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Addendum No. 1

Date Issued: July 15, 2024

Project: Francis Marion University
Deferred Maintenance – McNair and Leatherman Roofs
4822 E Palmetto Street
Florence, SC 29506

WMBE Project Number: 2024-81

Attachments: 1. Pre-Bid Sign-In Sheet
2. Questions and Answers
3. Bid Form
4. Revised Contract Drawings

This addendum modifies the Contract Documents as stated herein and shown on any accompanying drawings or attachments and is part of the Contract Documents.

Bidder shall acknowledge receipt of all addenda issued in the space provided on the Bid Form. Failure to acknowledge addenda may result in the bidders bid being rejected as non-responsive.

This addendum consists of 17 pages including attachments.

1. Changes to Bidding Requirements:
 - a. Replace Bid Form with Attached Bid Form.
2. Changes to Specifications:
 - a. Change Specification Section 024119, 1.2, 1, d FROM “Roof Area E – Approximately 3 Squares” TO “Roof Area F – Approximately 3 Squares”.
3. Changes to Drawings:
 - a. Replace R-1.3 with the attached.
 - b. Replace R-1.5 with the attached.
 - c. Replace R-1.6 with the attached.

- d. Replace D-1.1 with the attached.
- e. Replace D-2.1 with the attached.

End of Addendum No. 1



Pre-Bid
Francis Marion University
Deferred Maintenance – McNair and Leatherman Roofs
State Project #: H18-9586-PD
WM Project # 2024-81
July 09, 2024
Sign In Sheet

NAME	COMPANY	PHONE	E-MAIL
Lee Capotosti	Francis Marion University	843-616-8959	Lee.capotosti@fmarion.edu
Joe Baker	WM Building Envelope Consultants	843-499-2756	joe@wmbeconsultants.com
Adam Petersen	Rike Roofing	803-833-2296	adam@rikerroofing.com tripp@rikerroofing.com
Rhett Jones	Spann Roofing	843-457-6061	rhett@spannroofing.com
Terry Lane	Land Roofing	803-968-7200	landroofingcompany@gmail.com
Kenneth Fennell	CE Bourne & Co., Inc.	864-377-0743	kenneth@cebourne.com
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Asane	SSC	912-321-6303	contact@ssc.business
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NAME	COMPANY	PHONE	E-MAIL
Matt Walker	Nations Roofing	704-420-4799	mwalker@nationsroof.com
Mark Waldron	Southern Roofing Services	803-236-4400	mark@southernroofing.com
Johhny Atkins	Atkins RFG	803-983-0623	Johnn@atkinsrandm.com
Rodney Cadorette	Porter Roofing	615-533-4734	rodney@porter-foofing.com



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Questions and Answers

1. **Question:** In Section 024119, 1.2, A, 1, d references Roof Area E. Can you please confirm that this is not intended to be Roof Area F?
A. **Answer:** This should read “Roof Area F – Approximately 3 squares”. The roof areas for replacement in the Base Bid are Roof Areas A, C, D, and F.
2. **Question:** Can you please clarify Alternate No. 01 and Alternate No. 02 and what they include?
A. **Answer:** Yes, please see attached updated Bid Form.

Alternate No. 01 includes the removal of the existing planter trays, planter materials, protection membrane, sprinkler systems, electrical, etc. from the roof system at Leatherman Science Facility. Roof repairs to the existing roof system, flashings, wall systems, etc. are also included as noted on Roof Repair Plan (Alternate No. 1) on Sheet R-1.5.

Alternate No. 02 includes select roof repairs at areas not being replaced at McNair Science Building. Roof repairs to the existing roof system, flashings, wall systems, etc. are also included as noted on Roof Repair Plan (Alternate No. 2) on Sheet R-1.6.
3. **Question:** Thru Wall Flashing replacement details have been included. Can you please clarify where these details/work is required?
A. **Answer:** See the updated New Roof Plans (Base Bid) R-1.3 for the locations. Locations are at the expansion joint to wall termination on Roof Area D.
4. **Question:** If Contractors would like to revisit the site/roof, how is this completed?
A. **Answer:** Please contact Lee Capotosti at lee.capotosti@fmarion.edu.
5. **Question:** Is the existing Lightning protection required to be recertified?
A. **Answer:** No.
6. **Question:** Can you please clarify the clouding on Sheet R-1.1? There are square footage numbers beside the clouding.

- A. **Answer:** These are the approximate locations of thermal anomalies during the infrared scan performed.
7. **Question:** Can you please clarify the base flashing detail to be provided at the base of the curtain wall?
- A. **Answer:** The existing counterflashing is surface mounted. The new base flashing shall be provided with 3 course mastic and fabric provided over the top of the base flashing. The counterflashing shall be surface mounted, similar to existing, and/or extending under existing counterflashing at the base of the curtain wall.
8. **Question:** Drawing R-1.3 at Roof Area D refers to detail D-1.1-5 should this one be D-1.1-6 base flashing at curtain wall?
- A. **Answer:** Please see the revised R-1.3 with corrected detail cuts.
9. **Question:** Drawings R1.3 at Roof Area D refers to detail D-1.1-6 should this one be D-1.1-7 base flashing at expansion joint?
- A. **Answer:** Please see the revised R-1.3 with corrected detail cuts.
10. **Question:** Drawings R1.3 at Roof Area F refers to detail D-1.1-5 should be this one be D-1.1-6 base flashing at curtain wall?
- A. **Answer:** Please see the revised R-1.3 with corrected detail cuts.
11. **Question:** Just wanted to confirm that for Alternate 2 as shown on drawing R1.6, we are only figuring the removal of abandoned penetrations and patch the roof system at locations with marked with #12 and installing flush mounted wall panels with flashing and trim at the brick walls of the stairwells/penthouses?
- A. **Answer:** Please see attached updated R-1.6 with additional repair locations.
12. **Question:** Just wanted to confirm that Alternate 1 is to include the removal of planter trays and related materials and the repairs as marked with the numbers detailed on drawing R1.5? The bid form just states the removal of existing planter trays and related materials without and does not refer to the repairs.
- A. **Answer:** Yes, please see attached updated Bid Form.
13. **Question:** Also did not see detail D-1.1-8 thru wall flashing repair noted on any of the drawings, in what area will this detail be required if at all?
- A. **Answer:** Please see the revised R-1.3 with corrected detail cuts.

SE-330 LUMP SUM BID FORM

Bidders shall submit bids on only Bid Form SE-330.

BID SUBMITTED BY: _____
(Bidder's Name)

BID SUBMITTED TO: Francis Marion University
(Agency's Name)

FOR: PROJECT NAME: Deferred Maintenance - McNair and Leatherman Roofs
PROJECT NUMBER: H18-9586-PD

OFFER

§ 1. In response to the Invitation for Construction Services and in compliance with the Instructions to Bidders for the above-named Project, the undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with the Agency on the terms included in the Bidding Documents, and to perform all Work as specified or indicated in the Bidding Documents, for the prices and within the time frames indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

§ 2. Pursuant to SC Code § 11-35-3030(1), Bidder has submitted Bid Security in the amount and form required by the Bidding Documents.

§ 3. Bidder acknowledges the receipt of the following Addenda to the Bidding Documents and has incorporated the effects of said Addenda into this Bid:

(Bidder, check all that apply. Note, there may be more boxes than actual addenda. Do not check boxes that do not apply)

ADDENDA: #1 #2 #3 #4 #5

§ 4. Bidder accepts all terms and conditions of the Invitation for Bids, including, without limitation, those dealing with the disposition of Bid Security. Bidder agrees that this Bid, including all Bid Alternates, if any, may not be revoked or withdrawn after the opening of bids, and shall remain open for acceptance for a period of **60** Days following the Bid Date, or for such longer period of time that Bidder may agree to in writing upon request of the Agency.

§ 5. Bidder herewith offers to provide all labor, materials, equipment, tools of trades and labor, accessories, appliances, warranties and guarantees, and to pay all royalties, fees, permits, licenses and applicable taxes necessary to complete the following items of construction work:

§ 6.1 **BASE BID WORK** *(as indicated in the Bidding Documents and generally described as follows):* Base Bid includes selective roof replacement of Roof Areas A, C, D, and F for approximately 41 squares. Roof replacement includes removal of existing roof system down to the roof deck, installation of an insulation system, and installation of a modified bitumen roof system. Associated sheet metal components and accessories are included.

\$ _____, which sum is hereafter called the Base Bid.

(Bidder to insert Base Bid Amount on line above)

SE-330 LUMP SUM BID FORM

Bidders shall submit bids on only Bid Form SE-330.

§ 6.2 BID ALTERNATES as indicated in the Bidding Documents and generally described as follows:

ALTERNATE # 1 (Brief Description): Alternate No. 01 includes the removal of the existing planter trays, planter materials, protection membrane, sprinkler systems, electrical, etc. from the roof system at Leatherman Science Facility. Roof repairs to the existing roof system, flashings, wall systems, etc. are also included as noted on Roof Repair Plan (Alternate No. 1) on Sheet R-1.5.

ADD TO or DEDUCT FROM BASE BID: \$ _____

(Bidder to mark appropriate box to clearly indicate the price adjustment offered for each Alternate)

ALTERNATE # 2 (Brief Description): Alternate No. 02 includes select roof repairs at areas not being replaced at McNair Science Building. Roof repairs to the existing roof system, flashings, wall systems, etc. are also included as noted on Roof Repair Plan (Alternate No. 2) on Sheet R-1.6.

ADD TO or DEDUCT FROM BASE BID: \$ _____

(Bidder to mark appropriate box to clearly indicate the price adjustment offered for each Alternate)

ALTERNATE # 3 (Brief Description): _____

ADD TO or DEDUCT FROM BASE BID: \$ _____

(Bidder to mark appropriate box to clearly indicate the price adjustment offered for each Alternate)

§ 6.3 UNIT PRICES:

BIDDER offers for the Agency’s consideration and use, the following UNIT PRICES. The UNIT PRICES offered by BIDDER indicate the amount to be added to or deducted from the CONTRACT SUM for each item-unit combination. UNIT PRICES include all costs to the Agency, including those for materials, labor, equipment, tools of trades and labor, fees, taxes, insurance, bonding, overhead, profit, etc. The Agency reserves the right to include or not to include any of the following UNIT PRICES in the Contract and to negotiate the UNIT PRICES with BIDDER prior to including in the Contract.

No.	ITEM	UNIT OF MEASURE	ADD	DEDUCT
1.	2x6 Nailer Replacemnt	250 LF	\$	\$
2.	LWIC Roof Deck Repair	50 SF	\$	\$
3.	Roof Membrane Replacement	250 SF	\$	\$
4.	Base Flashing Replacement	60 LF	\$	\$
5.	Retrofit Roof Drain Installation	1EA	\$	\$
6.	Pitch Pan Replacement	1EA	\$	\$

**SE-330
LUMP SUM BID FORM**

§ 7. LISTING OF PROPOSED SUBCONTRACTORS PURSUANT TO SECTION 3020(b)(i), CHAPTER 35, TITLE 11 OF THE SOUTH CAROLINA CODE OF LAWS, AS AMENDED
(See Instructions on the following page BF-2A)

Bidder shall use the below-listed Subcontractors in the performance of the Subcontractor Classification work listed:

(A) SUBCONTRACTOR LICENSE CLASSIFICATION or SUBCLASSIFICATION NAME <i>(Completed by Agency)</i>	(B) LICENSE CLASSIFICATION or SUBCLASSIFICATION ABBREVIATION <i>(Completed by Agency)</i>	(C) SUBCONTRACTOR and/or PRIME CONTRACTOR <i>(Required - must be completed by Bidder)</i>	(D) SUBCONTRACTOR'S and/or PRIME CONTRACTOR'S SC LICENSE NUMBER <i>(Requested, but not Required)</i>
BASE BID			
"NO SUBCONTRACTOR LISING REQUIRED"			
ALTERNATE #1			
"NO SUBCONTRACTOR LISING REQUIRED"			
ALTERNATE #2			
"NO SUBCONTRACTOR LISING REQUIRED"			
ALTERNATE #3			
NA			

If a Bid Alternate is accepted, Subcontractors listed for the Bid Alternate shall be used for the work of both the Alternate and the Base Bid work.

SE-330 LUMP SUM BID FORM

INSTRUCTIONS FOR SUBCONTRACTOR LISTING

1. Section 7 of the Bid Form sets forth an Agency-developed list of subcontractor license classifications or subclassifications for which Bidder is required to identify the entity (subcontractor(s) and/or himself) Bidder will use to perform this work.
 - a. **Columns A & B:** The Agency fills out these columns to identify the subcontractor license classification / subclassification and related license abbreviation for which the Bidder must list either a subcontractor or himself as the entity that will perform this work. In Column A, the subcontractor license classification/subclassification is identified by name and in Column B, the related contractor license abbreviation (per Title 40 of the SC Code of Laws) is listed. Abbreviations of licenses can be found at: <https://lir.sc.gov/clb/PDFFiles/CLBClassificationAbbreviations.pdf>. If the Agency has not identified a subcontractor license classification/subclassification, the Bidder does not list a subcontractor.
 - b. **Columns C and D:** In these columns, the Bidder identifies the subcontractors it will use for the work of each license listed by the Agency in Columns A & B. Bidder must identify only the subcontractor(s) who will perform the work and no others. Bidders must make sure that their identification of each subcontractor is clear and unambiguous. A listing that could be any number of different entities may be cause for rejection of the bid as non-responsive. For example, a listing of M&M without additional information may be problematic if there are multiple different licensed contractors in South Carolina whose names start with M&M.
2. **Subcontractor Defined:** For purposes of subcontractor listing, a subcontractor is an entity who will perform work or render service to the prime contractor to or about the construction site pursuant to a contract with the prime contractor. Bidder should not identify sub-subcontractors in the spaces provided on the bid form but only those entities with which Bidder will contract directly. Likewise, do not identify material suppliers, manufacturers, and fabricators that will not perform physical work at the site of the project but will only supply materials or equipment to the Bidder or proposed subcontractor(s).
3. **Subcontractor Qualifications:** Bidder must only list subcontractors who possess a South Carolina contractor's license that includes the license classification and/or subclassification identified by the Agency in Columns A & B. The subcontractor license must also be within the appropriate license group for the work. If Bidder lists a subcontractor who is not qualified to perform the work, the Bidder will be rejected as non-responsive.
4. **Use of Own forces:** If, under the terms of the Bidding Documents and SC Contractor Licensing laws, Bidder is qualified to perform the work of a listed subcontractor classification or subclassification and Bidder does not intend to subcontract such work but to use Bidder's own employees to perform such work, the Bidder must insert itself in the space provided.
5. **Use of Multiple Subcontractors:**
 - a. If Bidder intends to use multiple subcontractors to perform the work of a single license classification/subclassification, Bidder must insert the name of each subcontractor Bidder will use, preferably separating the name of each by the word "and". If Bidder intends to use both his own employees to perform a part of the work of a single license classification/subclassification and to use one or more subcontractors to perform the remaining work, Bidder must insert itself and each subcontractor, preferably separating them with the word "and". Bidder must use each entity listed for the work of a single license classification/subclassification in the performance of that work.
 - b. **Optional Listing Prohibited:** Bidder may not list multiple subcontractors for a license classification/subclassification in a form that provides the Bidder the option, after bid opening or award, to choose one or more but not all the listed subcontractors to perform the work for which they are listed. A listing, which on its face requires subsequent explanation to determine whether it is an optional listing, is non-responsive. If Bidder intends to use multiple entities to perform the work for a single listing, Bidder must clearly set forth on the bid form such intent. Bidder may accomplish this by simply inserting the word "and" between the names of each entity listed. Agency will reject as non-responsive a listing that contains the names of multiple subcontractors separated by a blank space, the word "or", a virgule (that is a /), or any separator that the Agency may reasonably interpret as an optional listing.
6. If Bidder is awarded the contract, Bidder must, except with the approval of the Agency for good cause shown, use the listed entities to perform the work for which they are listed.
7. If Bidder is awarded the contract, Bidder will not be allowed to substitute another entity as subcontractor in place of a subcontractor listed in Section 7 of the Bid except for one or more of the reasons allowed by the SC Code of Laws.
8. Bidder's failure to identify an entity (subcontractor or himself) to perform the work of a subcontractor listed in Columns A & B will render the Bid non-responsive.

SE-330 LUMP SUM BID FORM

§ 8. LIST OF MANUFACTURERS, MATERIAL SUPPLIERS, AND SUBCONTRACTORS OTHER THAN SUBCONTRACTORS LISTED IN SECTION 7 ABOVE (*FOR INFORMATION ONLY*):

Pursuant to instructions in the Invitation for Construction Services, if any, Bidder will provide to Agency upon the Agency's request and within 24 hours of such request, a listing of manufacturers, material suppliers, and subcontractors, other than those listed in Section 7 above, that Bidder intends to use on the project. Bidder acknowledges and agrees that this list is provided for purposes of determining responsibility and not pursuant to the subcontractor listing requirements of SC Code § 11-35-3020(b)(i).

§ 9. TIME OF CONTRACT PERFORMANCE AND LIQUIDATED DAMAGES

a) CONTRACT TIME

Bidder agrees that the Date of Commencement of the Work shall be established in a Notice to Proceed to be issued by the Agency. Bidder agrees to substantially complete the Work within 60 Calendar Days from the Date of Commencement, subject to adjustments as provided in the Contract Documents.

b) LIQUIDATED DAMAGES

Bidder further agrees that from the compensation to be paid, the Agency shall retain as Liquidated Damages the amount of \$ 200 for each Calendar Day the actual construction time required to achieve Substantial Completion exceeds the specified or adjusted time for Substantial Completion as provided in the Contract Documents. This amount is intended by the parties as the predetermined measure of compensation for actual damages, not as a penalty for nonperformance.

§ 10. AGREEMENTS

- a) Bidder agrees that this bid is subject to the requirements of the laws of the State of South Carolina.
- b) Bidder agrees that at any time prior to the issuance of the Notice to Proceed for this Project, this Project may be canceled for the convenience of, and without cost to, the State.
- c) Bidder agrees that neither the State of South Carolina nor any of its agencies, employees or agents shall be responsible for any bid preparation costs, or any costs or charges of any type, should all bids be rejected or the Project canceled for any reason prior to the issuance of the Notice to Proceed.

§ 11. ELECTRONIC BID BOND

By signing below, the Principal is affirming that the identified electronic bid bond has been executed and that the Principal and Surety are firmly bound unto the State of South Carolina under the terms and conditions of the AIA Document A310, Bid Bond, referenced in the Bidding Documents.

ELECTRONIC BID BOND NUMBER: _____

SIGNATURE AND TITLE: _____

**SE-330
LUMP SUM BID FORM**

CONTRACTOR'S CLASSIFICATIONS AND SUBCLASSIFICATIONS WITH LIMITATION

SC Contractor's License Number(s): _____

Classification(s) & Limits: _____

Subclassification(s) & Limits: _____

By signing this Bid, the person signing reaffirms all representation and certification made by both the person signing and the Bidder, including without limitation, those appearing in Article 2 of the SCOSE Version of the AIA Document A701, Instructions to Bidders, is expressly incorporated by reference.

BIDDER'S LEGAL NAME: _____

ADDRESS: _____

TELEPHONE: _____

EMAIL: _____

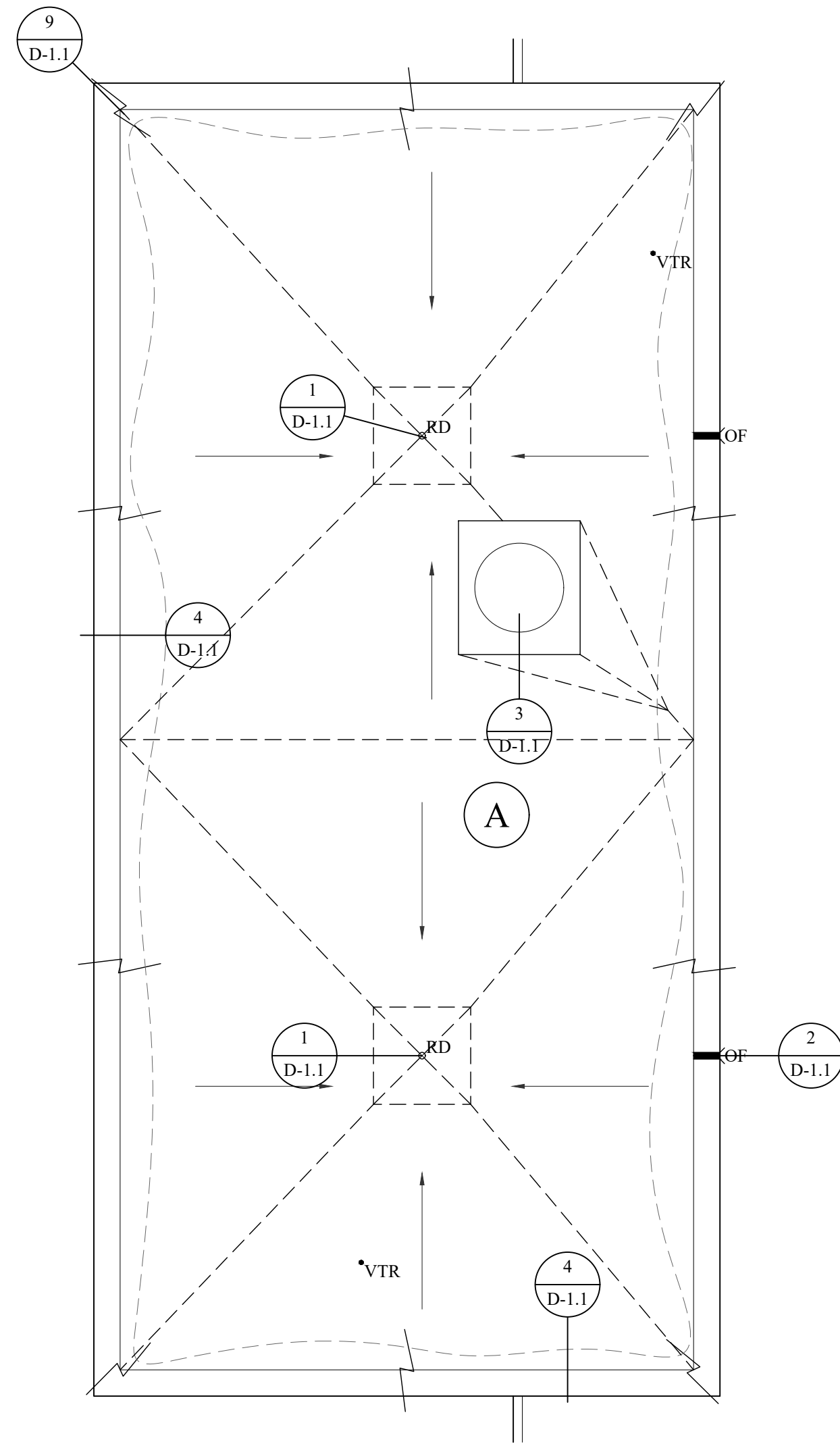
SIGNATURE: _____ **DATE:** _____

PRINT NAME: _____

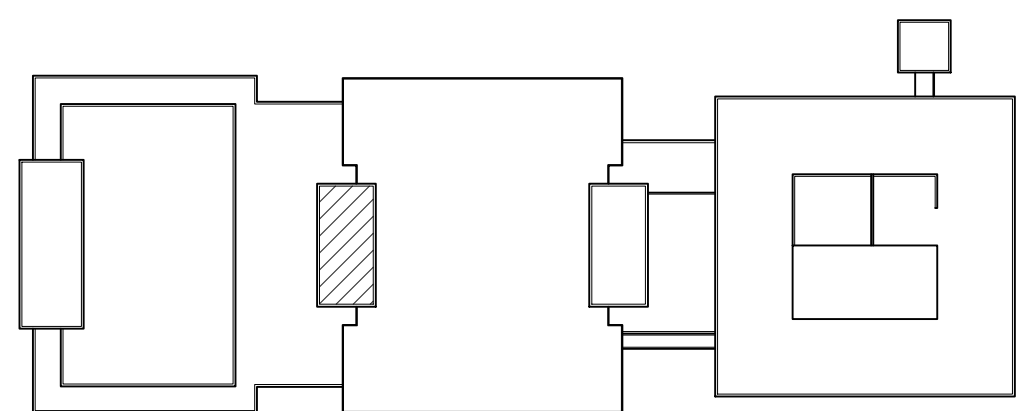
TITLE: _____

NOTE:

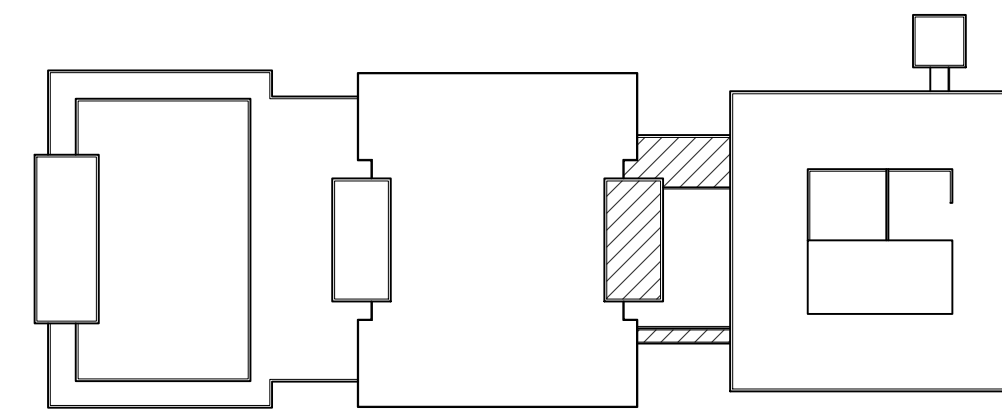
1. ALL EQUIPMENT TO BE RAISED TO PROVIDE A MIN. BASE FLASHING HEIGHT OF 8" OR GREATER FROM TOP OF FINISH ROOF SURFACE.



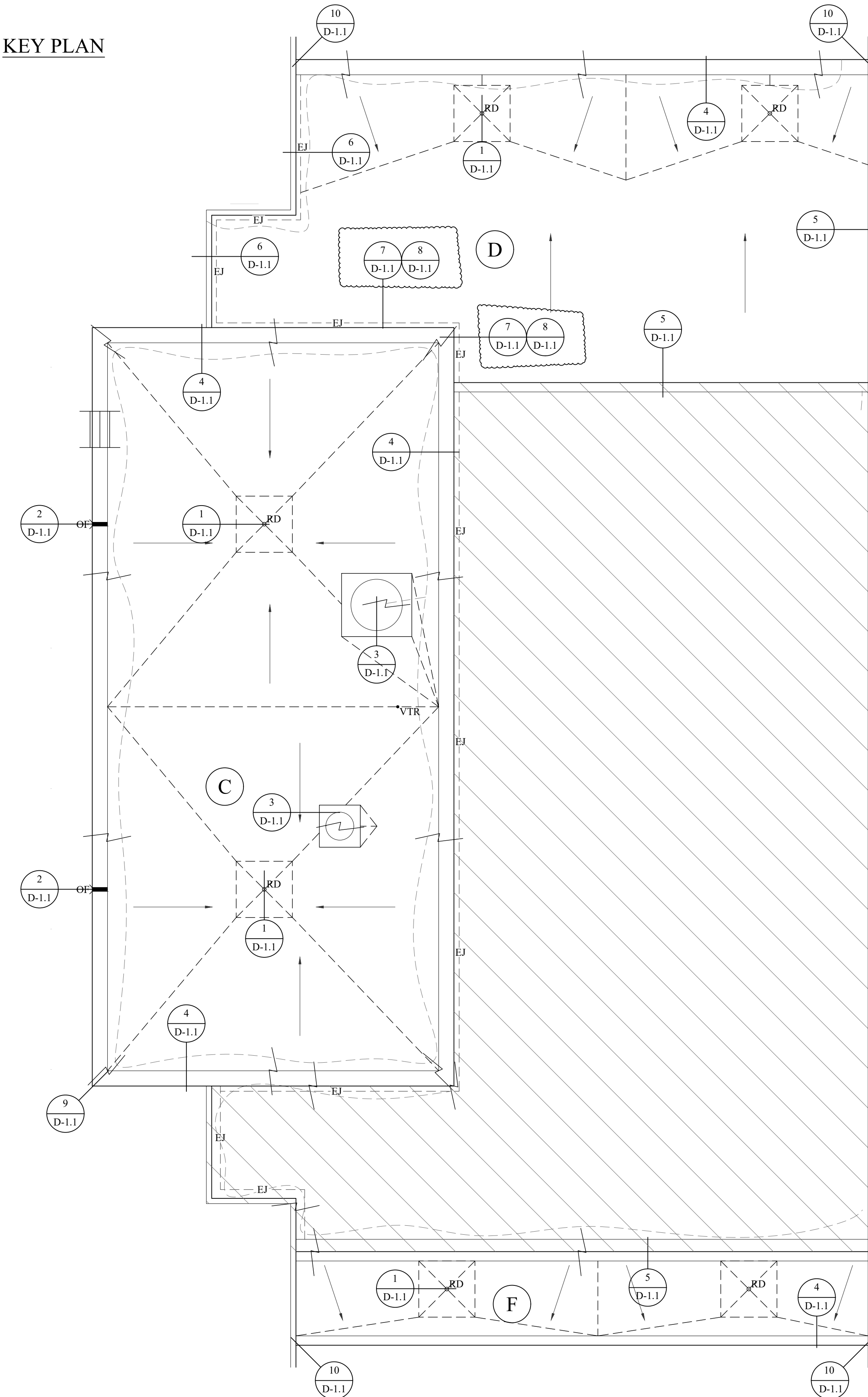
1 NEW ROOF AREA A PLAN (BASE BID)
R-1.3 3/16" = 1'



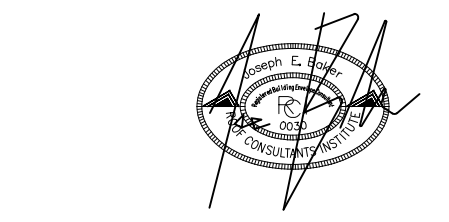
KEY PLAN



KEY PLAN



2 NEW ROOF AREAS C, D, AND F PLAN (BASE BID)
R-1.3 3/16" = 1'



DESIGNED: JB

FRANCIS MARION UNIVERSITY
DEFERRED MAINTENANCE - MCNAIR AND
LATHERMAN ROOFS
PROJECT NO.: H18-9586-PD

4822 E PALMETTO ST
FLORENCE, SC 29506



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CHARLESTON AREA OFFICE

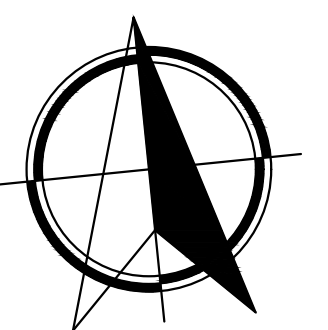
226 N. LIVE OAK DRIVE
MONCK'S CORNER, SOUTH CAROLINA
EMAIL: JOE@WMBECONSULTANTS.COM
EMAIL: MAX@WMBECONSULTANTS.COM

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NORTH



PROJECT NUMBER: 2024-81

CONSTRUCTION DOCUMENTS

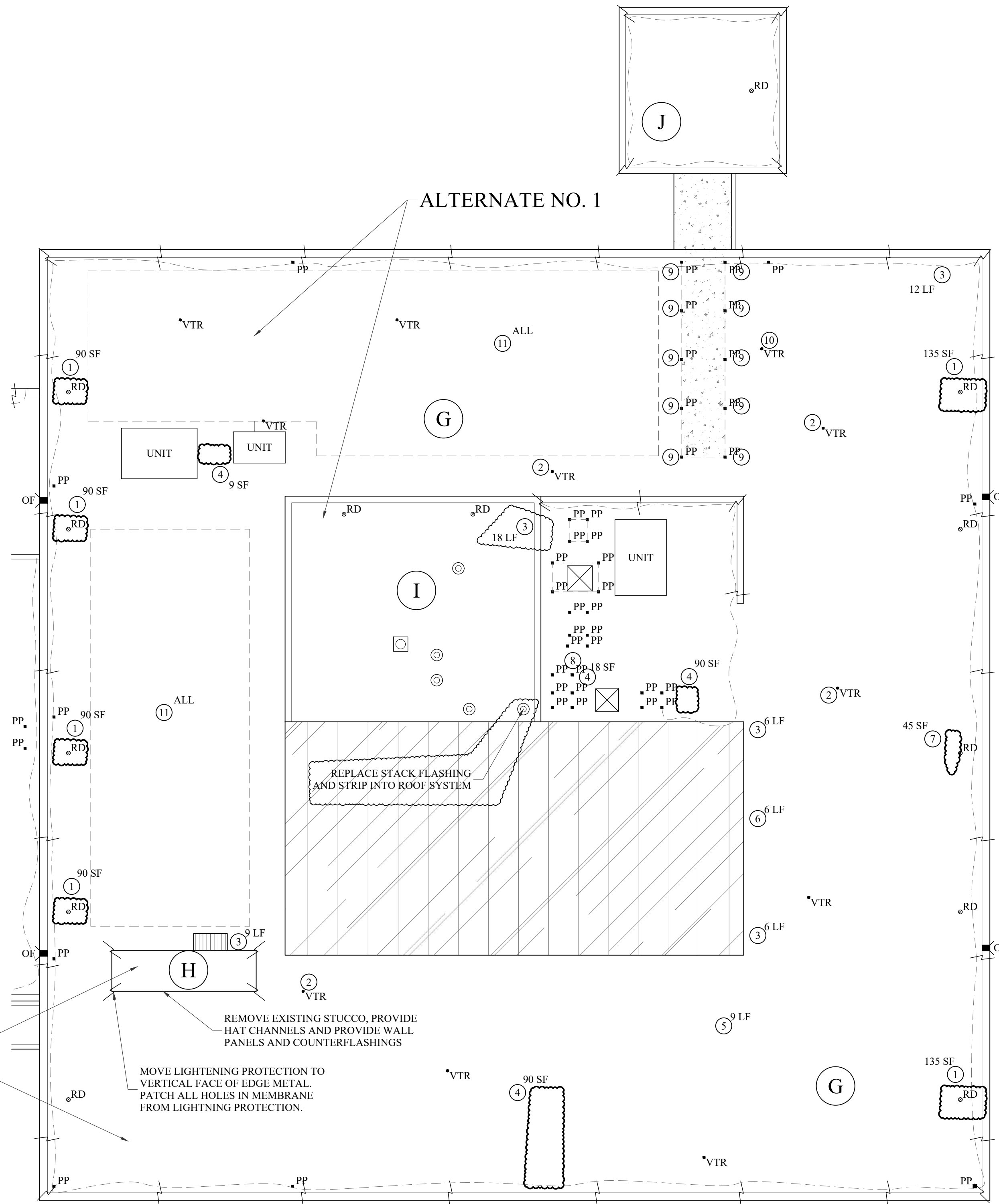
DATE: 06-19-2024

NEW ROOF PLANS
(BASE BID)

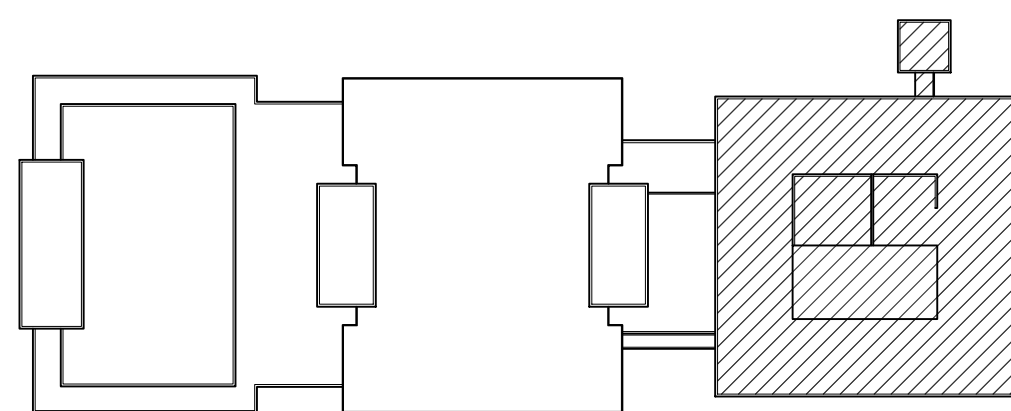
R-1.3

REPAIR NOTES:

1. REFLASH ROOF DRAIN AND PATCH THE ROOF MEMBRANE SURROUNDING THE ROOF DRAIN.
2. REFLASH VENT PIPE PENETRATION.
3. REPLACE BASE FLASHING.
4. CUT AND REMOVE BLISTER(S) IN EXISTING ROOF MEMBRANE SYSTEM. REPAIR ROOF MEMBRANE SYSTEM WHERE BLISTERS ARE REMOVED.
5. REPAIR SPLIT IN ROOF MEMBRANE SYSTEM.
6. CUT AND REMOVE BLISTER IN EXISTING BASE FLASHING SYSTEM. REPAIR BASE FLASHING SYSTEM WHERE BLISTERS ARE REMOVED.
7. CLEAN, PREPARE, AND INSTALL CAP SHEET OVER EXISTING ROOF SYSTEM.
8. CLEAN, PREPARE, AND REFLASH PITCH PAN. PROVIDE SHEET METAL UMBRELLA OVER PITCH PAN.
9. REMOVE PITCH PANS, PROVIDE A TARGET PATCH AROUND EXISTING POST, AND PROVIDE LIQUID APPLIED FLASHING TO PREPARED POST.
10. PROVIDE A TARGET PATCH AROUND THE EXISTING VENT PIPE PENETRATION LEAD FLASHING.
11. REMOVE PLANTERS, DIRT, SACRIFICIAL MEMBRANE, SPRINKLERS, OVERBURDEN, ETC FROM ROOF SYSTEM.
12. REMOVE ABANDONED PENETRATION AND PATCH ROOF SYSTEM.

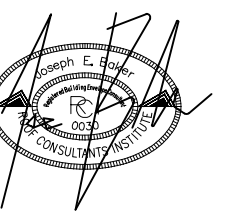


ALTERNATE NO. 1



KEY PLAN

2 ROOF REPAIR PLAN (ALTERNATE NO. 1)
R-1.5 3/32" = 1'



DESIGNED: JB

FRANCIS MARION UNIVERSITY
DEFERRED MAINTENANCE - MCNAIR AND
LATHERMAN ROOFS
PROJECT NO.: H18-9586-PD

4822 E PALMETTO ST
FLORENCE, SC 29506



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EMAIL: CHRIS@WMBECONSULTANTS.COM
EMAIL: DANIEL@WMBECONSULTANTS.COM

CHARLESTON AREA OFFICE

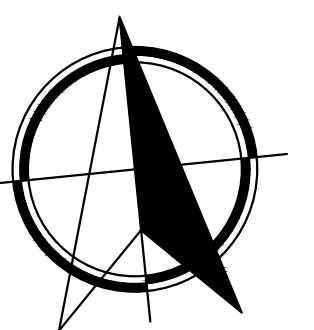
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NORTH



PROJECT NUMBER: 2024-81

CONSTRUCTION DOCUMENTS

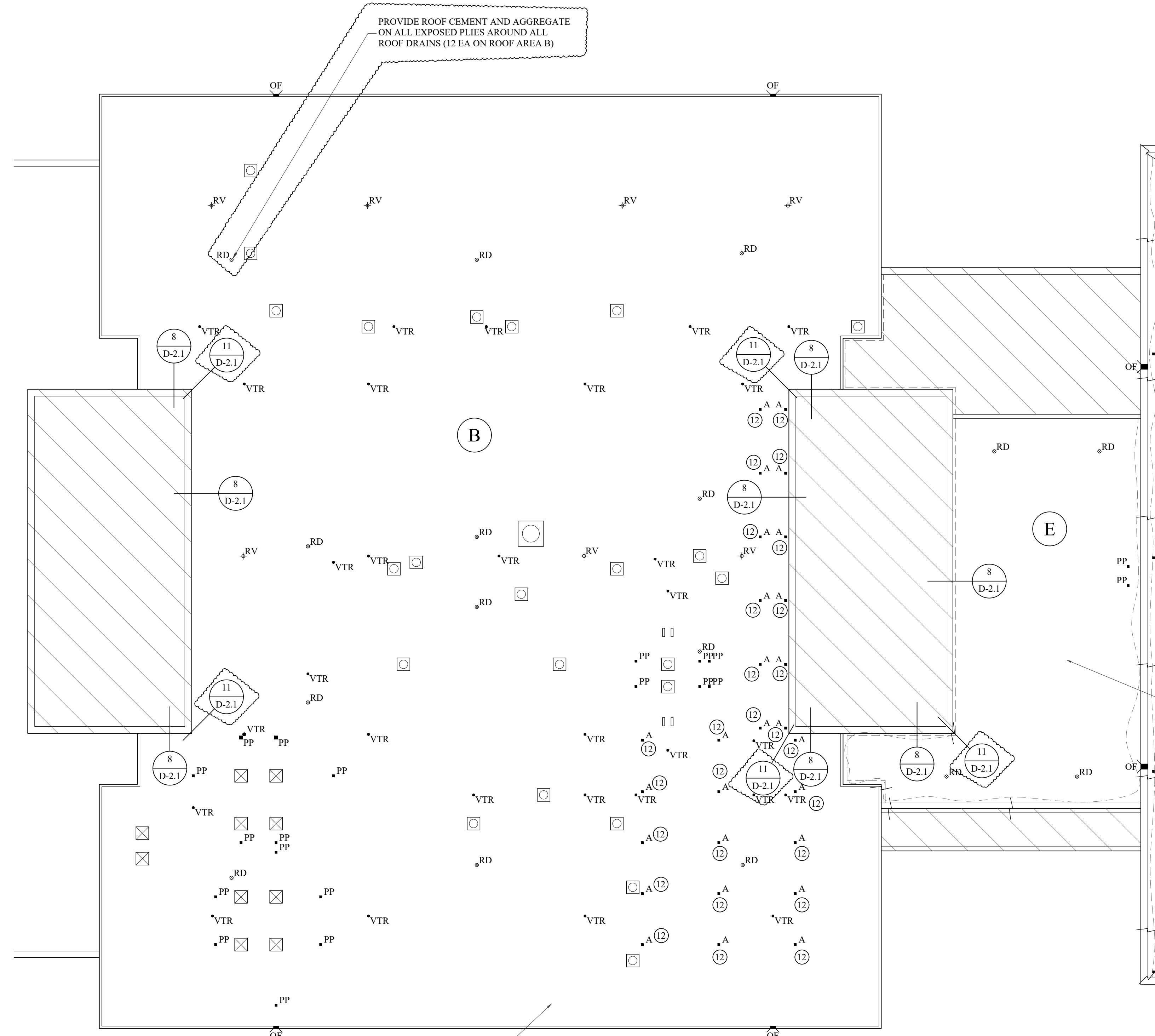
DATE: 06-19-2024

ROOF REPAIR PLAN
(ALTERNATE NO. 1)

R-1.5

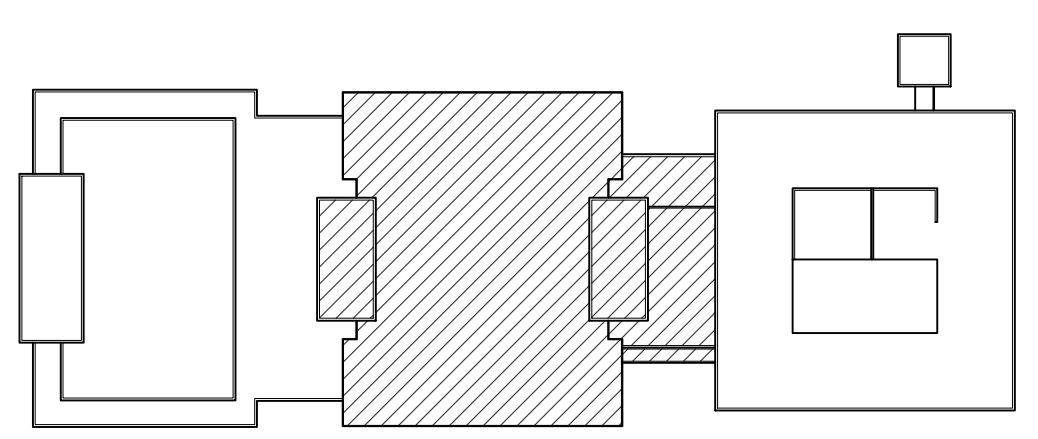
REPAIR NOTES:

1. REFLASH ROOF DRAIN AND PATCH THE ROOF MEMBRANE SURROUNDING THE ROOF DRAIN.
2. REFLASH VENT PIPE PENETRATION.
3. REPLACE BASE FLASHING.
4. CUT AND REMOVE BLISTER(S) IN EXISTING ROOF MEMBRANE SYSTEM. REPAIR ROOF MEMBRANE SYSTEM WHERE BLISTERS ARE REMOVED.
5. REPAIR SPLIT IN ROOF MEMBRANE SYSTEM.
6. CUT AND REMOVE BLISTER IN EXISTING BASE FLASHING SYSTEM. REPAIR BASE FLASHING SYSTEM WHERE BLISTERS ARE REMOVED.
7. CLEAN, PREPARE, AND INSTALL CAP SHEET OVER EXISTING ROOF SYSTEM.
8. CLEAN, PREPARE, AND REFLASH PITCH PAN. PROVIDE SHEET METAL UMBRELLA OVER PITCH PAN.
9. REMOVE PITCH PANS, PROVIDE A TARGET PATCH AROUND EXISTING POST, AND PROVIDE LIQUID APPLIED FLASHING TO PREPARED POST.
10. PROVIDE A TARGET PATCH AROUND THE EXISTING VENT PIPE PENETRATION LEAD FLASHING.
11. REMOVE PLANTERS, DIRT, SACRIFICIAL MEMBRANE, SPRINKLERS, OVERBURDEN, ETC FROM ROOF SYSTEM.
12. REMOVE ABANDONED PENETRATION AND PATCH ROOF SYSTEM.



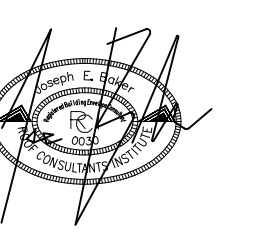
ALTERNATE NO. 2

ALTERNATE NO. 2



KEY PLAN

2 ROOF REPAIR PLAN (ALTERNATE NO. 2)
R-1.6 3/32" = 1'



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PROJECT NO.: H18-9586-PD

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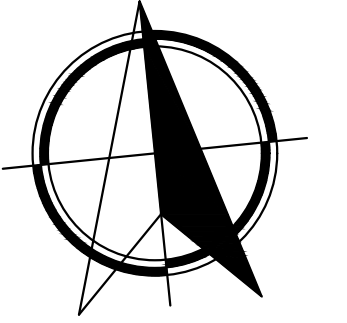
COLUMBIA AREA OFFICE
1611 CHAPIN ROAD
CHAPIN, SOUTH CAROLINA
EMAIL: CHRIS@WMBECONSULTANTS.COM
EMAIL: DANIEL@WMBECONSULTANTS.COM

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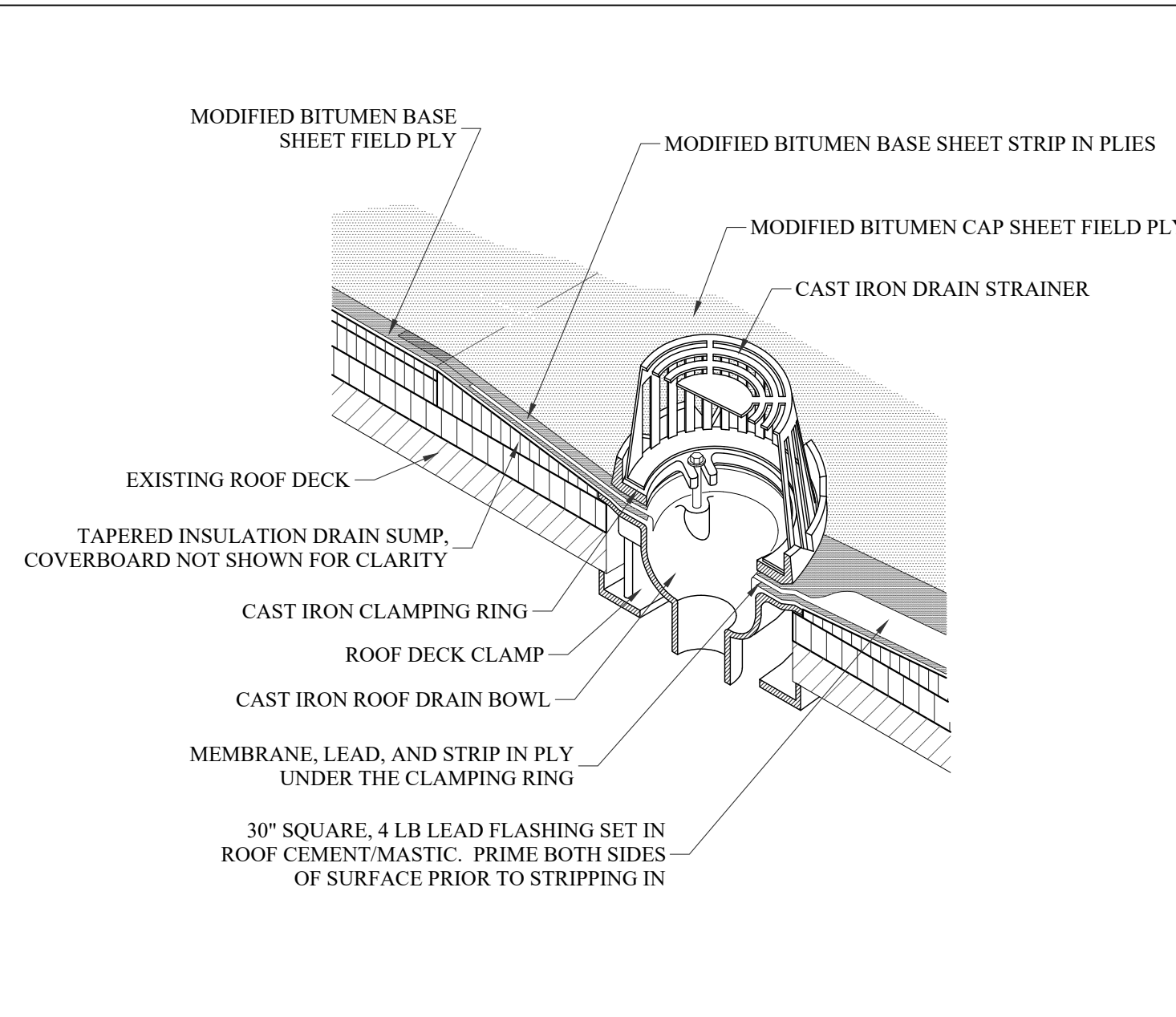
NORTH



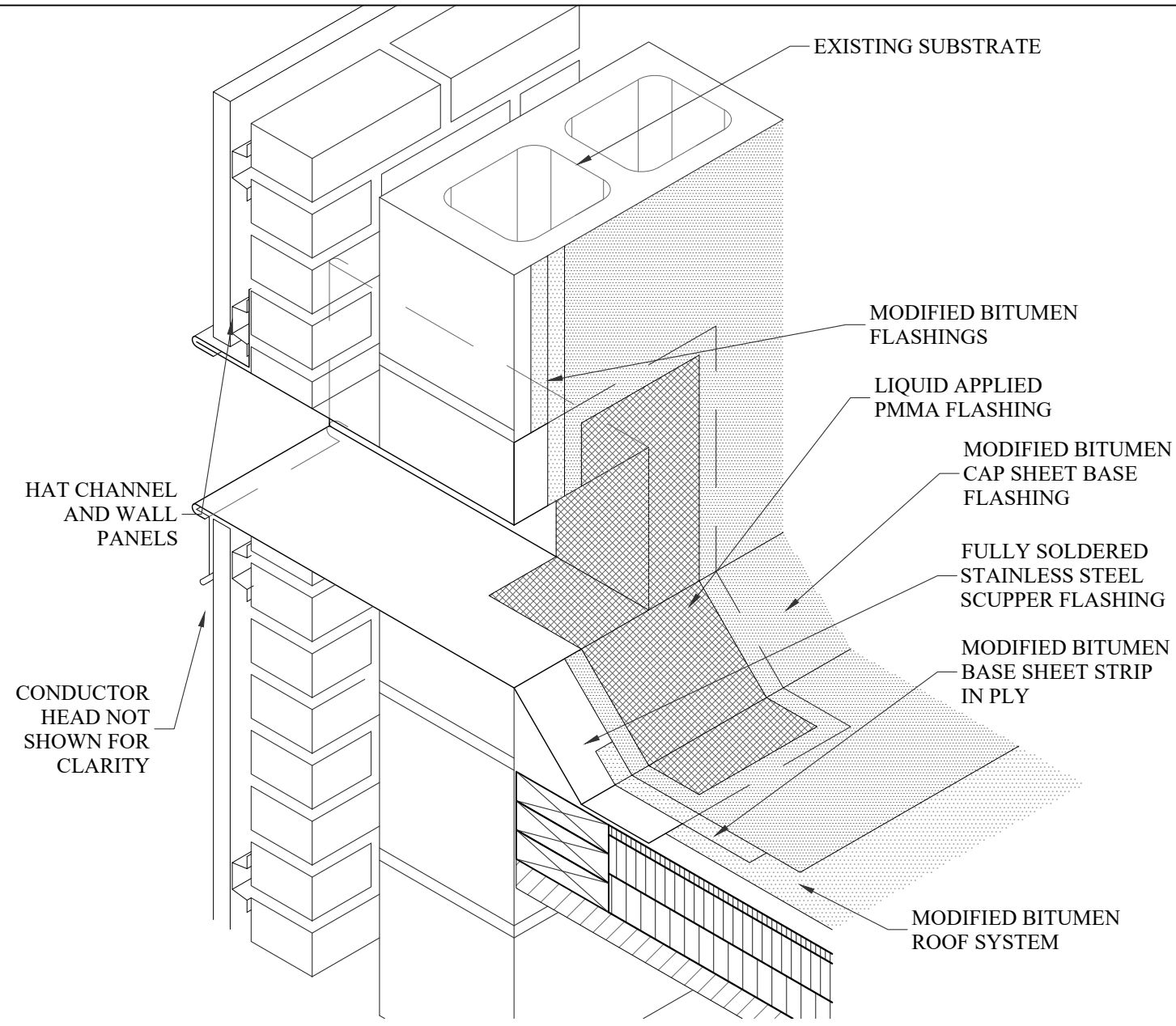
PROJECT NUMBER: 2024-81
CONSTRUCTION DOCUMENTS
DATE: 06-19-2024

ROOF REPAIR PLAN
(ALTERNATE NO. 2)

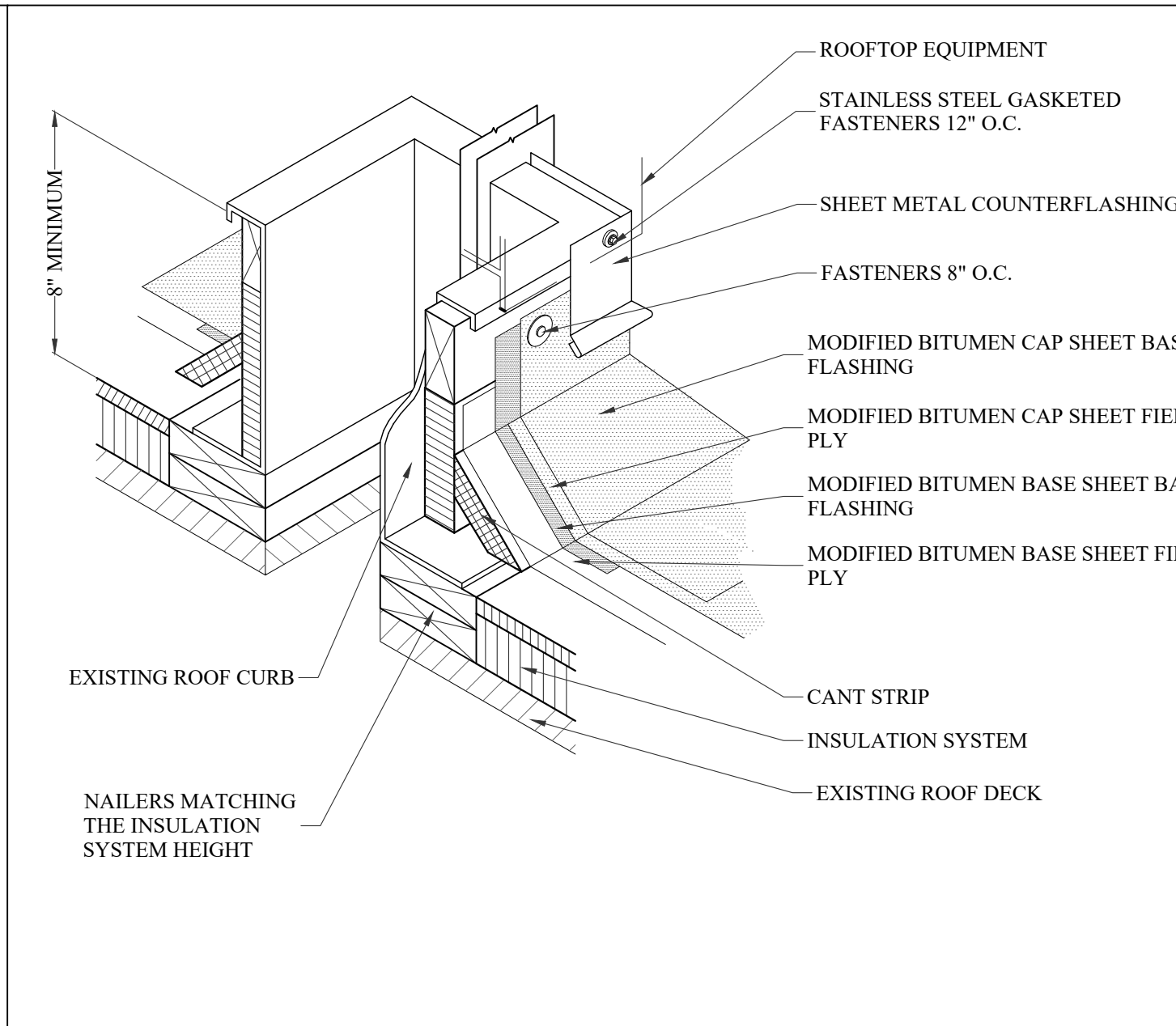
R-1.6



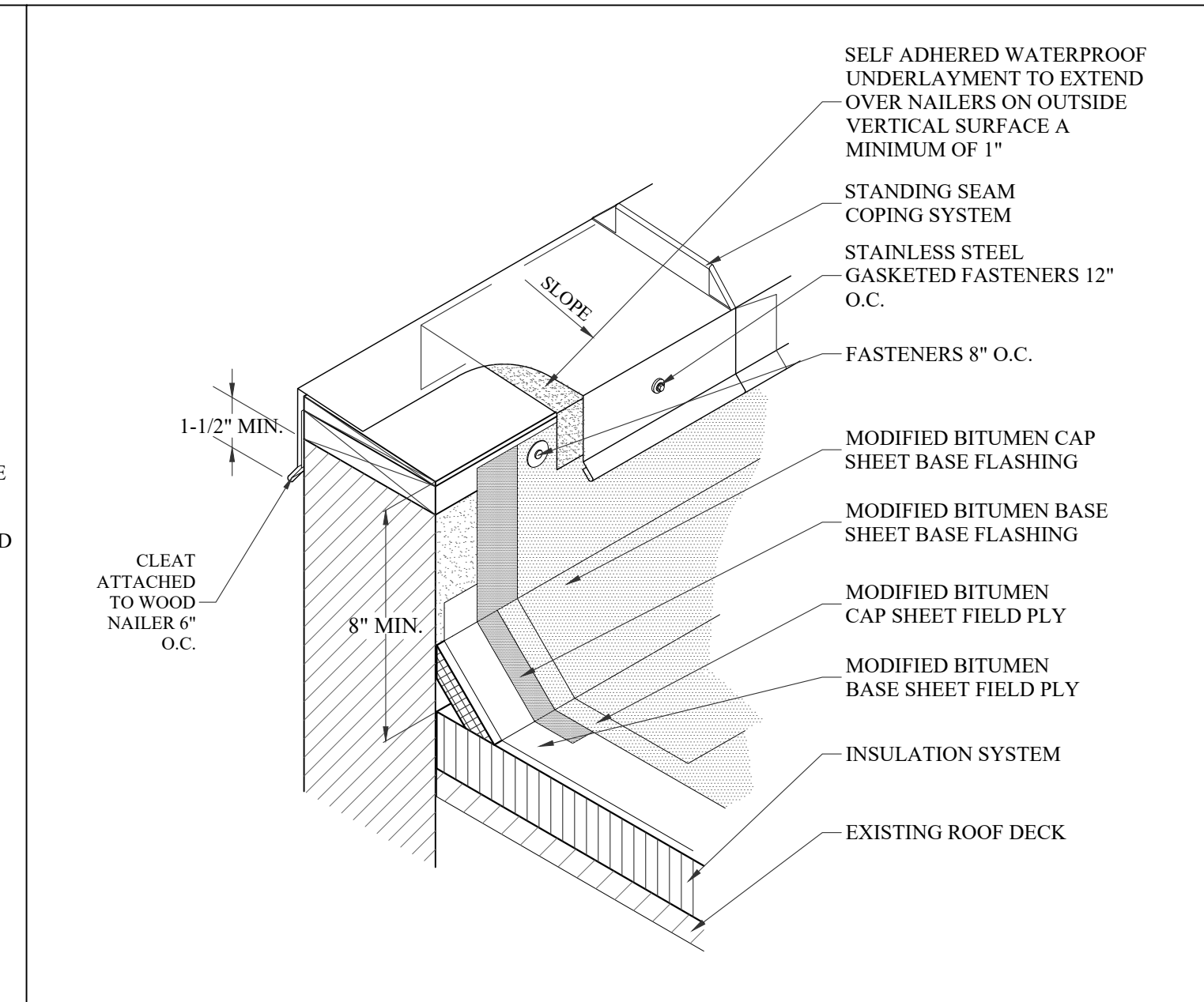
1 ROOF DRAIN
D-1.1 N.T.S.



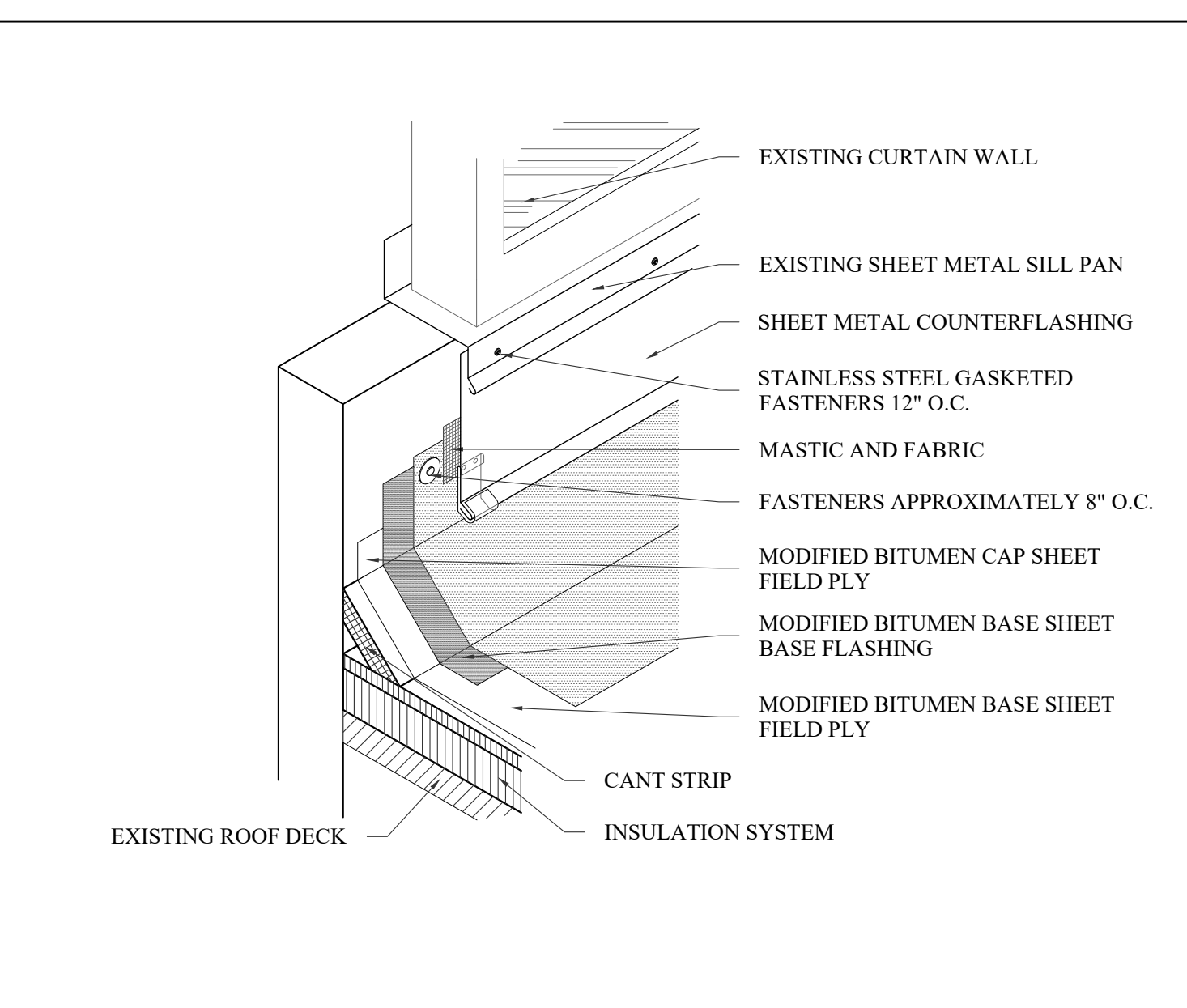
2 OVERFLOW SCUPPER
D-1.1 N.T.S.



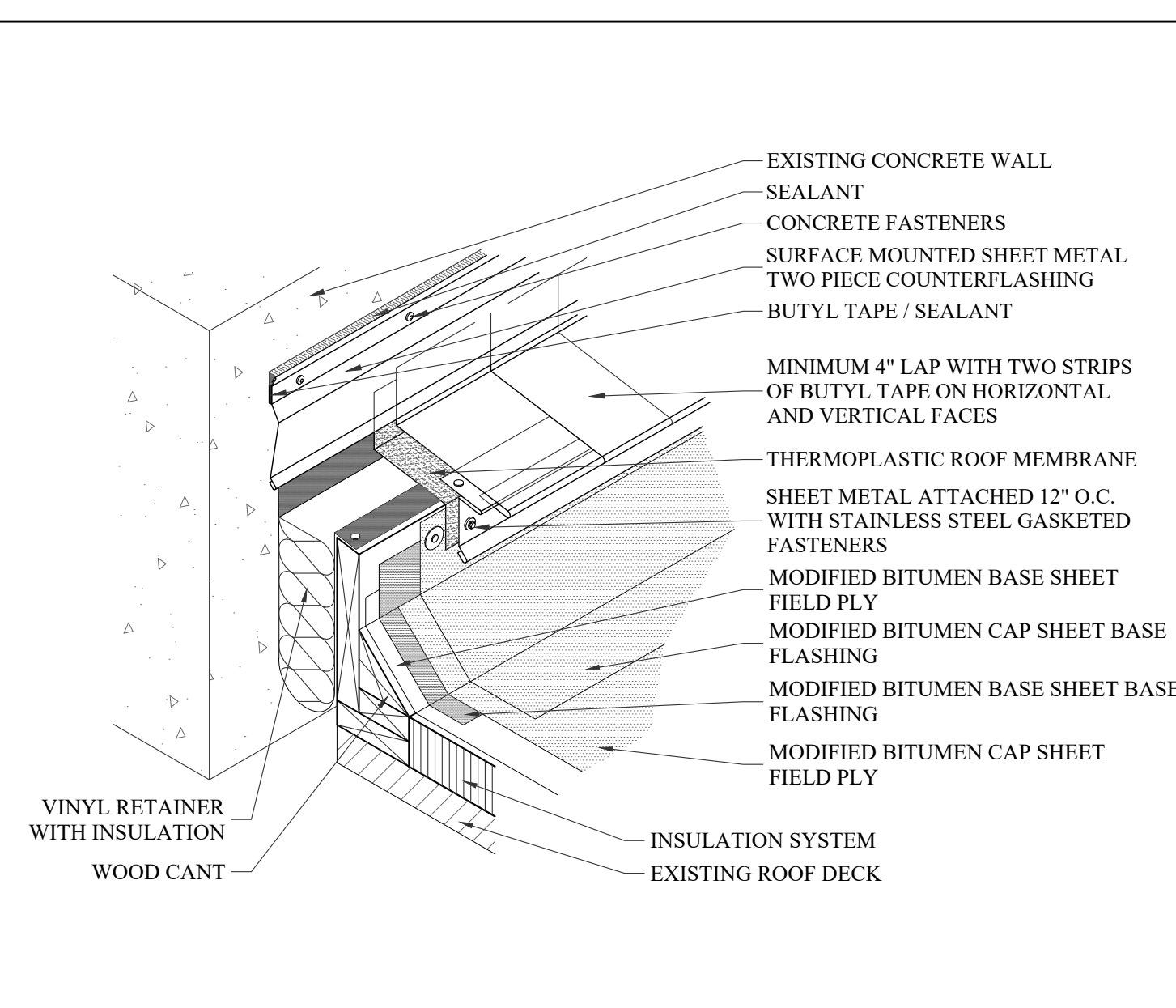
3 ROOF CURB
D-1.1 N.T.S.



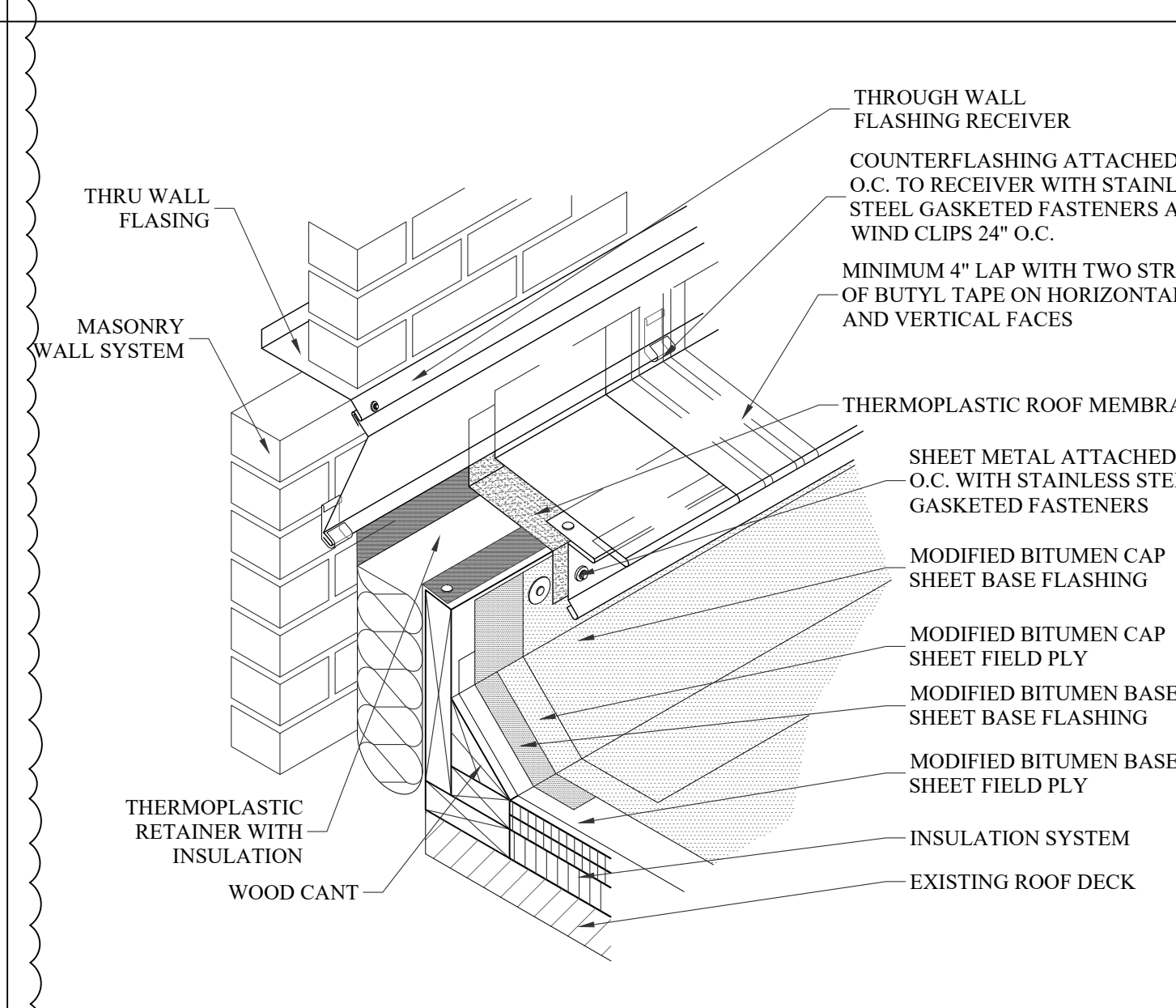
4 PARAPET WALL
D-1.1 N.T.S.



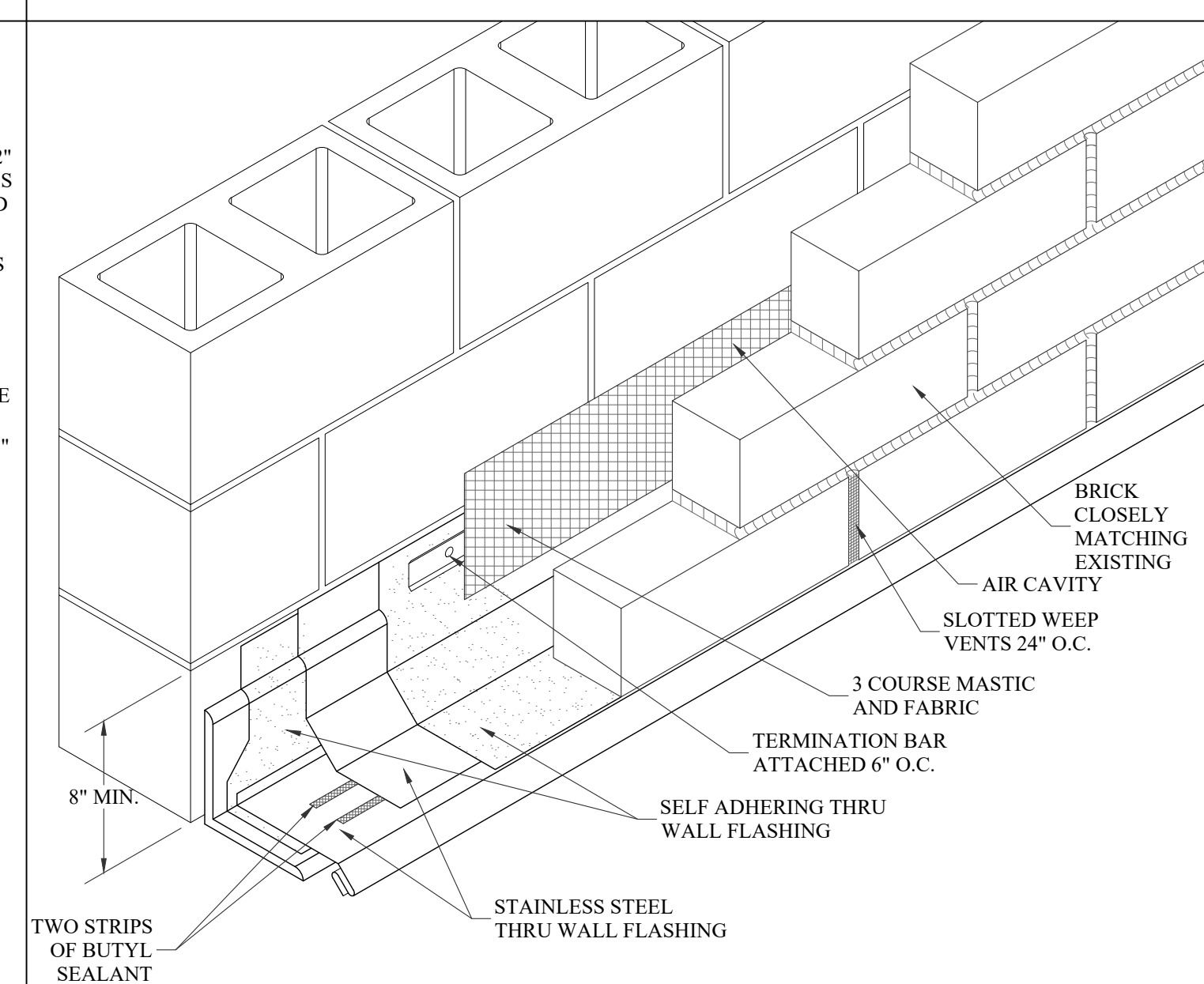
5 WALL PANEL AT CORNER
D-1.1 N.T.S.



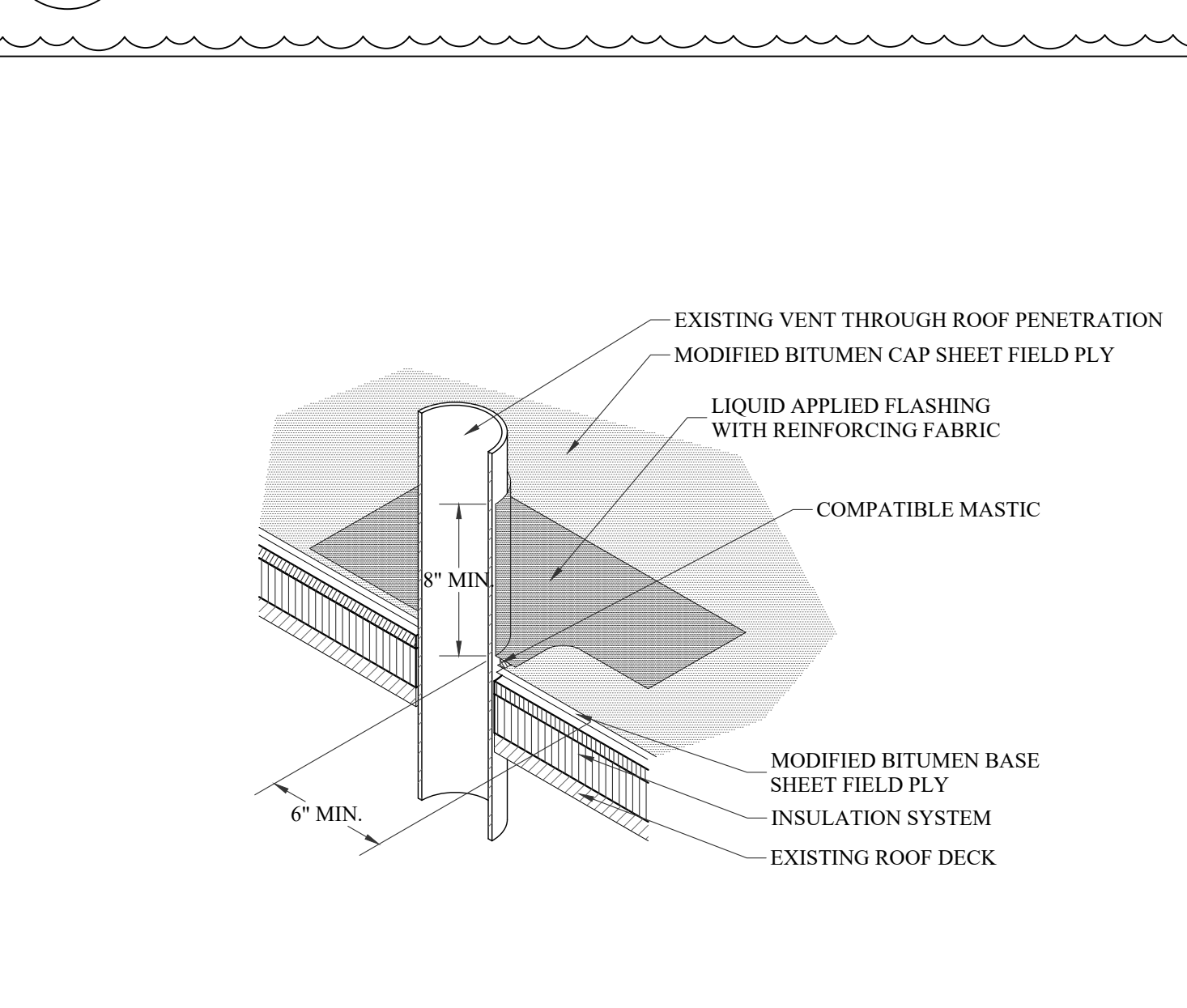
6 BASE FLASHING AT CURTAIN WALL
D-1.1 N.T.S.



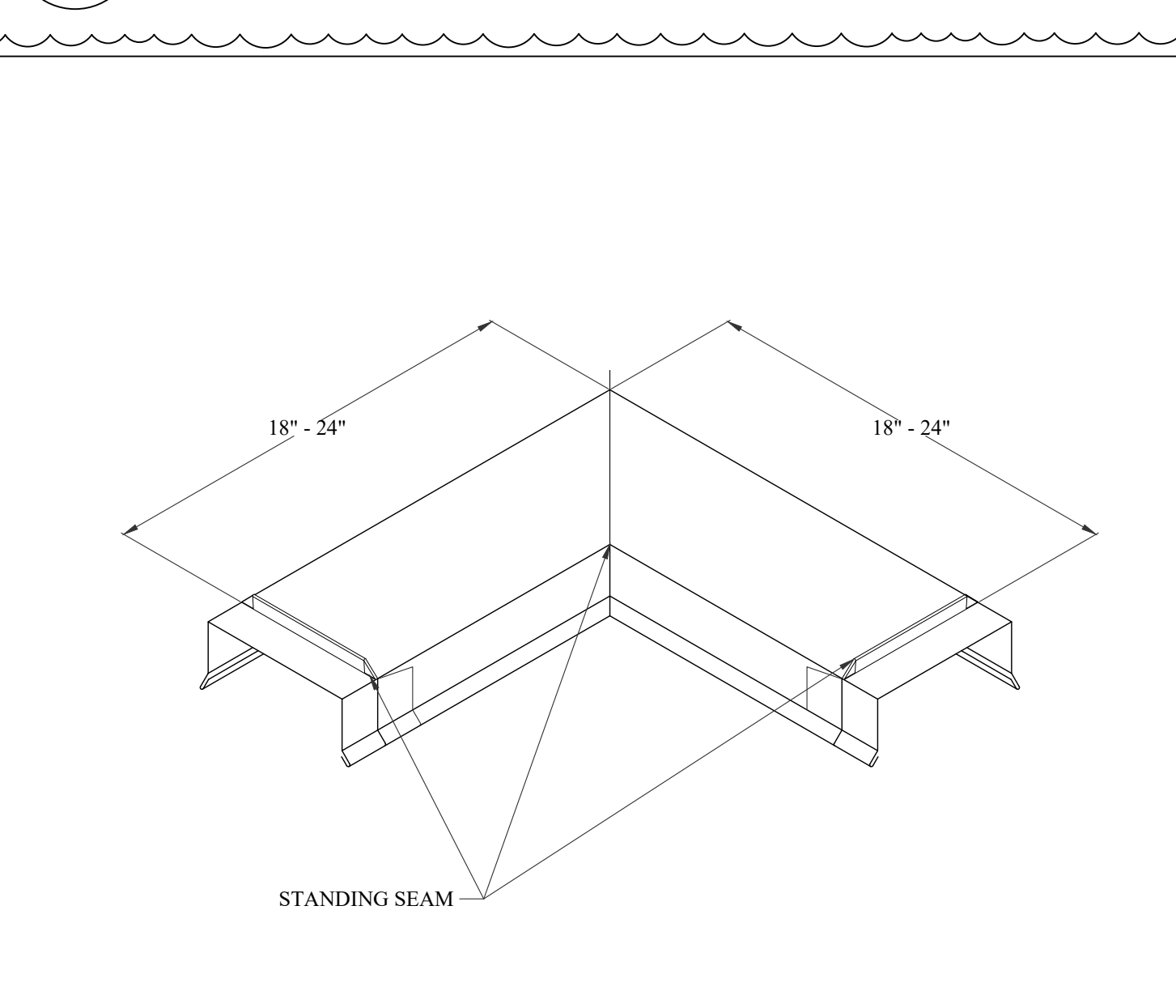
7 BASE FLASHING AT EXPANSION JOINT
D-1.1 N.T.S.



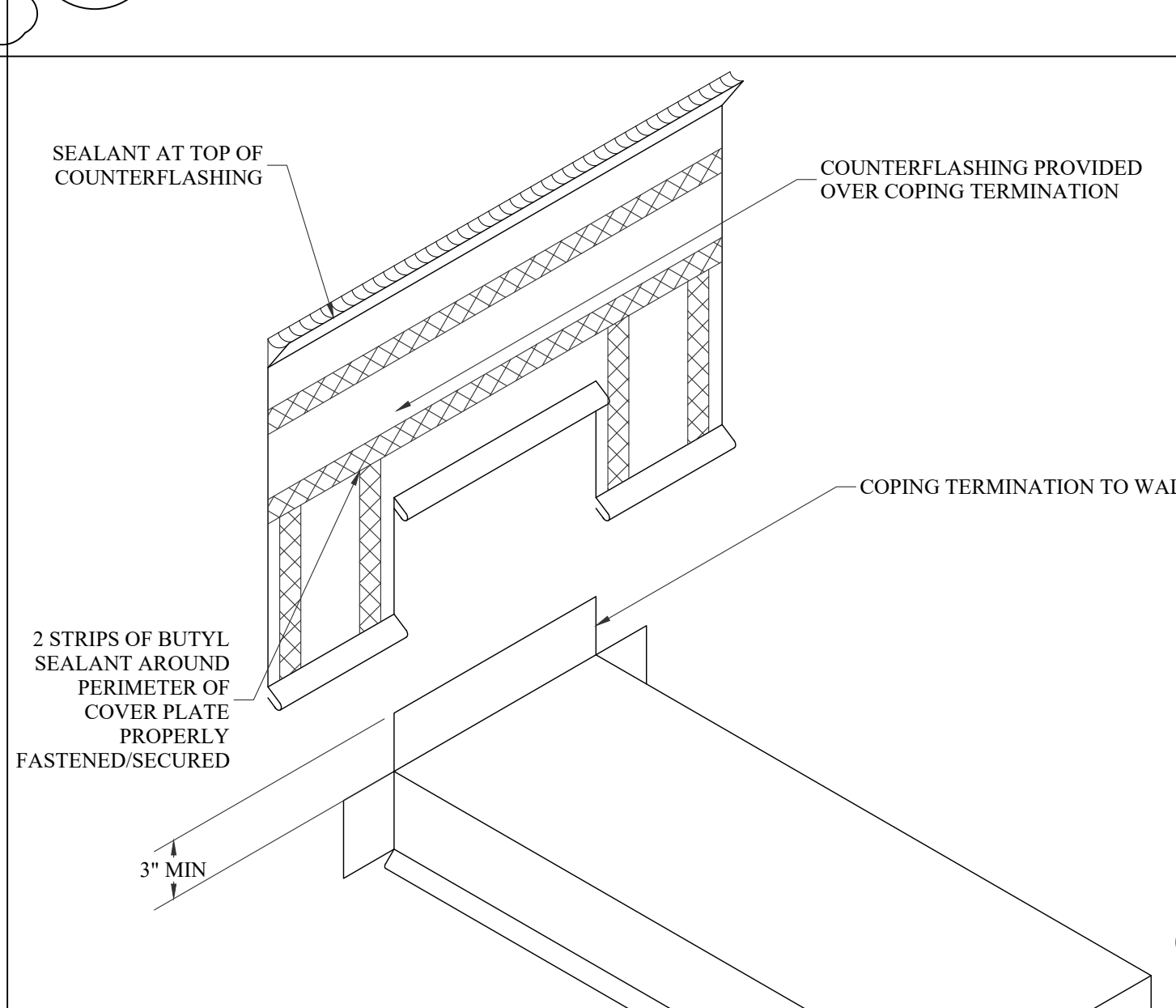
8 THRU WALL FLASHING REPAIR
D-1.1 N.T.S.



9 VENT THROUGH ROOF
D-1.1 N.T.S.



10 COPIING CORNER
D-1.1 N.T.S.



11 COPING TERMINATION TO WALL
D-1.1 N.T.S.



12 DETAIL NOT USED
D-1.1 N.T.S.

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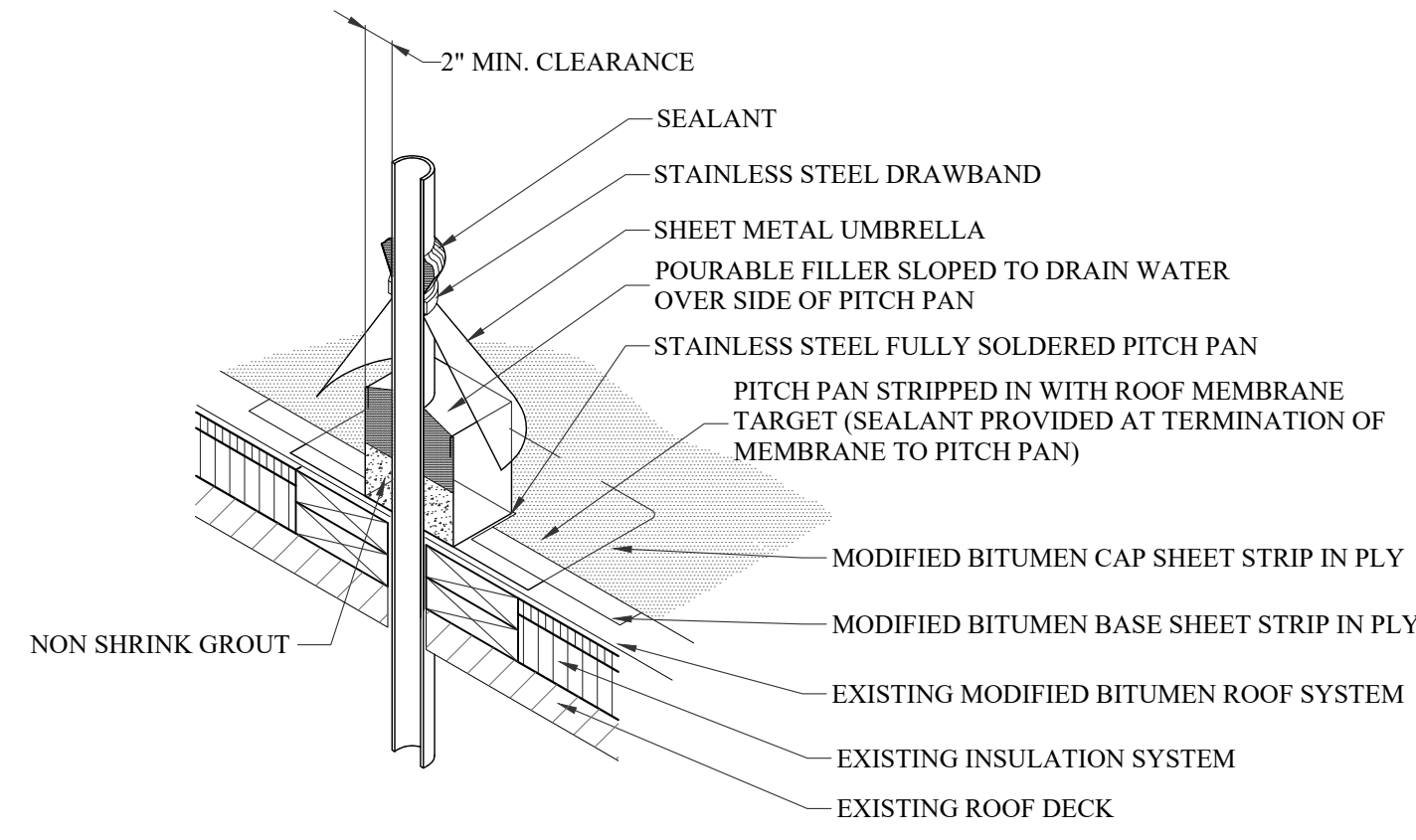
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CONSTRUCTION DOCUMENTS

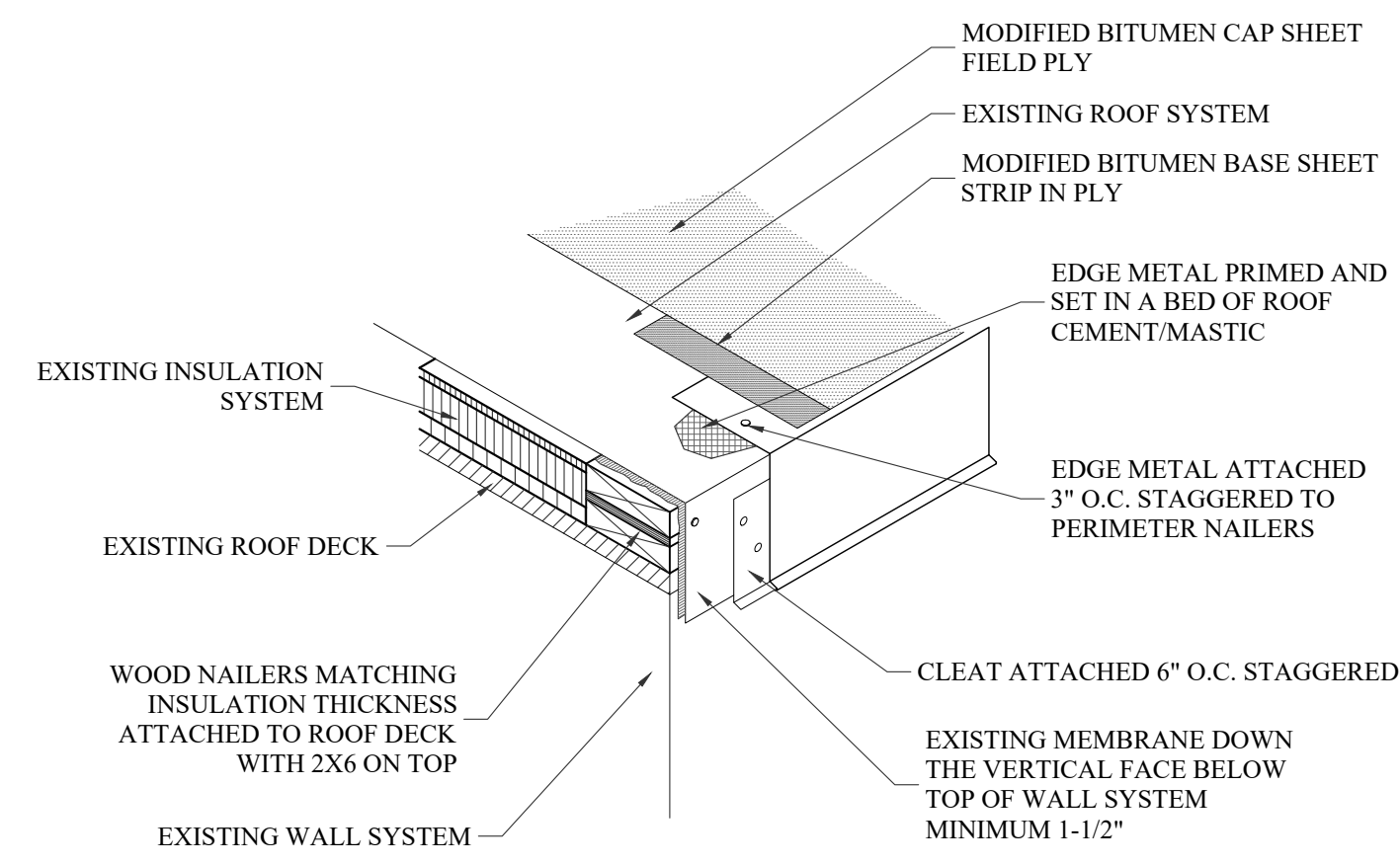
DATE: 06-19-2024

DETAILS
(MODIFIED BITUMEN)

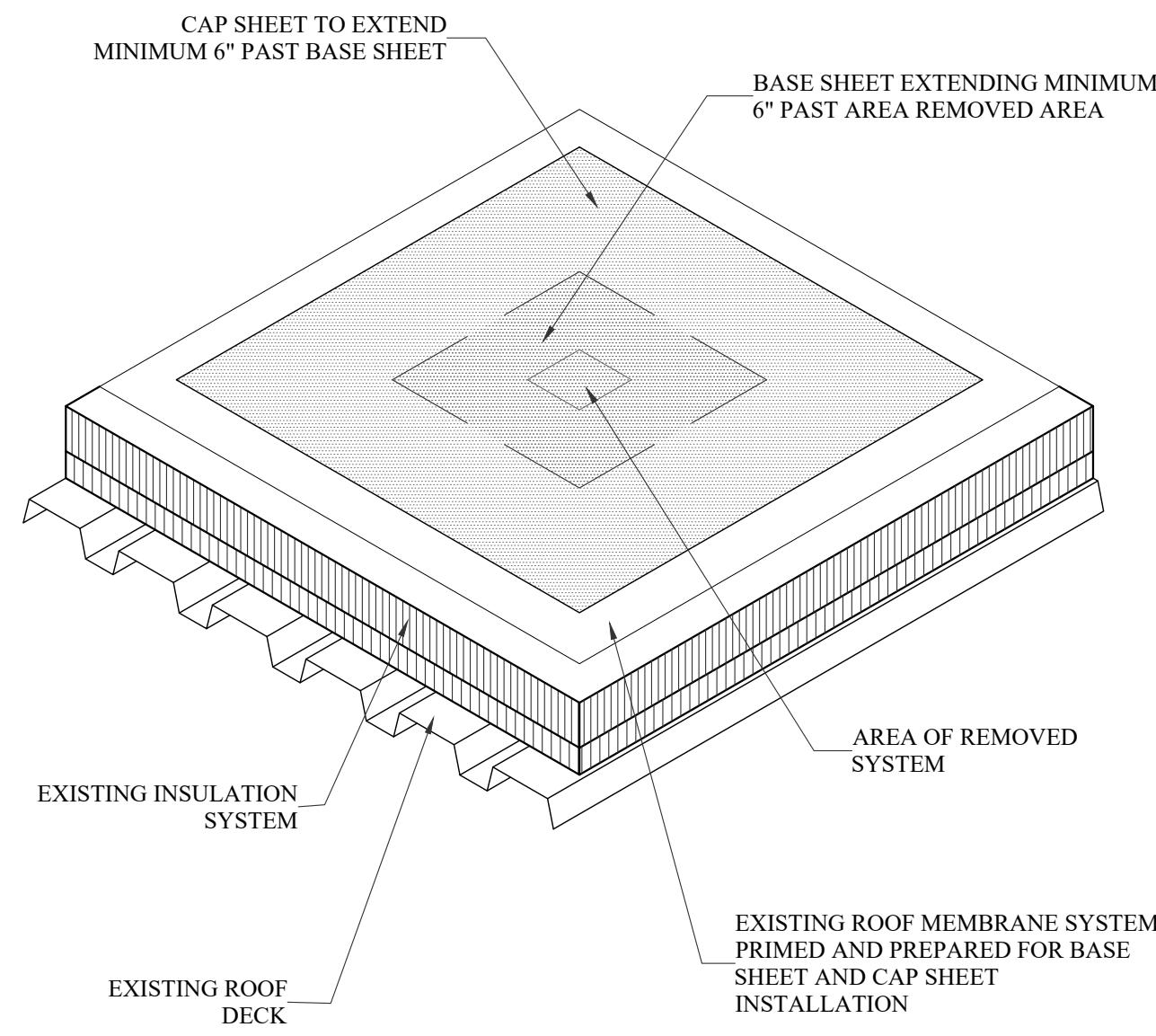
D-1.1



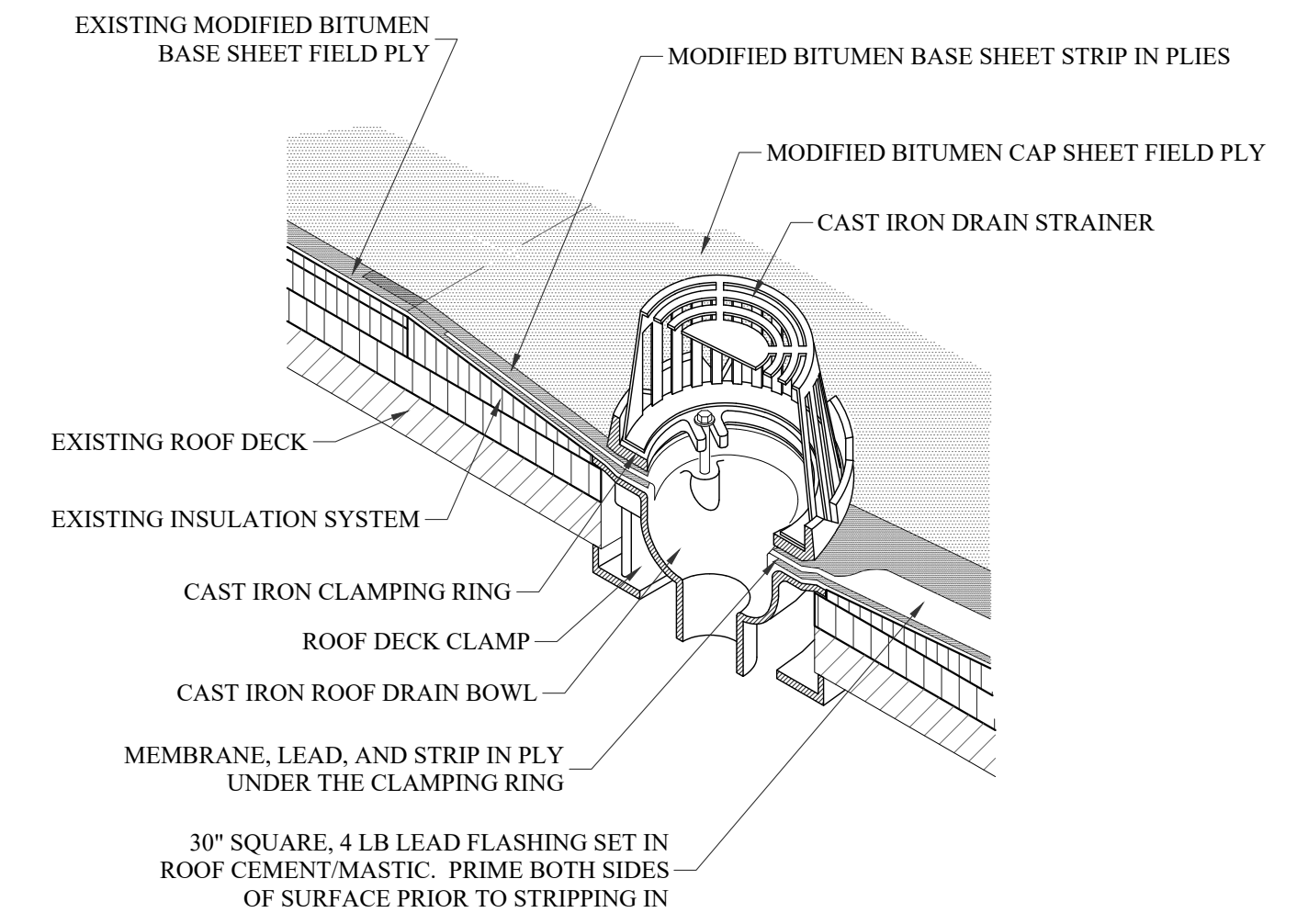
1 PITCH PAN REPAIR
D-2.1 N.T.S.



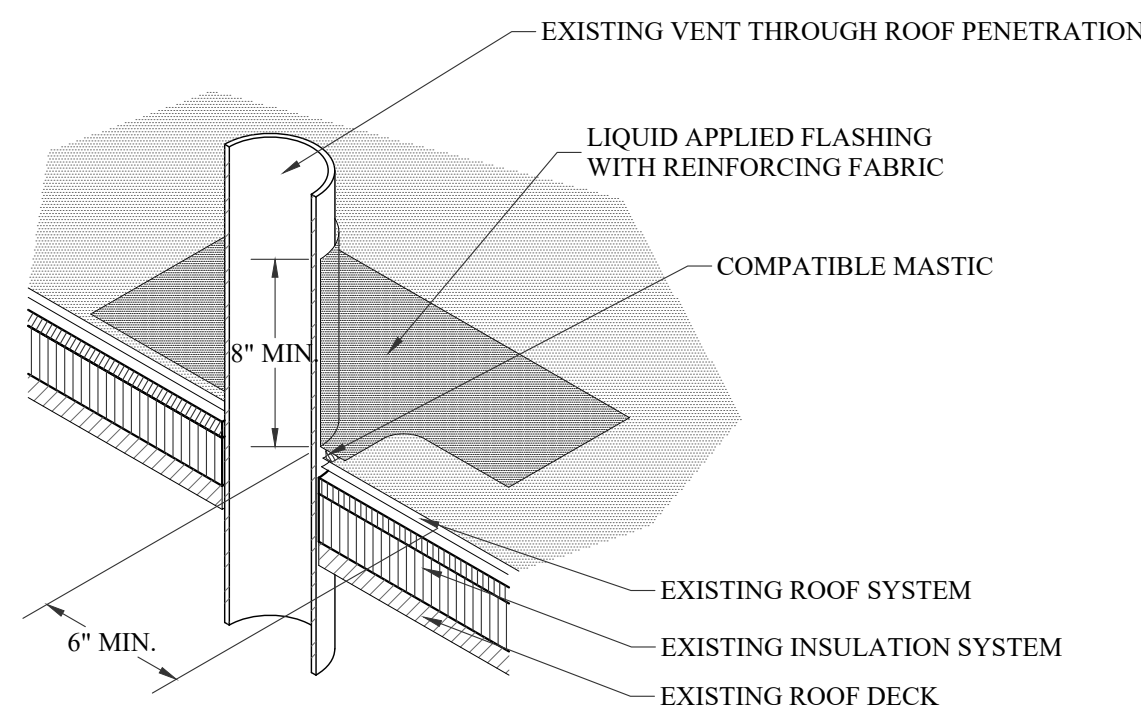
2 ROOF EDGE REPAIR
D-2.1 N.T.S.



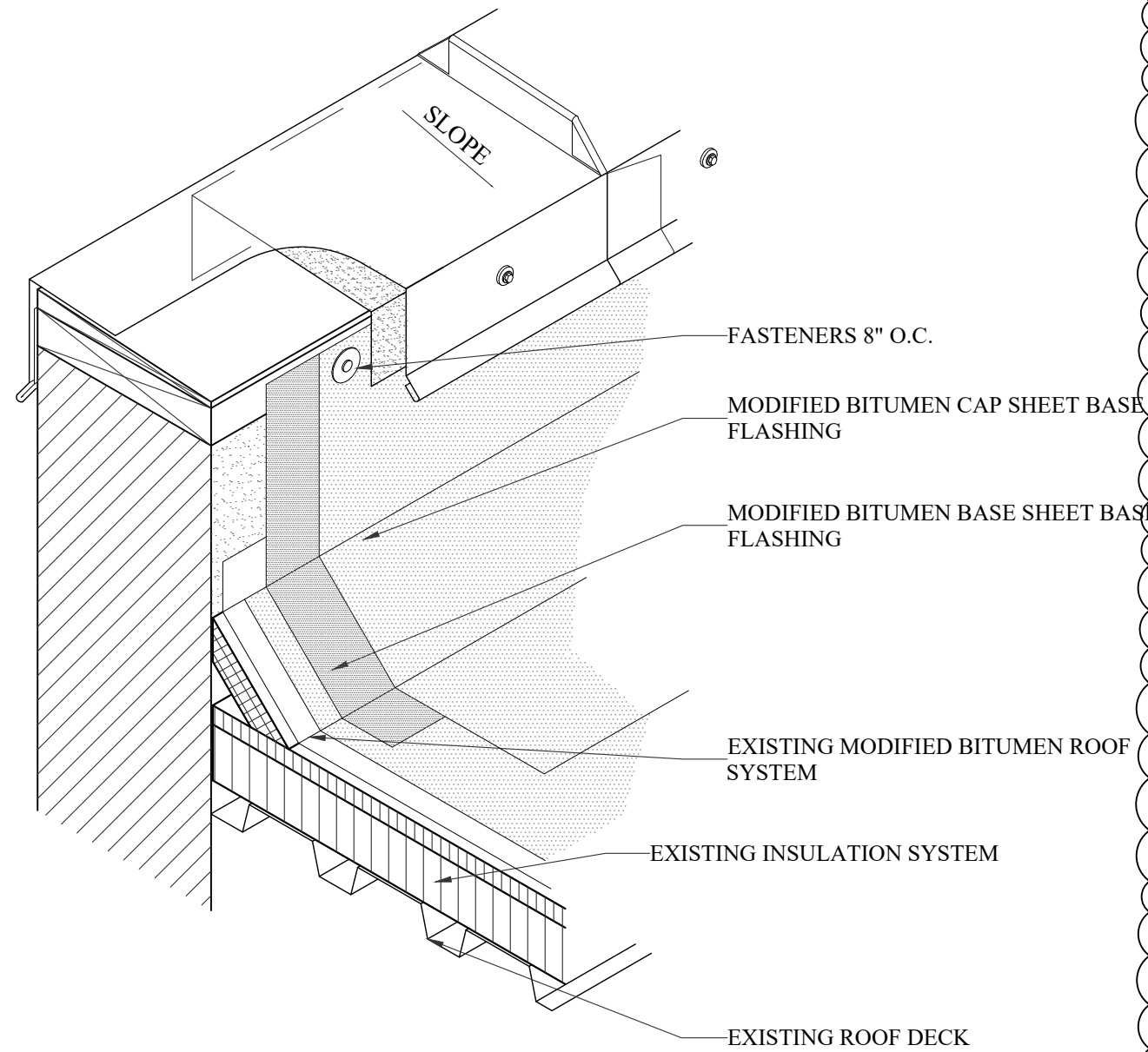
3 DAMAGED CAP SHEET
D-2.1 N.T.S.



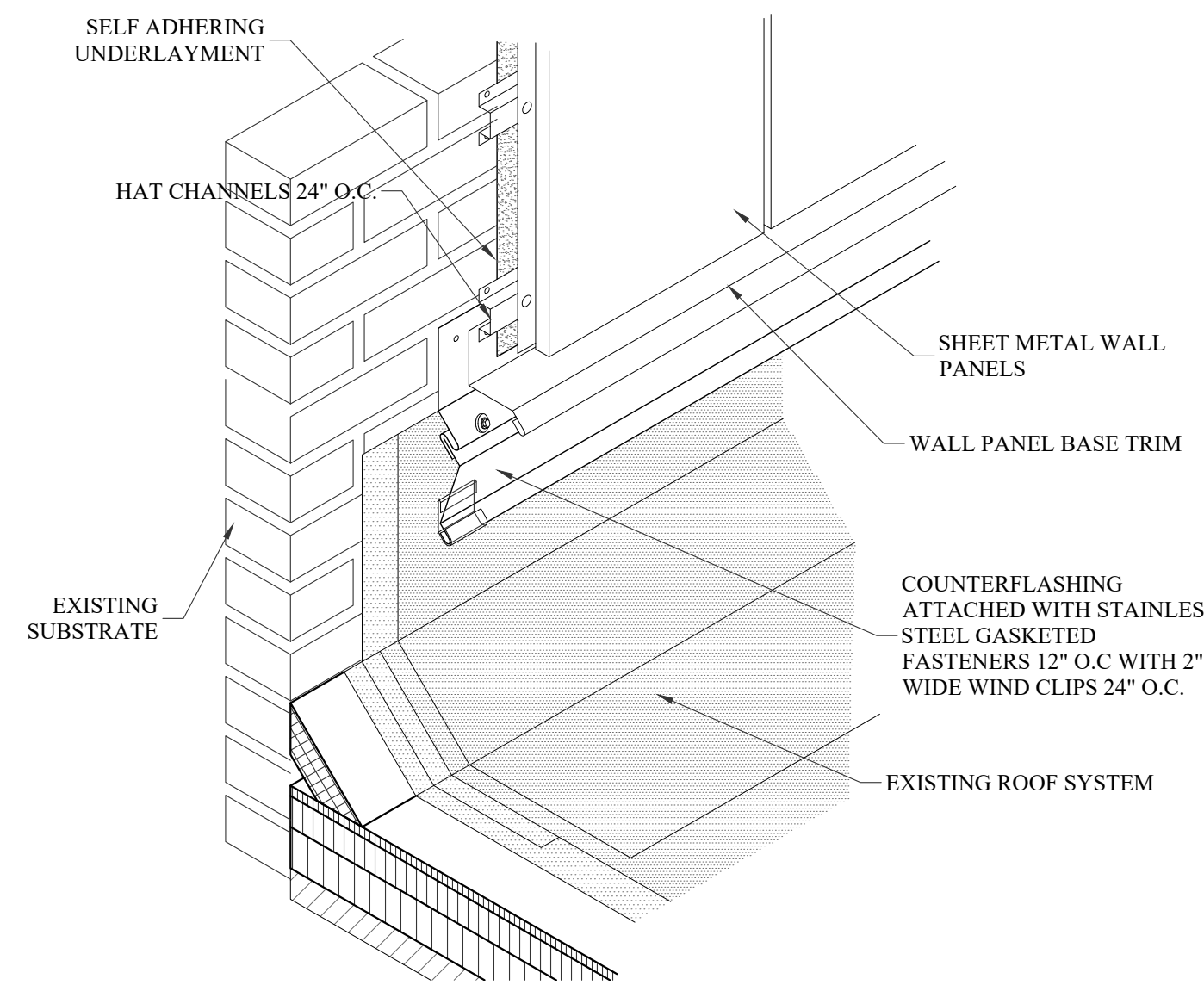
4 ROOF DRAIN
D-2.1 N.T.S.



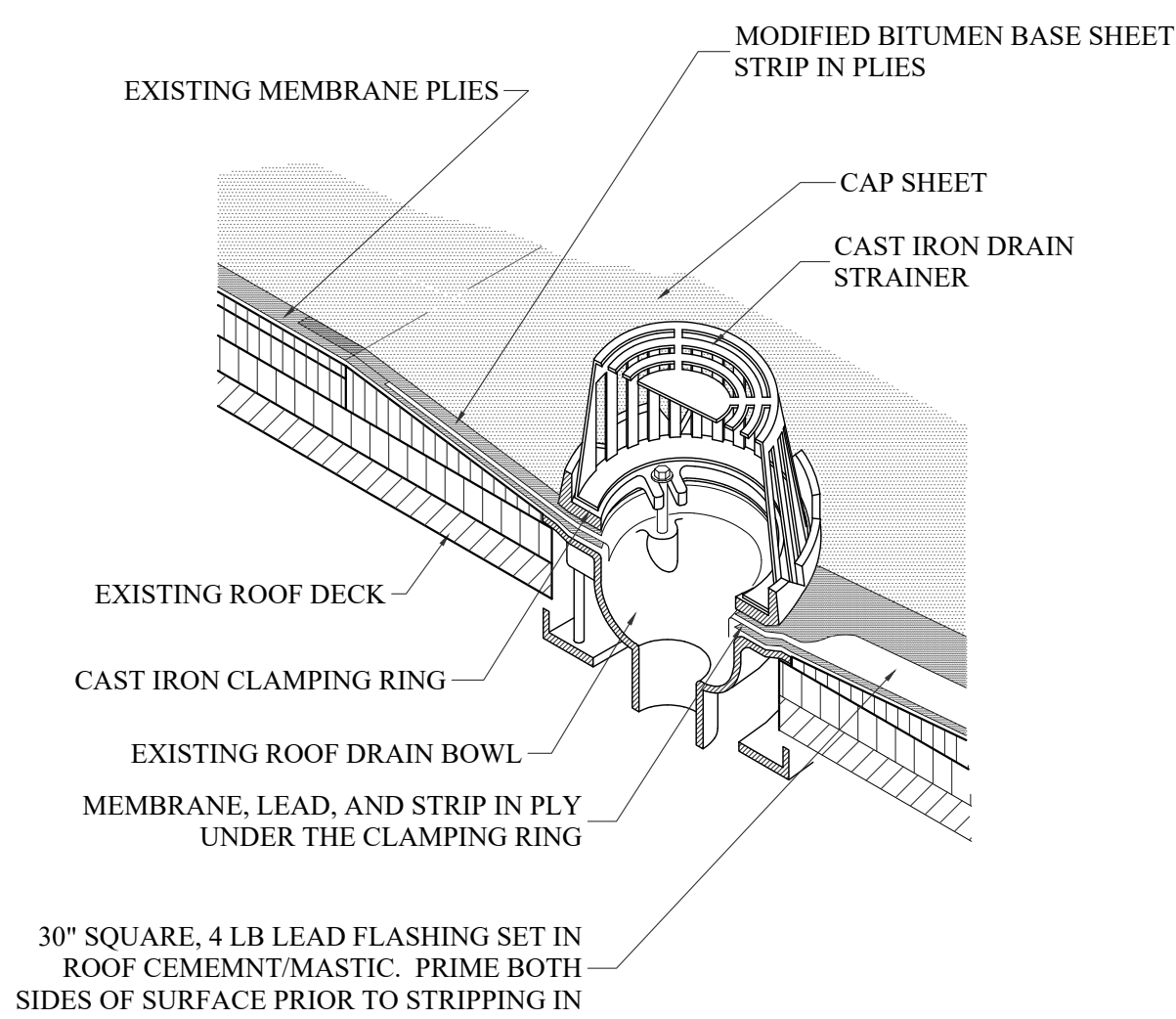
5 VENT PIPE REPAIRS
D-2.1 N.T.S.



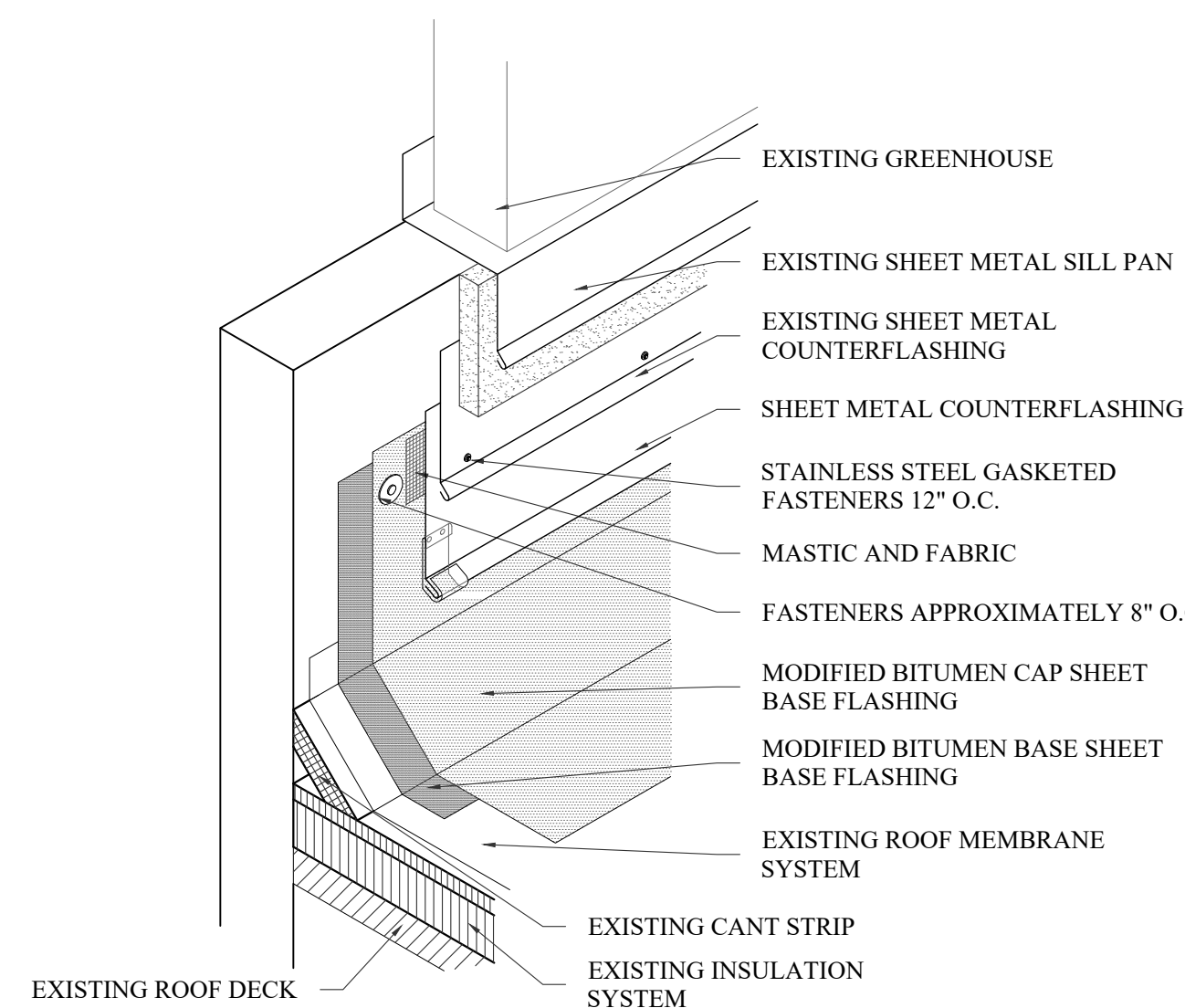
6 BASE FLASHING REPAIR
D-2.1 N.T.S.



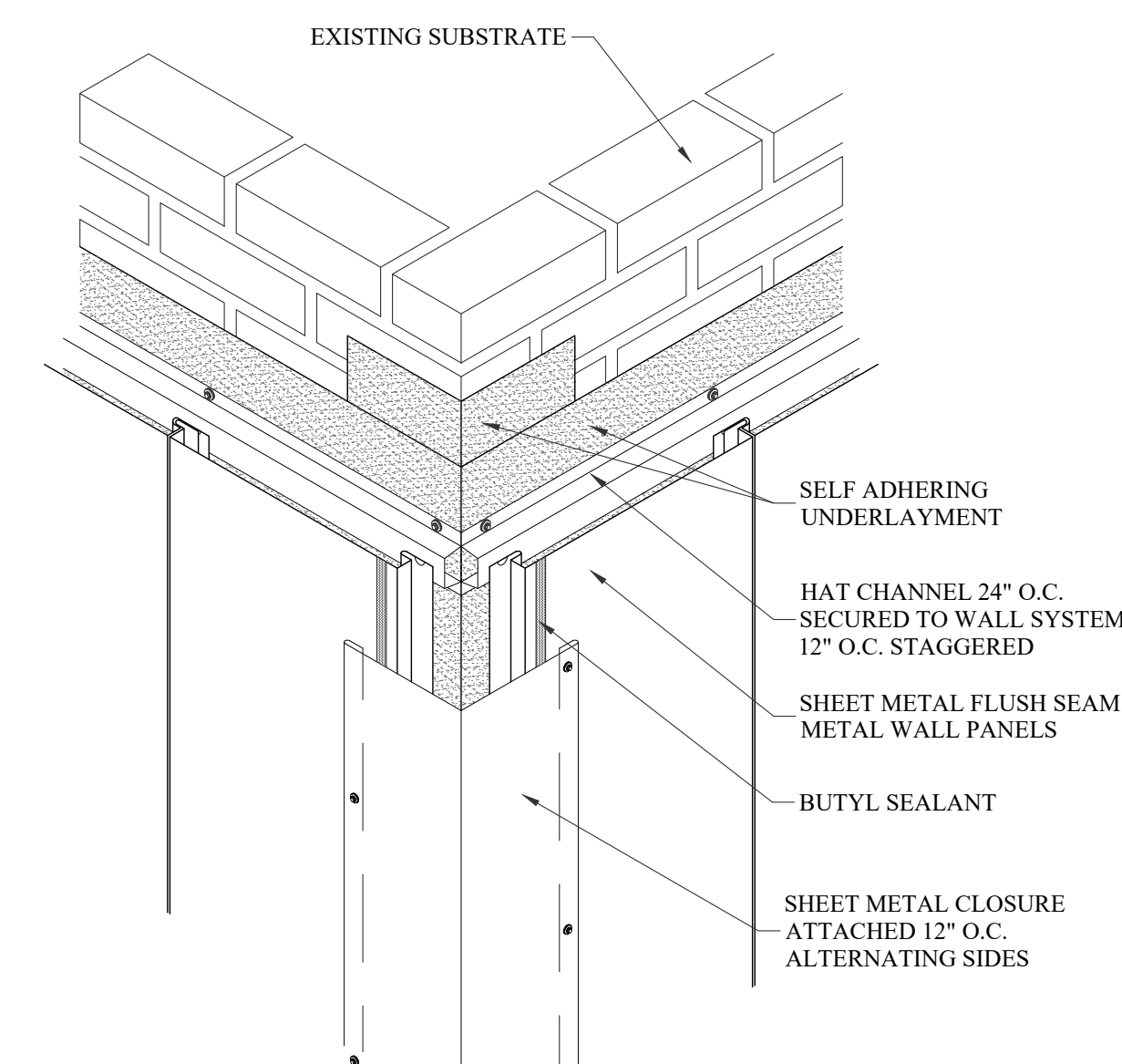
7 EXPANSION JOINT AT WALL WITH WALL PANELS
D-2.1 N.T.S.



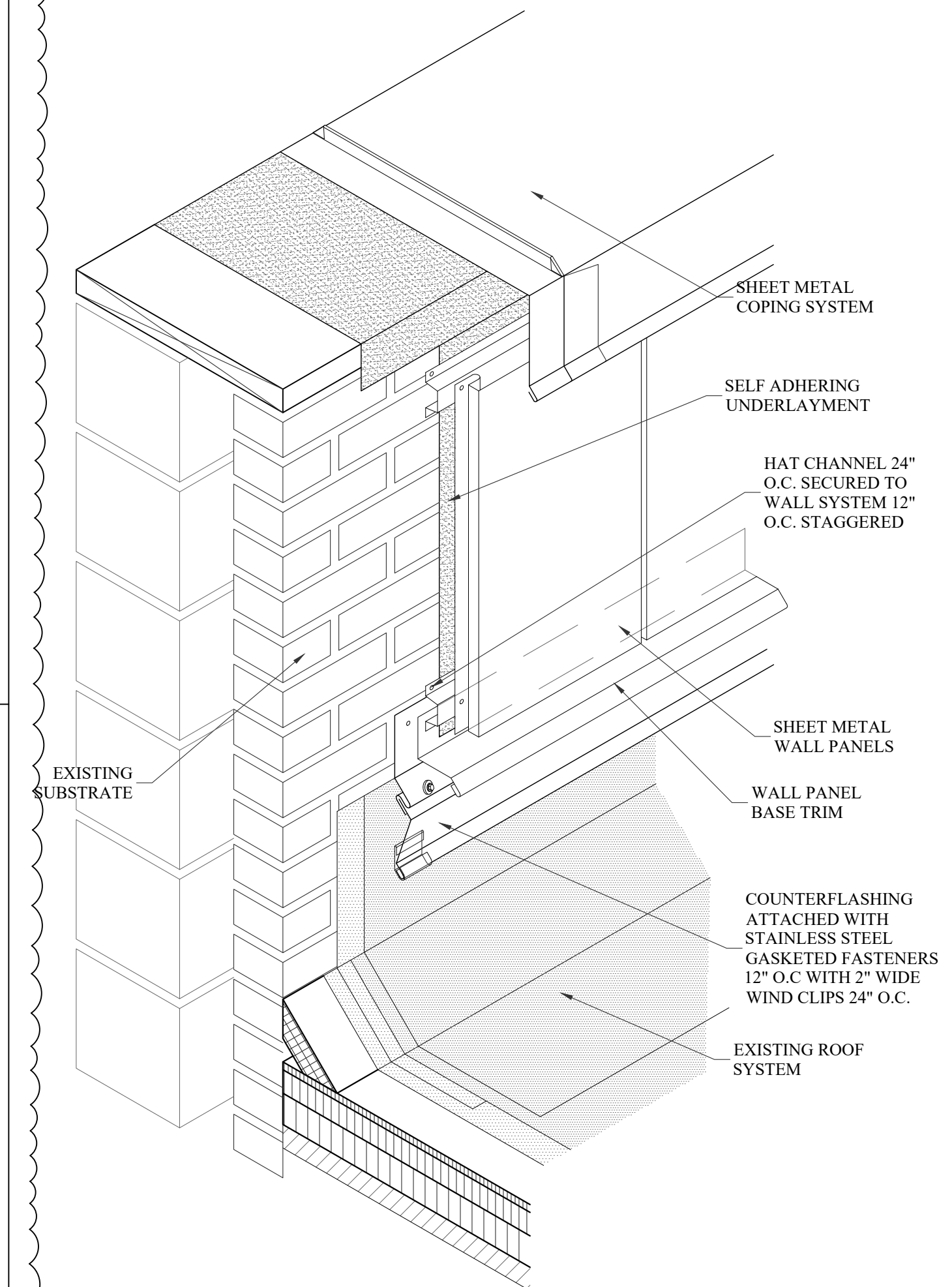
9 ROOF DRAIN REPAIR
D-2.1 N.T.S.



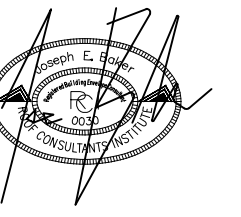
10 BASE FLASHING AT WALL
D-2.1 N.T.S.



11 WALL PANEL AT CORNER
D-2.1 N.T.S.



8 BASE FLASHING AT WALL PANELS WITH COPING
D-2.1 N.T.S.



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DETAILS
(REPAIRS)

D-2.1