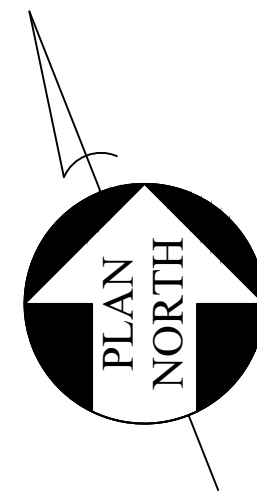


SCC - TYGER RIVER BMW BUILDING
REROOFING PROJECT
210 COMMERCE CT., DUNCAN, SC 29334

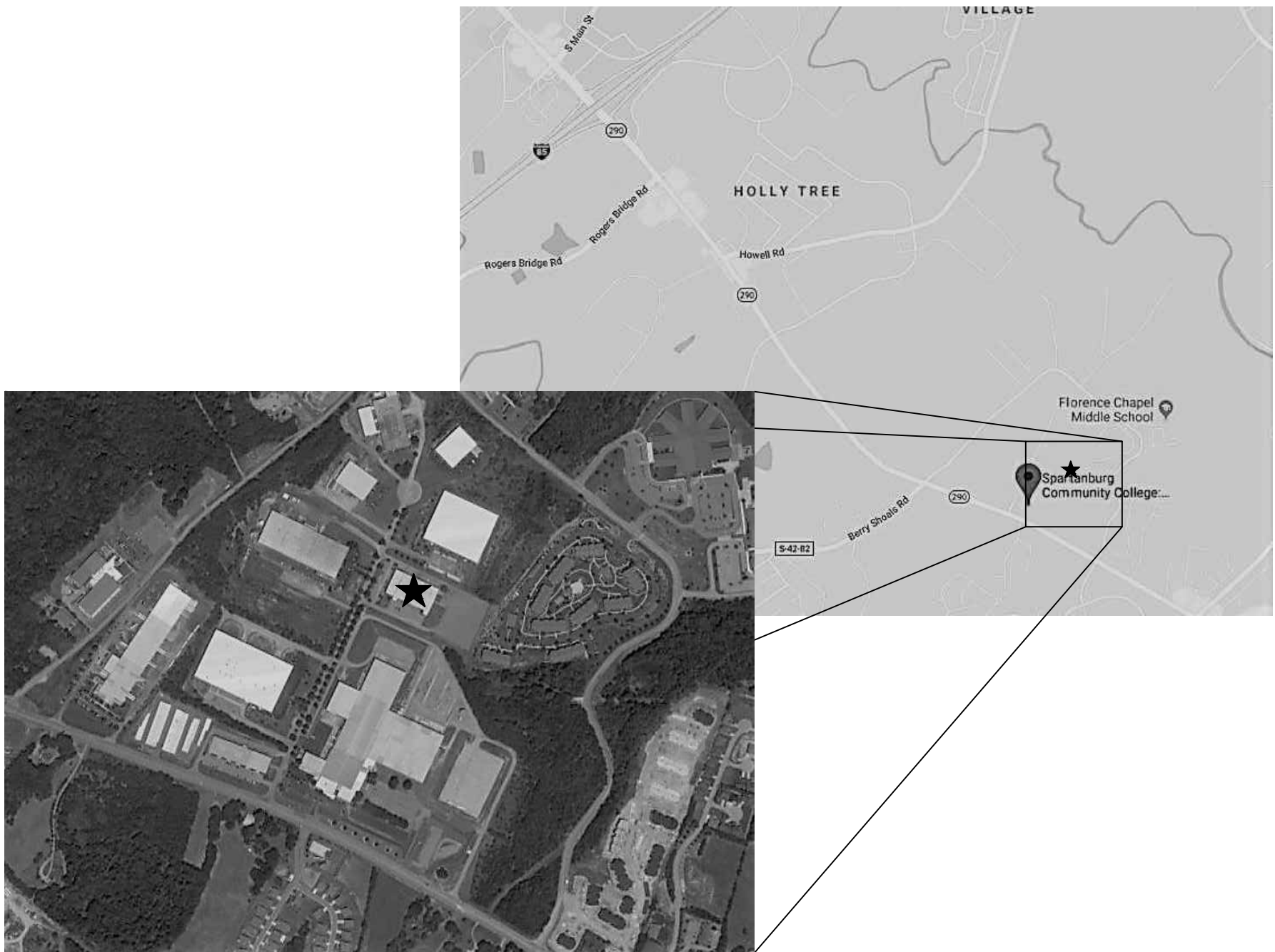


PROJECT DATA

- A. PROJECT DESIGNED IN ACCORDANCE WITH:
1. INTERNATIONAL BUILDING CODE - 2021 EDITION
 2. INTERNATIONAL PLUMBING CODE - 2021 EDITION
 3. INTERNATIONAL FIRE CODE - 2021 EDITION
 4. INTERNATIONAL EXISTING BUILDING CODE - 2021 EDITION
 5. INTERNATIONAL ENERGY CONSERVATION CODE - 2009 EDITION
 6. NATIONAL FIRE PROTECTION ASSOCIATION 10 - 2021 EDITION
- B. BASIC REVIEW INFORMATION
1. EXISTING BUILDING IS A 1-STORY REINFORCED CONCRETE MASONRY UNIT (CMU) NON-LOAD BEARING WALL CONSTRUCTION WITH STEEL COLUMNS AND BEAMS SUPPORTING ROOF LOAD. STEEL "Z"-PURLINS SPAN APPROXIMATELY 25' BETWEEN BEAMS AND ARE SPACED APPROXIMATELY 5' O.C. VINYL BACKED BATT INSULATION IS DRAPED ACROSS PURLINS WITH A METAL TRAPEZOIDAL PANEL ROOF ATTACHED WITH EXPOSED FASTENERS.
 2. AREA OF AFFECTED ROOF (ACTUAL AREA): 42,543 SF
 - a. ROOF AREA 1: 16,950 SF
 - b. ROOF AREA 2: 18,093 SF
 - c. ROOF AREA 3: 7,500 SF
 3. EAVE HEIGHT ABOVE GRADE:
 - a. ROOF AREA 1: 24'
 - b. ROOF AREA 2: 24'
 - c. ROOF AREA 3: 18'
 4. PRIMARY OCCUPANCY CLASS: GROUP "B" BUSINESS
 5. CLASS "A" ROOF COVERING
- C. PROJECT IN FIRE DISTRICT: YES
- D. STRUCTURAL INFORMATION:
1. RAs 1, 2 & 3 DESIGN LOADS:
 - a. ORIGINAL DEAD LOAD INCLUDED METAL TRAPEZOIDAL PANEL & 3" VINYL BACKED BATT INSULATION
ESTIMATED WEIGHT: 1.5lbs/SF
 - b. PROPOSED DEAD LOAD INCLUDING SINGLE PLY ROOF MEMBRANE & RIGID INSULATION ATTACHED THROUGH THE EXISTING TRAPEZOIDAL TO "Z" PURLINS
DESIGN WEIGHT: 3lbs/SF
 - c. NET DEAD LOAD INCREASE OF 1.5lbs/SF



1 KEY PLAN



2 SITE VICINITY MAP

LEGEND

- = AREAS IN CONTRACT
- ▨ = AREAS NOT IN CONTRACT
- RA# = ROOF AREA DESIGNATIONS

DRAWING INDEX

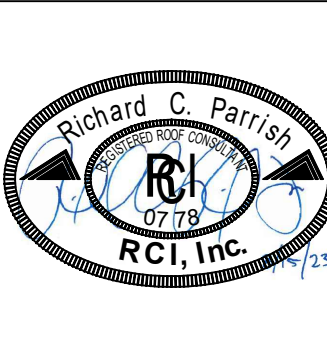
- K1 TITLE SHEET, SITE VICINITY MAP, KEY PLAN, & DRAWING INDEX
- R1 ROOF PLAN
- D1 DETAILS
- D2 DETAILS
- D3 DETAILS

Shepard & Associates, LLC

3547 Dreher Shoals Road, Suite 6
Irmo, South Carolina 29063
Phone: (803) 407-8284
Fax: (803) 407-8206

SHEET TITLE:	Key Plan
PROJECT DESCRIPTION:	State Project No. H59-6196-PD-B
SCC - TYGER RIVER BMW BUILDING REROOFING PROJECT	
CLIENT NAME:	SPARTANBURG COMMUNITY COLLEGE

REVISIONS	REVISION	DATE	APPROVED



PF No. 15004.015.004
DATE: 8/15/2023
SCALE: NTS
DRAWN BY: RCP
CHECKED BY: JAW

SHEET
K1

LEGEND

= AREAS IN CONTRACT

= AREAS NOT IN CONTRACT

RA #

= ROOF AREA DESIGNATION

= SLOPE IN DECK

= ROOF HATCH

= DOWNSPOUT

= GOOSE NECK VENT

= LOUVRE HOUSING

= EXHAUST VENT

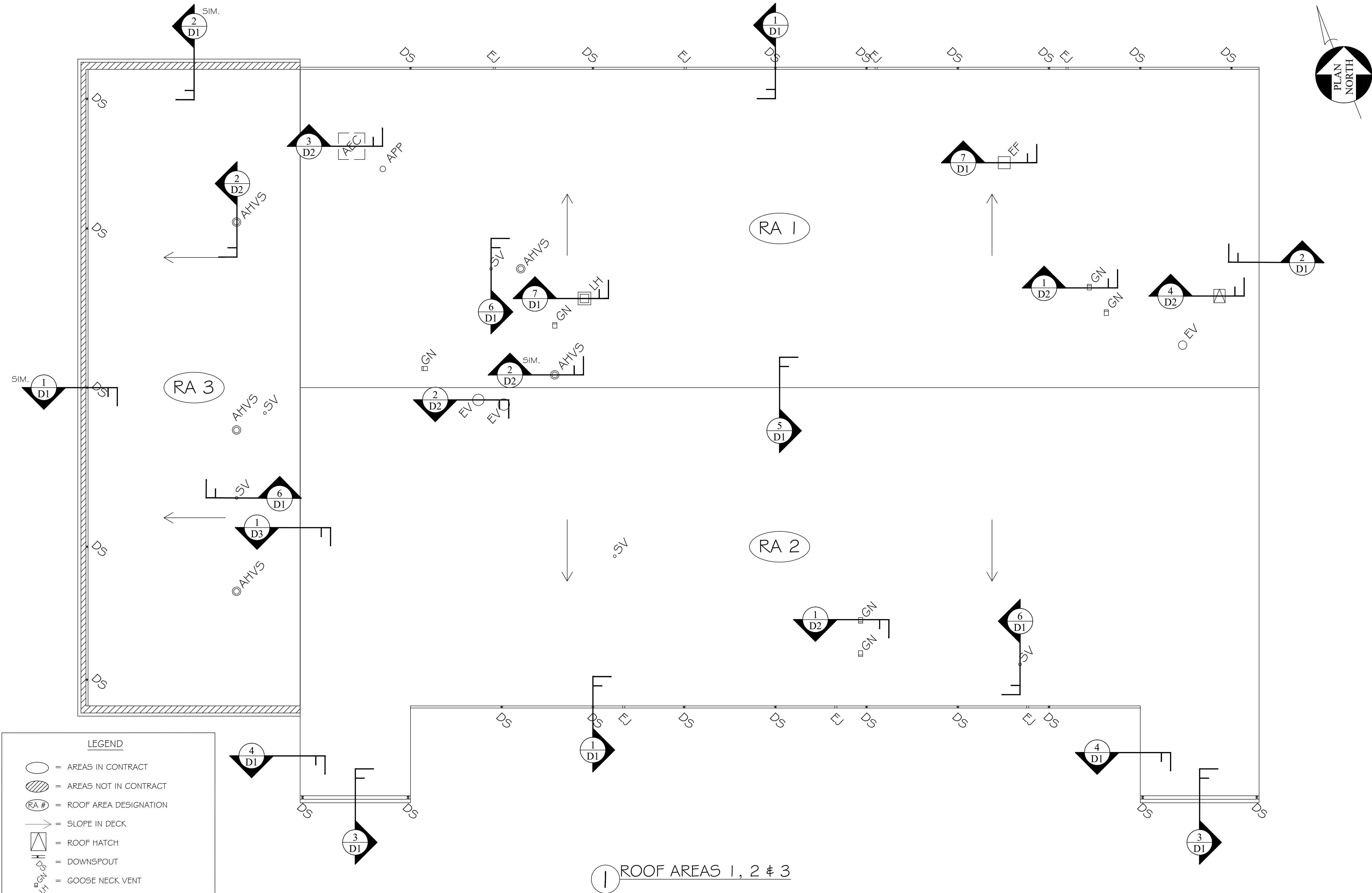
= HOT VENT STACK (TO BE REMOVED)

= SANITARY VENT

= ABANDONED EQUIPMENT CURB

= ABANDONED PIPE PENETRATION

= NEW EXHAUST FAN



REVISIONS

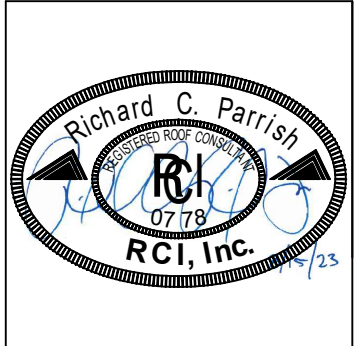
REVISION	DATE	APPROVED

PROJECT DESCRIPTION:

State Project No. H59-6196-PD-B

CLIENT NAME:

SPARTANBURG COMMUNITY COLLEGE



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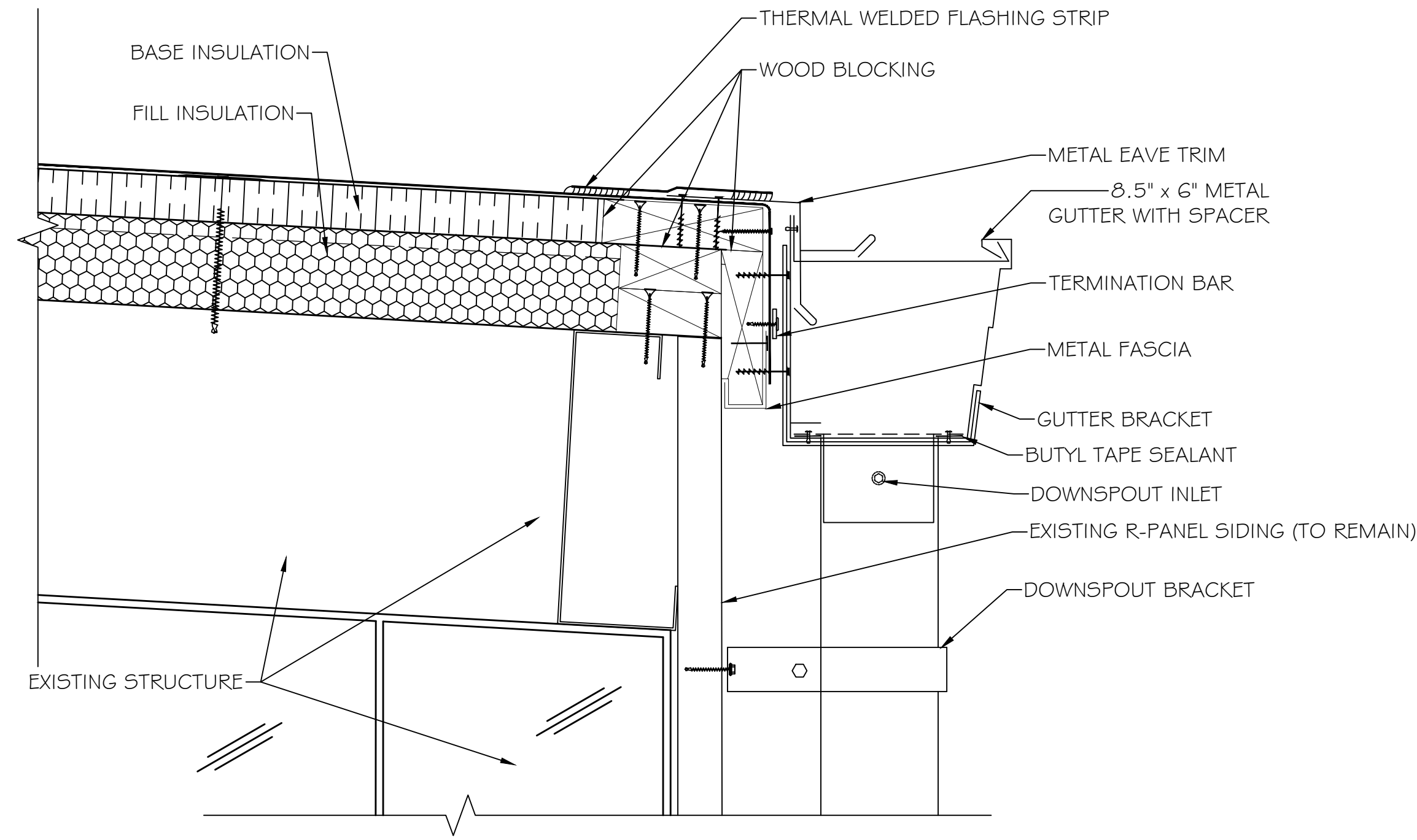
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SHEET

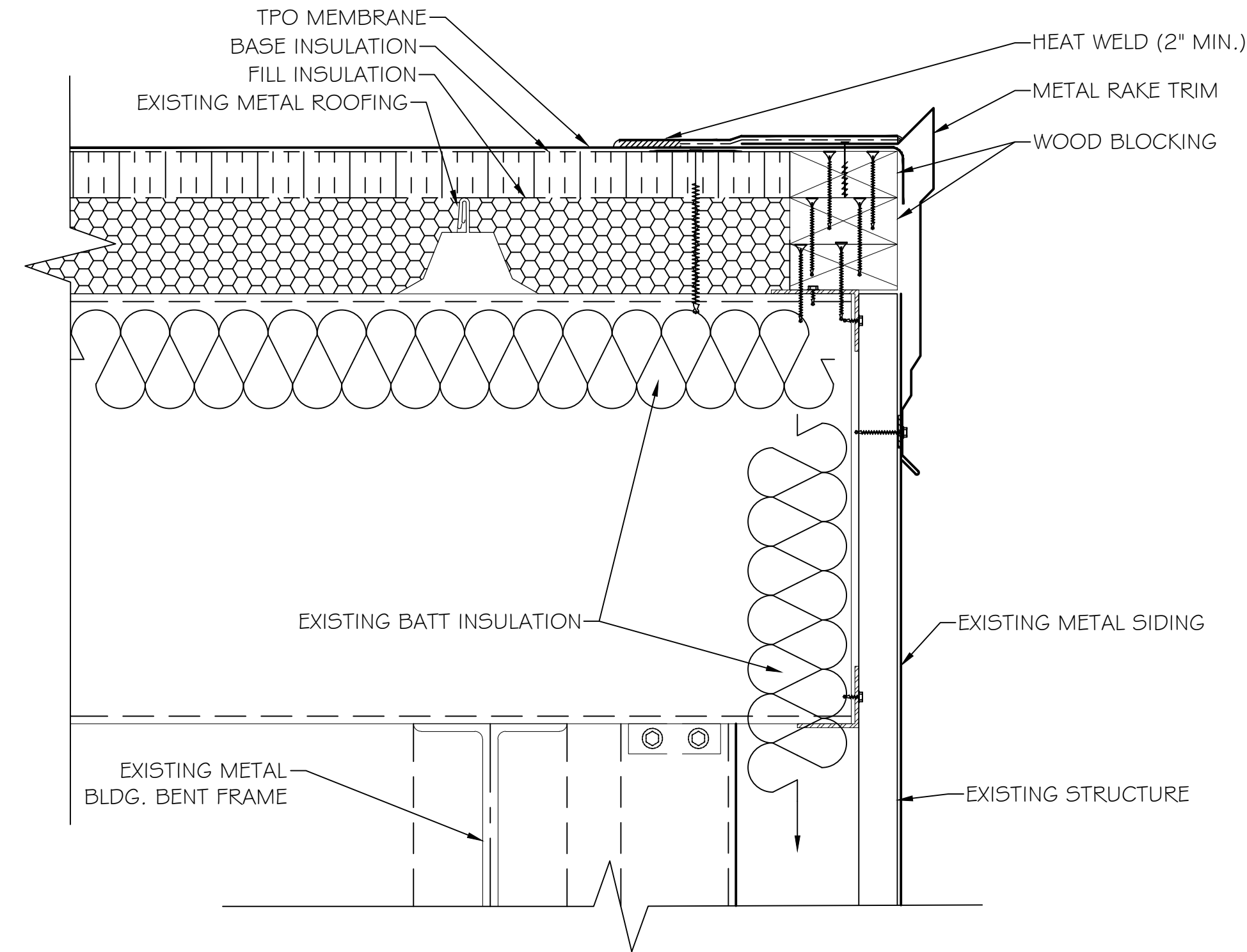
R1

Shepard & Associates, LLC

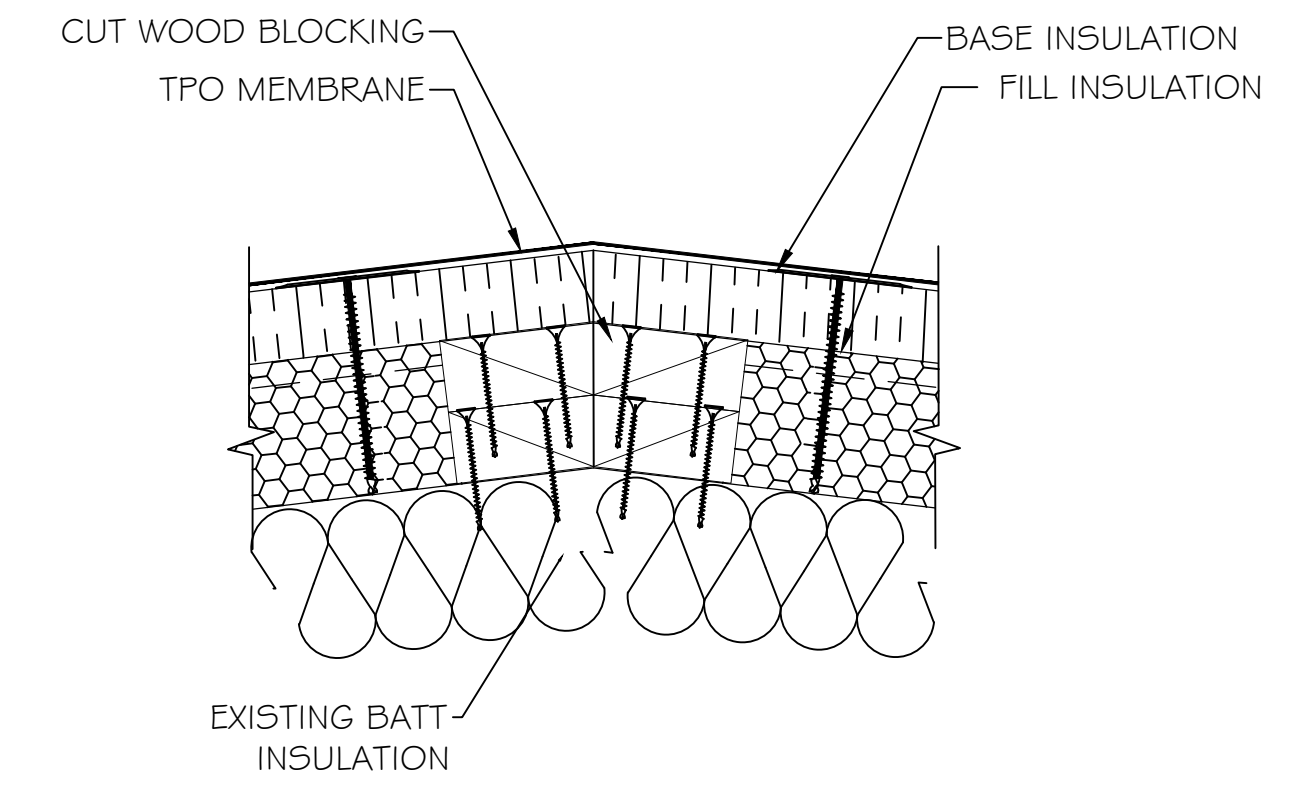
3547 Dreher Shoals Road, Suite 6
Irmo, South Carolina 29063
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Fax: (803) 407-8206



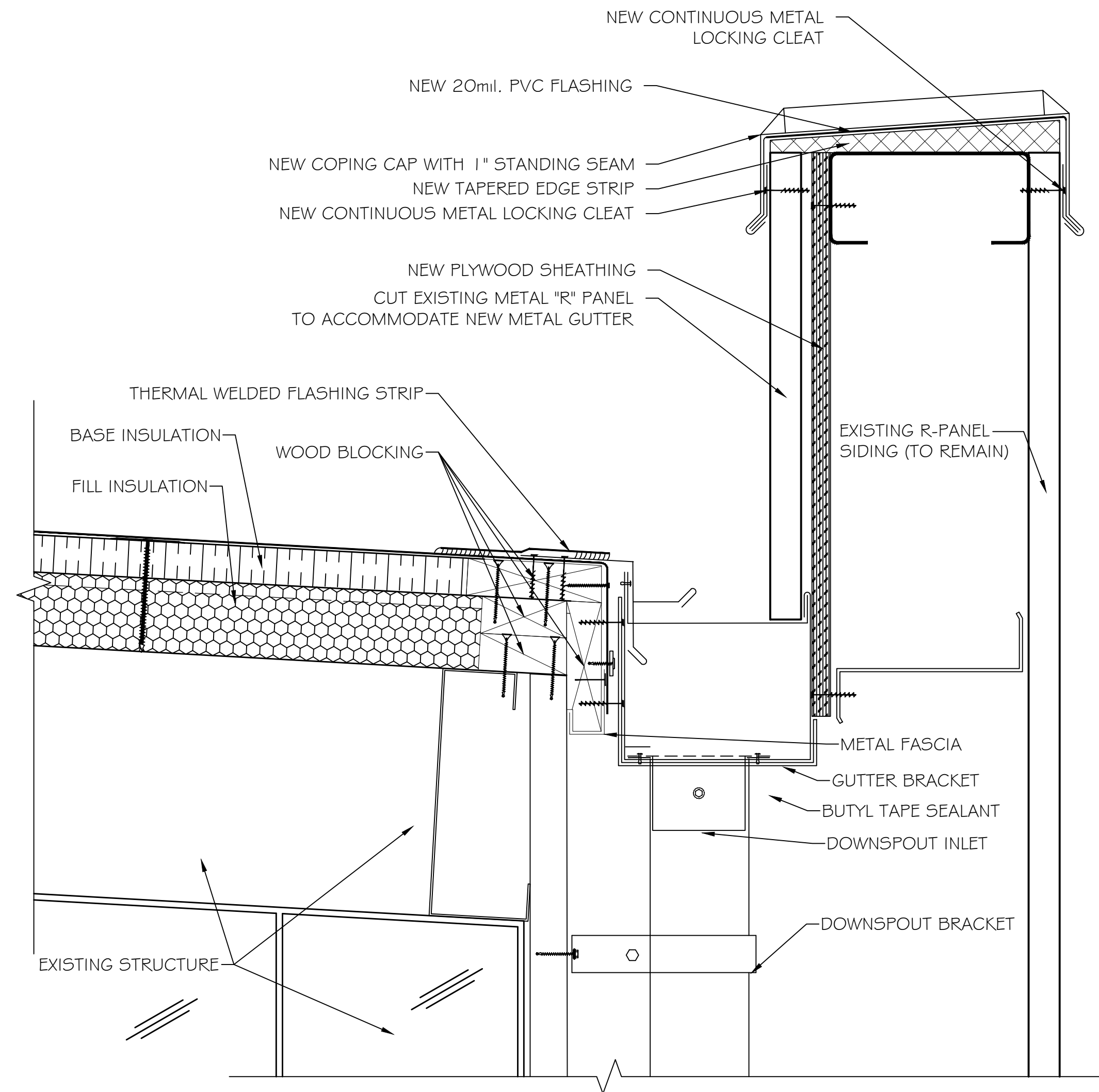
1 EAVE WITH GUTTER



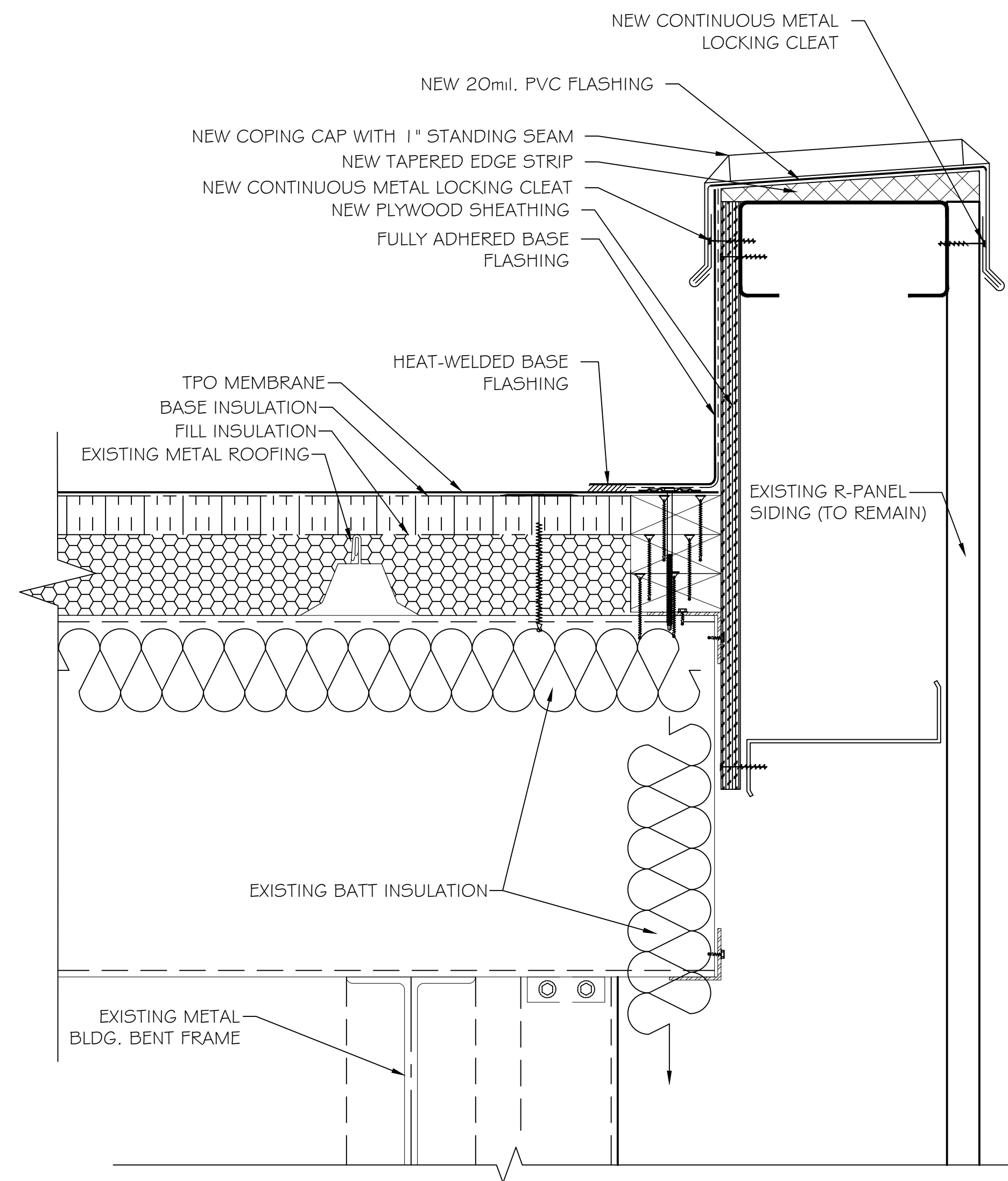
2 TYPICAL RAKE FLASHING



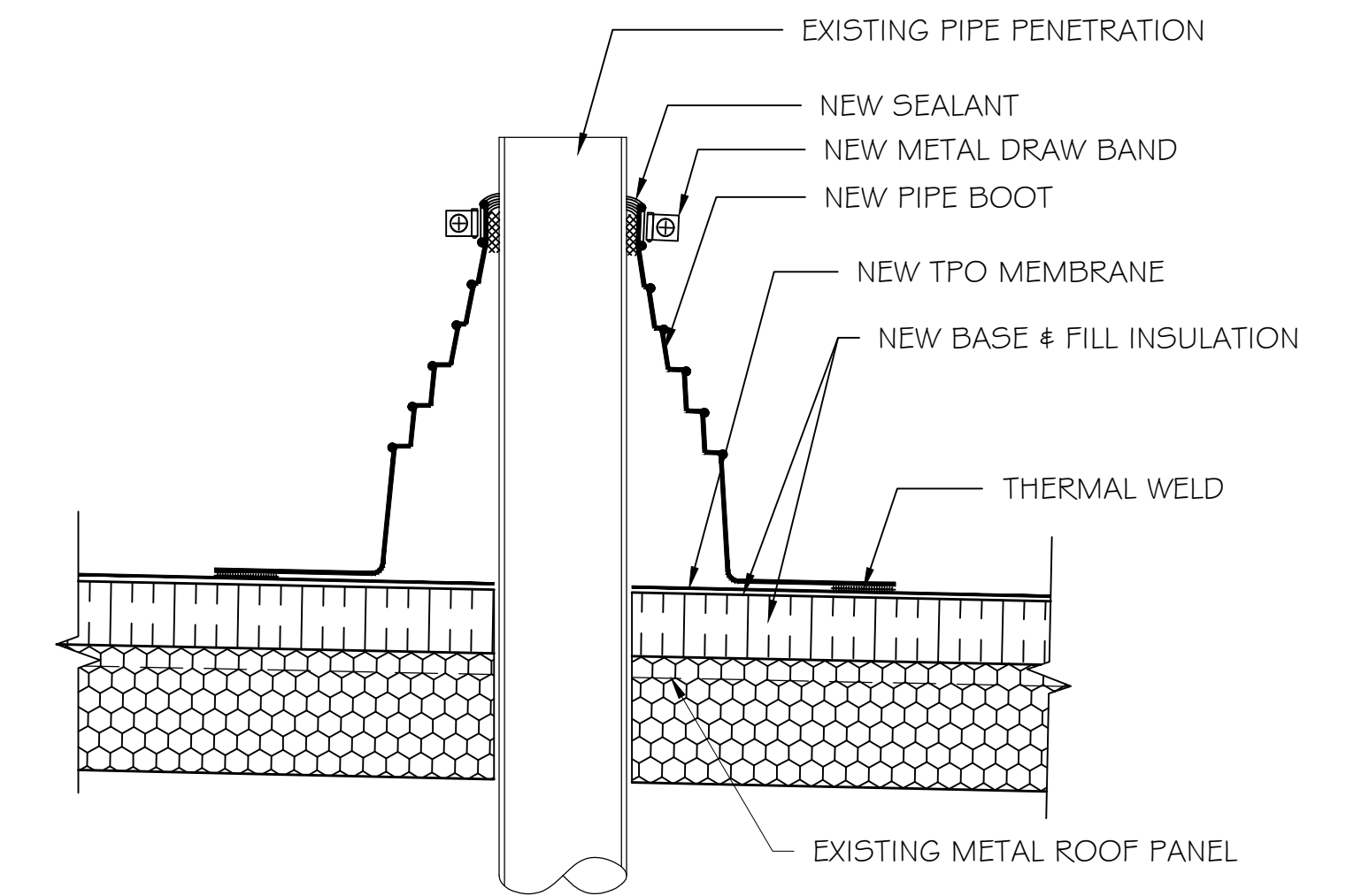
5 TYPICAL RIDGE



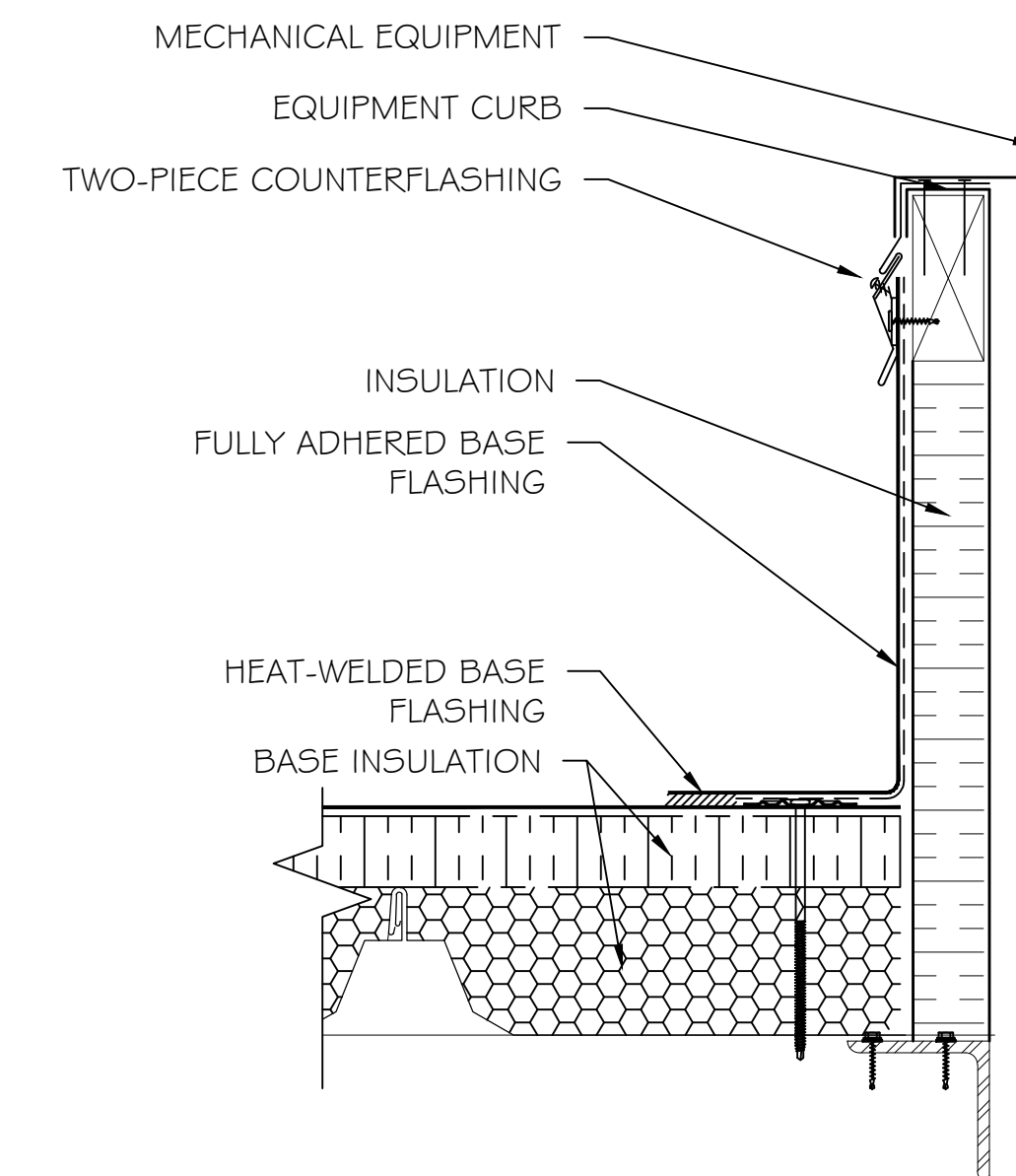
3 INTERNAL GUTTER AT PARAPET



4 RAKE FLASHING AT PARAPET

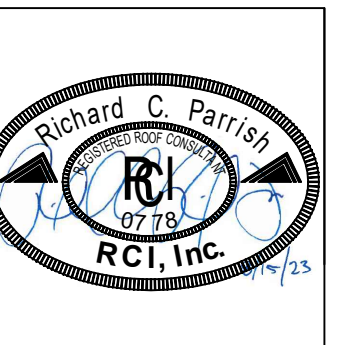


6 TYPICAL PIPE PENETRATION

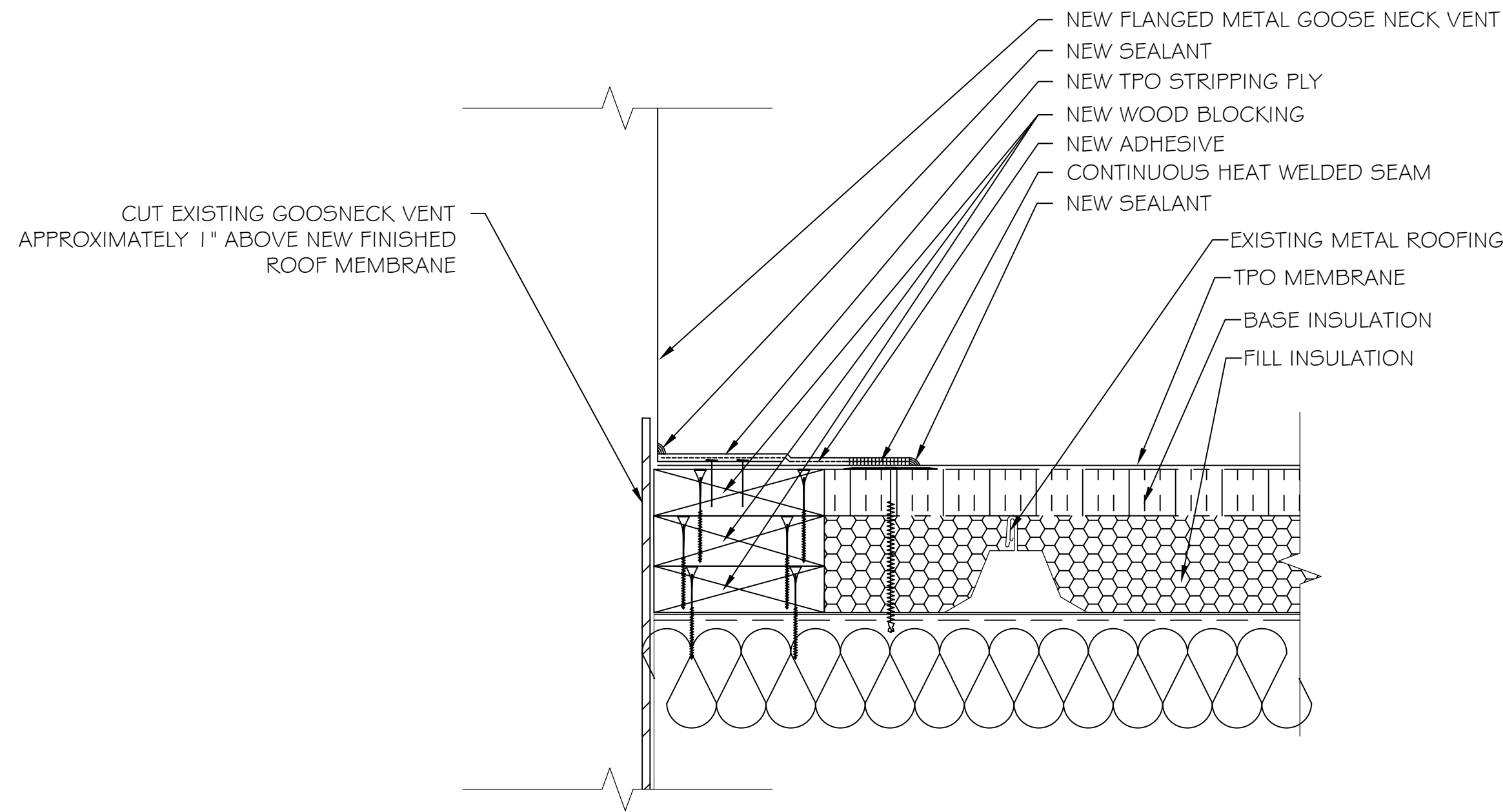


7 EQUIPMENT CURB DETAIL

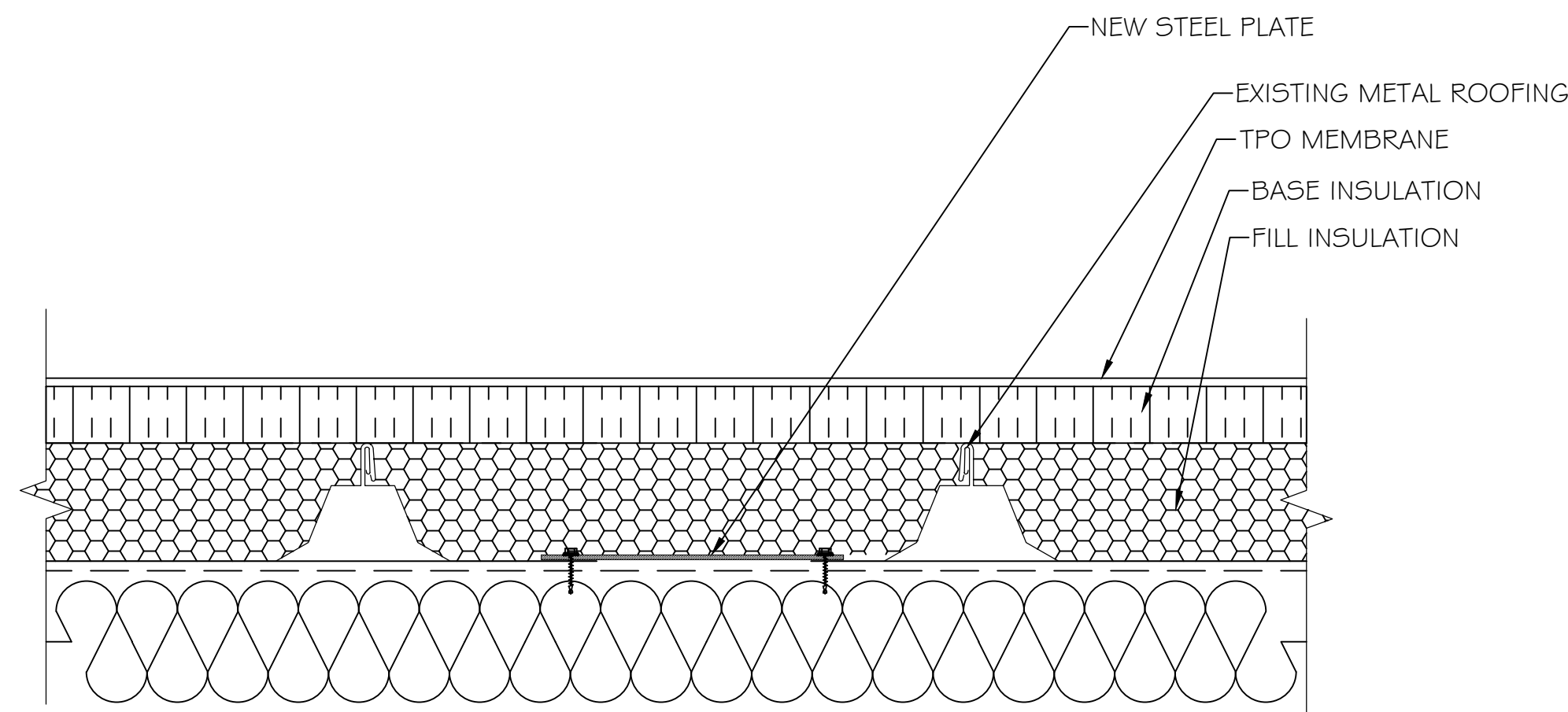
REVISIONS	REVISION	DATE	APPROVED



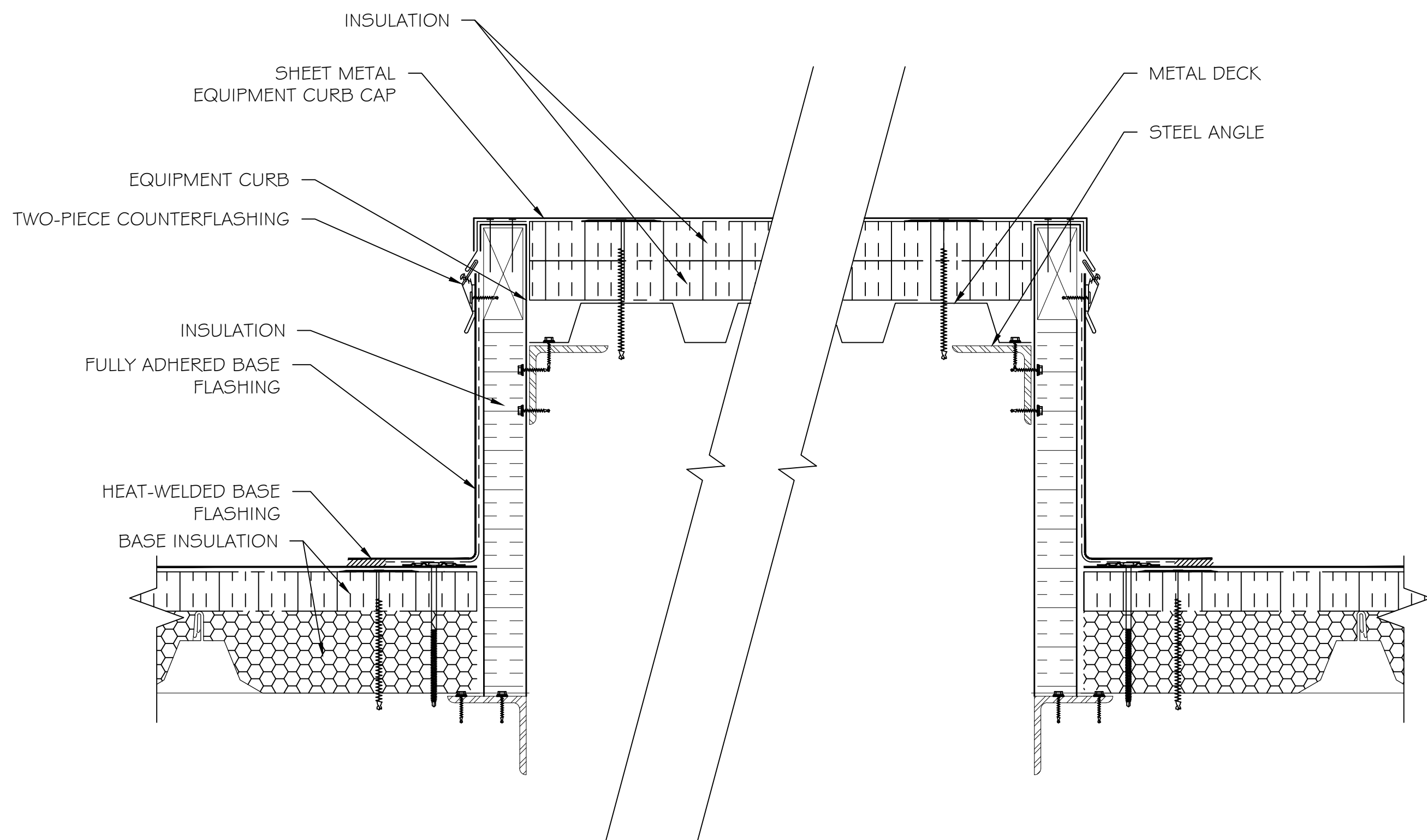
PF No. 15004.015.004
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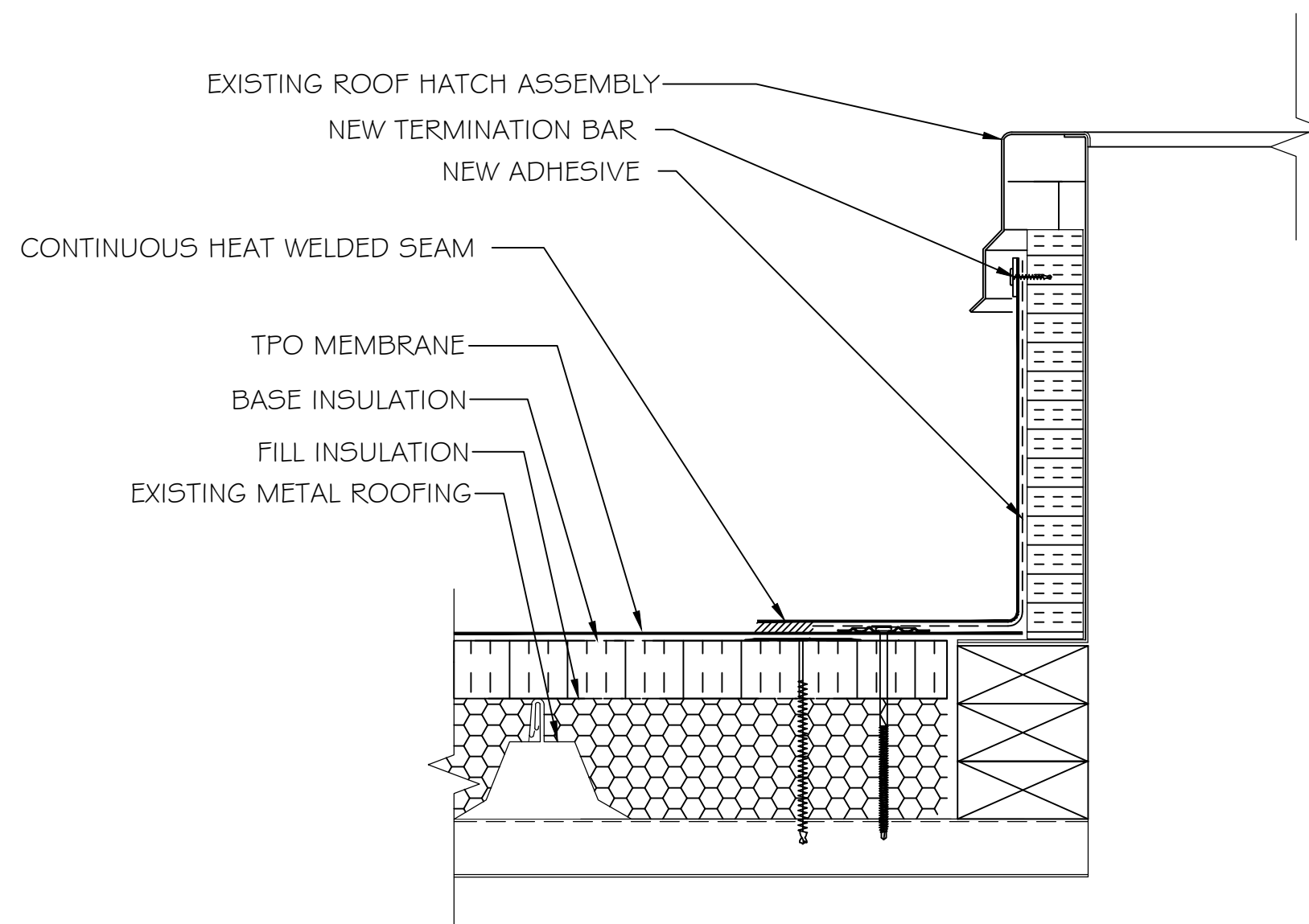
1 GOOSENECK VENT DETAIL



2 ABANDONED HOT VENT STACK DETAIL

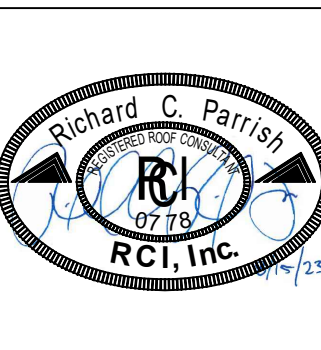


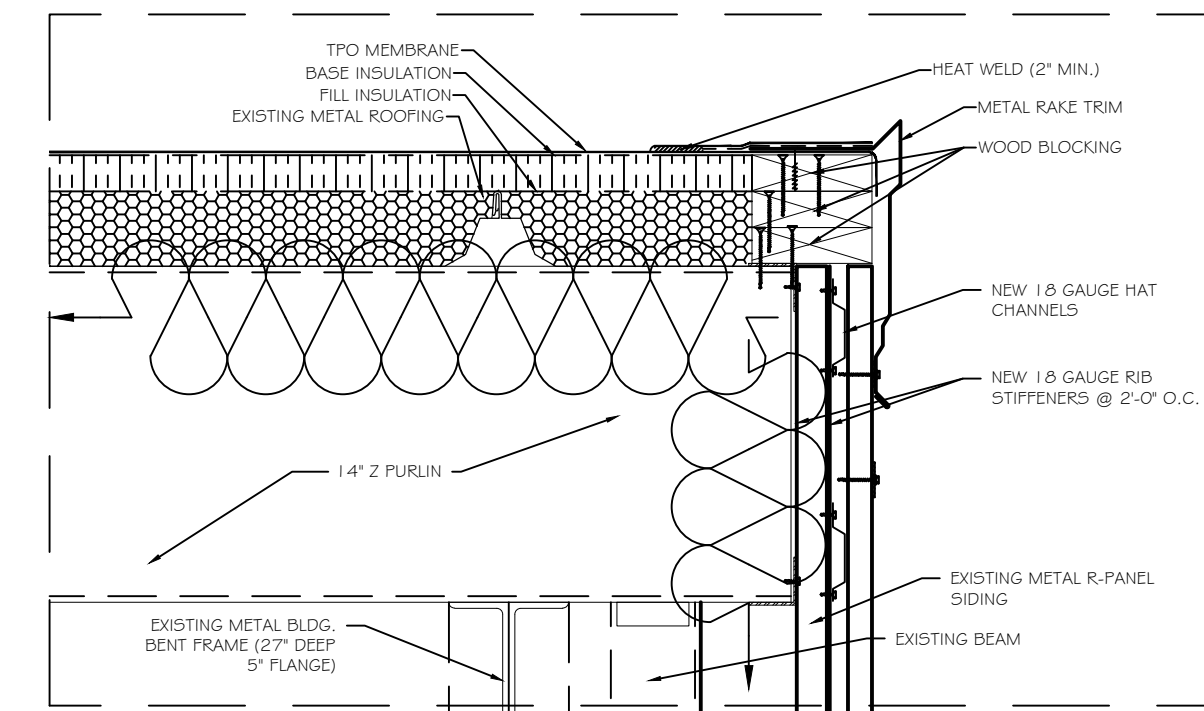
3 ABANDONED CURB CAP DETAIL



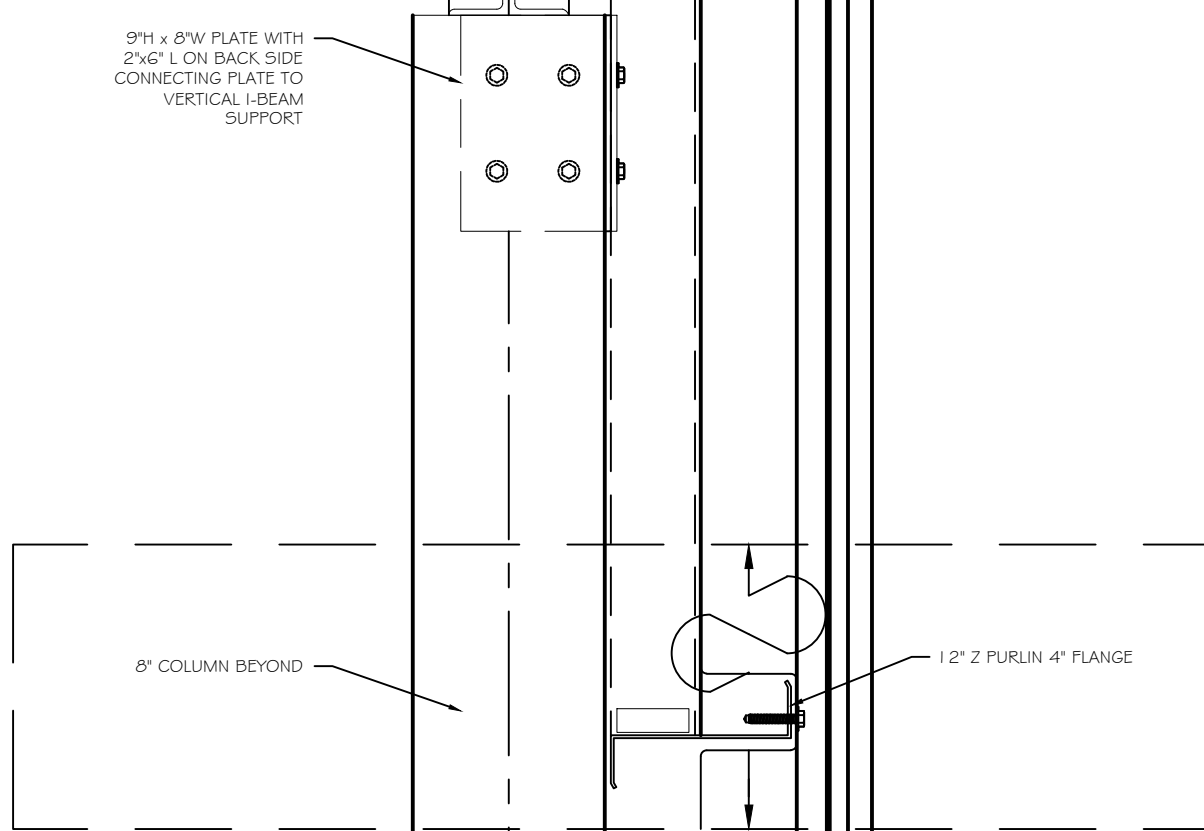
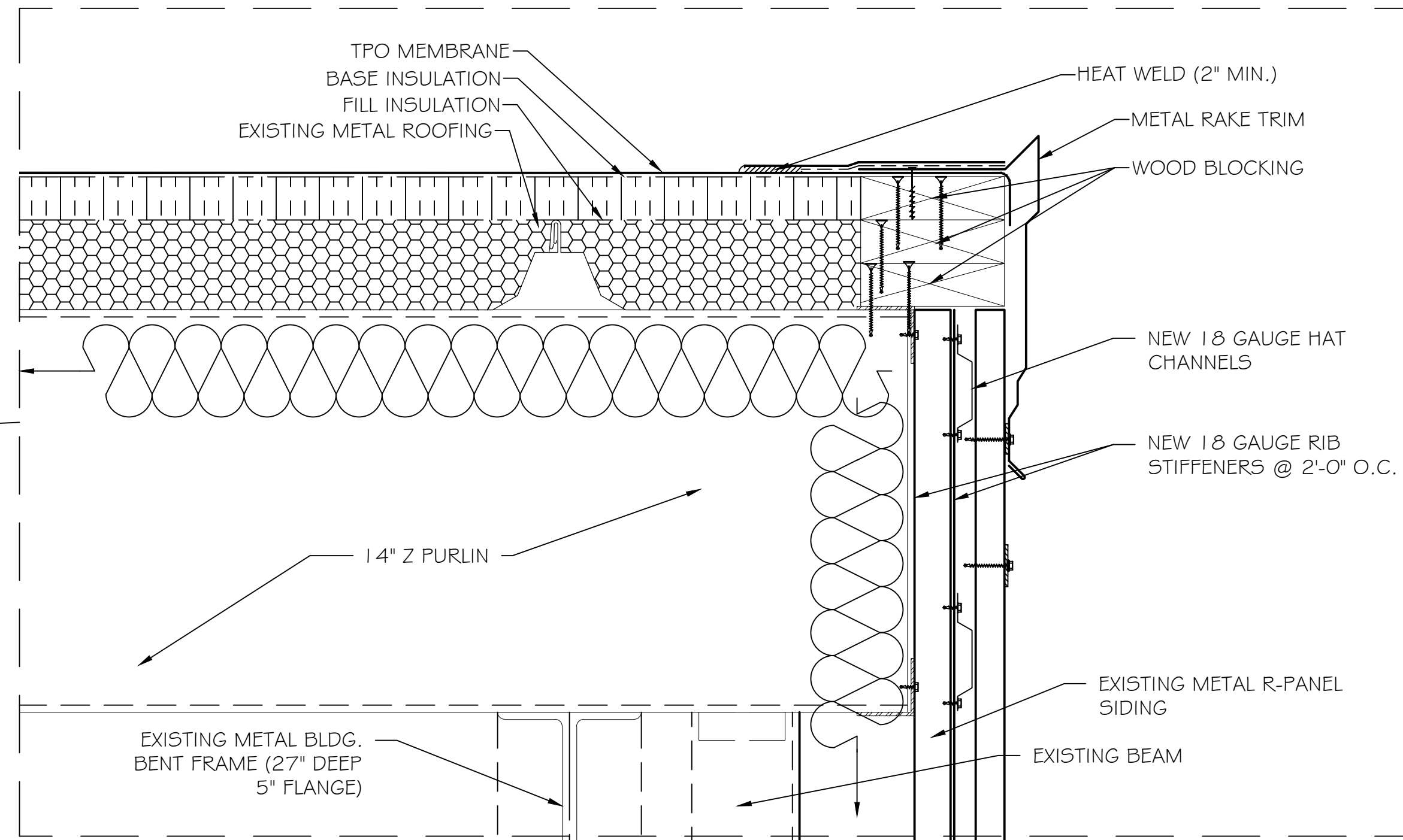
4 ROOF HATCH DETAIL

REVISION	DATE	APPROVED

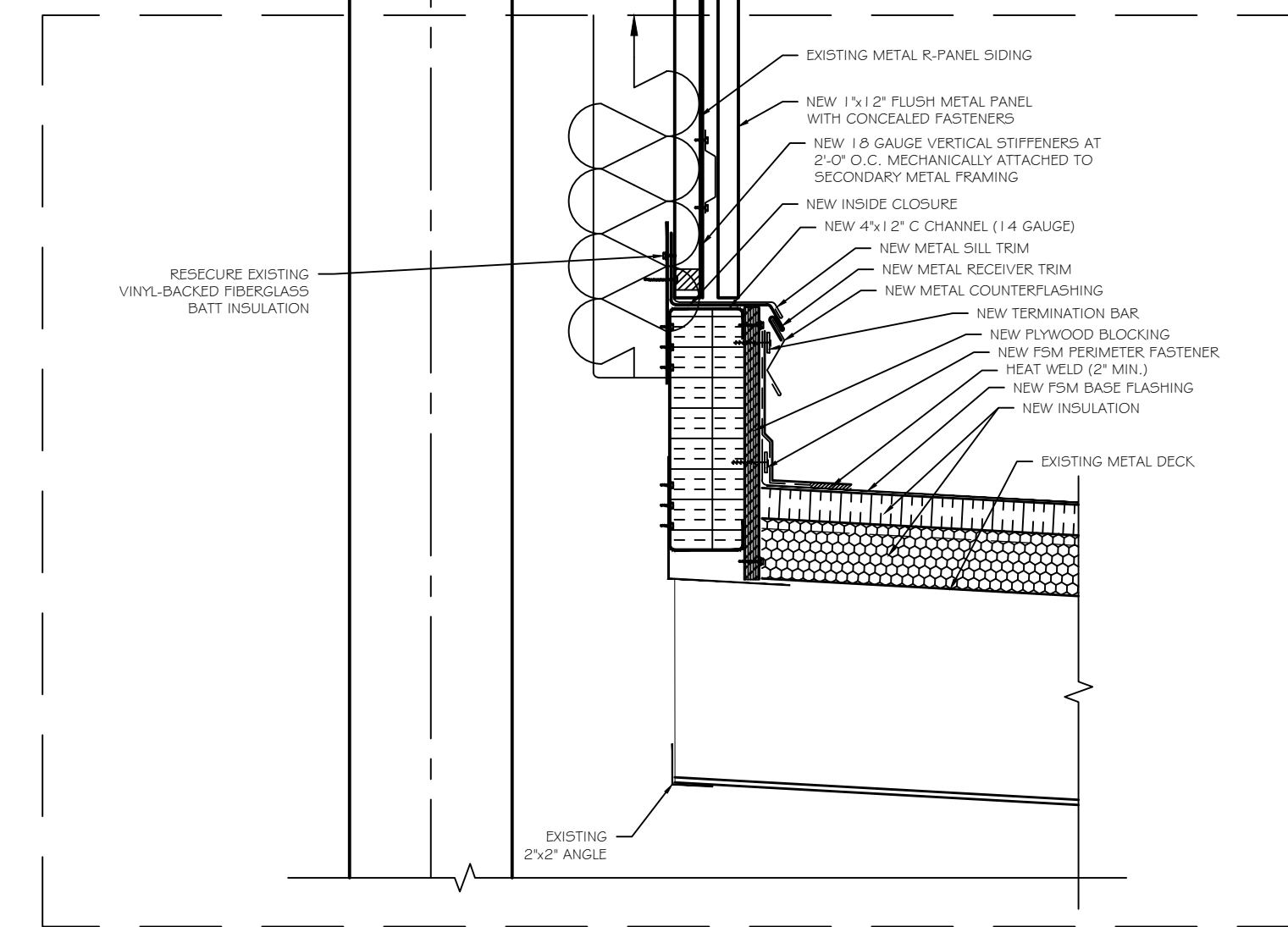
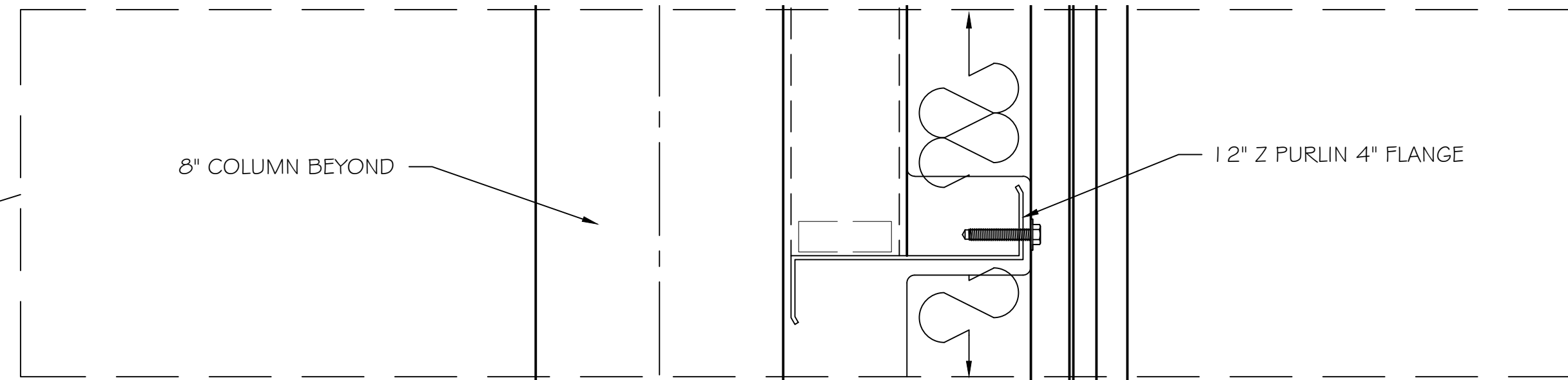




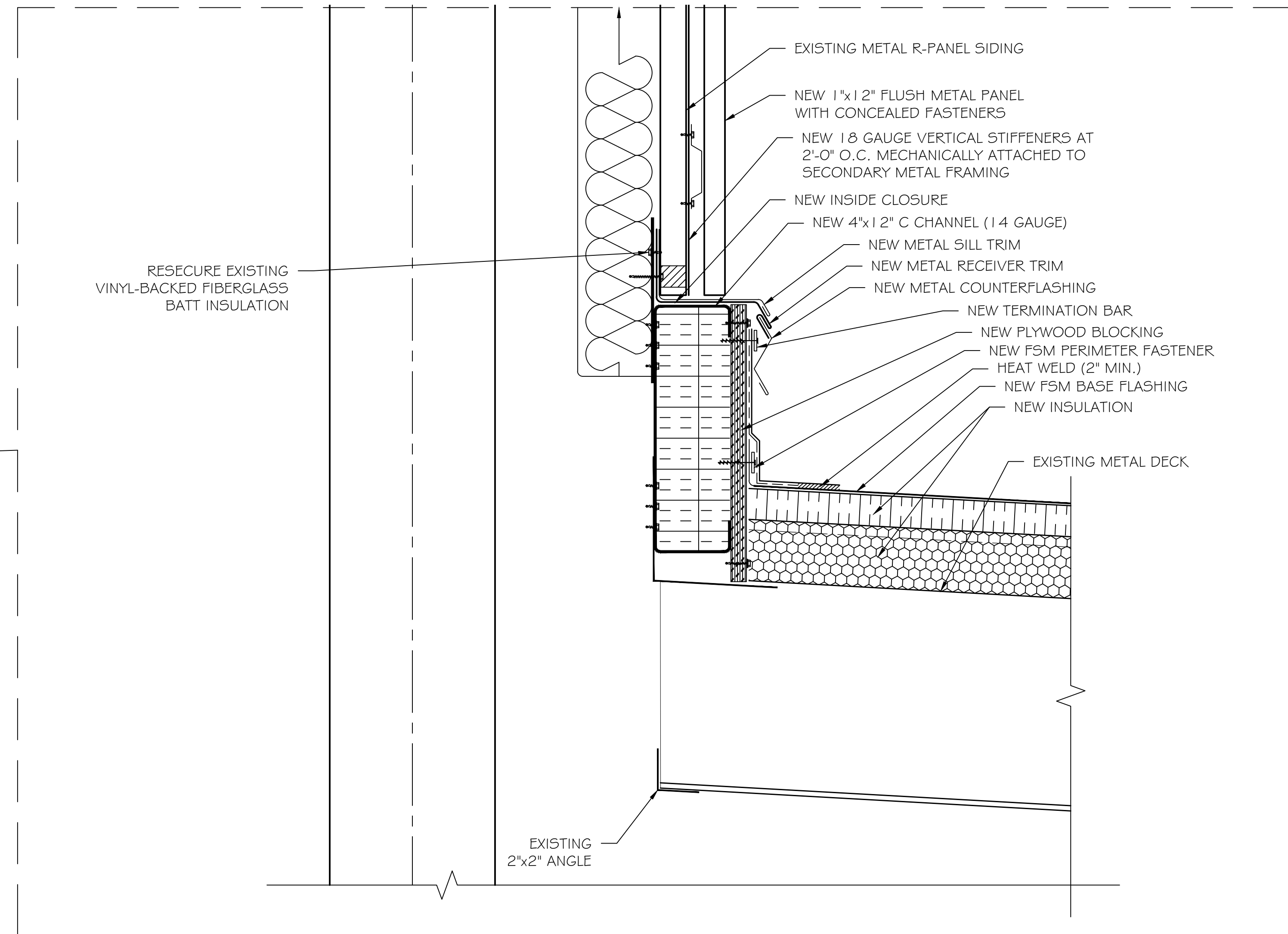
1a RAKE



1b GIRT



1c FLASHING



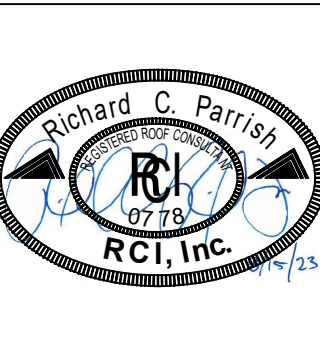
1 NEW WALL SECTION

DETAILS

SHEET TITLE: PROJECT DESCRIPTION: State Project No. H59-6196-PD-B
SCC - TYGER RIVER BMW BUILDING REROOFING PROJECT
CLIENT NAME: SPARTANBURG COMMUNITY COLLEGE

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SHEET

D3