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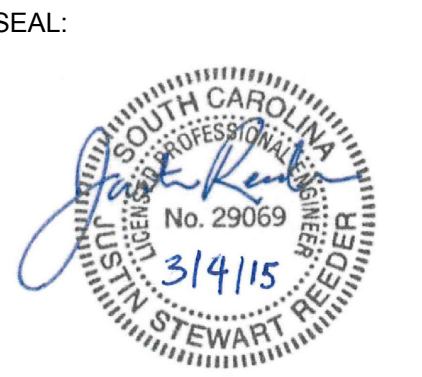
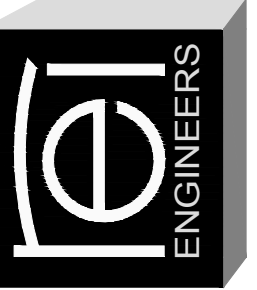
ABBREVIATION LIST	
MAX.	MAXIMUM
MIN.	MINIMUM
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
S.S.	STAINLESS STEEL
SIM.	SIMILAR
TERM.	TERMINATION
TYP.	TYPICAL

CODE COMPLIANCE REFERENCE LIST	
2012 INTERNATIONAL BUILDING CODE WITH SC MODIFICATIONS	
2012 INTERNATIONAL FIRE CODE WITH SC MODIFICATIONS	
2012 INTERNATIONAL PLUMBING CODE	
2012 INTERNATIONAL MECHANICAL CODE	
2009 INTERNATIONAL ENERGY CONSERVATION CODE	
2012 INTERNATIONAL FUEL GAS CODE WITH SC MODIFICATIONS	
2011 NATIONAL ELECTRIC CODE	

RE BID WILLIAMS BRICE BUILDING AND AUDITORIUM ROOF REPLACEMENT

UNIVERSITY OF SOUTH CAROLINA
1601 GREENE ST.
COLUMBIA, SC 29208

ROOFING, WATERPROOFING & BUILDING ENVELOPE ENGINEERS & CONSULTANTS
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RE BID WILLIAMS BRICE BUILDING AND AUDITORIUM ROOF REPLACEMENT
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC
REI PROJECT #: 14CHS-078

REVISION #	REVISION DATE
1	
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DRAWN BY: CGB

SCALE: N.T.S.

DATE: 03/04/2015

DRAWING:

R-001

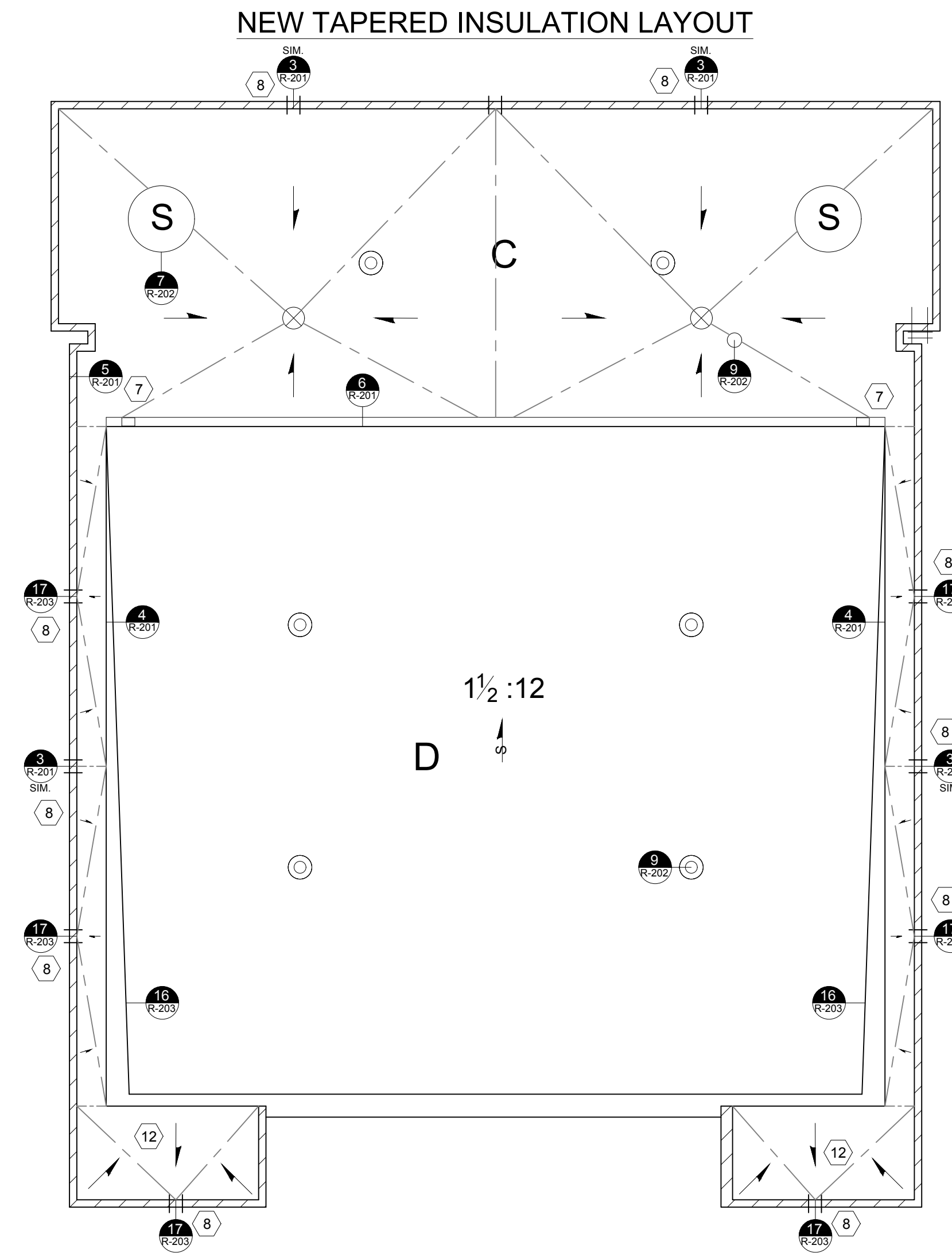
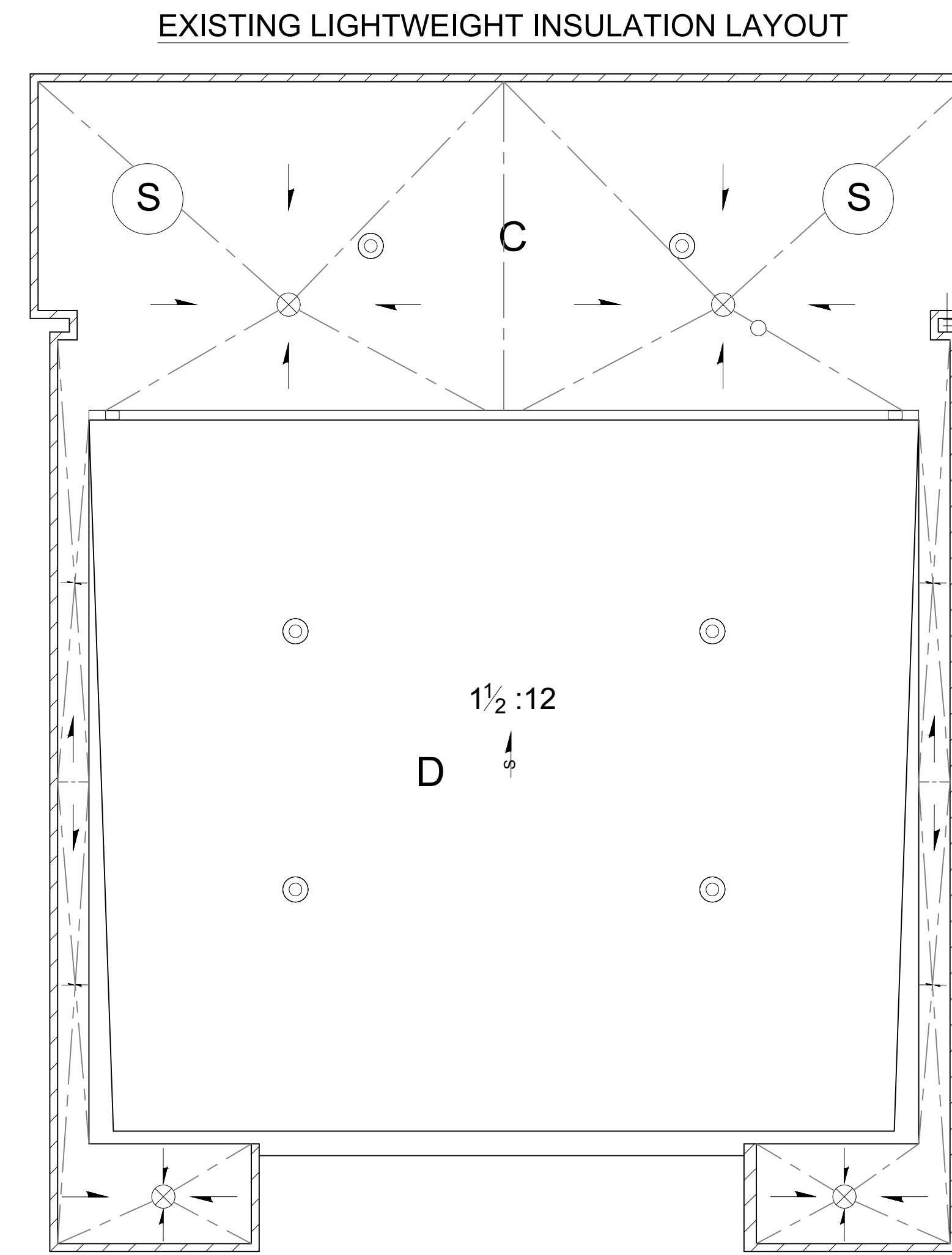
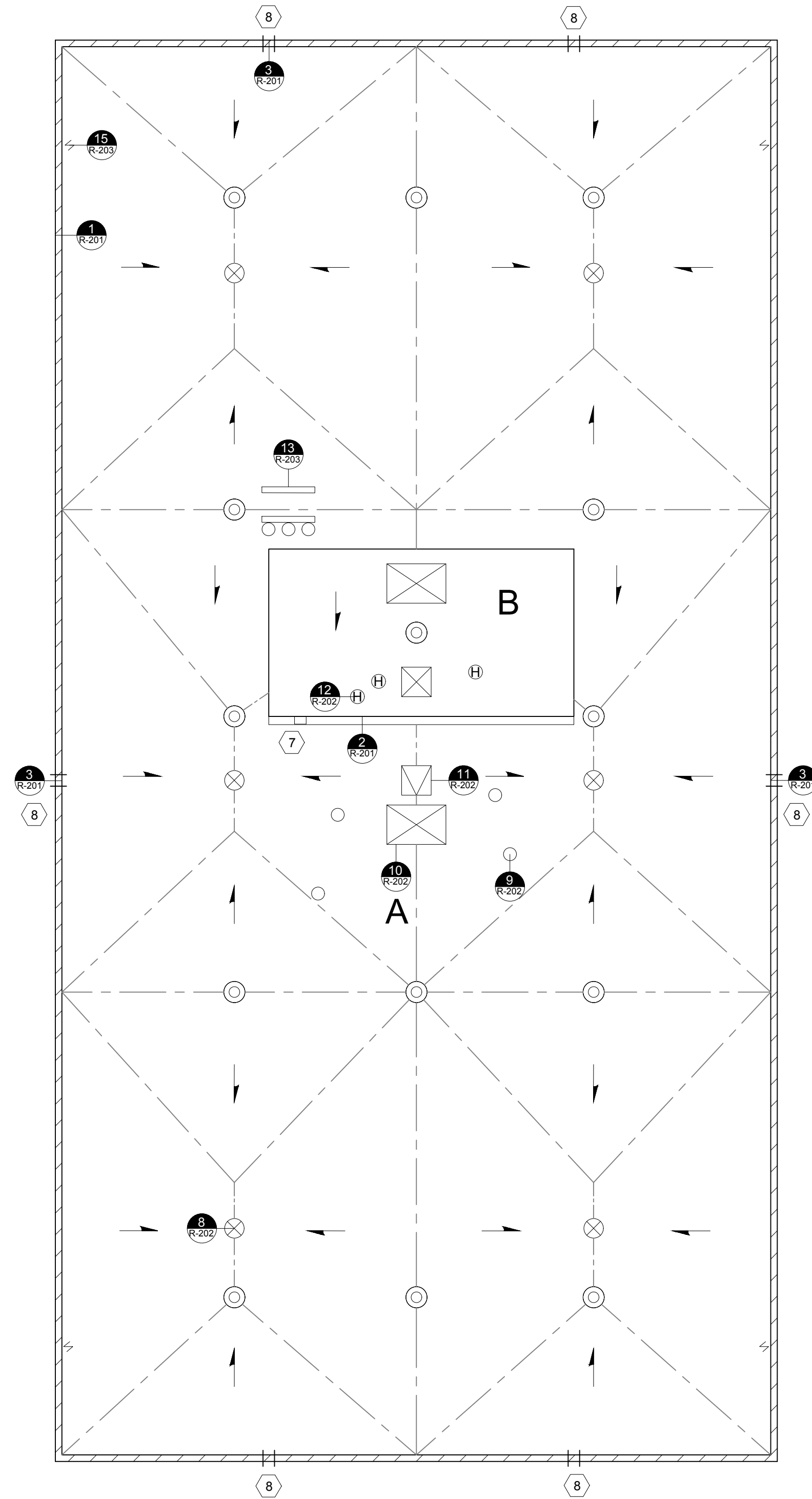
SHEET 1 OF 7

COVER SHEET

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SECTOR	AREA (SQUARE FEET)
A	±9,769
B	±527
C	±2,857
D	±4,191
TOTAL	±17,344

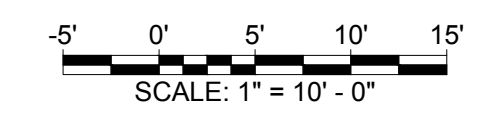
CONTRACTOR TO VERIFY ALL QUANTITIES PRIOR TO BIDDING



KEY

	PARAPET WALL
	THROUGH WALL SCUPPER
	ROOF EDGE WITH GUTTER AND DOWNSPOUT
	ROOF EDGE
	RIDGE-HIP-VALLEY
	STRUCTURAL SLOPE
	TAPERED SLOPE
	ROOF DRAIN
	EQUIPMENT CURB
	ROOF HATCH
	EQUIPMENT SUPPORT CURB
	VENT TO BE REMOVED
	PIPE PENETRATION
	HOT STACK
	SKYLIGHT
	LIGHTNING PROTECTION TERMINAL
	ROOF ACCESS LADDER
	DETAIL NUMBER

- NOTES: (#)
- RESECURE EXISTING NAILERS IN ACCORDANCE WITH FM DATA SHEET 1-49.
 - SECURE NEW NAILERS IN ACCORDANCE WITH FM DATA SHEET 1-49.
 - INSTALL NEW NAILERS AS REQUIRED TO MATCH SPECIFIED INSULATION THICKNESS. ADJUST NAILERS AS REQUIRED FOR SMOOTH TRANSITIONS. MAINTAIN LEVEL HEIGHT ALONG PERIMETER EDGE. ADJUST AS REQUIRED TO PREVENT PONDING WATER.
 - PROVIDE CRICKETS BEHIND CURBS 12" WIDE OR GREATER.
 - CONTRACTOR SHALL BECOME FAMILIAR WITH AND VERIFY THE CONDITION, DIMENSION, AND LOCATION OF ALL ROOF AREAS INCLUDING ROOFTOP EQUIPMENT, FLASHINGS, PIPE LINES, CONDUIT, PIPE SUPPORTS, ETC., BEFORE SUBMITTING BID. NOT ALL EXISTING PIPES, CONDUIT, ELECTRICAL LINES, CABLES, GUY WIRES, AND DUCTWORK ABOVE THE ROOF SURFACE HAVE BEEN SHOWN ON THE ROOF PLAN.
 - RAISE ALL ROOFTOP MOUNTED EQUIPMENT, SUPPORT STANDS AND OTHER APPURTENANCES AS NECESSARY TO PROVIDE AN EIGHT INCH FLASHING HEIGHT ABOVE THE FINISHED ROOF SURFACE. RAISE OR EXTEND ASSOCIATED DUCTWORK, GAS LINES, AIR CONDITIONING LINES, ETC., TO ACCOMMODATE PROPER REINSTALLATION OF THE LINES TO THE ASSOCIATED EQUIPMENT AFTER THE EQUIPMENT HAS BEEN RAISED. PROVIDE NECESSARY EQUIPMENT TO BLEED FREON FROM AIR CONDITIONING AND HVAC LINES
 - PROVIDE WALKWAY PAD ROUTED FROM SPLASH PAN TO NEAREST INTERIOR ROOF DRAIN AS SPECIFIED.
 - REFER TO SECTION 07 62 00 FOR FINISHED SCUPPER DIMENSIONS. SCUPPERS SHOWN AT SECTORS C AND TWO AT SECTOR A ARE NEW.
 - SCRAPE AND PRIME EXISTING ROOFTOP EQUIPMENT AND STEEL PENETRATIONS PRIOR TO REMOVAL OF EXISTING ROOF SYSTEM.
 - PROVIDE NEW TAPERED INSULATION NOT SHOWN ON DRAWINGS AND AS REQUIRED TO PREVENT PONDING WATER AT SECTOR C. PONDING WATER IS DEFINED IN SECTION 07 22 16.
 - EXISTING LIGHTNING PROTECTION SYSTEM NOT SHOWN. REFER TO DETAIL 14 AND SECTION 07 72 00.
 - REMOVE EXISTING DRAIN COMPONENTS ABOVE DECK. REFER TO SECTION 07 01 50 FOR NEW STEEL PLATE INSTALLATION.
 - DEMOLISH EXISTING LIGHTWEIGHT INSULATION AS REQUIRED FOR INSTALLATION OF NEW TAPERED SYSTEM AT SECTOR C.
 - PROVIDE NEW STEEL PLATE AT LOCATION OF VENT TO BE REMOVED.
 - TAPERED SLOPE IS PROVIDED BY LIGHTWEIGHT CONCRETE AT SECTOR A.



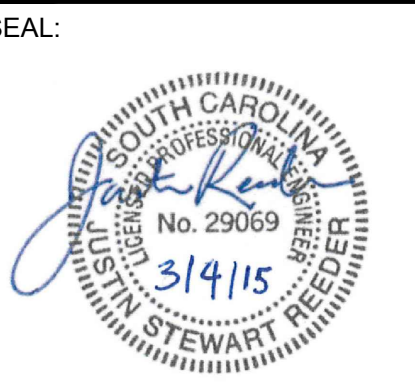
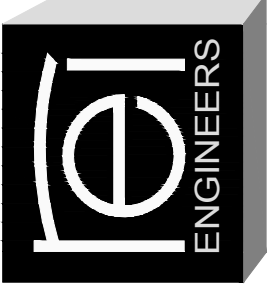
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1	08/18/2015
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DRAWN BY: CGB
SCALE: 1"=10'-0"
DATE: 03/04/2015
DRAWING:
R-101
SHEET 2 OF 7
ROOF PLAN

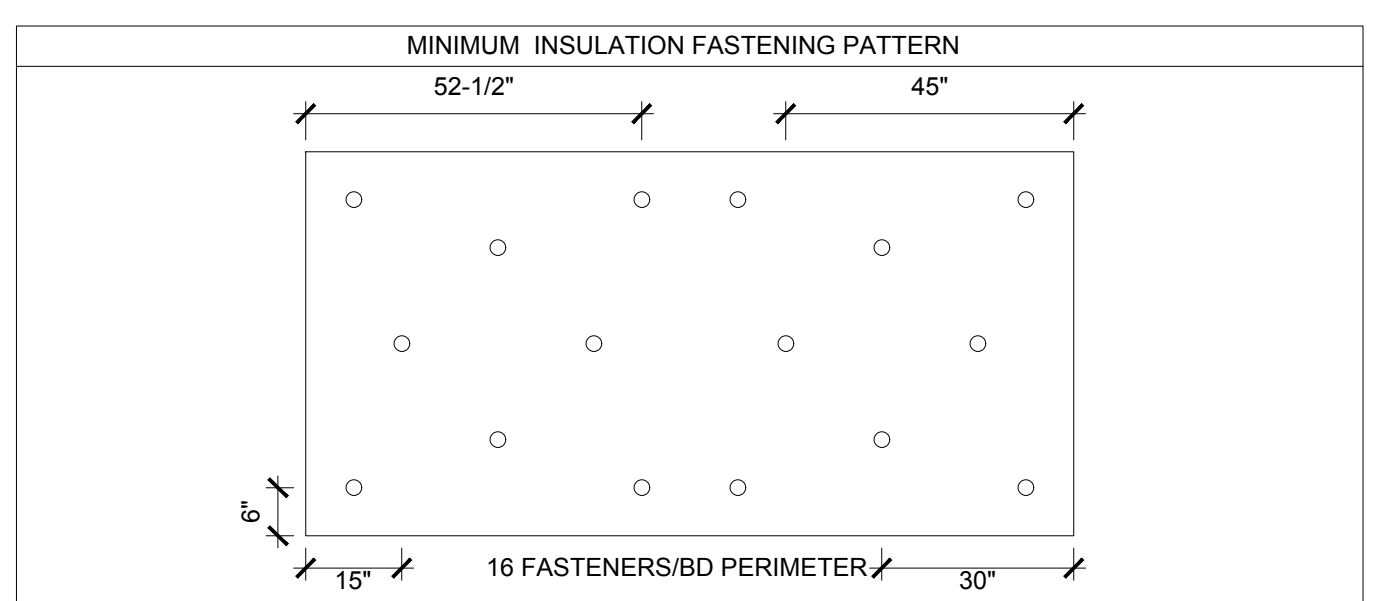
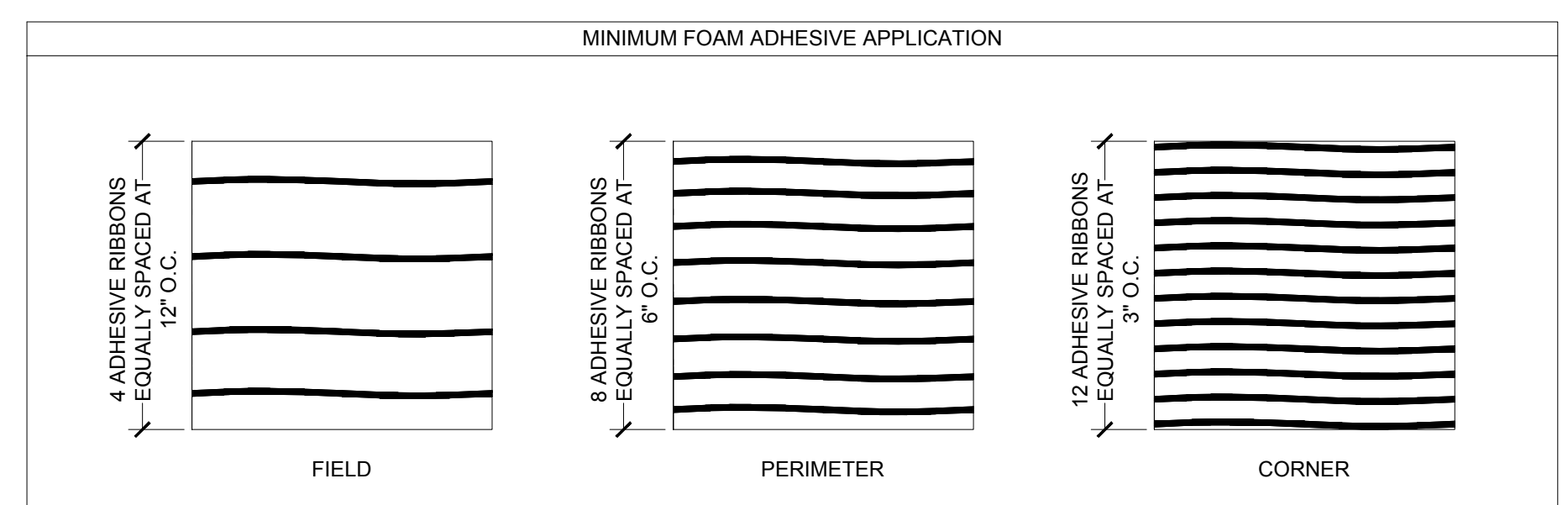
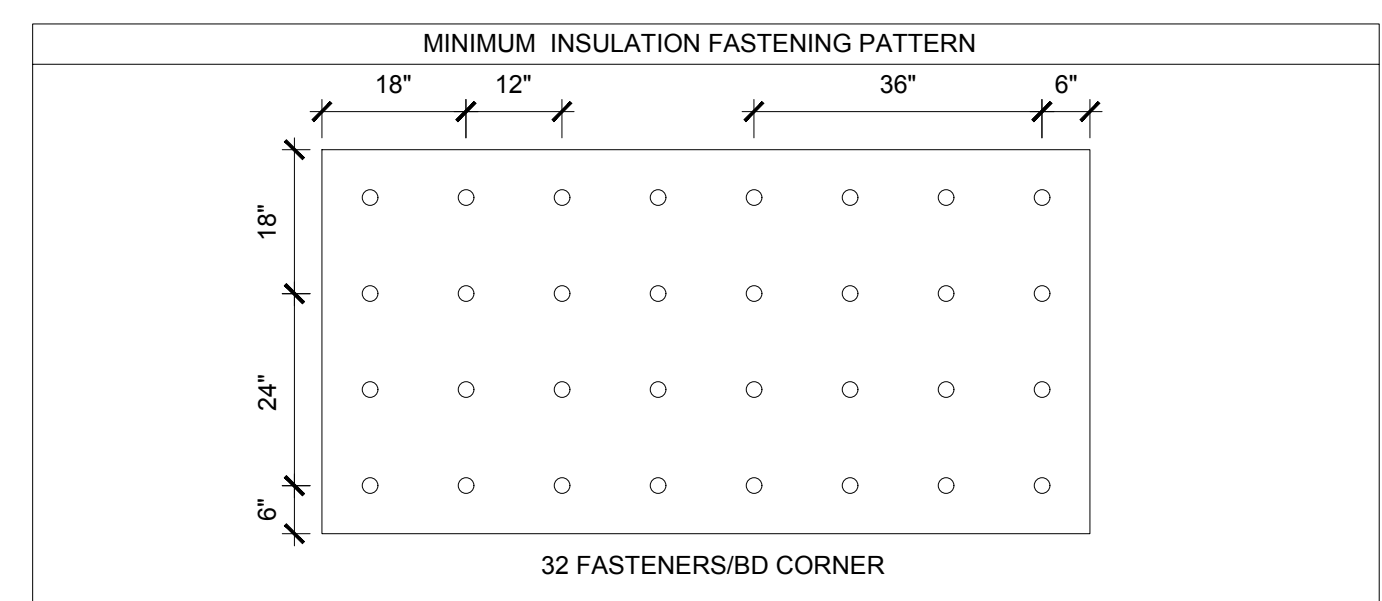
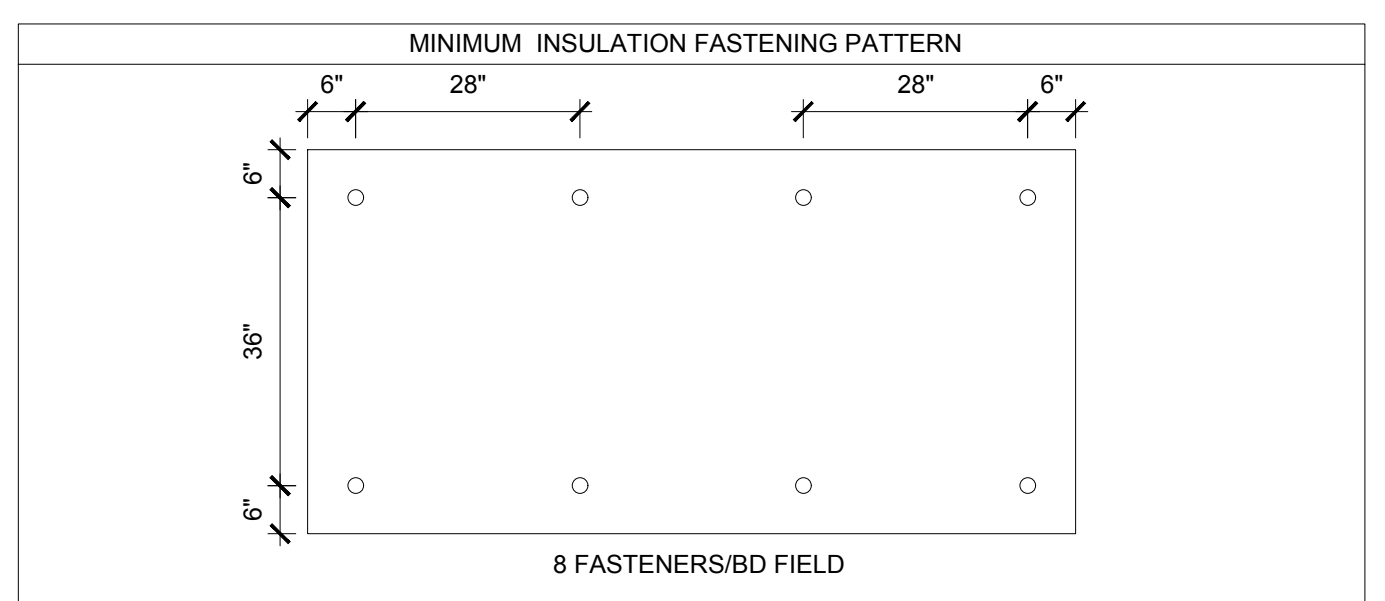
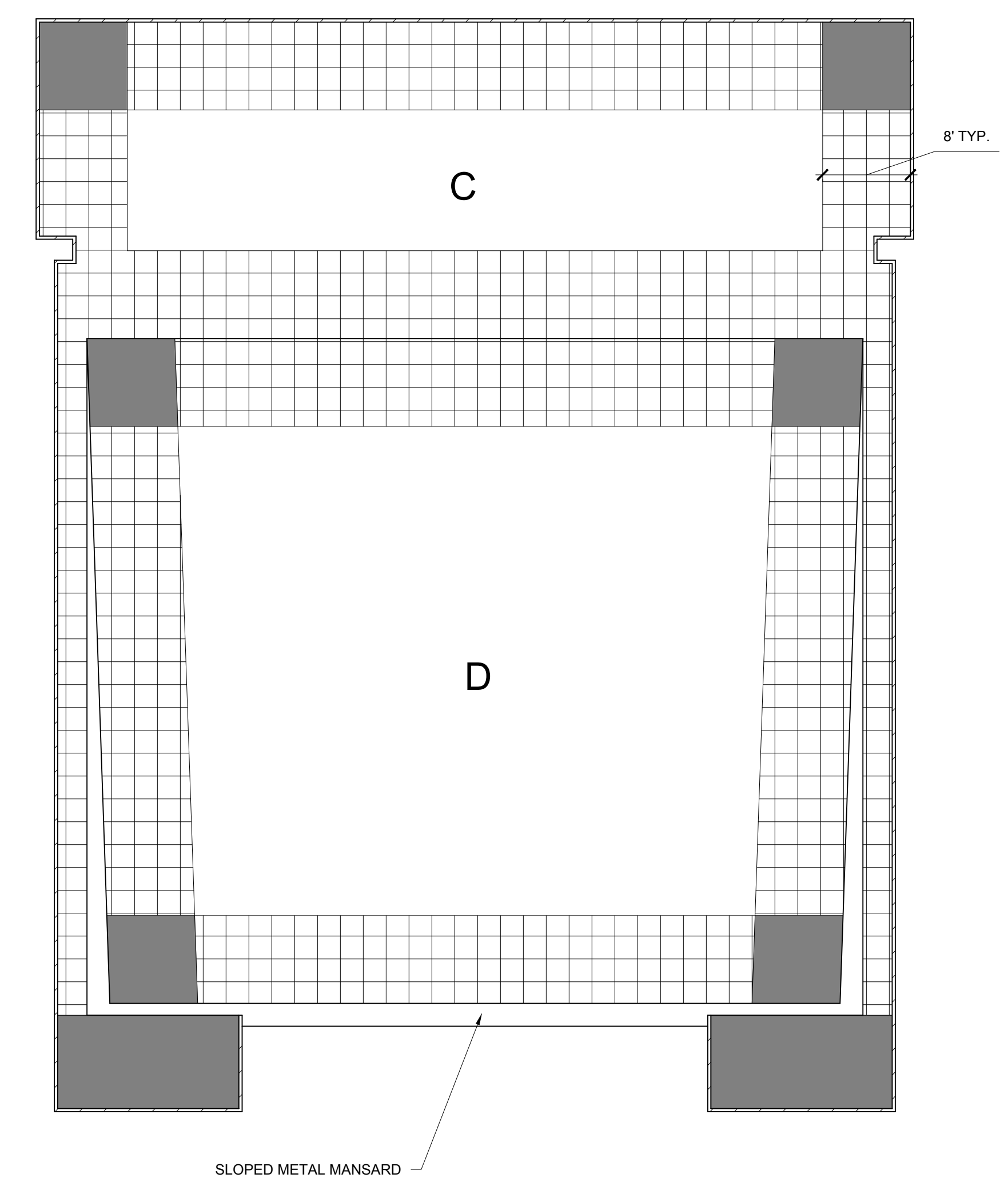
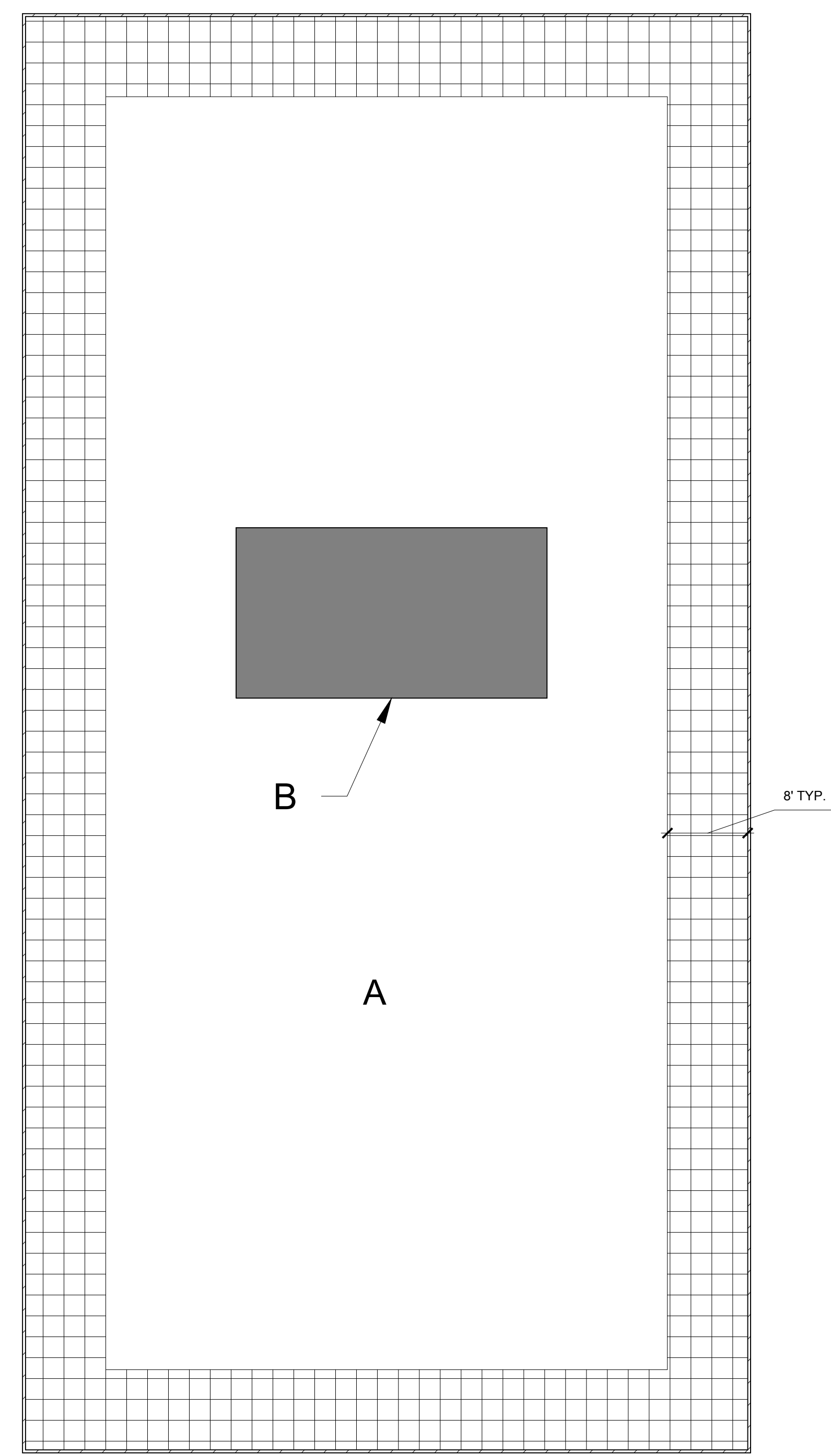


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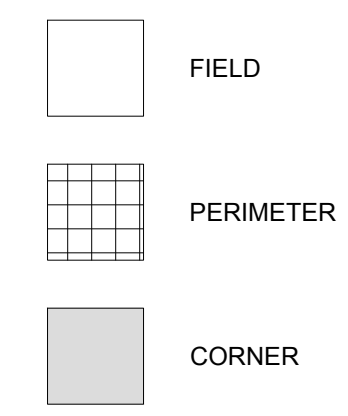
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DATE: 03/04/2015

DRAWING:
R-102
SHEET 3 OF 7
INSULATION ATTACHMENT PLAN

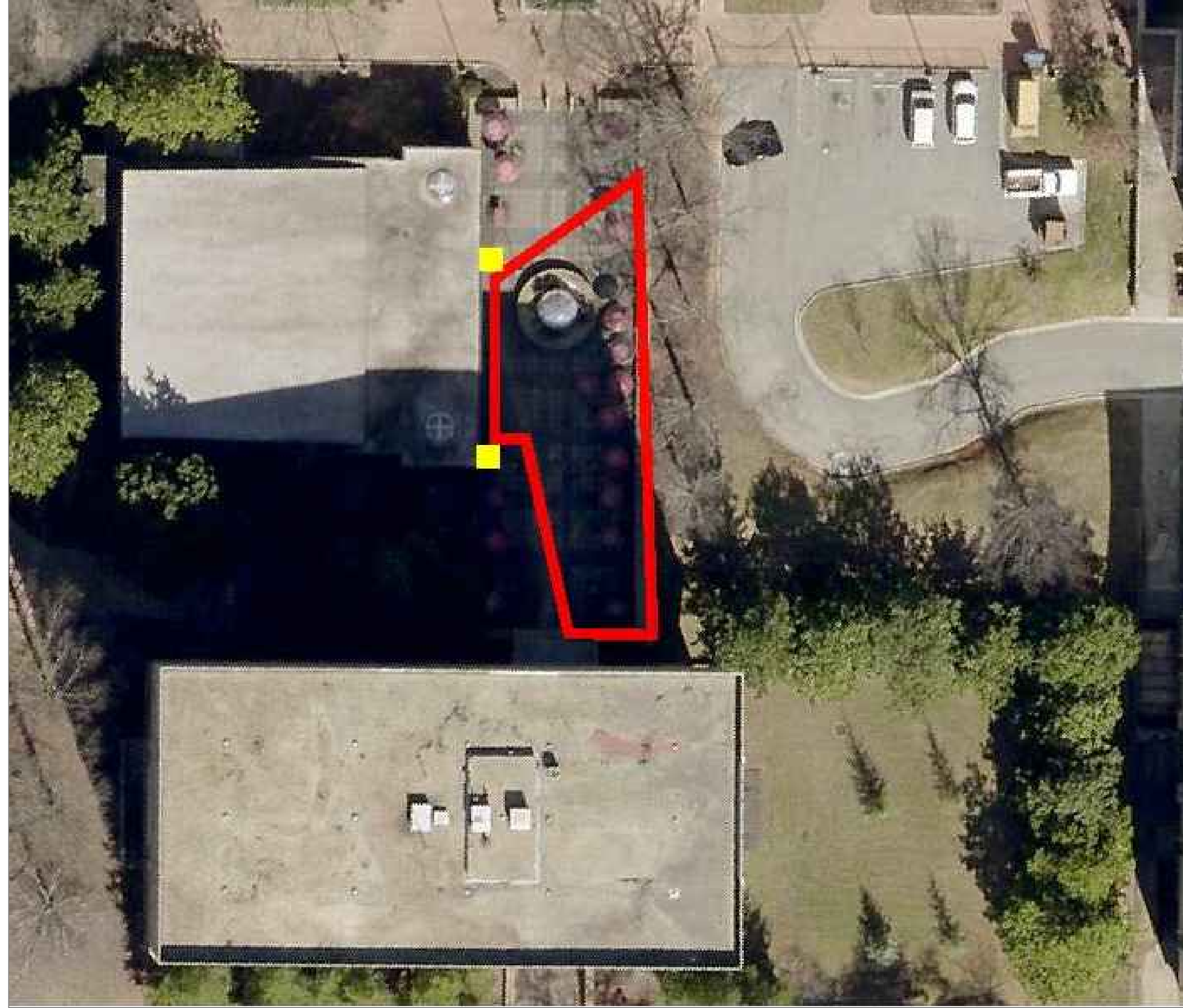


- NOTES:
1. PLACEMENT OF INSULATION FASTENERS SHALL COMPLY WITH INSULATION MANUFACTURER'S PUBLISHED LITERATURE AND THE MEMBRANE MANUFACTURER'S REQUIREMENTS.
 2. CUT OR SCORE BOARDS TO CONFORM TO ANY IRREGULAR SUBSTRATE CONDITIONS.
 3. INSTALL NUMBER OF FASTENERS REQUIRED BY MEMBRANE MANUFACTURER'S TESTED ASSEMBLY TO MEET WIND DESIGN UPLIFT PRESSURES SPECIFIED IN SECTION 07 54 00.

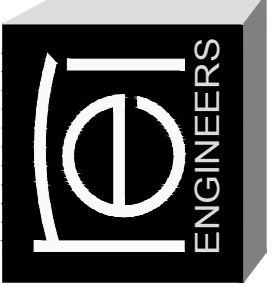


NOTES: #

1. PROVIDE TEMPORARY FENCING WITH GREEN FABRIC WHERE INDICATED IN RED.
2. UTILIZE SOUTHERN HALF OF MAIN ENTRANCE, ONLY, FOR LOADING AND UNLOADING. NORTHERN HALF OF ENTRANCE SHALL BE MAINTAINED FOR FULL USE BY OWNER THROUGHOUT DURATION OF PROJECT.
3. PROVIDE MINIMUM OF TWO MONITORS WHERE INDICATED IN YELLOW TO DIRECT PEDESTRIAN TRAFFIC AWAY FROM LOADING AREA DURING LOADING AND UNLOADING OPERATIONS.



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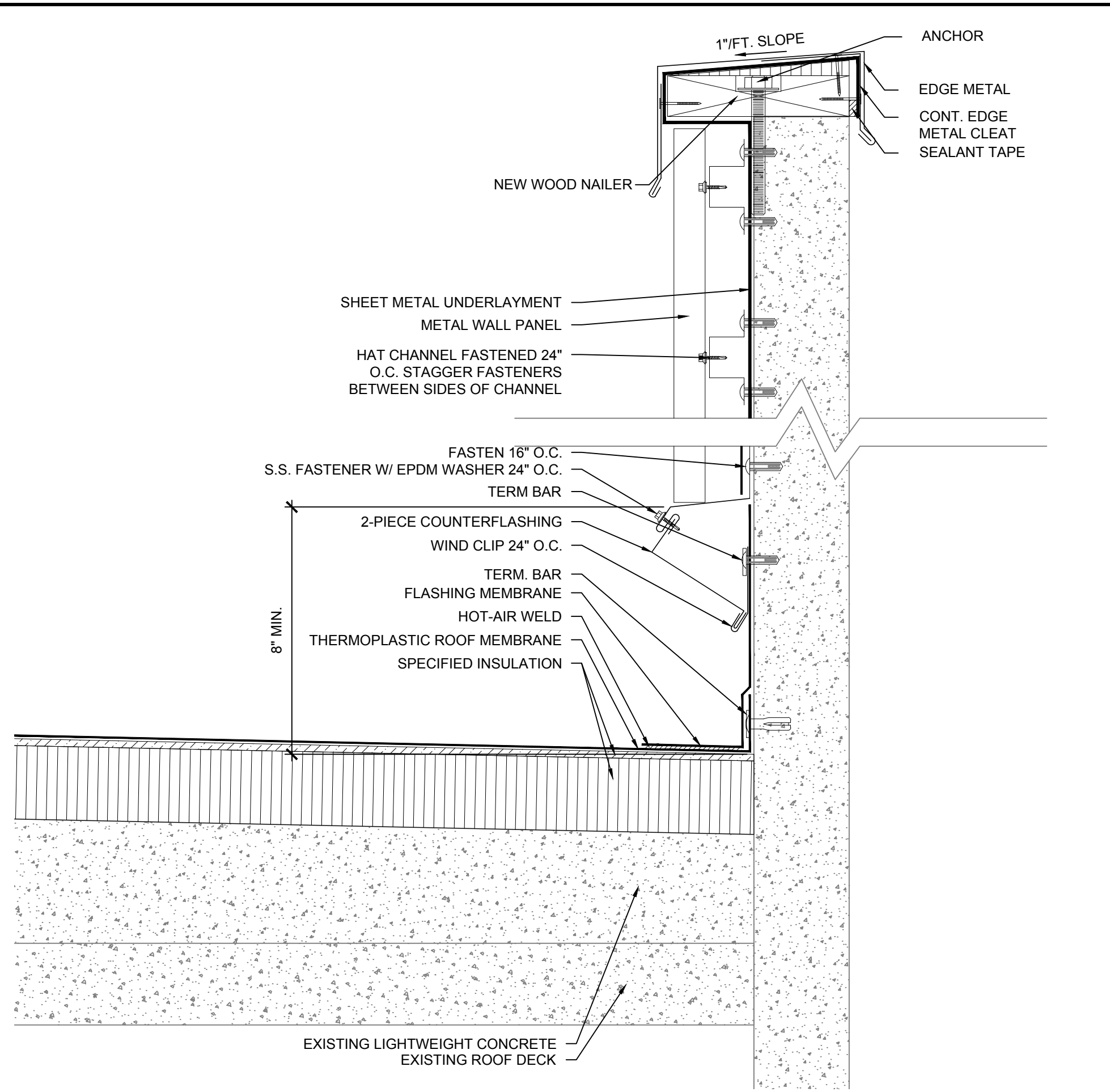
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DRAWING:

R-103

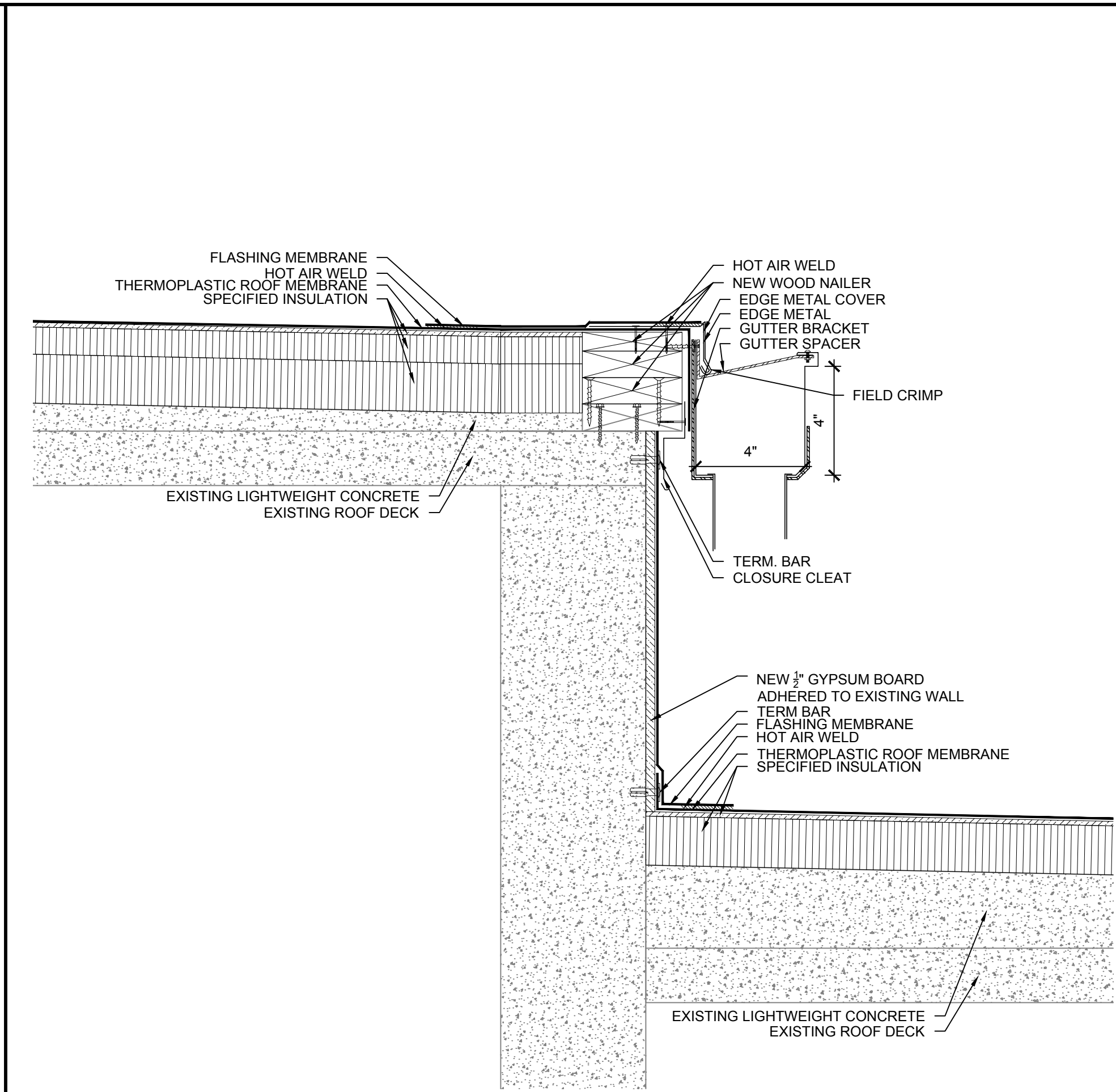
SHEET 4 OF 7

LOADING PLAN



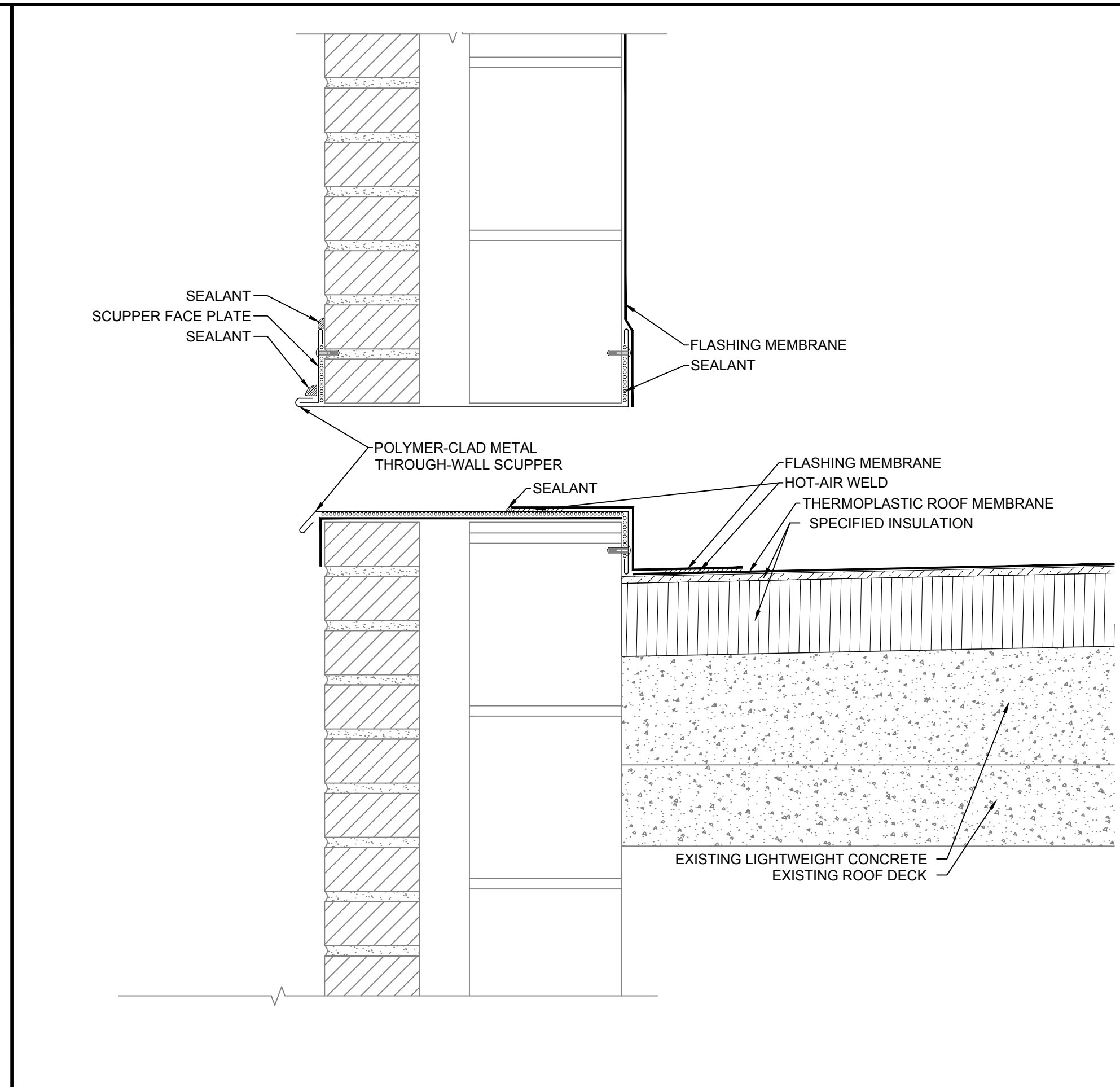
NOTES:
1. CANT STRIP NOT SHOWN FOR CLARITY.

1 PARAPET WALL
SCALE: 3"=1'-0"



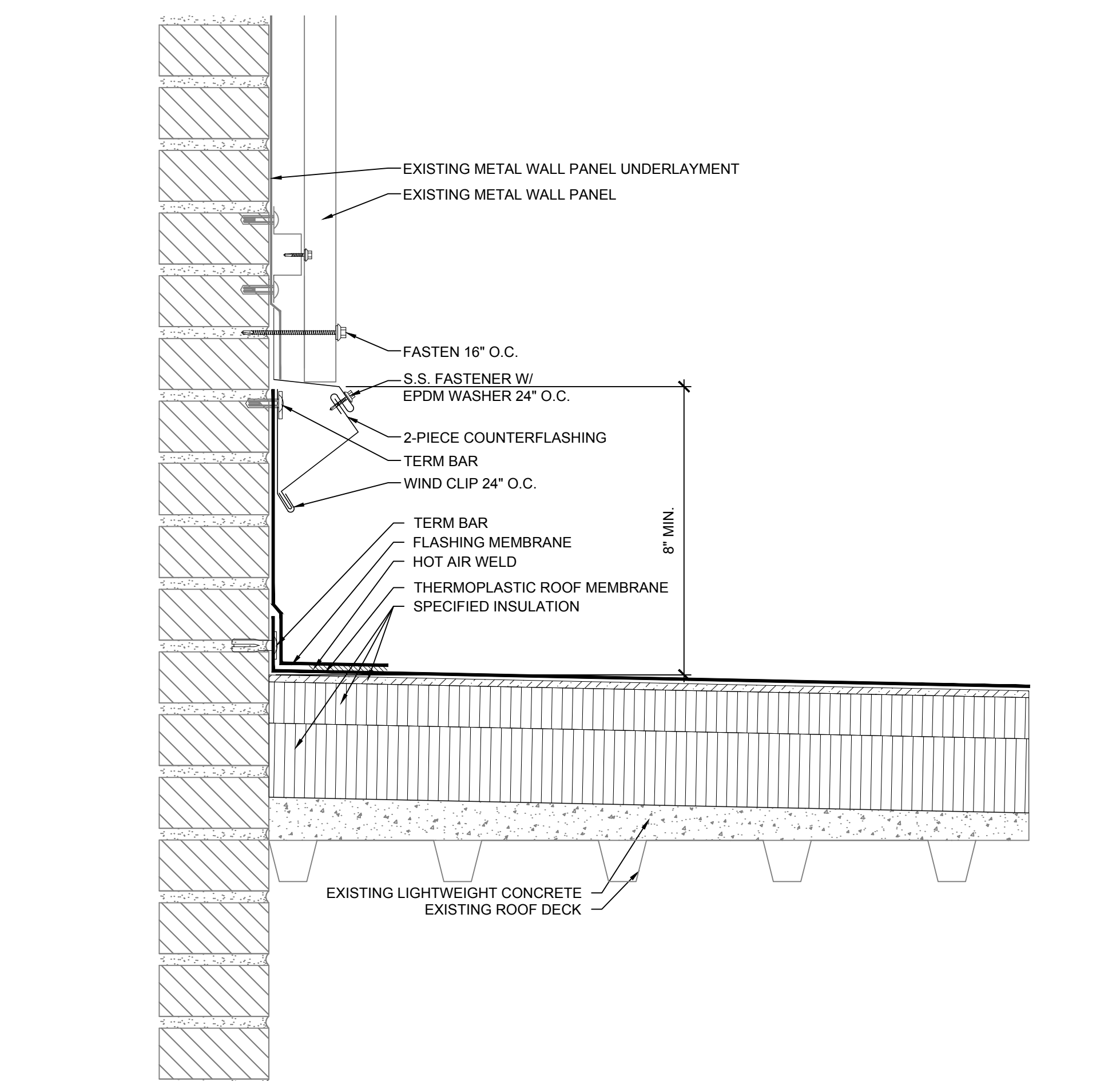
NOTES:
1. CANT STRIP NOT SHOWN FOR CLARITY.

2 ROOF EDGE
SCALE: 2"=1'-0"



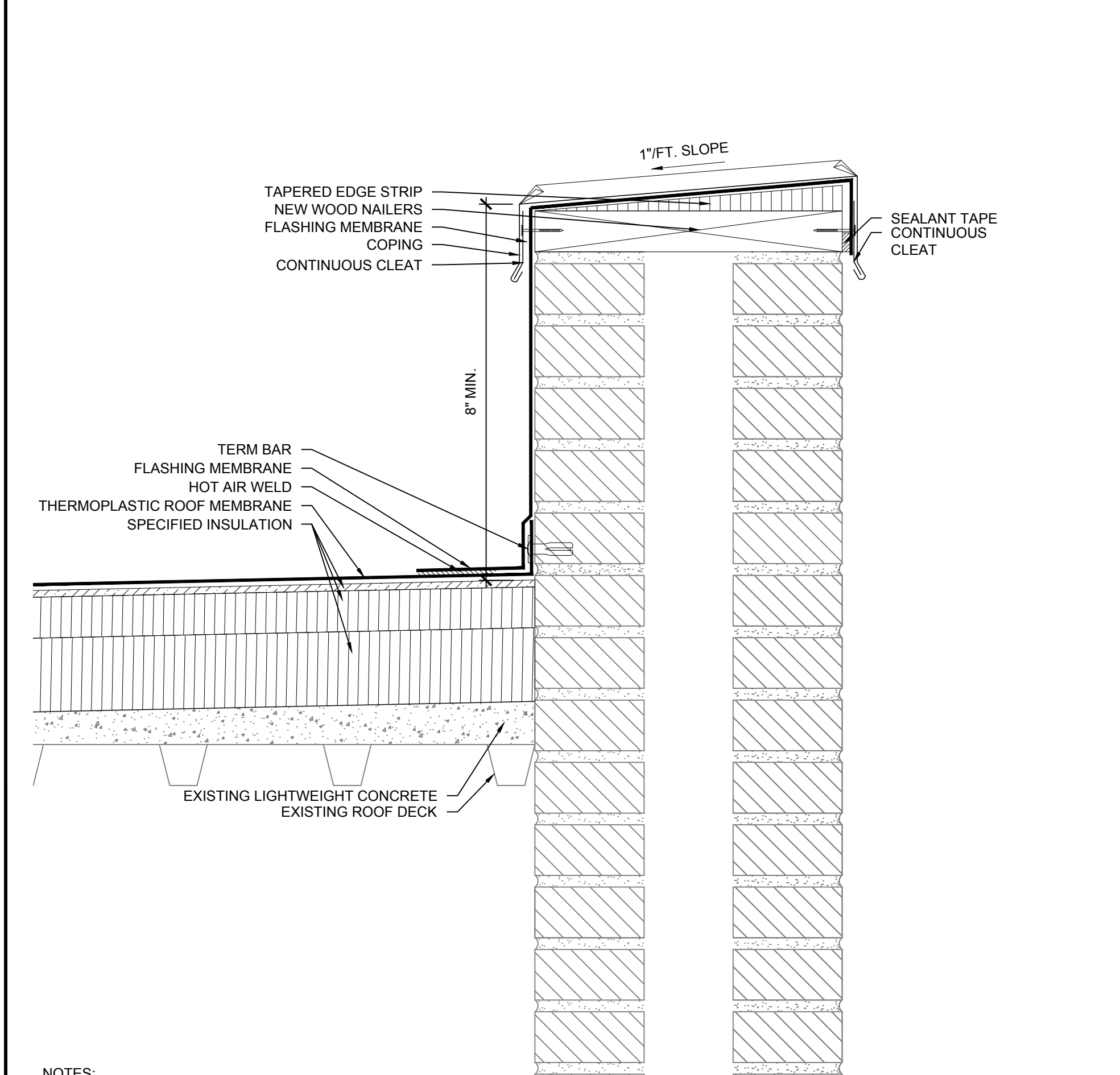
NOTES:
1. NEW METAL WALL PANELS REQUIRED AT SECTOR A NOT SHOWN FOR CLARITY. REFER TO DETAIL 4.
2. CANT STRIP NOT SHOWN FOR CLARITY.

3 THROUGH WALL OVERFLOW SCUPPER
SCALE: 3"=1'-0"



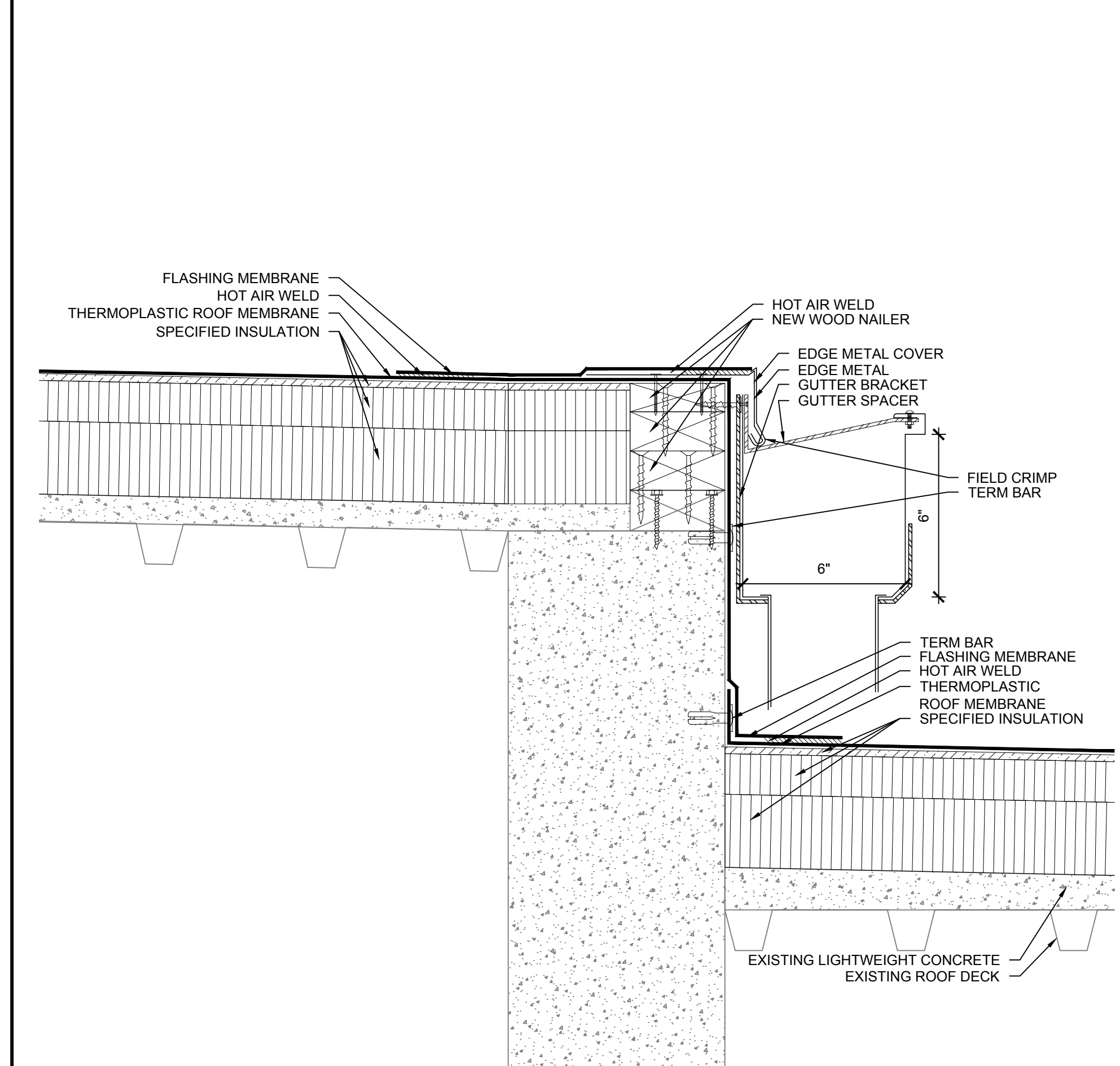
NOTES:
1. CANT STRIP NOT SHOWN FOR CLARITY.

4 ROOF TO WALL
SCALE: 3"=1'-0"



NOTES:
1. PROVIDE NEW WOOD NAILERS AS REQUIRED TO ACHIEVE 8\"/>

5 PARAPET WALL
SCALE: 3"=1'-0"



NOTES:
1. CANT STRIP NOT SHOWN FOR CLARITY.

6 ROOF EDGE
SCALE: 3"=1'-0"

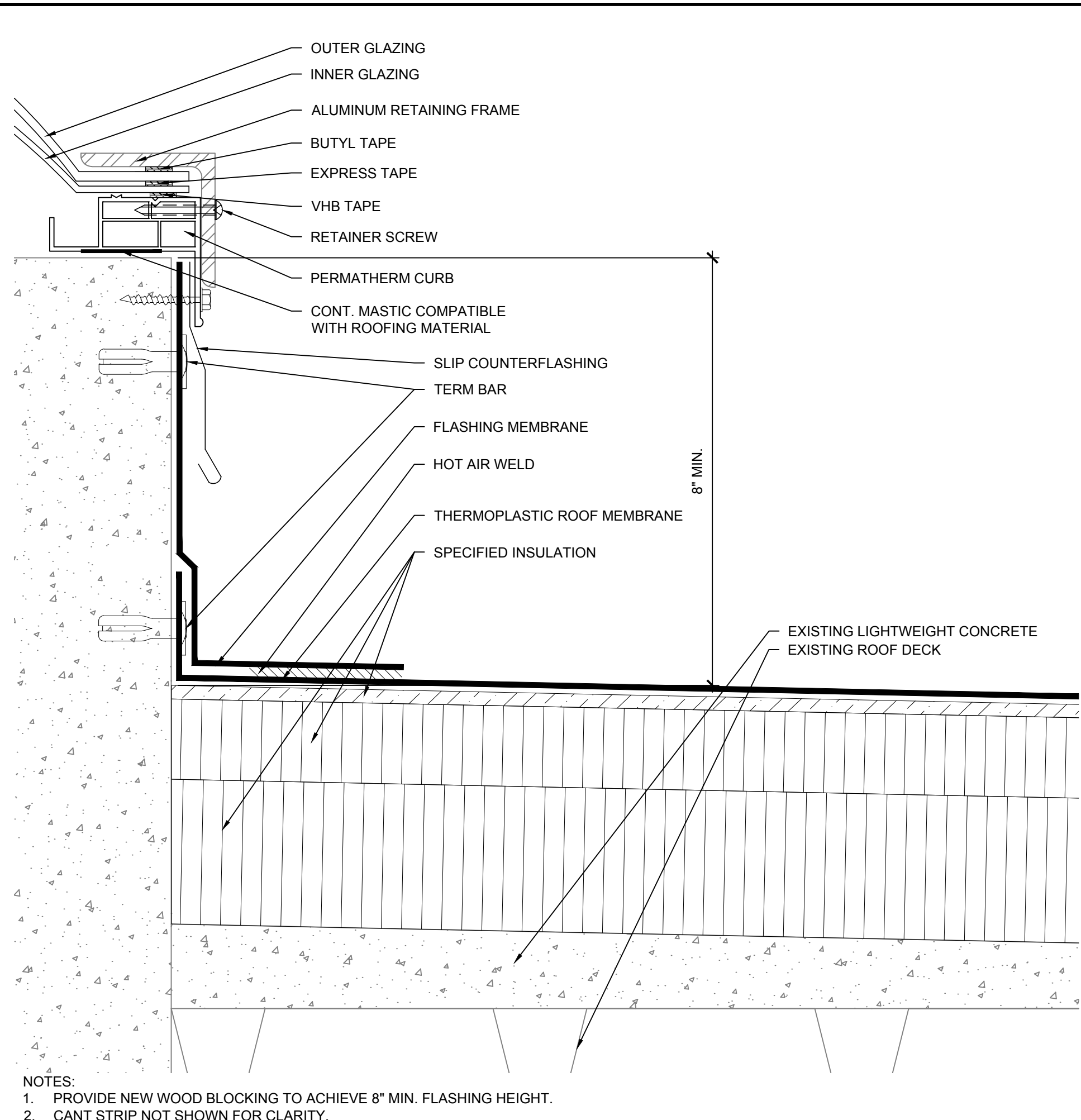
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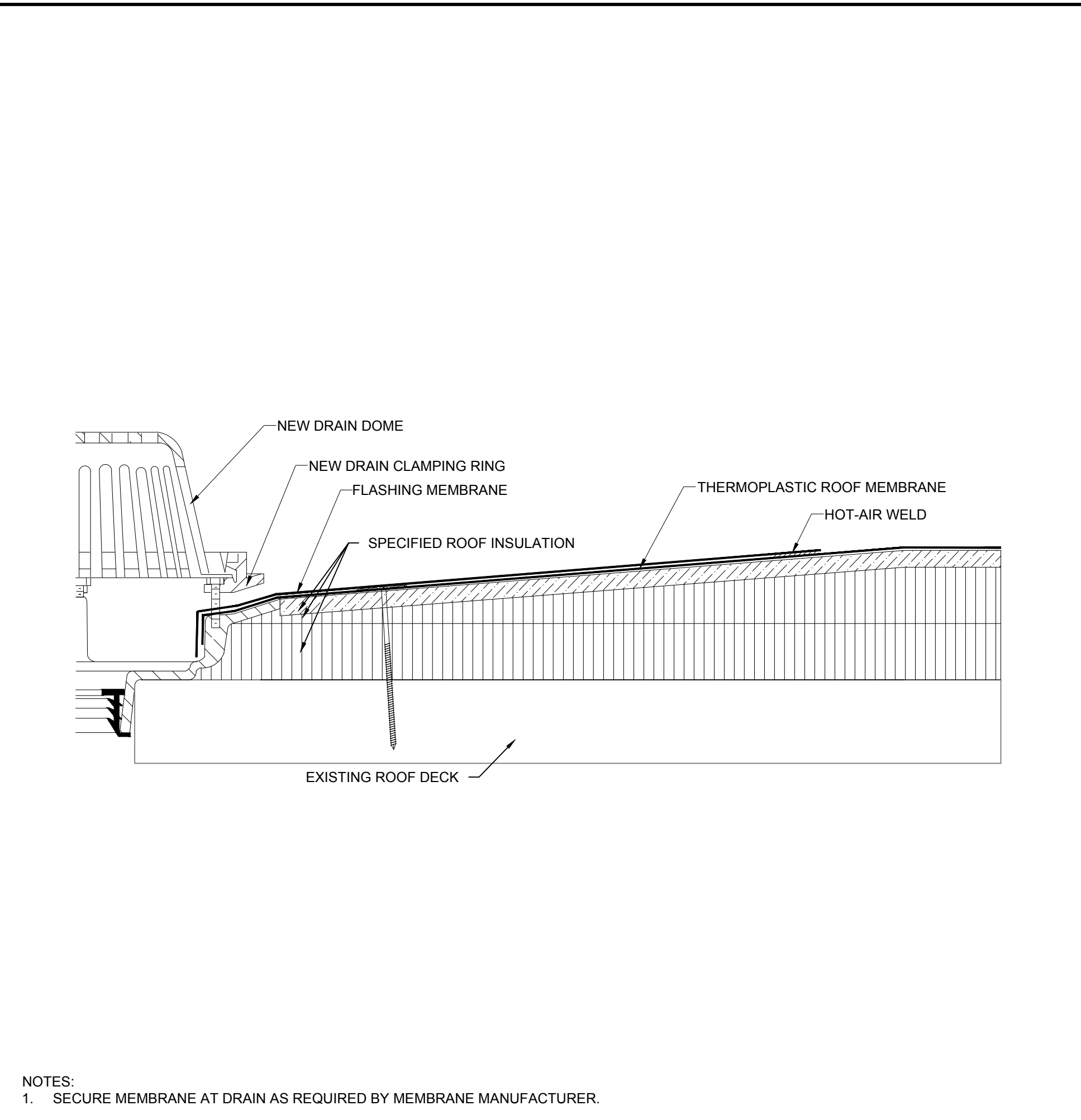
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DATE: 03/04/2015
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R-201
SHEET 5 OF 7
ROOF DETAILS



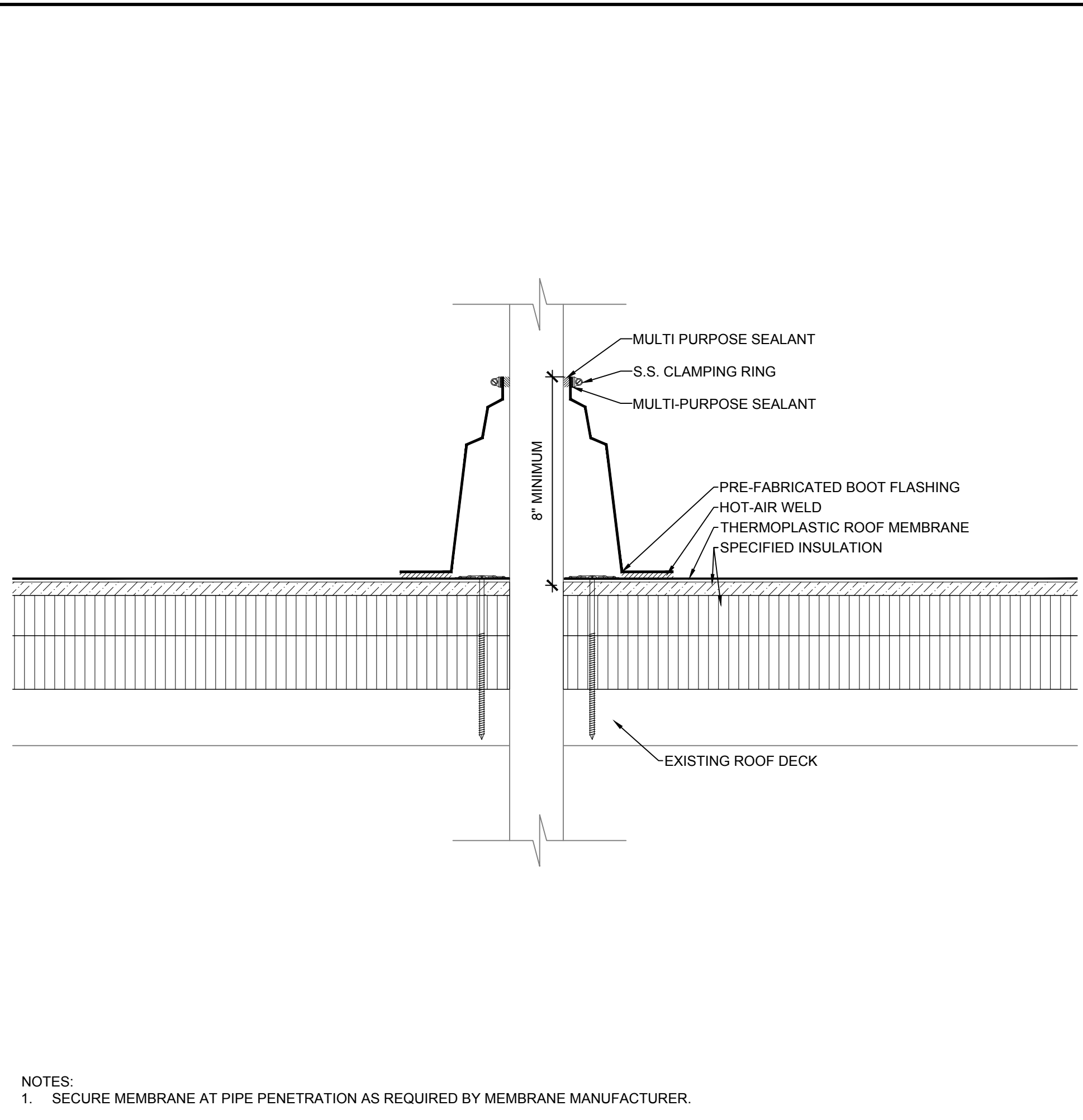
NOTES:
 1. PROVIDE NEW WOOD BLOCKING TO ACHIEVE 8\"/>

7 SKYLIGHT
 SCALE: 3\"/>



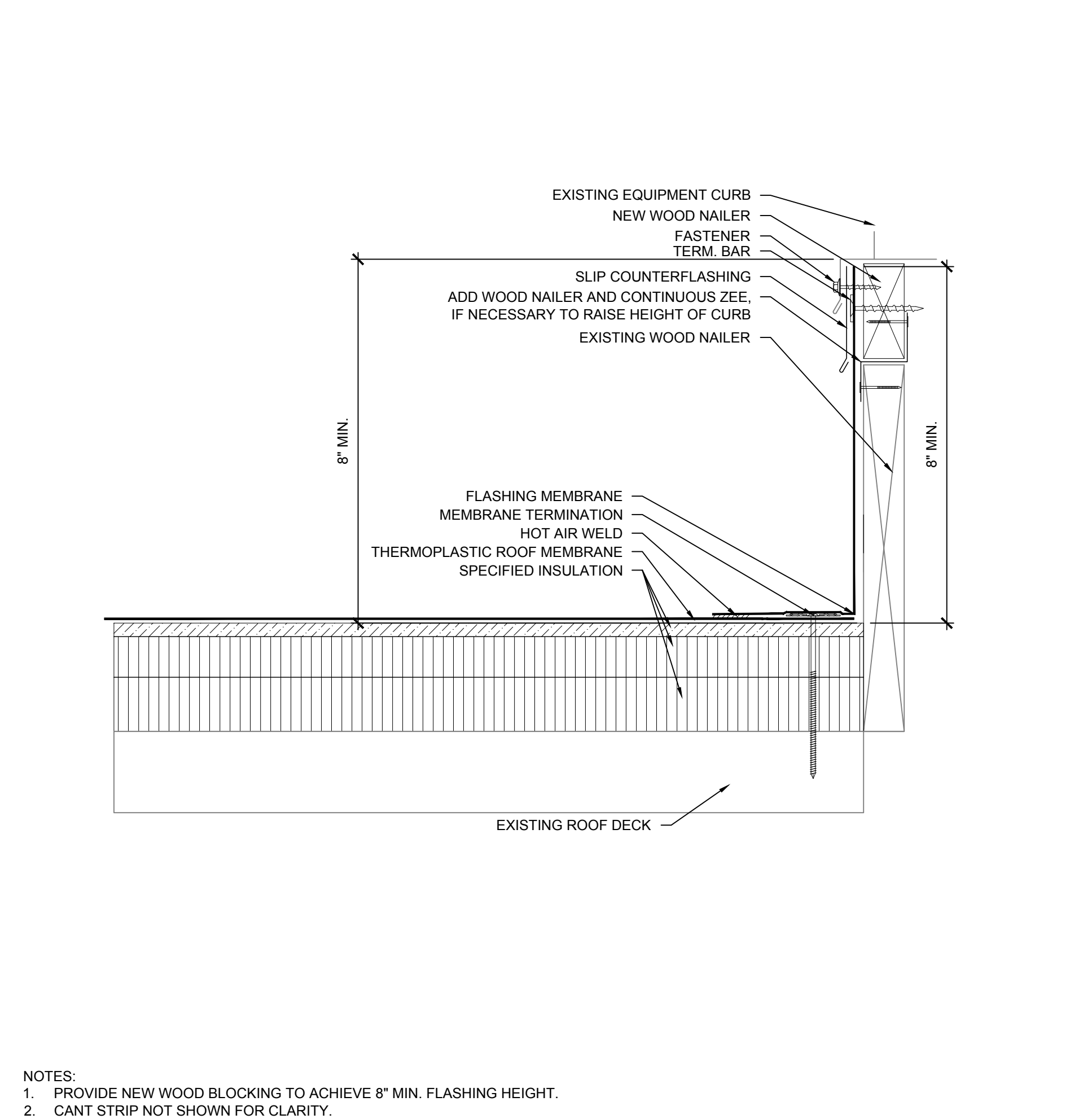
NOTES:
 1. SECURE MEMBRANE AT DRAIN AS REQUIRED BY MEMBRANE MANUFACTURER.

8 ROOF DRAIN
 SCALE: 3\"/>



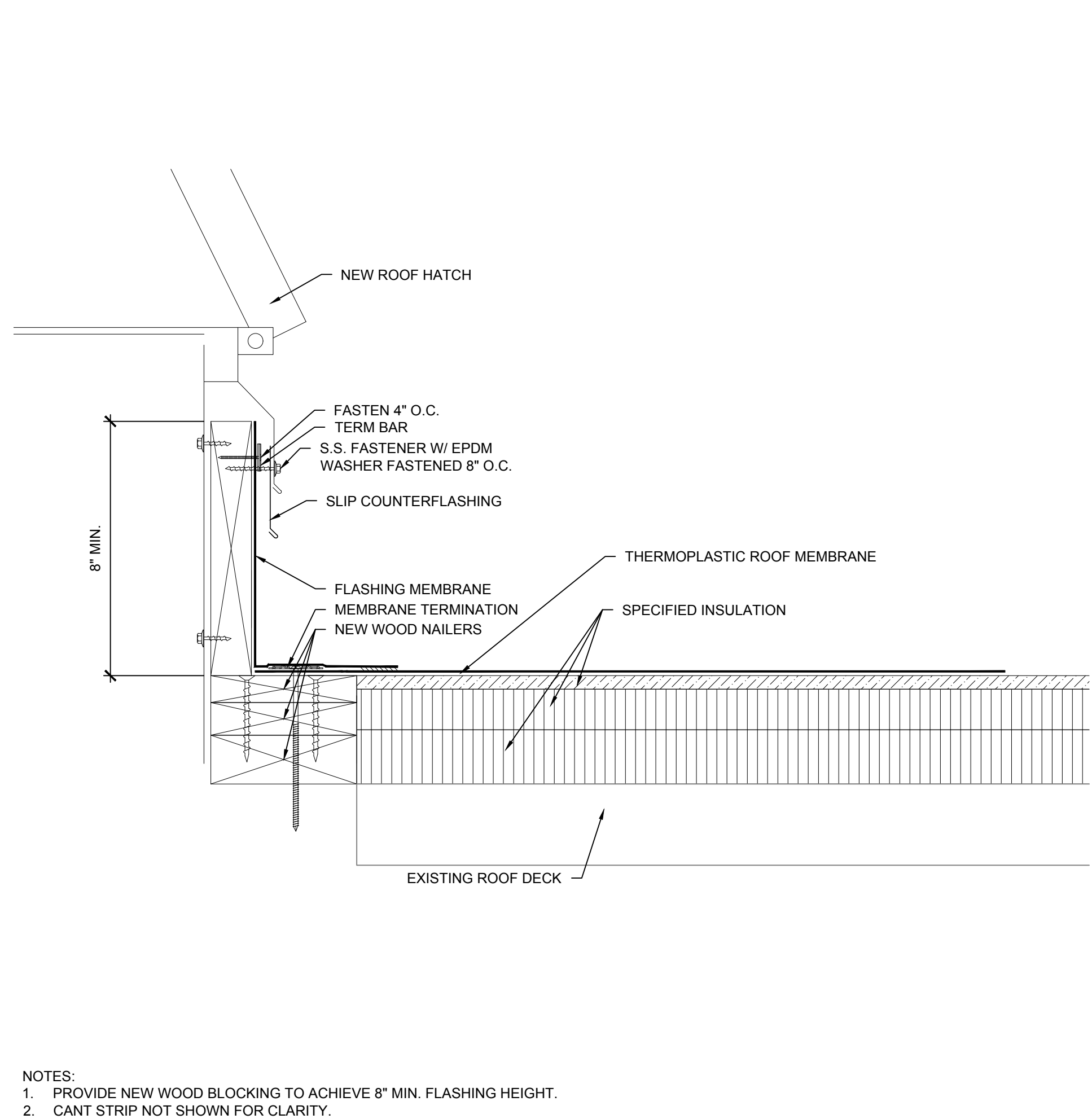
NOTES:
 1. SECURE MEMBRANE AT PIPE PENETRATION AS REQUIRED BY MEMBRANE MANUFACTURER.

9 PIPE PENETRATION
 SCALE: 3\"/>



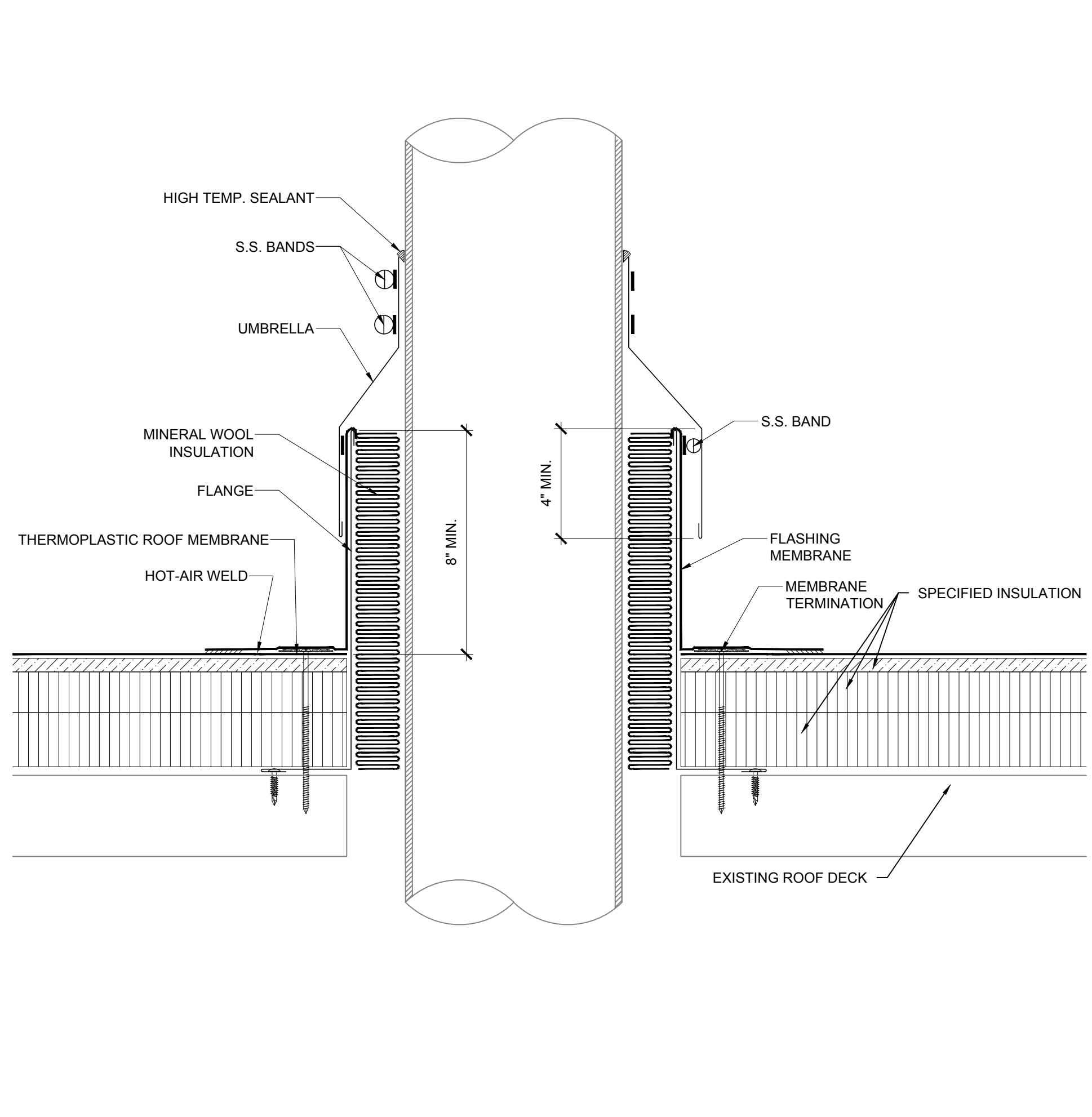
NOTES:
 1. PROVIDE NEW WOOD BLOCKING TO ACHIEVE 8\"/>

10 EQUIPMENT CURB
 SCALE: 3\"/>



NOTES:
 1. PROVIDE NEW WOOD BLOCKING TO ACHIEVE 8\"/>

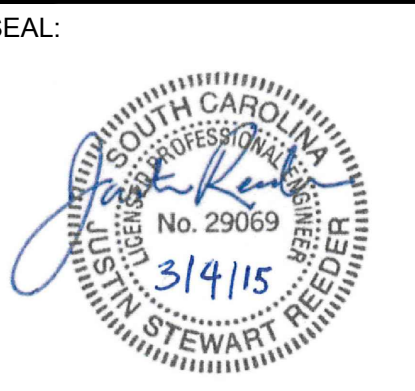
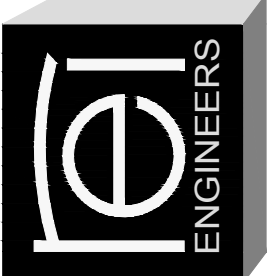
11 ROOF HATCH
 SCALE: 3\"/>



NOTES:
 1. PROVIDE NEW WOOD BLOCKING TO ACHIEVE 8\"/>

12 HOT STACK
 SCALE: 3\"/>

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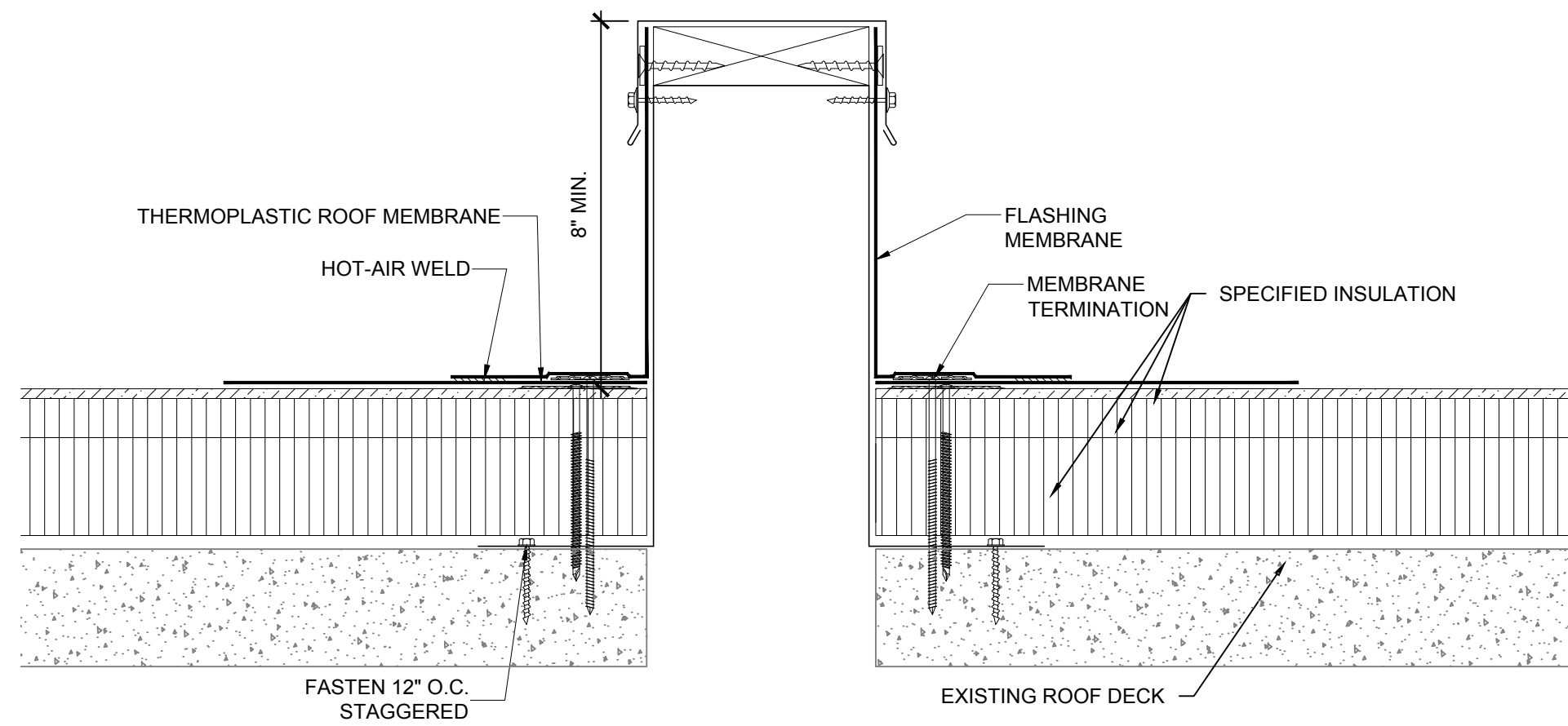


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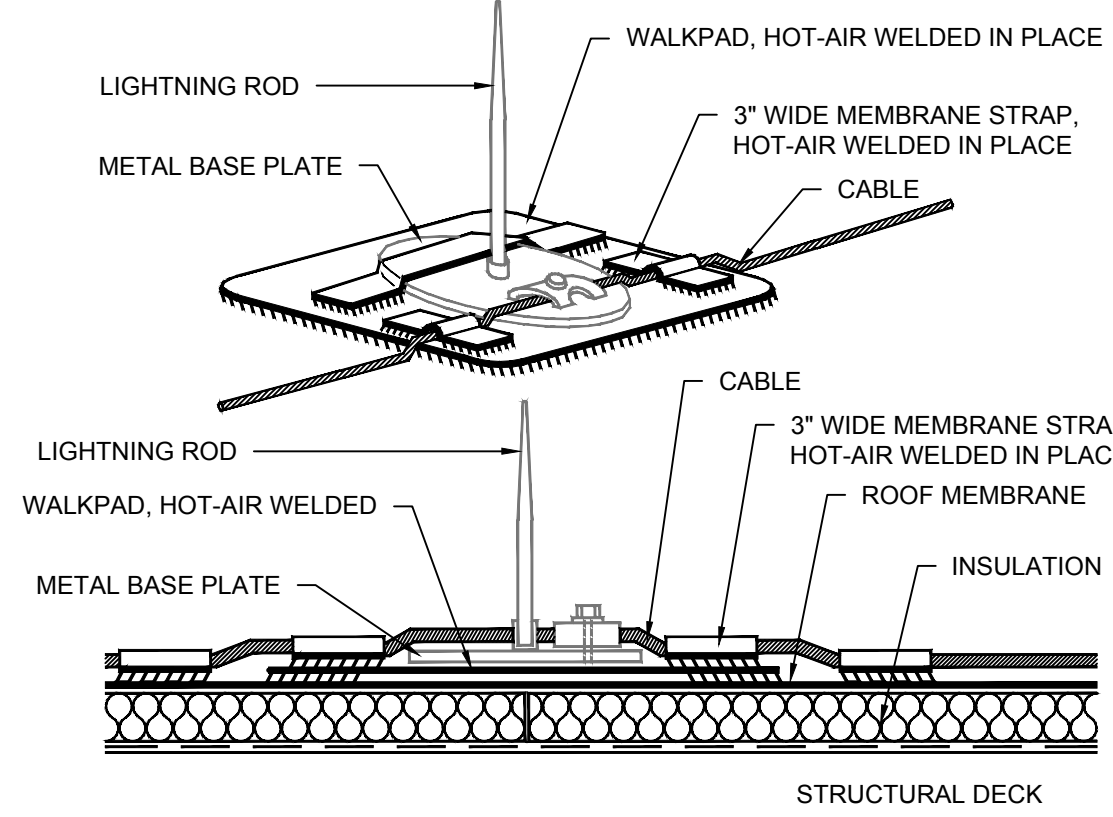
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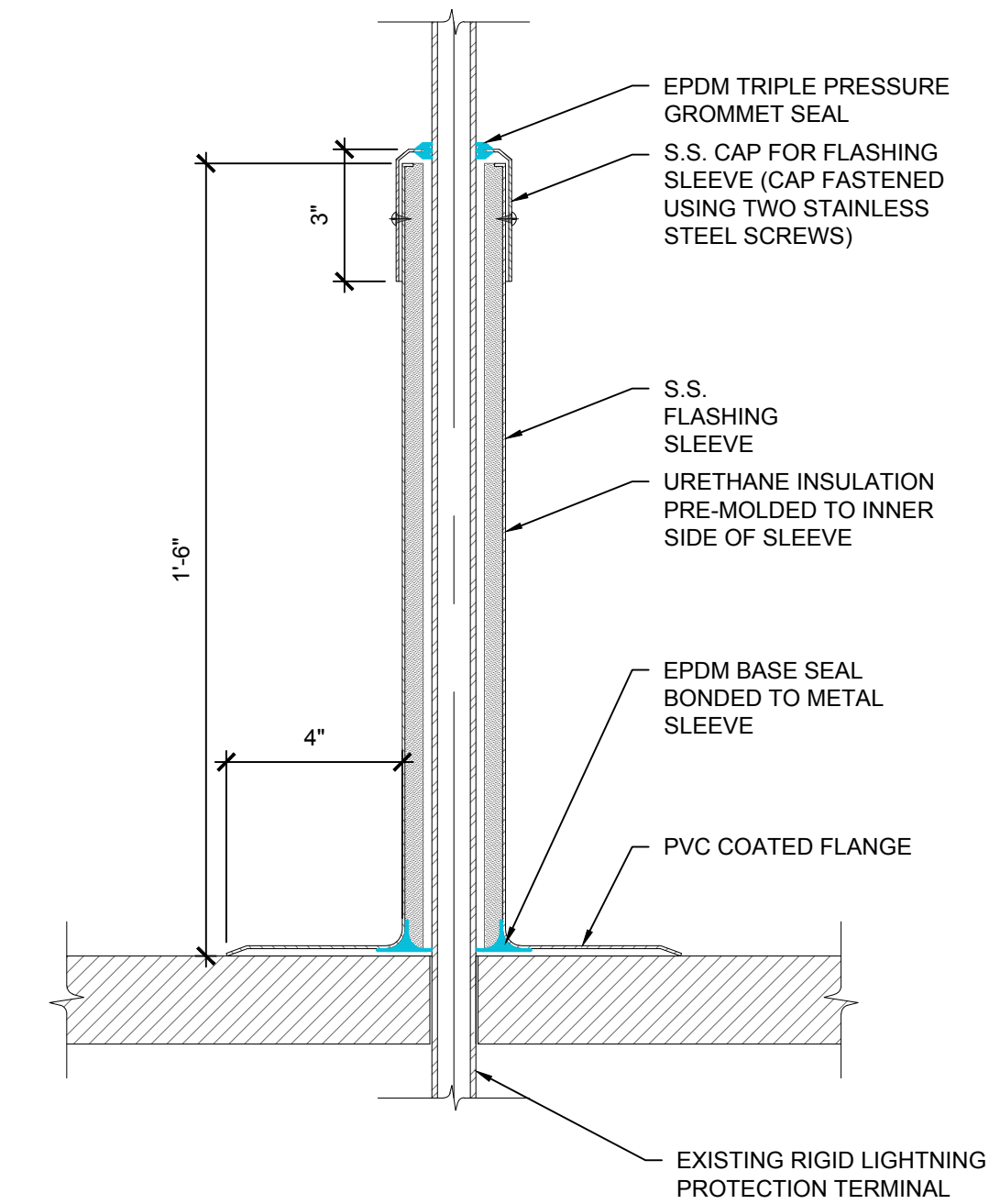
DRAWING:
R-202
 SHEET 6 OF 7
 ROOF DETAILS



NOTES:
1. CANT STRIP NOT SHOWN FOR CLARITY.



NOTES:
1. EXISTING CABLE SHALL BE CLEANED FREE OF ASPHALT CONTAMINATION PRIOR TO REINSTALLATION.
2. PROVIDE CONT. LAYER OF ASPHALT RESISTANT MEMBRANE FLASHING UNDER LOCATION OF CABLE. HOT-AIR WELD IN-PLACE.
3. REFER TO SECTION 07 72 00 FOR SUPPORT REQUIREMENTS AND FASTENERS FOR ATTACHMENT TO SHEET METAL COMPONENTS.

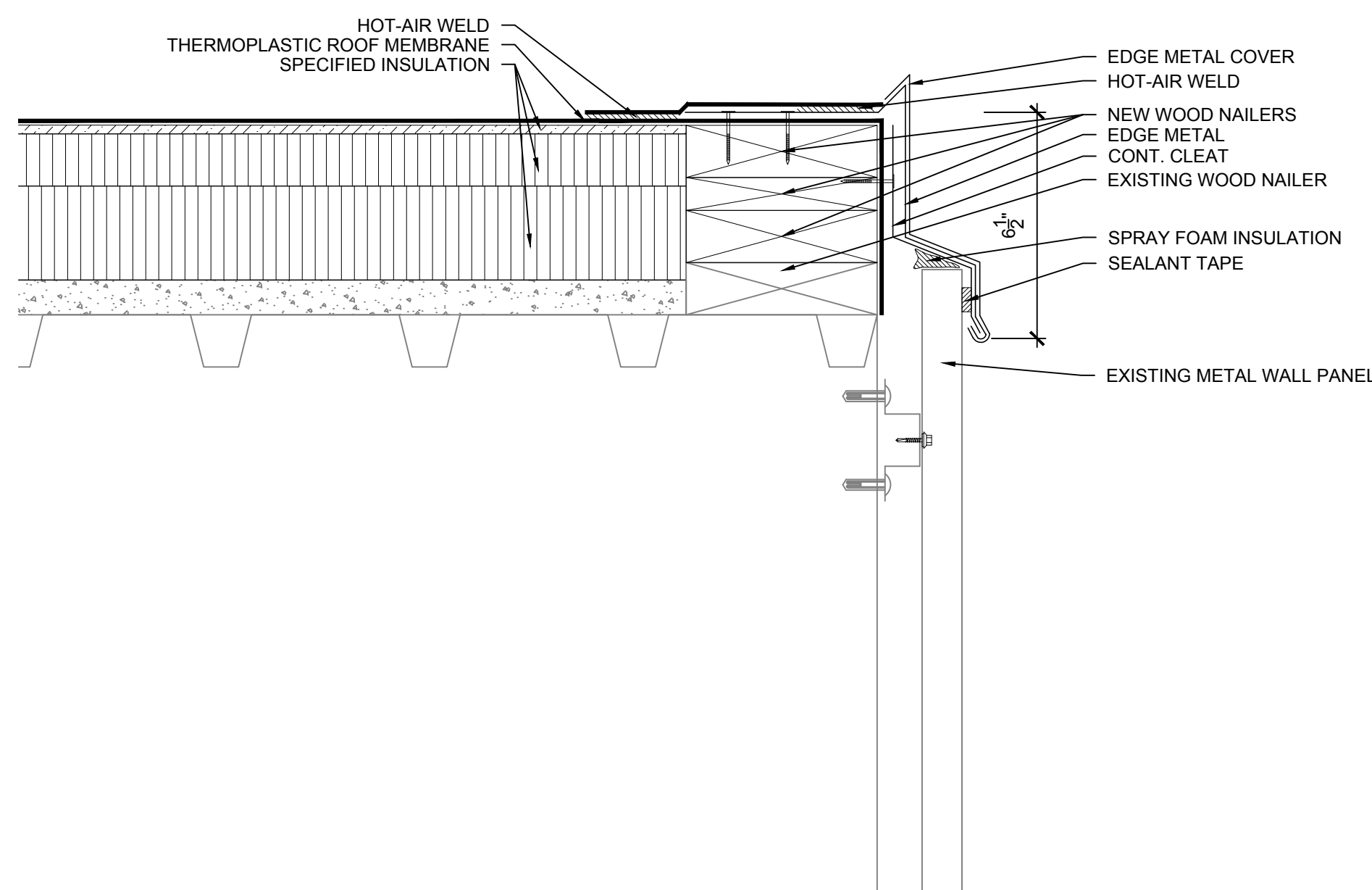


NOTES:
1. ROOF MEMBRANE AND FLASHING NOT SHOWN FOR CLARITY.

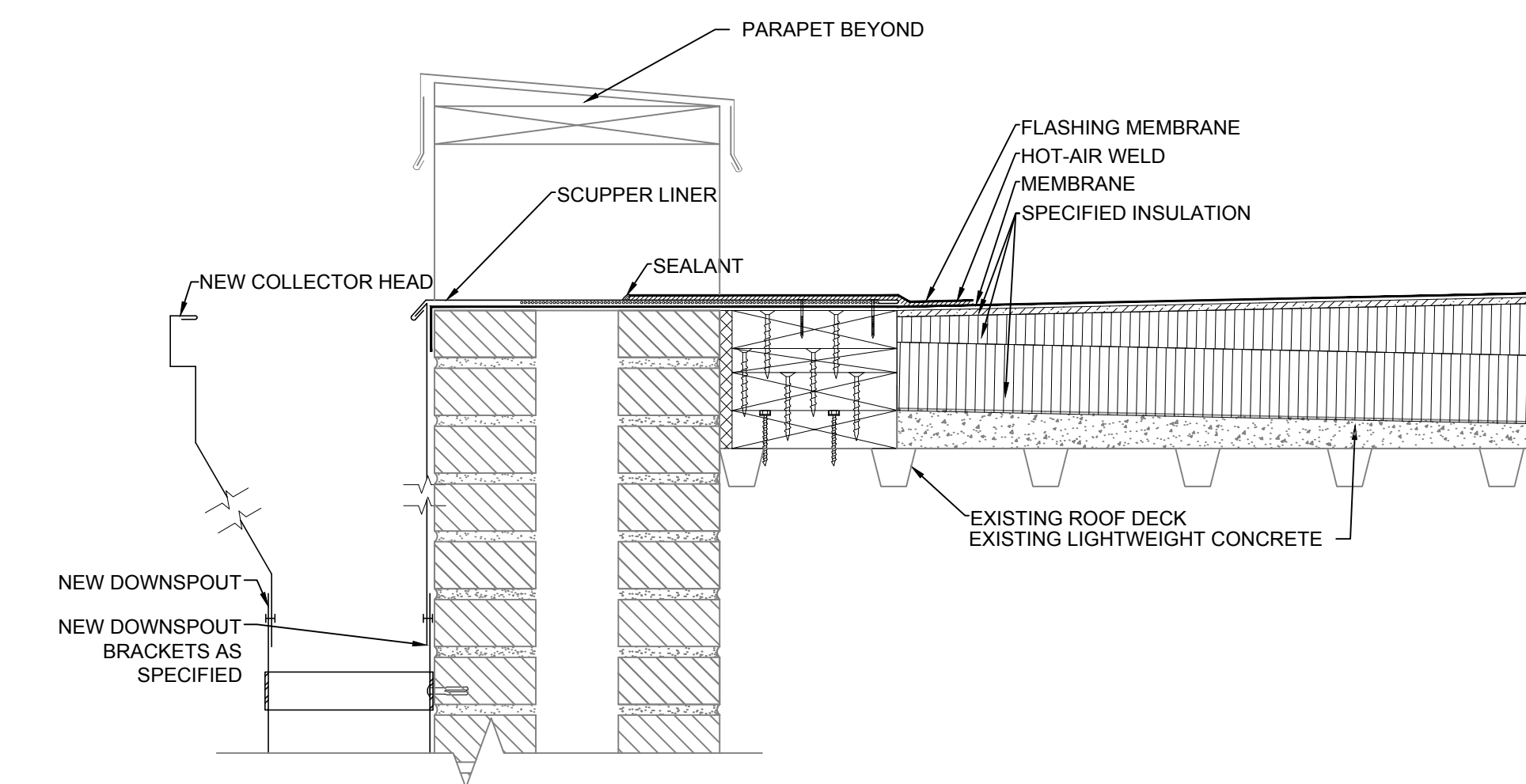
13 SUPPORT CURB
SCALE: 3"=1'-0"

14 LIGHTNING PROTECTION
SCALE: N.T.S.

15 RIGID CONDUIT FLASHING
SCALE: N.T.S.



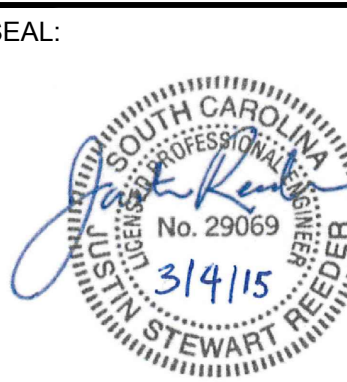
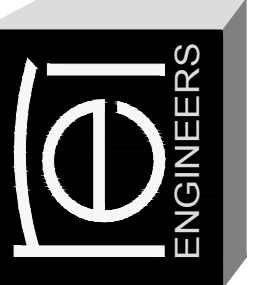
NOTES:
1. CUT, MODIFY EXISTING CLEAT/CLOSURE AS REQUIRED FOR INSTALLATION OF NEW EDGE METAL.
2. SECURE CLEAT THROUGH OUTSIDE FACE OF EXISTING METAL ROOF PANEL.



17 PRIMARY SCUPPER W/ COLLECTOR BOX
SCALE: 2"=1'-0"

16 ROOF EDGE
SCALE: 3"=1'-0"

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DRAWN BY: CGB
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DATE: 03/04/2015

DRAWING:
R-203
SHEET 7 OF 7
ROOF DETAILS