

513 PICKENS STREET AND ANNEX ROOF REPLACEMENT PROJECT UNIVERSITY OF SOUTH CAROLINA OWNER'S PROJECT NUMBER: H27-6100

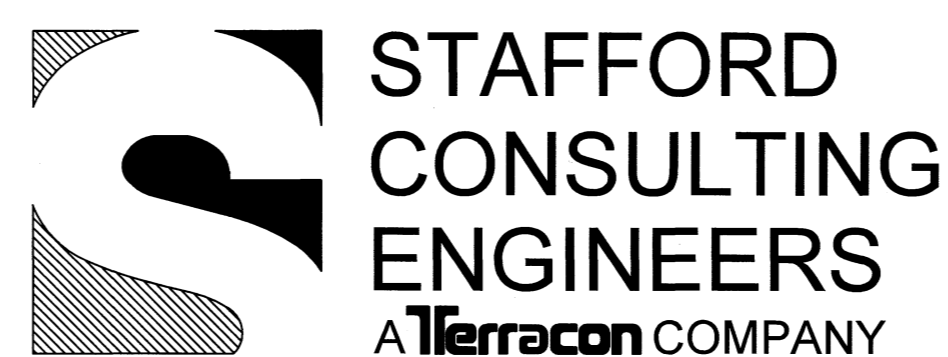


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COLUMBIA, SOUTH CAROLINA

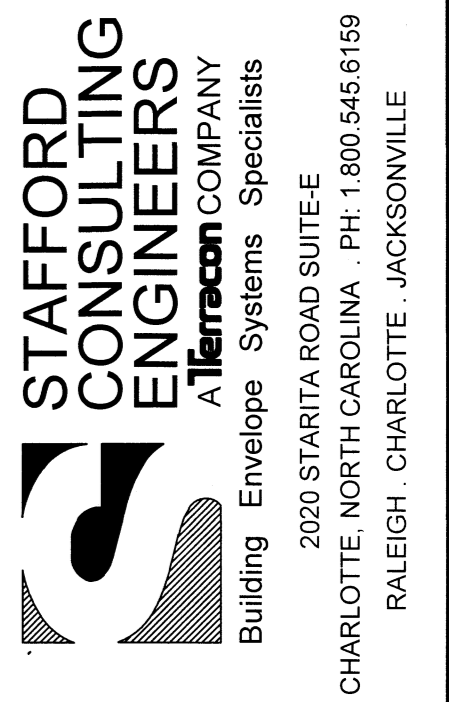
INDEX OF DRAWINGS

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Building Enclosure Systems Specialists

RALEIGH . CHARLOTTE . JACKSONVILLE



PROJECT NAME AND ADDRESS:



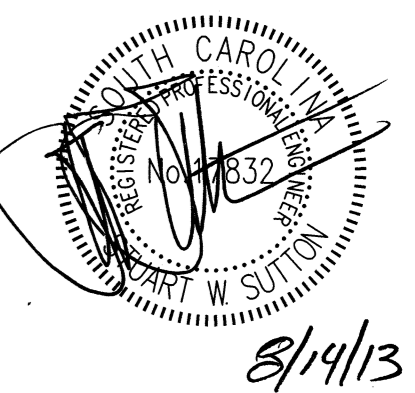
513 PICKENS STREET
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- RECORD DOCUMENTS

ISSUE DATE:

AUGUST 14, 2013

REVISIONS:

REV. NO.	DATE	DESCRIPTION

PROJECT TEAM:

DESIGNED BY:

AWM

DRAWN BY:

EGM

APPROVED BY:

LTH

PROJECT NUMBER:

FH136819

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-100

PROJECT NAME AND ADDRESS:



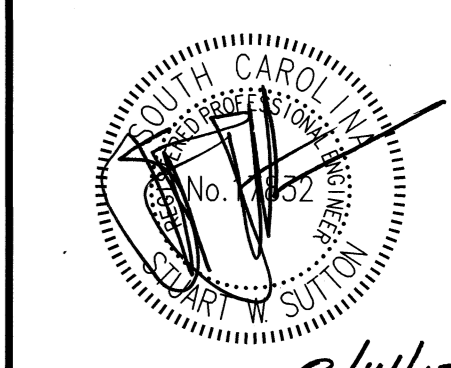
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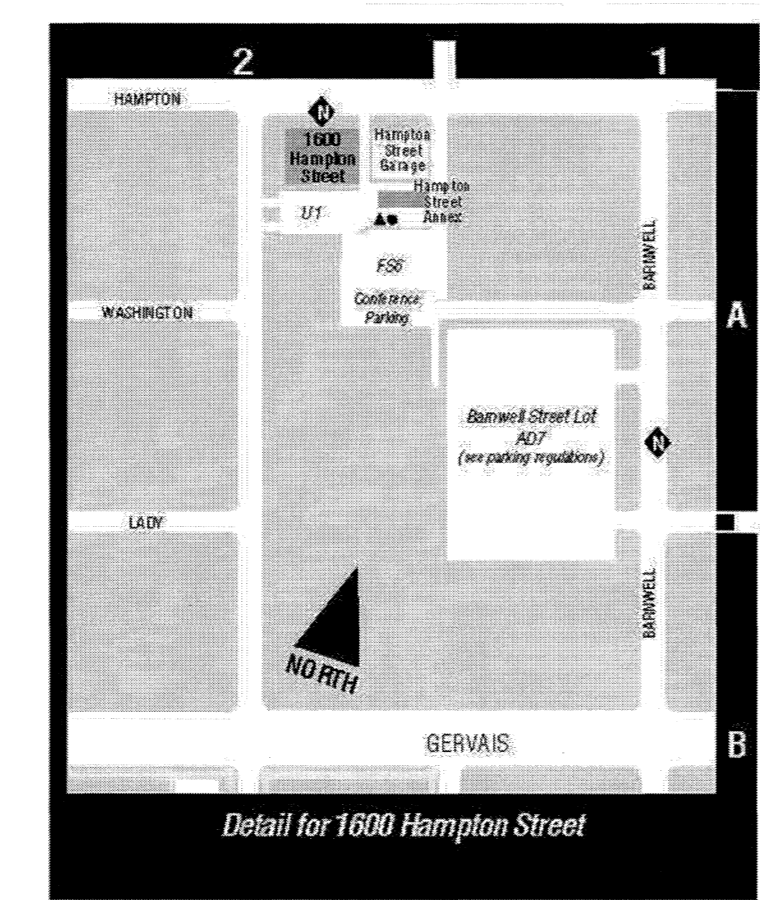
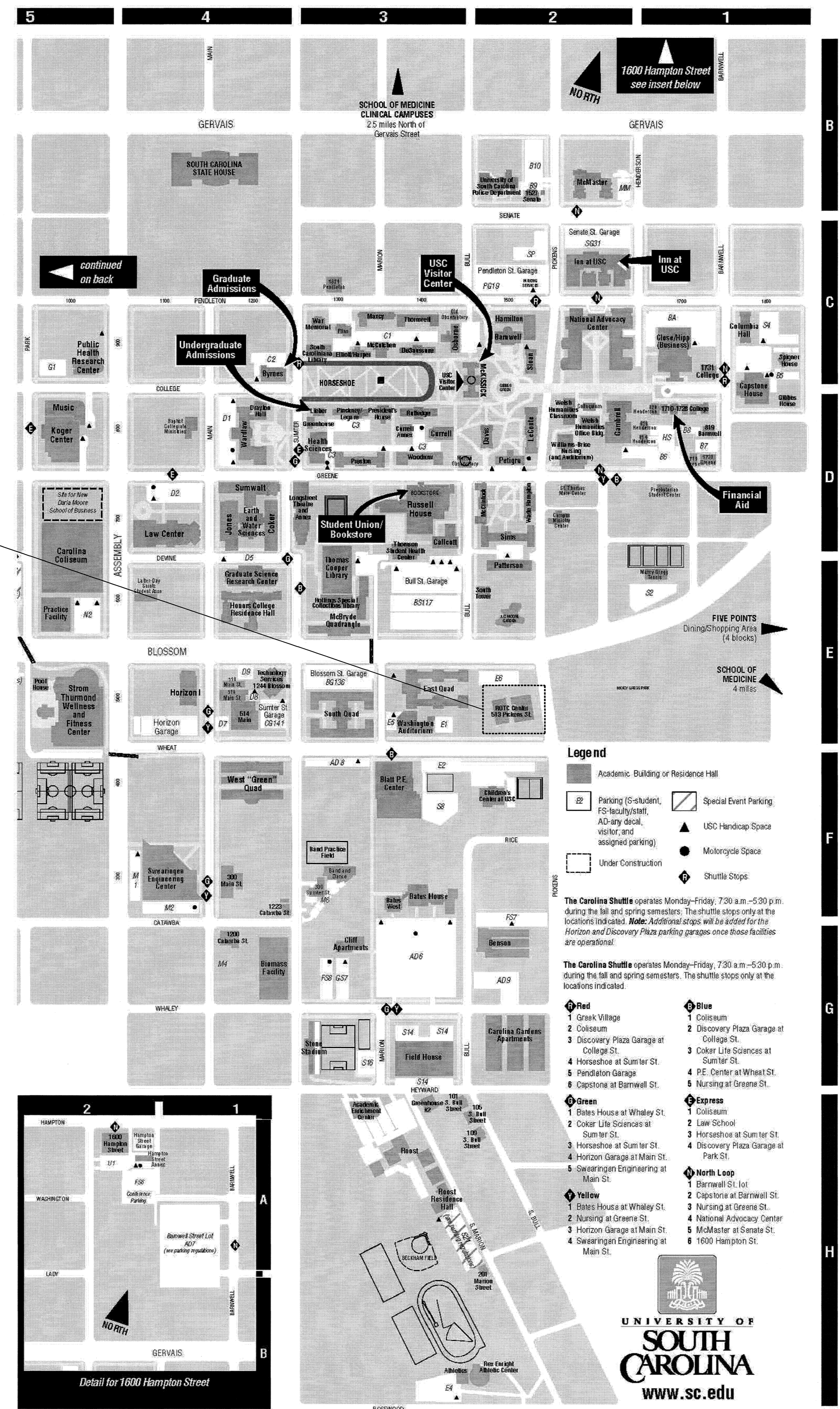
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CAMPUS MAP

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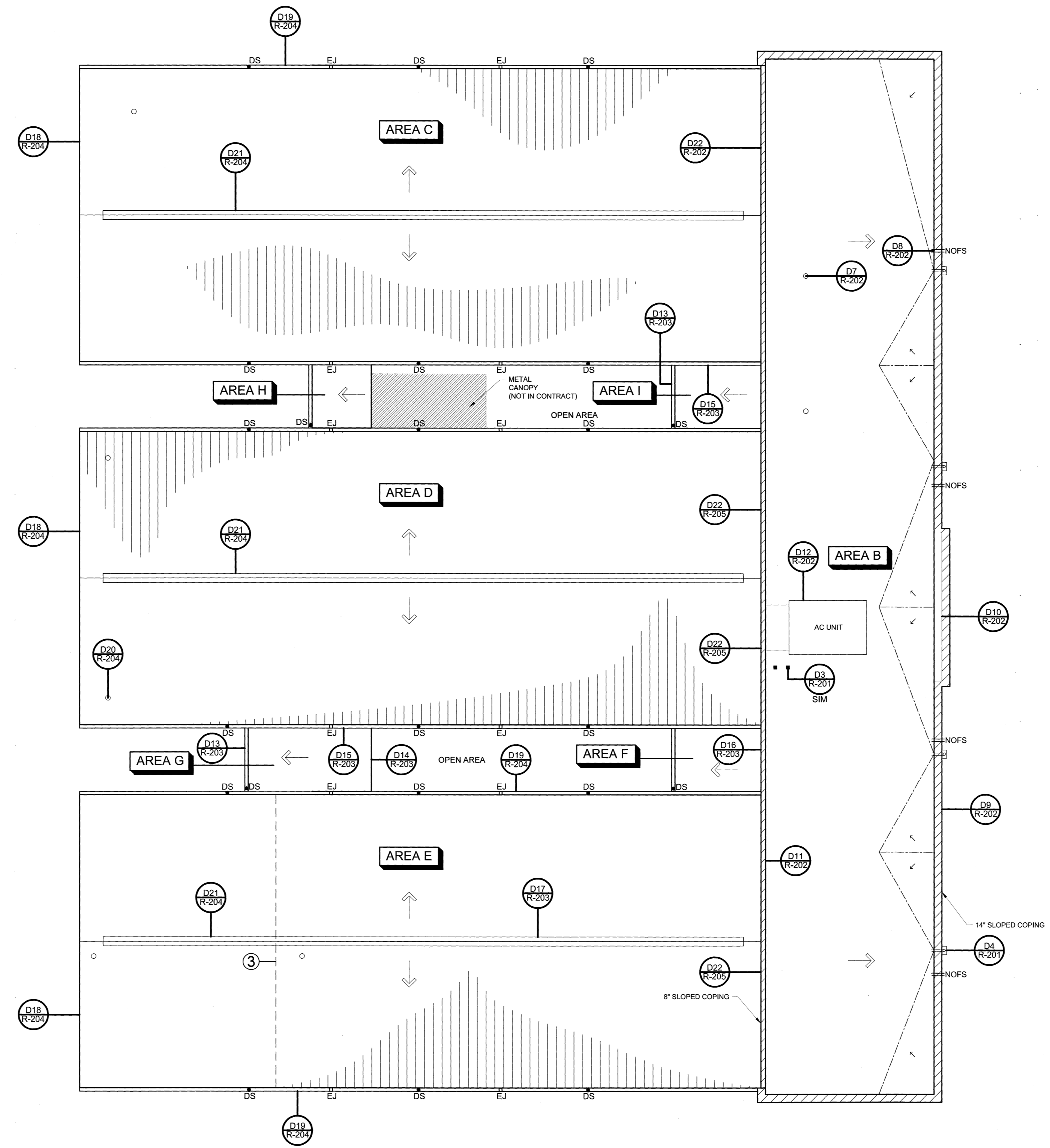
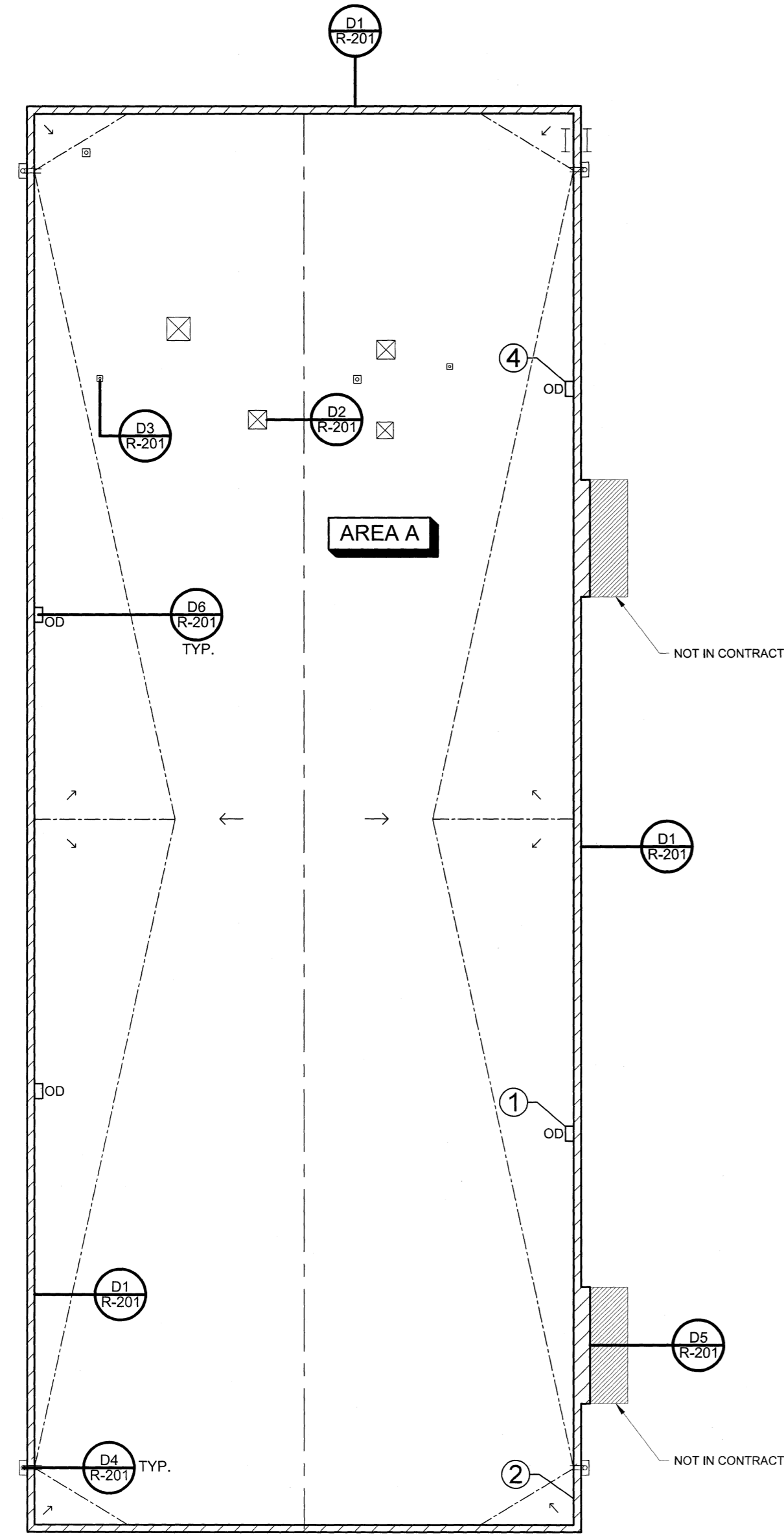
M-100

PROJECT SITE LOCATION HERE



CONSTRUCTION NOTES:

- PREVIOUS ROOF REPLACEMENT PROJECT HAS COVERED AN OVERFLOW DRAIN AT THIS LOCATION. UNCOVER, TEST FOR CLOGS, FLASH AND CONNECT TO EXISTING DRAIN LEADER IN WALL AS UNIT PRICE WORK AS COVERED IN SPECIFICATIONS.
- APPLY MANUFACTURER'S LIQUID FLASHING SYSTEM AT PENETRATION TO PARAPET WALLS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
- DO NOT INSTALL INSULATION EAST OF THE LINE WHERE INSULATION DOES NOT CURRENTLY EXIST.
- MODIFY AS NECESSARY TO CLEAR TAPERED INSULATION/CRICKETS.



LEGEND

- NOFS NEW OVERFLOW SCUPPER
- ROOF DRAIN WITH SCUPPER
- PARAPET
- MECHANICAL UNIT
- COVERED CURB
- FLASHED EQUIPMENT CURB
- PITCH PAN
- VENT PIPE/PENETRATION
- HOT STACK
- TAPERED INSULATION
- TAPERED INSULATION SLOPE
- DECK SLOPE
- DETAIL NO.
- OVERFLOW DRAIN
- GUTTER WITH DOWNSPOUT
- GUTTER WITH EXPANSION JOINT

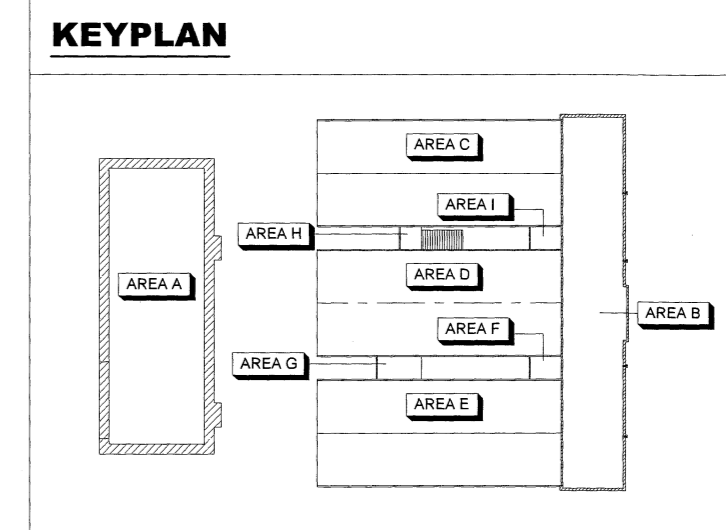
CODE SUMMARY

INTERNATIONAL BUILDING CODE (2006 EDITION) AND ASCE 7-05

BASIC WIND SPEED = 95 MPH
 IMPORTANCE FACTOR = 1.15
 EXPOSURE CATEGORY = B
 INTERNAL PRESSURE COEF. = +/- 0.18

THE NEW ROOF SYSTEM SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE FOLLOWING WIND UPLIFT PRESSURES:

- INTERIOR ZONE = -25 PSF
- EDGE ZONE = -44 PSF
- CORNER ZONE = -53 PSF



STAFFORD CONSULTING ENGINEERS
 A **tercon** COMPANY
 Building Envelope Systems Specialists
 2020 STARITA ROAD SUITE E
 CHARLOTTE, NORTH CAROLINA · PH: 1.800.545.6159
 RALEIGH · CHARLOTTE · JACKSONVILLE

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DRAWN BY: **EGM**

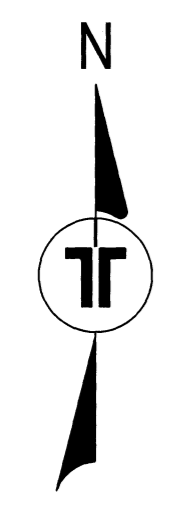
APPROVED BY: **LTH**

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SHEET TITLE:
ROOF PLAN

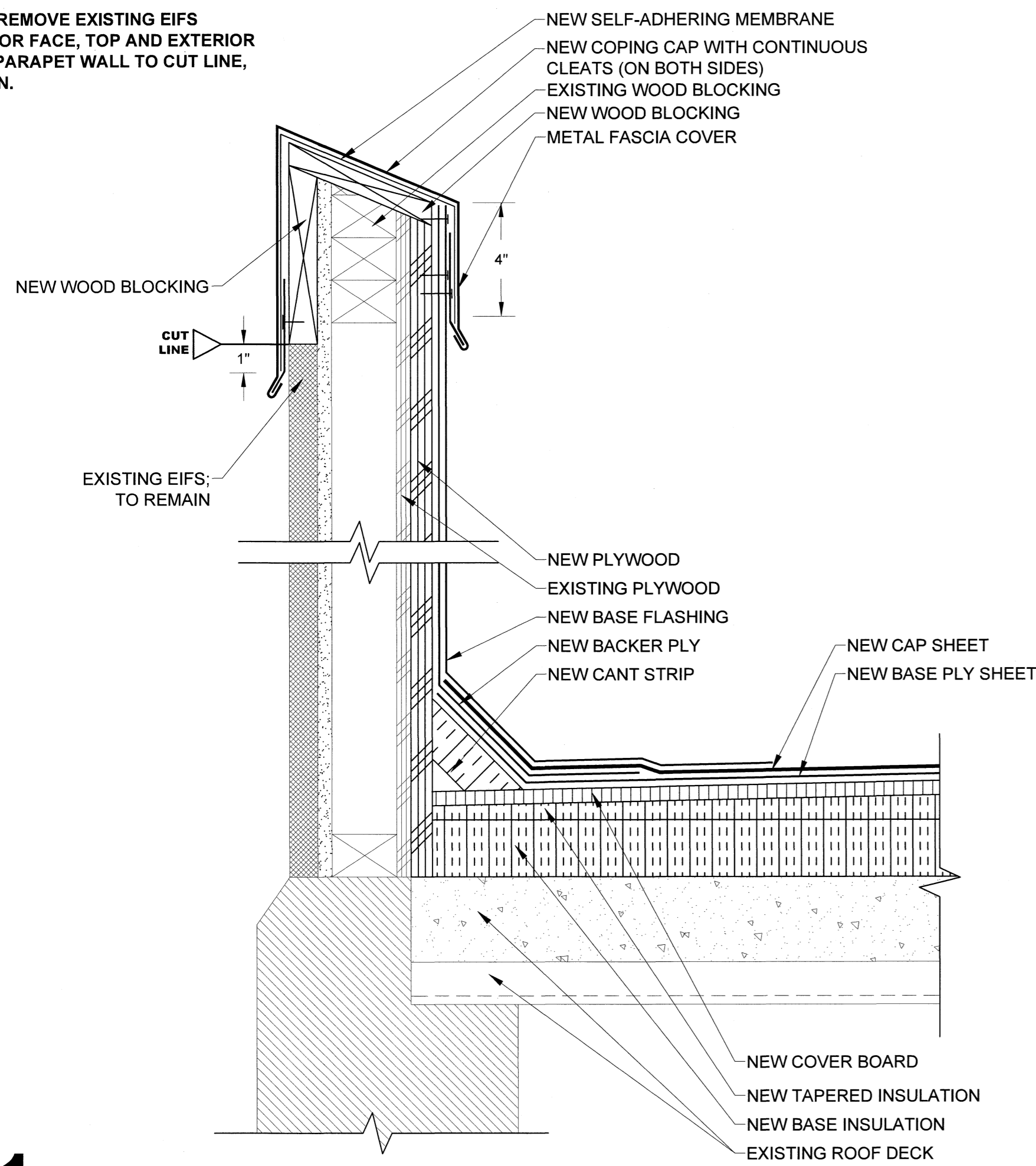
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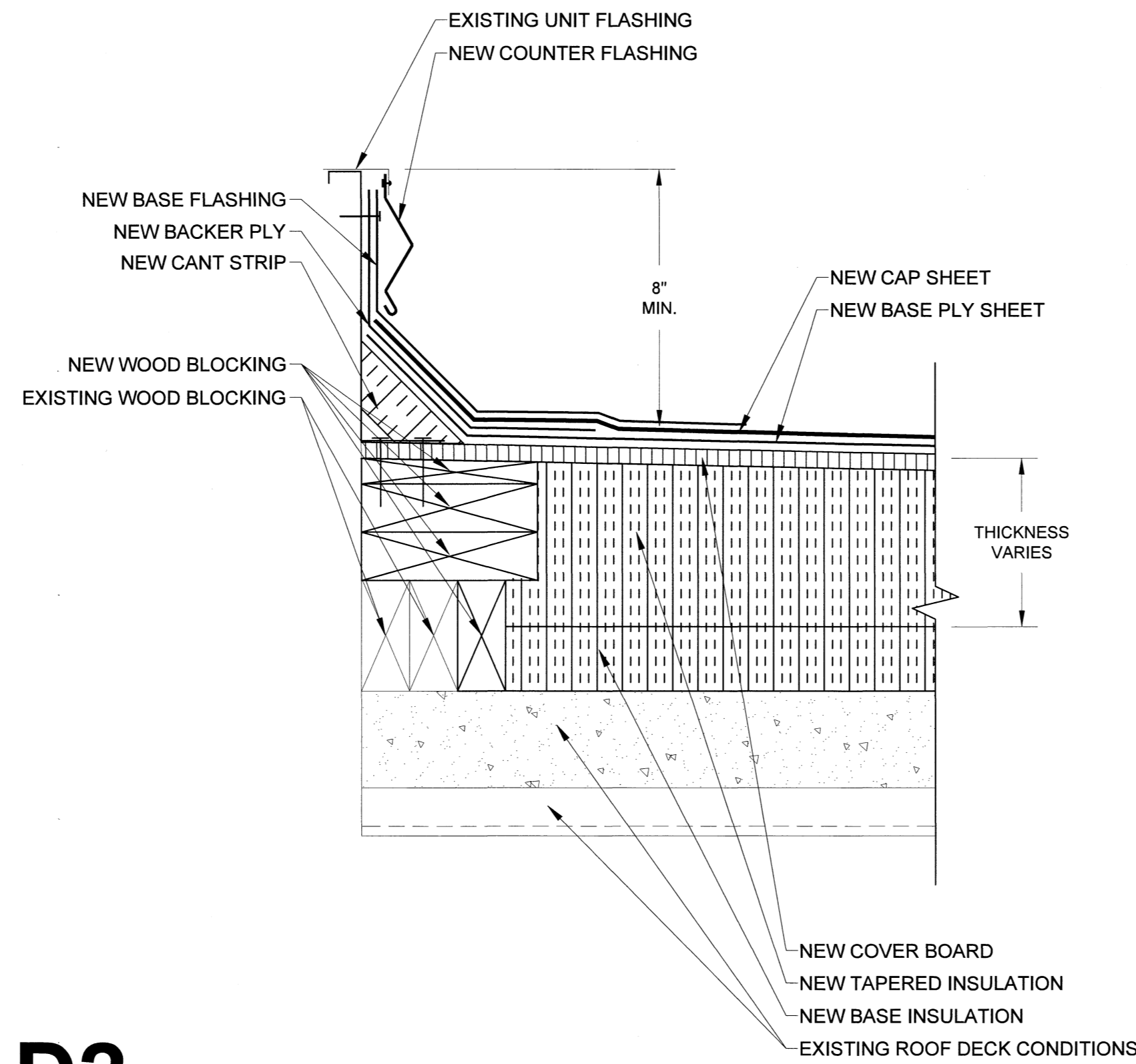


RP1 ROOF PLAN: 513 PICKENS STREET AND ANNEX
 SCALE: 3/32"=1'-0"
 0 2 4 6 8 10 14

NOTE:
CUT AND REMOVE EXISTING EIFS
AT INTERIOR FACE, TOP AND EXTERIOR
FACE OF PARAPET WALL TO CUT LINE,
AS SHOWN.

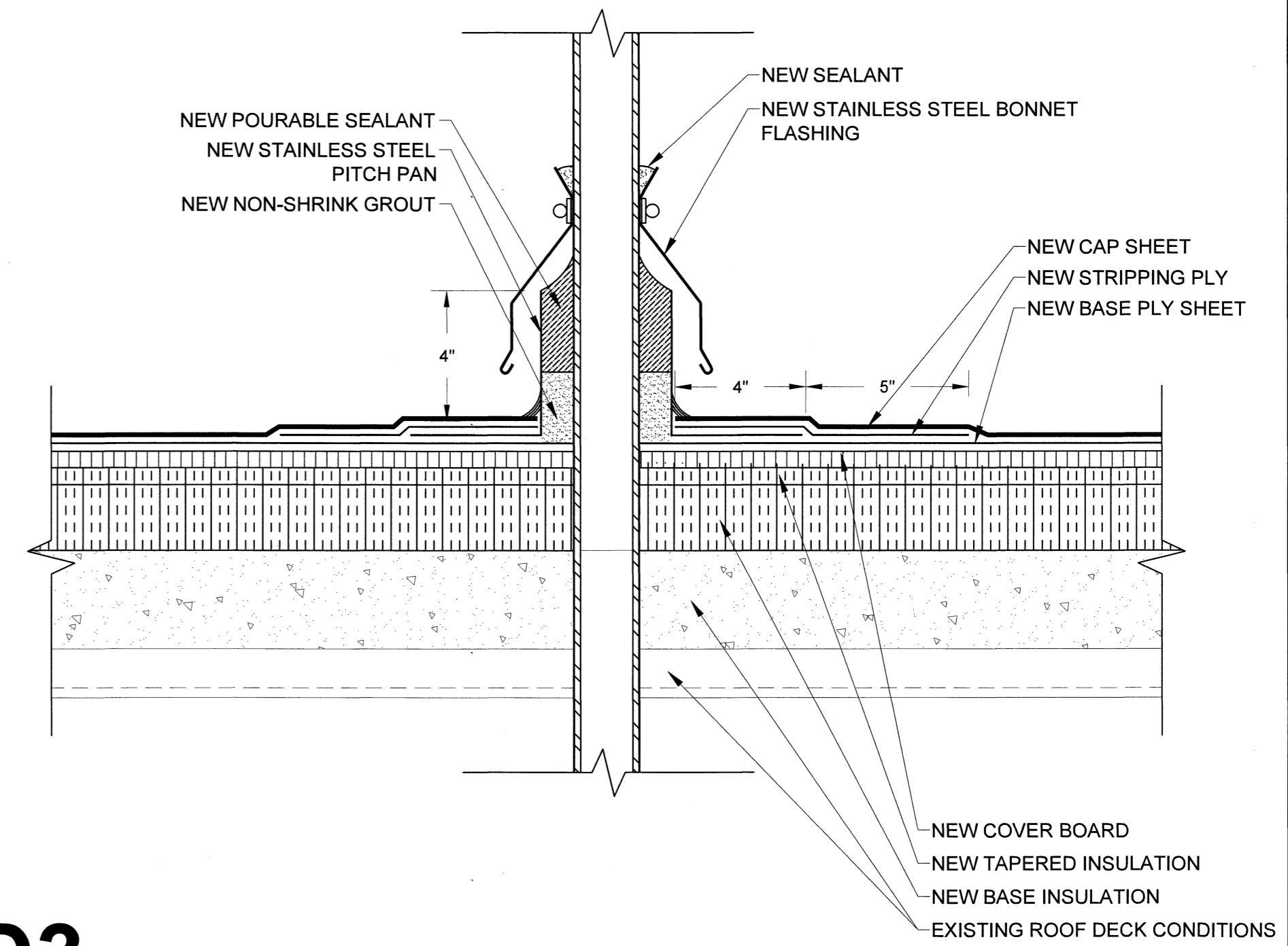


D1 PARAPET WALL DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"



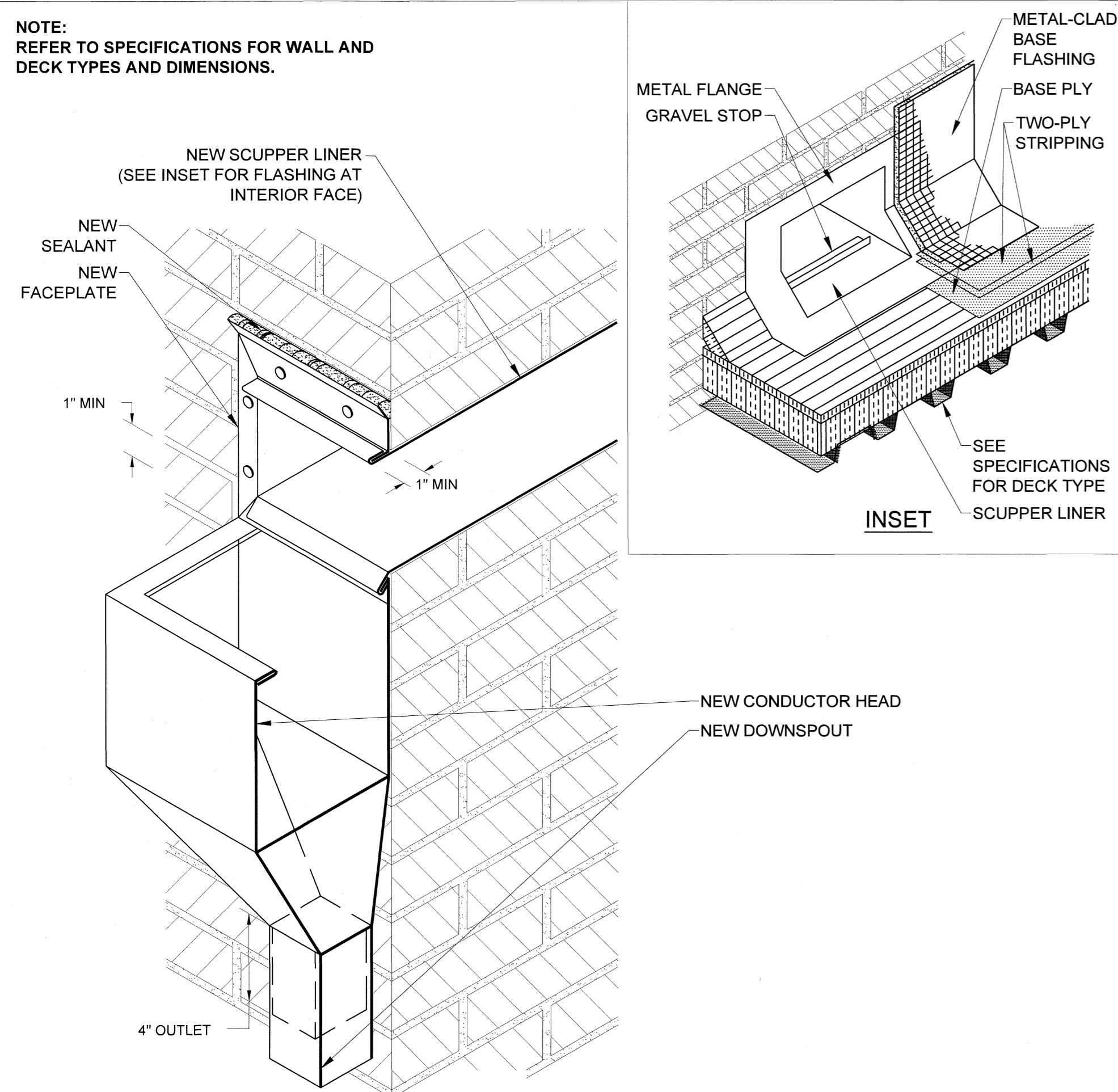
D2 EQUIPMENT CURB DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"

NOTE:
CRICKET NOT SHOWN FOR CLARITY. MODIFY CONDITIONS
TO ACCOMMODATE CRICKET AND TAPERED INSULATION



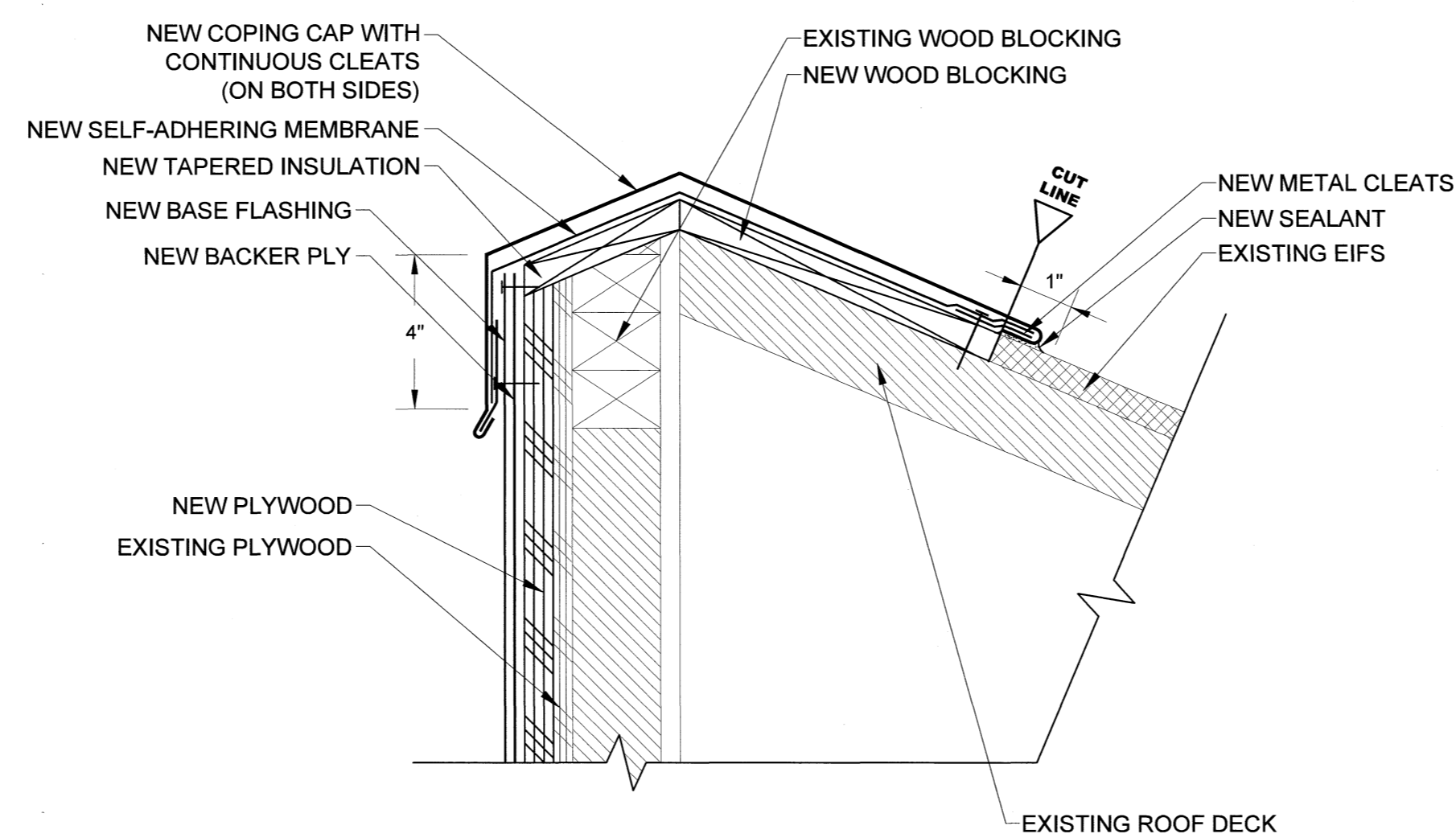
D3 CABLE/PIPE PENETRATION DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"

NOTE:
REFER TO SPECIFICATIONS FOR WALL AND
DECK TYPES AND DIMENSIONS.



D4 DRAIN SCUPPER WITH CONDUCTOR HEAD AND DOWNSPOUT
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"

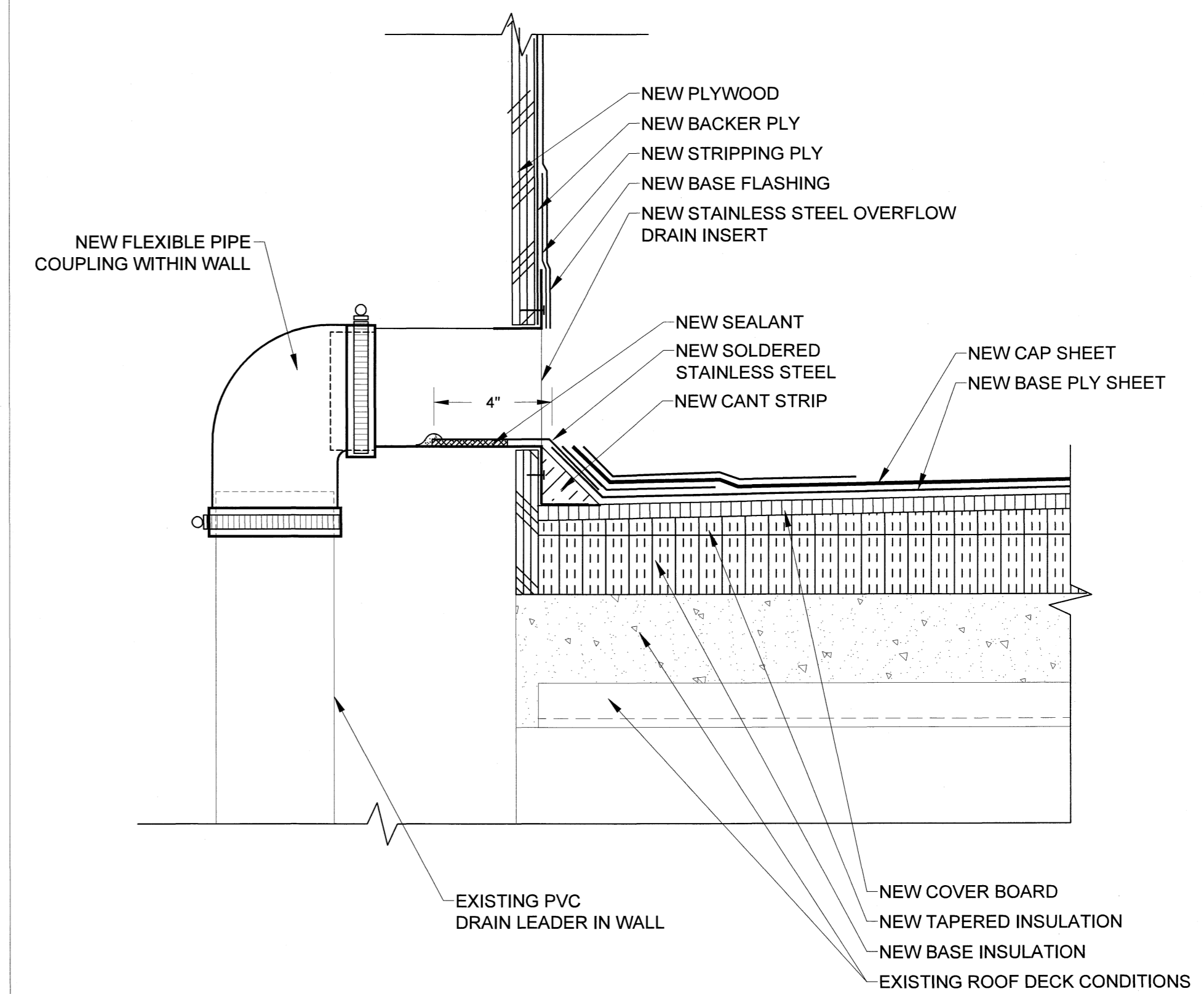
NOTE:
CUT AND REMOVE EXISTING EIFS
AT INTERIOR FACE, TOP AND EXTERIOR
FACE OF PARAPET WALL TO CUT LINE,
AS SHOWN.



D5 CANOPY DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"

NOTE:
REMOVE WALL AS REQUIRED TO ACCESS INTERIOR SPACE.
REPAIR WALL WHEN DETAIL IN COMPLETE.

CRICKET NOT SHOWN FOR CLARITY. MODIFY CONDITIONS
TO ACCOMMODATE CRICKET AND TAPERED INSULATION



D6 OVERFLOW CURB DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"

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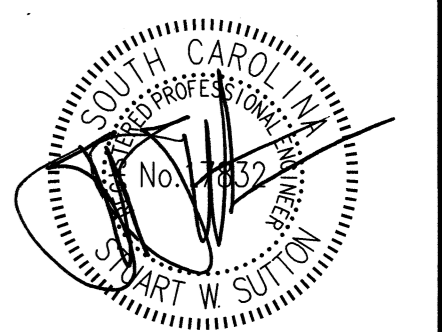
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DESIGNED BY: AWM
DRAWN BY: EGM
APPROVED BY: LTH

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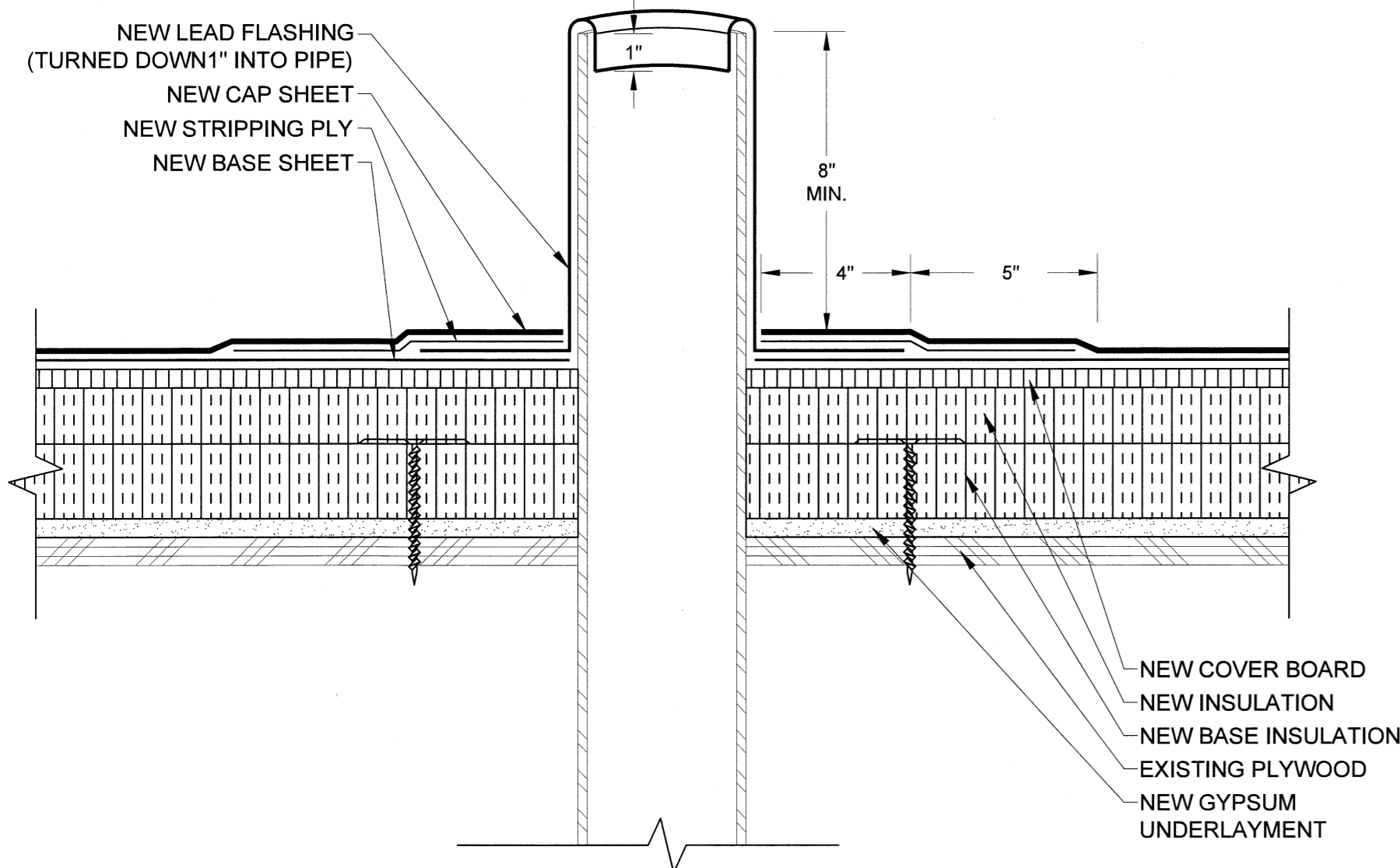
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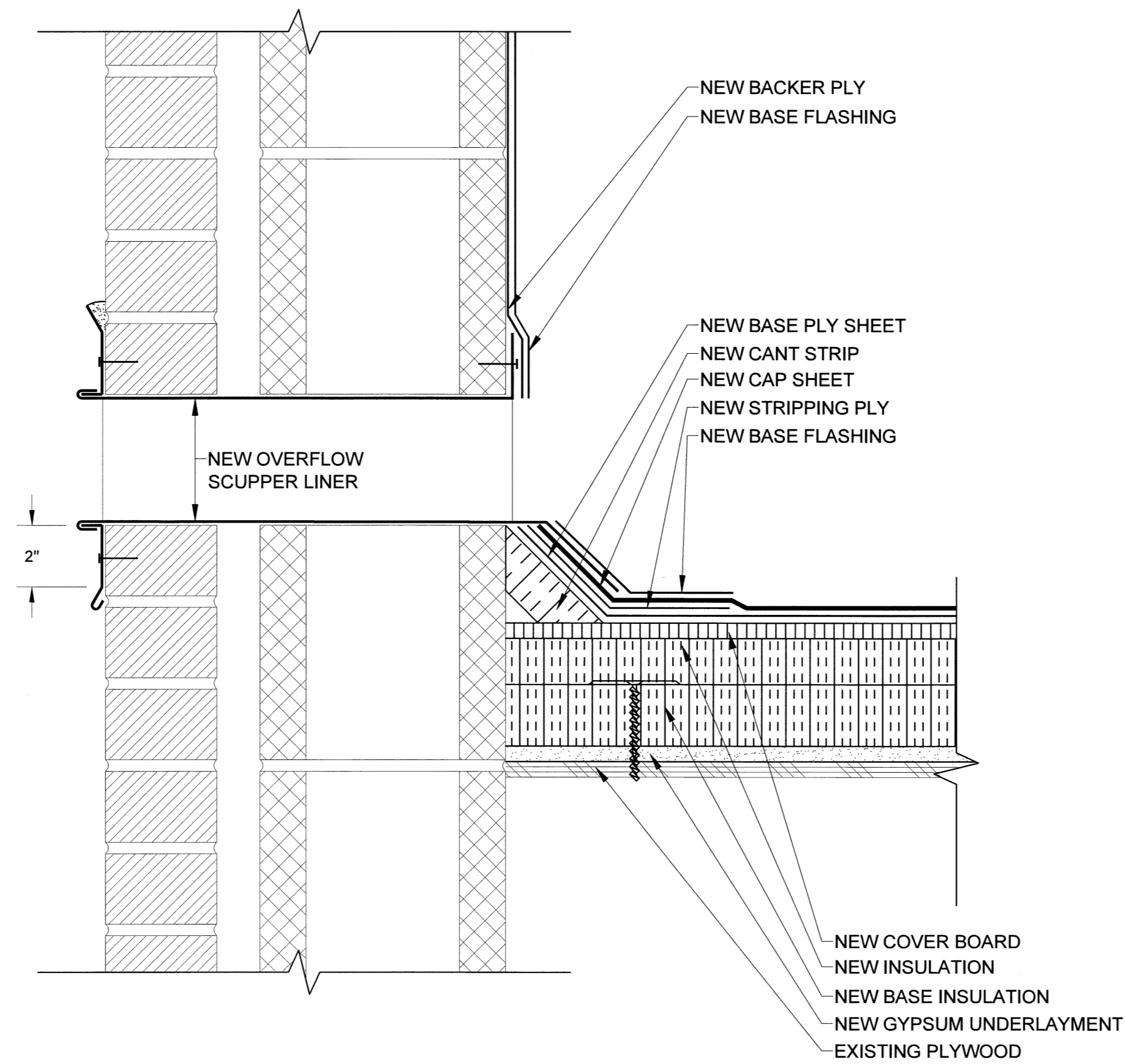
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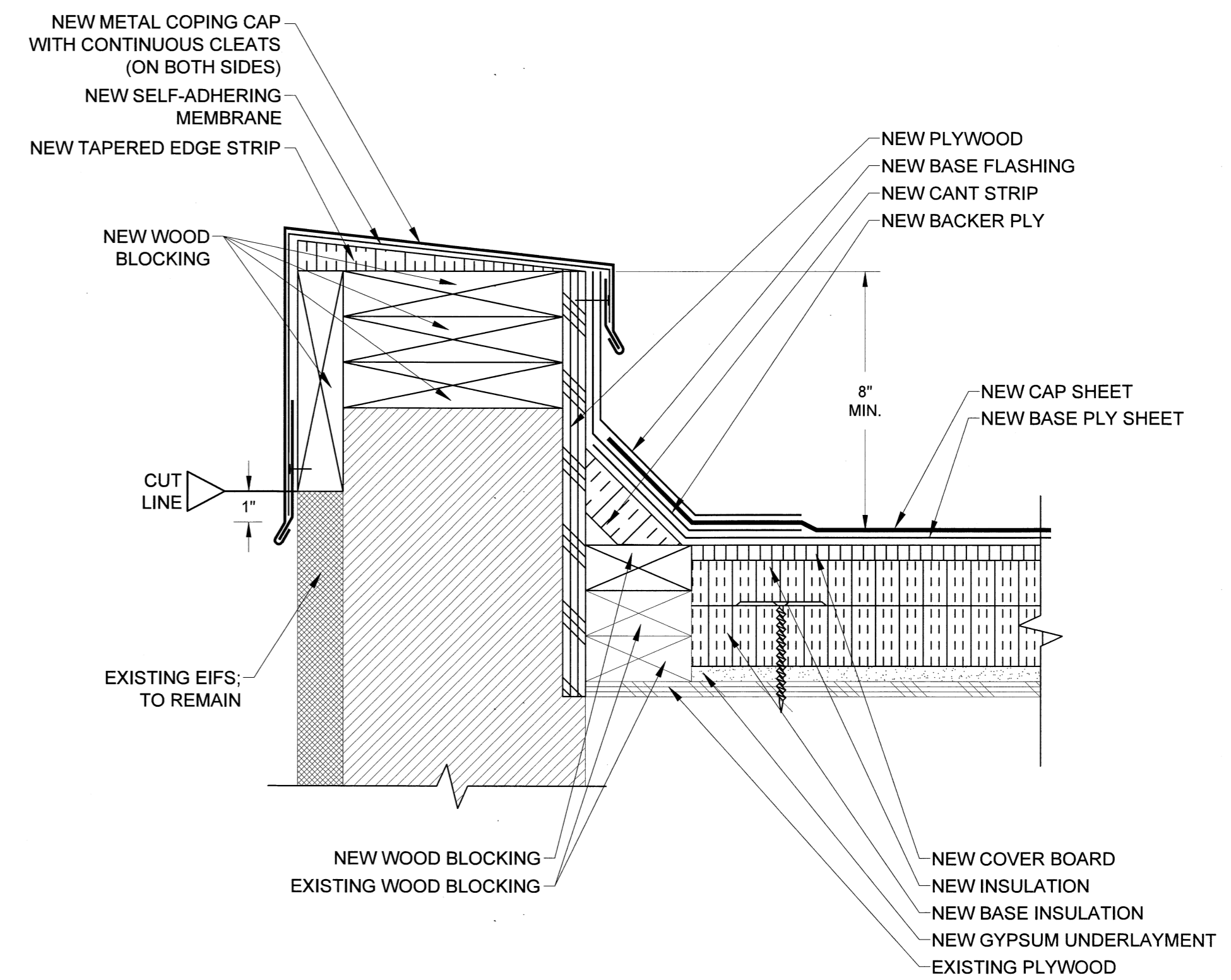


D7 PIPE PENETRATION DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"

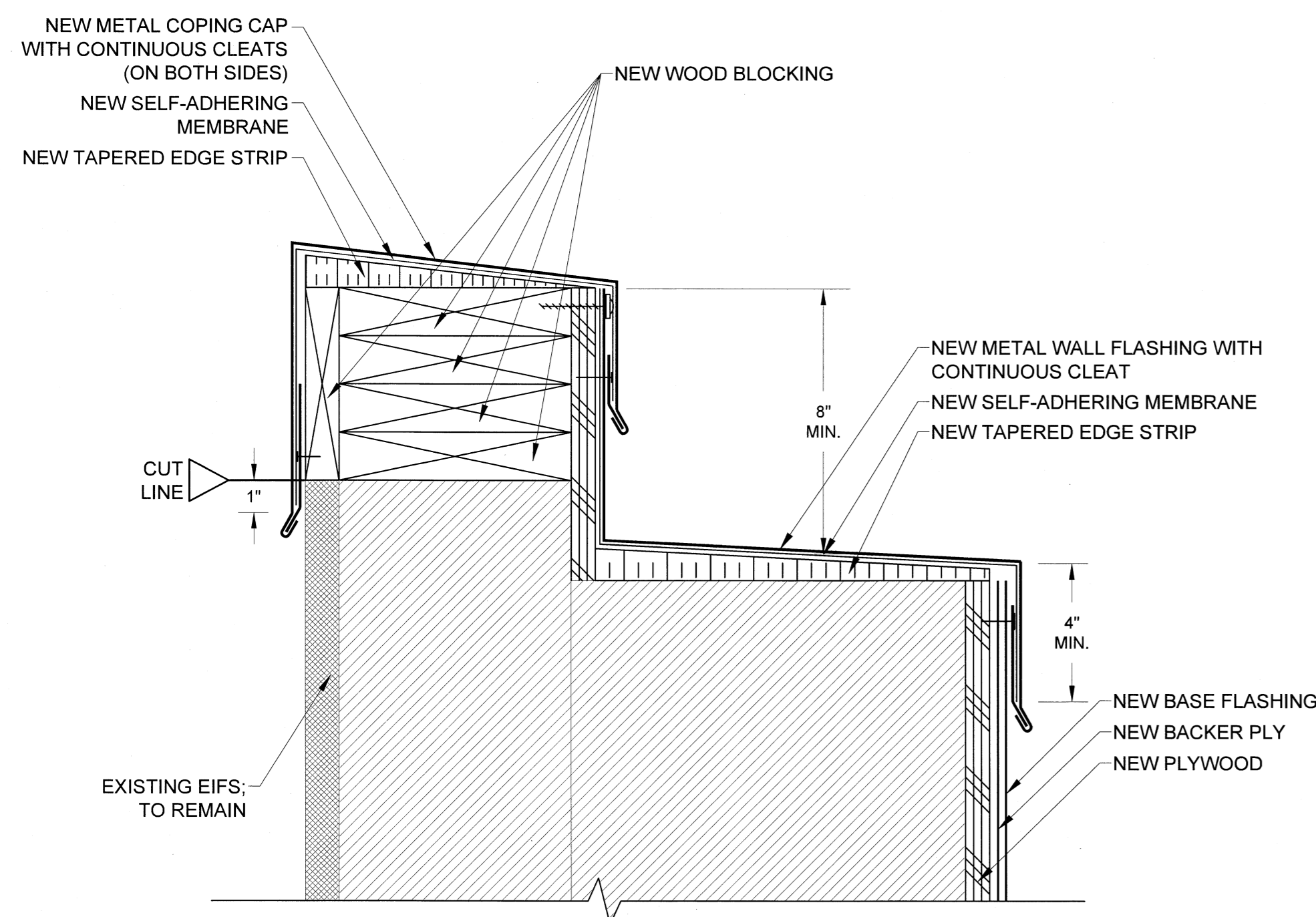
NOTE:
REFER TO SPECIFICATIONS FOR WALL SYSTEM AND SCUPPER SIZE.
SCUPPER TO BE LOCATED APPROXIMATELY TWO INCHES ABOVE
FINISHED ROOF SURFACE.



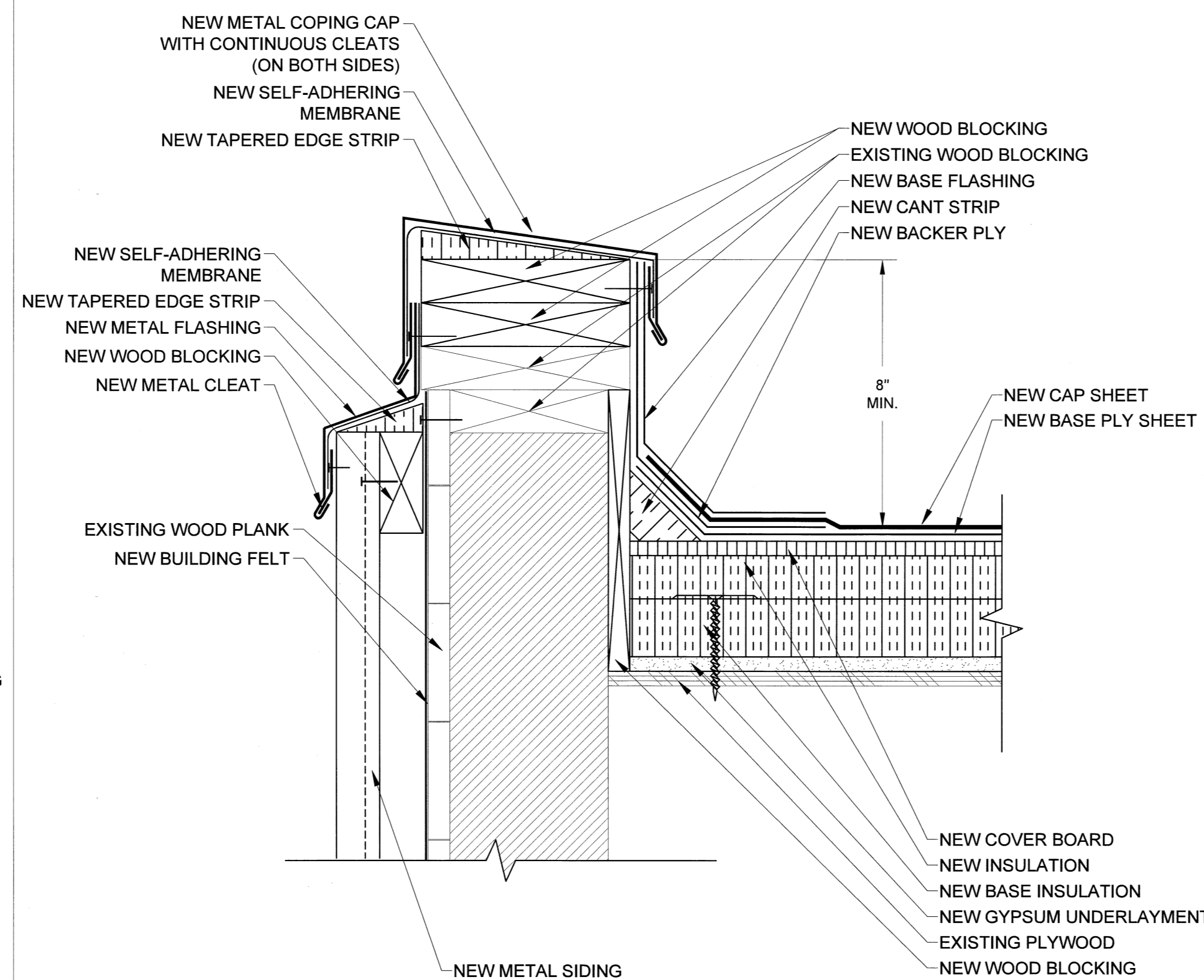
D8 OVERFLOW SCUPPER DETAIL
SCALE: 3" = 1"
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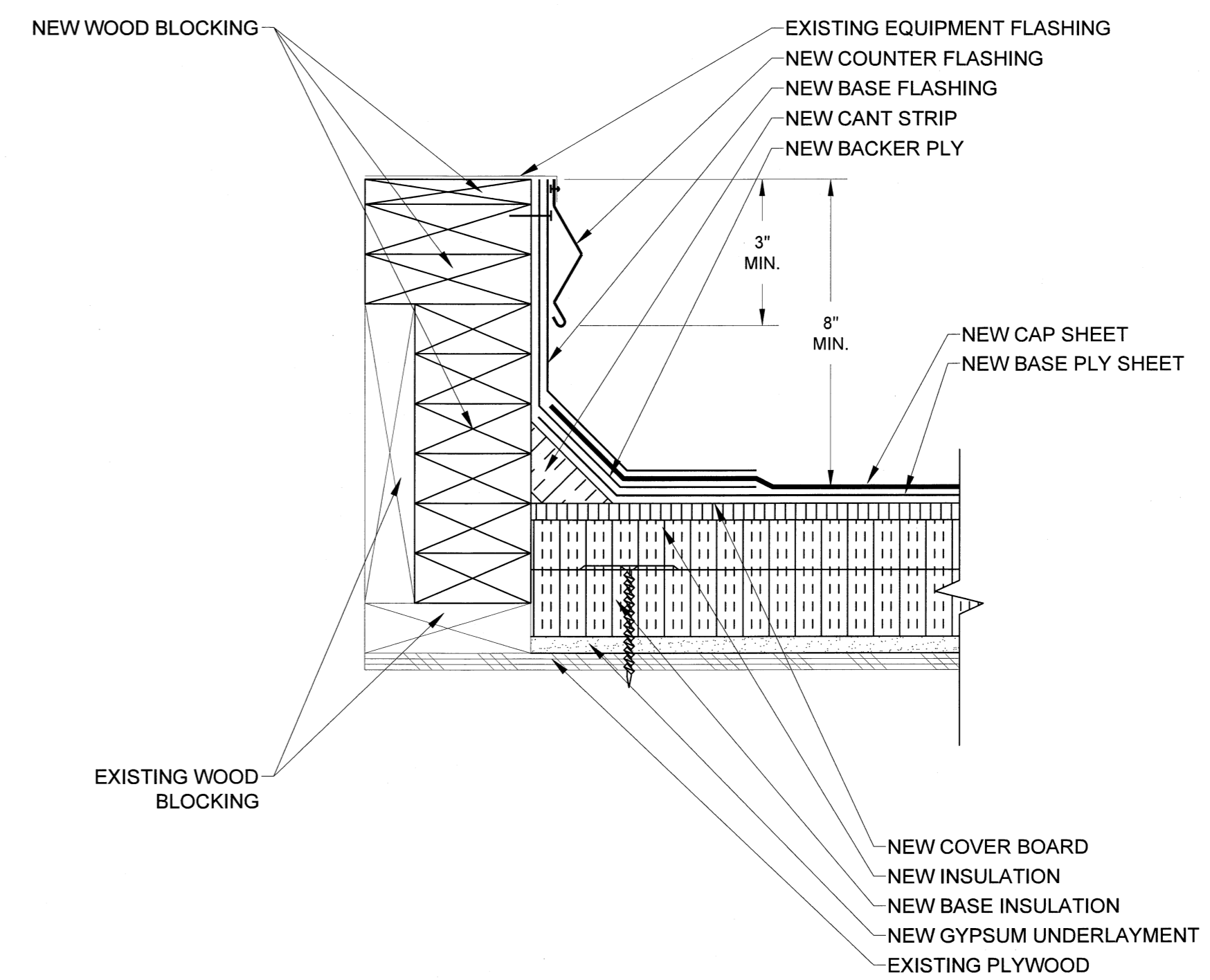
D9 PARAPET WALL DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"



D10 RAISED WALL DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"



D11 PARAPET WALL DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"



D12 EQUIPMENT CURB DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"

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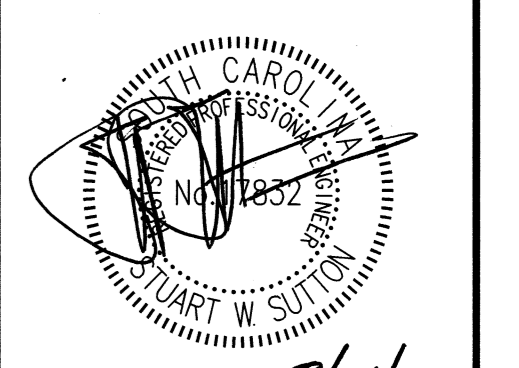
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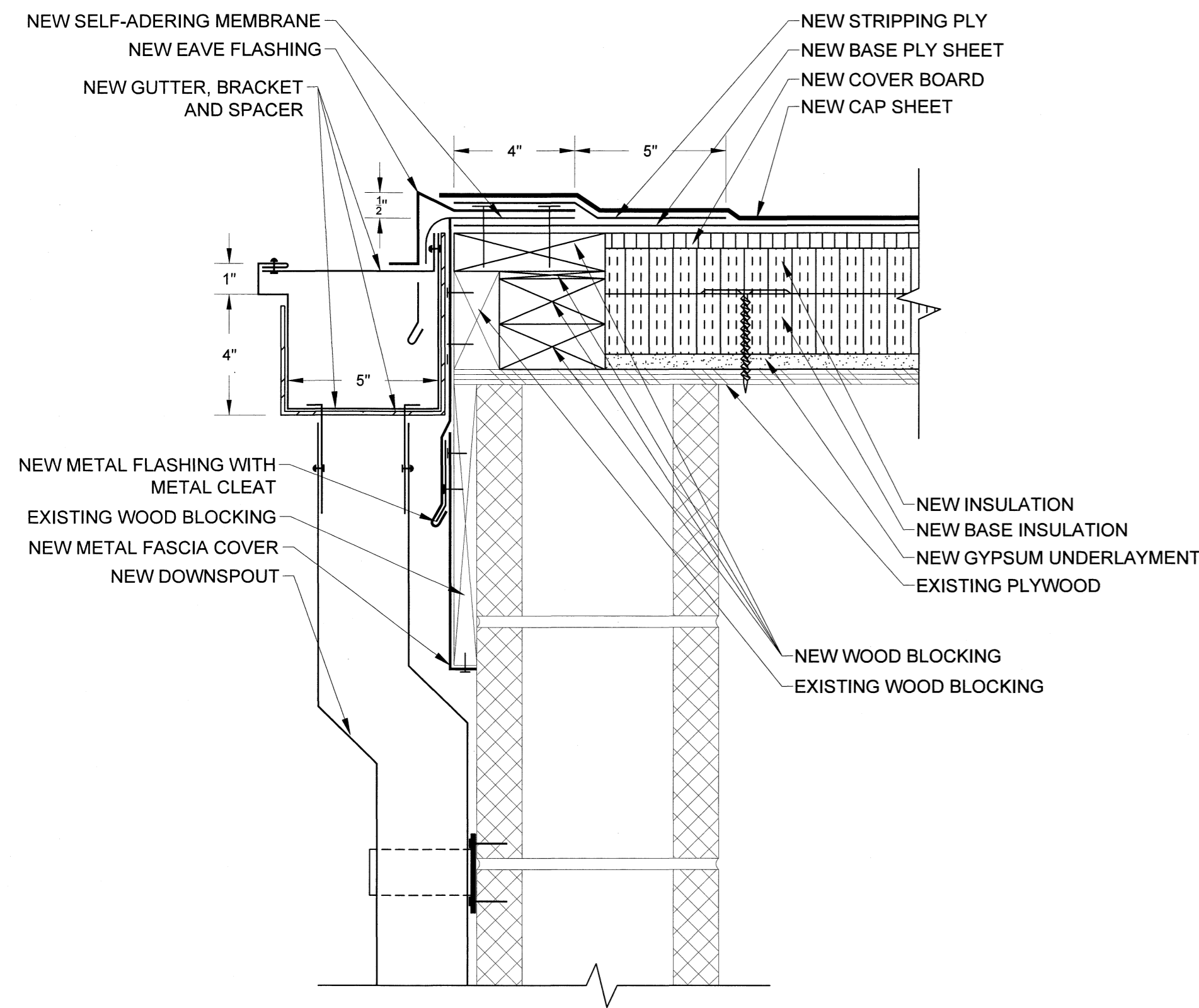
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DESIGNED BY: **AWM**
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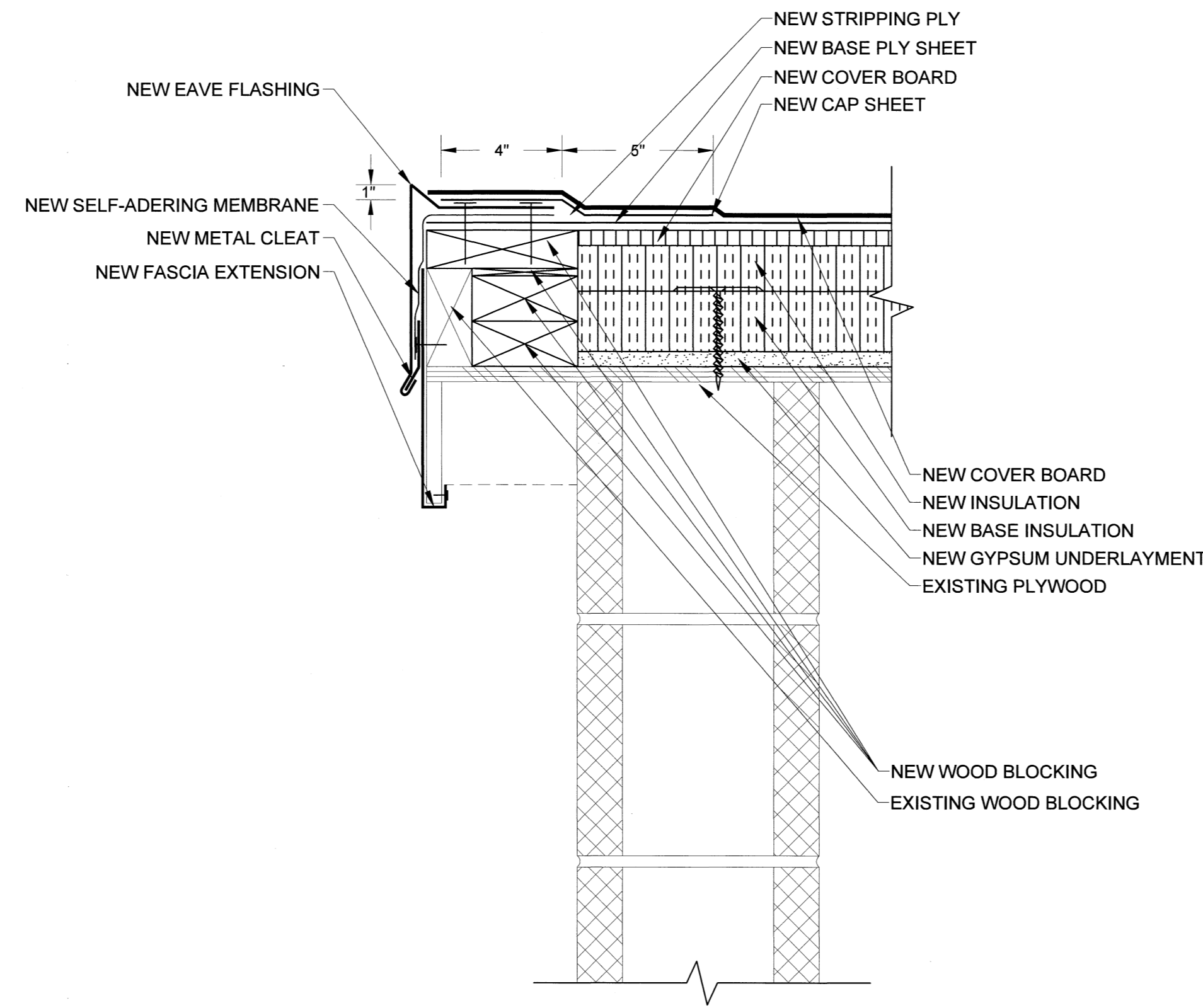
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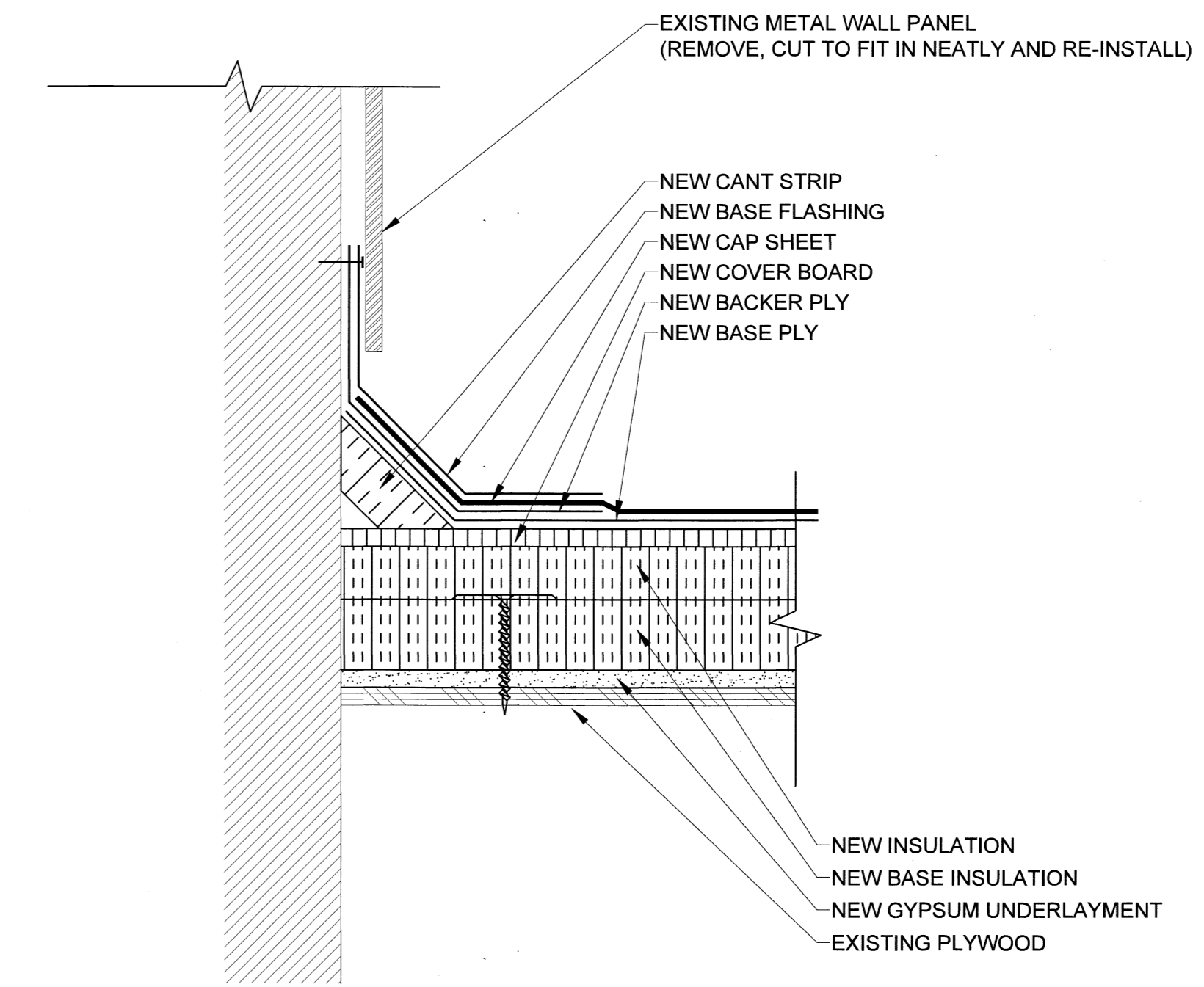
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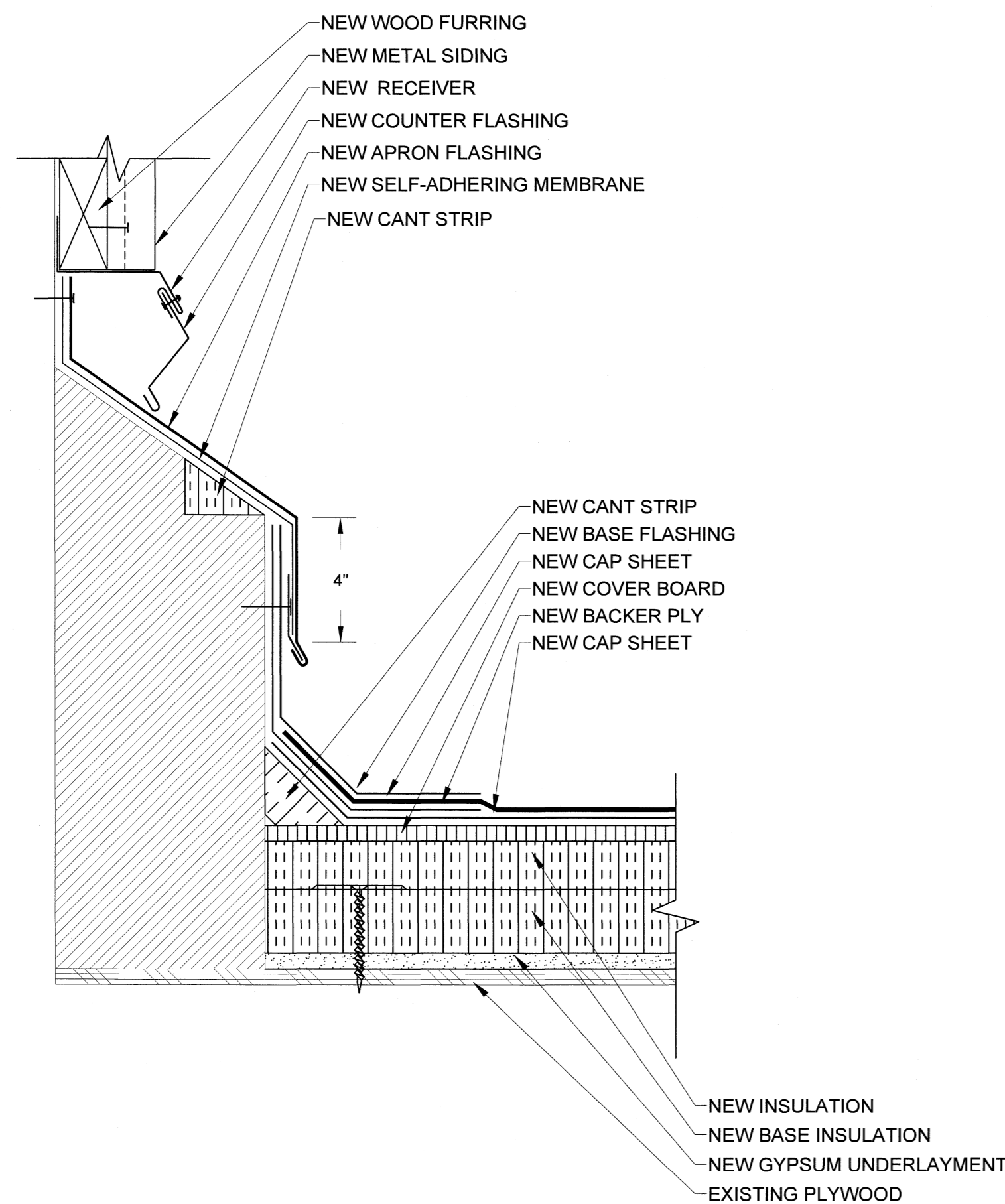
D13 GUTTER DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"



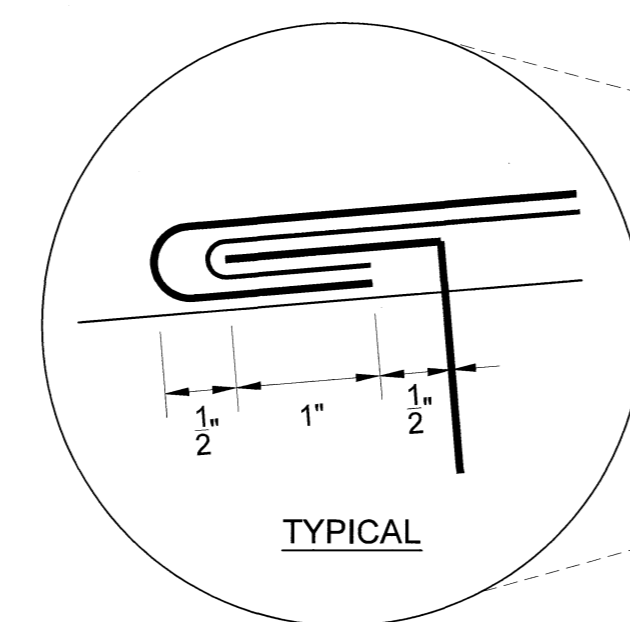
D14 EAVE DETAIL
SCALE: 3" = 1"
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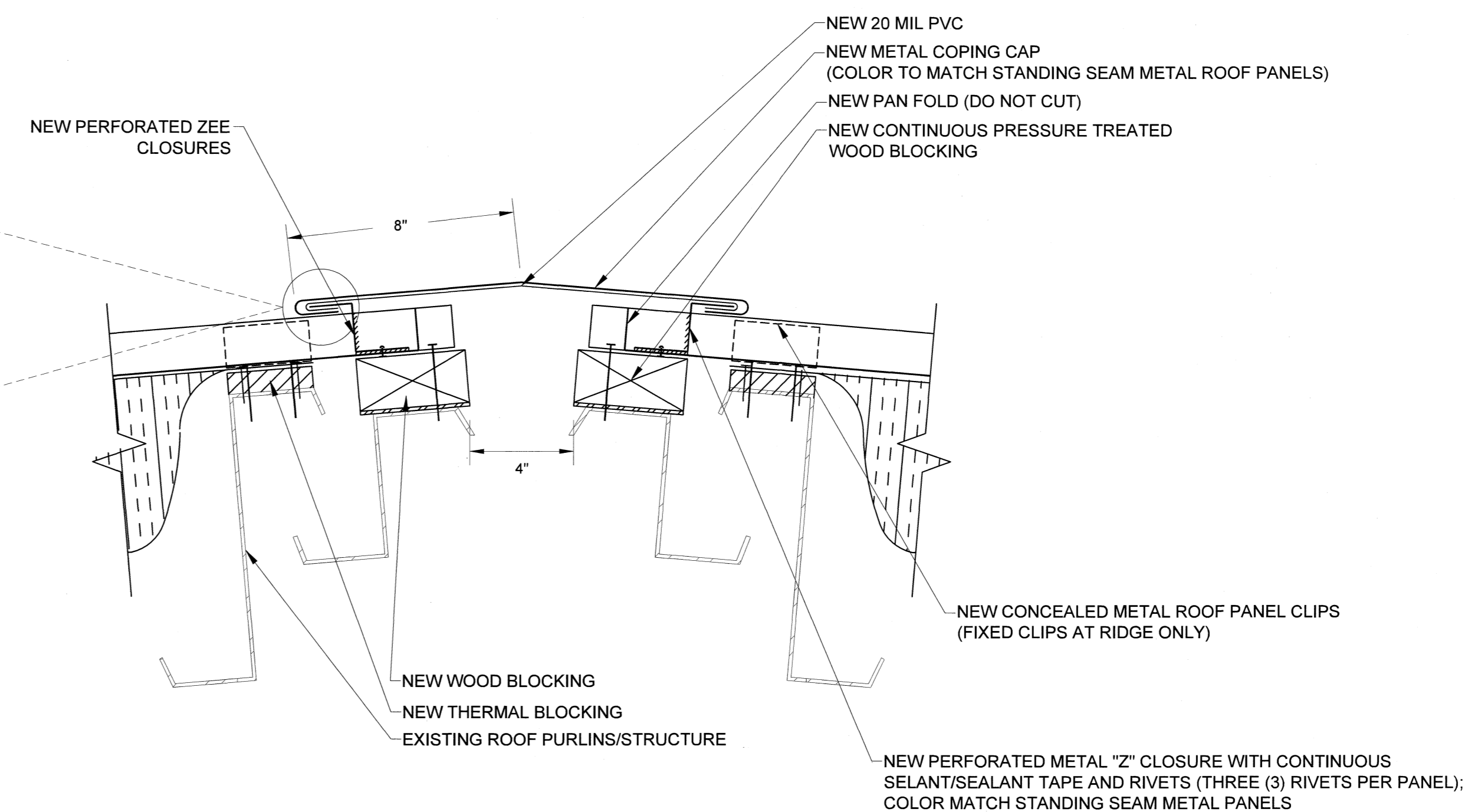
D15 WALL FLASHING DETAIL
SCALE: 3" = 1"
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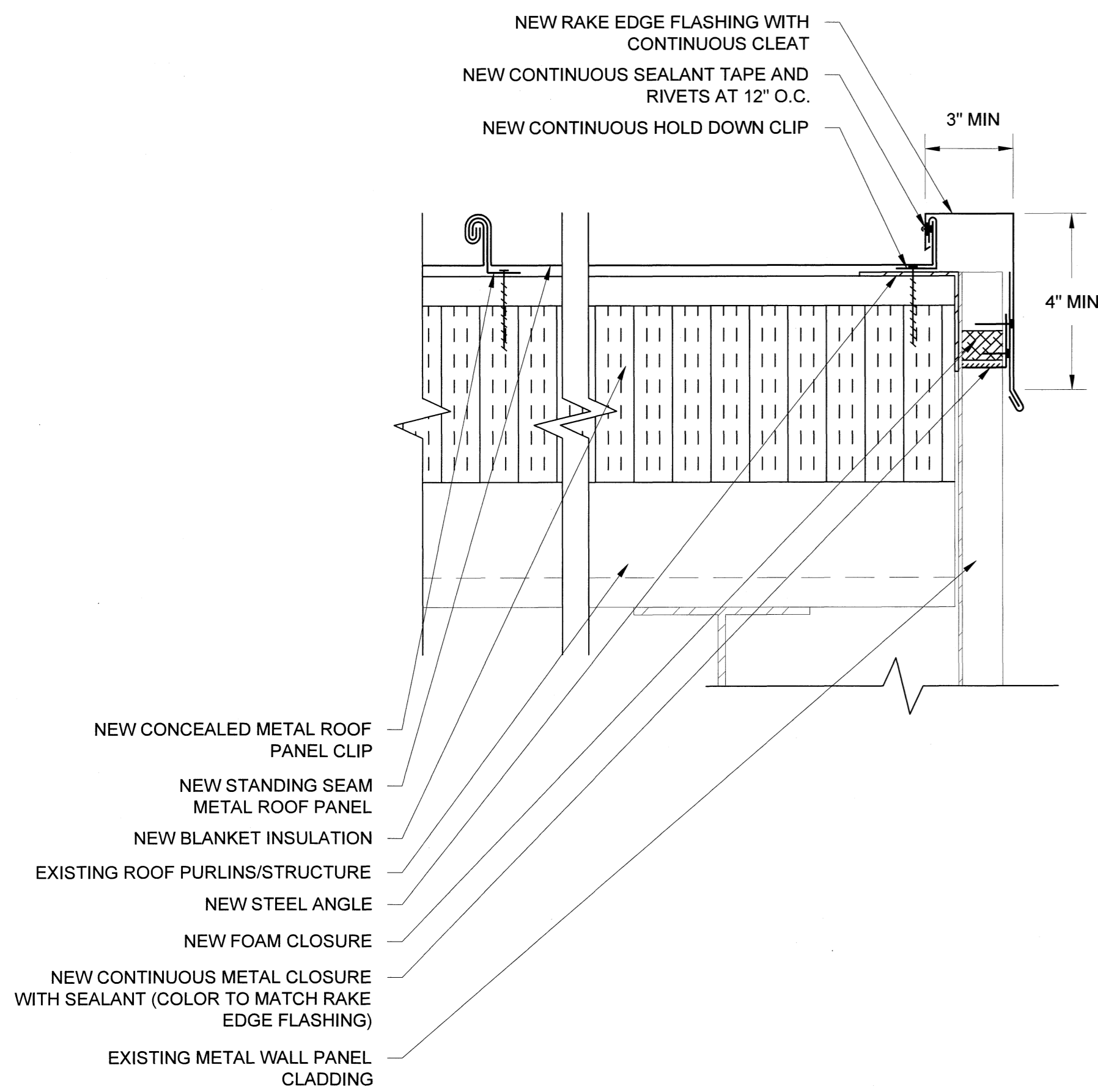


D16 WALL FLASHING DETAIL
SCALE: 3" = 1"
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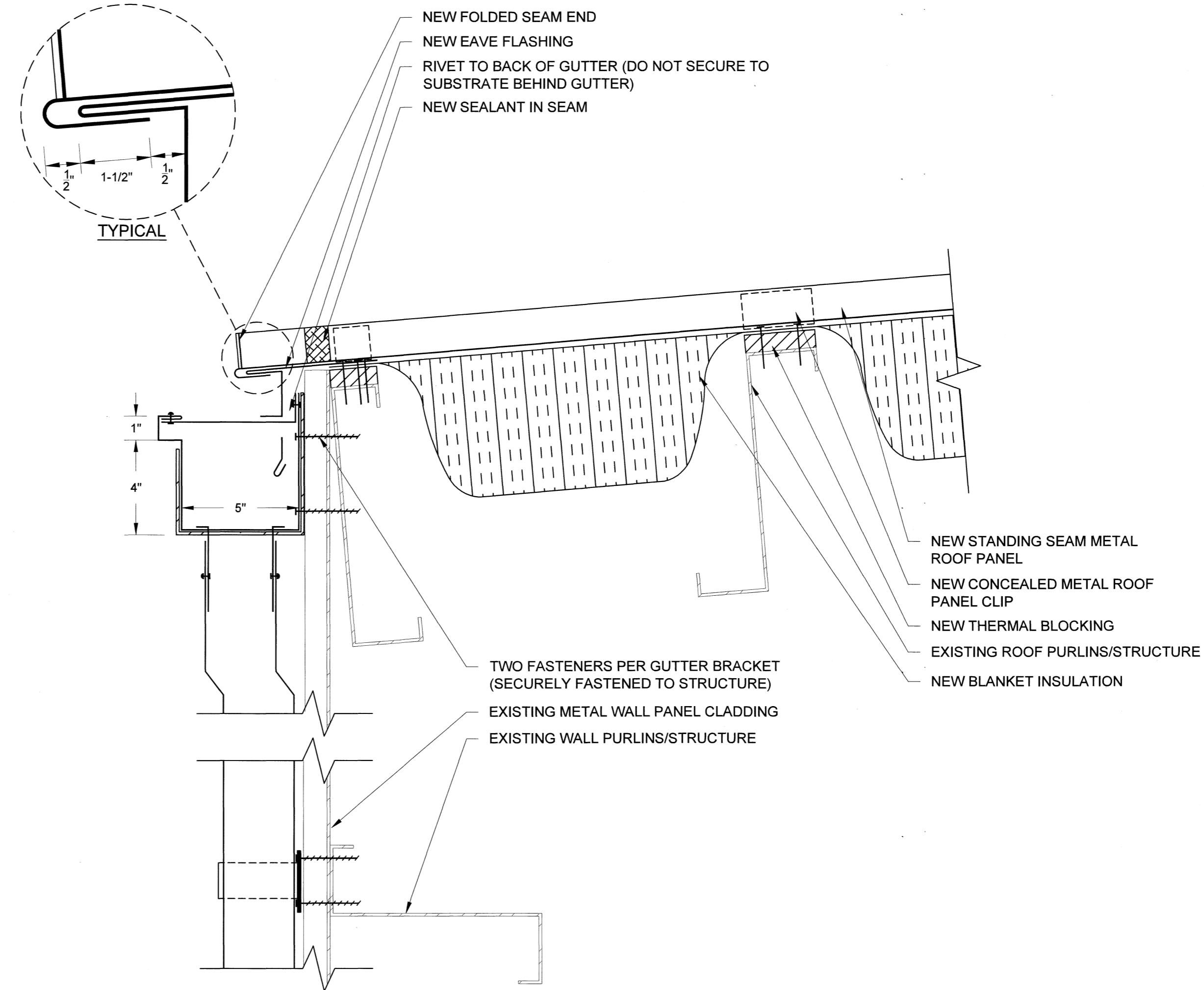


D17 VENTED RIDGE DETAIL
SCALE: 3" = 1"
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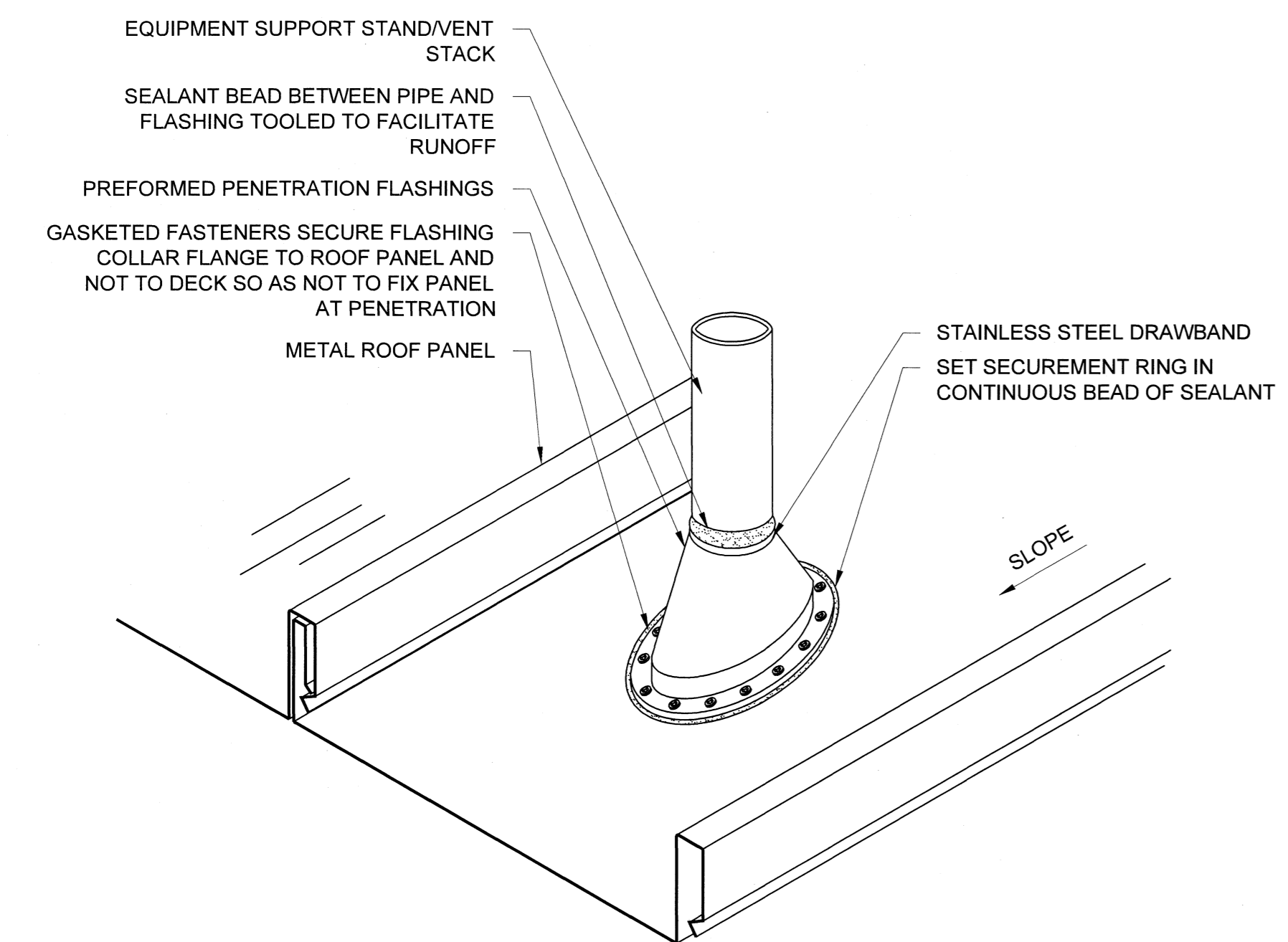


D18 RAKE DETAIL (TYPICAL)
SCALE: 3" = 1"
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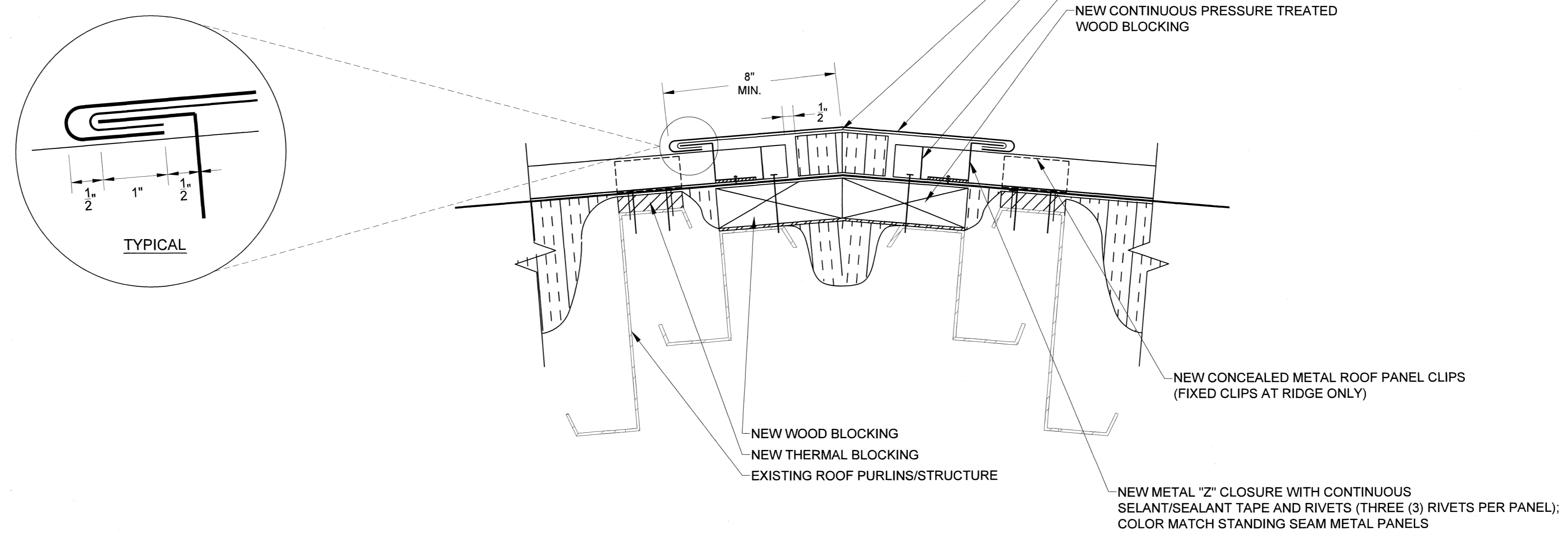


D19 EAVE/GUTTER DETAIL (TYPICAL)
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"

NOTE: LAP RIDGE SECTIONS 6" AND PROVIDE 3 CONTINUOUS BEADS OF SEALANT



D20 PIPE PENETRATION DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"



D21 RIDGE DETAIL (TYPICAL)
SCALE: 3" = 1"
0 1" 2" 3" 4" 5" 6"

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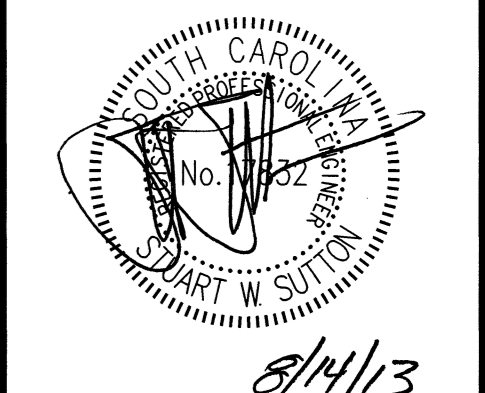
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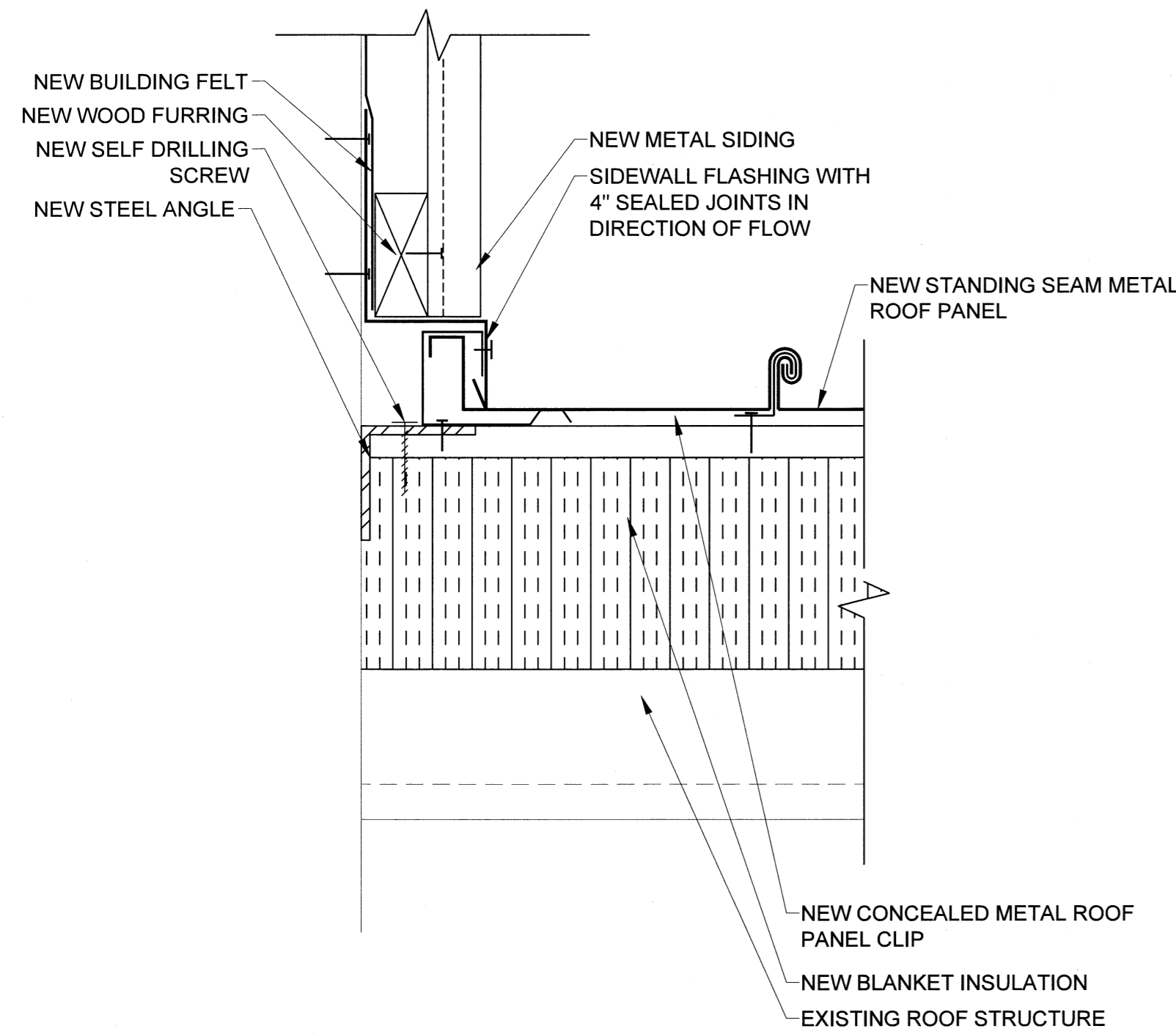
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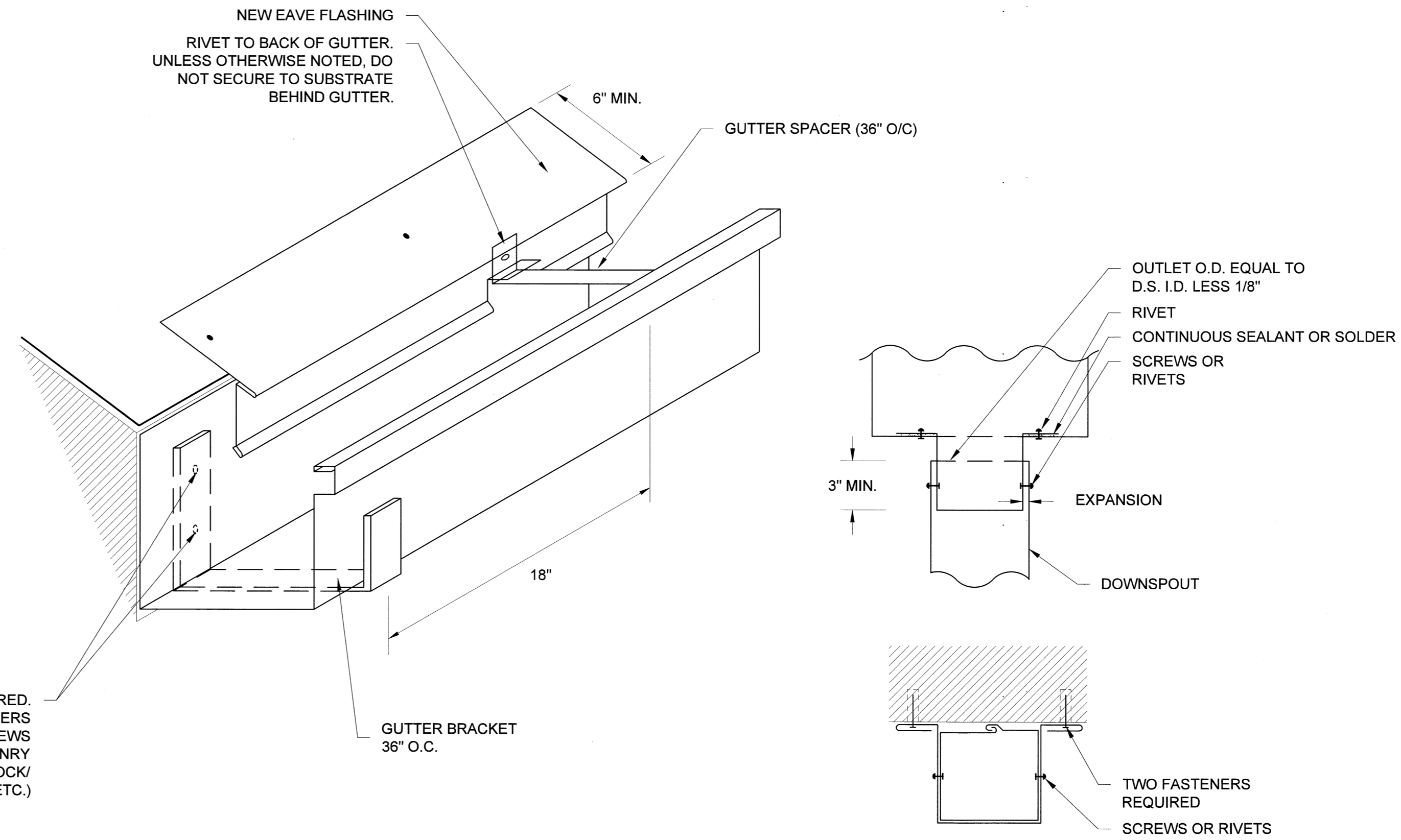
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R-204

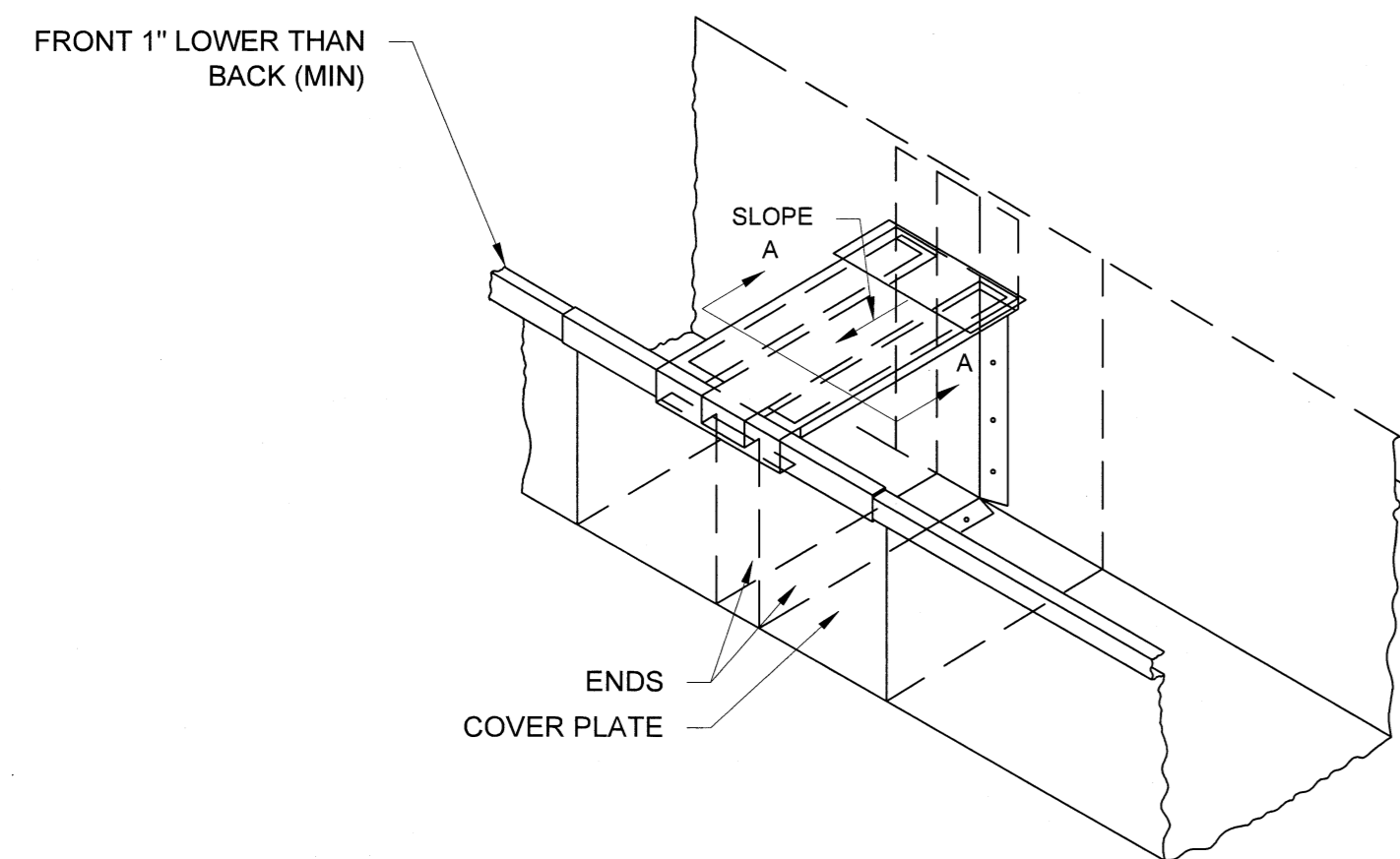


D22 WALL FLASHING DETAIL
SCALE: 3" = 1'
0 1" 2" 3" 4" 5"

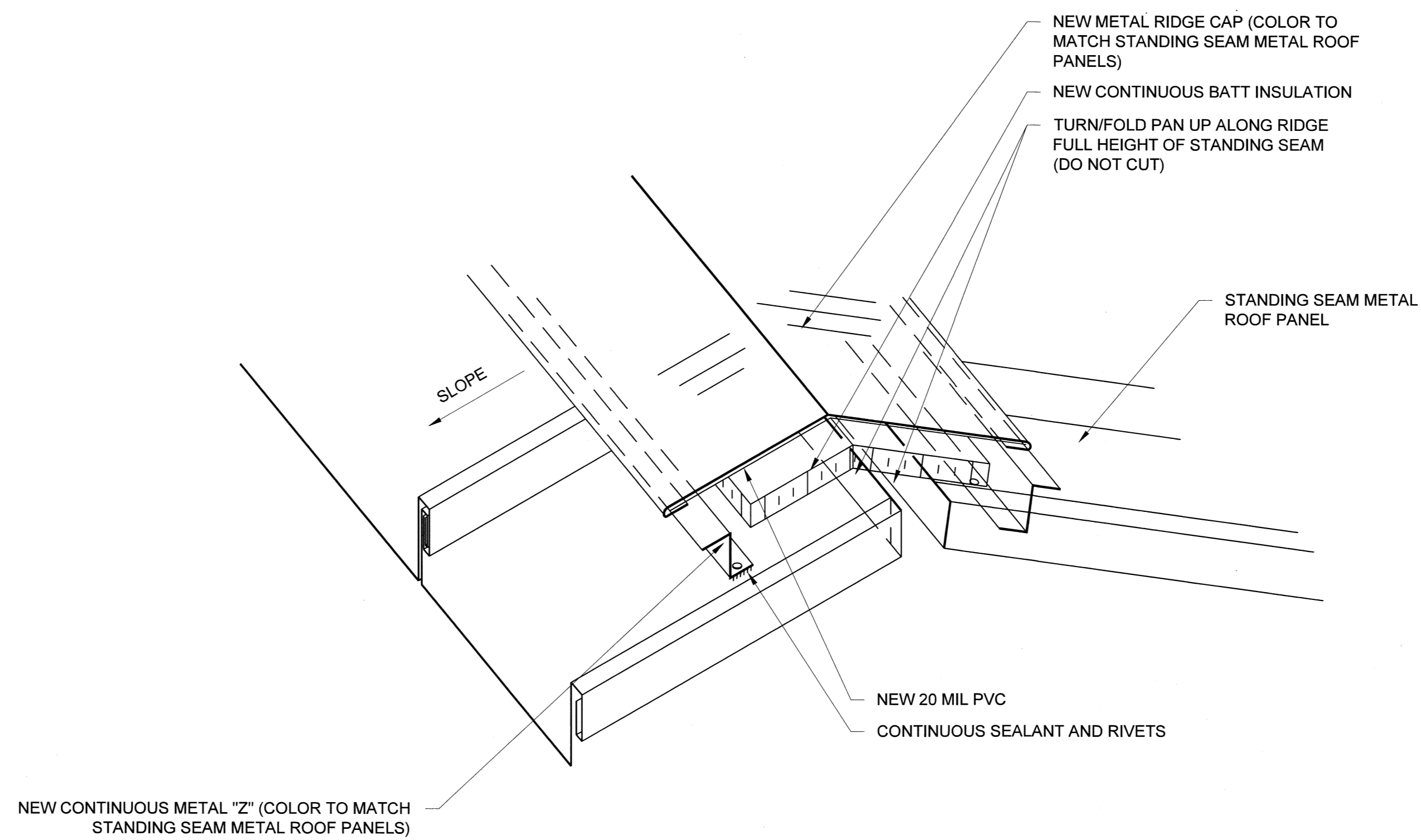
NOTE: METAL RFG NOT SHOWN FOR CLARITY



D23 WALL FLASHING DETAIL
SCALE: 3" = 1'
0 1" 2" 3" 4" 5"



D24 GUTTER EXPANSION JOINT DETAIL (TYPICAL)
SCALE: 3" = 1'
0 1" 2" 3" 4" 5"



D25 RIDGE CAP (NON-VENTING) (TYPICAL)
SCALE: 3" = 1'
0 1" 2" 3" 4" 5"

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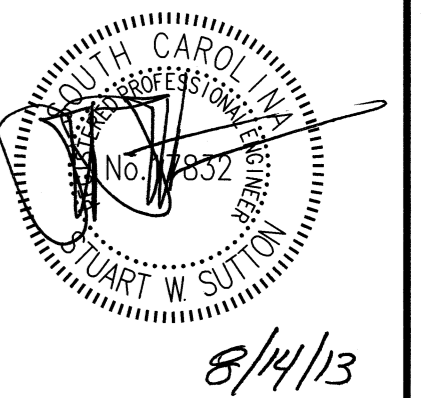
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