDGE Participation. Identify EDGE-certified Business Enterprises proposed as Subcontractors and Material Suppliers for this Project. Attach a fully completed Document 00 45 39 - "EDGE Affidavit" for each EDGE-certified Business Enterprise.

9. Certification. I hereby certify that the information in this entire Bidder's Qualifications form, including all attachments and referenced information, is factual and complete.

Company Name _____

Authorized Official (please print or type) _____

Signature of Authorized Official _____ Date _____

END OF DOCUMENT

Document 00 45 39 – EDGE Affidavit

State of Ohio Standard Requirements for Public Facility Construction

EDGE PARTICIPATION

Statement of Intent to Contract and Perform

Bidder or Proposer: submit one fully completed form for each EDGE-certified Business

Project Name _____ Project Number _____

Bidder or Proposer Name _____ Federal Tax I.D. _____

Mark the type of contract:

☐ Multi-Prime Contract ☐ General Contract ☐ CM at Risk Contract ☐ Design-Build Contract

---

EDGE-certified Business information (for contract at any tier)

EDGE Business Name _____ Contact Person _____

EDGE Business Address _____ Phone _____

EDGE City, State ZIP _____ E-mail _____

EDGE Certification No. _____ Federal Tax I.D. _____

Mark all that apply:

☐ Subcontractor ☐ Professional Services ☐ Goods & Services

Describe the materials, labor, services, supplies, etc. to be provided by the EDGE-certified Business (may use industry codes – continue on separate page if needed):

_____

_____

_____

Certification of Intent by EDGE-Certified Business and by the Bidder or Proposer

The Bidder or Proposer certifies that it intends to contract with the EDGE-certified Business for the portion of the contract described above related to its Contract for this Project and for the estimated cost shown below. The EDGE-certified Business certifies that it intends to contract with the Bidder or Proposer and intends to provide the portion of the contract described above for this Project for the estimated cost of:

_____ Dollars ($_____).

If the Bidder or Proposer is not awarded a Contract, this Statement of Intent shall be null and void.

EDGE-certified Business	***Bidder or Proposer***
_____	_____
Authorized Signature	Authorized Signature
_____	_____
Name	Name
_____	_____
Title	Title
_____	_____
Date Signed	Date Signed

Document 00 61 13 - Performance and Payment Bond Form
State of Ohio Standard Requirements for Public Facility Construction

(Form of Bond prescribed by Ohio Revised Code Section 153.57 - Not to be used as Bid Guaranty)

KNOW ALL PERSONS BY THESE PRESENTS, that we, the undersigned _____ _____, as Principal, and _____ as Sureties, are hereby held and firmly bound unto _____ _____ as Obligee(s), in the penal sum of _____ dollars, for the payment of which well and truly to be made, we jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

SIGNED AND SEALED this _____ day of _____, _____.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas the above-named Principal did on the _____ day of _____, _____, enter into a Contract with the Obligee, which said Contract is made a part of this Bond the same as though set forth herein and which is more fully described as:

Project Number: NEOMED - 2027

Project Name: Roofs 26, 27, 35 & 37

Contract Description: Roof Replacement
(e.g., General Trades, Plumbing, HVAC, Electrical)

NOW, THEREFORE, if the above-named Principal shall well and faithfully do and perform the things agreed by the Obligee to be done and performed according to the terms of said Contract; and shall pay all lawful claims of Subcontractors, Material Suppliers, and laborers, for labor performed and materials furnished in the carrying forward, performing, or completing of said Contract; we agreeing and assenting that this undertaking shall be for the benefit of any Subcontractor, Material Supplier or laborer having a just claim as well as for the Obligee herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Sureties for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

THE SAID Surety hereby stipulates and agrees that no modifications, omissions, or additions, in or to the terms of the said Contract or in or to the Plans and Specifications therefor shall in any wise affect the obligations of said Surety on its bond, and it does hereby waive notice of any such modifications, omissions or additions in or to the terms of the Contract, the Work or the Contract Documents, including without limitation the Plans and Specifications.

PRINCIPAL:

_____
Principal Signature

By: _____

Title: _____

SURETY:

_____
Surety Signature

By: _____
Attorney-in-Fact

SURETY INFORMATION:

_____
Street

_____
City State Zip

_____
Telephone Number

SURETY AGENT'S INFORMATION:

_____
Agency Name

_____
Street

_____
City State Zip

_____
Telephone Number

_____
Email Address

END OF DOCUMENT

Document 00 73 43 - Wage Rate Requirements
State of Ohio Standard Requirements for Public Facility Construction

PREVAILING WAGE RATES

1.1 Payment of Prevailing Wage Rates

1.1.1 The Contractor shall pay the prevailing wage rates of the Project locality, as issued by the Ohio Department of Commerce, Wage and Hour Bureau to laborers and mechanics performing Work on the Project.

1.1.2 The Contractor shall comply with the provisions, duties, obligations, and is subject to the remedies and penalties of ORC Chapter 4115.

1.1.3 If the Contractor or its Subcontractors fail to comply with ORC Chapter 4115, the Contracting Authority may withhold payment pursuant to **Section 9.8.2.5** of the **General Conditions**. The Contractor is liable for violations committed by the Contractor or its Subcontractors to the extent provided in ORC Chapter 4115.

1.1.4 The Contractor shall submit all payroll reports in compliance with the requirements of **Section 1.2** for all employees of the Contractor and of the Contractor's Subcontractors.

1.1.5 By executing a Contract, the Contractor certifies that it based its Bid upon the prevailing rates of wages as ascertained by the Ohio Department of Commerce, Wage and Hour Bureau for the Project as provided in ORC Sections 4115.03 through 4115.14, which are inserted at the end of this Document.

1.2 Prevailing Wage Rate Revisions

1.2.1 The Contracting Authority shall, within 7 business days after receipt of a notice of a change in the prevailing wage rates, notify the Contractor of the change. The prevailing wage rates are available at the Ohio Department of Commerce's web site: https://pwr.com.ohio.gov/.

1.2.2 The Contractor shall pay any revised wage rates issued during the term of the Contract.

1.3 Payroll Schedule

1.3.1 Within 10 days of the date of the Notice to Proceed, the Contractor shall provide the Contracting Authority's Prevailing Wage Coordinator a schedule of dates during the term of the Contract on which wages shall be paid to employees for the Project.

1.4 Payroll Reports

1.4.1 The Contractor shall submit payroll reports with each Contractor Payment Request, which reports shall be certified by the Contractor that the payroll is correct and complete, and that the wage rates shown are not less than those required by the Contract. The Contractor is responsible for submitting all payroll reports of its Subcontractors.

1.4.1.1 Each payroll report shall indicate the period covered and include a list containing the name, address, and last four digits of the social security number of each employee of the Contractor and its Subcontractors paid for the Work.

1.4.1.2 Each payroll report shall list the number of hours each employee worked each day on the Project during the reporting period, the total hours each week on the Project, the employee's hourly rate of pay, job classification, hourly rate of fringe benefits, and all deductions from wages and net pay.

1.4.1.3 Each payroll report shall list each fringe benefit and state if it is paid as cash to the employee or to a named plan.

1.4.1.4 The Contractor and its Subcontractors shall submit apprenticeship agreements for all apprentices utilized on the Project with the first payroll report from the Contractor or its Subcontractor that includes apprentices.

END OF DOCUMENT

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 015000

TEMPORARY FACILITIES AND CONTROLS

PART 1 GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for temporary services and facilities, including such items as temporary utility services, temporary construction and support facilities, and project security and protection.

1.2 OWNER OPERATION, MAINTENANCE OF OPERATION AND SAFETY

A. The structure is currently in use by the Owner. Areas of the structure outside the limits of a particular construction area shall remain functional throughout the construction period.

B. All construction operations shall be carefully coordinated with the Owner so as to minimize the overall inconvenience to the Owner, maintain the use of all means of egress at all specified times and to expedite job progress.

C. All fumes and dust arising from construction operations shall be controlled so as to not adversely affect persons using the structure and all adjacent facilities.

D. The Contractor shall protect his Work and equipment from damage by the public and other entities occupying the structure during the construction period.

E. The Contractor shall take all necessary precautions for all Work Areas to prevent debris from falling and causing damage outside the work area, including damage to existing mechanical/electrical fixtures. The Contractor shall be held liable for all damage caused by excavation, patching, drilling, coring, cutting, sandblasting, dust and debris. The Contractor shall be held liable for all damage to mechanical/electrical fixtures systems due to construction related activities. Contractor shall be responsible for all injury to people and property, including motor vehicles, caused by any construction related activity. The Owner will endeavor to field complaints and forward same to Contractor. Contractor is responsible for contacting people or property owner and resolving complaints.

F. When Work is performed which may create a hazard to persons or property above, below or in the proximity of Work, affected areas shall be blocked or otherwise protected to eliminate the hazard. Coordinate this activity with the Owner a minimum of 4 working days prior to the requested time for performance of such work.

G. Access to all emergency egress routes outside the limits of an individual construction area shall be continuously and safely maintained. Emergency egress routes shall not be impaired due to construction activities.

H. Coordinate Work Areas with the Owner to minimize interference with normal operations.

I. The Contractor shall comply with all Federal, State and Municipal laws, codes, ordinances, and regulations applicable to the Work in this Contract and also with all requirements of the National Fire Protection Association, the National Electric Code, and the Occupational

Safety and Health Administration (OSHA). If the above laws, codes or ordinances conflict with this Specification, then the laws, codes or ordinances shall govern, except in such cases where the Specification exceeds them in quality of materials or labor, then the Specifications shall be followed.

1.3 WORK AREAS

A. The Work is divided into sections termed Work Areas. Work outside the closed Work Area is not allowed, except work permitted by the Construction Documents or authorized by the Owner.

B. The Construction limit lines are defined as the extent of the Work Areas designated on the Drawings. Areas outside the construction limits may not be used by the Contractor for staging, storage of materials, or any other purpose, except as indicated in the Construction Documents.

1.4 MATERIAL AND EQUIPMENT STORAGE AND DELIVERY

A. An area of the site will be made available to the Contractor for material and equipment storage, staging and other facilities deemed necessary by the Contractor.

B. Deliveries are to be scheduled outside normal working hours or on weekends, are to be coordinated with University's schedule for major activities, and shall not block entrance or exit to the facility by patrons or other services. Examples of major activities include, but are not limited to, commencement, football games, and exam week.

1.5 PROTECTION OF THE SURROUNDING AREA

A. All construction operations shall be conducted such as to protect the surrounding areas and adjacent buildings.

B. Fumes and dust shall also be controlled so as to prevent harmful or undesirable effects in the surrounding areas. All potential avenues for penetration of fumes or dust into occupied spaces adjacent to the work area must be located and sealed by the Contractor in a manner acceptable to the Owner prior to the start of the work in the affected area.

C. Areas below regions of construction activity may remain open for portions of that activity. However, the Contractor is totally responsible for damage as a result of the Work.

1.6 PROTECTION OF EXISTING CONDITIONS

A. All portions of the existing structure, all utilities and all other building contents not part of the work damaged, moved or altered in any way during construction shall be replaced or repaired to the Owner's satisfaction at the Contractor's expense.

B. Contractor and Owner shall conduct a preconstruction inspection of all finish materials and equipment located within the Work area to record in writing existing damaged finish materials and/or equipment not directly involved with this Contract. The Contractor shall be deemed responsible for damaged finish material and/or equipment not recorded during the preconstruction inspection. Contractor shall replace or repair to the Owner's satisfaction damaged finish material and/or equipment. It is the Contractor's responsibility to schedule and coordinate this preconstruction walk-through with the Owner. Provide a

minimum of 5 calendar days notice prior to the requested walk-through time.

C. Accidental interruptions caused by the Contractor to services outside of the work area shall be reported to the Owner at once, and immediate, emergency efforts to restore the service shall be made at the expense of the Contractor.

D. When performing work adjacent to building and structures, protect buildings and structures from dirt, dust and debris.

E. Protect drain openings during construction from construction debris entering drainage system. Provide filter cloth over openings to prevent debris from entering pipes, but still allowing water to enter. Clean debris from drains as necessary to maintain water removal. Remove drain protection during non-working hours and reinstall prior to commencing work.

1.7 TEMPORARY FACILITIES

A. Existing electric and water service shall remain at their present level of service and may be used by the Contractor. The Owner will pay for current and water used. Additional electricity and water and their service connections which may be required for construction shall be provided by the Contractor. Contractor shall verify existence and usability of listed services prior to submitting Bid. Non-listed services required by the Contractor shall be provided by the Contractor.

B. The Contractor shall provide temporary toilet facilities for use by its employees and subcontractors. Locate in an area approved by the Owner. Use of Owner facilities is not allowed.

C. Job signs are not allowed unless authorized by the Owner.

D. The Contractor shall arrange and establish a location satisfactory to the Owner where workmen may eat; provide a rubbish container, and clean and remove all debris at the end of each work day.

E. At all times when work is being performed, the Contractor's foreman shall be on-site. Both the foreman and the superintendent shall have a mobile phone or beeper with him/her at all times while on the job site. Provide the Owner with the telephone number.

F. A job site office/trailer is not required.

1.8 PARKING

A. Contractor vehicles associated with the production of the work will be required to park on adjacent streets or to pay for parking in University of Cincinnati garages.

1.9 USE OF FACILITY

A. Contractor employees are not permitted to use Owner and tenant facilities except as previously noted. Failure to comply with this restriction can result in the dismissal of the offending employee from the construction site.

B. Contractor shall access to the roof will be using the west stairs only. Coordinate with UC which building entrance is to be used to access the stairs. Use of building elevators is not permitted.

C. Except for materials being used during a work shift, store all materials in approved storage area.

D. Materials being used for work shall be uniformly distributed throughout the work area so as to not overload or otherwise distress the supported structural system.

1.10 USE OF STREETS AND WALKS

A. All use of streets and walks must be in accordance with local authorities having jurisdiction. The Contractor must coordinate such use directly with the local authorities.

B. The Contractor shall provide and maintain control device necessary for the protection of his Work, and areas which the local authorities may consider hazardous, including necessary lighting. Further, should conditions arise which necessitate the use of flagman and/or the services of the local police, the Contractor shall supply this type of control at no expense to the Owner.

C. Maintain traffic in accordance with local authority's requirements.

D. The Contractor shall provide and maintain signage, barricades, warning devices, etc. that may be necessary or required by local authorities or the Owner for the protection of pedestrians and vehicles while performing the work.

1.11 CLEANUP

A. Each Contractor or Subcontractor, upon completion of his division of the work, shall collect and remove all rubbish, surplus material, tools and scaffolding pertaining to his work, and shall keep the work area neat and orderly by periodic removal and cleanup. Crates and cartons in which materials or equipment are received shall be removed daily. Contractor shall leave each phase of the work broom-clean upon completion of that phase.

B. Each Contractor shall be responsible for daily collection and disposal of rubbish created by his materials, men and work. If this is not done, the Owner may direct that cleanup be done and the cost of same shall be deducted from the Contractor's contract.

C. Contractor shall clean surfaces of all lights, control panels, overhead piping, duct work, etc., after construction is complete, to the same level of cleanliness as surfaces were before construction.

D. Protect from damage during subsequent construction activities all new work and existing construction cleaned upon the completion of any one phase.

1.12 FIRE PROTECTION

A. It shall be the responsibility of the Contractor to take the proper precautions to prevent fires while fire-hazardous work is being performed.

B. Gasoline and other flammable liquids shall be stored in approved safety cans at all times.

1.13 WATCHMEN

A. The services of a watchman will not be provided by the Owner.

B. The Contractor shall assume full responsibility for protection and safety of material and equipment stored at the job site both within and outside of the work areas or storage areas.

1.14 ADDITIONAL REQUIREMENTS

A. During the term of this Contract, the employees of the Contractor shall not consume or be under the influence of alcohol while on the premises of the Owner. The use of nonprescription, over the counter drugs and medications (i.e., Contact, Actifed, etc.) is discouraged, but if used, manufacturer's guidelines must be followed. Drugs considered illegal by federal, state, and local authorities are strictly prohibited.

B. Owner reserves the right with or without cause and at its sole discretion, provided that such right is lawful, to have the Contractor temporarily or permanently remove any of the Contractor's employees from the Project.

C. Shutting down of existing apparatus and service lines shall be done only at times prescribed and approved by the Owner. Apparatus and service lines shall not be left out of service overnight, during non-working periods or during scheduled events.

D. Notice of temporary service interruption (or potential interruption) shall be given to the Owner and his designated representative not less than (5) working days prior to required interruption to allow adequate preparation to be made.

E. Provide the Owner with emergency telephone numbers to be able to contact the Contractor's superintendent or project manager 24 hours a day.

PART 2 PRODUCTS – NOT USED.

PART 3 EXECUTION – NOT USED.

END OF SECTION

SCOPE OF WORK

NEOMED
ROOFS 26, 27, 35 & 37

Recover:

1. Set up OSHA compliant safety equipment, as necessary.
2. Remove existing roof (ballast and EPDM) down to existing ISO.
    a. Remove wet insulation indicated on infrared scan report.
3. Install 1/2" HD Board, mechanically attached.
4. Install saddles between drains.
5. Install new 60 mil Tremply KEE, mechanically attached.
6. Remove and reinstall lightning protection.
    a. Pricing will be provided by Western Reserve Lightning Rod Co.
7. Install new shop fabricated coping metal.
8. Install new shop fabricated slip metal as needed.
9. Reuse existing copper expansion joint covers.
10. Provide a 30 Year Tremco QA Warranty.

ROOF DIAGNOSTIC SURVEY FOR

NORTHEAST OHIO MEDICAL UNIVERSITY

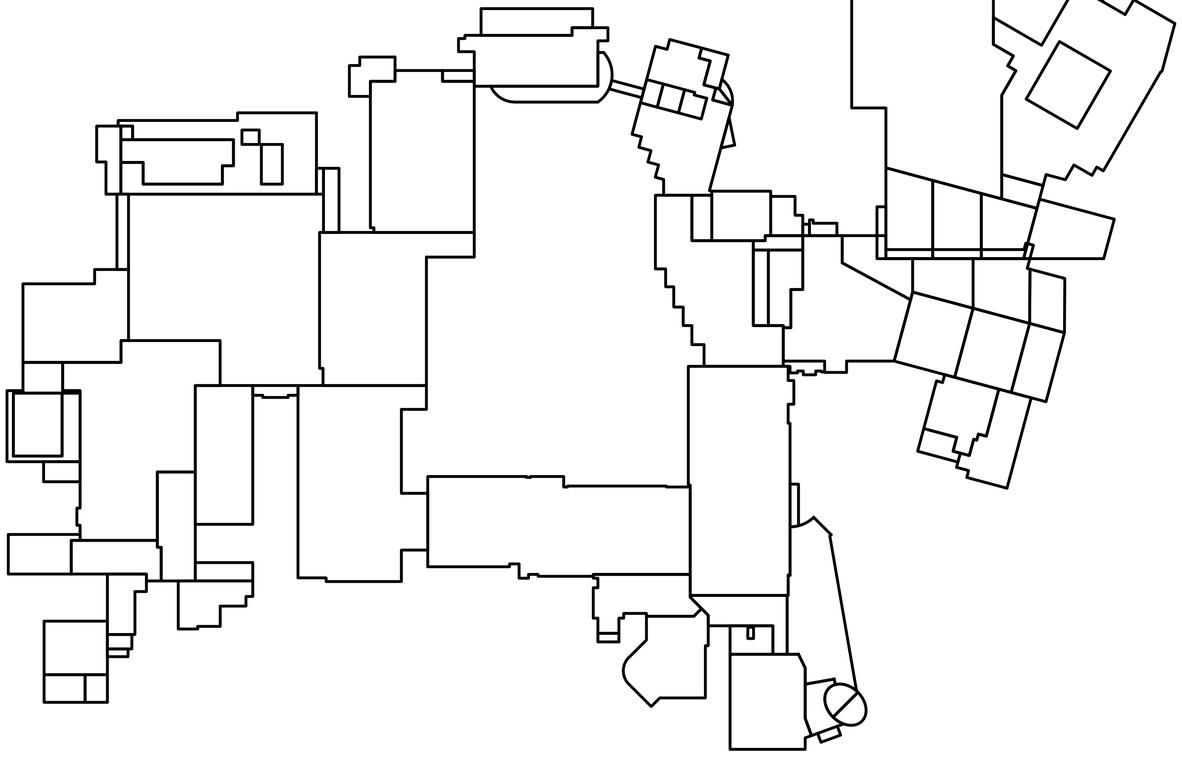
4209 STATE RTE. 44 - ROOTSTOWN, OH. 44272

THIS IS A WTI BRANDED REPORT. THE TEMPLATE AND OR
REPORT CAN NOT BE REPRODUCED IN ANY MANNER.

DRAWINGS

TITLE PAGE
SHEET A COMPOSITE ROOF PLAN
SHEET B MOISTURE SURVEY
SHEET C ROOF DATA & PHOTOS



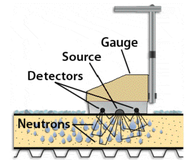


N

ROOF PLAN
SCALE: NO SCALE

How A Moisture Meter Works:

During the daytime, a 10'x10' or 5'x5' grid pattern is marked on the roof surface. Readings are taken and recorded at each grid intersection.

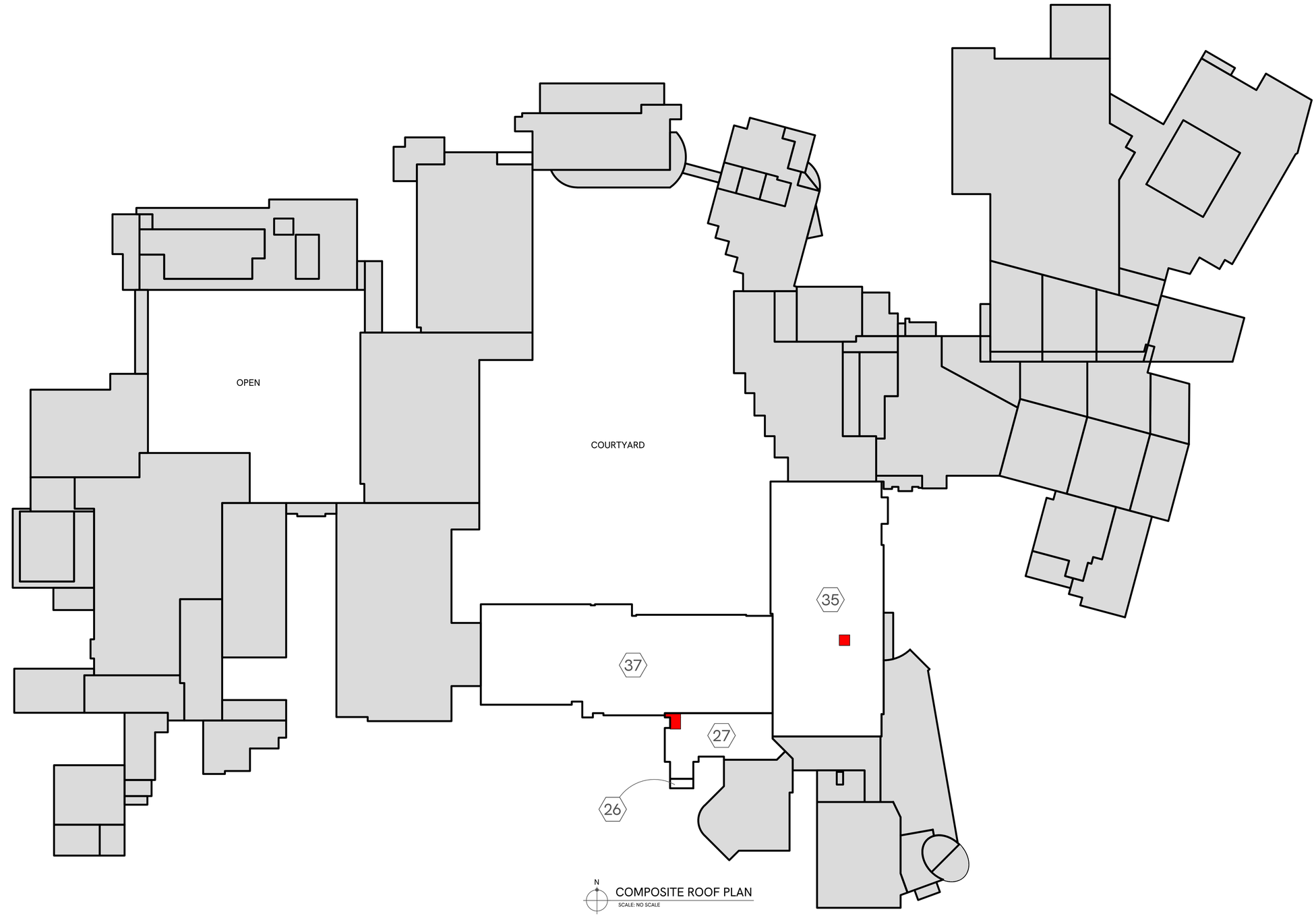


Fast neutrons are emitted from the source in the Roof Moisture Meter into the roof system. The presence of hydrogen in the roof system slows the neutrons. These slowed neutrons as well as the fast neutrons are detected by the Roof Moisture Meter. A reading is displayed in the digital readout and gets recorded.

Core cuts are taken to determine a baseline for dry roof materials. Wet areas of insulation are marked on the roof surface with paint.

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COMPOSITE ROOF PLAN
SCALE: NO SCALE

STANDARD KEY OF SYMBOLS

# ROOF SECTION	P-# PHOTO	WET INSULATION	N.I.C.
DRY CORE	T-# THERMOGRAM		MOISTURE GRID
WET CORE	N.A.F. (NO ANOMALIES FOUND)	R.I.M. (RANDOM INTERMITTENT MOISTURE)	TRACE CORE
			MOISTURE READING

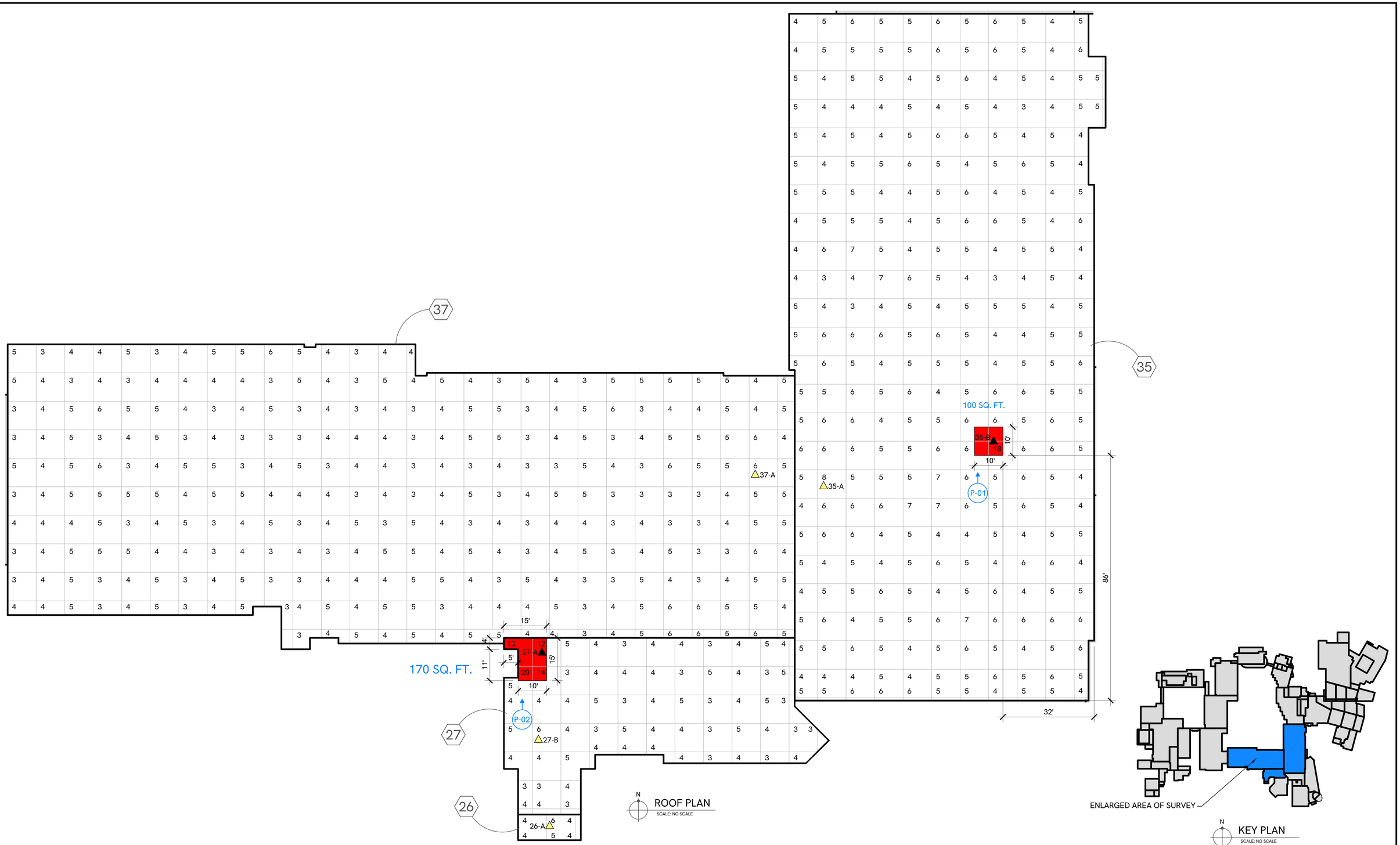
TREMCO Construction Products Group

wti

NORTHEAST OHIO MEDICAL UNIVERSITY
4209 STATE ROUTE 44
ROOTSTOWN, OHIO 44272

DIAGNOSTIC TECHNICIAN: T. PRITCHARD	PROJECT NO.: 9889361
DRAWN BY: B.M.C.	SHEET NO.: A
DATE: 08/21/2025	

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STANDARD KEY OF SYMBOLS

- # ROOF SECTION
- △ DRY CORE
- ▲ WET CORE
- P-# PHOTO
- T-# THERMOGRAM
- N.A.F. (NO ANOMALIES FOUND)
- WET INSULATION
- R.I.M. (RANDOM INTERMITTENT MOISTURE)
- N.I.C.
- MOISTURE GRID
- TRACE CORE
- # MOISTURE READING

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Photograph P-01



Photograph P-02

CONSTRUCTION DATA					
ROOF SECTION	EMISSIVITY	CORE CUT NUMBER	NUC MOISTURE READING	MOISTURE PROBE READING	ROOF CONSTRUCTION
26	HIGH	26-A	6	0	BALLASTED SINGLE-PLY (RUBBER) ROOF SYSTEM
				0	1-1/2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	EMISSIVITY	CORE CUT NUMBER	NUC MOISTURE READING	MOISTURE PROBE READING	ROOF CONSTRUCTION
27	HIGH	27-A	12	0	BALLASTED SINGLE-PLY (RUBBER) ROOF SYSTEM
				100	1-1/2" POLYISOCYANURATE INSULATION
				80	1-1/2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	EMISSIVITY	CORE CUT NUMBER	NUC MOISTURE READING	MOISTURE PROBE READING	ROOF CONSTRUCTION
27	HIGH	27-B	6	0	BALLASTED SINGLE-PLY (RUBBER) ROOF SYSTEM
				0	1-1/2" POLYISOCYANURATE INSULATION
				0	1-1/2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	EMISSIVITY	CORE CUT NUMBER	NUC MOISTURE READING	MOISTURE PROBE READING	ROOF CONSTRUCTION
35	HIGH	35-A	8	0	BALLASTED SINGLE-PLY (RUBBER) ROOF SYSTEM
				0	1-1/2" POLYISOCYANURATE INSULATION
				0	1-1/2" POLYISOCYANURATE INSULATION
				0	BUILT-UP-ROOF W/ GRAVEL
				0	1" FIBERGLASS INSULATION
				N/A	METAL DECK
ROOF SECTION	EMISSIVITY	CORE CUT NUMBER	NUC MOISTURE READING	MOISTURE PROBE READING	ROOF CONSTRUCTION
35	HIGH	35-B	18	0	BALLASTED SINGLE-PLY (RUBBER) ROOF SYSTEM
				80	1-1/2" POLYISOCYANURATE INSULATION
				10	1-1/2" POLYISOCYANURATE INSULATION
				0	BUILT-UP-ROOF W/ GRAVEL
				0	1" FIBERGLASS INSULATION
				N/A	METAL DECK
ROOF SECTION	EMISSIVITY	CORE CUT NUMBER	NUC MOISTURE READING	MOISTURE PROBE READING	ROOF CONSTRUCTION
37	HIGH	37-A	6	0	BALLASTED SINGLE-PLY (RUBBER) ROOF SYSTEM
				0	1-1/2" POLYISOCYANURATE INSULATION
				0	1-1/2" POLYISOCYANURATE INSULATION
				0	BUILT-UP-ROOF W/ GRAVEL
				0	1" FIBERGLASS INSULATION
				N/A	METAL DECK

THE MOISTURE PERCENTAGES ARE INTENDED TO BE USED AS A QUALITATIVE MEASUREMENT RATHER THAN AN EXACT READING.

ROOF SECTION DATA			
ROOF SECTION	SIZE (S.F.)	WET (S.F.)	% WET
26	198	0	0.00%
27	4,918	170	3.46%
35	25,543	100	0.39%
37	26,423	0	0.00%
TOTALS	**57,082**	**270**	**0.47%**

STANDARD KEY OF SYMBOLS

- # ROOF SECTION
- DRY CORE
- WET CORE
- P-# PHOTO
- T-# THERMOGRAM
- N.A.F. (NO ANOMALIES FOUND)
- WET INSULATION
- R.I.M. (RANDOM INTERMITTENT MOISTURE)
- N.I.C.
- MOISTURE GRID
- TRACE CORE
- # MOISTURE READING

TREMCO Construction Products Group

wti

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DIAGNOSTIC TECHNICIAN: T. PRITCHARD
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DATE: 08/21/2025
PROJECT NO.: 9889361
SHEET NO.: C

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SECTION 075416 - KETONE ETHYLENE ESTER (KEE) ROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Mechanically-fastened thermoplastic KEE roofing system on a prepared existing roof substrate, including:

2. Roof insulation.

3. Roof insulation cover board.

1.2 DEFINITIONS

A. Roofing Terminology: Refer to ASTM D1079 "Standard Terminology Relating to Roofing and Waterproofing" and glossary in applicable edition of NRCA's "The NRCA Roofing Manual: Membrane Roof Systems" for definition of terms related to roofing work in this Section.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Roofing Conference: Conduct conference at Project site.

1. Meet with Owner, Owner's insurer if applicable, testing and inspecting agency representative, roofing Installer, roofing system manufacturer's representative, and installers whose work interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.

2. Review drawings and specifications.

3. Review methods and procedures related to roofing installation, including manufacturer's written instructions.

4. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.

5. Examine substrate conditions and finishes for compliance with requirements, including flatness and fastening.

6. Review structural loading limitations of roof deck during and after roofing.

7. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that will affect roofing system.

8. Review governing regulations and requirements for insurance and certificates if applicable.

9. Review temporary protection requirements for roofing system during and after installation.

10. Review roof observation and repair procedures after roofing installation.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Sustainable Design Submittals:

1. Product Test Reports for Solar Reflectance: For roof materials, indicating that roof materials comply with Solar Reflectance Index requirement.

2. Product Data and Laboratory Test Reports: For adhesives and sealants, indicating compliance with requirements for low-VOC/low-emitting materials.

C. Shop Drawings: For roofing system. Include plans, elevations, sections, details, and attachments to other work.

1. Base flashings and membrane terminations.

a. Indicate details meet requirements of NRCA and FMG required by this Section.

2. Tapered insulation, including slopes and crickets.

3. Roof plan showing types and orientation of roof deck and orientation of membrane roofing and fastening spacings and patterns for mechanically fastened membrane roofing if applicable.

4. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.

D. Samples for Verification: For the following products:

1. Sheet roofing, of color specified, including T-shaped side and end lap seam.

2. Walkway pads or rolls.

3. Metal termination bars.

E. Wind Uplift Resistance Submittal: For roofing system, indicating compliance with wind uplift performance requirements.

1.5 INFORMATIONAL SUBMITTALS

A. Contractor's Product Certificate: Submit certificate, indicating products intended for Work of this Section, including product names and numbers and manufacturers' names, with statement indicating that products to be provided meet the requirements of the Contract Documents.

B. Manufacturer Certificates: Signed by roofing manufacturer certifying that roofing system complies with requirements specified in "Performance Requirements" Article.

1. Submit evidence of compliance with performance requirements.

a. Include: UL listing certificate.

2. Product Compatibility: Indicate manufacturer has verified compatibility of roofing system components, including but not limited to: Roofing membrane, flashing sheets, adhesives, and sealants.

C. Warranties: Unexecuted sample copies of special warranties.

D. Inspection Reports: Reports of Roofing Inspector. Include weather conditions, description of work performed, tests performed, defective work observed, and corrective actions taken to correct defective work.

1. Submit reports within 48 hours after inspection.

1.6 CLOSEOUT SUBMITTALS

A. Executed copies of warranties.

B. Maintenance Data: To include in maintenance manuals.

1.7 QUALITY ASSURANCE

A. Installer Qualifications: An employer of workers trained and certified by manufacturer, including a full-time on-site supervisor with a minimum of five years' experience installing products comparable to those specified, able to communicate verbally with Contractor, and employees, and qualified by the manufacturer to install manufacturer's product and furnish warranty of type specified.

B. Manufacturer Qualifications: Approved manufacturer listed in this Section, UL listed for roofing systems comparable to that specified for this Project, with minimum five years' experience in manufacture of thermoplastic roof membrane products in successful use in similar applications.

1. Approval of Comparable Products: Submit the following in accordance with project substitution requirements, within time allowed for substitution review:

a. Product data, including certified independent test data indicating compliance with requirements.

b. Samples of each component.

c. Sample submittal from similar project.

d. Project references: Minimum of five installations of specified products not less than five years old, with Owner contact information.

e. Sample warranty.

2. Substitutions following award of contract are not allowed.

3. Approved manufacturers must meet separate requirements of Submittals Article.

C. Roofing Inspector Qualifications: A technical representative of manufacturer not engaged in the sale of products and experienced in the installation and maintenance of the specified roofing system, qualified to perform roofing observation and inspection specified in Field Quality Control Article, to determine Installer's compliance with the requirements of this Project, and approved by the manufacturer to issue warranty certification. The Roofing Inspector shall be one of the following:

1. An authorized full-time technical employee of the manufacturer.

D. Manufacturer's Installation Instructions: Obtain and maintain on-site access to manufacturer's written recommendations and instructions for installation of products.

1.8 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.

1.9 PROJECT / FIELD 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. Daily Protection: Coordinate installation of roofing so insulation and other components of roofing system not permanently exposed are not subjected to precipitation or left uncovered at the end of the workday or when rain is forecast.

1. Provide tie-offs at end of each day's work to cover exposed roofing and insulation with a course of roofing sheet securely in place with joints and edges sealed.

2. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing.

3. Remove temporary plugs from roof drains at end of each day.

4. Remove and discard temporary seals before beginning work on adjoining roofing.

1.10 WARRANTY

A. Manufacturer's Warranty: Roof System Manufacturer's standard form in which Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within warranty period, as follows.

1. Form of Warranty: Manufacturer's standard warranty form.

2. Scope of Warranty: Work of this Section and including sheet metal details and termination details installed by the roof system Installer and approved by the Roof System Manufacturer.

3. Warranty Period: 30 years from date of completion.

B. Manufacturer Inspection Services: By manufacturer's technical representative, to report maintenance responsibilities to Owner necessary for preservation of Owner's warranty rights. The cost of manufacturer's inspections is included in the Contract Sum.

1. Inspections to occur in following years: 2, 5, 10, 15, 20 and 25 following completion.

C. Installer Warranty: Installer's warranty signed by Installer, as follows.

1. Form of Warranty: Form acceptable to Roofing Manufacturer and Owner.

2. Scope of Warranty: Work of this Section.

3. Warranty Period: 2 years from date of completion.

PART 2 - PRODUCTS

2.1 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.

1. Accelerated Weathering: Roofing system shall withstand 10,000 hours of exposure when tested according to ASTM G152, ASTM G154, or ASTM G155.

2. Impact Resistance: Roof membrane shall resist impact damage when tested according to ASTM D3746/D3746M, ASTM D4272/D4272M, or the "Resistance to Foot Traffic Test" in FM Approvals 4470.

B. SPRI Wind Design Standard: Manufacture and install copings and roof-edge flashings tested according to ANSI/SPRI ES-1.

1. Design Pressure: As indicated on Drawings.

C. Flashings and Fastening: Provide base flashings, perimeter flashings, detail flashings and component materials and installation techniques that comply with requirements and recommendations of the following:

1. NRCA Roofing Manual (Sixth Edition) for construction details and recommendations.

D. Exterior Fire-Test Exposure: ASTM E108, 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.

E. Fire-Resistance Ratings: Comply with fire-resistance-rated assembly designs indicated. Identify products with appropriate markings of applicable testing agency.

2.2 MATERIALS, GENERAL

A. Material Compatibility: Roofing materials shall be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by roof membrane manufacturer based on testing and field experience.

2.3 THERMOPLASTIC MEMBRANE MATERIALS

A. KEE Roof Membrane:

1. Thermoplastic Ketone Ethylene Ester (KEE) coated polyester fabric-reinforced sheet, ASTM D6754.

a. Breaking Strength, minimum, ASTM D751: Machine direction, 500 lbf/in (87 kN/m); Cross machine direction, 400 lbf/in (70 kN/m).

b. Tear Strength, minimum, ASTM D751: Machine direction,120 lbf (162 N/m); Cross machine direction, 140 lbf (190 N/m).

c. Elongation at Break, ASTM D751: 20 percent.

d. Dynamic Impact/Puncture Resistance, ASTM D5635: 30 J, minimum.

e. Minimum Membrane Thickness, nominal, less backing, ASTM D751: 60 mils (1.5 mm).

f. Thickness over fiber, optical method: 0.014 inches (0.355 mm).

g. Accelerated Weathering, ASTM G155 and ASTM G154: Not greater than 15,000 hr., no cracking or crazing.

h. Abrasion Resistance, ASTM D3389: Not greater than 2,000 cycles, H-18 wheel, 1,000 g load.

i. Color: White.

j. Solar Reflectance Index (SRI), ASTM E1980: 110 (White, initial), 86 (White, 3-yr aged).

B. Sheet Flashing: Manufacturer's standard, smooth-backed, sheet flashing of same material, type, reinforcement, thickness and color as KEE roof membrane.

2.4 AUXILIARY 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. Flashing Membrane Adhesive:

1. Bonding adhesive, solvent-borne. for bonding KEE fleece-backed single ply membranes and flashings to substrates.

a. VOC, maximum, ASTM D3960: 234 gm/L.

C. Metal Termination Bars: Manufacturer's standard, predrilled stainless-steel or aluminum bars, approximately 1 by 1/8 inch (25 mm by 3 mm) thick; with anchors.

D. Metal Battens: Manufacturer's standard, aluminum-zinc-alloy-coated or zinc-coated steel sheet, approximately 1 inch wide by 0.05 inch (25 mm wide by 1.3 mm) thick, prepunched.

E. Metal Stress Plates: Manufacturer's standard AZ50 Galvalume-coated steel formed plates, 0.047 inch thick, with radial corners and membrane-engaging barbs engineered to enhance wind resistance for mechanically-attached KEE membrane roofing systems. FMG approved.

1. Product: KEE Stress Plates.

F. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening components to substrate, and acceptable to membrane roofing system manufacturer.

G. Joint Sealant: Elastomeric joint sealant compatible with roofing materials, with movement capability appropriate for application.

1. Joint Sealant, Polyurethane: ASTM C920, Type S, Grade NS, Class 50 single-component moisture curing sealant, formulated for compatibility and use in dynamic and static joints; paintable.

a. Volatile Organic Compounds (VOC), maximum, ASTM D3960: 40 g/L.

b. Hardness, Shore A, ASTM C661: 40.

c. Adhesion to Concrete, ASTM C794: 35 pli.

d. Tensile Strength, ASTM D412: 350 psi (2410 kPa).

e. Color: White.

H. Prefabricated Pipe Flashings: As recommended by roof membrane manufacturer.

I. 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.

2.5 ROOF INSULATION MATERIALS

A. General: Preformed roof insulation boards manufactured or approved by roofing manufacturer, selected from insulation manufacturer's standard sizes, suitable for application, and of thicknesses indicated.

1. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated, not less than two times the roof slope.

B. Roof Insulation: Provide roof insulation product in thicknesses indicated in Part 3 as follows:

1. Board Insulation, Polyisocyanurate: CFC- and HCFC- free, with recycled content glass-fiber mat facer on both major surfaces, ASTM C1289 Type II Class 1.

    a. Compressive Strength, ASTM D1621: Grade 2: 20 psi (138 kPa).

    b. Conditioned Thermal Resistance at 75 deg. F (24 deg. C): 14.4 at 2.5 inches (50.8 mm) thick.

2.6 ROOF INSULATION ACCESSORIES

A. Cover Board:

1. Gypsum panel, glass-mat-faced, ASTM C1177/C1177M.

    a. Thickness: 1/4 inch.

2. Or ½" HD Cover Board by Tremco.

B. Insulation Cant Strips: ASTM C 208, Type II, Grade 1, cellulosic-fiber insulation board.

C. Wood Cant Strips: Comply with requirements in Division 06 rough carpentry Section.

D. Tapered Edge Strips: ASTM C 208, Type II, Grade 1, cellulosic-fiber insulation board.

E. Substrate Joint Tape: 6- or 8-inch- (150- or 200-mm-) wide, coated, glass fiber.

F. Insulation 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.

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 cants, blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.

3. Existing Prepared Roof Substrate: Verify that existing insulation and substrate is sound and dry. Mositure analysis survey is required prior to installation of retrofit system. Mositure survey must be performed by an independent firm, contractor is not allowed to perform their own mositure survey. Mositure analysis report must be provided to owner prior to start of work.

4. Roof Deck: Verify that deck is sound and dry and securely fastened with no projecting fasteners and with no adjacent units in excess of 1/16 inch (1.6 mm) out of plane relative to adjoining deck.

5. Verify that existing insulation and substrate is sound and dry.

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. Existing gravel must be removed. Existing flashings to be removed.

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 INSTALLATION, GENERAL

A. Install roofing system in accordance with manufacturer’s written instructions and approved details.

B. NRCA Installation Details: Install roofing system in accordance with applicable NRCA Manual Plates and NRCA recommendations; modify as required to comply with manufacturer's approved details and perimeter fastening requirements of FM Global references if applicable.

3.4 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. Tapered Insulation and Crickets: Install tapered insulation under area of roofing to conform to slopes indicated.

1. Where crickets are indicated or required to provide positive slope to drain, make slope of crickets minimum of two times the roof slope, not less than 1/4 inch in 12 inches (1:48).

D. Install insulation under area of roofing to achieve required thickness. Where overall insulation thickness is 2.7 inches (70 mm) or greater, install two or more layers with joints of each

succeeding layer staggered from joints of previous layer a minimum of 6 inches (150 mm) in each direction.

1. Flat Insulation System on Sloped Roof Deck: Install insulation at minimum thickness as follows:

    a. Minimum Continuous Insulation R-value: Not less than 30.

2. Insulation Drain Sumps: Tapered Insulation sumps, not less than 4 by 4 feet.

E. Trim surface of insulation where necessary at roof drains so completed surface is flush and does not restrict flow of water.

F. 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 (6 mm) with insulation.

1. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.

G. Cover Boards: 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 (150 mm) in each direction. Loosely butt cover boards together.

1. Secure cover boards to resist uplift pressure at corners, perimeter, and field of roof.

2. Mechanically fasten cover boards.

3.5 MECHANICALLY FASTENED MEMBRANE ROOFING INSTALLATION

A. Mechanically fasten membrane roofing over area to receive roofing and install according to roofing system manufacturer's written instructions.

1. For in-splice attachment, install membranes roofing with long dimension perpendicular to steel roof deck flutes.

B. Start installation of membrane roofing in presence of 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. Mechanically fasten or adhere membrane roofing securely at terminations, penetrations, and perimeter of roofing.

E. Apply membrane roofing with side laps shingled with slope of roof deck where possible.

F. In-Seam Attachment: Secure one edge of membrane sheet using fastening plates or metal battens centered within membrane seam and mechanically fasten membrane sheet to roof deck.

G. Metal Stress Plate Installation:

1. Locate plates in grid pattern in accordance with membrane manufacturer's instructions.

2. Install plates in straight rows in the specified number and spacing to achieve the required wind uplift resistance in the main field, edges and corners of the roof.

3. Install plates and separation pads using fasteners that comply with the specified applicable building code wind uplift rating and the fastener and membrane manufacturer's requirements. Ensure that all fasteners are properly driven normal to the surface of the sub-structure. Do not over-drive fasteners; plates that are recessed into and/or not flush with the surface of the insulation are not acceptable.

H. Welded 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.

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

J. Install membrane roofing and auxiliary materials to tie in to existing roofing to maintain weathertightness of transition. Install in such a manner as to not void warranty for existing membrane roofing system.

3.6 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. Seal top termination of base flashing with a metal termination bar and a continuous bead of joint sealant.

3.7 FIELD QUALITY CONTROL

A. Roofing Inspector: Contractor shall engage a qualified roofing inspector to perform roof tests and inspections and to prepare test reports.

1. Engage a qualified roofing inspector for a minimum of 20 full-time days on site, to perform roof tests and inspections and to prepare start up, interim, and final reports. Roofing Inspector's quality assurance inspections shall comply with applicable criteria established in NRCA's "Quality Control and Quality-assurance Guidelines for the Application of Membrane Roofing Systems."

B. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.

C. Repair or remove and replace components of membrane roofing system where inspections indicate that they do not comply with specified requirements.

D. Additional inspections, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

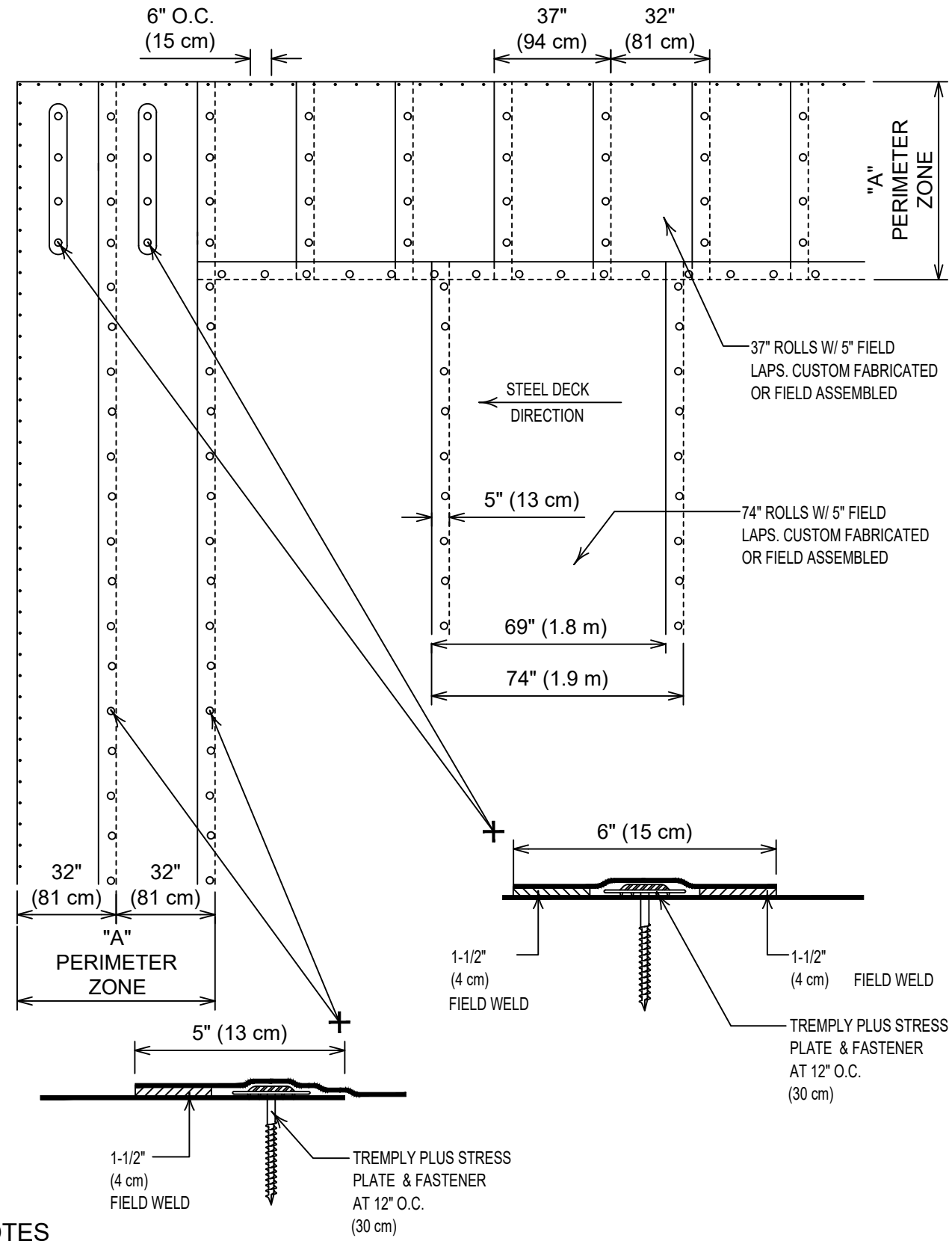
3.8 PROTECTING AND CLEANING

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 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.

C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

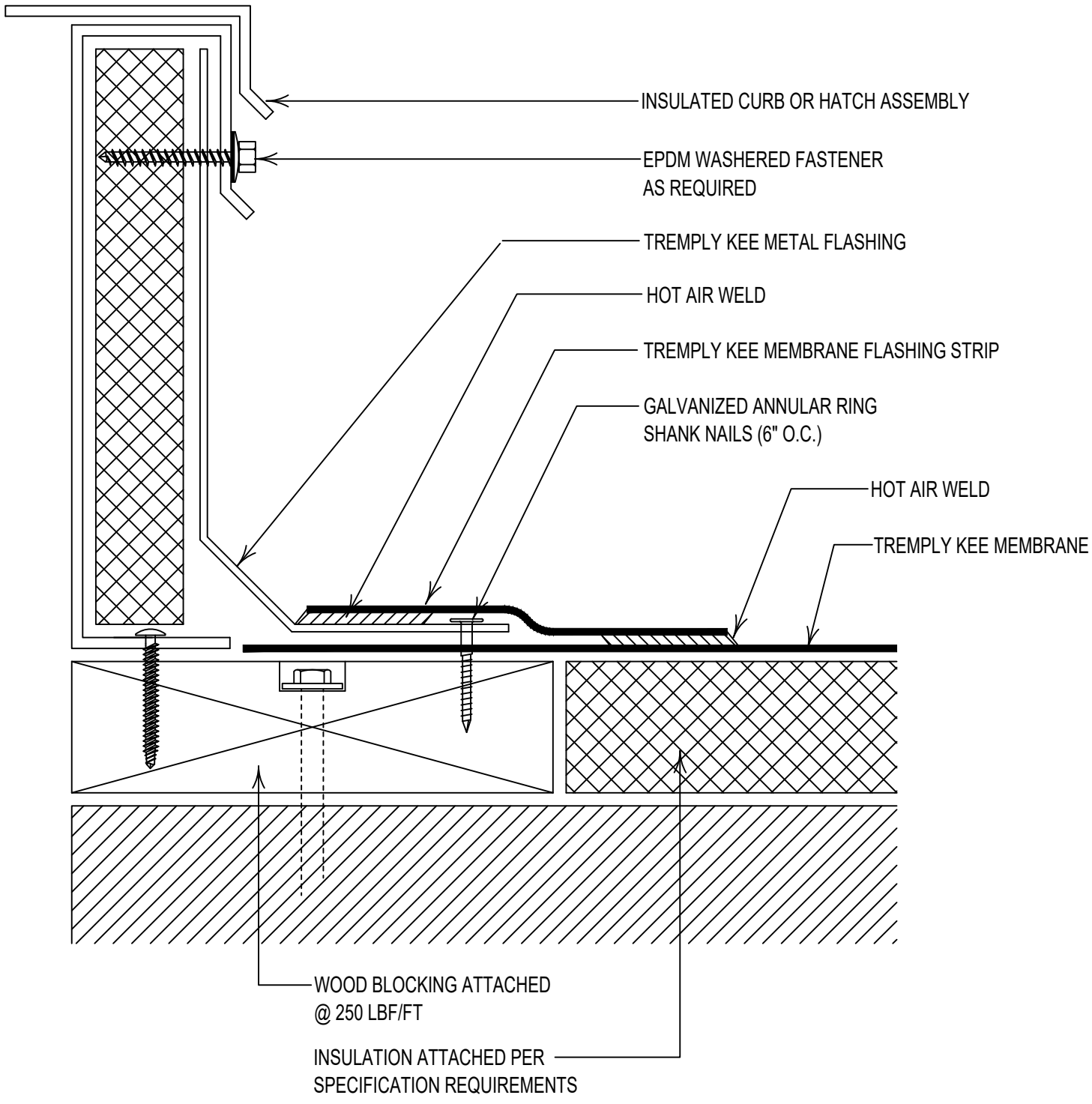
END OF SECTION 075416



NOTES

1. DIMENSION "A" EQUALS 10% OF ROOF WIDTH OR 40% OF BUILDING HEIGHT; WHICH EVER IS LESS, WITH A MINIMUM OF 4 FT. (1.2 M)

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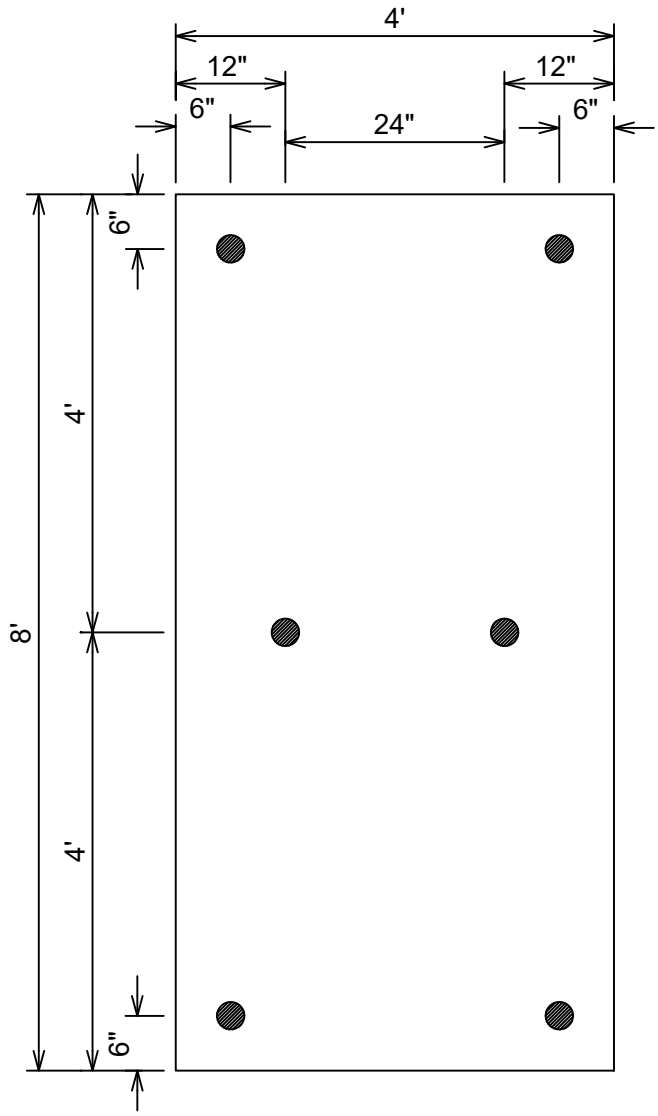
TREMCO
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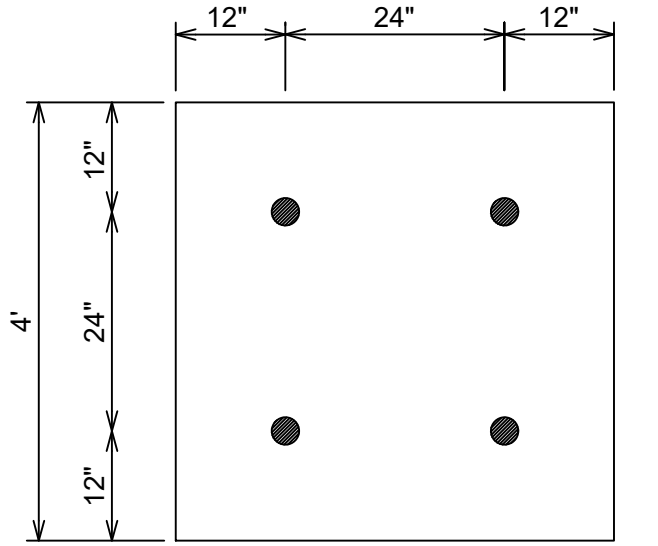
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INSULATED CURB OR FIRE HATCH

SCALE:
NTS

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2023





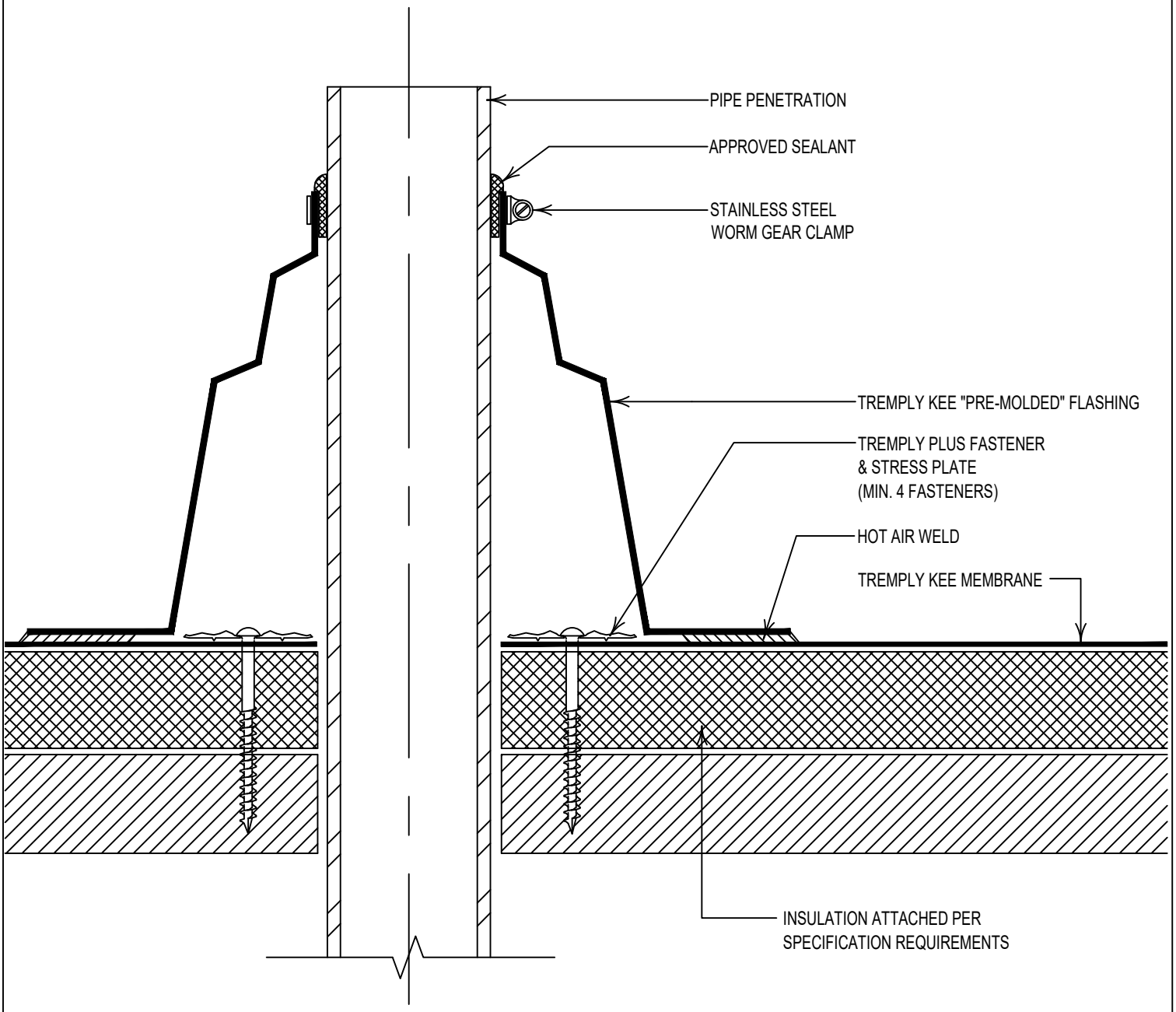
TREMCO
Roofing & Building Maintenance

SHEET TITLE:
PRELIMINARY INSULATION ATTACHMENT FOR 1-90 MECHANICALLY ATTACHED TREMPLY KEE SYSTEM

SCALE:
NTS

DRAWING No.:
DWG NO. 77

2023



TREMCO
Roofing & Building Maintenance

SHEET TITLE:

PRE-MOLDED PIPE FLASHING

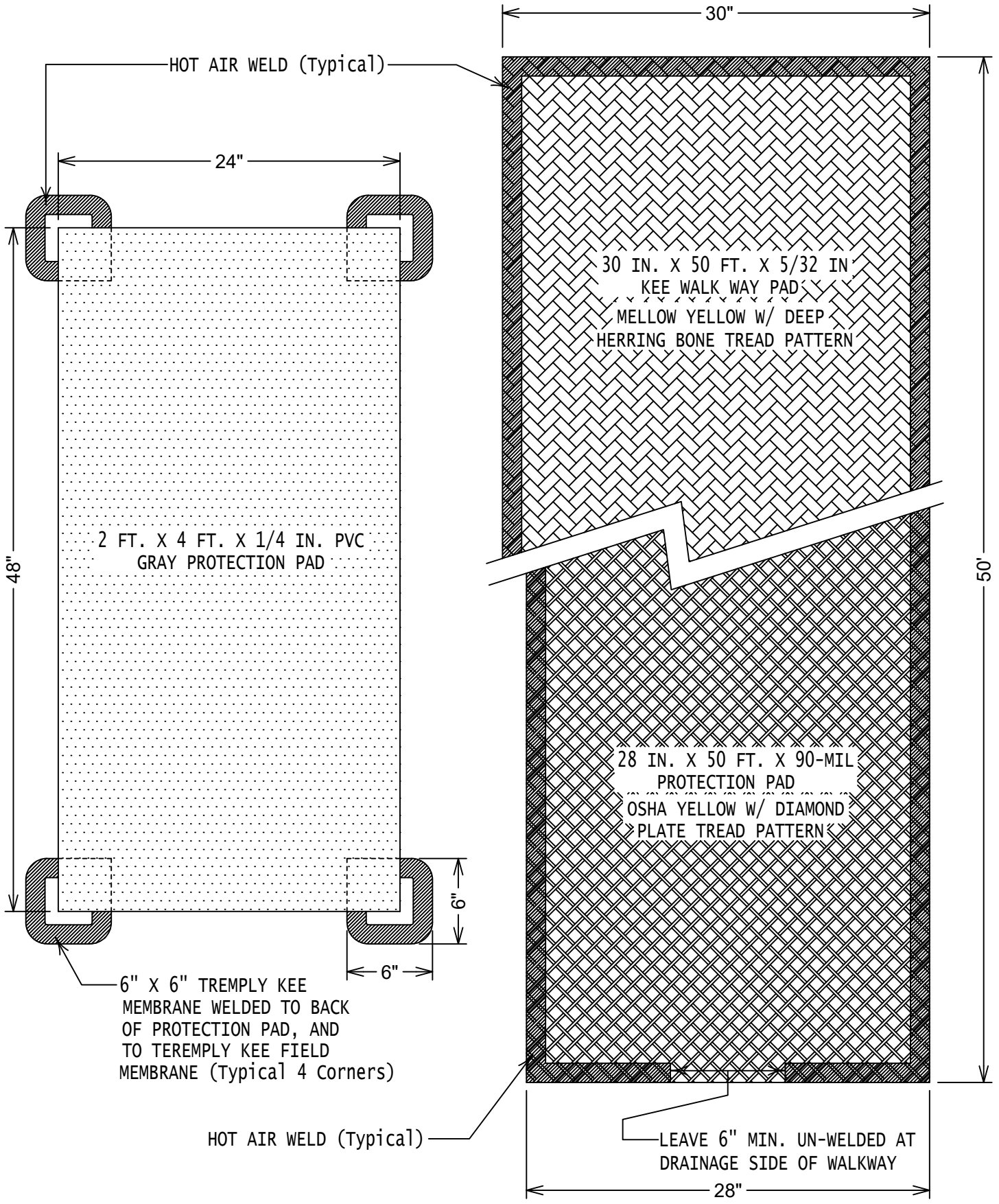
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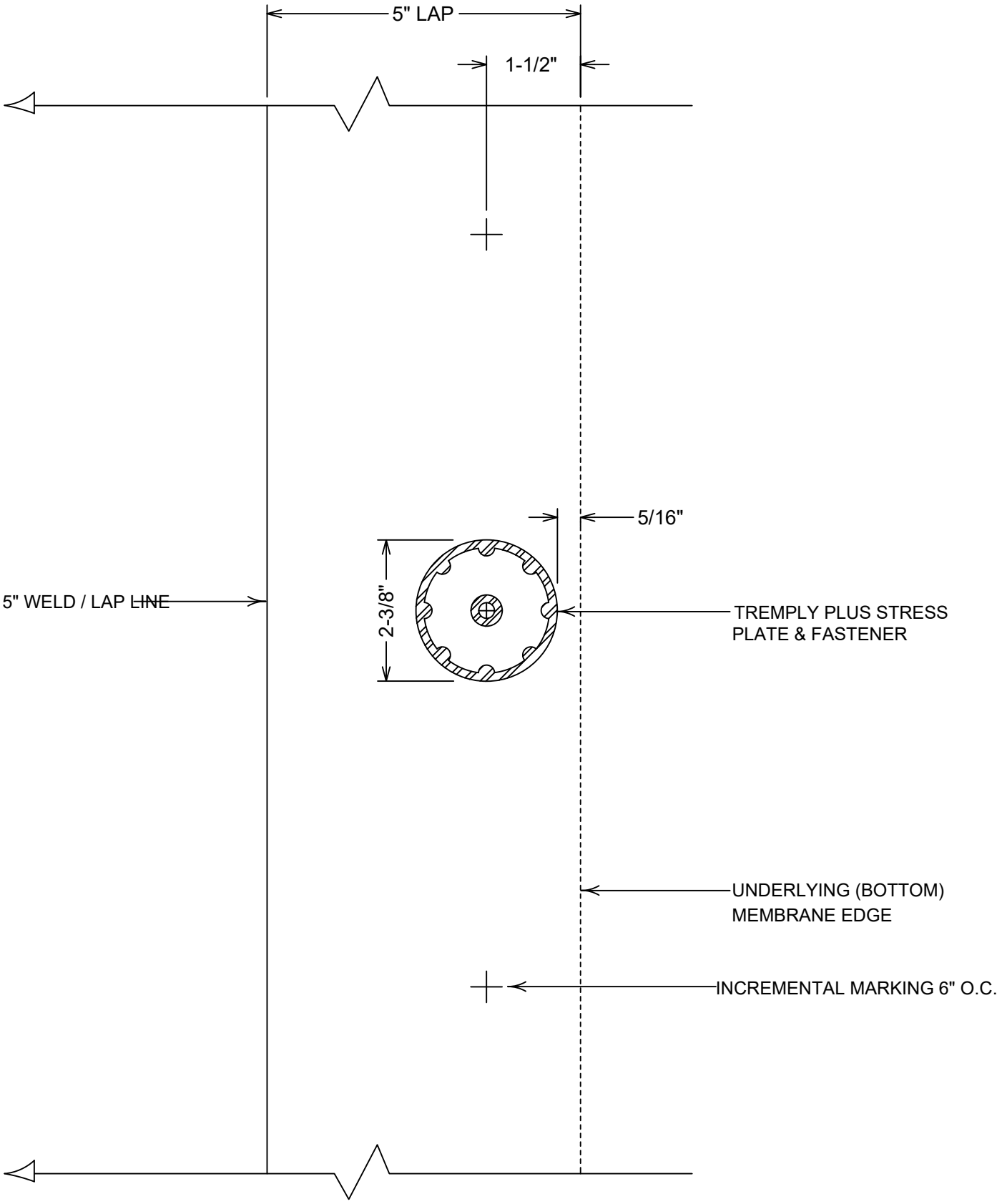
TREMCO
Roofing & Building Maintenance

SHEET TITLE:
PROTECTION PAD &
WALKWAY MATERIALS

SCALE:
NTS

DRAWING No.:
DWG NO. 80

2023



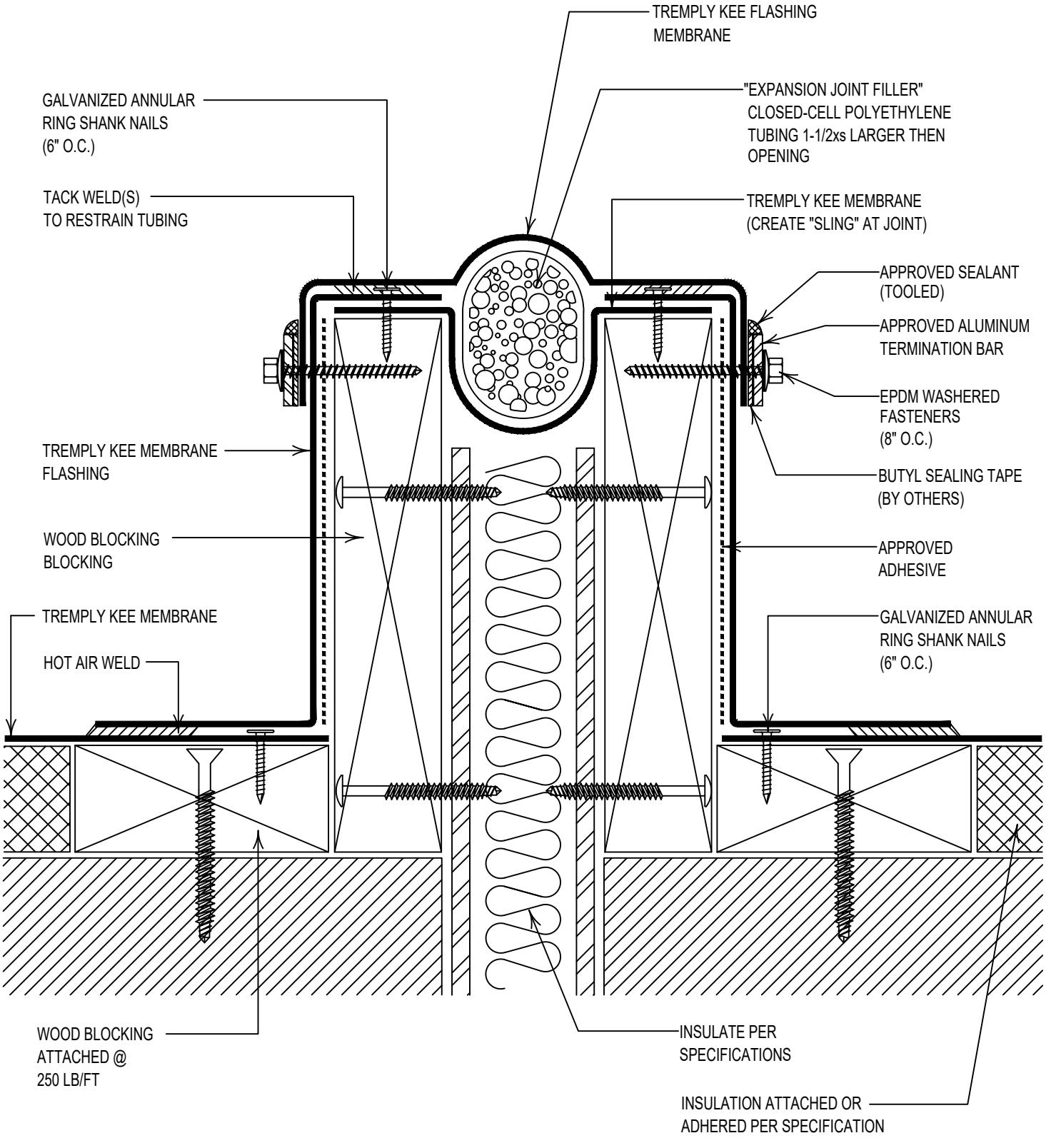
TREMCO
Roofing & Building Maintenance

SHEET TITLE:
TREMPLY PLUS STRESS PLATES AND FASTENERS - LAP/PLACEMENT

SCALE:
NTS

DRAWING No.:
DWG NO. 107

2023



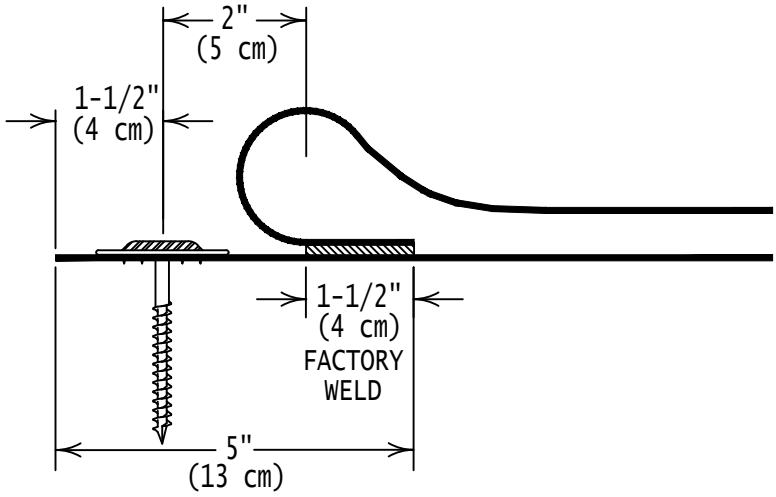
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Roofing & Building Maintenance

SHEET TITLE:
RAISED EXPANSION JOINT OVER WOOD BLOCKING

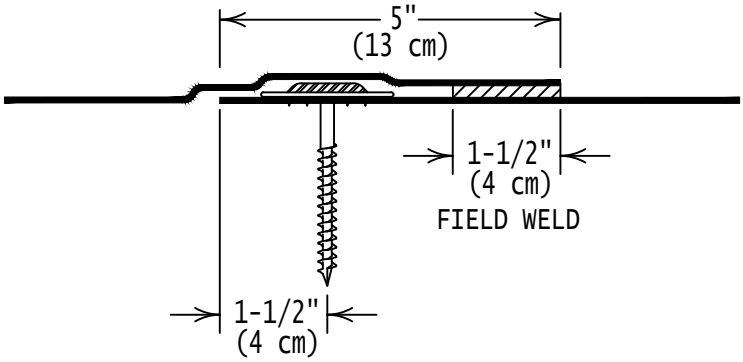
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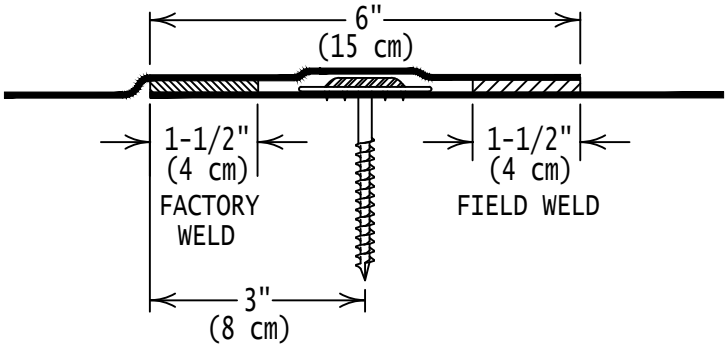
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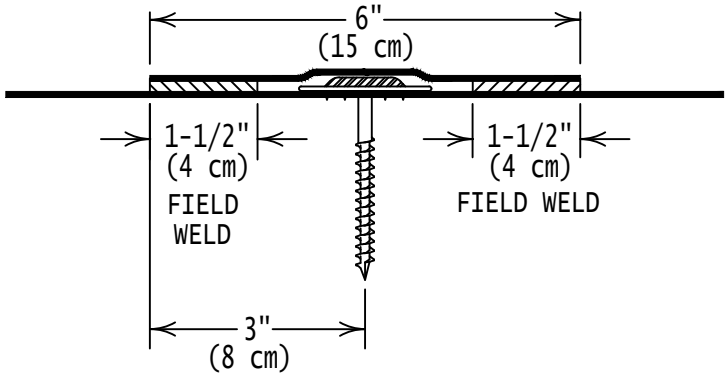
LAP STYLE "A" OPEN



LAP STYLE "B" OPEN



LAP STYLE "C" CLOSED



LAP STYLE "D" CLOSED

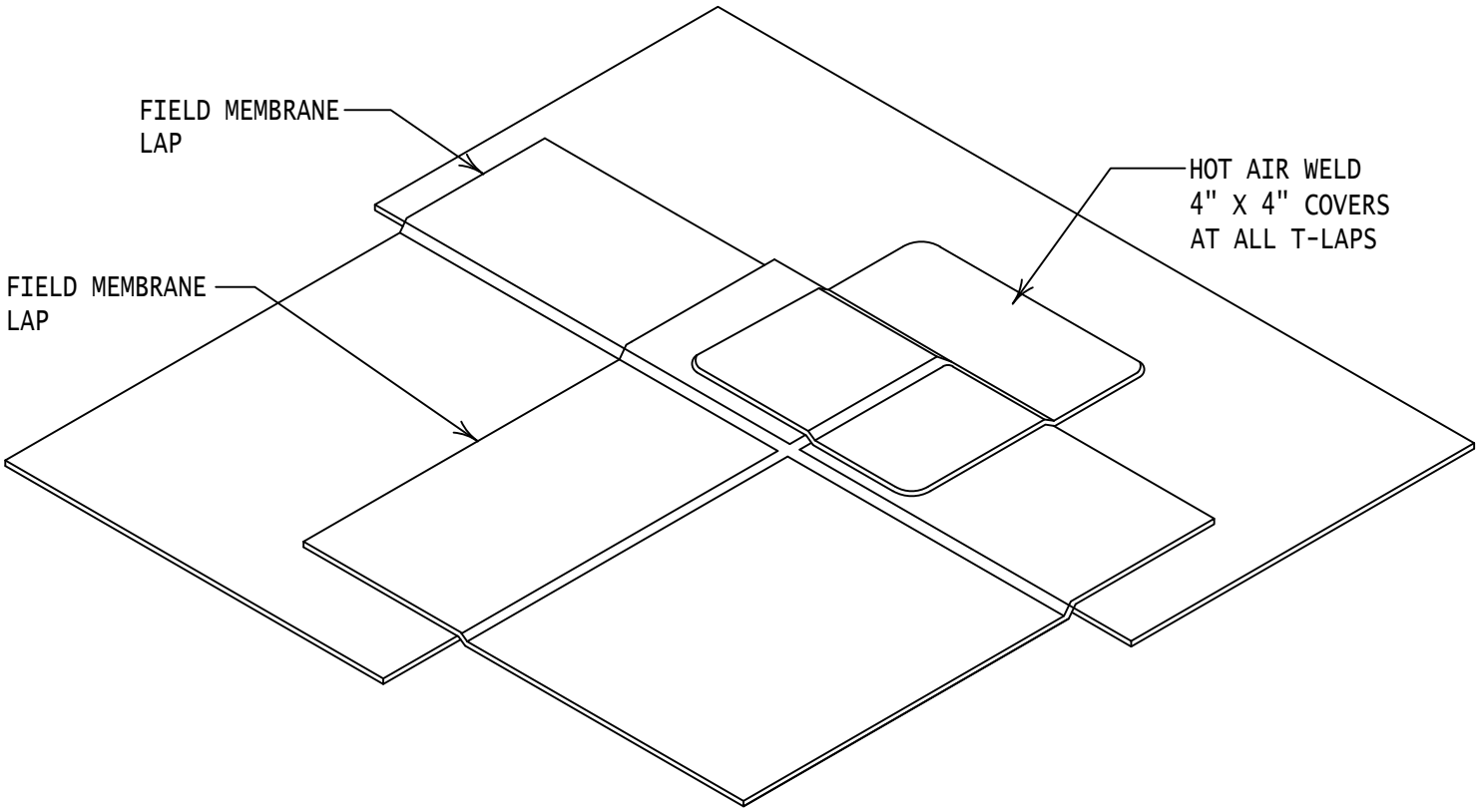
TREMCO
Roofing & Building Maintenance

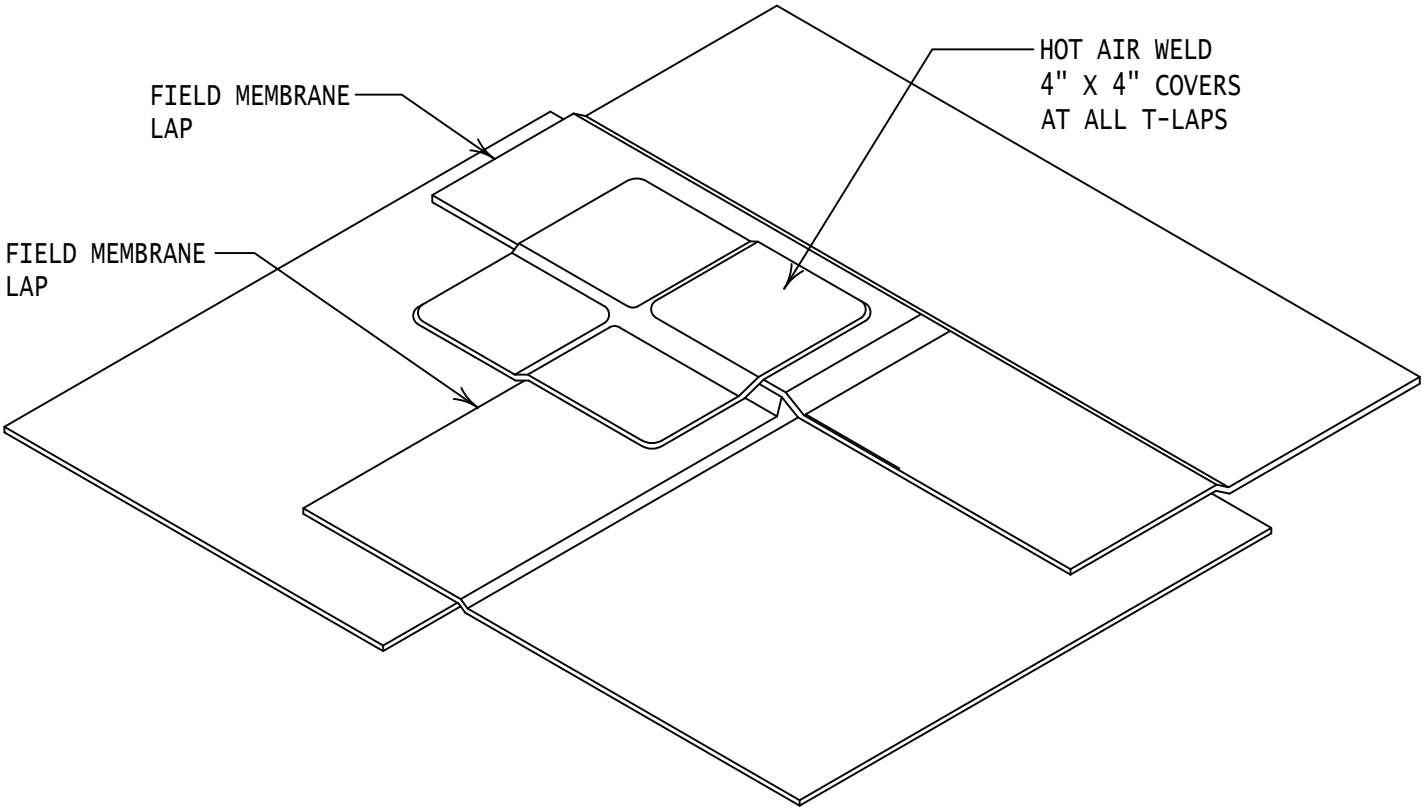
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TREMPLY PLUS STRESS PLATES AND FASTENERS - LAP STYLE AND POSITION

SCALE:
NTS

DRAWING No.:
DWG NO. 108

2023





TREMCO
Roofing & Building Maintenance

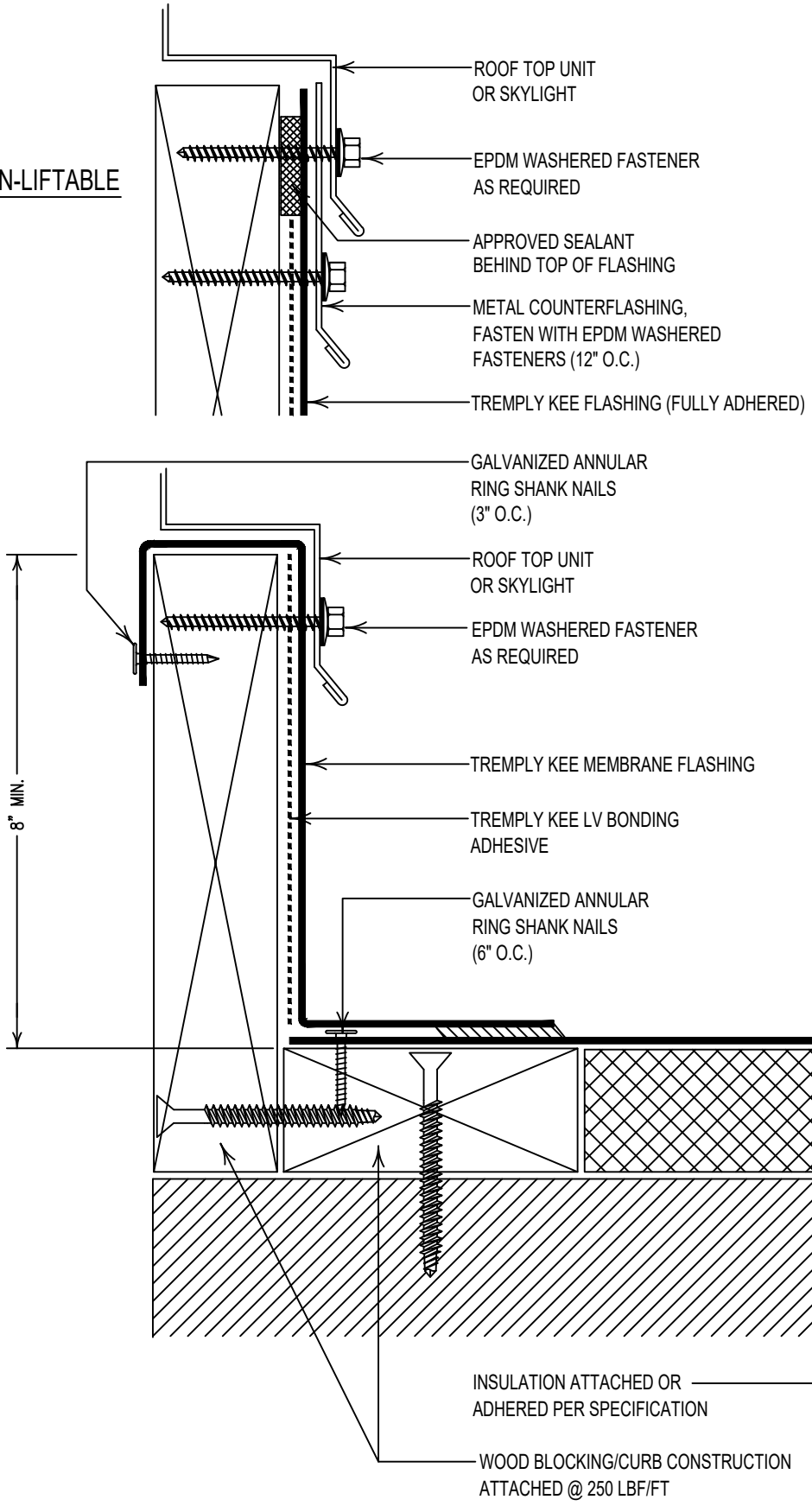
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TYPICAL COVERS AT
MEMBRANE T-LAPS

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DRAWING No.:
DWG NO. 111

2023

NON-LIFTABLE



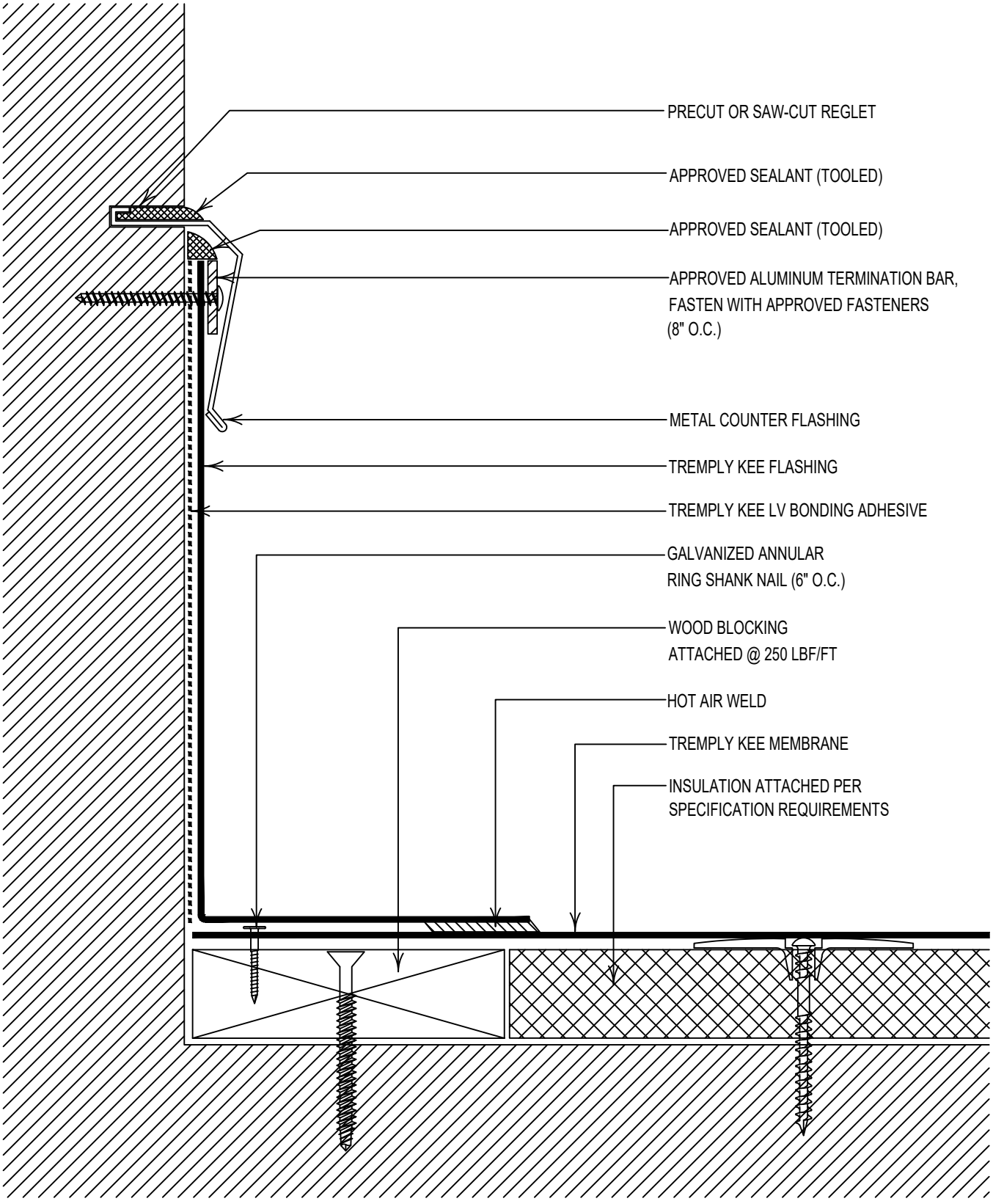
TREMCO
Roofing & Building Maintenance

SHEET TITLE:
TYPICAL WOOD CURB OR SKYLIGHT

SCALE:
NTS

DRAWING No.:
DWG NO. 123

2023

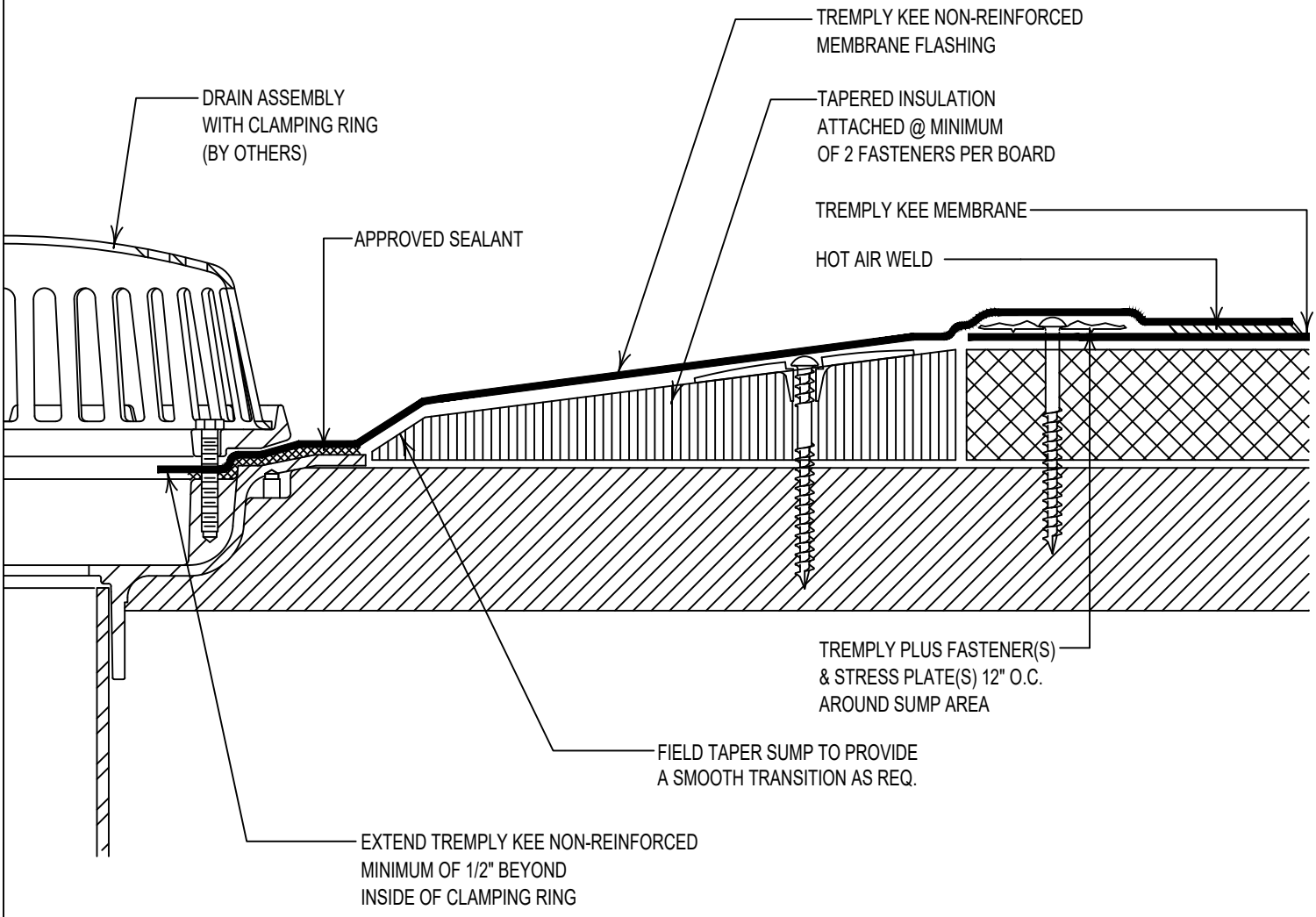


TREMCO
Roofing & Building Maintenance

SHEET TITLE:
TYPICAL "MEMBRANE" WALL FLASHING HORIZONTAL BLOCKING WITH SAWCUT REGLET

SCALE:
NTS

DRAWING No.:
DWG NO. 115

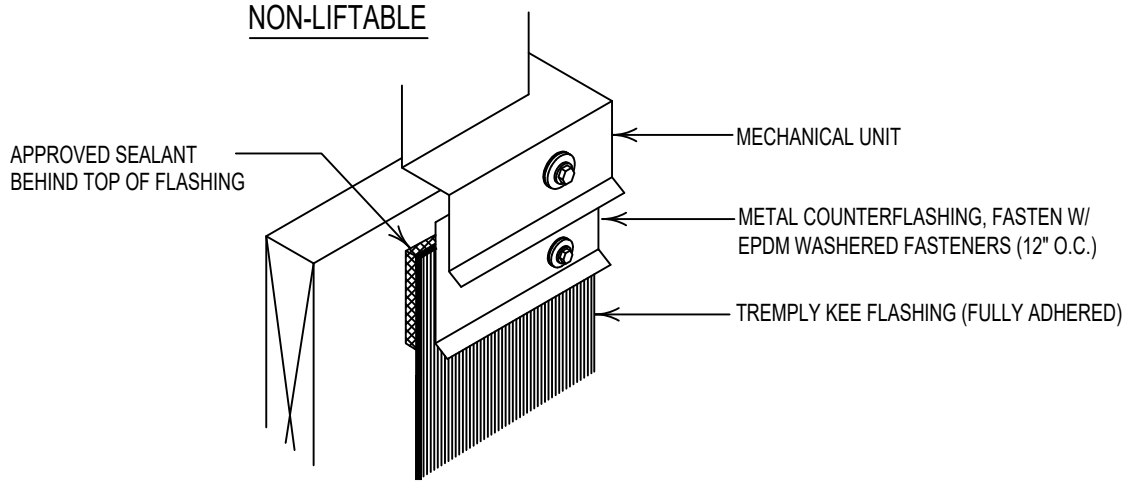


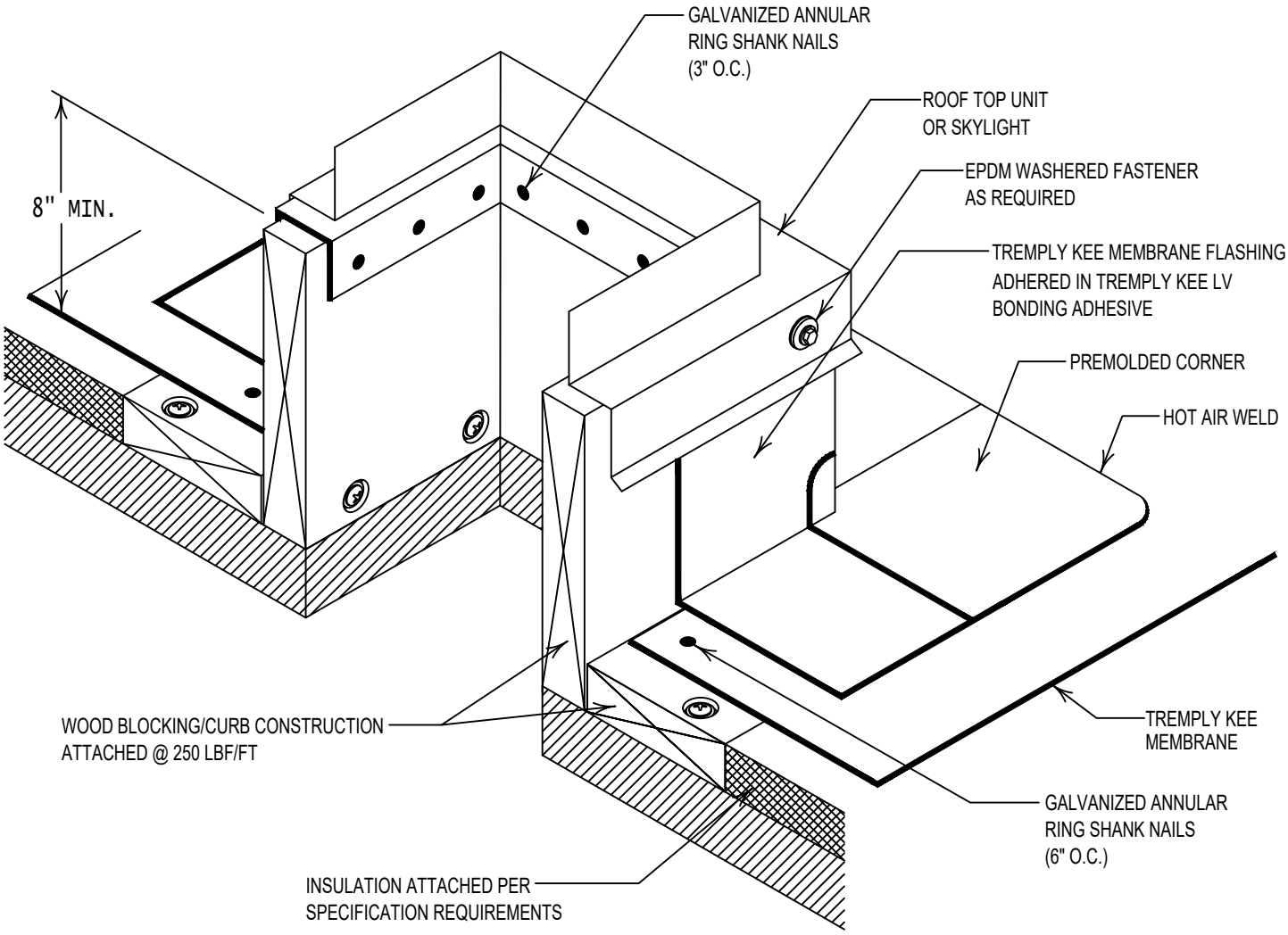
NOTES

1. USE TAPERED ROOF INSULATION (EDGE STRIPS) TO CREATE DRAIN SUMP. IF TOTAL INSULATION THICKNESS IS LESS THAN OR EQUAL TO 1 1/2 IN., TAPER 12 IN. FROM THE DRAIN CENTER. IF TOTAL INSULATION THICKNESS IS GREATER THAN 1 1/2 IN., TAPER 18 IN. FROM DRAIN CENTER.

TREMCO Roofing & Building Maintenance	SHEET TITLE: TYPICAL DRAIN FLASHING	SCALE: NTS DRAWING No.: DWG NO. 113

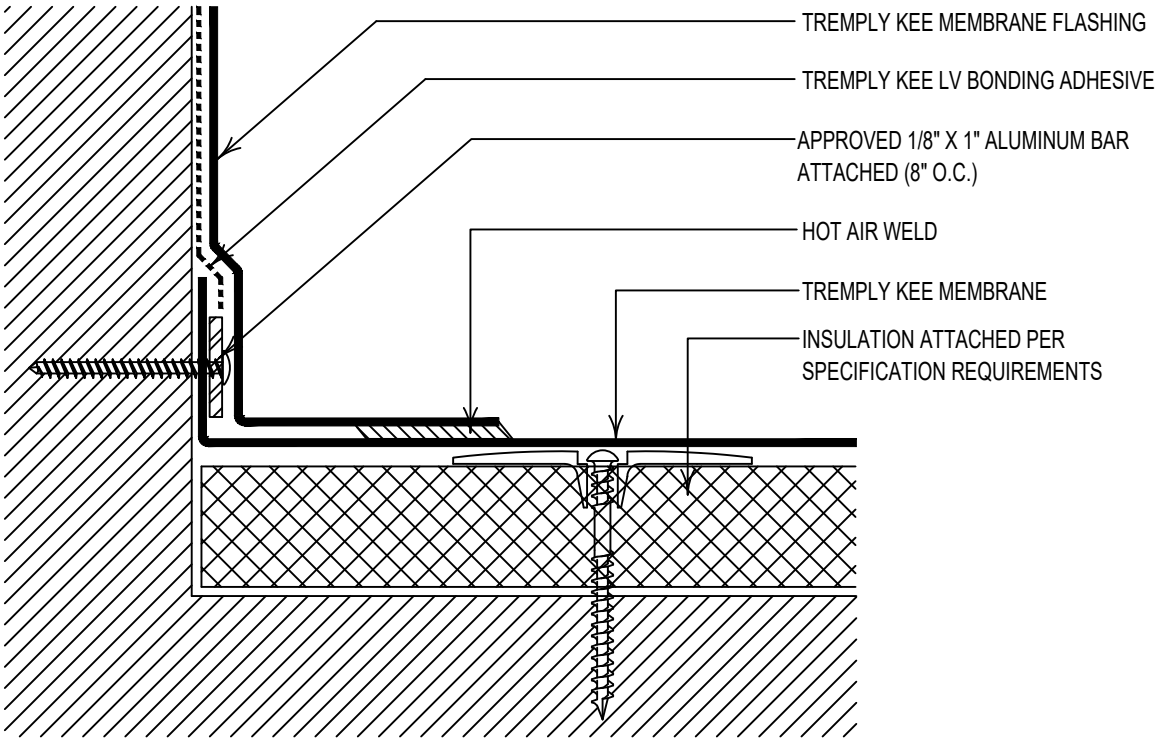
NON-LIFTABLE

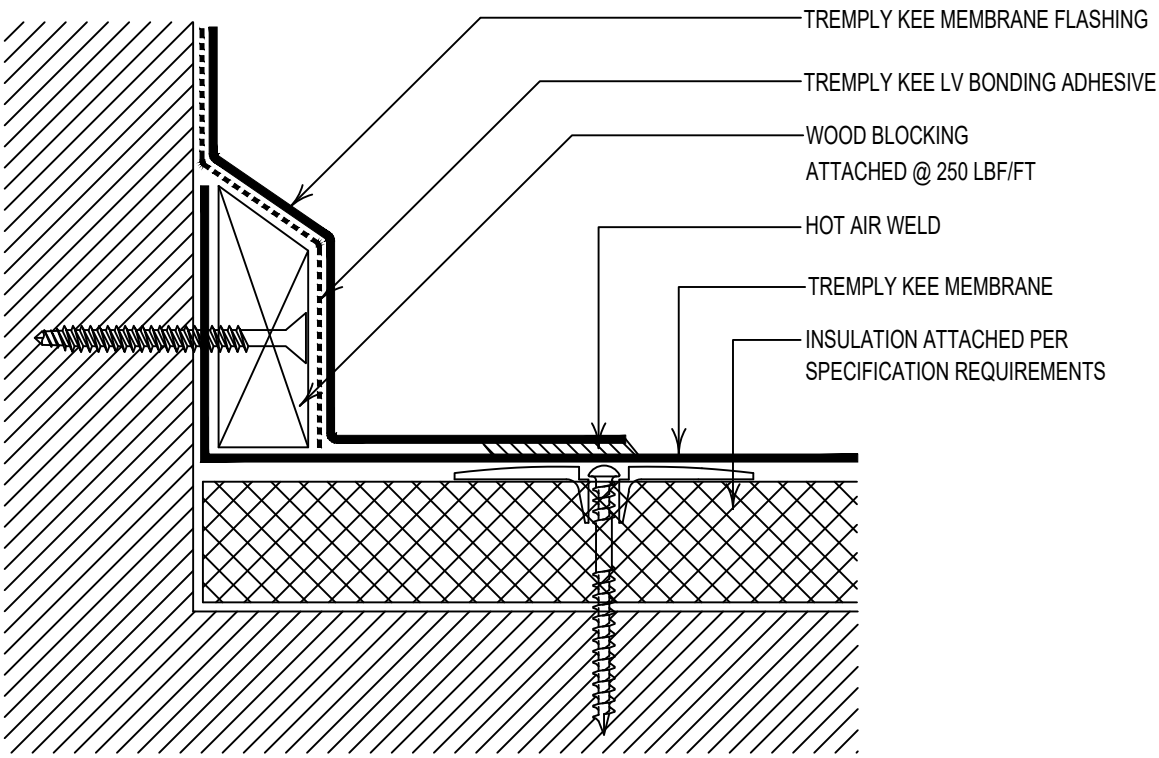




TREMCO Roofing & Building Maintenance	SHEET TITLE: TYPICAL WOOD OR SKYLIGHT CURB FLASHING	SCALE: NTS DRAWING No.: DWG NO. 125

2023



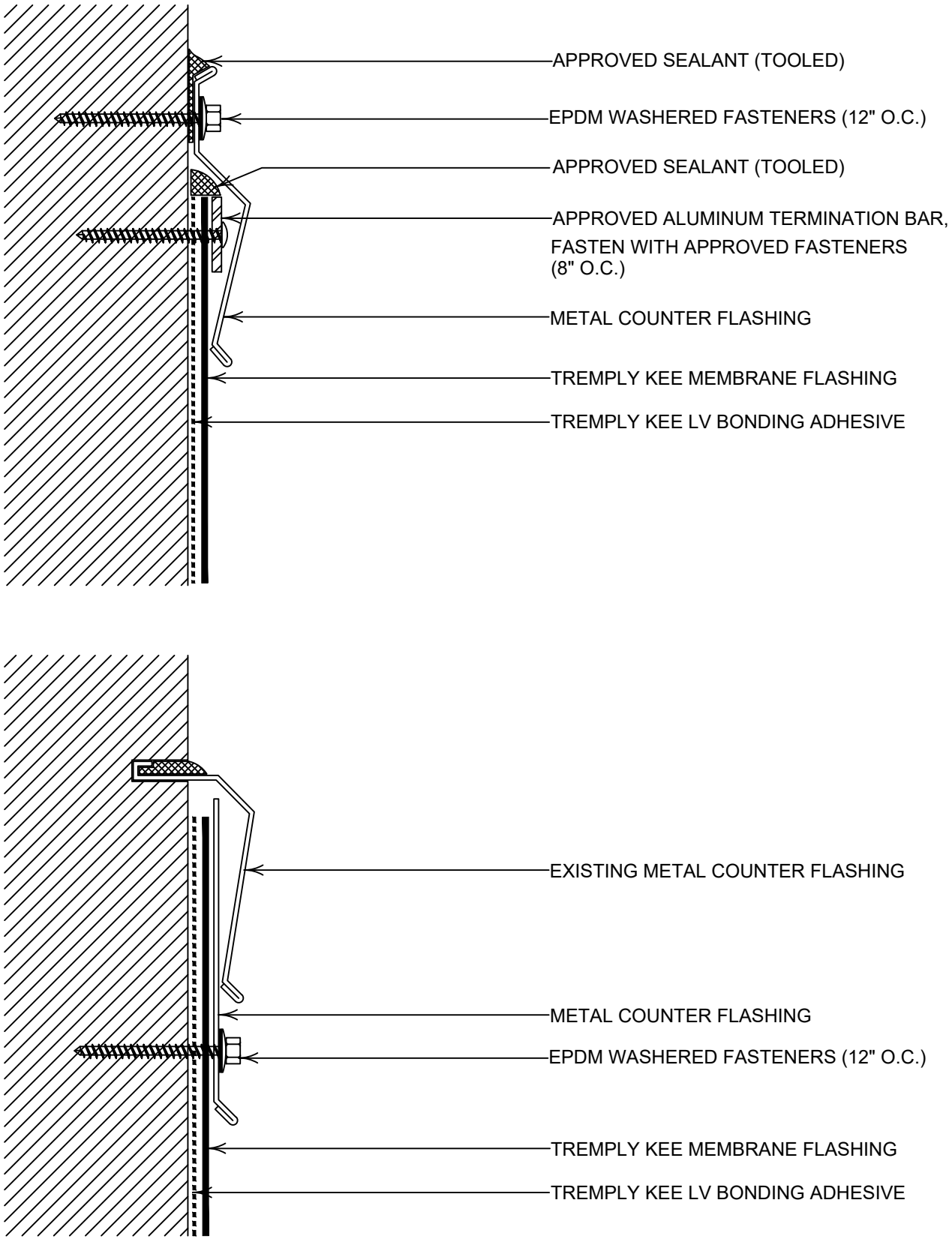


TREMCO
Roofing & Building Maintenance

SHEET TITLE:
WALL FLASHING ALTERNATE
"BASE" SECUREMENT

SCALE:
NTS

DRAWING No.:
DWG NO. 131



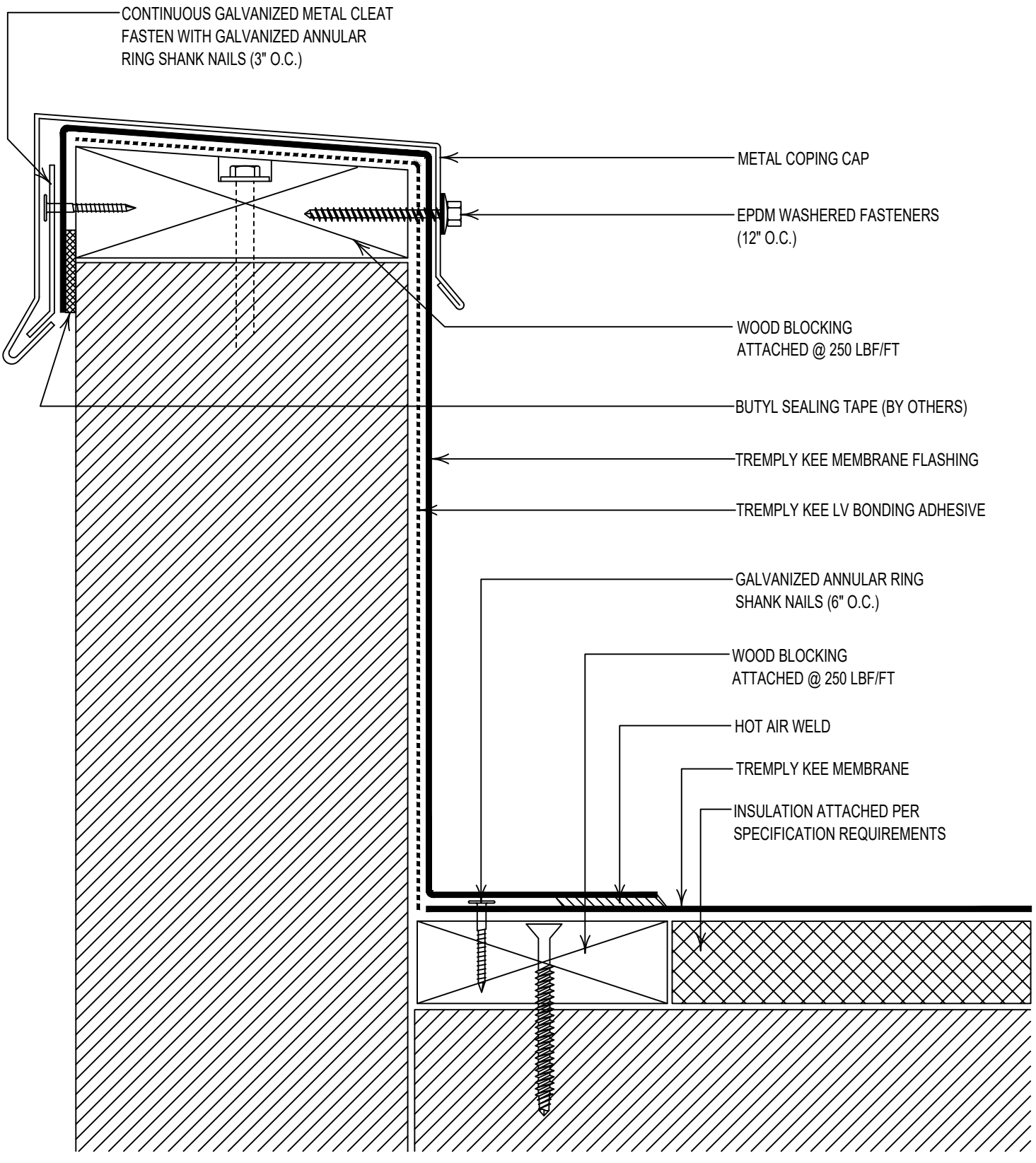
TREMCO
Roofing & Building Maintenance

SHEET TITLE:
WALL FLASHING ALTERNATE TERMINATIONS

SCALE:
NTS

DRAWING No.:
DWG NO. 132

2023



TREMCO
Roofing & Building Maintenance

SHEET TITLE:
WALL FLASHING WITH
METAL CAP FLASHING

SCALE:
NTS

DRAWING No.:
DWG NO. 130

2023