

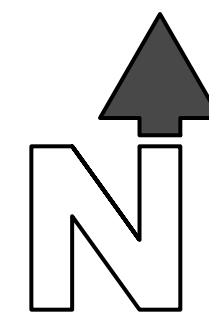
GENERAL NOTES

1. PROVIDE ALL SUPPORTING DOCUMENTS INCLUDING SHOP DRAWINGS, LABOR, EQUIPMENT, AND MATERIALS REQUIRED AND SPECIFIED IN THE CONSTRUCTION DOCUMENTS TO PERFORM THE SCOPE OF WORK.
2. COMPLY WITH ALL APPLICABLE STATE AND FEDERAL CODES AND LAWS. IN ADDITION, COMPLY WITH MANUFACTURER'S GUIDELINES TO OBTAIN MANUFACTURER'S WARRANTY.
3. SUBMIT LOGISTIC PLAN, PRODUCT DATA, TAPERED PLAN, AND SHOP DRAWINGS TO CONSTRUCTION MANAGER, OWNER AND CONSULTANT FOR APPROVAL BEFORE STARTING CONSTRUCTION WORK.
4. FIELD VERIFY ALL EXISTING CONDITIONS RELATED TO THE PROJECT SCOPE OF WORK. NOTIFY THE CONSTRUCTION MANAGER, CONSULTANT AND OWNER OF EXISTING CONDITIONS THAT DIFFER FROM THOSE SPECIFIED OR EXISTING CONDITIONS THAT MAY IMPACT THE SCOPE OF WORK, PERFORMANCE, SCHEDULE, OR PROJECT COSTS.
5. WHERE NEW SHEET METAL COMPONENTS ARE REQUIRED, COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - A. SHEET METAL WORK IS TO COMPLY WITH SMACNA, ANSI/SPRI ES-1.
 - B. SHEET METAL COPING IS TO HAVE CONTINUOUS WIND CLEATS FASTENED AT A MINIMUM OF 12" O.C. CLEATS ARE TO BE ONE GAUGE HEAVIER THAN THE MATERIAL BEING ATTACHED.
 - C. EXPOSED SHEET METAL EDGES ARE TO BE HEMMED.
 - D. SHEET METAL RECEIVING AN ELASTOMERIC SEALANT IS TO BE PRIMED AS REQUIRED IN THE MANUFACTURER'S PRINTED SPECIFICATIONS. SEALANT COLORS ARE TO BE FROM THE MANUFACTURER'S STANDARD COLORS THAT MOST CLOSELY MATCH THE MATERIAL TO WHICH IT IS APPLIED.
6. CLEAN THE BUILDING, GROUNDS, AND ANY SURROUNDING STRUCTURES AND RESTORE THE LANDSCAPING TO ITS ORIGINAL CONDITION USING APPROVED MATERIALS.
7. ELECTRICAL DISCONNECTS AND RE-CONNECTS: ALL ELECTRICAL DISCONNECTS AND RE-CONNECTS SHALL BE PERFORMED BY A LICENSED ELECTRICIAN
8. CONTRACTOR TO PROVIDE BARRICADES, DETOUR SIGNS, AND ORANGE FLEXIBLE FENCING AS REQUIRED AND PROTECTION FOR MATERIALS AND TRAFFIC. MAINTAIN PEDESTRIAN AND OCCUPANT ACCESS AND EGRESS TO AND FROM BUILDINGS AT ALL TIMES.
9. SEE WIND PRESSURE DATA AS WELL AS DIMENSIONS FOR PERIMETER AND CORNER AREAS ON EACH ROOF.
10. ACCESS TO ALL ROOFS FOR CONSTRUCTION SHALL BE AS DESIGNATED BY OWNER. STORAGE AREA FOR MATERIALS SHALL BE IN PARKING LOT AS DESIGNATED BY FACILITY STAFF.
11. COORDINATE LOCATION OF MATERIAL DEMOLISHED/REMOVED FROM ROOF WITH FACILITY STAFF.
12. DRAWINGS ARE PRODUCED AT 17 x 11 SIZE. ANY SCALE SHOWN IS APPLICABLE WHEN PRINTED AT THIS SIZE. NOTE THAT ROOF DETAILS ARE NOT SCALED.
13. CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL PERMITS REQUIRED BY LOCAL GOVERNMENTAL AGENCIES.
14. CONTRACTOR RESPONSIBLE FOR PROTECTING EXISTING ADJACENT LAWN AREAS, ABOVE GROUND AND UNDERGROUND UTILITIES, PAVING, AND EXTERIOR BUILDING WALLS FROM DAMAGE. ANY DAMAGE DUE TO CONTRACTOR OPERATIONS SHALL BE REPAIRED TO MATCH EXISTING CONDITIONS AT CONTRACTOR'S EXPENSE.
15. CONTRACTOR RESPONSIBLE TO VERIFY ALL ROOF MEASUREMENTS. NO ADDITIONAL PAYMENT FOR INCORRECT MEASUREMENTS SHOWN ON PLANS WILL BE PROVIDED

SITE MAP IMHI WAREHOUSE



IMHI ROOF REPLACEMENT LOCATION



INDEPENDENCE MENTAL HEALTH (IMHI) WAREHOUSE ROOF REPLACEMENT - DAS #9497

LEVEL A ROOF CONSTRUCTION NOTES

1. EXISTING ROOFING SYSTEM IS AS FOLLOWS :
METAL DECK, BUILT-UP ROOF WITH GRAVEL EMBEDDED IN FELTS, PERLITE AND FIBERBOARD INSULATION, ASPHALTIC FELT WITH EMBEDDED GRAVEL, FIBERBOARD AND 60 MIL ADHERED EPDM. PROBES INDICATE 2.5 INCHES PERLITE AND 0.5 INCH FIBERBOARD ONE FOOT FROM BOTH THE NORTH AND SOUTH EDGES DIRECTLY UNDER EPDM. INSULATION TYPE AND THICKNESS BELOW BUR NOT VERIFIED. NEAR A ROOF DRAIN 0.5 INCHES PERLITE AND 0.5 INCH FIBERBOARD DIRECTLY UNDER EPDM. CONTRACTOR TO FIELD VERIFY INSULATION/ASSEMBLY TYPES AND THICKNESS.
ALL INSULATION MECHANICALLY FASTENED THROUGH INSULATION TO METAL DECK.
2. **BASE BID-** REMOVE EXISTING MEMBRANE AND INSULATION TO METAL DECK INSTALL NEW TAPERED POLYISO STARTING AT 2 INCH THICKNESS AT OUTER EDGE OF DRAIN SUMP (8' X8').
TAPERED SLOPE 1/8 INCH PER FOOT SLOPE, MECHANICALLY FASTEN ALL POLYISO INSULATION LAYERS. INSTALL NEW COVERBOARD IN INSULATION ADHESIVE AND NEW 60 MIL EPDM ADHERED SHEET. PROVIDE 25 YEAR MANUFACTURER'S WARRANTY AND OTHER WARRANTIES AS SPECIFIED.

CANOPY ROOF CONSTRUCTION NOTES

1. EXISTING ROOFING SYSTEM ON CANOPY ROOF AS FOLLOWS: METAL DECK, BUILT-UP ROOF FELTS WITH EMBEDDED GRAVEL, 0.5 INCH THICK FIBERBOARD AND PERLITE INSULATION THAT VARIES FROM 2.25 INCHES TO 2.75 INCHES THICK AND 60 MIL ADHERED EPDM.
2. **BASE BID CANOPY** - REMOVE EXISTING MEMBRANE AND INSULATION TO METAL DECK INSTALL NEW TAPERED POLYISO 1/8 INCH PER FOOT SLOPE STARTING AT 1 INCH THICKNESS AT OUTER EDGE OF DRAIN SUMP (4' X4').
INSTALL NEW COVERBOARD FOR MEMBRANE/INSULATION SYSTEM IN INSULATION ADHESIVE AND NEW 60 MIL EPDM ADHERED SHEET. PROVIDE 25 YEAR MANUFACTURER'S WARRANTY AND OTHER WARRANTIES AS SPECIFIED.

WIND DESIGN UPLIFT PRESSURES

ASCE 7-22

Level A - Roof height -12.5 feet

Risk Category - II

Wind Speed 110 mph

Enclosed Building

Exposure Surface Roughness B

Topo factor =1.0

Ground Elev factor = 1.0

	USE
Ultimate Pressures	Design pressure (ultimate x 1.2)
Field Int - 16 psf	25.3. psf
Field Ext.- 28 psf	33.6psf
Perimeter - 37 psf	44.4 psf
Corner - 51 psf	61.2 psf

Perimeter 0.6 h = 8 feet

Corner L shaped 0.2 h - use 4 feet each way (rounded to nearest 4 foot dimension)

Canopy roof - entire roof is corner area with uplift pressure of 61.2 psf

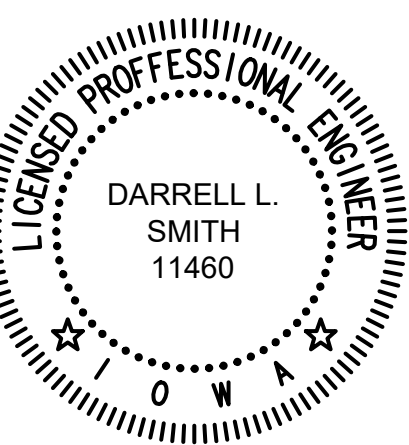
ECS MIDWEST, LLC

Geotechnical | Construction Materials | Environmental | Facilities

6165 N.W. 86TH STREET JOHNSTON, IA 50131
T: (847) 279-0366 | www.ecslimited.com



NOTES:



I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY CERTIFIED REGISTERED ROOF CONSULTANT BY THE INTERNATIONAL INSTITUTE OF BUILDING ENCLOSURE CONSULTANTS

Darrell Smith 03/16/2026
DARRELL SMITH, P.E.
LICENSE NUMBER 11460 20 28
PAGES OR SHEETS COVERED BY THIS SEAL
SHEETS R0-R2, S1

PROJECT INFORMATION

IMHI Warehouse Roof Replacement - DAS #9497

52-2797

2277 IOWA AVE.,
INDEPENDENCE, IA 50644

SHEET TITLE

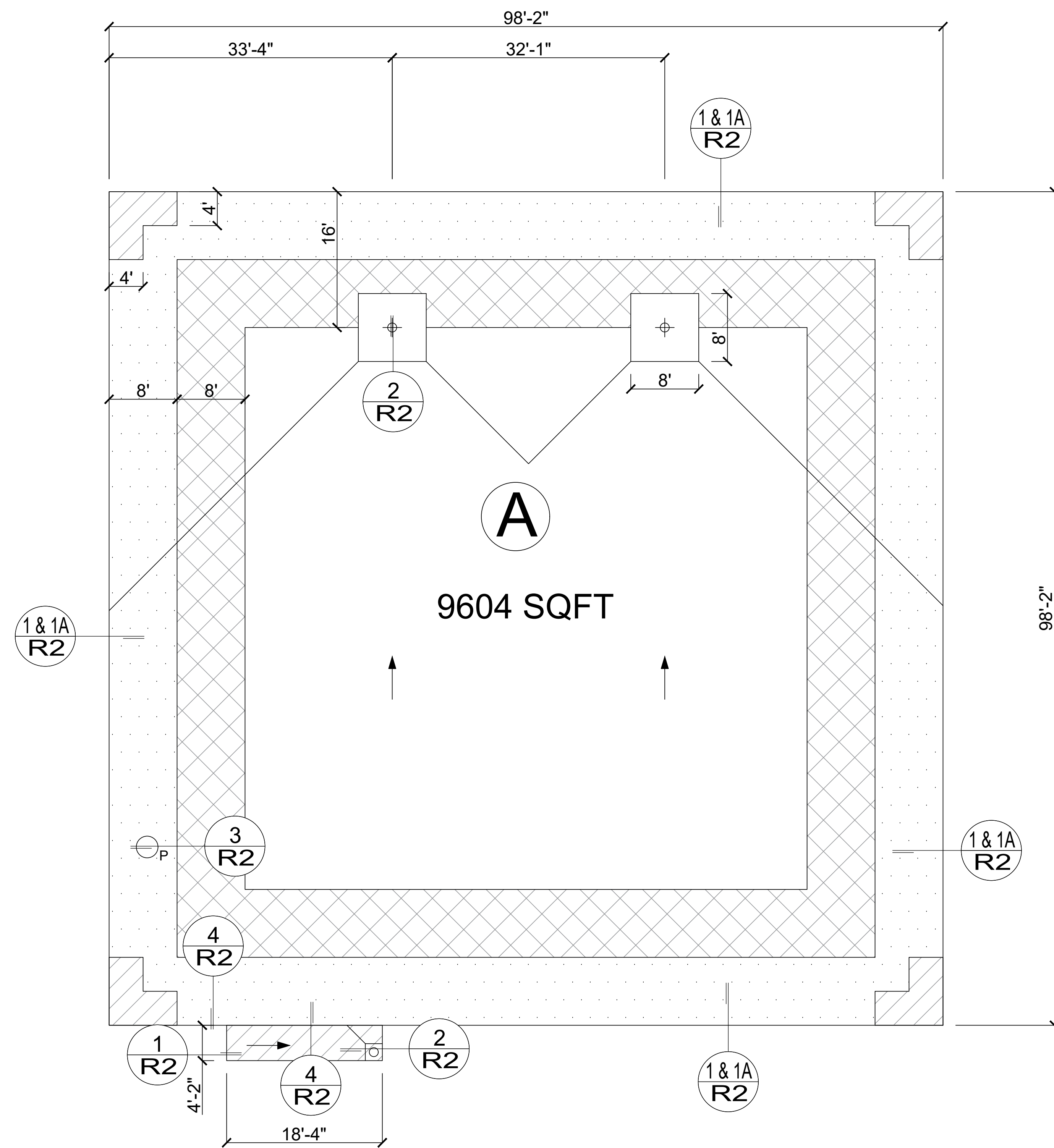
TITLE SHEET

SHEET NO.

R0

ISSUED DATE

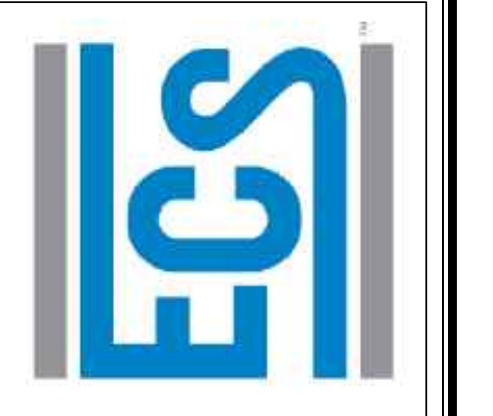
DRAWN BY	JBF
REVIEWED BY	DS
DATE	03/16/2026
REVISED DATE	



LEGEND	
(A)	ROOF AREA
⊕	ROOF DRAIN IN SUMP
○ _P	PLUMBING VENT
▨	FIELD OF ROOF EXTEND
▤	PERIMETER ZONE
▩	CORNER WIND ZONE

ECS MIDWEST, LLC
 Geotechnical | Construction Materials | Environmental | Facilities

6165 N.W. 86TH STREET JOHNSTON, IA 50131
 T: (847) 279-0366 | www.ecslimited.com



NOTES:

PROJECT INFORMATION

IMHI Warehouse Roof Replacement - DAS #9497

52-2797

2277 IOWA AVE.,
 INDEPENDENCE, IA 50644

SHEET TITLE

ROOF PLAN

SHEET NO.

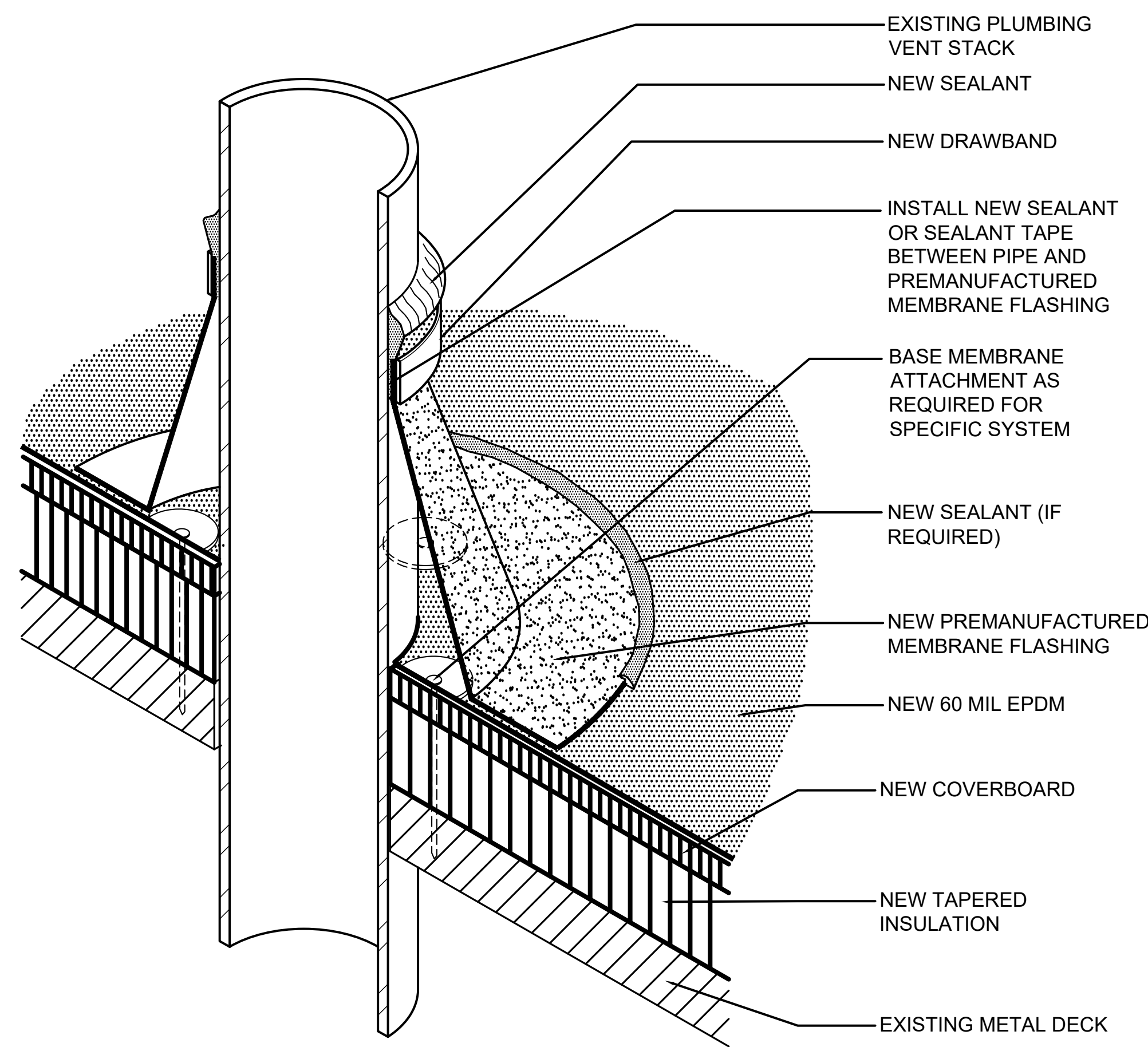
R1

ISSUED DATE

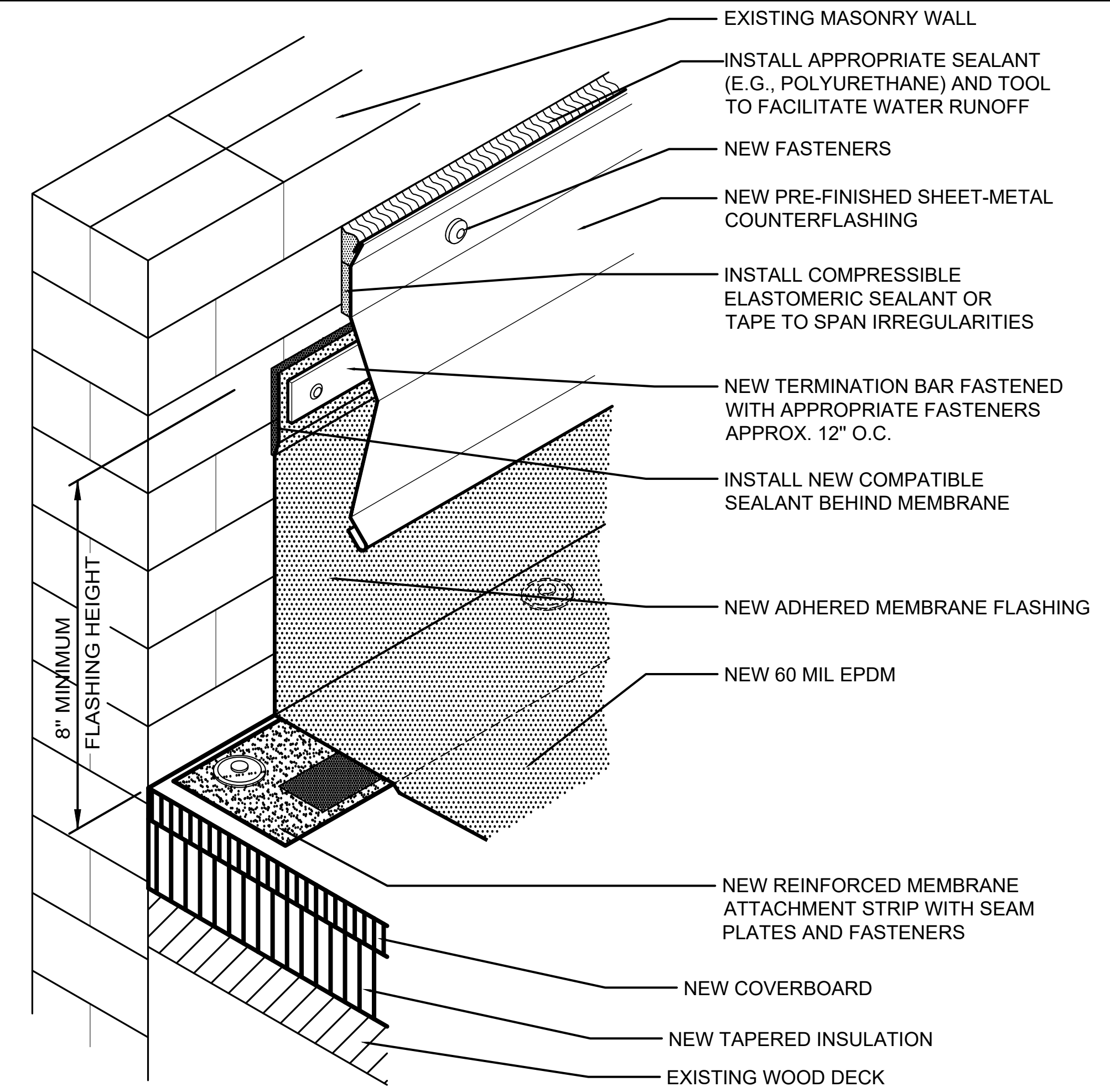
DRAWN BY	JBF
REVIEWED BY	DS
DATE	02/26/2026
REVISED DATE	

1 ROOF PLAN

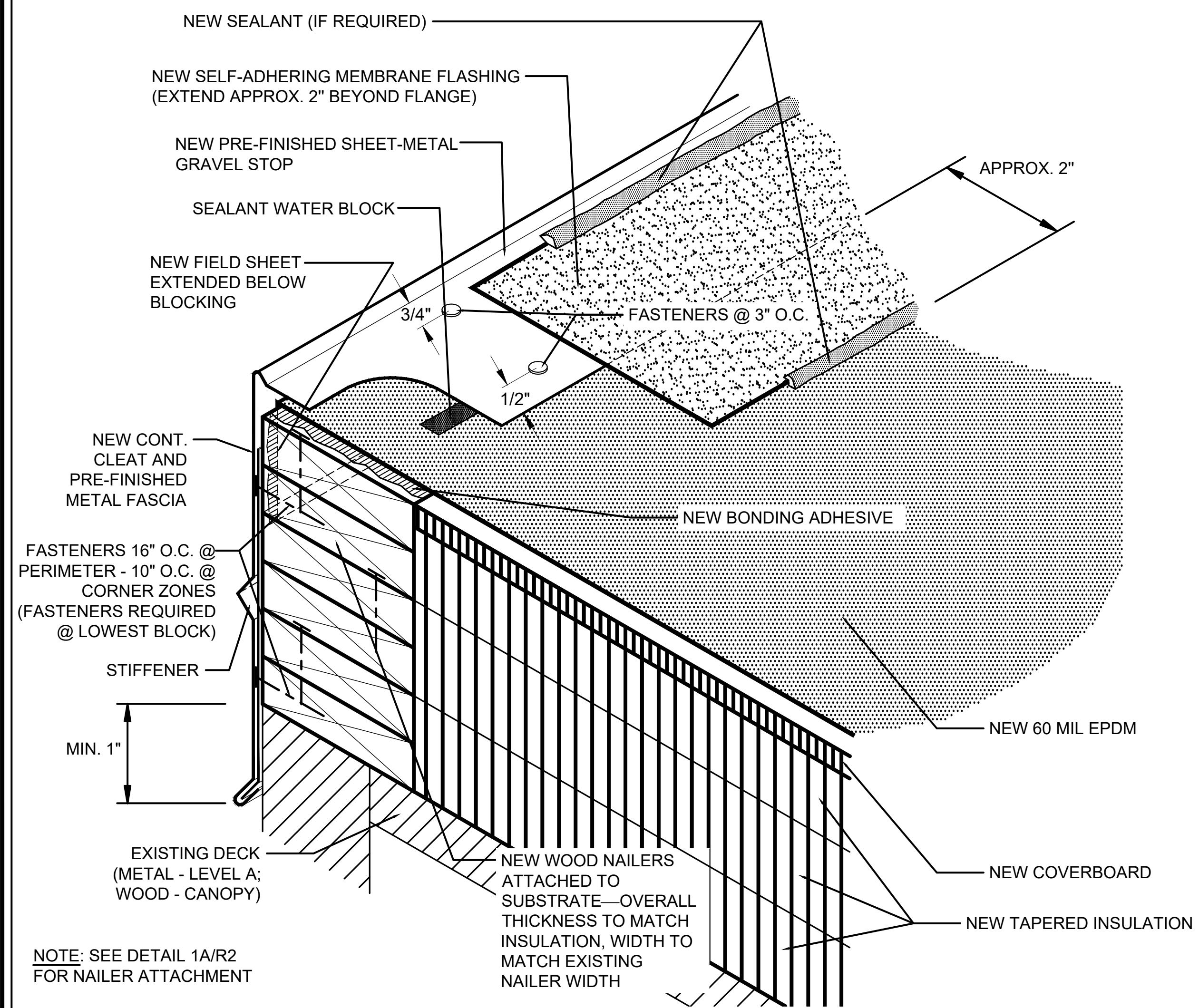
1/8" - 1'0"



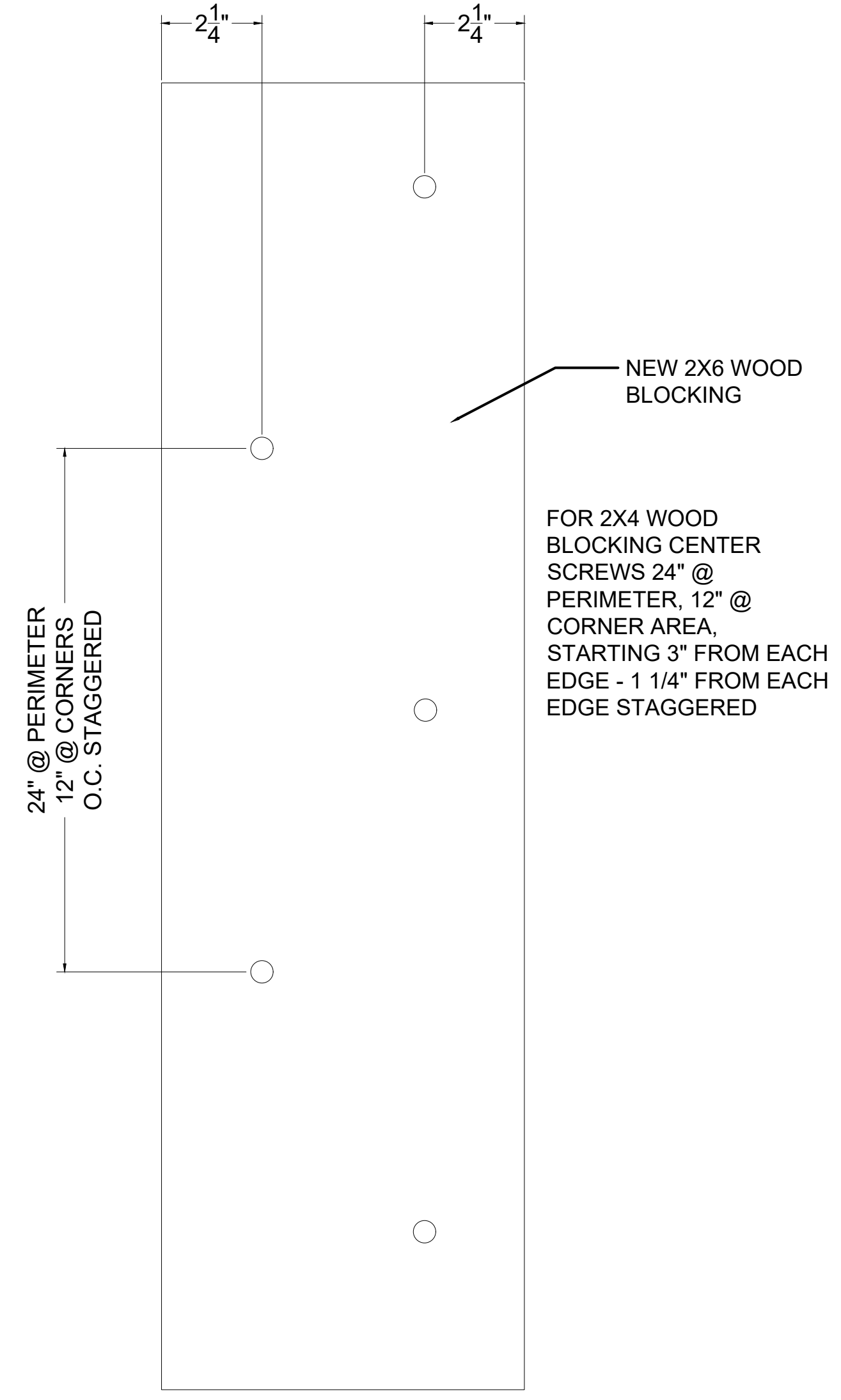
3 PLUMBING VENT



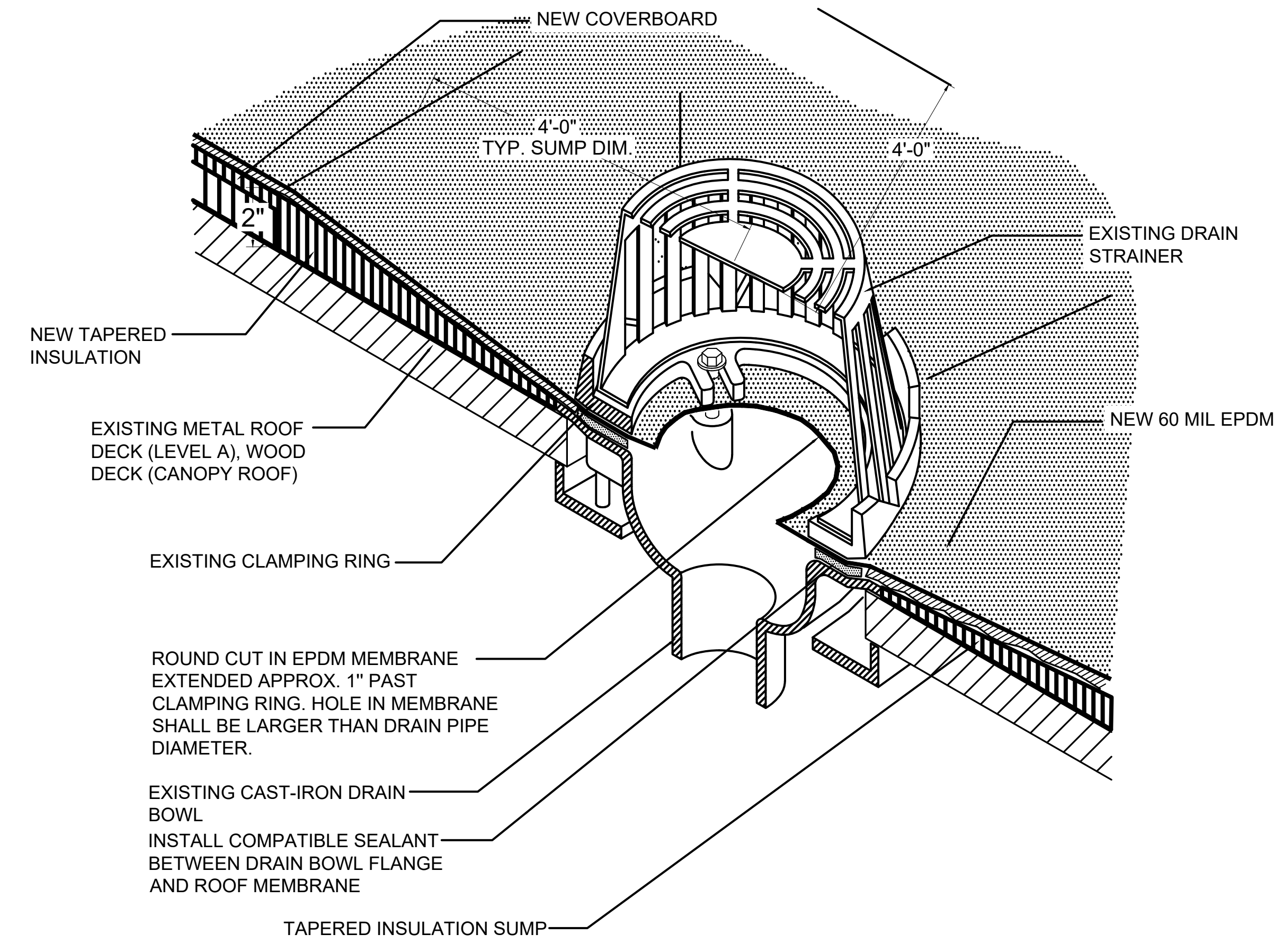
4 BASE FLASHING WITH SURFACE MOUNTED COUNTER-FLASHING AT MASONRY WALL



1 EMBEDDED EDGE-METAL FLASHING



1A BLOCKING ATTACHMENT



2 ROOF DRAIN



NOTES:

PROJECT INFORMATION

IMHI Warehouse Roof Replacement - DAS #9497

52-2797

2277 IOWA AVE., INDEPENDENCE, IA 50644

SHEET TITLE

ROOF DETAILS ADDENDUM #1

SHEET NO.

R2

ISSUED DATE

DRAWN BY	JBF
REVIEWED BY	DS
DATE	03/16/2026
REVISED DATE	