



11 East Superior Street, Suite 420  
Duluth, MN 55802  
218.724.8578  
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DULUTH, MINNESOTA  
January 25, 2021

## ADDENDUM No. 2

### FOR UMD Natural Resources Research Institute (NRRI) Reroof Project UMD PROJECT #: 03-569-20-2122

The following interpretations, clarifications, supplements, and changes shall be made to the Bidding and Contract Documents dated 1.6.2021 for the referenced project. Please attach this Addendum to the Project Manual in your possession.

The bid date of **January 28th, 2021 at 2:00pm** remains the same.

#### A. GENERAL NOTES

1. None

#### B. CHANGES TO PROJECT MANUAL

- A. In specification "Section 01 23 00 ALTERNATES", In PART 3, 3.01, A., 2., Revise to read "Alternate: Perform elevator machine room reroof and roof hatch work as indicated within bid documents on sheets A1, A2, and A101 (guardrail work). Alternate work shall include providing and installing roof hatch. The structural steel installation and opening will be performed through University Project #03-569-20-1078. Reference documents for this project can be obtained through the MBID system. Contractor will coordinate with other trades, from the other project, for the faithful completion and performance of the roof work."
- B. In specification "Section 01 74 19 CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL",
  1. In PART 3, 3.05, Remove section B.
  2. In PART 3, 3.05, Remove section C.
  3. Remove concrete recycling requirements.
- C. In specification "Section 07 51 13 BUILT-UP ASPHALT ROOFING",
  1. In PART 2, 2.03, remove section C. in its entirety that reads "Cap Sheet: ASTM D 3909, asphalt-impregnated and -coated, glass-fiber cap sheet, with white coarse mineral-granule top surfacing and fine mineral surfacing on bottom surface."
  2. In PART 3, 3.07, A., 3., Revise "Number of Ply Sheets: Three" to read "Number of Ply Sheets: Four."
  3. In PART 3, 3.07, A., 4., Revise "Surfacing Type: A (aggregate)." to read "Surfacing Type: manufacturer recommended aggregate with flood coat system."

C. CHANGES TO DRAWINGS

1. On sheet "A100 – GENERAL NOTES AND ROOF REFERENCE PLAN", under the "ROOF ASSEMBLIES" heading, revise (4) instances of "MULTI-PLY BUILT-UP ROOF WITH AGGREGATE BALLAST" TO READ "MULTI-PLY BUILT-UP ROOF WITH AGGREGATE AND FLOOD COAT".
2. Remove sheet "A101 – ROOF PLAN", and replace with attached revised sheet "A101 – ROOF PLAN".
  - a. Roof plan updated to show alternate (not base bid)
  - b. Guards removed at existing roof ladders where not required.
3. Remove sheet "A112 – ROOF DETAILS", and replace with attached revised sheet "A112 – ROOF DETAILS".
  - a. Parapet guard detail revised to be parapet mounted.

**END OF ADDENDUM**

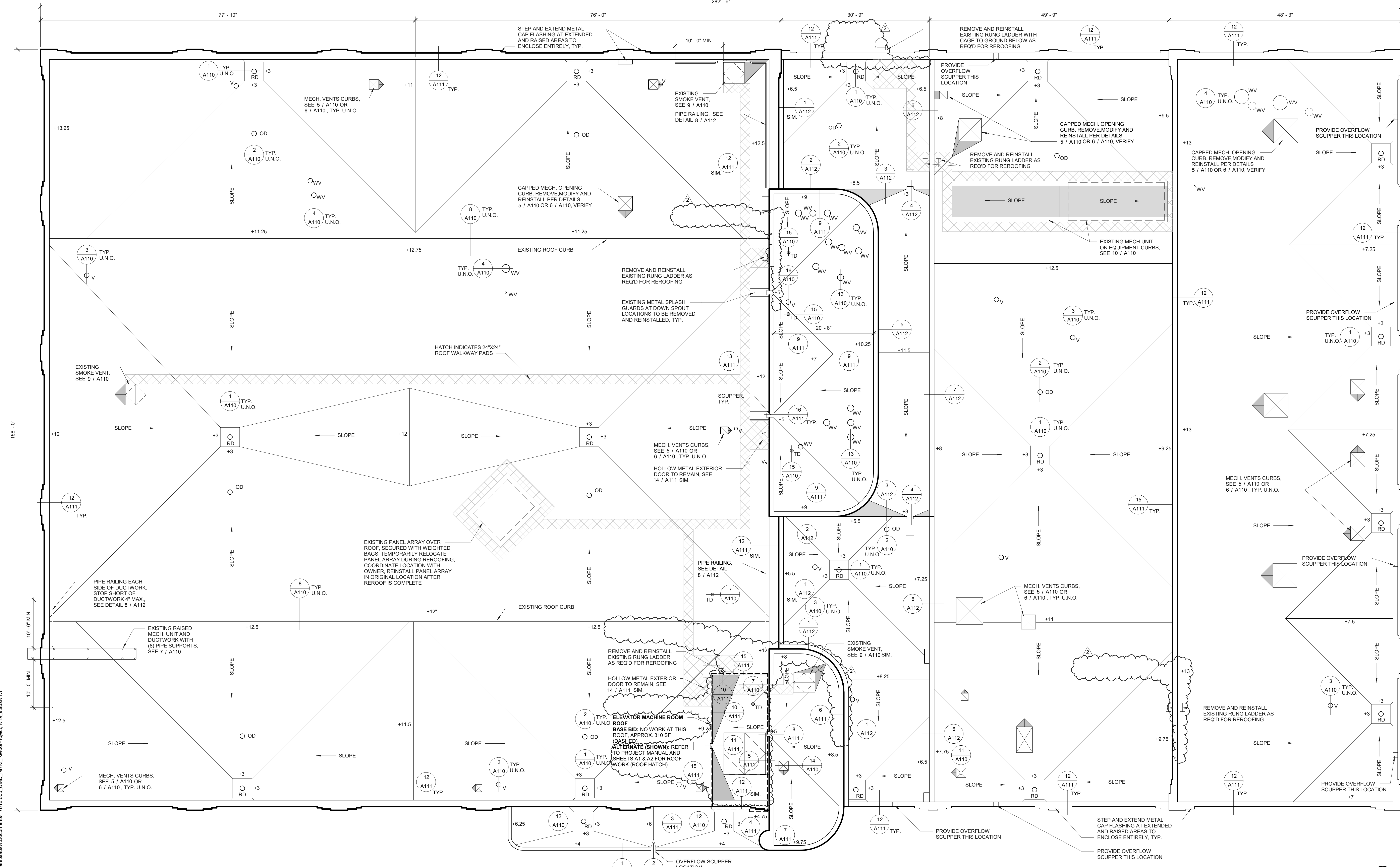
**SHEET NOTES**

- REFER TO SHEET A100 FOR ADDITIONAL GENERAL NOTES AND ROOF ASSEMBLY TYPES AND LOCATION FOR PROJECT.
- REFER TO HAZARDOUS MATERIAL REPORT CREATED BY TWIN PORTS TESTING, DATED 3/4/2020, TPT PROJECT #20A0138, REGARDING EXISTING ROOF CONSTRUCTION HAZARDOUS MATERIALS.
- ROOF DECK SHALL BE SWEEPED CLEAN OF ALL DEBRIS AND DUST PRIOR TO PRIMING OR ROOFING.
- CONTRACTOR SHALL COORDINATE AND VERIFY THE QUANTITY, SIZE, AND LOCATION OF ROOF PENETRATIONS WITH EXISTING ON SITE AND MECHANICAL CONTRACTOR. THE ARCHITECTURAL ROOF PLAN MAY NOT SHOW ALL PENETRATIONS.
- INSULATION THICKNESS AT ROOF DRAINS SHALL BE 3", 2'-0" AWAY FROM THE DRAIN. REFER TO 1/A110 FOR ROOF DRAINS AT CONCRETE DECK AND 12/A110 FOR ROOF DRAINS AT METAL DECK.
- UNLESS NOTED OTHERWISE, TYPICAL ROOF SLOPE TO BE 1/4" PER FOOT.
- CRICKETS SHALL BE TAPERED AT A RATE OF 1/2" PER FOOT SLOPE AND BE PROVIDED AT ALL UPSLOPE SIDE OF PENETRATIONS, NOT INCLUDING PIPE OR CONDUIT.
- THE HEIGHT OF ALL FLASHING AND CURBS SHALL BE A MINIMUM OF 8" ABOVE TOP SURFACE OF ROOFING, UNLESS NOTED OTHERWISE.
- ADDITIONAL FILL MAY BE REQUIRED WHERE CONCRETE SLAB HAS DEPRESSIONS TO ACHIEVE PROPER DRAINAGE ROOF SLOPE. AREAS ARE TO BUILT UP WITH INSULATION OR MULTILAYERS OF WOOD FIBER BOARD. IF EXISTING AREAS OF FILL ARE IN GOOD CONDITION, THEY MAY REMAIN. COORD. WITH ARCHITECT.
- PROVIDE TAPERED FIBER BOARD FILLER OR INSULATION AT LOCATIONS WHERE CANT STRIPS CAN NOT BE PROVIDED, TYPICAL.

DRAWING SYMBOL LEGEND			
ROOF PLANS			
SLOPE →	INDICATES 1/4" PER FOOT SLOPE TOWARD DRAIN, U.N.O.	+XX	INDICATES INSULATION DEPTH ONLY IN INCHES
○ RD	INDICATES EXISTING PRIMARY ROOF DRAIN LOCATION	○ OD	INDICATES EXISTING OVERFLOW DRAIN LOCATION
◀	INDICATES INSULATION CRICKET LOCATION	I	INDICATES ACCESS LADDER LOCATION
○ V	INDICATES VENT PIPE PENETRATION	⊠	INDICATES MECHANICAL VENT WITH CURB, VERIFY CURB CONDITION AT TEAR OFF.
○ WV	INDICATES WARM VENT STACK PENETRATION	⊠	24"x24" ROOF WALKWAY PADS
○ TD	INDICATES EXISTING GUY WIRE TIE DOWN PIPE PENETRATION		

**UMD**  
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Driven to Discover  
**UNIVERSITY OF MINNESOTA-DULUTH**  
5013 MILLER TRUNK HWY  
HERMANTOWN, MN 55811

**NRRI REROOF PROJECT**  
UNIVERSITY PROJECT #:  
03-569-20-2122



ALL CONTRACTORS AND SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS BY MEASUREMENT AT THE BUILDING AND/OR SITE.

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

**BID SET**  
1.6.2021

NO.	DATE	ISSUE RECORD	ADDENDA #1
2	1.25.2021		
1	1.6.2021		

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: *[Signature]*  
PRINTED NAME: WESLEY D. STABS  
LICENSE NO: 51237  
DATE: 1.6.2021

11 East Superior Street, Suite 420  
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DESIGNED: WDS  
DRAWN: JKE  
CHECKED: WDS  
**ROOF PLAN**

**1 OVERALL ROOF PLAN**  
A101  
1/8" = 1'-0"

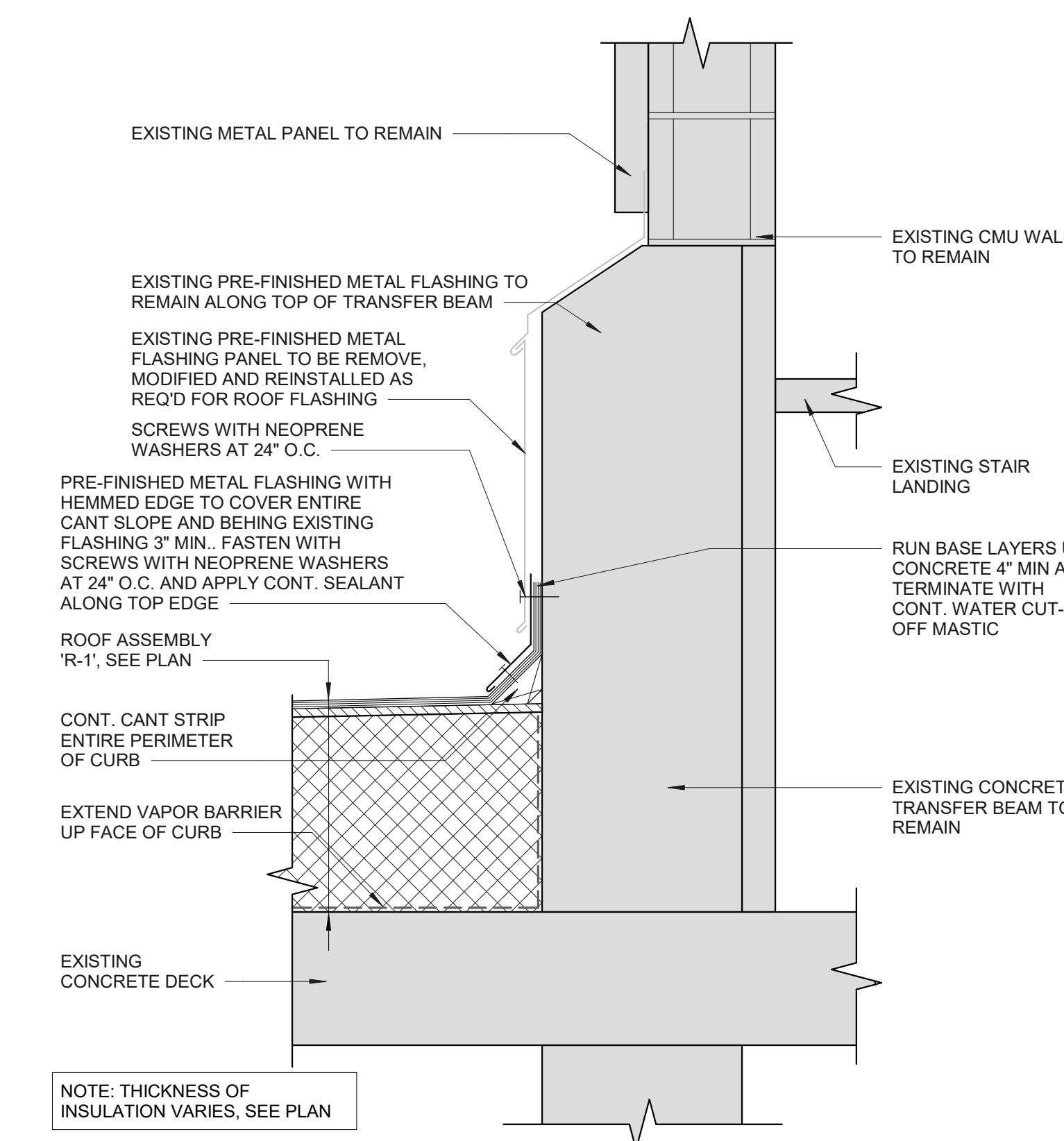
**A101**  
17818.000

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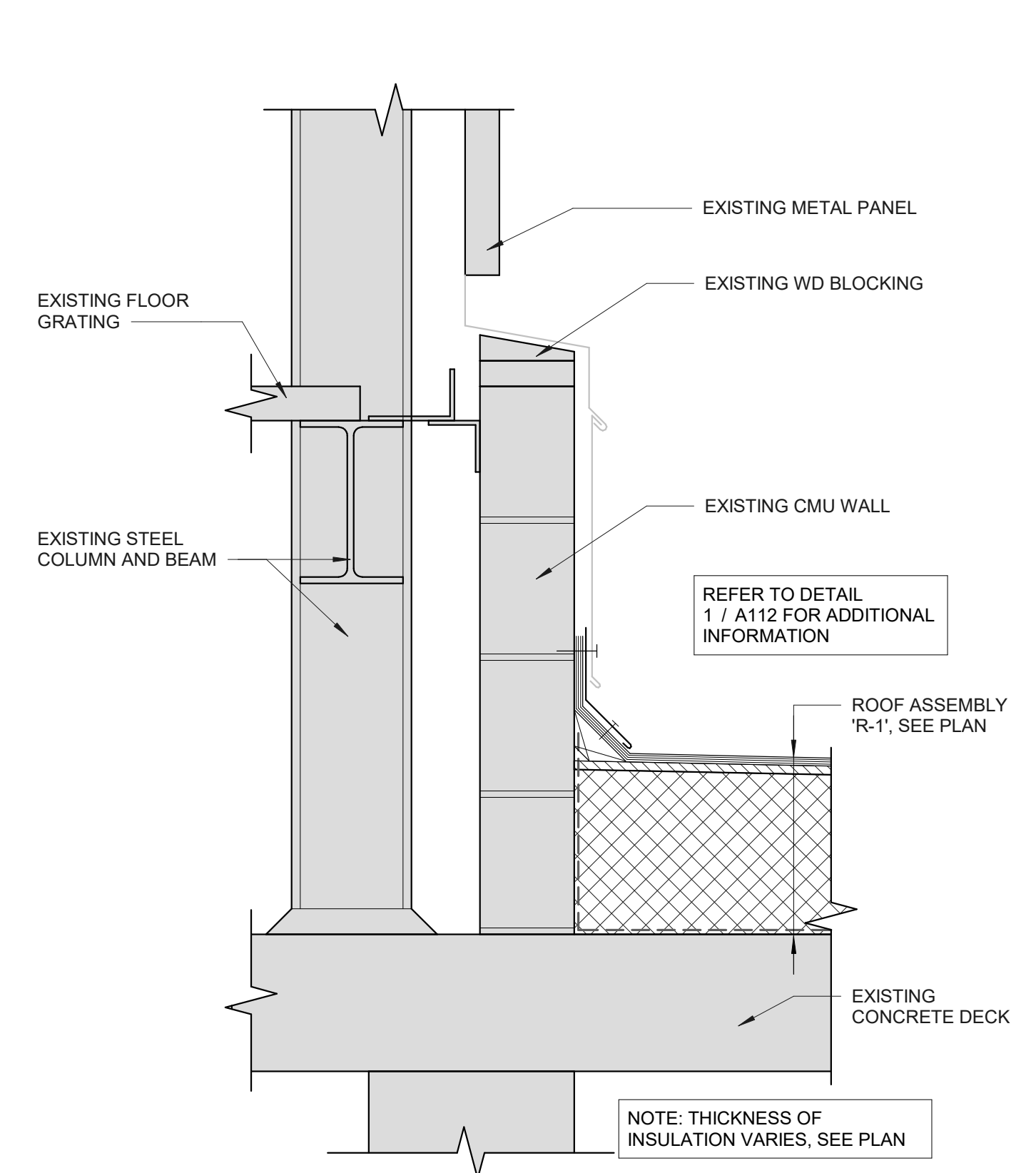
**NRRI REROOF PROJECT**

UNIVERSITY PROJECT #:

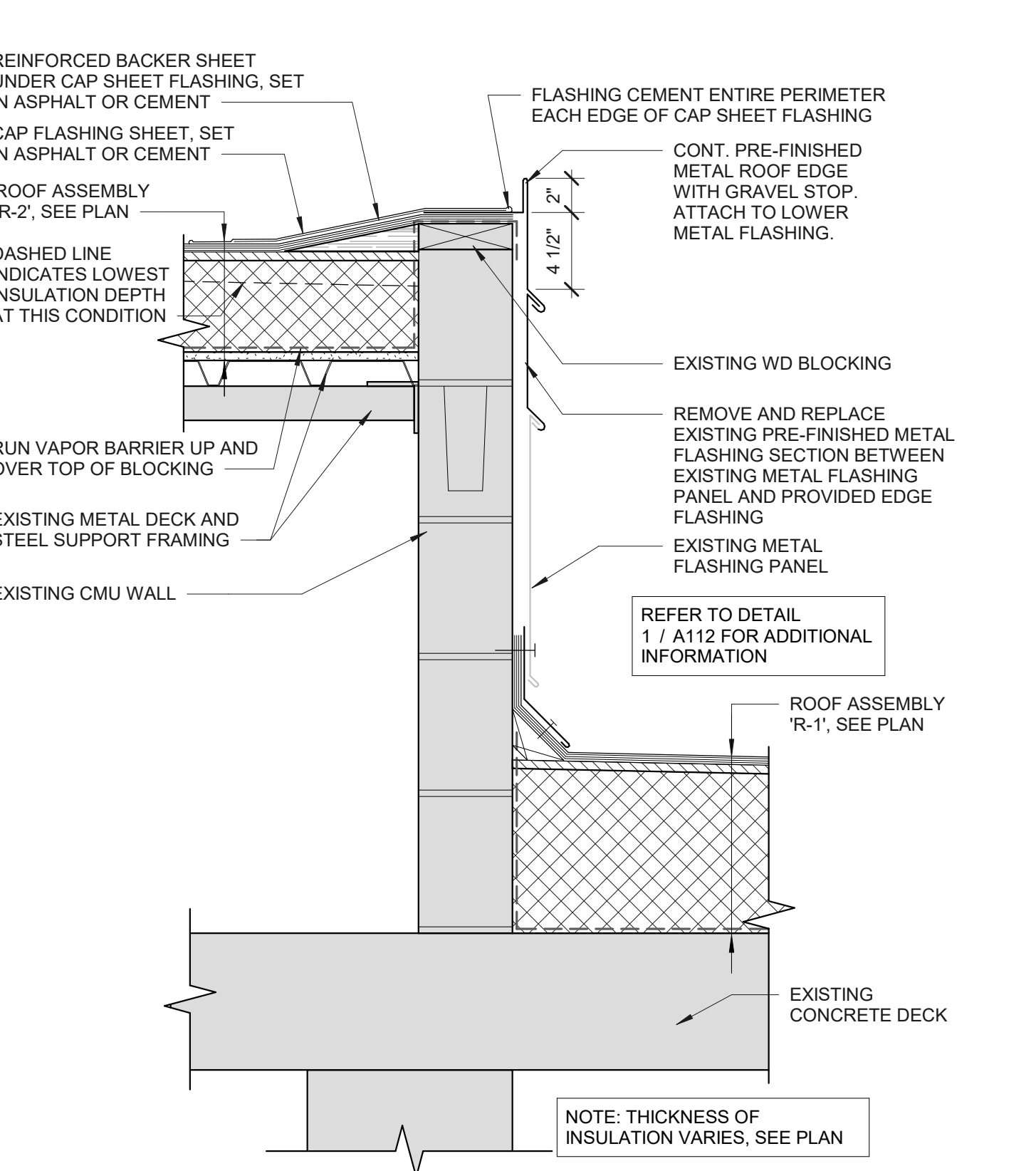
03-569-20-2122



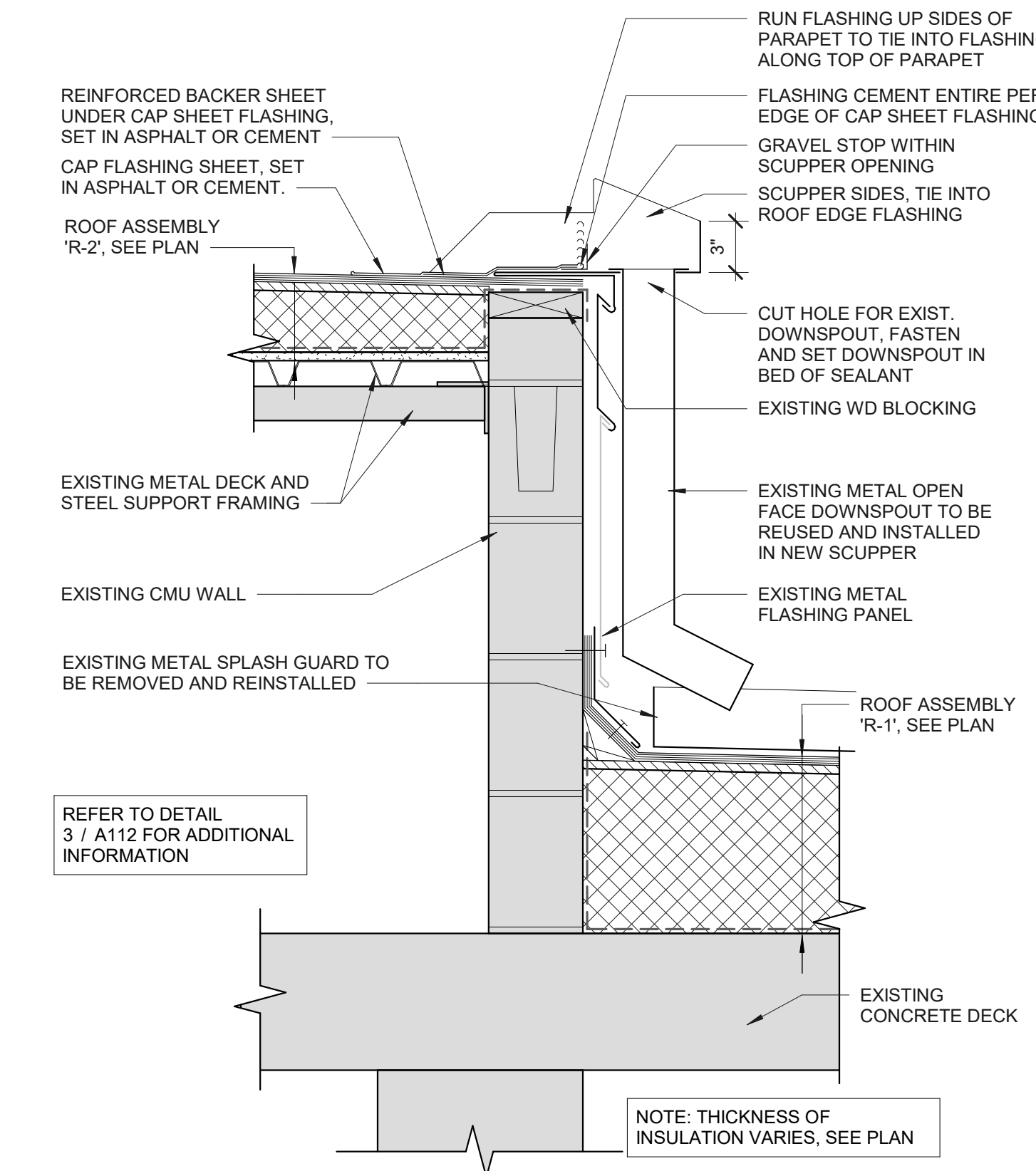
**1 ROOF FLASHING AT CONCRETE TRANSFER BEAM**  
1 1/2" = 1'-0"



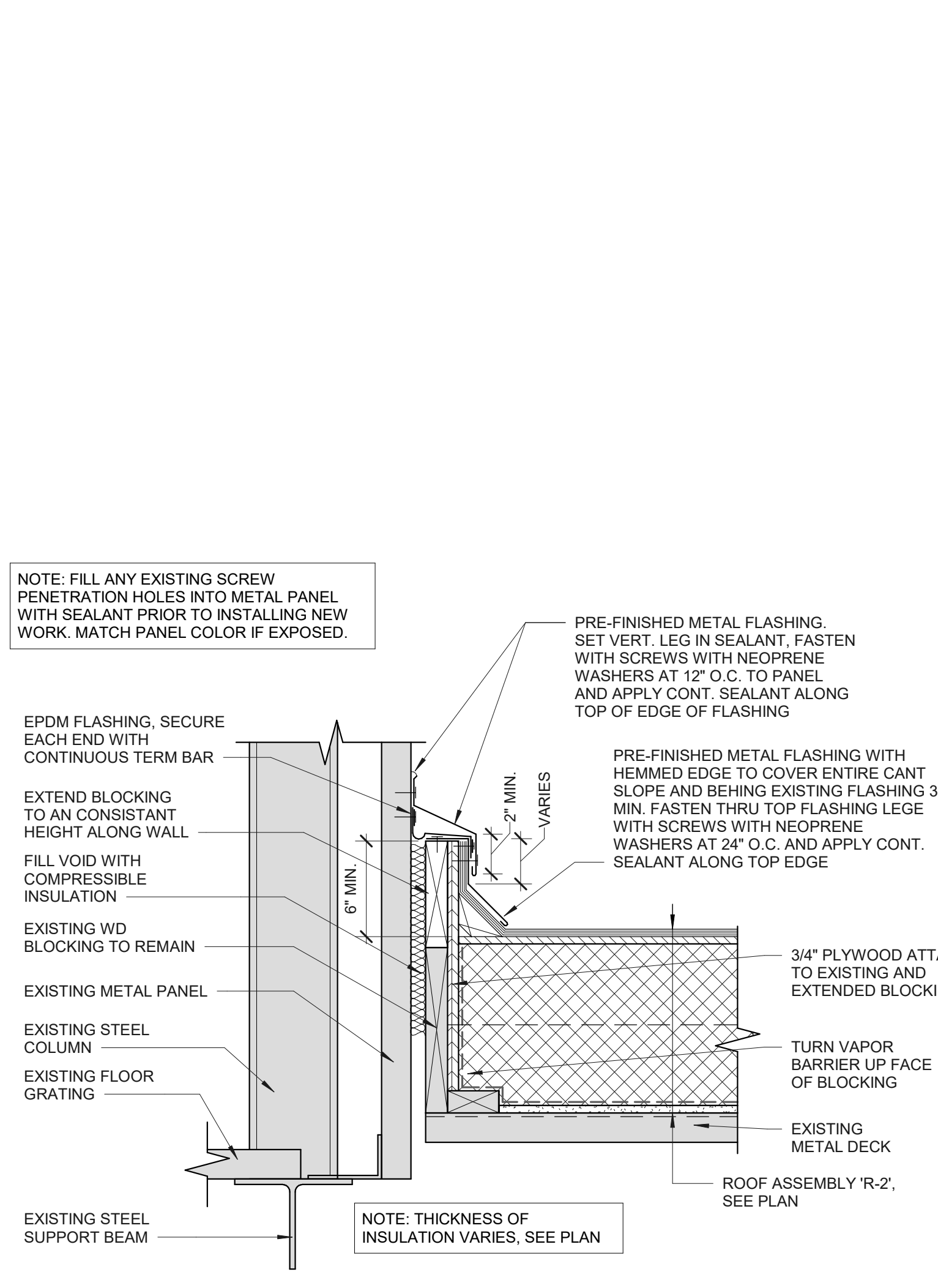
**2 ROOF FLASHING**  
1 1/2" = 1'-0"



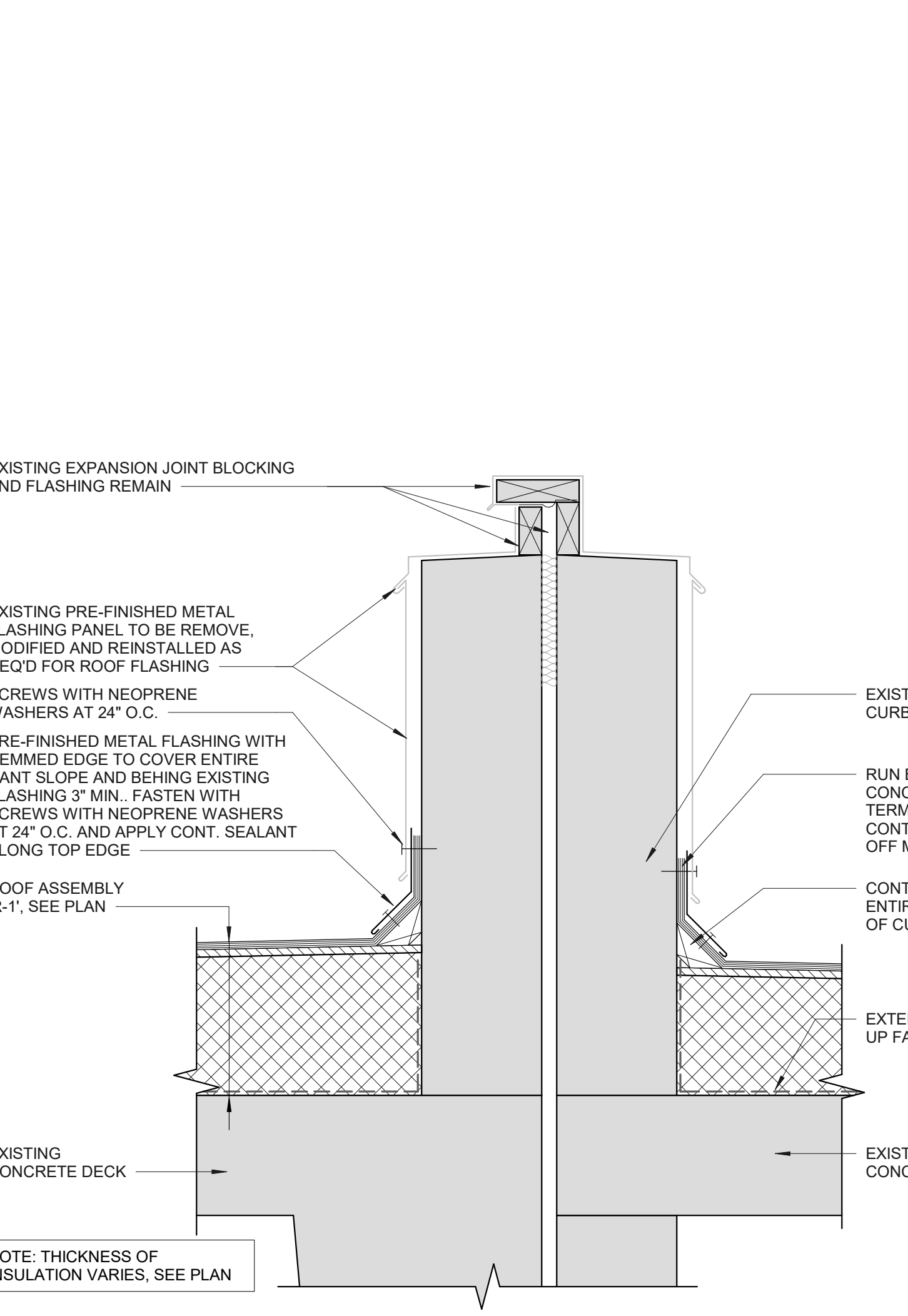
**3 ROOF TRANSITION FLASHING**  
1 1/2" = 1'-0"



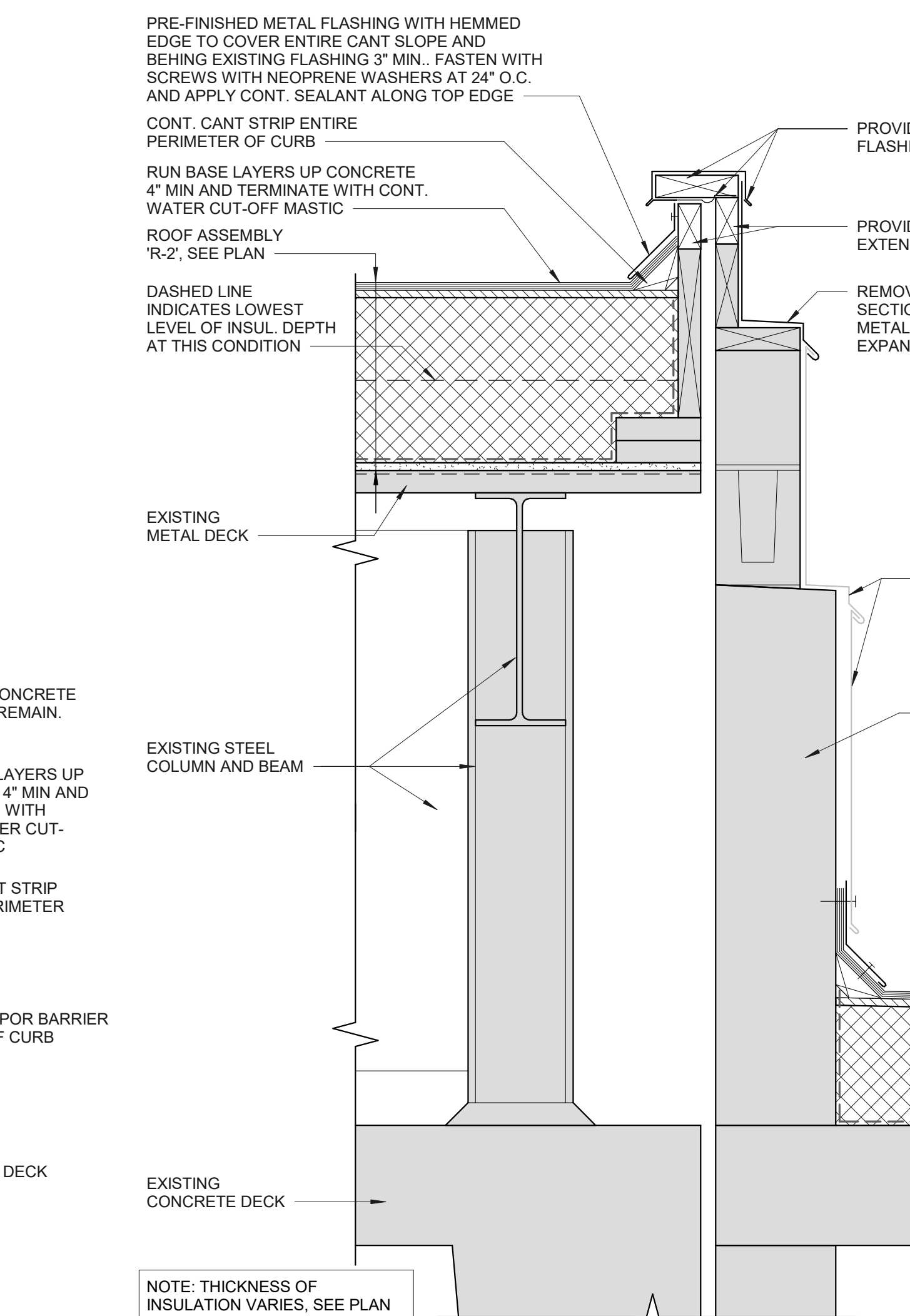
**4 ROOF TRANSITION SCUPPER**  
1 1/2" = 1'-0"



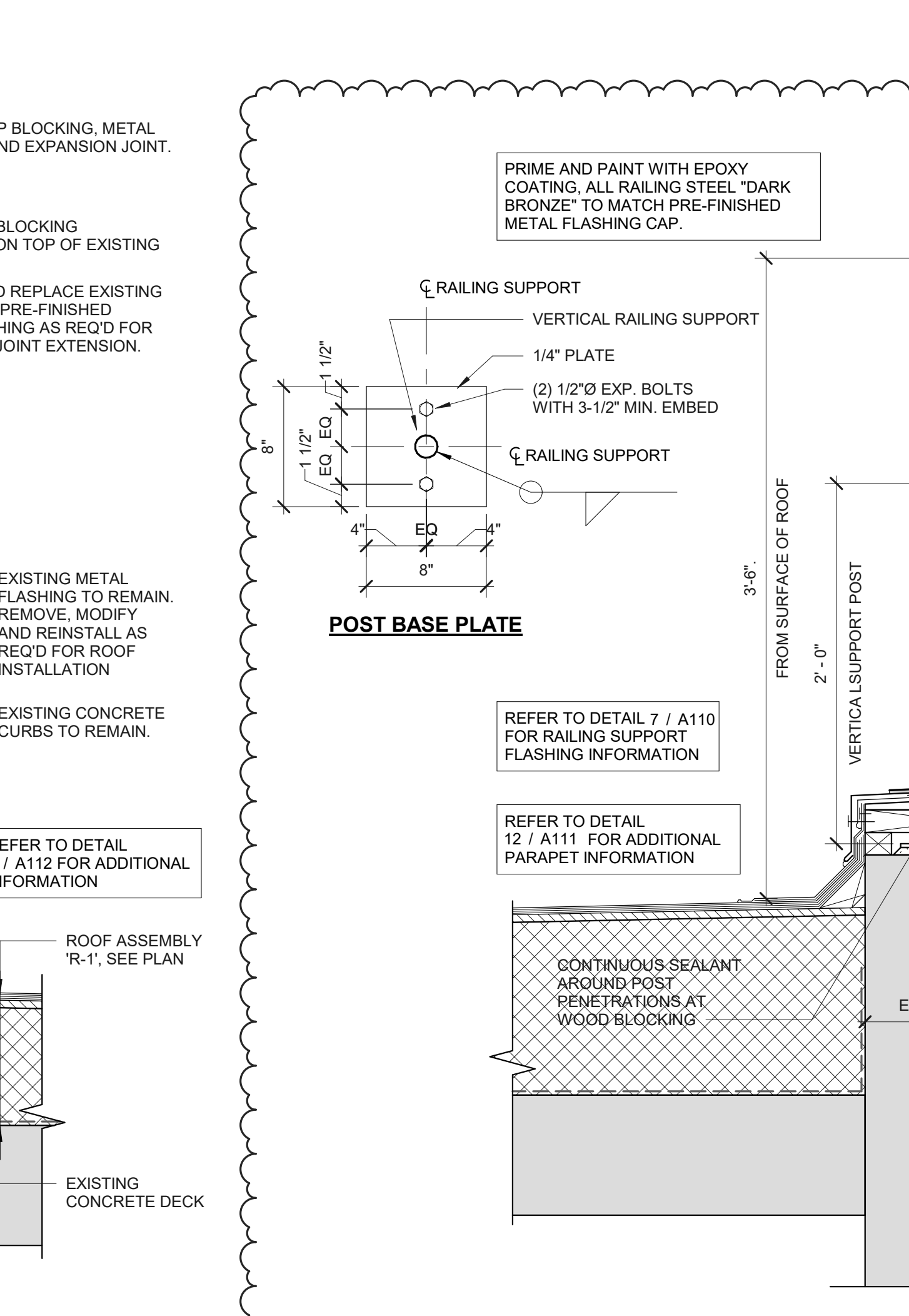
**5 ROOF FLASHING**  
1 1/2" = 1'-0"



**6 ROOF EXPANSION JOINT**  
1 1/2" = 1'-0"



**7 ROOF EXPANSION JOINT**  
1 1/2" = 1'-0"



**8 RAILING AT PARAPET**  
1 1/2" = 1'-0"

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**ROOF DETAILS**

**A112**

17818.000