



University of South Carolina
**RE-BID WARDLAW COLLEGE ROOF
 REPLACEMENT PROJECT**
STATE PROJECT No.: 50003317-2

Project Address
 820 SUMTER STREET
 COLUMBIA, SOUTH CAROLINA 29208

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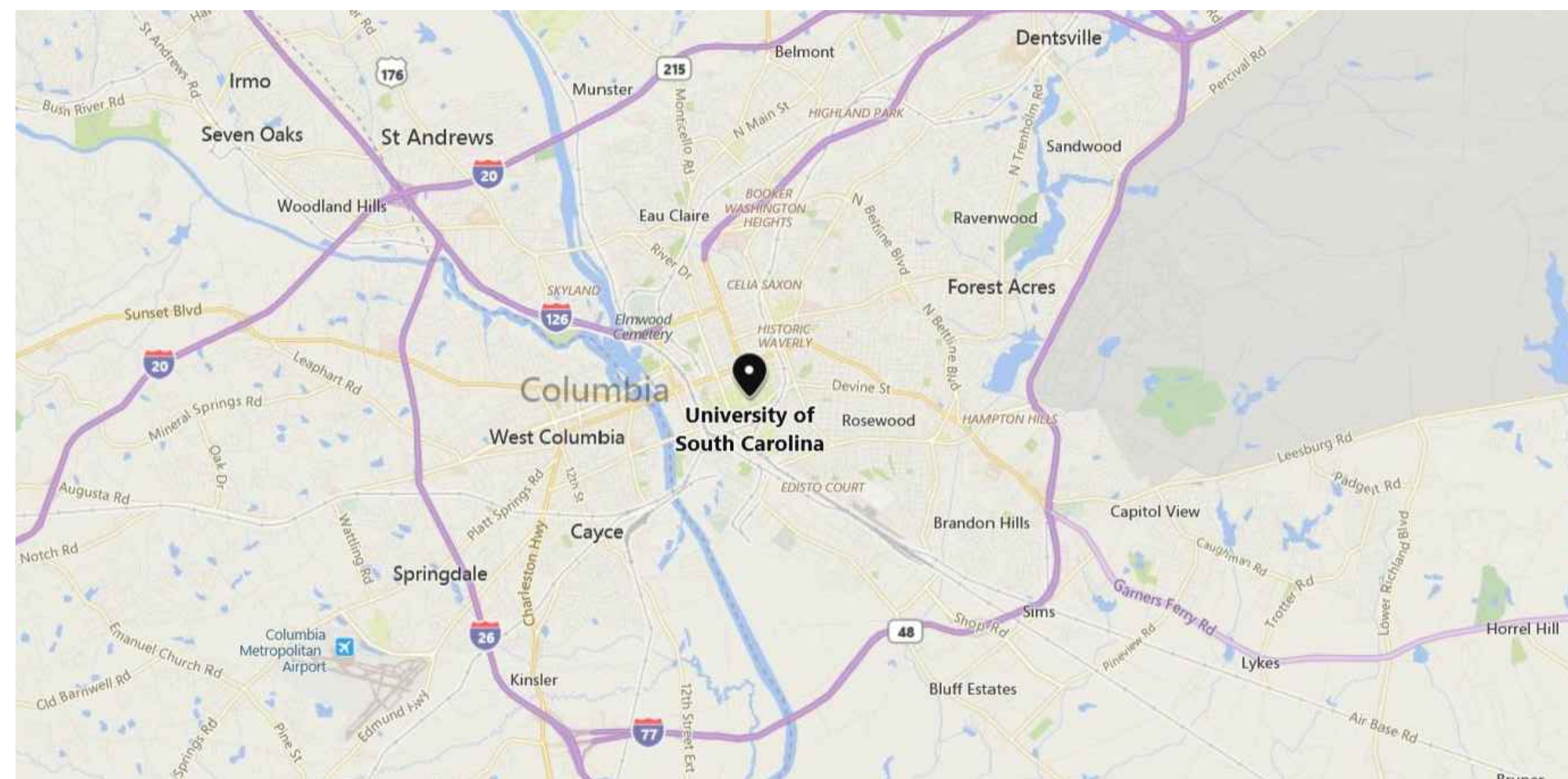


ENGINEER STATE LICENSE SEAL

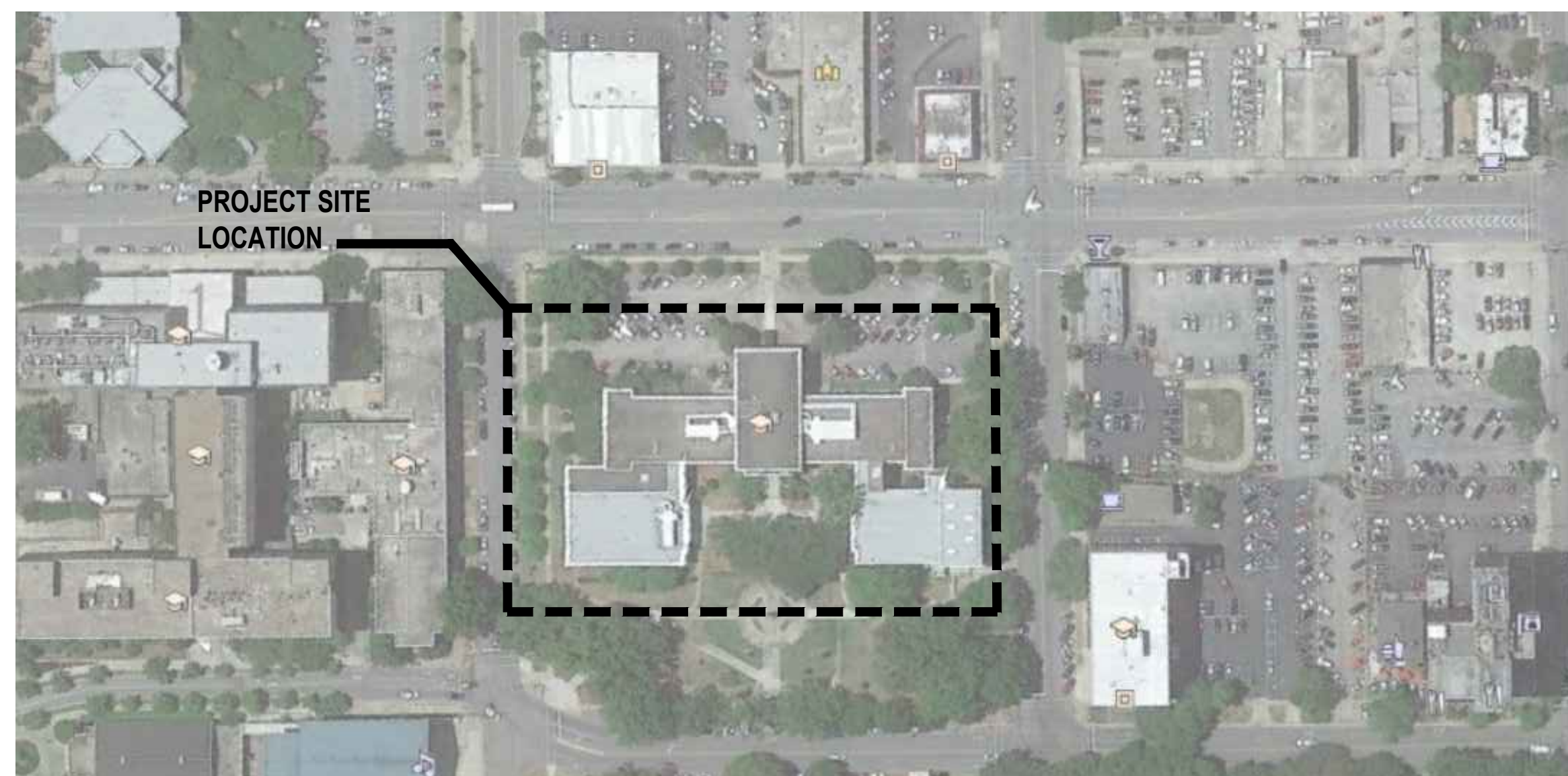
PROJECT NAME AND ADDRESS:

University of South Carolina
**RE-BID WARDLAW COLLEGE
 ROOF REPLACEMENT PROJECT**
STATE PROJECT No.: 50003317-2
 Project Address:
 820 South Main Street
 Columbia, South Carolina 29208

Project Location



VICINITY MAP

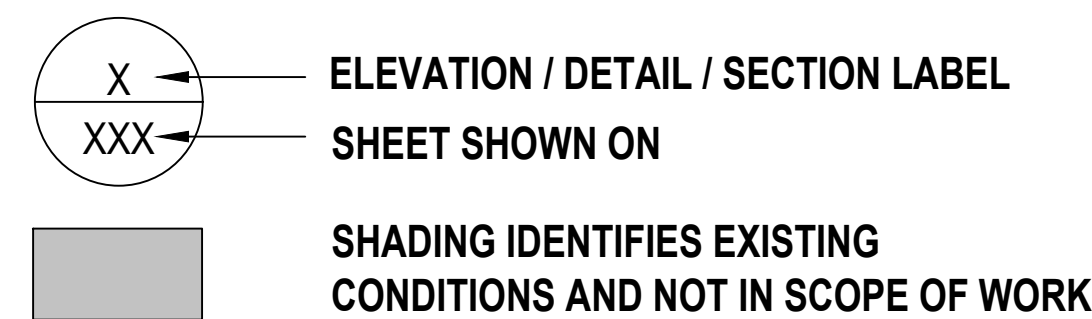


SITE LOCATION

Abbreviations

- MAX. MAXIMUM
 MIN. MINIMUM
 N.I.C NOT IN CONTRACT
 NTS NOT TO SCALE
 O.C. ON CENTER
 O.H OPPOSITE HAND
 TYP. TYPICAL
 SIM. SIMILAR

Details / Elevations / Sections Identifier



CLIENT

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ISSUE DATE:
01.28.2020

ISSUE FOR:
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ADDENDUM:
 No. DATE DESCRIPTION

PROJECT TEAM:
 DESIGNED BY:
SSS
 DRAWN BY:
EGM II
 APR REVIEWER:
LTH

TERRACON'S PROJECT NUMBER:
FH186084

TITLE SHEET:
COVER SHEET

SHEET NUMBER:



G-101

LEGEND

- TAPERED INSULATION
- TAPERED SLOPE DIRECTION
- STRUCTURAL SLOPE
- RD ○ ROOF DRAIN
- SV ○ SANITARY VENT
- ⊠ EQUIPMENT UNIT
- ▨ PARAPET WALL/CORNICE
- ELEVATED DUCT
- SCP = SCUPPER
- ⊠ SKYLIGHT
- EQUIPMENT SUPPORT
- ⊗ VENTILATOR
- ▭ COVERED CURB
- SLT ▽ SECURITY LIGHT
- EB □ ELECTRICAL BOX
- NOS = NEW OVERFLOW SCUPPER
- DS = GUTTER/DOWNSPOUT
- ▭ DUCT SUPPORT PEDESTAL
- DETAIL FLAG No. #
- ▭ NOT IN CONTRACT

CONSTRUCTION NOTES

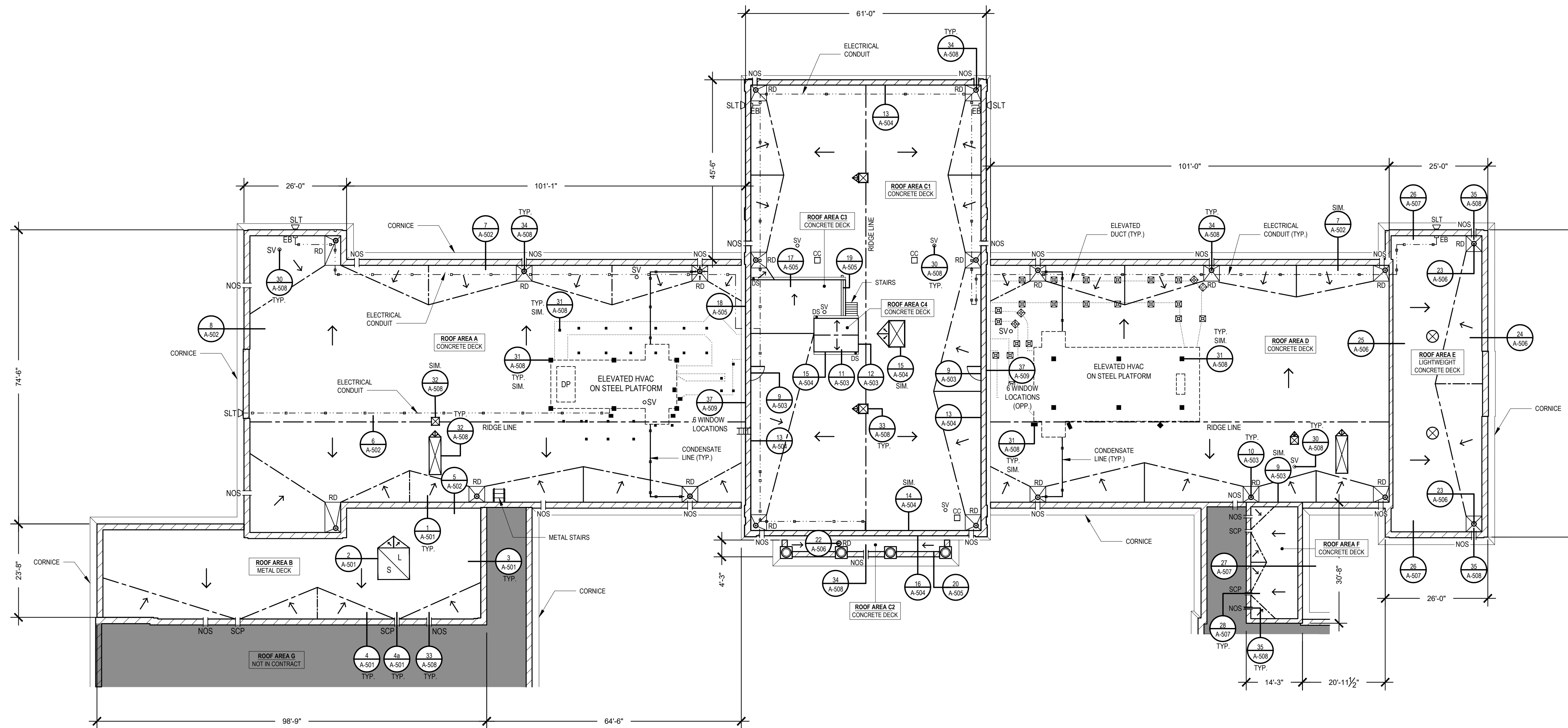
1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
2. ELECTRICAL CONDUITS, BOXES, OUTLET AND CABLES MAY REQUIRE POWER TO BE DISCONNECTED PRIOR TO PERFORMING THE WORK. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO REMOVAL.
3. ABANDONED EQUIPMENT TRUSSES AND POURABLE SEALER SHOULD BE REMOVED AND DISCARDED.
4. RAISE ALL CURBS TO ACHIEVE AN 8" MINIMUM FLASHING HEIGHT.
5. CLEAN, PRIME AND PAINT BIRD HOUSES AT ROOF AREAS A, C AND D.
6. STAIRS AT ROOF AREA C3 WILL NEED TO BE REMOVED AND REINSTALLED ONCE NEW ROOF INSTALLATION IS COMPLETED.
7. ALL EQUIPMENT SUPPORTS AND PIPE PENETRATIONS ARE TO BE LIQUID FLASHED.
8. EXISTING DRAIN INSERTS WILL NEED TO BE REMOVED AT ALL DRAINS TO ALLOW FOR NEW RETRO-FIT INSERT.
9. MECHANICAL UNIT STRUTS THAT ARE ATTACHED TO PARAPET WALL WILL NEED TO BE REMOVED, STORED AND REINSTALLED ONCE NEW ROOFING IS COMPLETED. STRUTS TO BE FLASHED WITH NEW LIQUID APPLIED FLASHING.
10. NEW CONCRETE PAD AND DOORS TO BE INSTALLED AT ROOF AREAS A AND D.
11. BASE FLASHING HEIGHTS WILL VARY AT SECTIONS WHERE WALL METAL PANELS ARE TO HAVE CONSISTENT HEIGHT.
12. ROOF AREA C2 WILL NEED CONCRETE REPAIR WORK AT WALLS TO COMPLETE NEW ROOFING INSTALLATION.
13. PULL TEST AT LIGHTWEIGHT CONCRETE DECK SHOULD BE CONDUCTED PRIOR TO NEW ROOFING INSTALLATION.
14. CRICKETS SHOULD BE INSTALLED AT ALL CURBS THAT EXCEED 24" INCHES IN WIDTH.
15. CONTRACTOR TO REMOVE AND INSTALL NEW COPING CAP AT ROOF AREA G TO ACCOMMODATE NEW PARAPET WALL HEIGHT AT ROOF AREA B.

**ALTERNATE No.1:
(TYPICAL ON ALL SHEETS)**

1. INSTALL ROOFING SYSTEM UTILIZING ADHESIVE, AND COLD APPLIED - ADHESIVE IN LIEU OF HOT-APPLIED ASPHALT.

BASE BID:

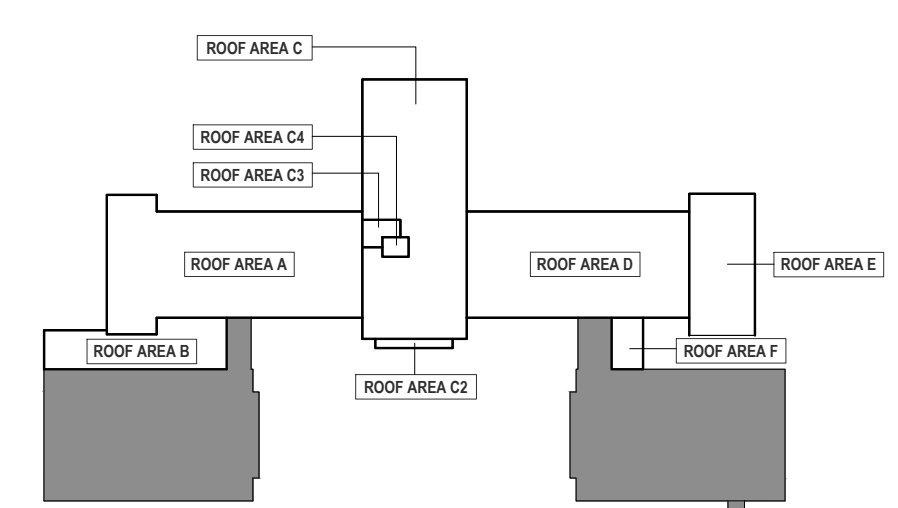
1. RE-ROOFING OF ROOF AREAS A, B, C1, C2, C3, C4, D, E AND F
 - a. LOW SLOPE ROOF AREAS TO RECEIVE NEW TWO-PLY MODIFIED BITUMEN ROOFING SYSTEM.
 - b. ROOF AREA C2 TO RECEIVE LIQUID PMMA ROOFING SYSTEM.
2. COATING OF VENTS (BIRDHOUSES) AT ROOF AREAS A, C, AND D.
3. WALL PANEL INSTALLATION AT AREAS A, C, D, AND E.
4. SEALANT INSTALLATION AT WINDOW PERIMETER.
5. MISCELLANEOUS WORK INCLUDES, BUT IS NOT LIMITED TO, THE INSTALLATION OF EDGE METAL, COPING, NEW OVERFLOW SCUPPERS, RETROFIT ROOF DRAINS, GUTTERS, DOORS, DOWNSPOUTS, AND FLASHING.
6. REMOVE AND REPLACE STUCCO (TO MATCH EXISTING) AT ROOF AREA F.

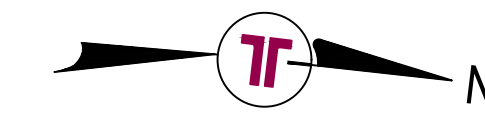
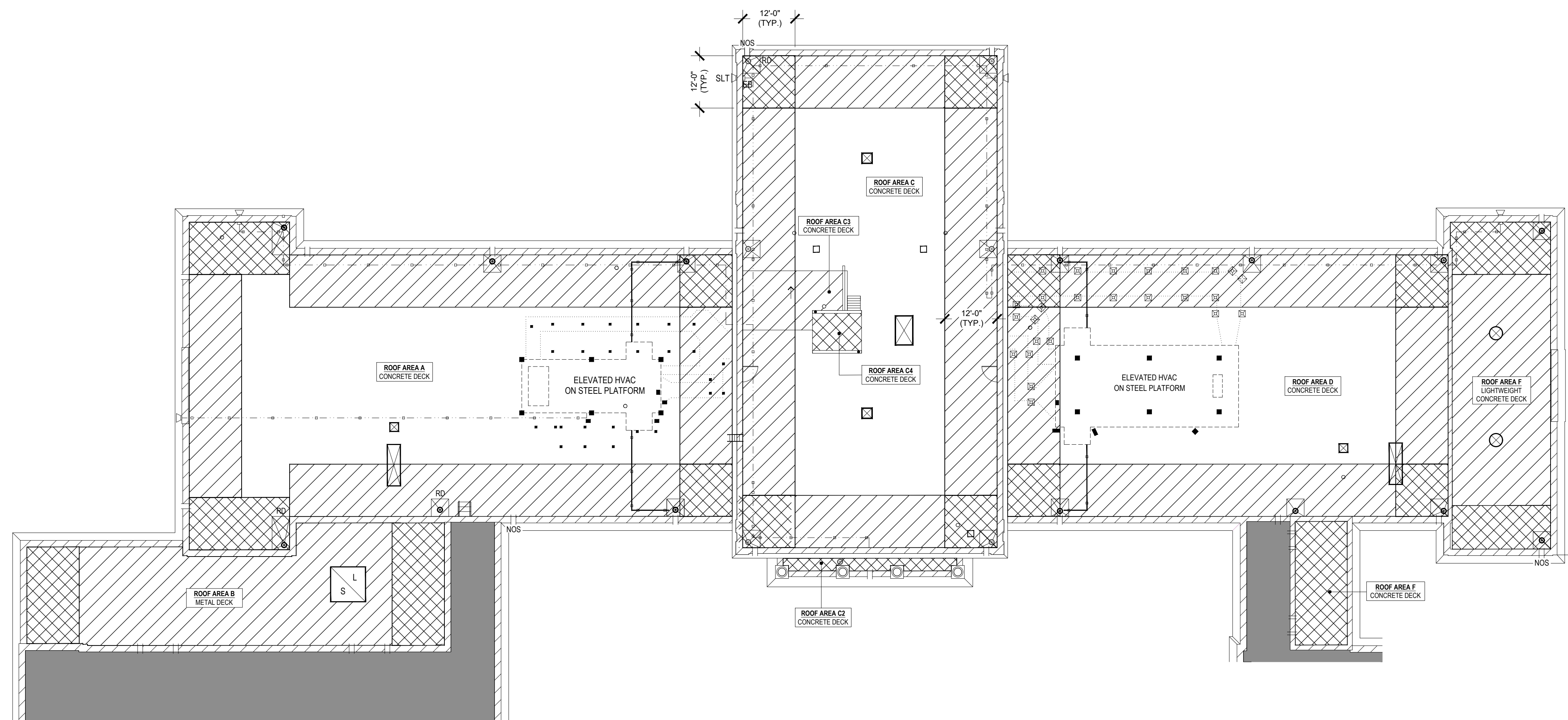


1 WARDLAW COLLEGE ROOF PLAN
SCALE: 1/16" = 1'-0"

KEY PLAN

- SCOPE OF WORK
- ▭ NOT IN SCOPE OF WORK

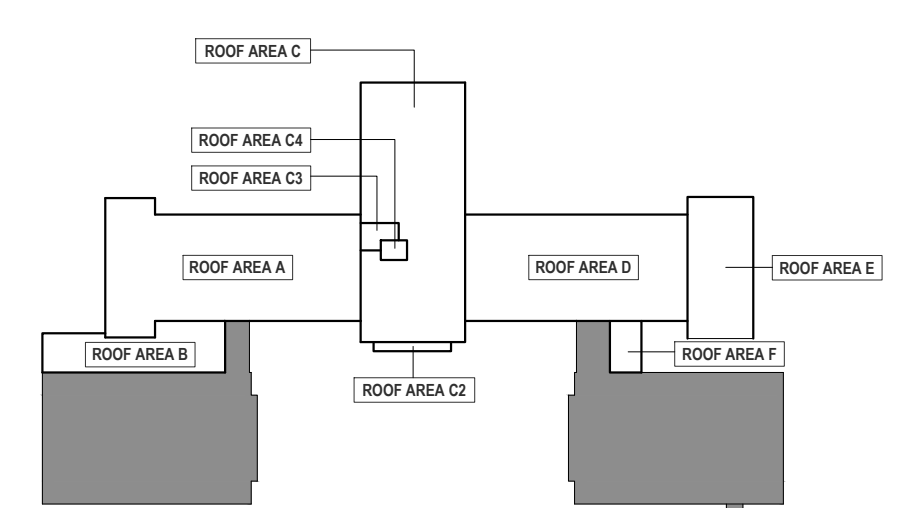




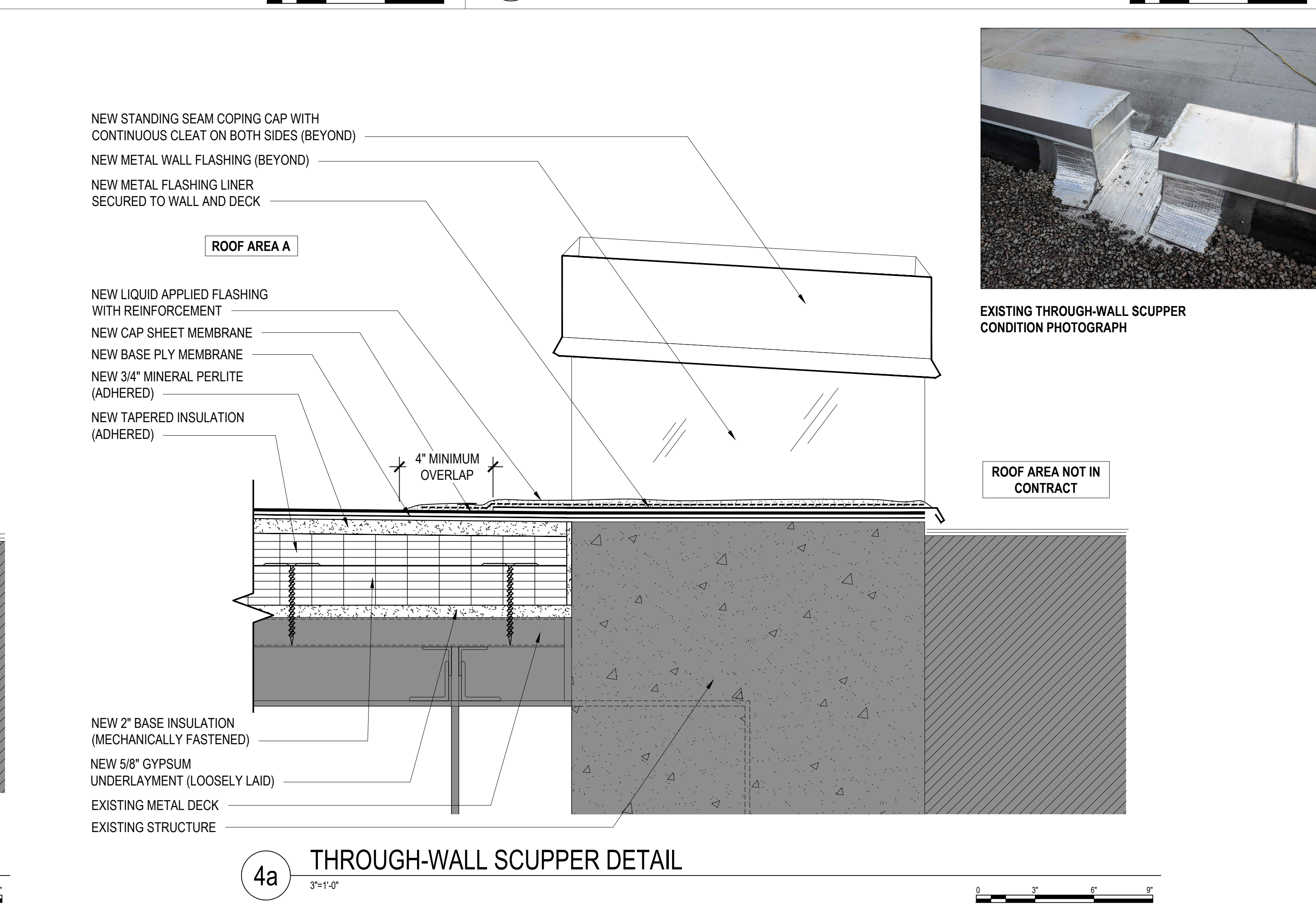
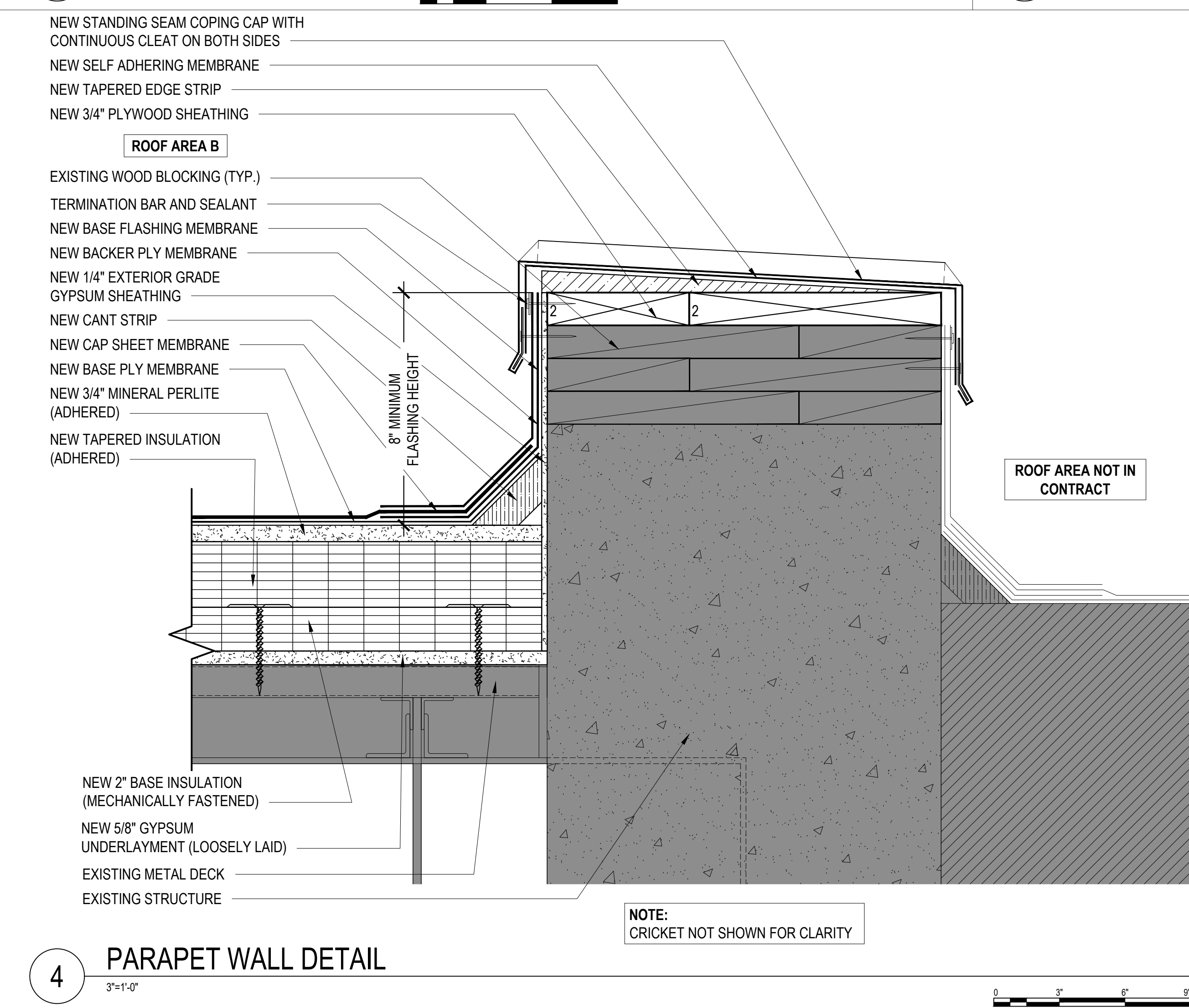
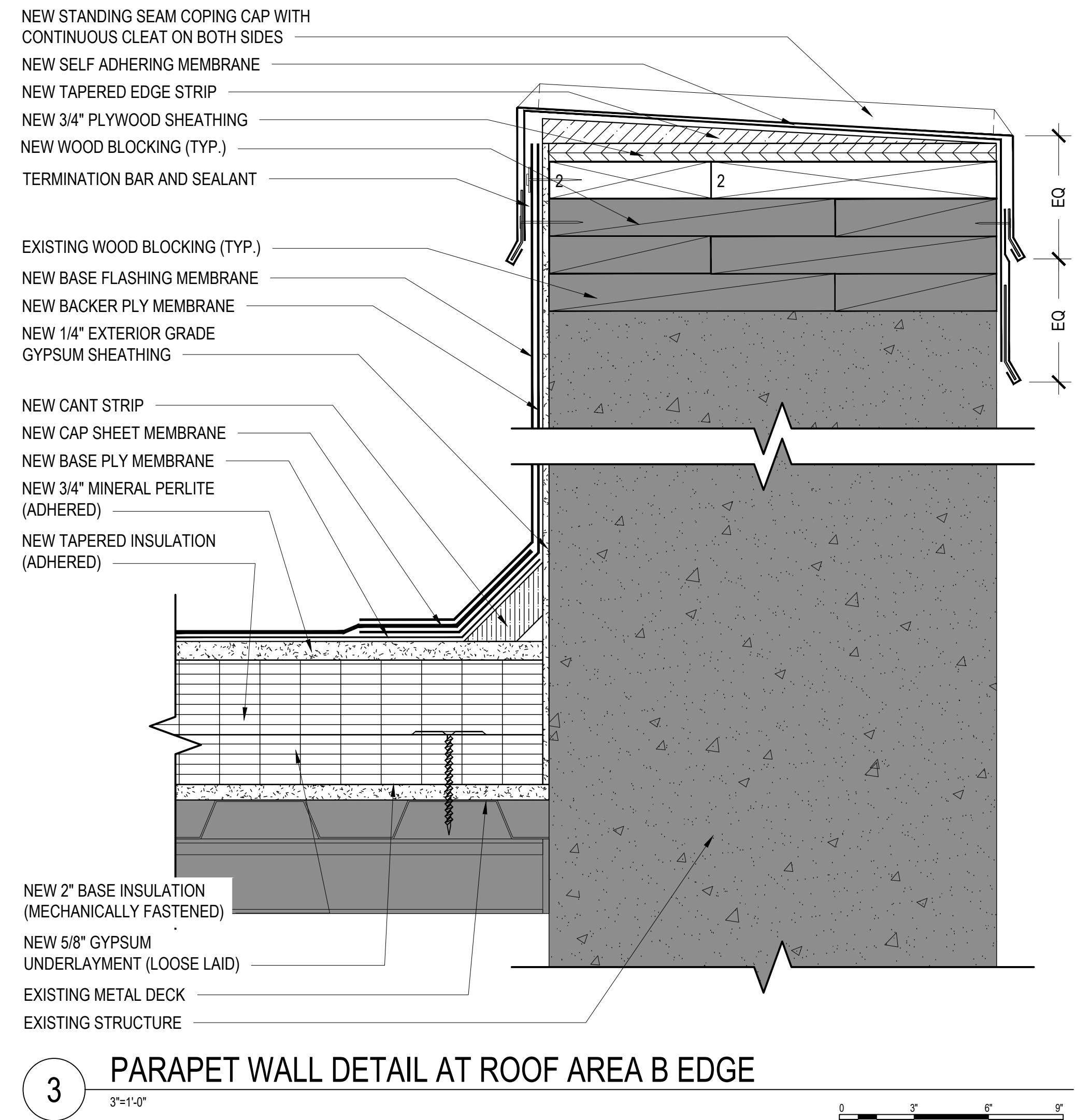
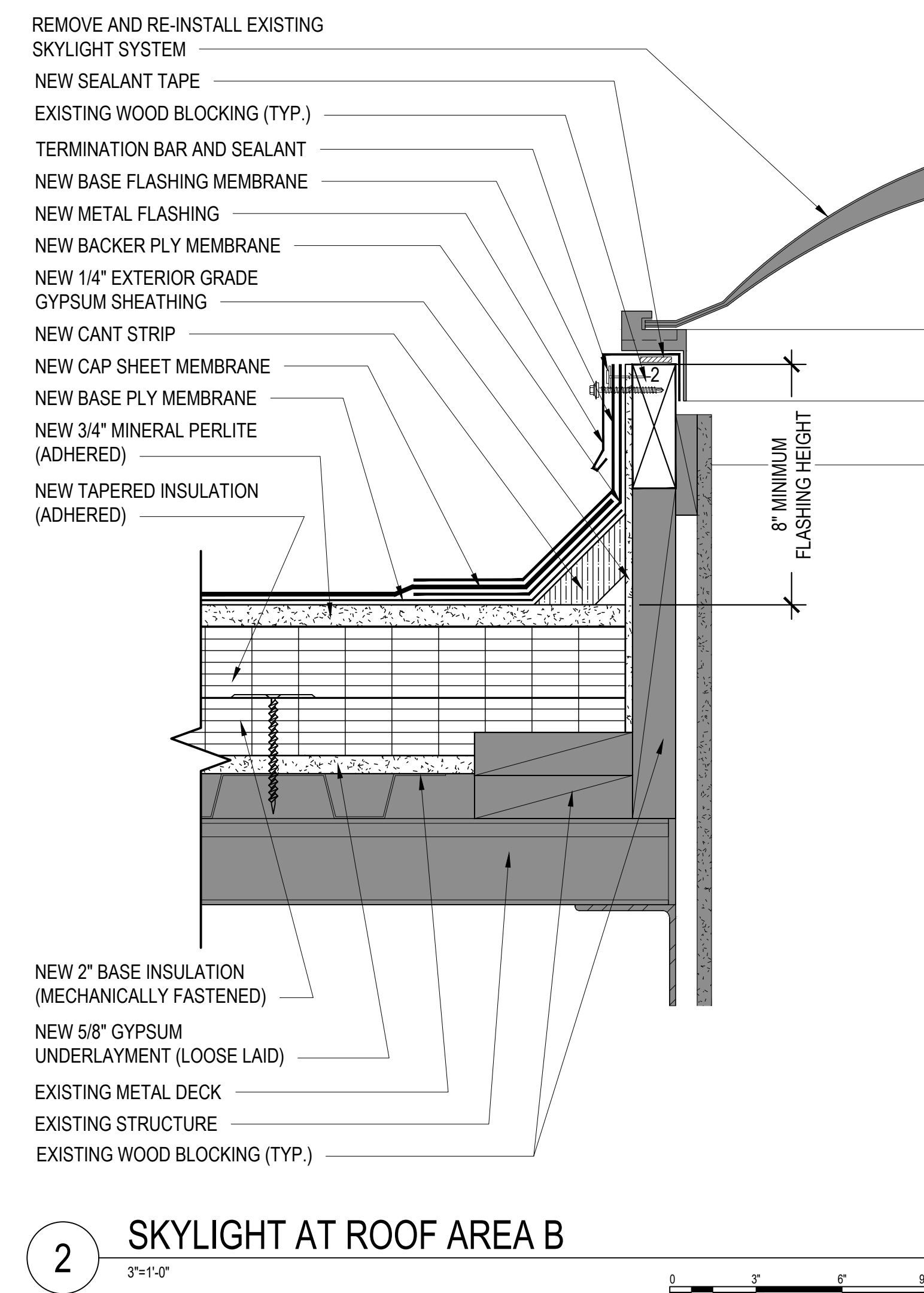
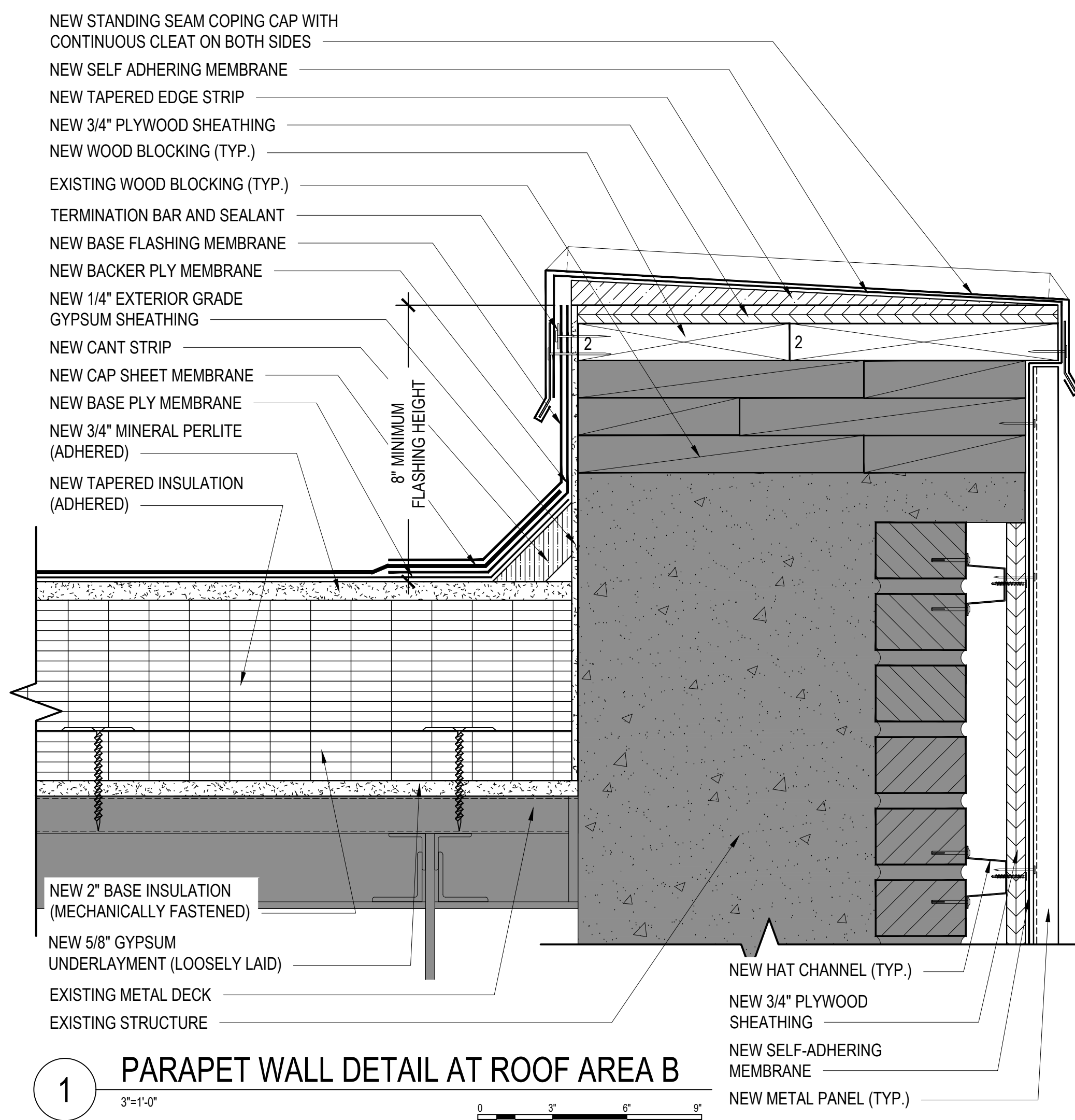
1 WARDLAW COLLEGE ROOF PLAN: WIND ZONES
SCALE: 1/16" = 1'-0"

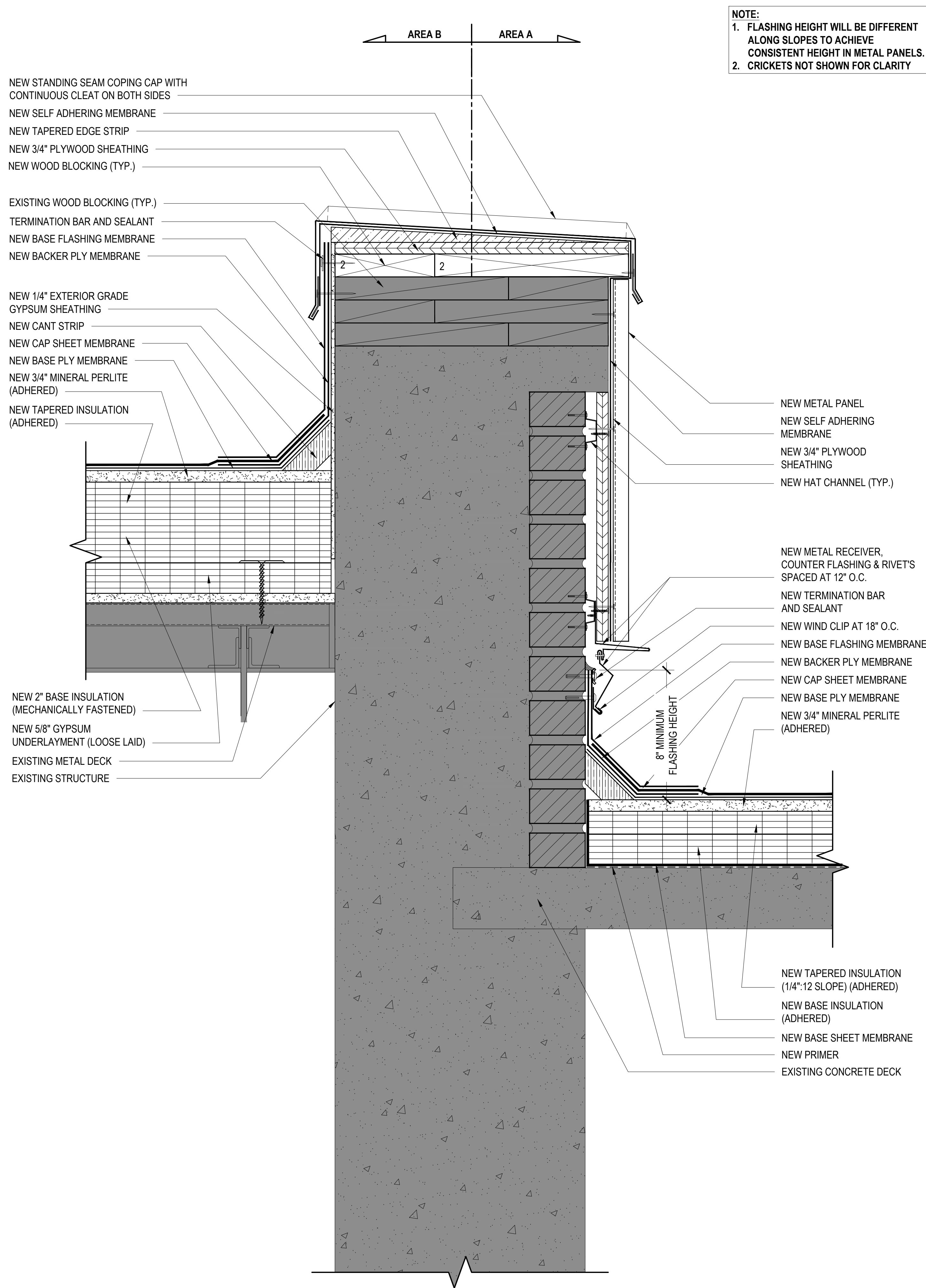
KEY PLAN

- SCOPE OF WORK
- NOT IN SCOPE OF WORK

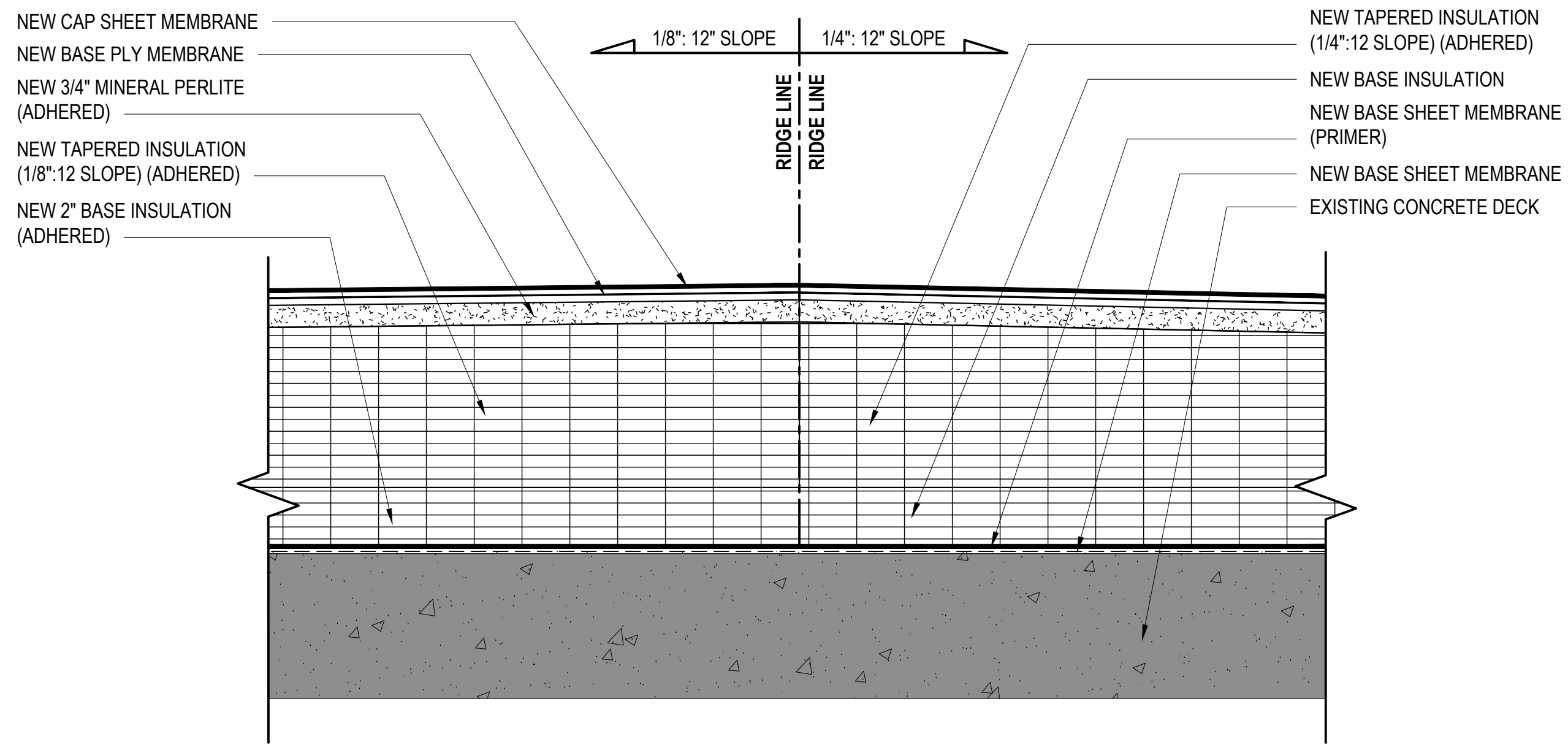


<p>LEGEND</p> <ul style="list-style-type: none"> FIELD ZONE PERIMETER ZONE CORNER ZONE 	<p>Terracon Consulting Engineers and Scientists</p> <p style="font-size: 8px;">2701 Westport Road Charlotte, North Carolina p: 704.509.1777 Project No. FH186084 Terracon SC License No. 2220 terracon.com</p>
<p>CODE SUMMARY (ROOF AREA C4 ONLY)</p> <p>SOUTH CAROLINA BUILDING CODE (2015 EDITION) AND ASCE 7-10</p> <p>BASIC WIND SPEED = 120 MPH CATEGORY = III EXPOSURE CATEGORY = C INTERNAL PRESSURE COEF. = +/- 0.18</p> <p>THE NEW ROOF SYSTEM SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE FOLLOWING WIND UPLIFT PRESSURES:</p> <ol style="list-style-type: none"> 1. FIELD ZONE = - 56.93 PSF 2. PERIMETER ZONE = - 92.97 PSF 3. CORNER ZONE = - 121.79 PSF <p>PERIMETER ZONE IS 12'-0" WIDE CORNER ZONE IS 12'-0" X 12'-0"</p>	<p>ENGINEER STATE LICENSE SEAL</p>
<p>CODE SUMMARY</p> <p>SOUTH CAROLINA BUILDING CODE (2015 EDITION) AND ASCE 7-10</p> <p>BASIC WIND SPEED = 120 MPH CATEGORY = III EXPOSURE CATEGORY = C INTERNAL PRESSURE COEF. = +/- 0.18</p> <p>THE NEW ROOF SYSTEM SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE FOLLOWING WIND UPLIFT PRESSURES:</p> <ol style="list-style-type: none"> 1. FIELD ZONE = - 41.78 PSF 2. PERIMETER ZONE = - 70.10 PSF 3. CORNER ZONE = - 105.50 PSF <p>PERIMETER ZONE IS 12'-0" WIDE CORNER ZONE IS 12'-0" X 12'-0"</p>	<p>PROJECT NAME AND ADDRESS:</p> <p style="text-align: center;">University of South Carolina RE-BID WARDLAW COLLEGE ROOF REPLACEMENT PROJECT STATE PROJECT No.: 5003317-2</p> <p style="font-size: 8px; text-align: right;">Project Address: 820 South Main Street Columbia, South Carolina 29208</p>
<p>ALTERNATE No.1: (TYPICAL ON ALL SHEETS)</p> <ol style="list-style-type: none"> 1. INSTALL ROOFING SYSTEM UTILIZING ADHESIVE, AND COLD APPLIED - ADHESIVE IN LIEU OF HOT-APPLIED ASPHALT. 	<p>ISSUE DATE: 01.28.2020</p> <p>ISSUE FOR: ISSUED FOR RE-BIDDING</p>
<p>ADDENDUM: No. DATE DESCRIPTION:</p>	<p>PROJECT TEAM: DESIGNED BY: SSS DRAWN BY: EGM II APR REVIEWER: LTH</p> <p>TERRACON'S PROJECT NUMBER: FH186084</p>
<p>TITLE SHEET: ROOF PLAN: WIND ZONES (ALTERNATE No.1)</p>	<p>SHEET NUMBER: A-102</p>

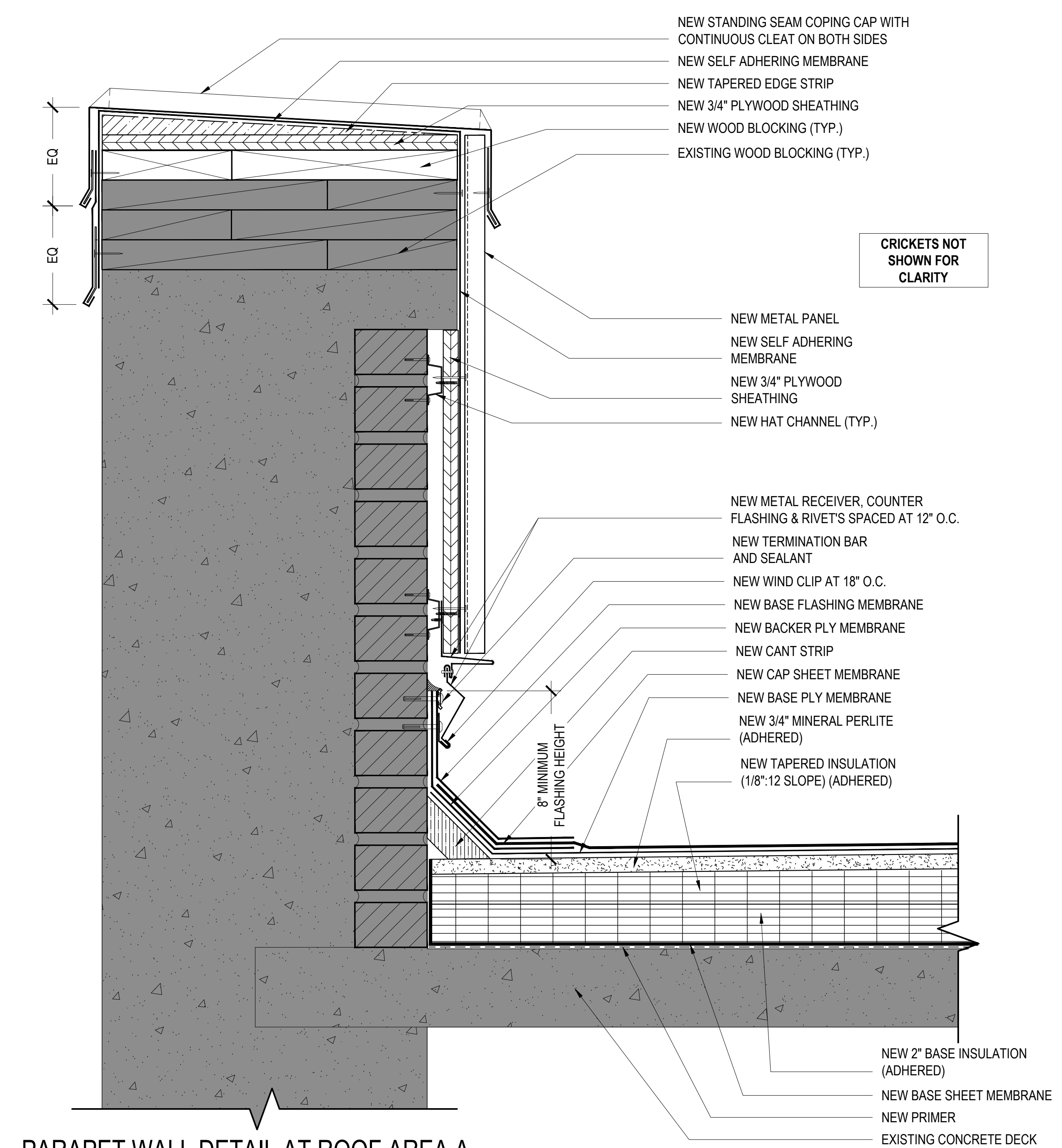




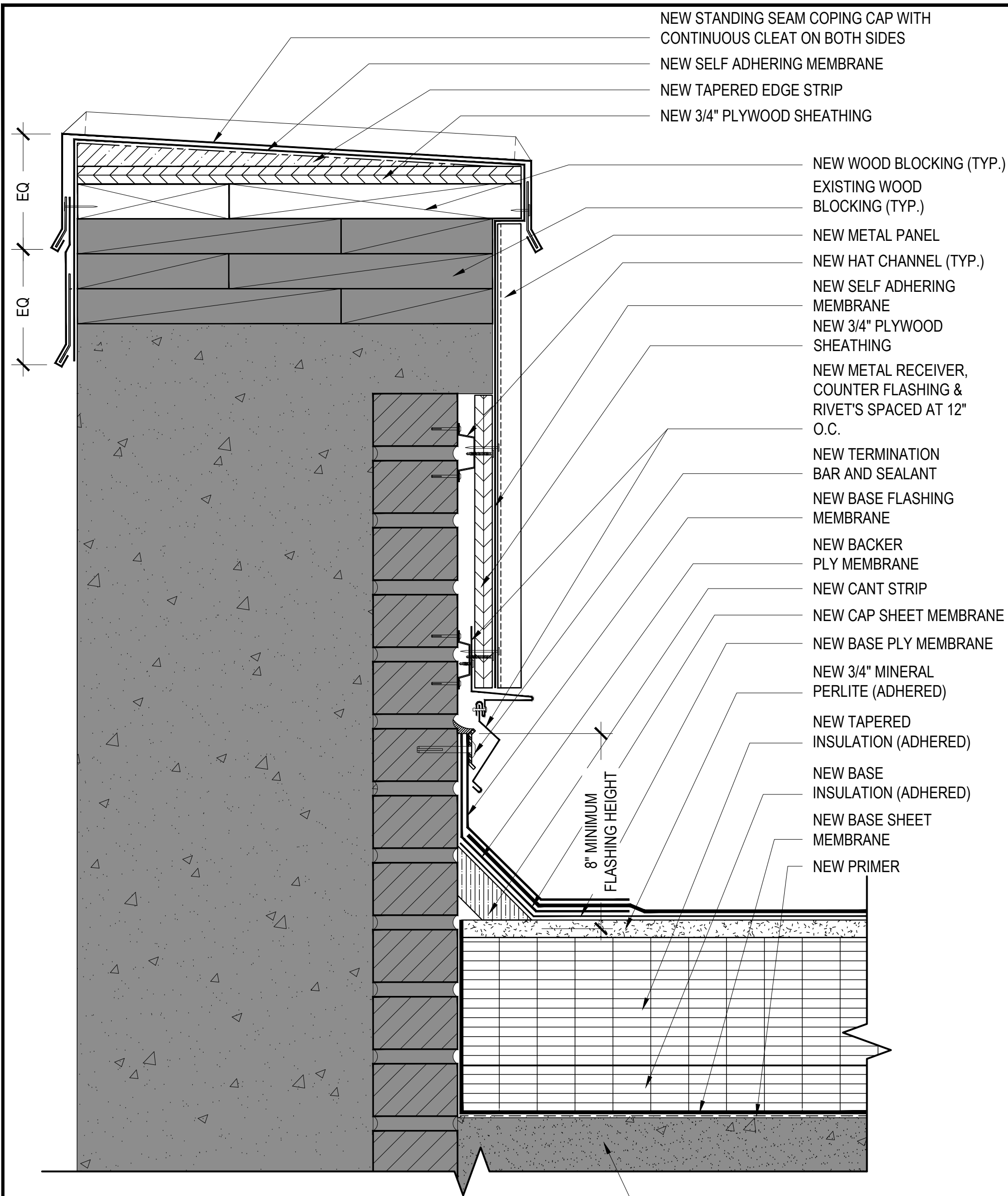
5 PARAPET WALL DETAIL
 3"=1'-0"



6 RIDGE DETAIL AT ROOF AREA A
 3"=1'-0"

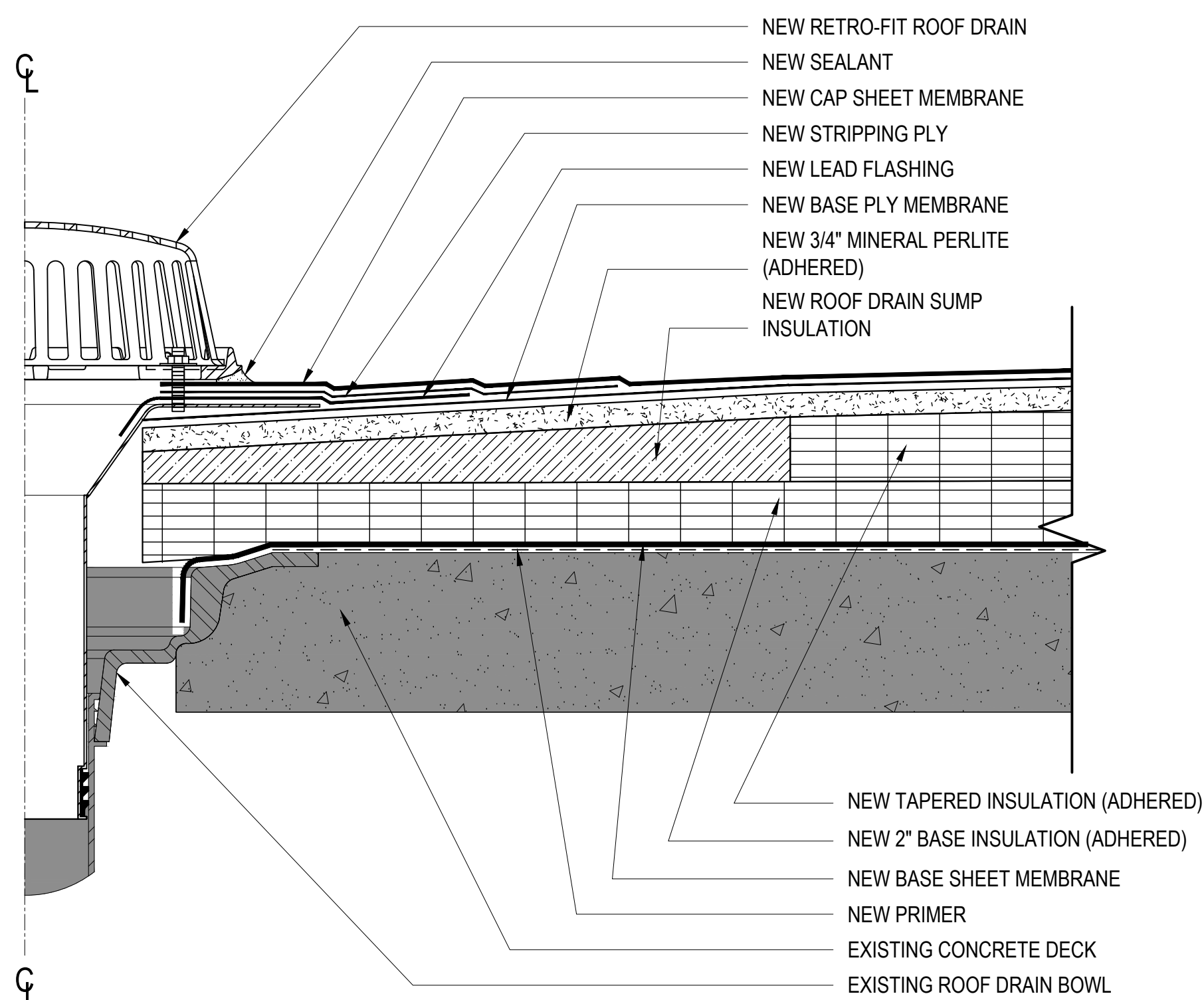


7 PARAPET WALL DETAIL AT ROOF AREA A
 3"=1'-0"

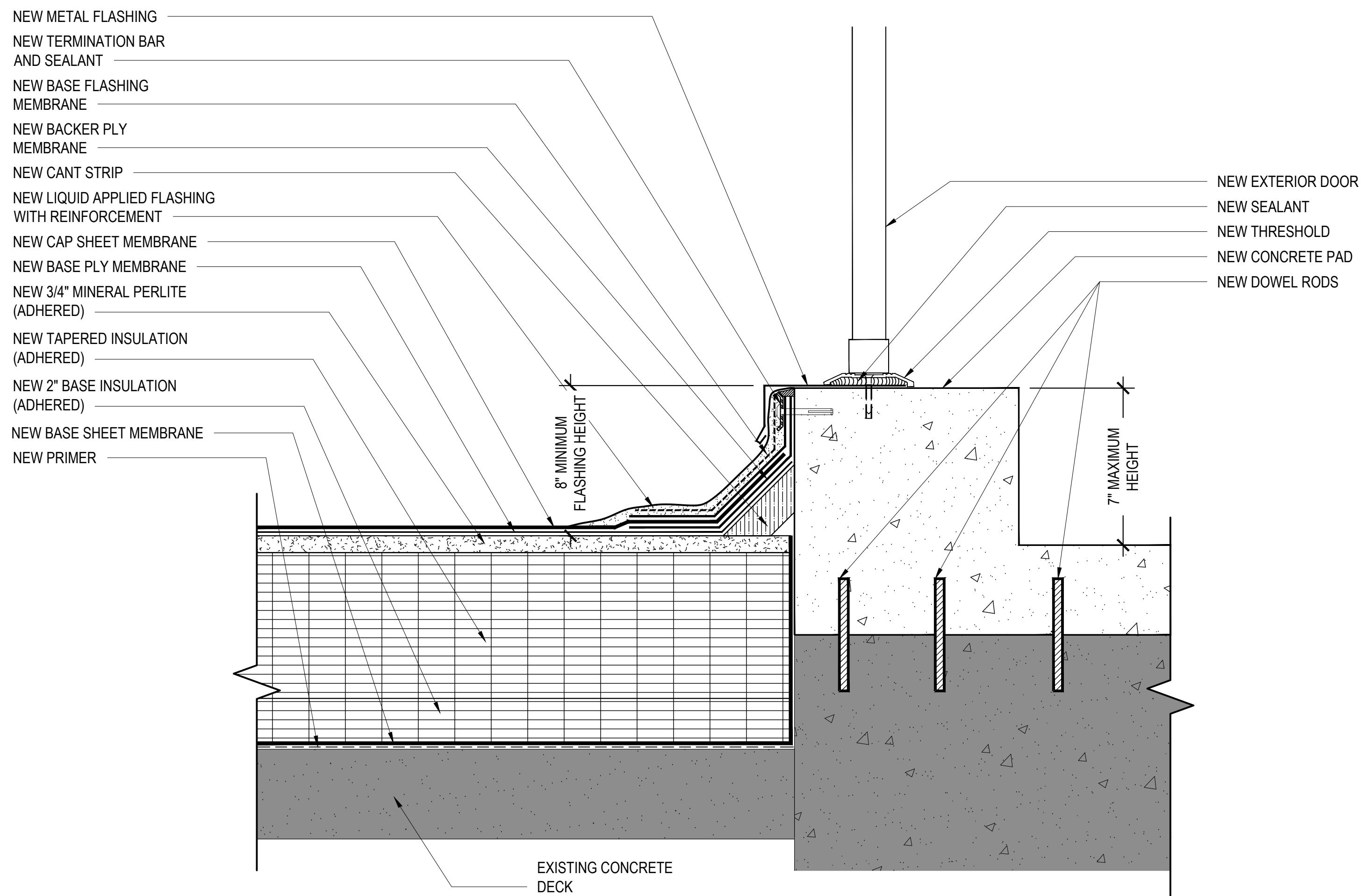


8 PARAPET WALL DETAIL ROOF AREA A
 3"=1'-0"

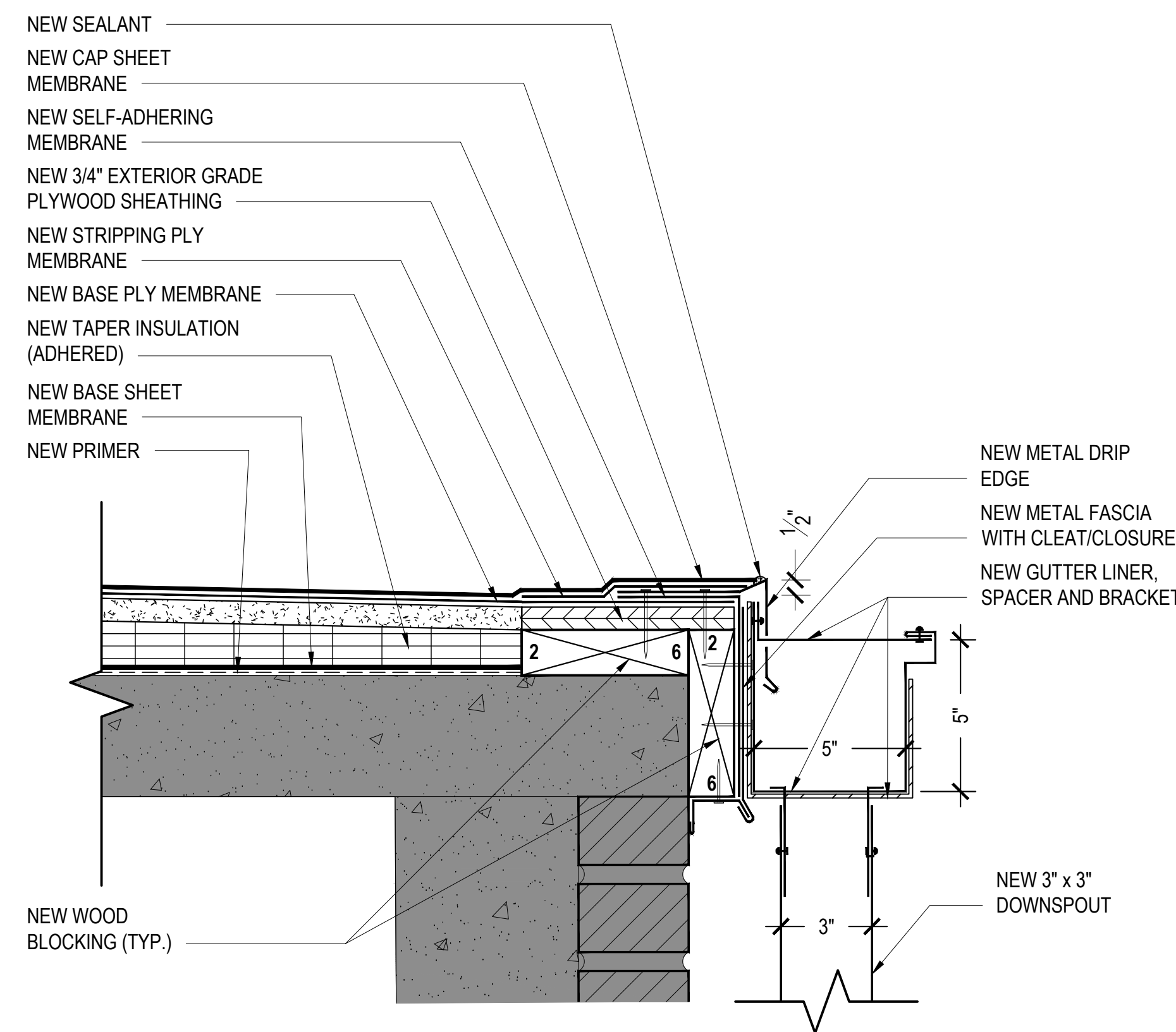
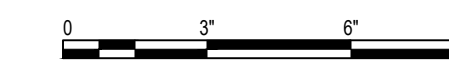
EXISTING CONCRETE DECK



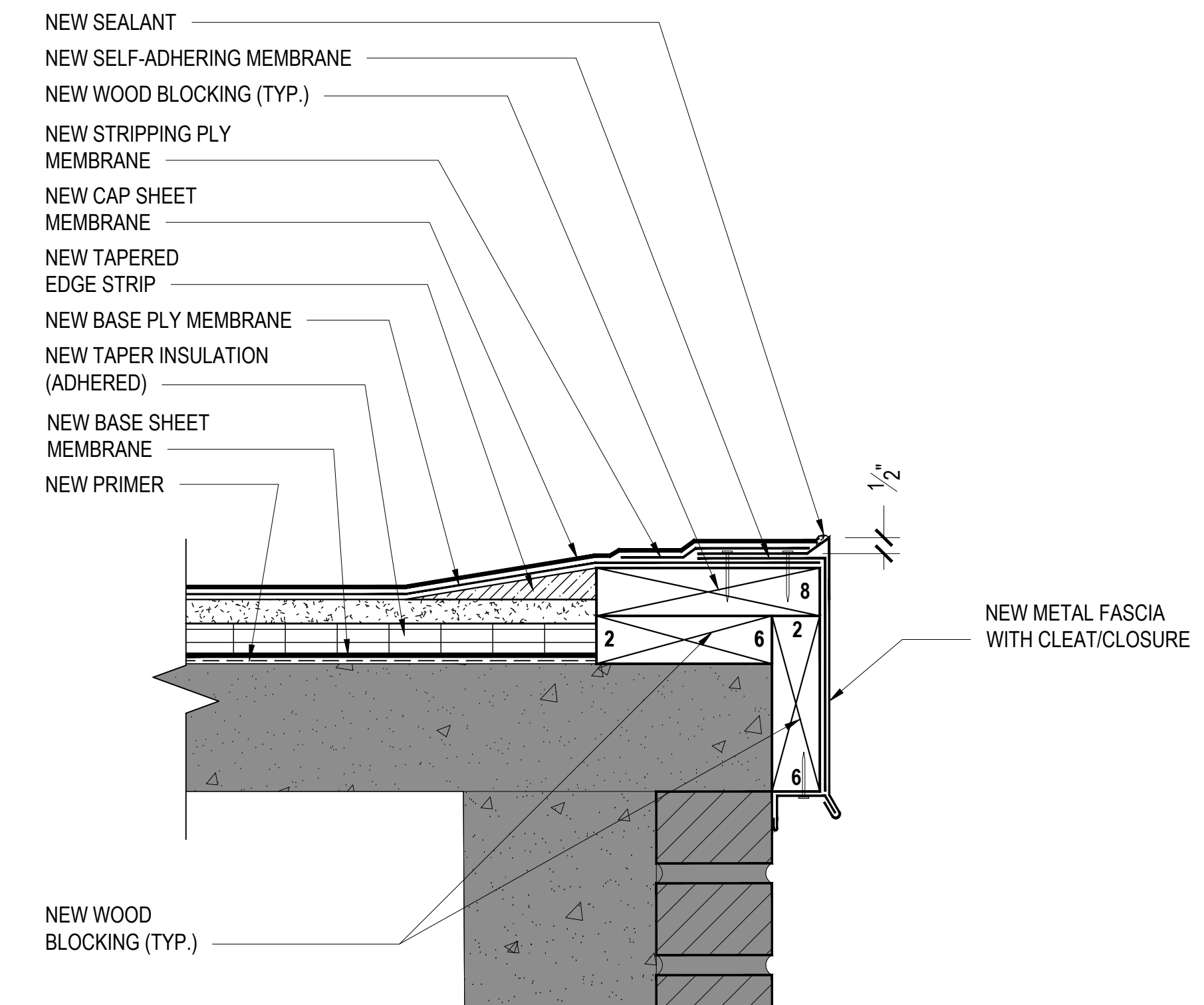
10 TYPICAL RETRO-FIT ROOF DRAIN (TYPICAL)
 3"=1'-0"



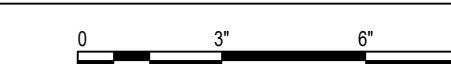
9 DOOR THRESHOLD DETAIL AT ROOF AREAS A & D
 3"=1'-0"



11 GUTTER DETAIL AT ROOF AREA C4
 3"=1'-0"



12 RAKE EDGE DETAIL AT ROOF AREA C4
 3"=1'-0"



ENGINEER STATE LICENSE SEAL

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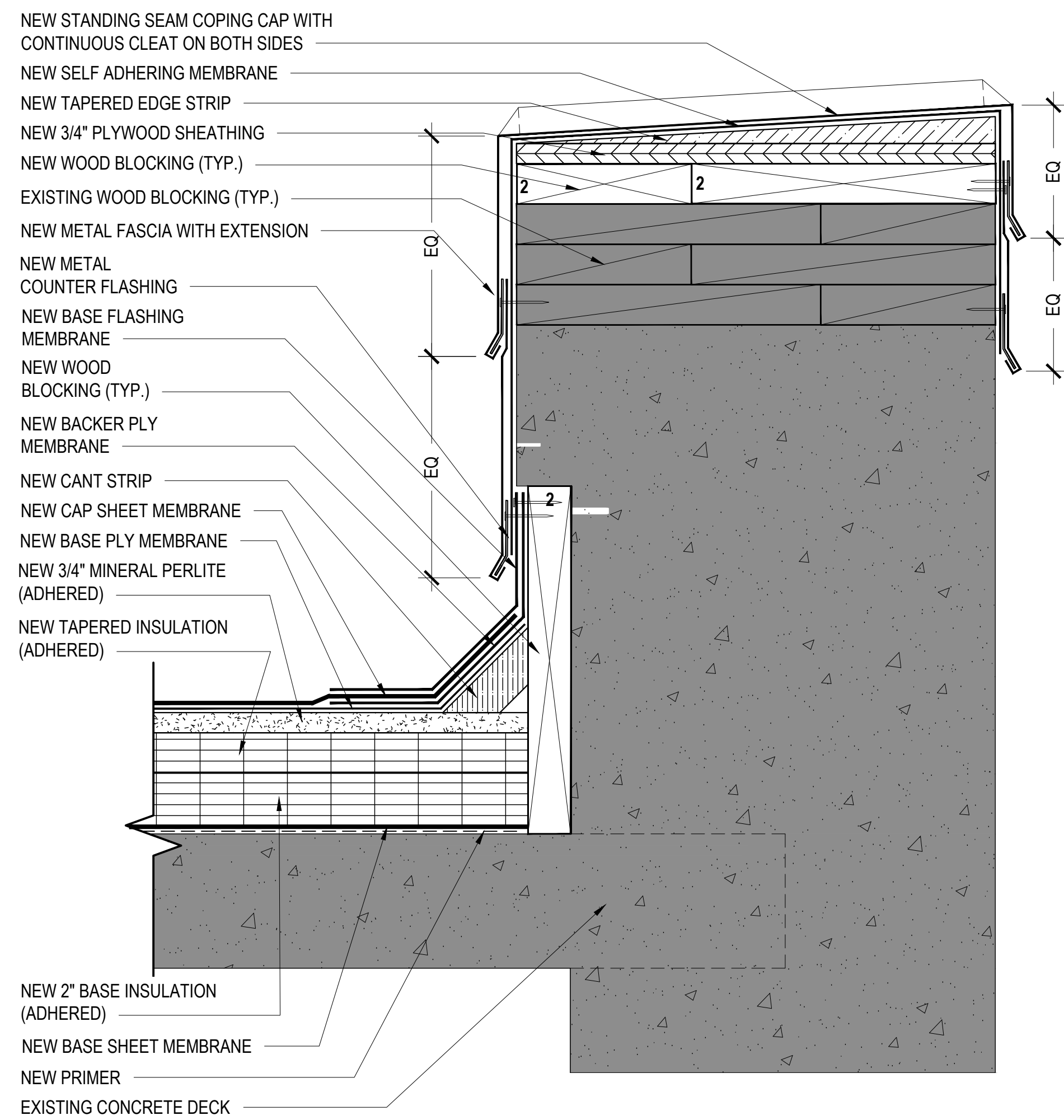
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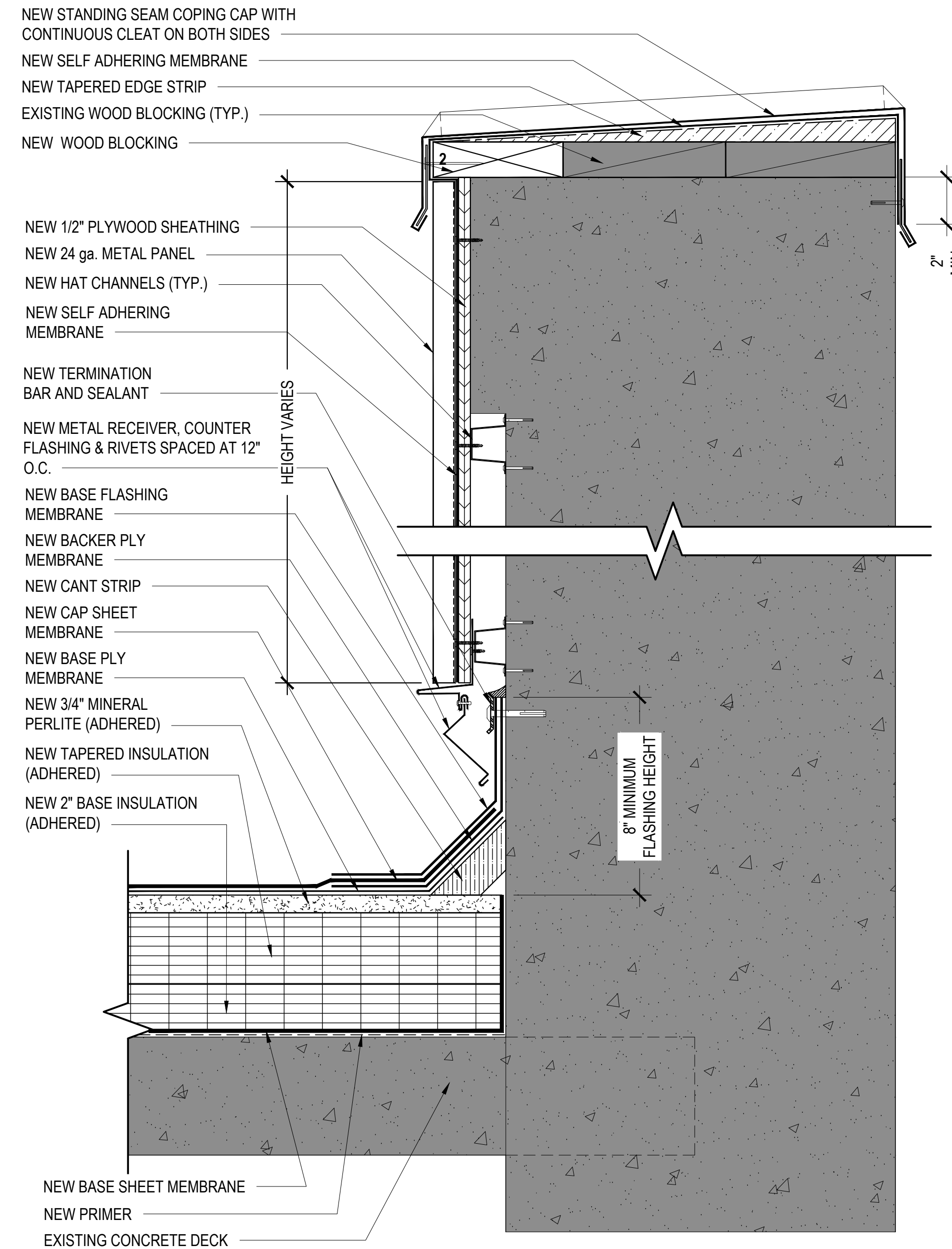
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ROOF DETAILS

SHEET NUMBER:
A-503



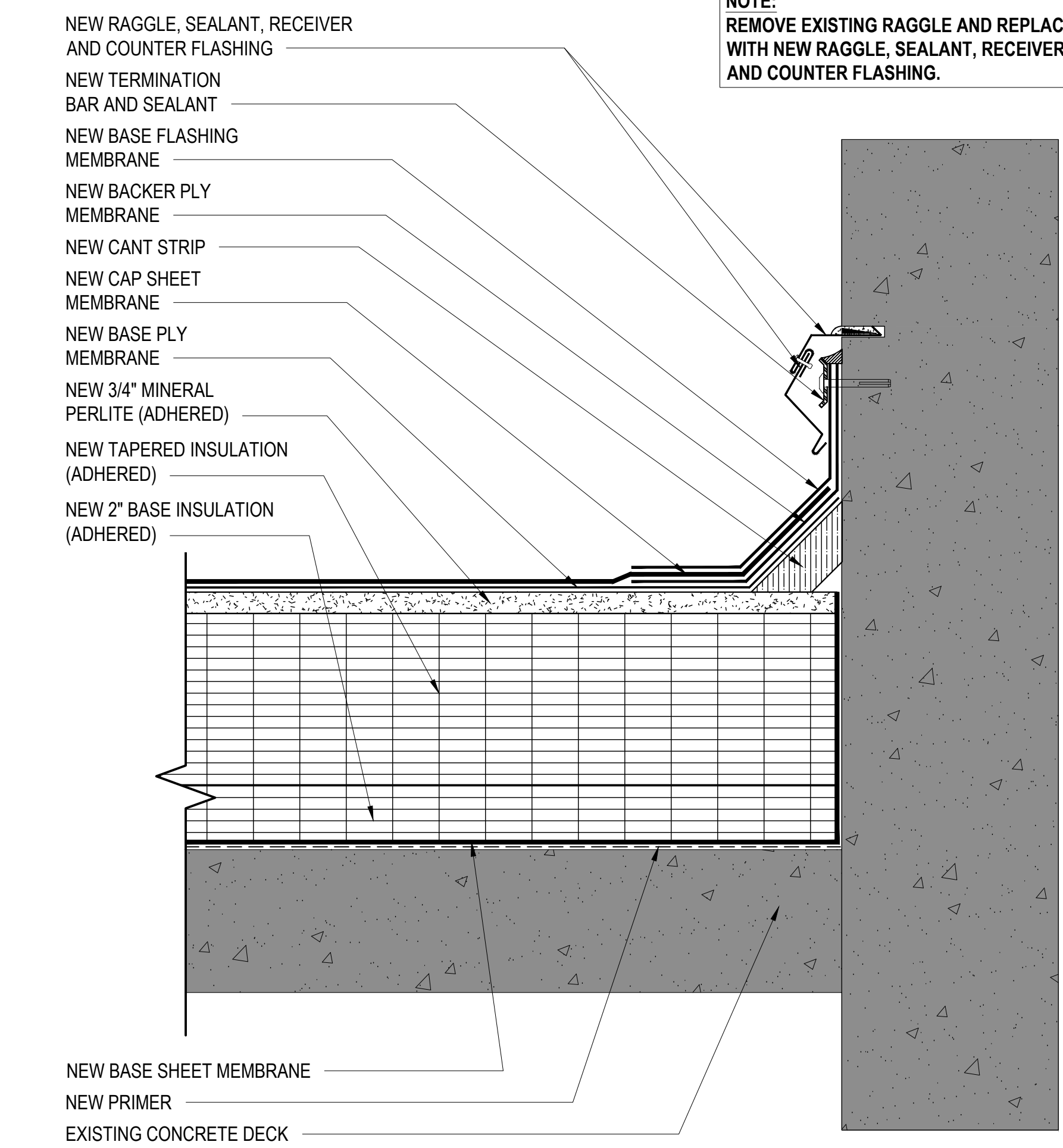
13 PARAPET WALL DETAIL AT ROOF AREA C1

3"=1'-0"



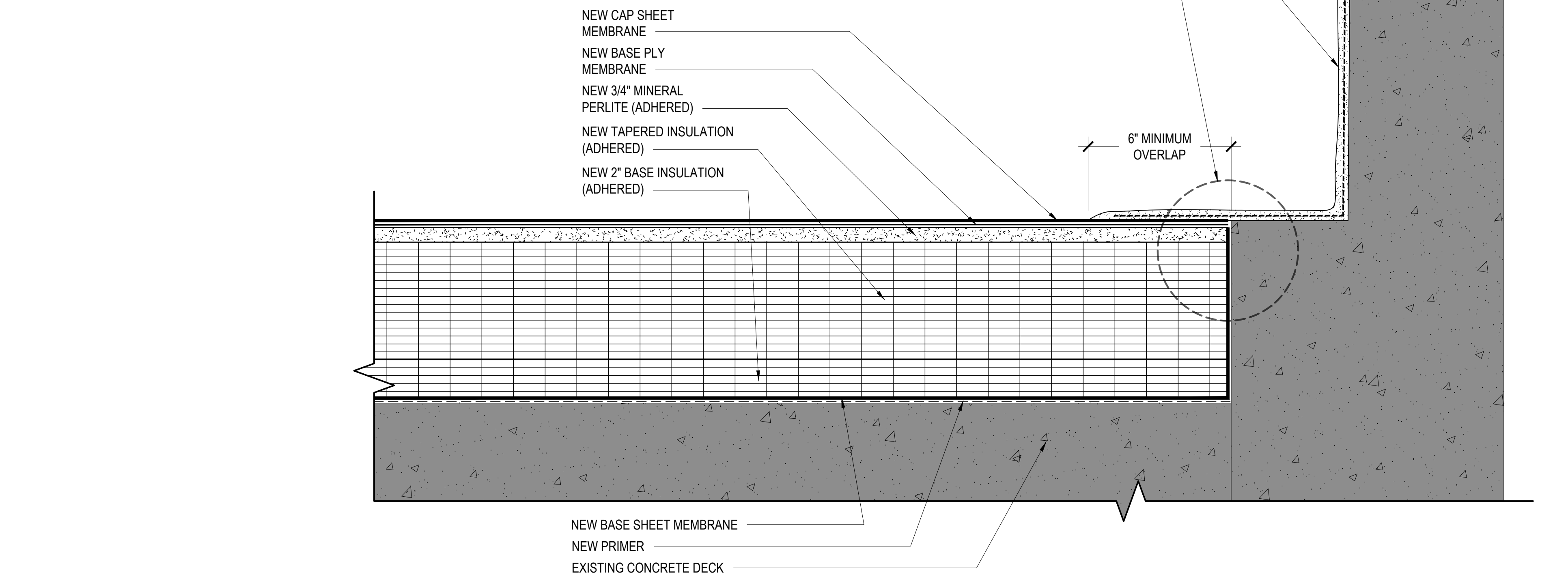
14 PARAPET WALL W/METAL PANELS DETAIL AT ROOF AREA C1

3"=1'-0"



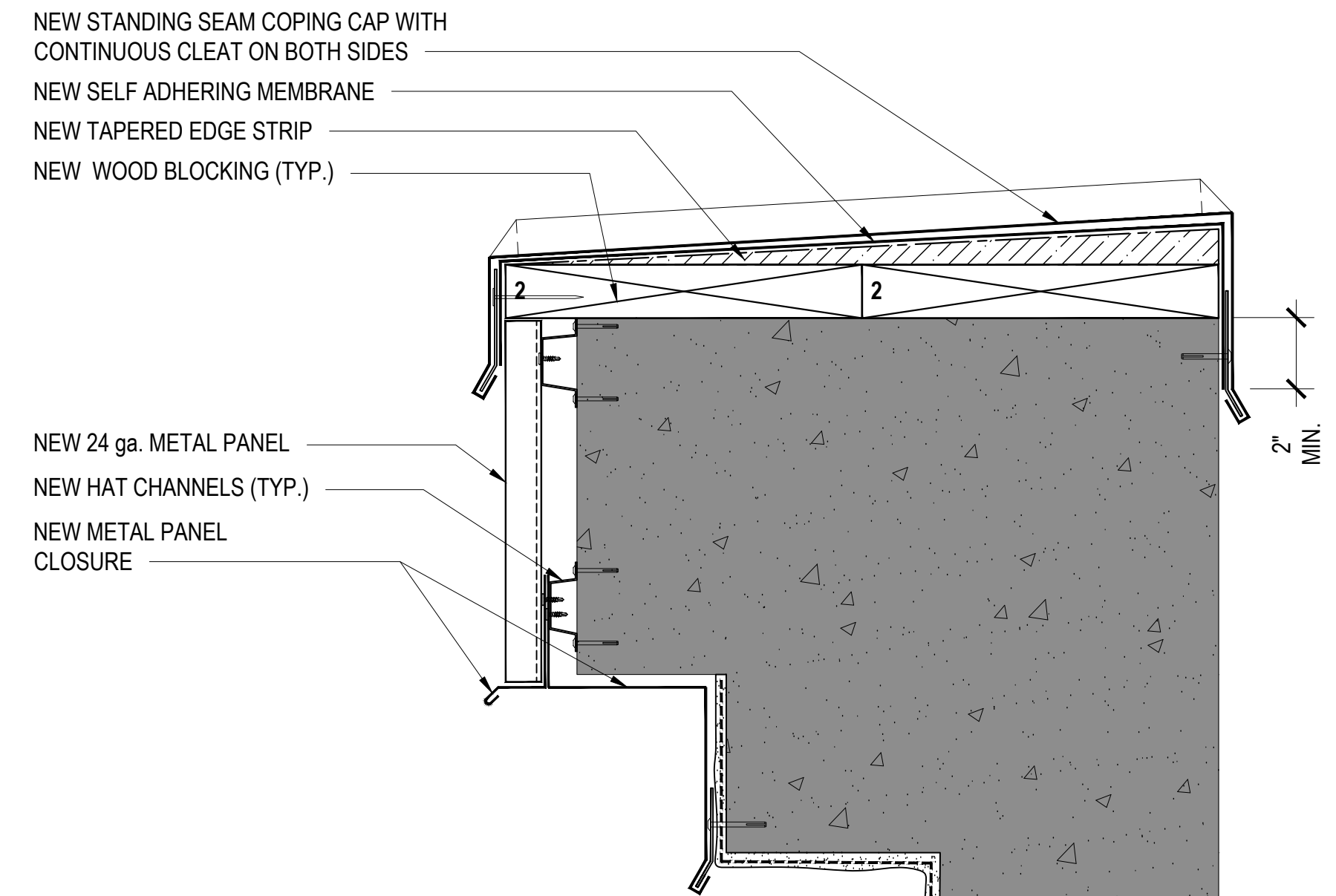
15 RAGGLE AND COUNTERFLASHING AT PENHOUSE AT AREA C1

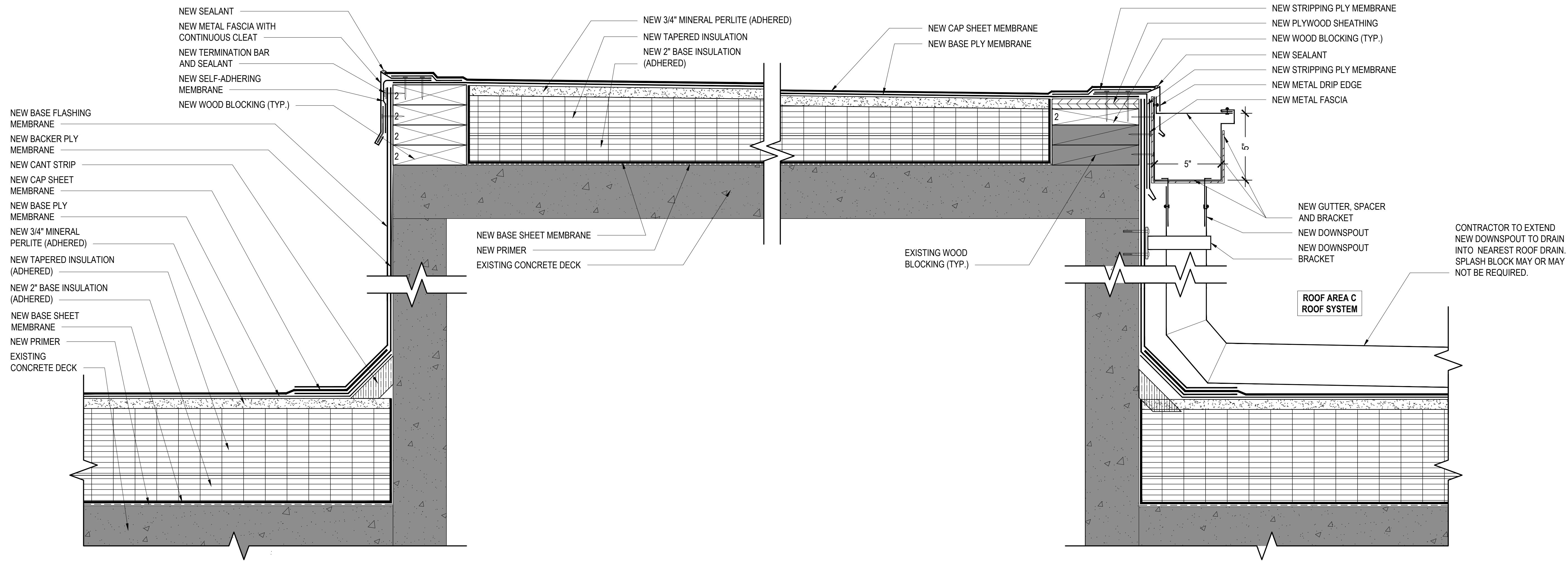
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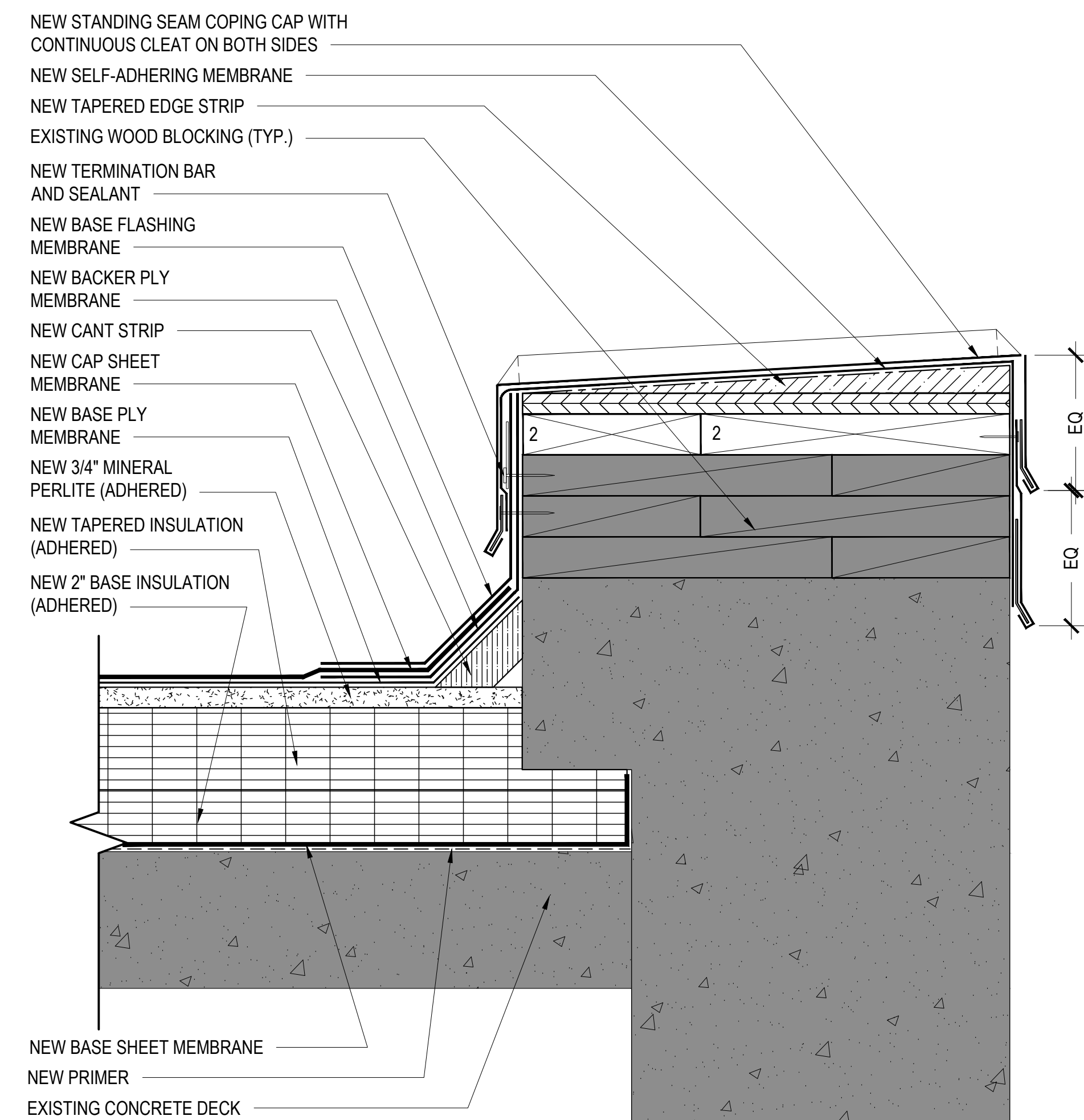
16 WALL FLASHING AT ROOF AREA C2

3"=1'-0"

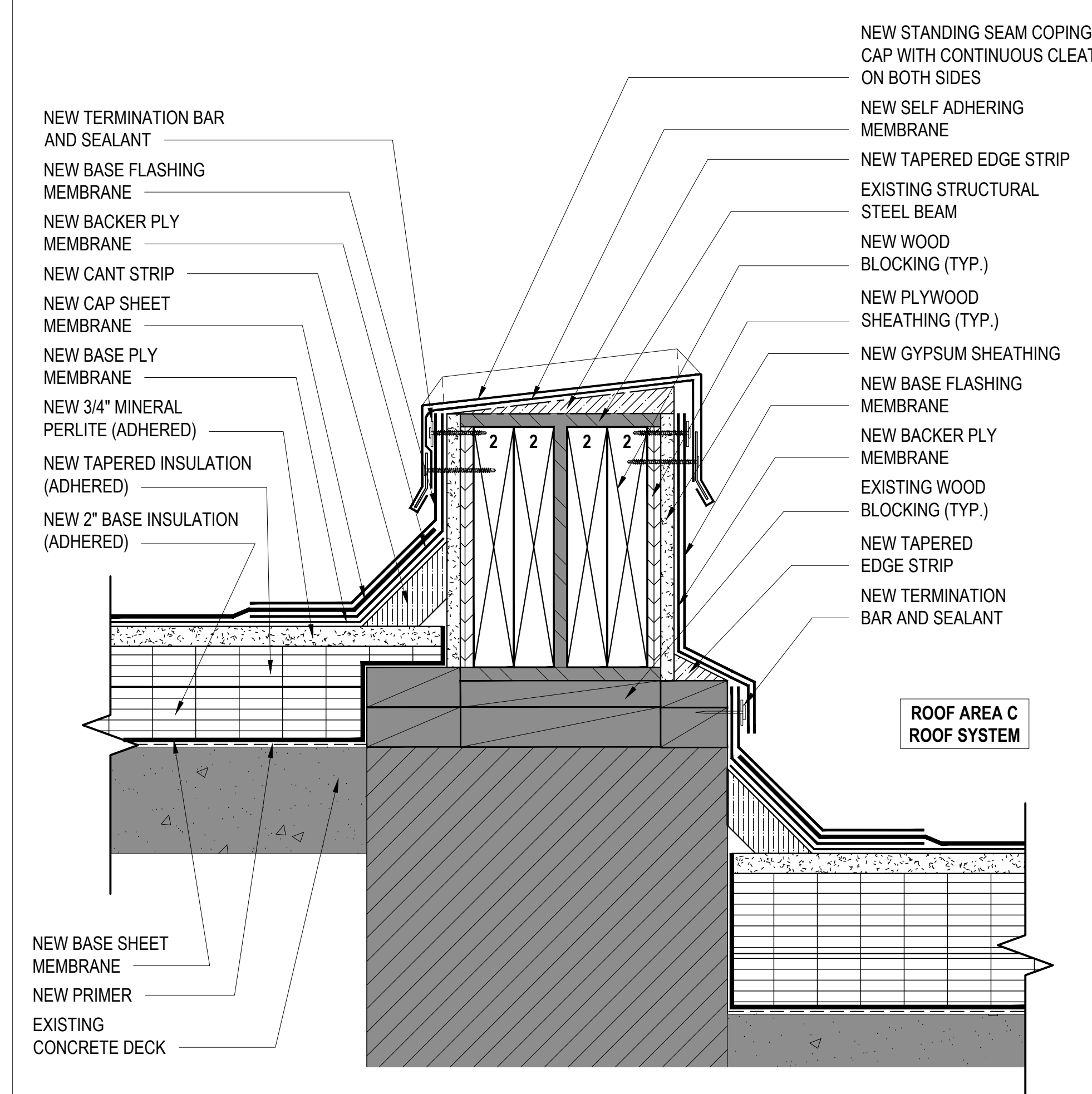




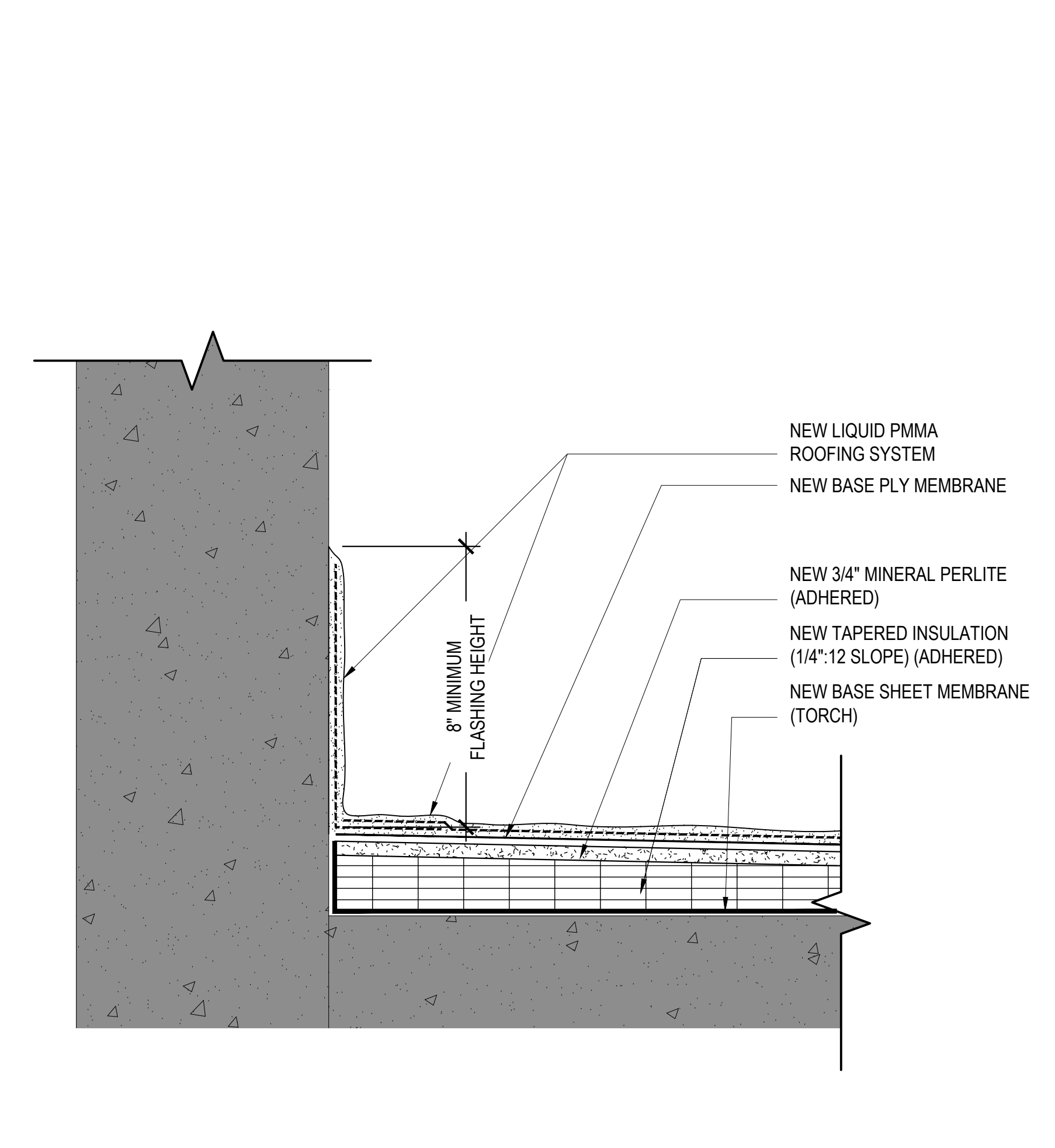
17 ROOF EDGE/GUTTER AND DOWNSPOUT AT AREA C
 3"=1'-0"



18 PARAPET DETAIL ROOF AREA C3
 3"=1'-0"

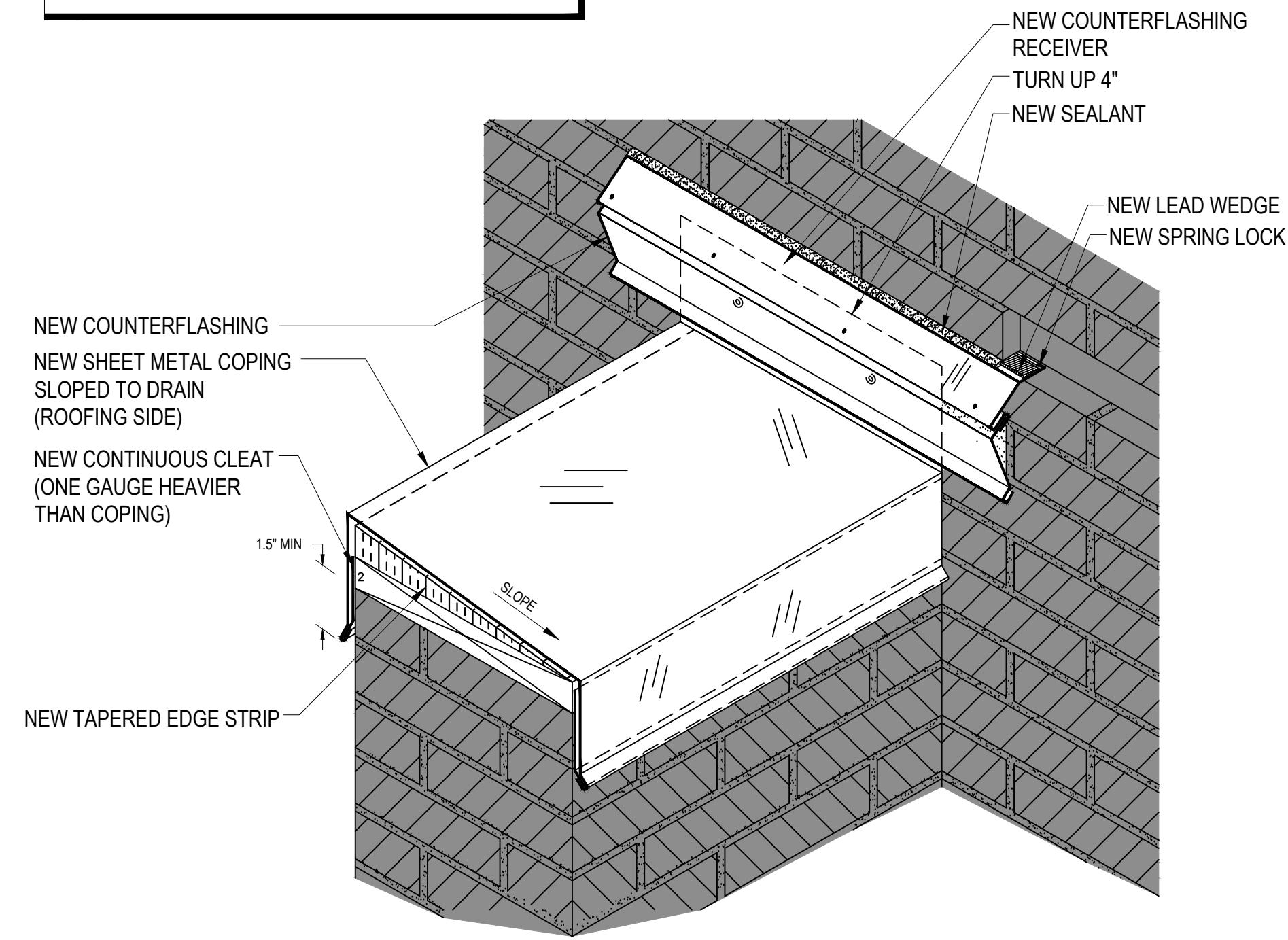


19 STEEL BEAM ENCLOSURE AT ROOF AREA C3
 3"=1'-0"



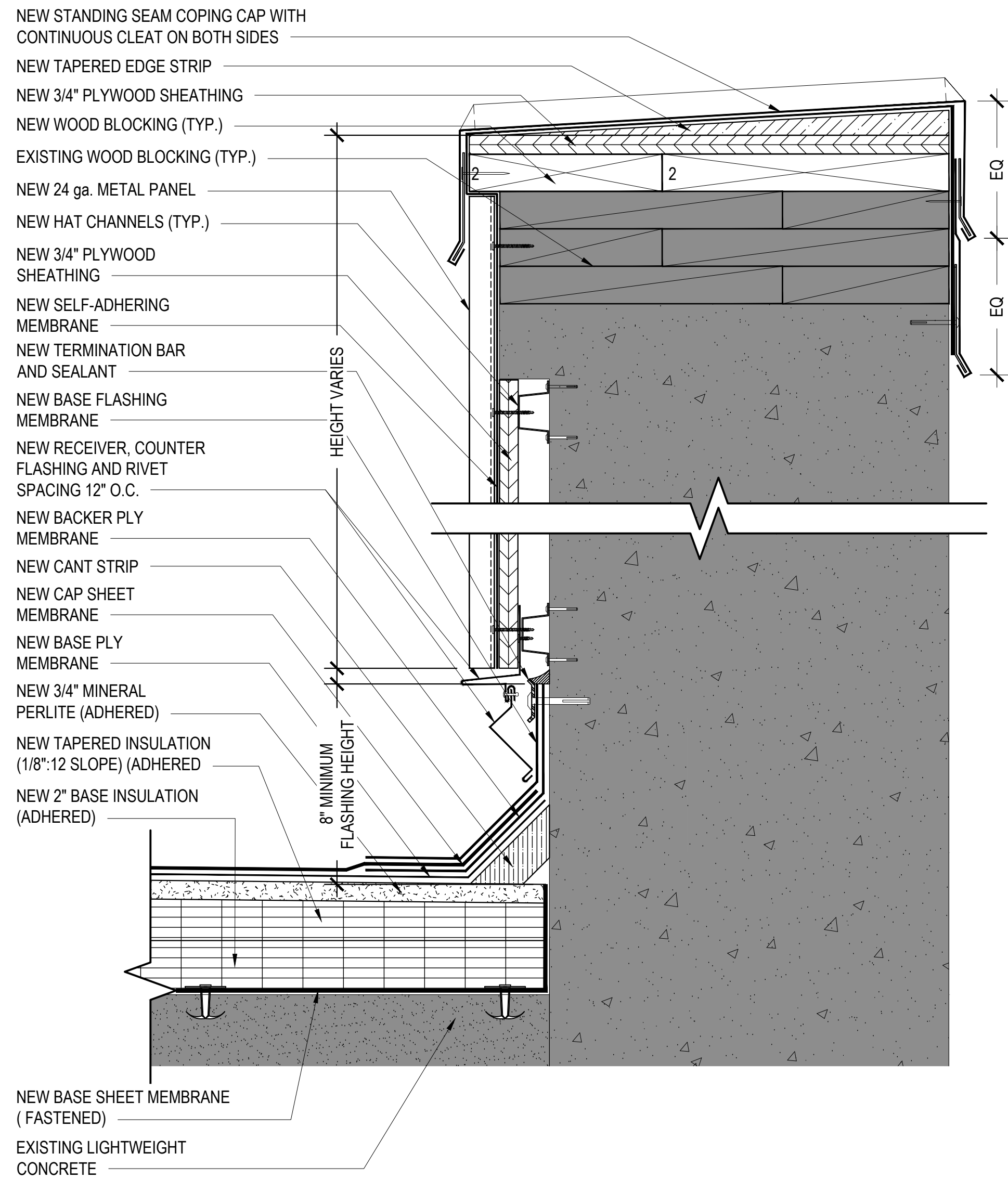
20 LIQUID PMMA ROOFING SYSTEM AT ROOF AREA C2
 3"=1'-0"

NOTE:
THIS DETAIL IS TO SHOW COPING CAP TERMINATION FLASHING. REFER TO OTHER DETAILS FOR ACTUAL WALL CONSTRUCTION AND OTHER CLADDING/ROOFING COMPONENTS.



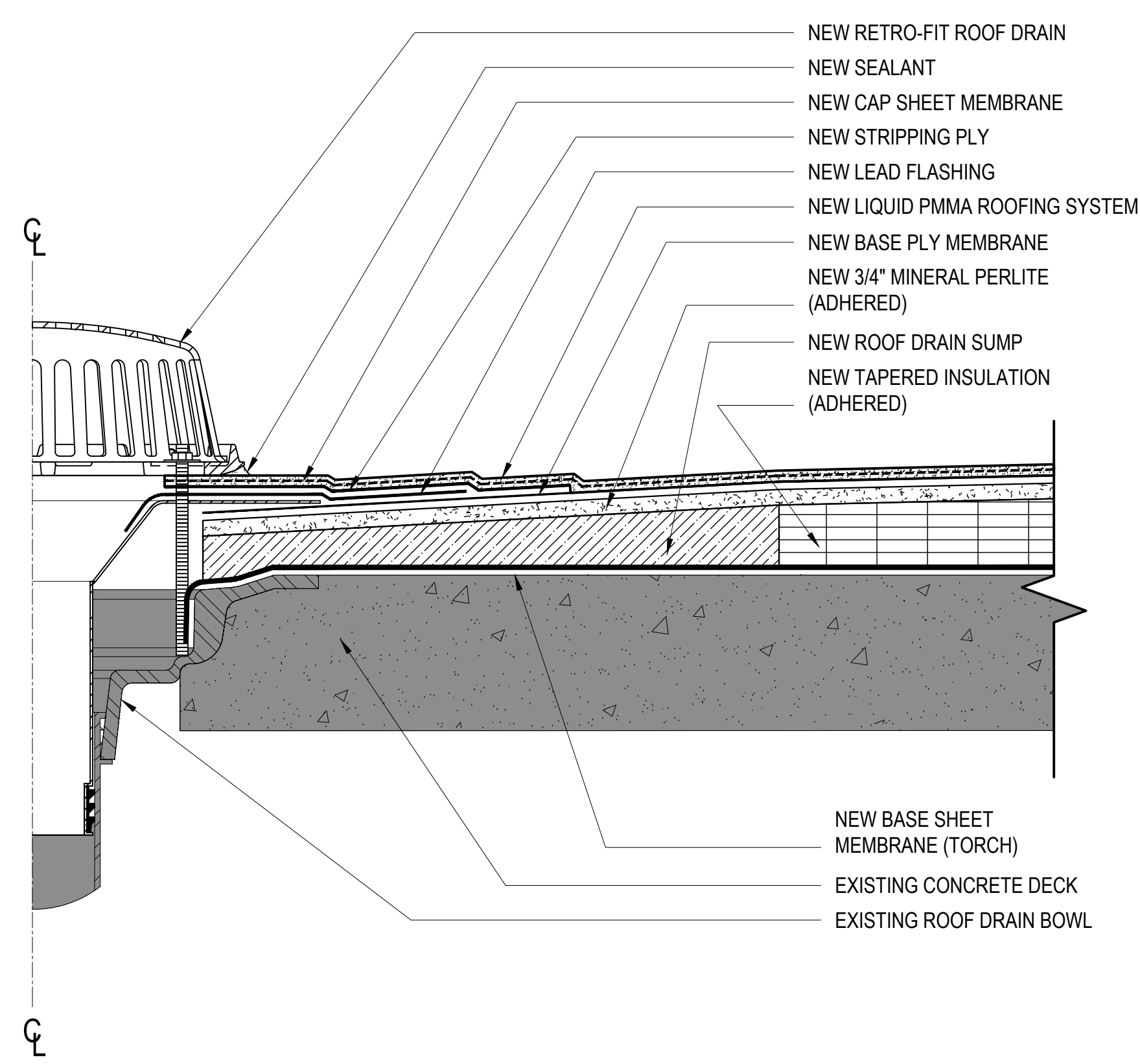
21 COPING TERMINATION DETAIL (TYPICAL)

NTS



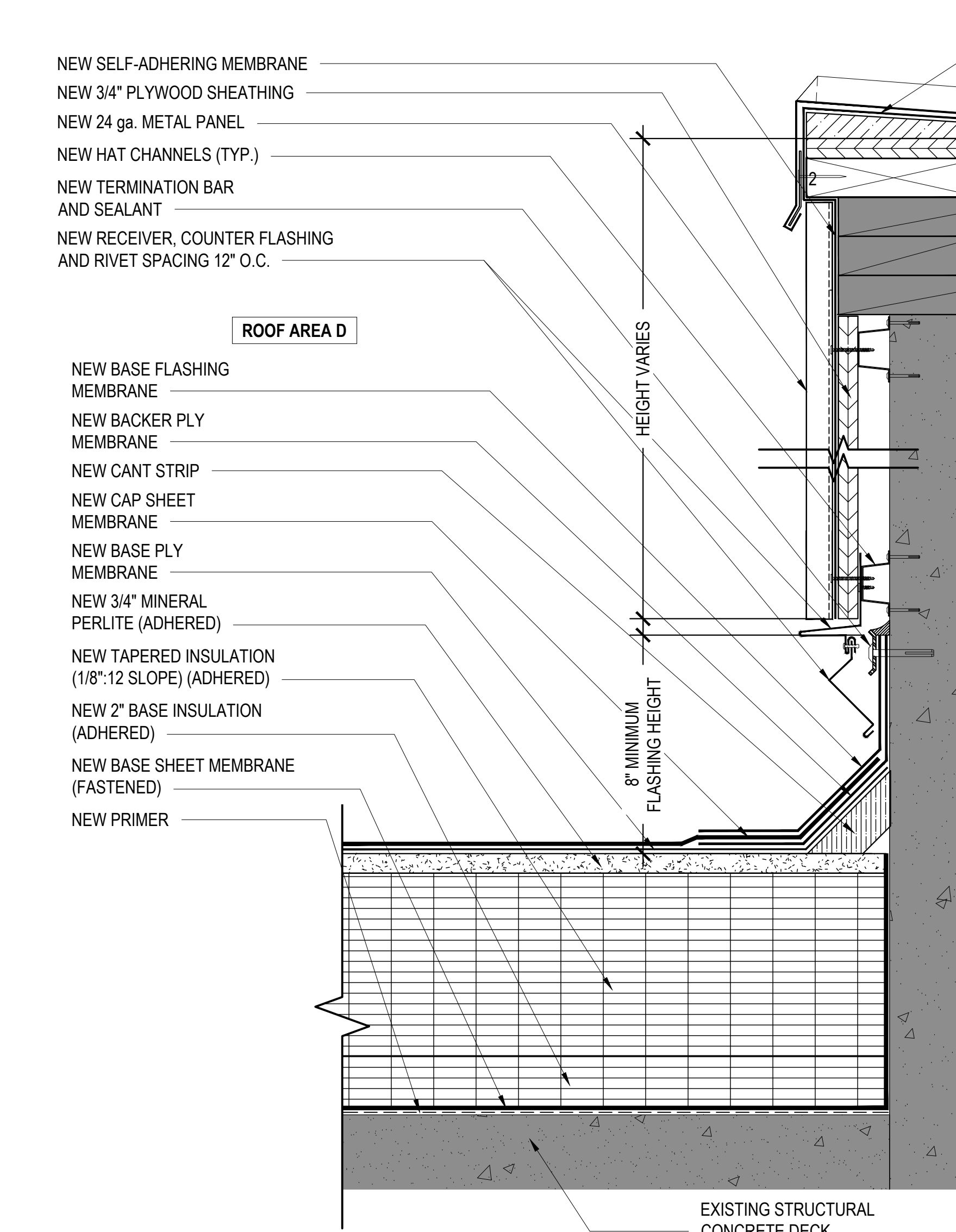
24 PARAPET WALL DETAIL AT ROOF AREA E

3"=1'-0"



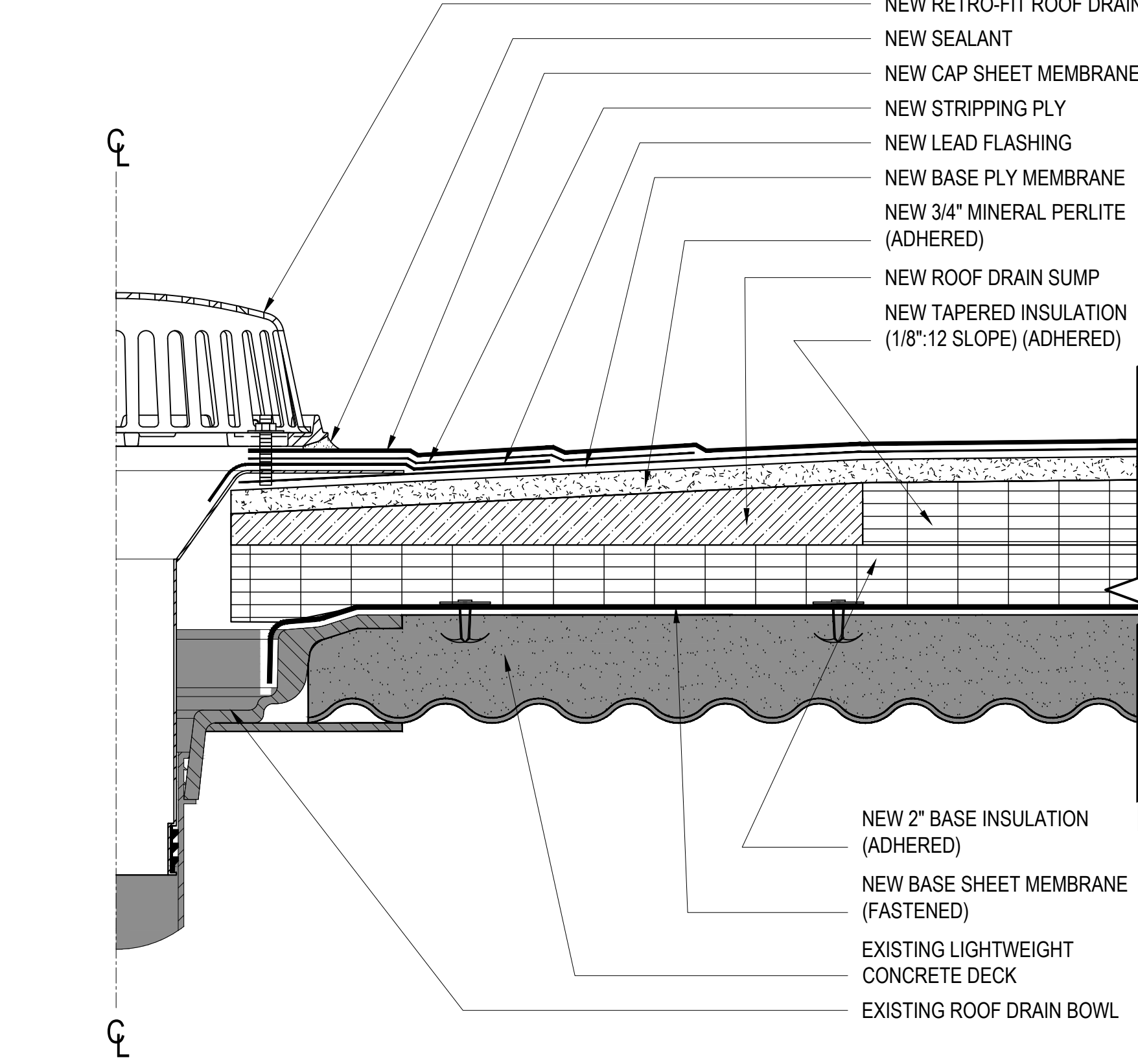
22 TYPICAL RETRO-FIT ROOF DRAIN AT ROOF AREA C2

3"=1'-0"



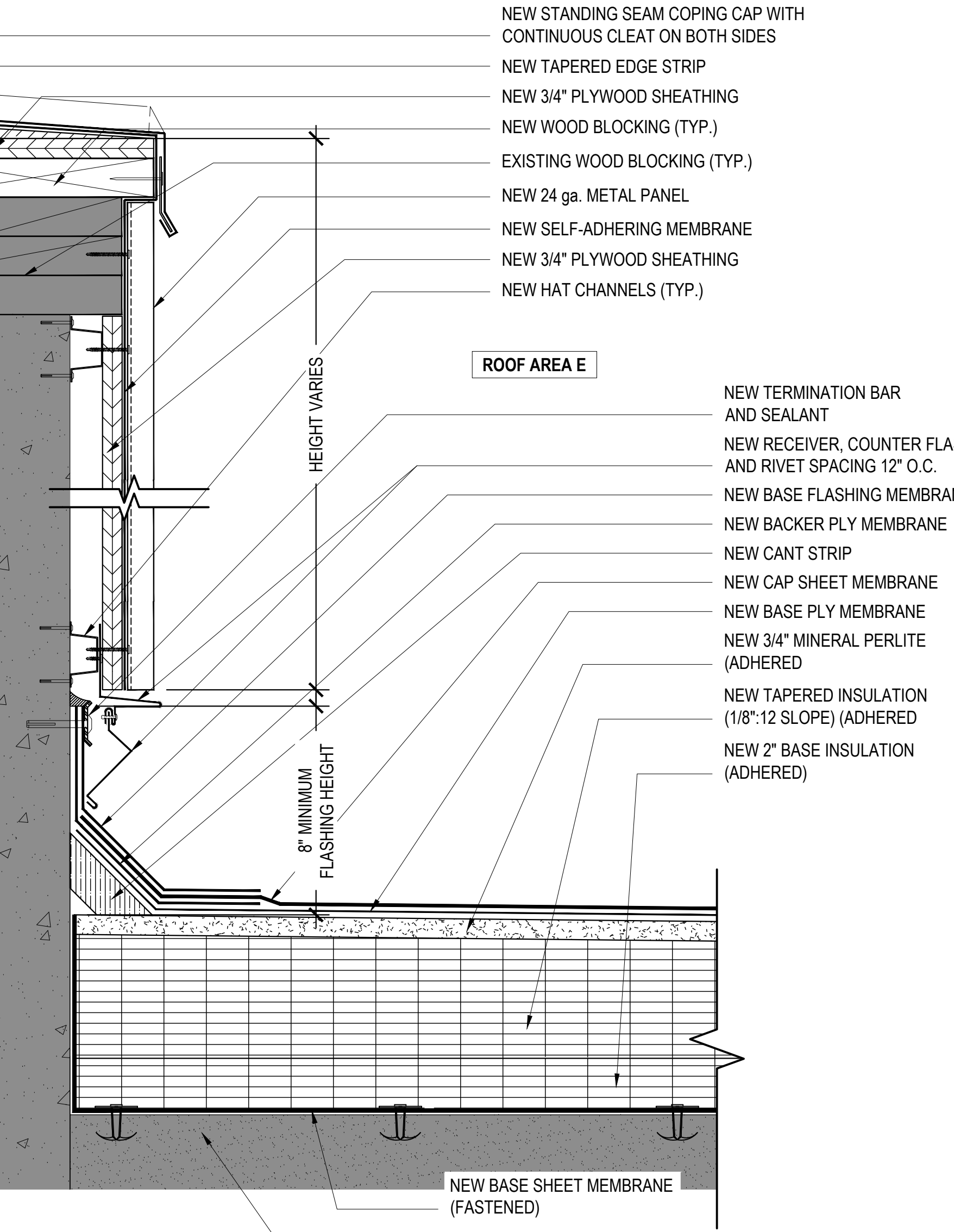
25 PARAPET WALL DETAIL AT ROOF AREA D AND E

3"=1'-0"



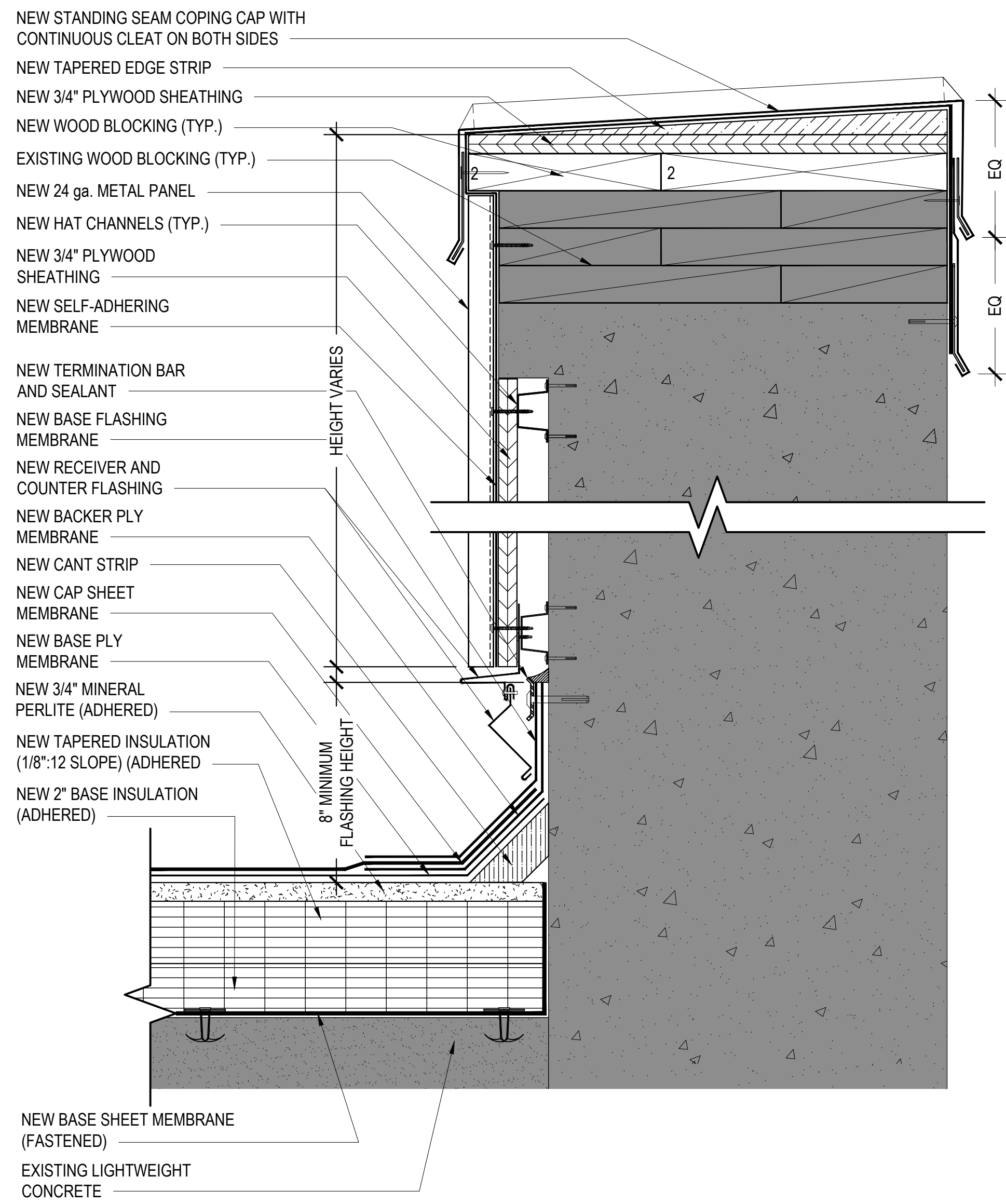
23 TYPICAL RETRO-FIT ROOF DRAIN (TYPICAL)

3"=1'-0"



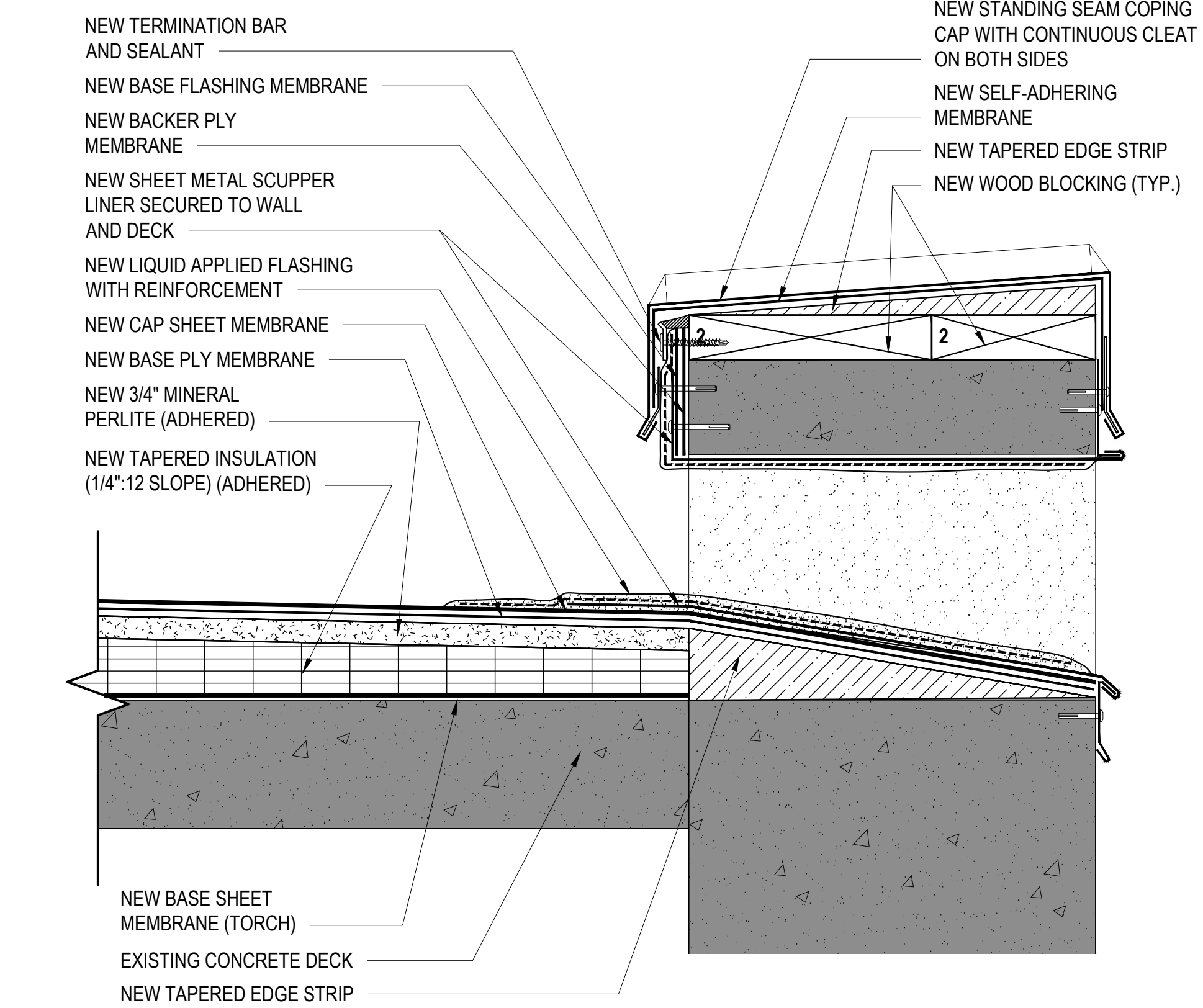
26 PARAPET WALL DETAIL AT ROOF AREA E

3"=1'-0"



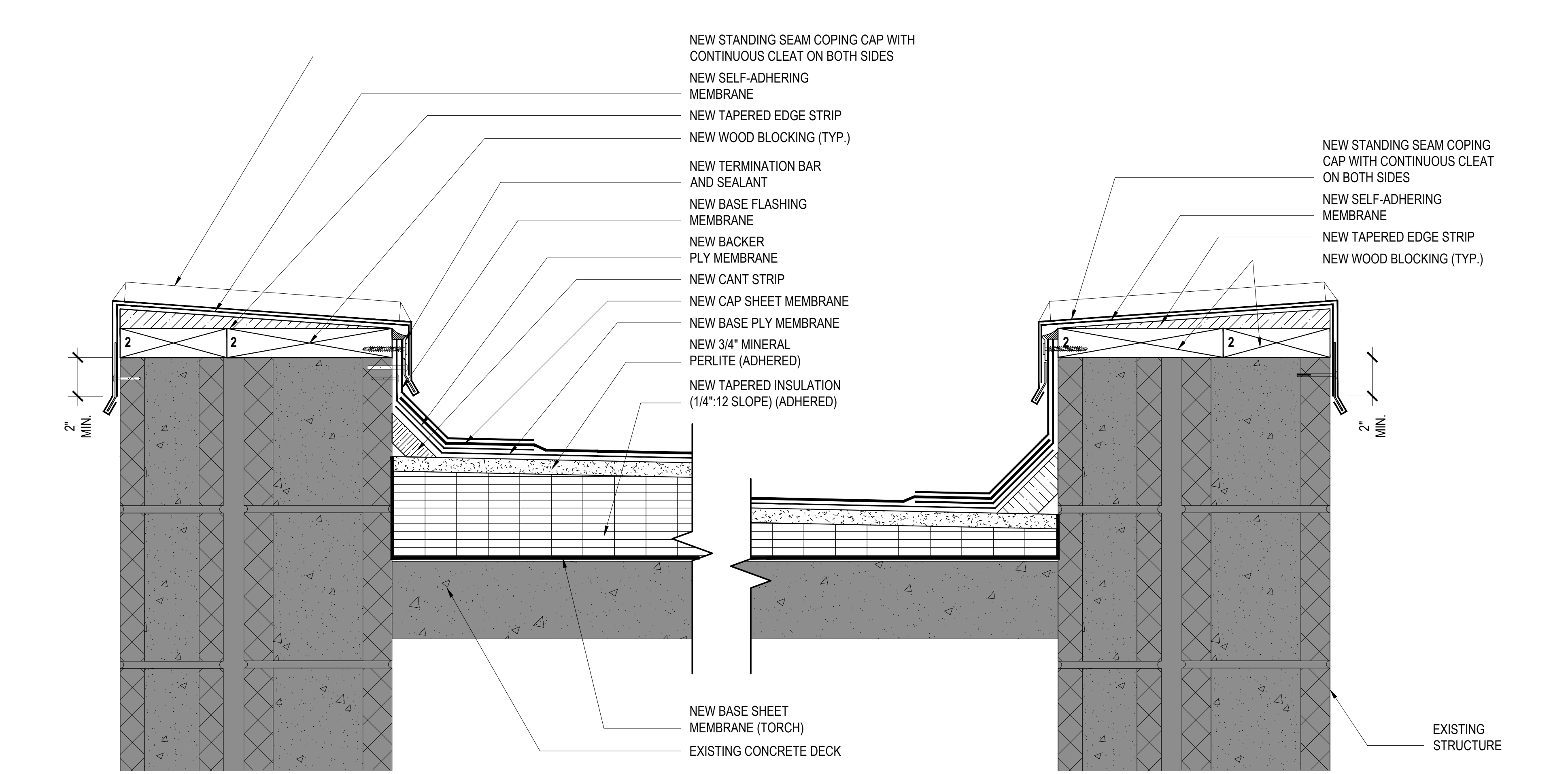
26 PARAPET WALL DETAIL AT ROOF AREA E

3\"/>



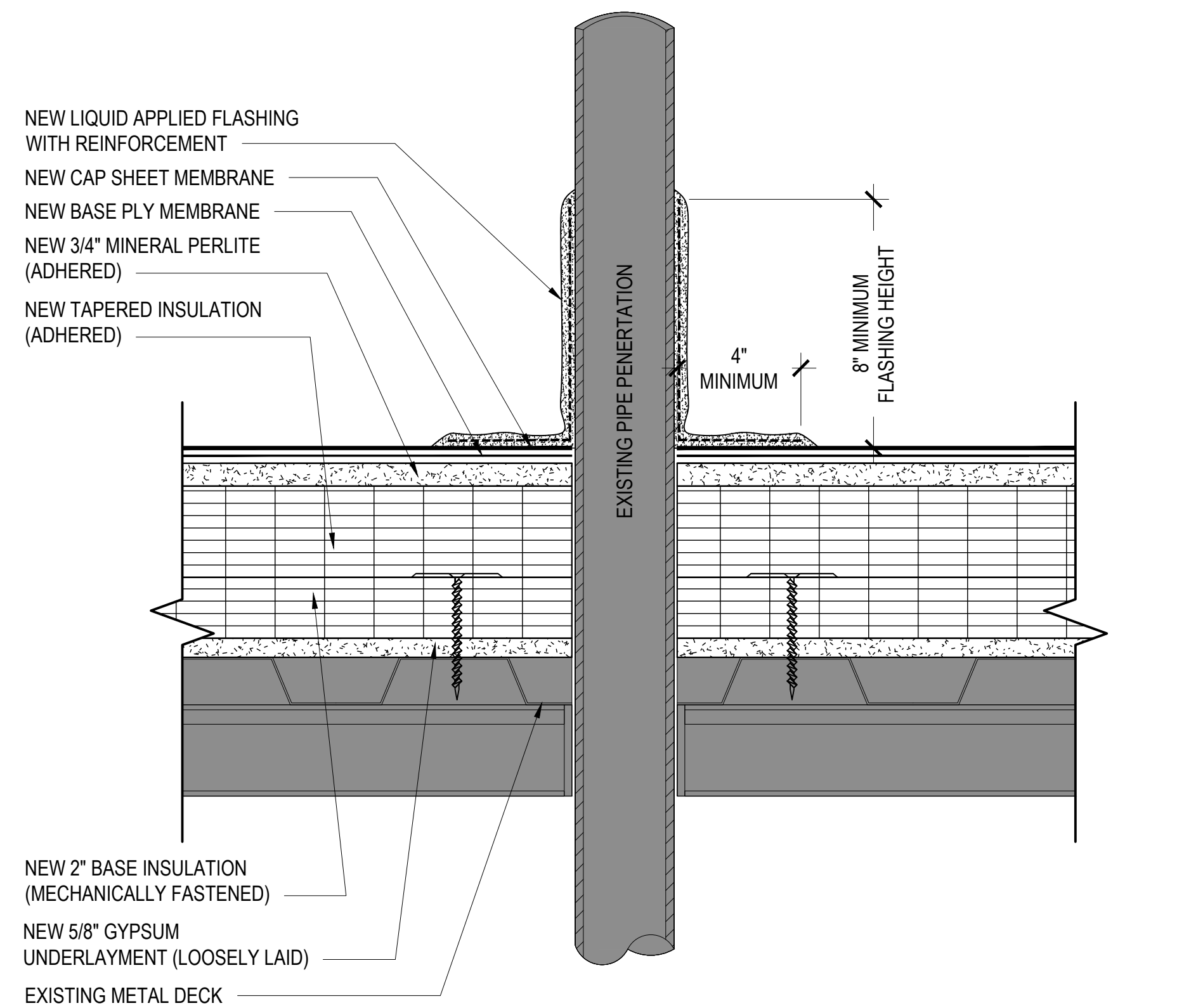
28 THROUGH-WALL SCUPPER DETAIL AT ROOF AREA F

3\"/>



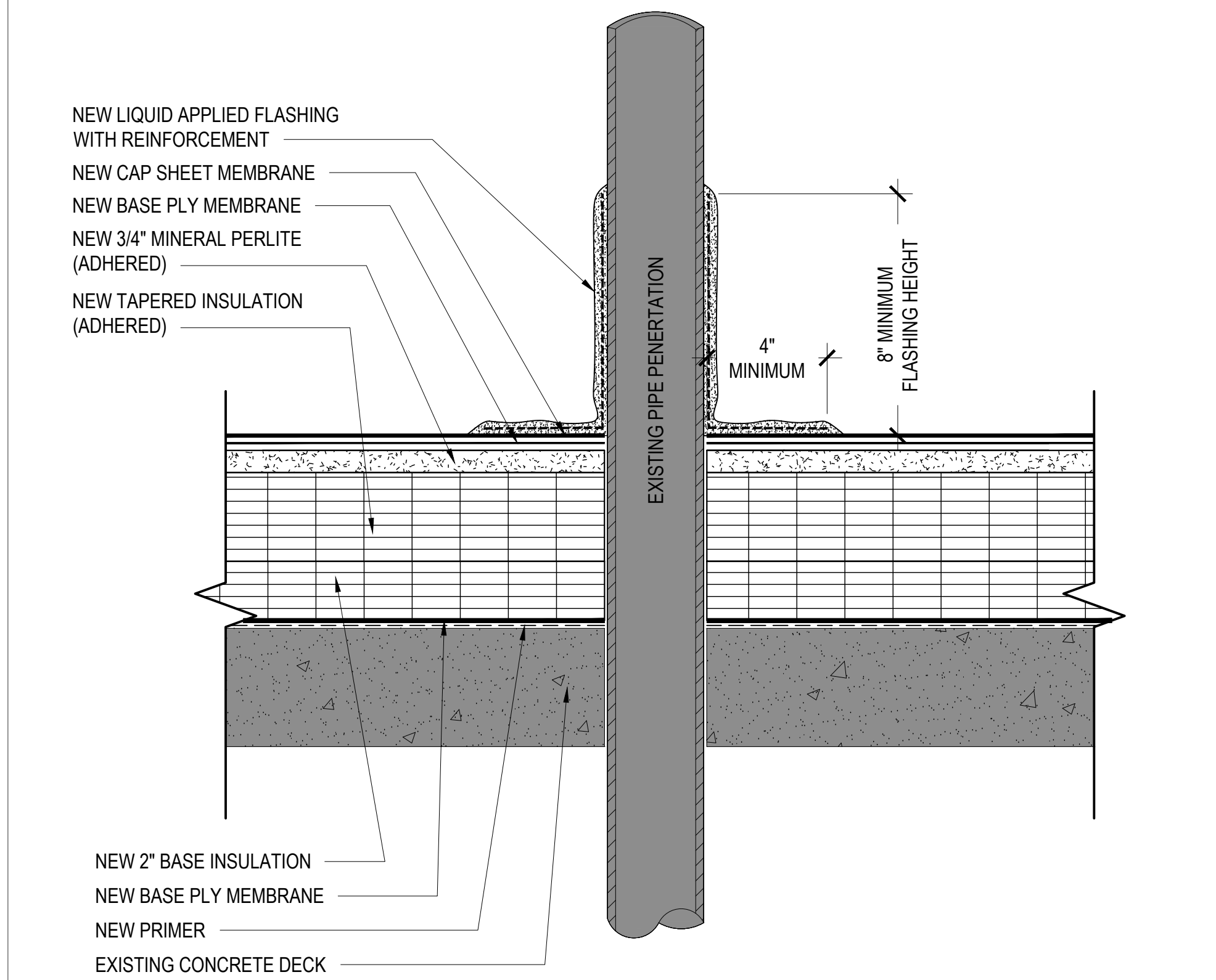
27 PARAPET WALL DETAIL AT ROOF AREA F

3\"/>



29 PIPE PENETRATION FLASHING DETAIL

3\"/>



30 PIPE PENETRATION FLASHING DETAIL

3\"/>

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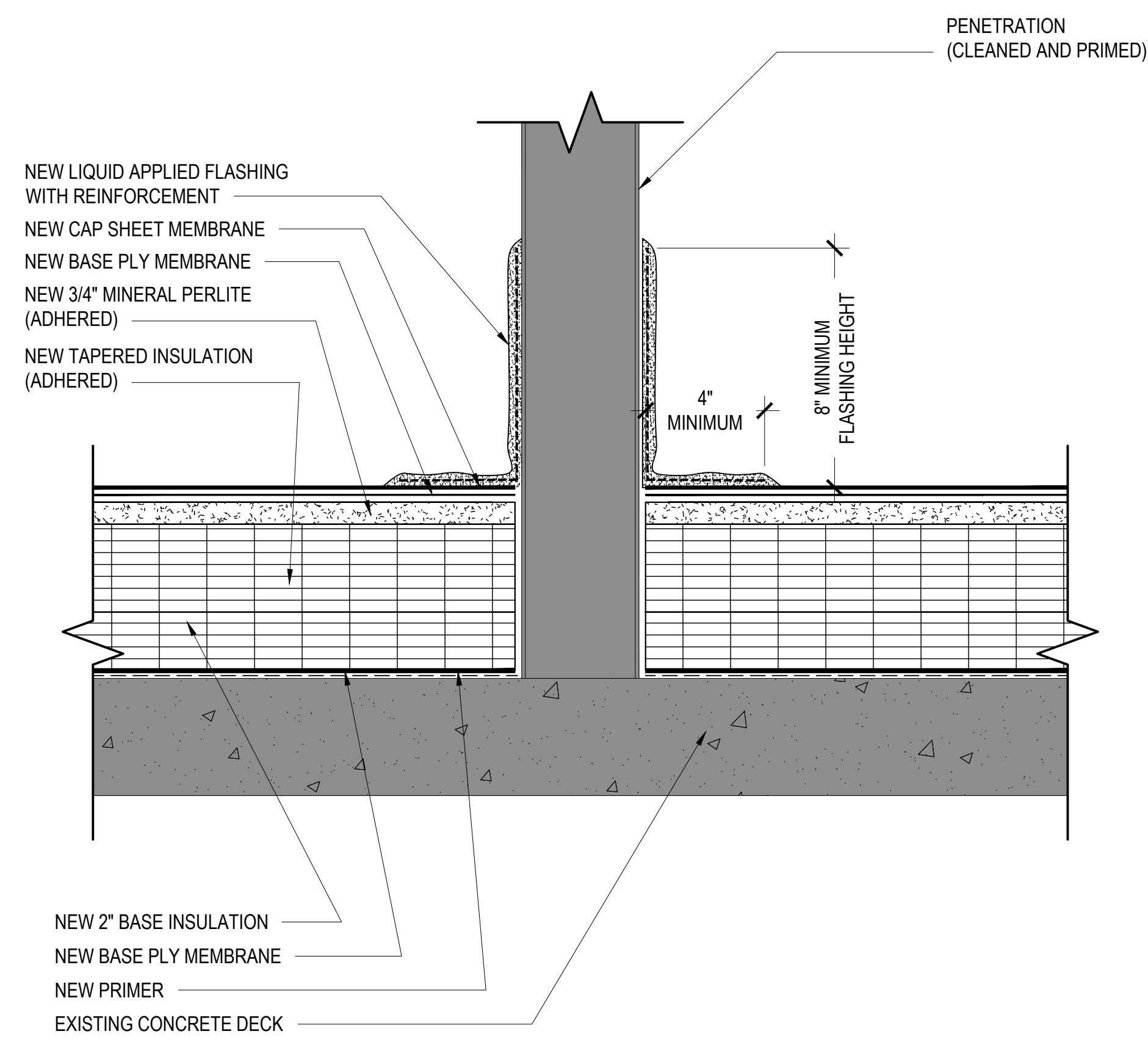
FH186084

TITLE SHEET:

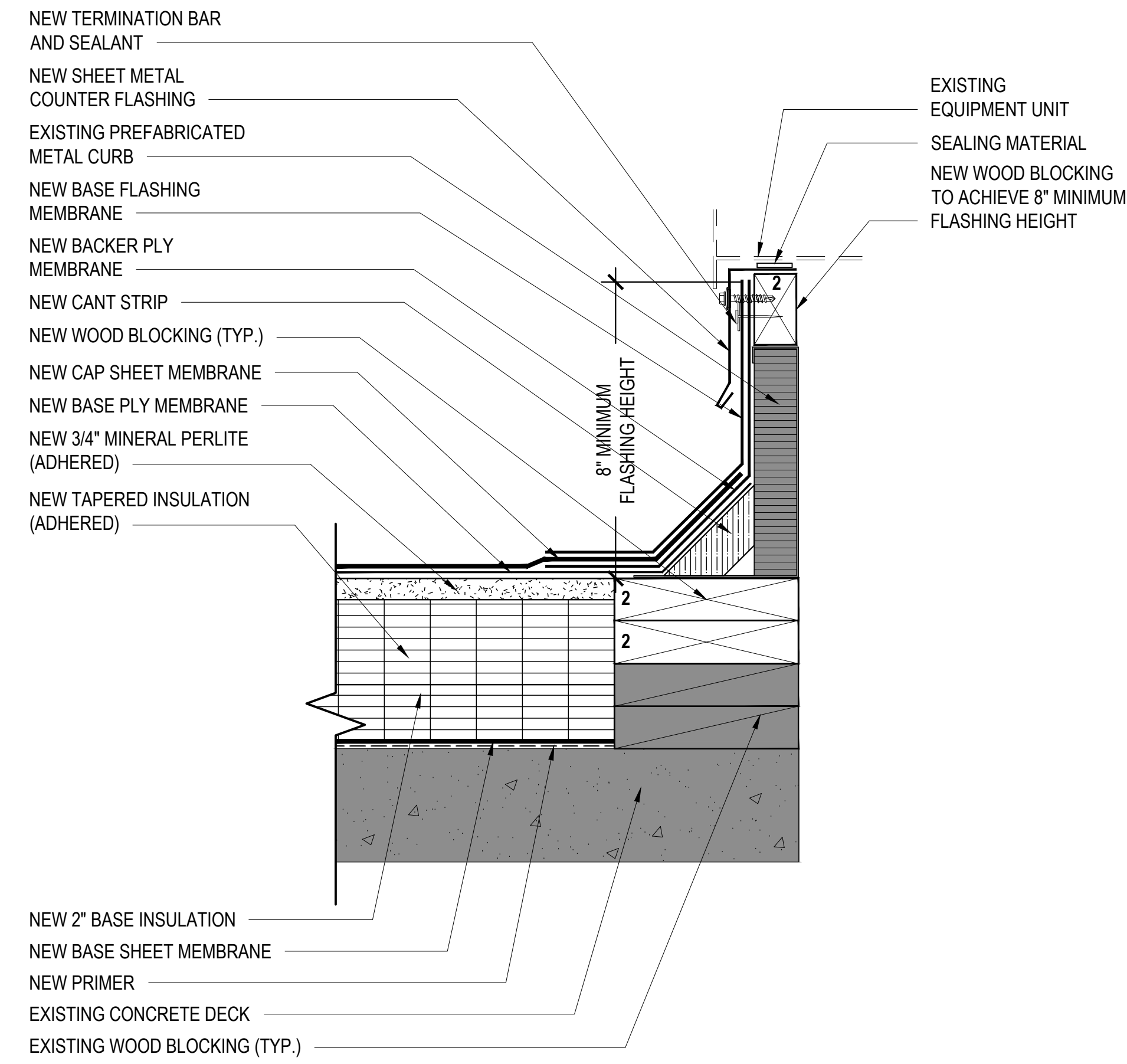
ROOF DETAILS

SHEET NUMBER:

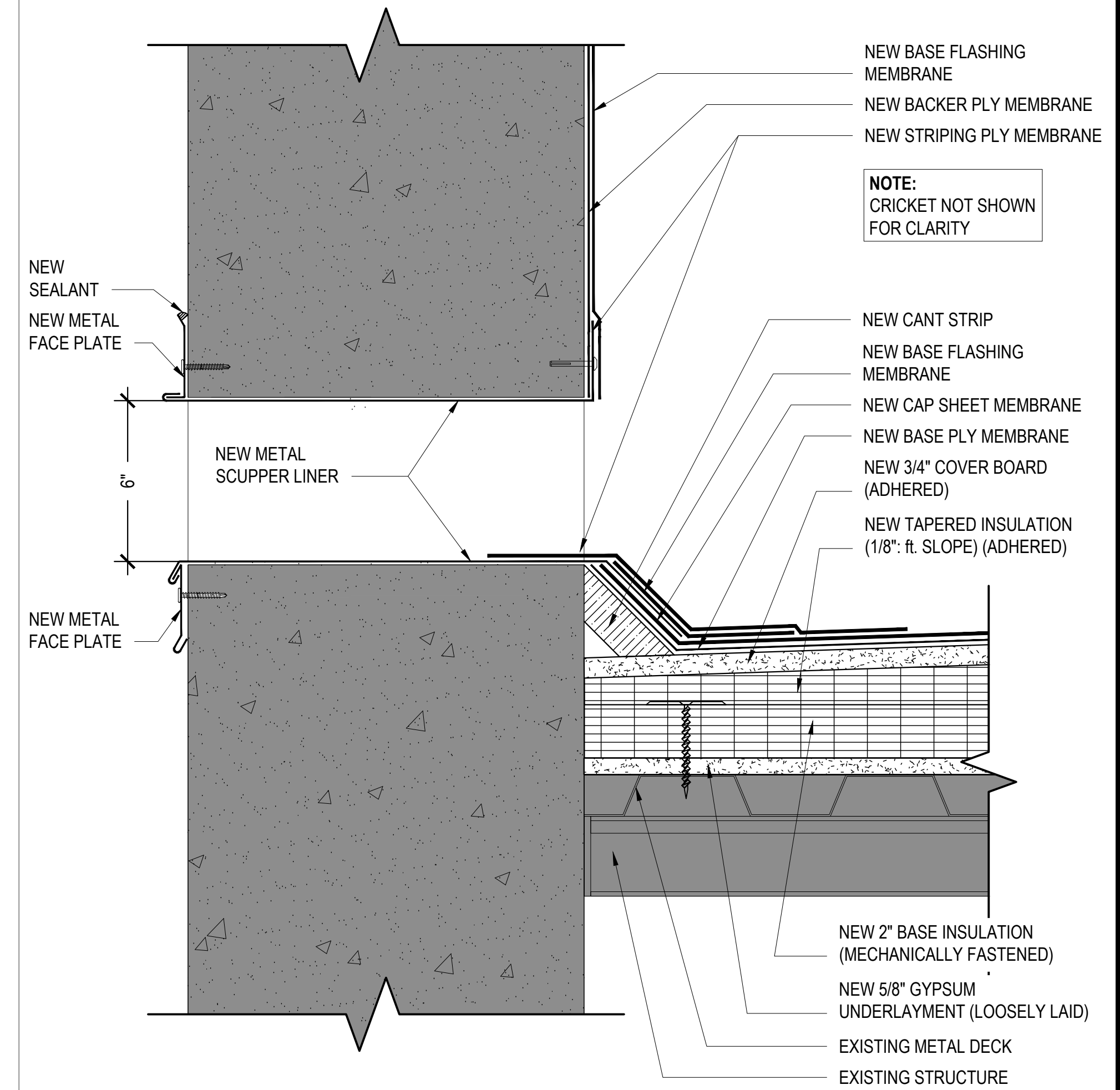
A-507



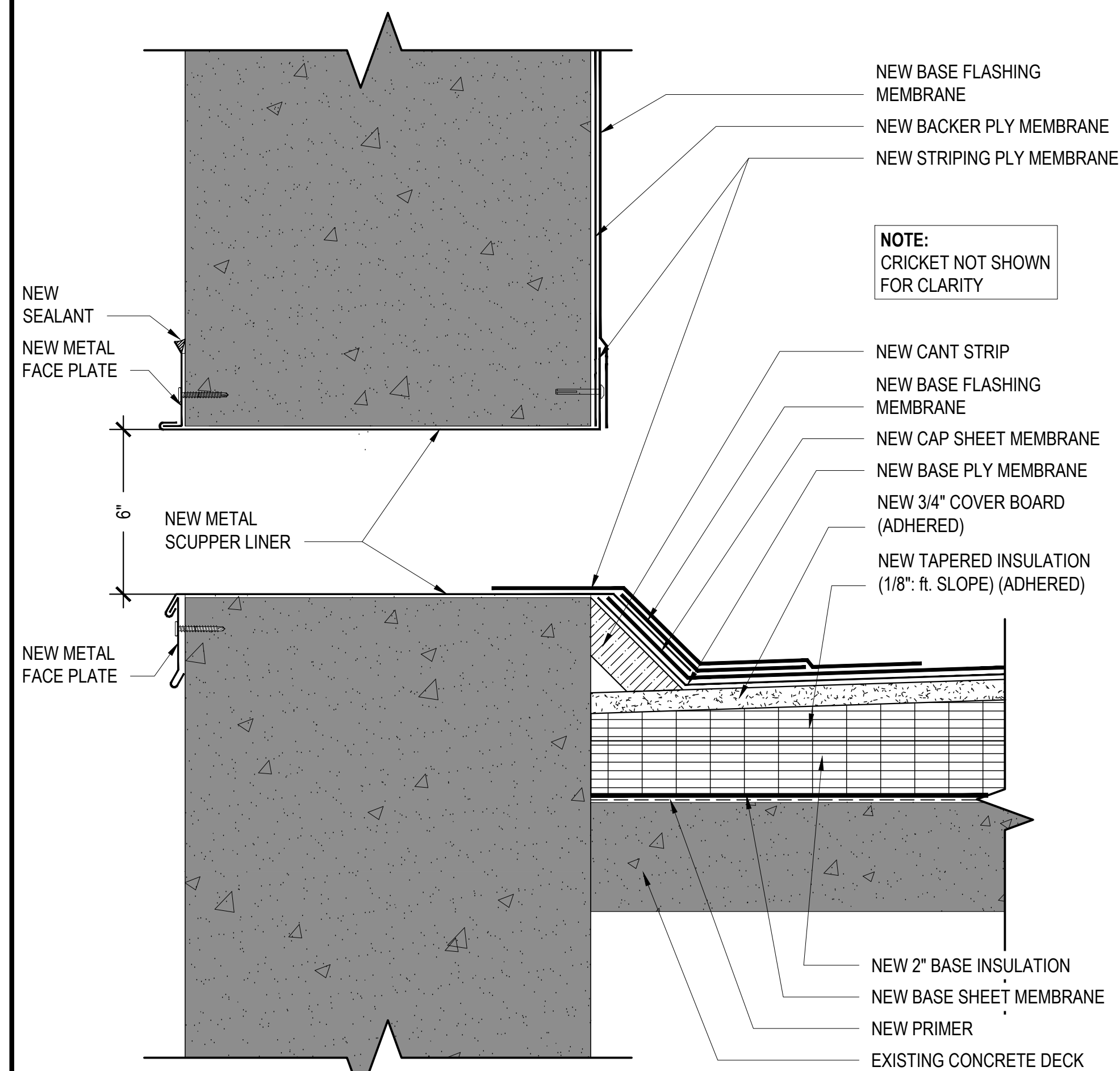
31 LIQUID FLASHING AT EQUIPMENT SUPPORT
3"=1'-0"



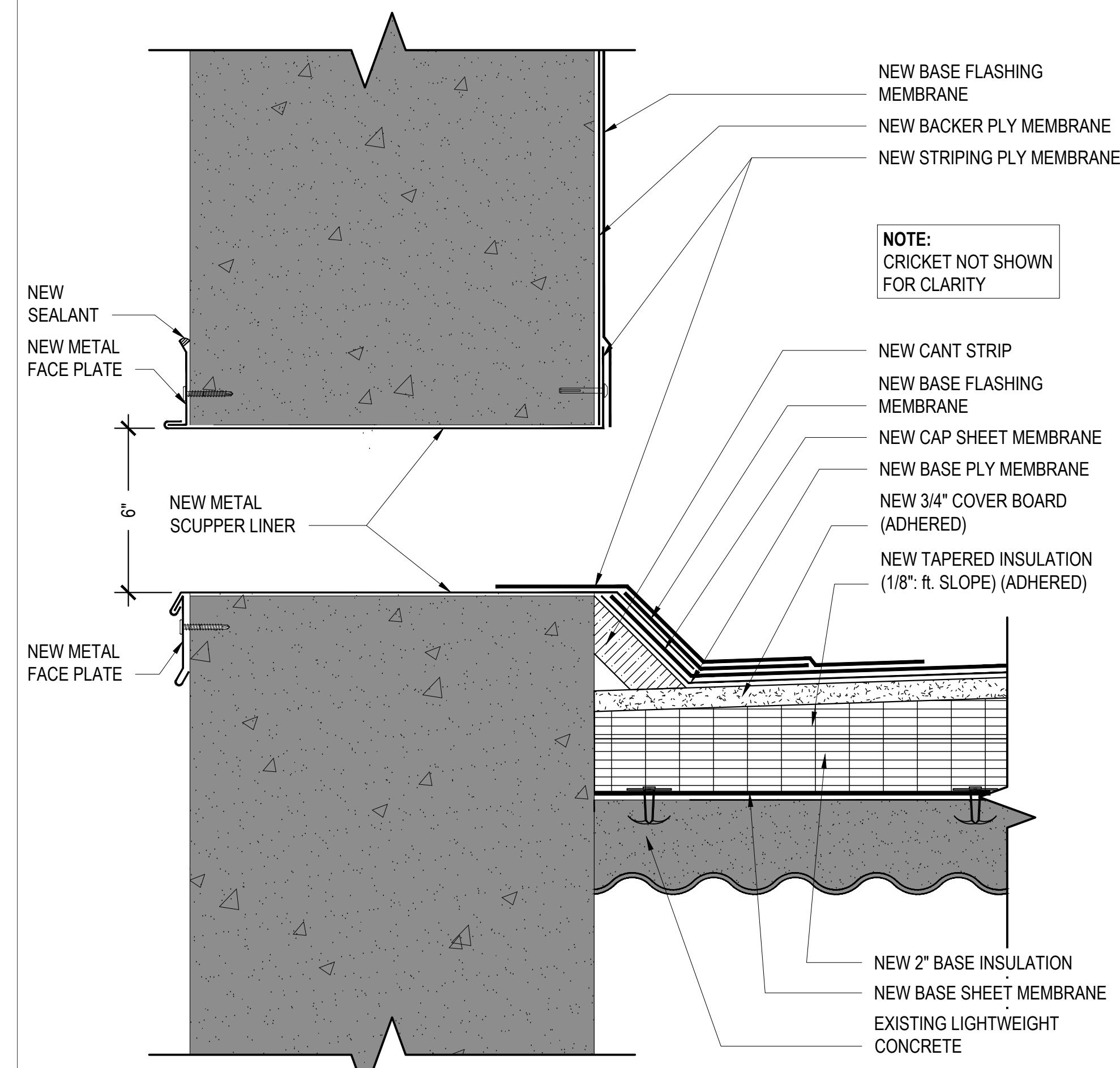
32 EQUIPMENT CURB DETAIL
3"=1'-0"



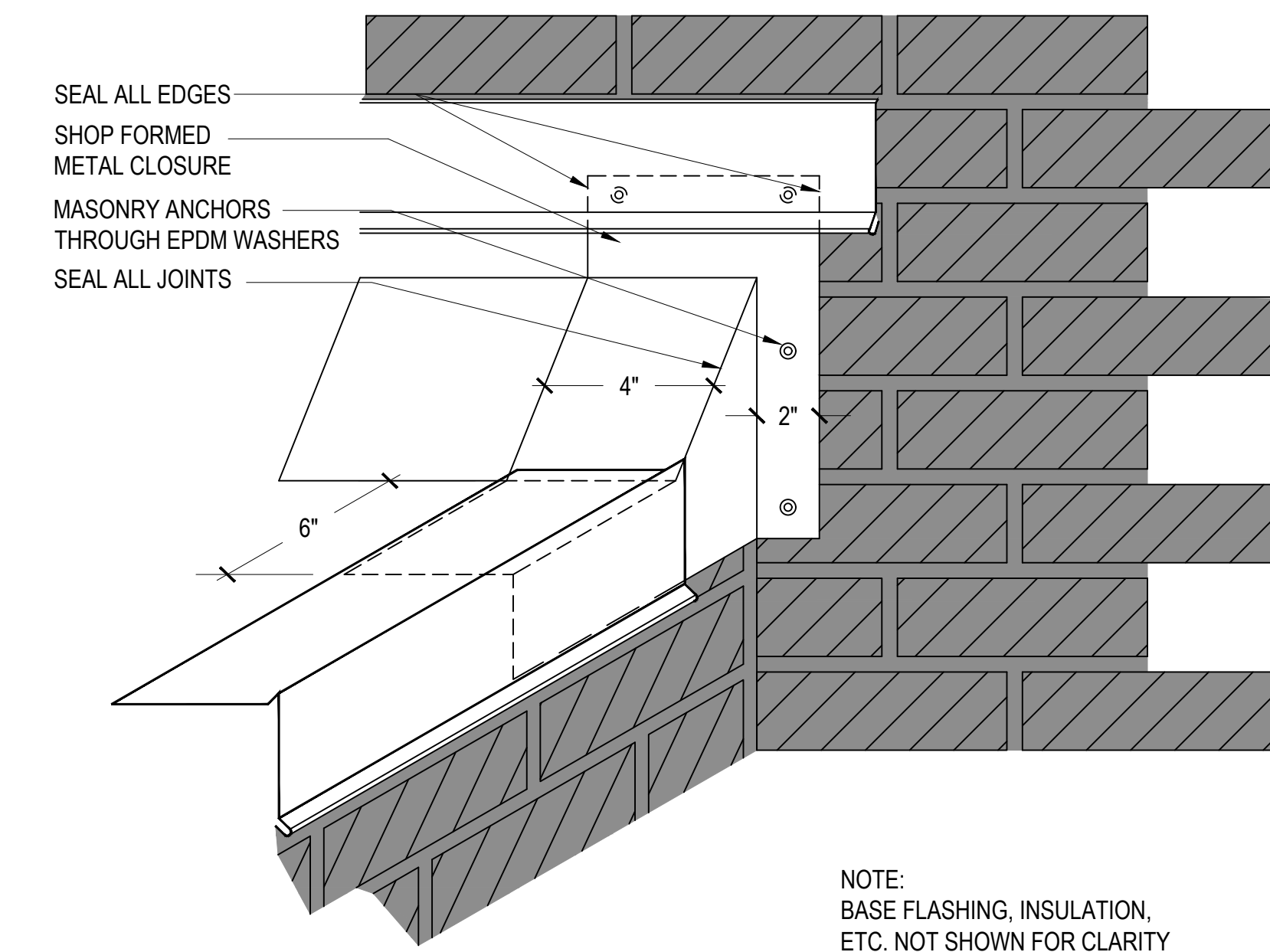
33 OVERFLOW SCUPPER DETAIL (METAL DECK)
3"=1'-0"



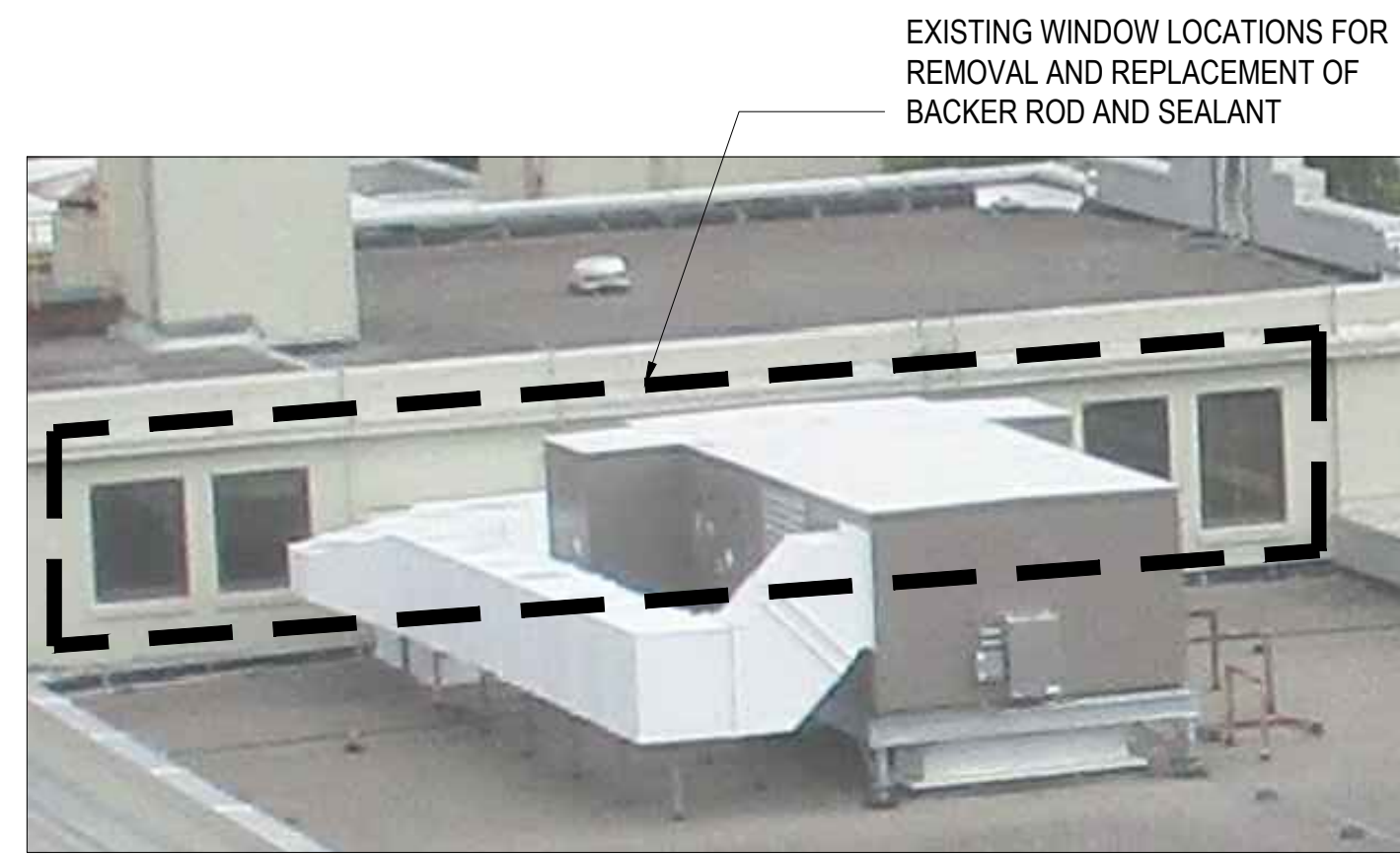
34 OVERFLOW SCUPPER DETAIL (CONCRETE DECK)
3"=1'-0"



35 OVERFLOW SCUPPER DETAIL (LIGHTWEIGHT CONCRETE DECK)
3"=1'-0"



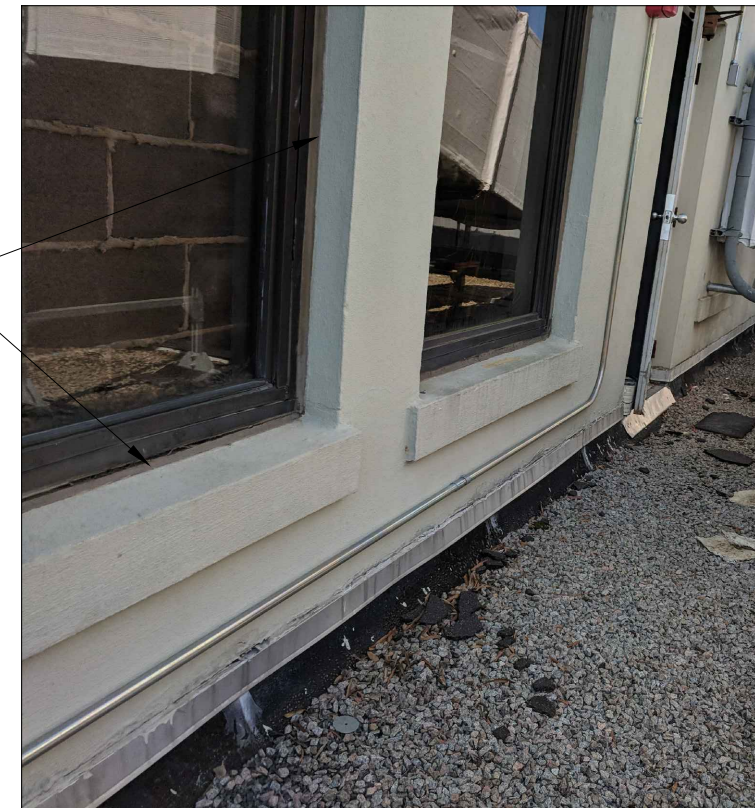
36 BASE FLASHING CLOSURE
NTS



EXISTING WINDOW LOCATIONS FOR REMOVAL AND REPLACEMENT OF BACKER ROD AND SEALANT

EXISTING WINDOWS ON ROOF AREAS A AND D.

REMOVE AND REPLACE ALL WINDOW PERIMETER SEALANT WITH NEW BACKER ROD AND SEALANT (TOTAL OF 12 WINDOWS)



CLOSE-UP OF EXISTING WINDOW ON ROOF AREAS A AND D (TYP.)

REPLACEMENT OF BACKER ROD AND SEALANT AT EXISTING WINDOWS ON ROOF AREAS A AND D (TYPICAL)

S37 NTS

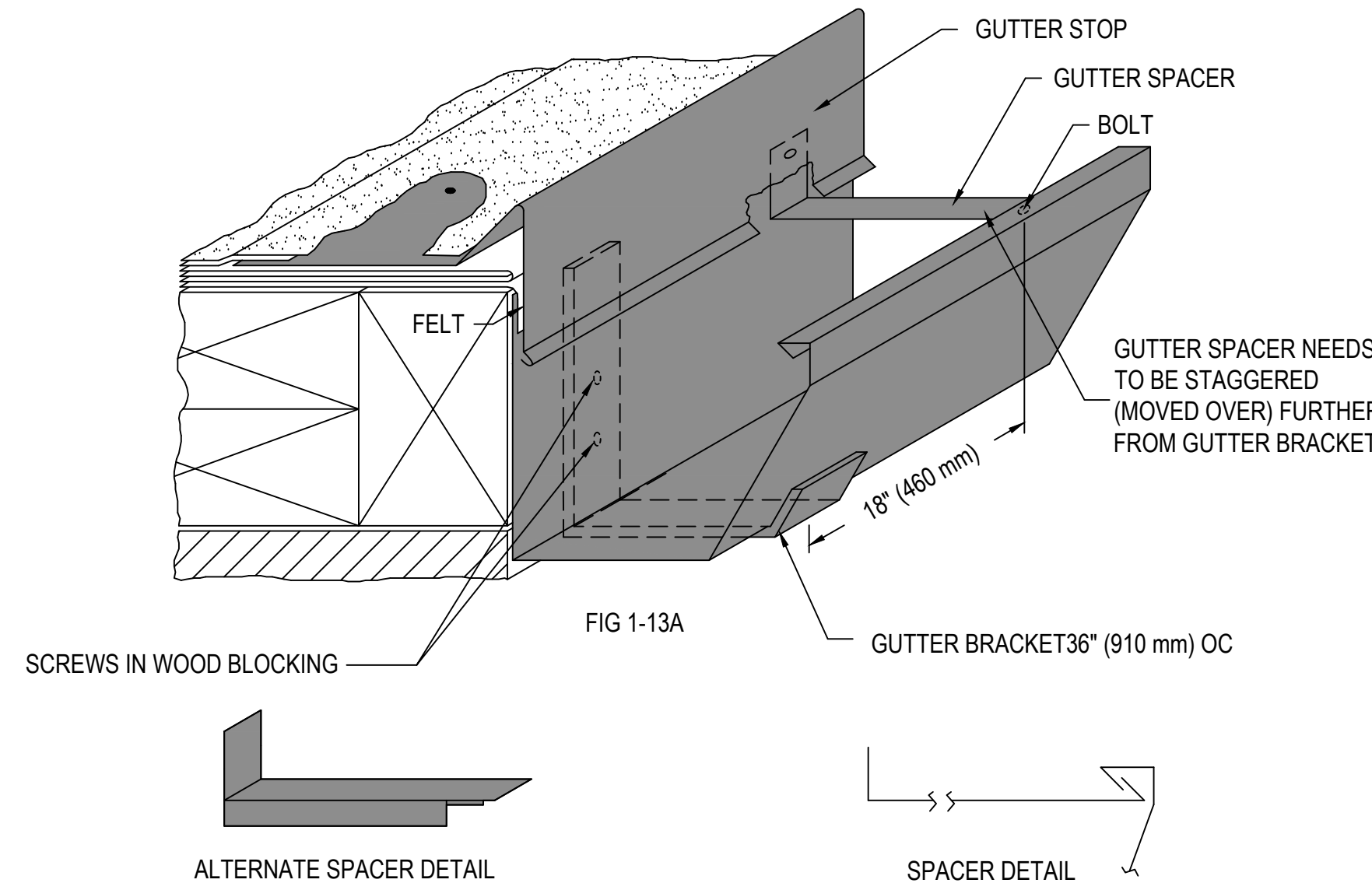


FIG 1-13A

S1 SMACNA DETAIL FIG. 1-13A

NTS

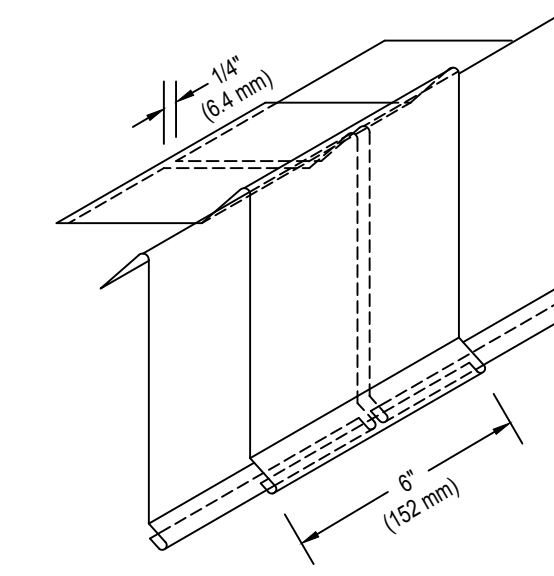


FIG 2-5A

S3 SMACNA DETAIL FIG. 2-5A

NTS

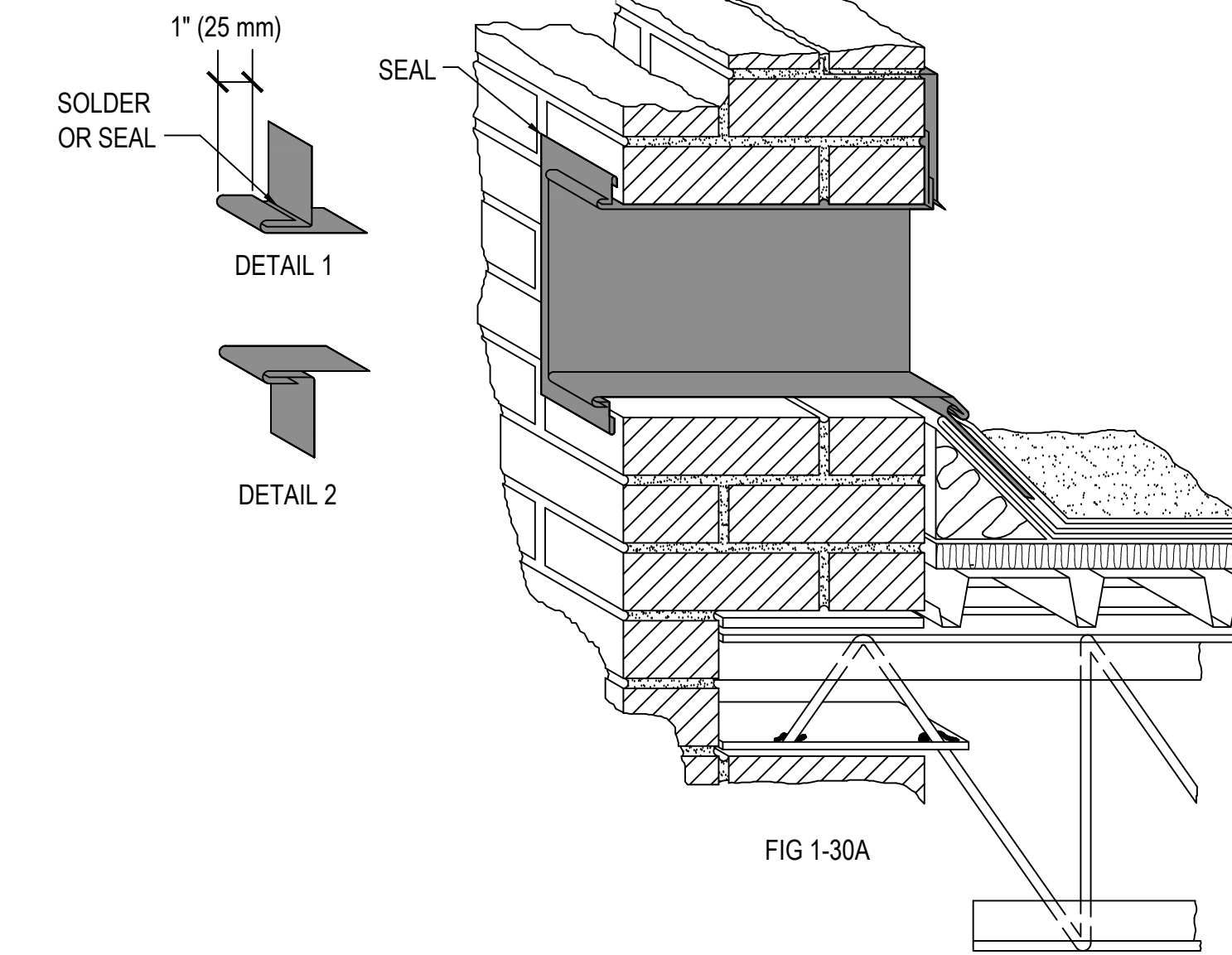


FIG 1-30A

S4 SMACNA DETAIL FIG. 1-30A

NTS

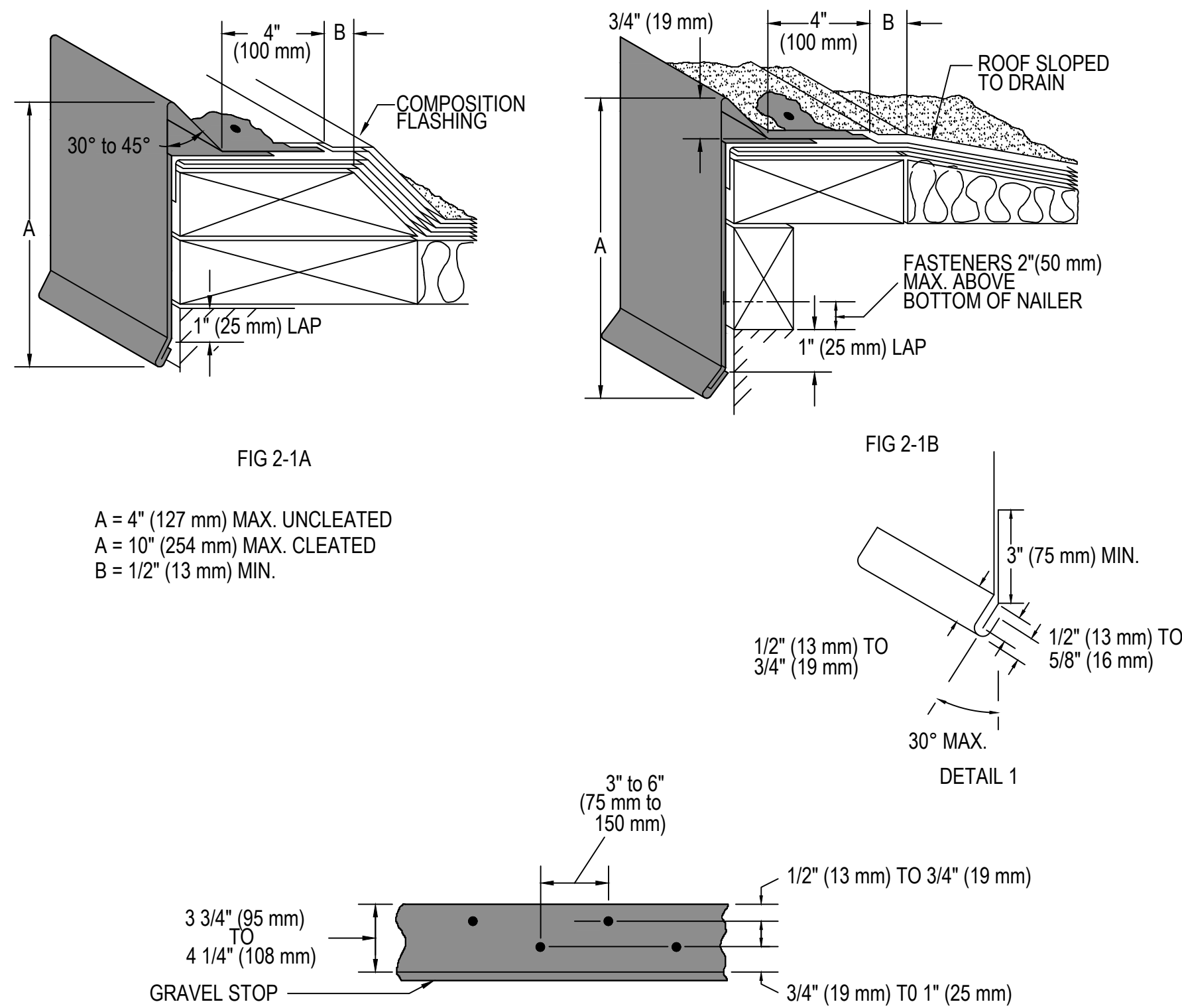


FIG 2-1A

FIG 2-1B

A = 4" (127 mm) MAX. UNCLEATED
A = 10" (254 mm) MAX. CLEATED
B = 1/2" (13 mm) MIN.

1/2" (13 mm) TO 3/4" (19 mm)
3" (75 mm) MIN.
1/2" (13 mm) TO 5/8" (16 mm)

DETAIL 1

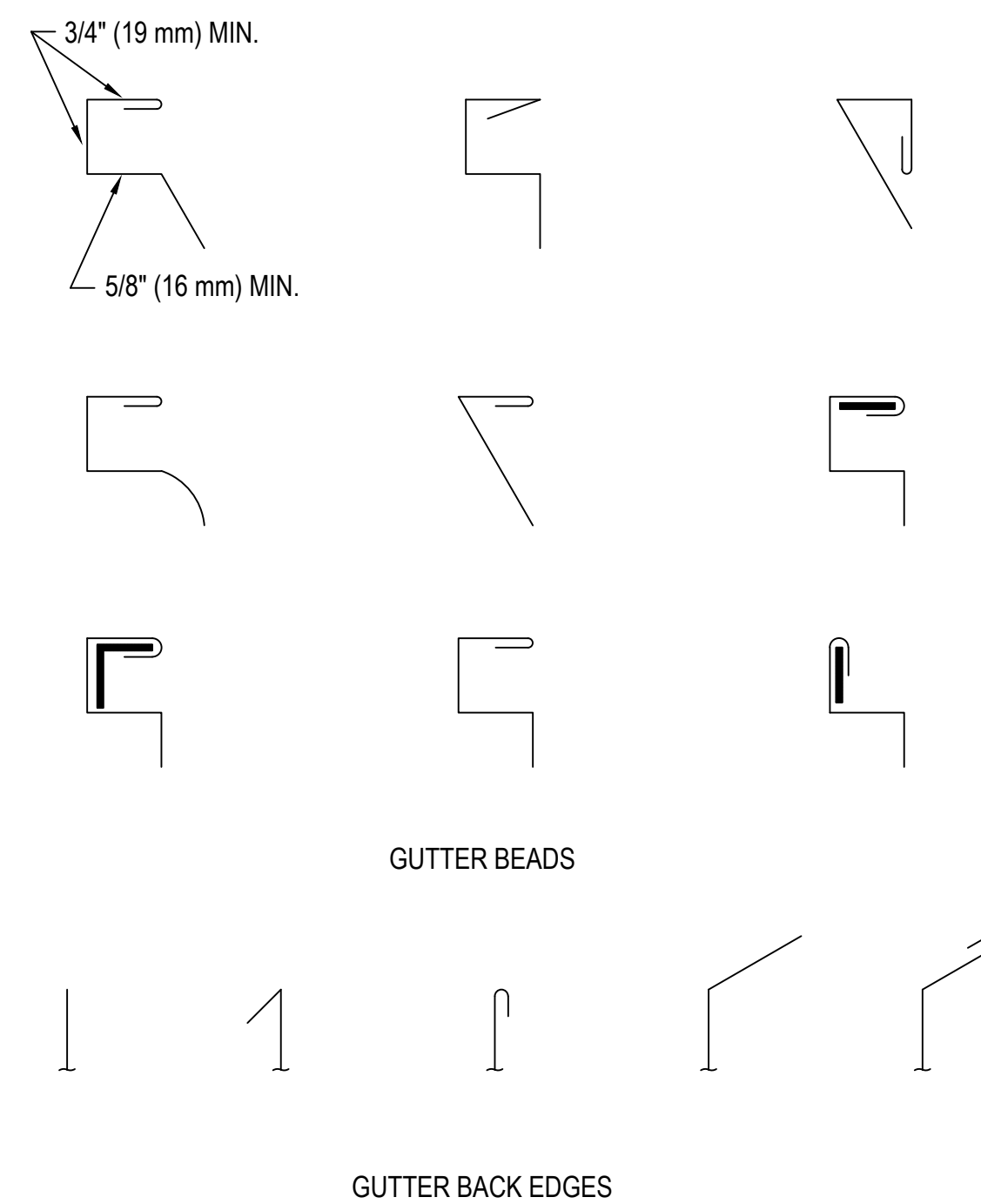
3 3/4" (95 mm) TO 4 1/4" (108 mm)
3/4" (19 mm) TO 1" (25 mm)
GRAVEL STOP

THESE REQUIREMENTS VARIAS BY ROOF SYSTEM. REFER TO THE MEMBRANE MANUFACTURER'S INSTRUCTIONS.

BASIC FLANGE NAILING PATTERN

S5 SMACNA FIG. 2-1

NTS



GUTTER BEADS

GUTTER BACK EDGES

S1 SMACNA DETAIL FIG. 1-2A

NTS

ENGINEER STATE LICENSE SEAL

PROJECT NAME AND ADDRESS:

University of South Carolina
**RE-BID WARDLAW COLLEGE
ROOF REPLACEMENT PROJECT
STATE PROJECT No.: 50003317-2**

Project Address:
820 South Main Street
Columbia, South Carolina 29208

ISSUE DATE:
01.28.2020

ISSUE FOR:
ISSUED FOR RE-BIDDING

ADDENDUM:
No. DATE DESCRIPTION:

PROJECT TEAM:
DESIGNED BY:
SSS
DRAWN BY:
EGM II
APR REVIEWER:
LTH

TERRACON'S PROJECT NUMBER:
FH186084

TITLE SHEET:
**ROOF DETAILS AND
SMACNA DETAILS**

SHEET NUMBER:

A-509

PROJECT DESCRIPTION:

- 1. ALL BUILDING CODES AND DESIGN LOADS ARE SHOWN ON THIS SHEET.
- 2. ANY AND ALL PERMITS REQUIRED SHALL BE THE RESPONSIBILITY OF THE BUILDING CONTRACTOR.

GENERAL

- 1. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
- 2. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND HE WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 3. A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATIONS OF ALL UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA, HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION AND SHALL DETERMINE THE EXACT LOCATION OF UTILITIES IN THE AREA.
- 4. APPROVAL OF THESE PLANS SHALL NOT PREVENT THE CITY/COUNTY FROM REQUIRING CORRECTION OF ERROR IN THE PLANS WHERE SUCH ERRORS ARE SUBSEQUENTLY FOUND TO BE IN VIOLATION OF ANY ORDINANCE, OR OTHER HEALTH/SAFETY ISSUE.
- 5. NOTES BELOW ARE INTENDED TO SERVE AS SPECIFICATIONS. SEE REFERENCED STANDARDS FOR REQUIREMENTS IN ADDITION TO THESE NOTES.
- 6. CONTRACTOR SHALL TAKE ALL FIELD DIMENSIONS AND ELEVATIONS AS NECESSARY TO VERIFY THE EXISTING CONDITIONS SHOWN. THE RESPONSIBILITY OF ALL FIELD DIMENSIONS IS THE CONTRACTOR'S.
- 7. COORDINATE LOCATION OF EXISTING UTILITIES, IF ANY, WITH PROPERTY OWNER.
- 8. ALL SAFETY REGULATIONS TO BE FOLLOWED STRICTLY. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL IS CONTRACTOR'S RESPONSIBILITY.

BUILDING PLANNING

- 1. ENGINEERS SEAL ONLY APPLIES TO NEW WORK ONLY, NO EXISTING WORK IS COVERED.
- 2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND FEASIBILITY PRIOR TO ORDERING MATERIALS AND CONSTRUCTION.
- 3. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE 2015 SOUTH CAROLINA EXISTING BUILDING CODE PLUS ALL LOCAL CODES AND REGULATIONS.
- 4. ANY ITEMS OR DESIGN NOT SPECIFICALLY MENTIONED SHALL MEET OR EXCEED BUILDING CODE REQUIREMENTS.
- 5. VERIFY ALL LOCAL CODES, ENERGY TYPES, AND SITE CONDITIONS PRIOR TO CONSTRUCTION.

PRIMARY CODES AND SPECIFICATIONS:

- 1. GENERAL BUILDING CODE: 2015 SOUTH CAROLINA BUILDING CODE (WITH ADDENDA)
- 2. MASONRY: ACI 530-2011
- 3. CARBON FIBER: ACI 440.7R-10

DIMENSIONS:

- 1. **CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS AND ELEVATIONS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH ENGINEER.**

DEMOLITION NOTES

- 1. MATERIAL REMOVED FROM THIS PROJECT SITE SHALL BE DISPOSED OF IN A PROPER AND LEGAL MANNER.
- 2. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL DEVICES AS REQUIRED DURING DEMOLITION/EXCAVATION PER LOCAL REQUIREMENTS.
- 3. CONTRACTOR MUST TAKE CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITIES. ACTUAL FIELD LOCATIONS OF EXISTING UTILITIES MUST BE LOCATED PRIOR TO START OF DEMOLITION.
- 4. EXERCISE EXTREME CARE DURING DEMOLITION SO AS NOT TO DAMAGE ITEMS THAT ARE INTENDED TO REMAIN.
- 5. ANYTHING DAMAGED AT THE TIME OF WORK IS TO BE REPAIRED AND/OR REPLACED TO MATCH EXISTING CONSTRUCTION AT CONTRACTOR'S EXPENSE.

DESIGN LOADS

- 1. ALL DEAD LOADS
- 2. WIND DESIGN CRITERIA: (ASCE 7-10)
EXPOSURE C
BASIC WIND SPEED115 MPH
IMPORTANCE FACTOR.....1.0

CONNECTIONS/FASTENERS

- 1. CONTRACTOR TO MATCH EXISTING FASTENER TYPES AND SPACING REQUIRED TO REINSTALL MATERIALS REMOVED.

CONCRETE MASONRY

- 1. REFER TO SPECIFICATIONS FOR ADDITIONAL CONCRETE MASONRY UNIT REQUIREMENTS.
- 2. TYPE "S" MORTAR SHALL BE USED FOR ALL CONCRETE MASONRY REPAIRS.

CARBON FIBER

- 1. REFER TO CONSTRUCTION SPECIFICATIONS FOR ADDITIONAL CARBON FIBER REQUIREMENTS.
- 2. SURFACE OF CMU ON WALLS RECEIVING CARBON FIBER WRAP TO BE MEDIA BLASTED WITH A MEDIA WHICH DOES NOT DAMAGE THE FACE OF THE CMU (SODA OR DRY ICE).
- 3. VERTICAL AND HORIZONTAL MORTAR JOINTS SHALL BE RE-POINTED IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS. TOOL SURFACE JOINTS TO A FLUSH SURFACE.
- 4. MORTAR SHALL BE CURED A MIN. OF 28 DAYS PRIOR TO APPLICATION OF CARBON FIBER.
- 5. CONVEX MORTAR JOINTS SHALL BE FILLED WITH SIKADUR 31 HIGH MOD GEL TO PROVIDE FLUSH SURFACE.
- 6. PROVIDE SIKAWRAP 117C WITH SIKADUR 300/330 RESIN. APPLY PRODUCTS IN ACCORDANCE WITH MANUFACTURER WRITTEN INSTRUCTIONS, THESE DRAWINGS AND CONSTRUCTION SPECIFICATIONS.
- 7. DO NOT APPLY CARBON FIBER PRODUCTS IF AMBIENT AND/OR SURFACE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT. PROVIDE HEATED SPACE AS REQUIRED TO BRING TEMPERATURES UP TO 40 DEGREES AND MEET CONSTRUCTION SCHEDULE.

ENGINEER STATE LICENSE SEAL



PROJECT NAME AND ADDRESS:

University of South Carolina
WARDLAW COLLEGE
ROOF REPLACEMENT PROJECT
ALTERNATE No. 2
STATE PROJECT No.: 50003317-2
Project Address:
820 South Main Street
Columbia, South Carolina 29208

ISSUE DATE:
07.03.2019

ISSUE FOR:
ISSUED FOR BIDDING

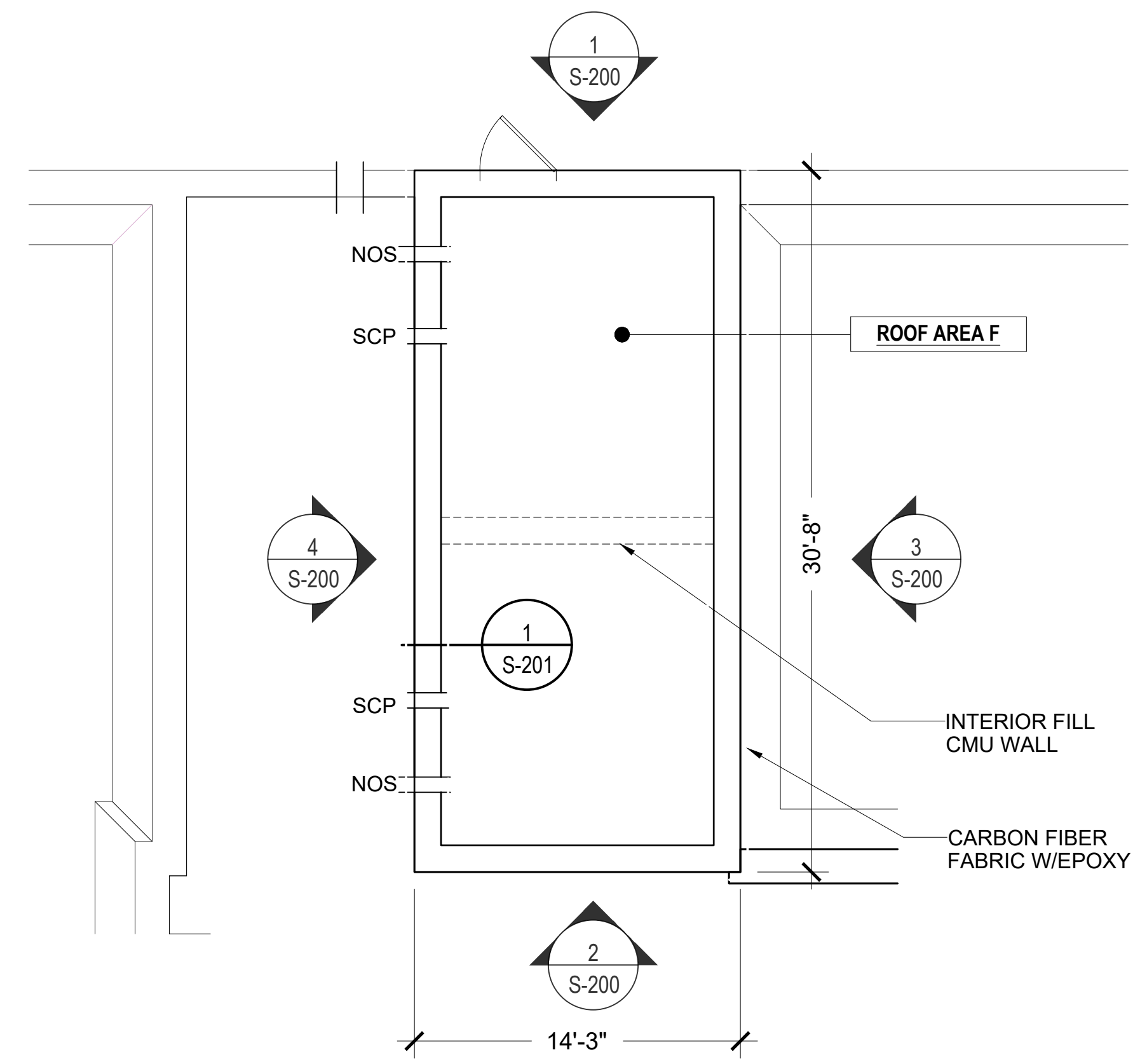
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No. DATE DESCRIPTION:

PROJECT TEAM:
DESIGNED BY:
SSS
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APR REVIEWER:
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TERRACON'S PROJECT NUMBER:
FH186084

TITLE SHEET:
STRUCTURAL
GENERAL NOTES

SHEET NUMBER:
S-100



1 PARTIAL PLAN AREA F
SCALE: 3/16" = 1'-0"

ENGINEER STATE LICENSE SEAL



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TERRACON'S PROJECT NUMBER:
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TITLE SHEET:
ENLARGED ROOF PLAN
AREA F

SHEET NUMBER:
S-101



University of South Carolina
WARDLAW COLLEGE
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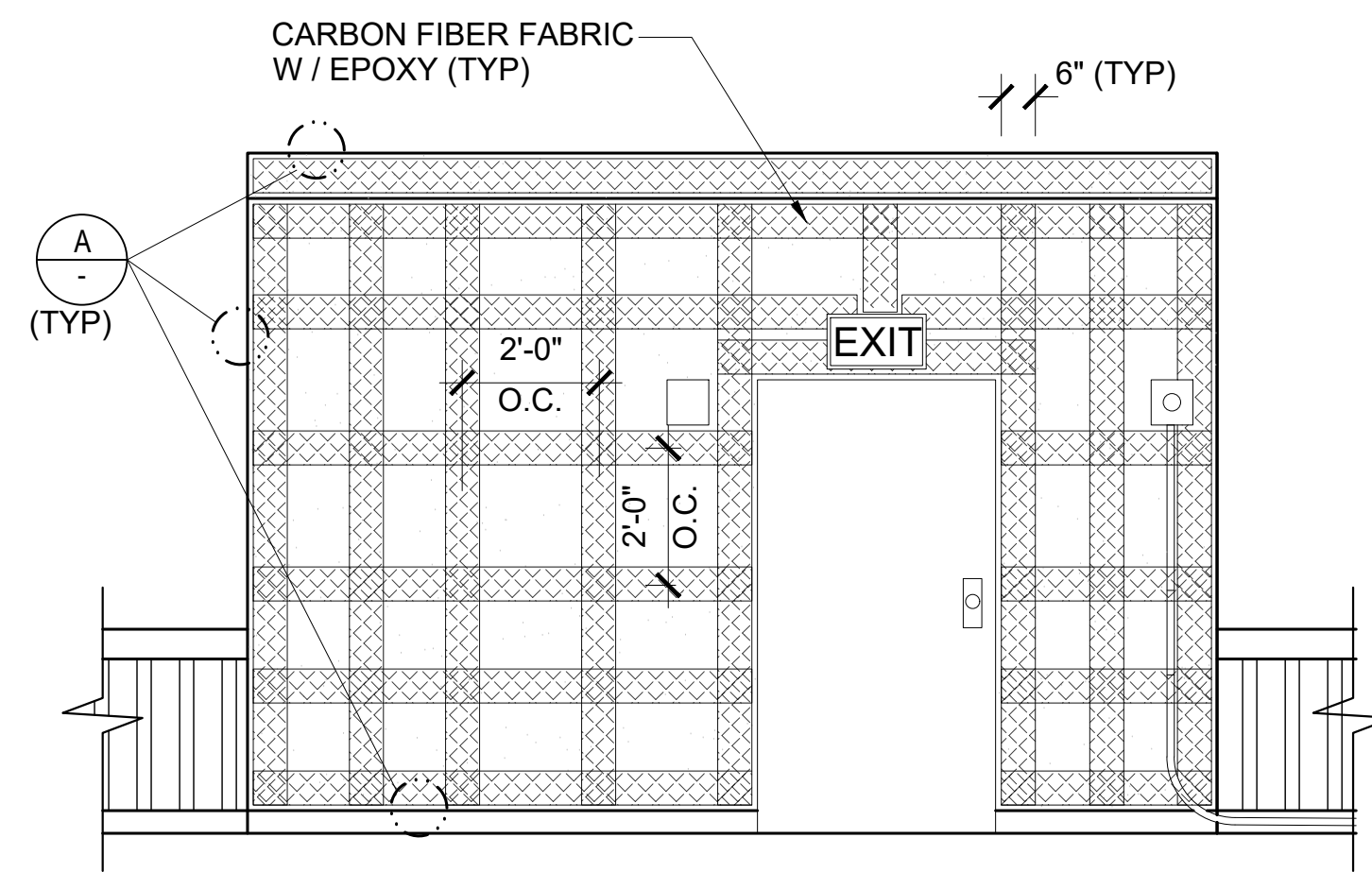
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APR REVIEWER:
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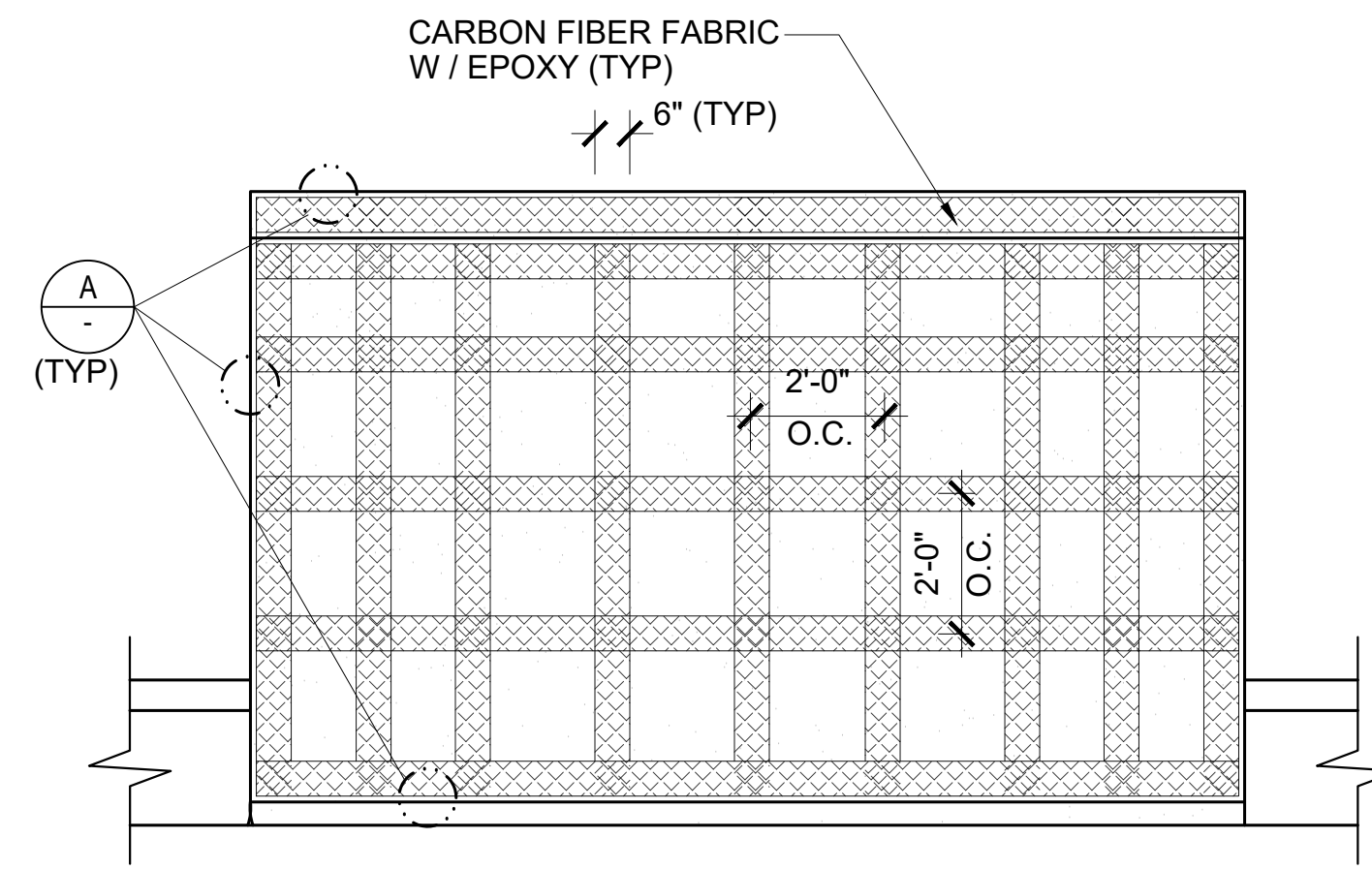
TITLE SHEET:
**ELEVATIONS
AND DETAILS**

SHEET NUMBER:

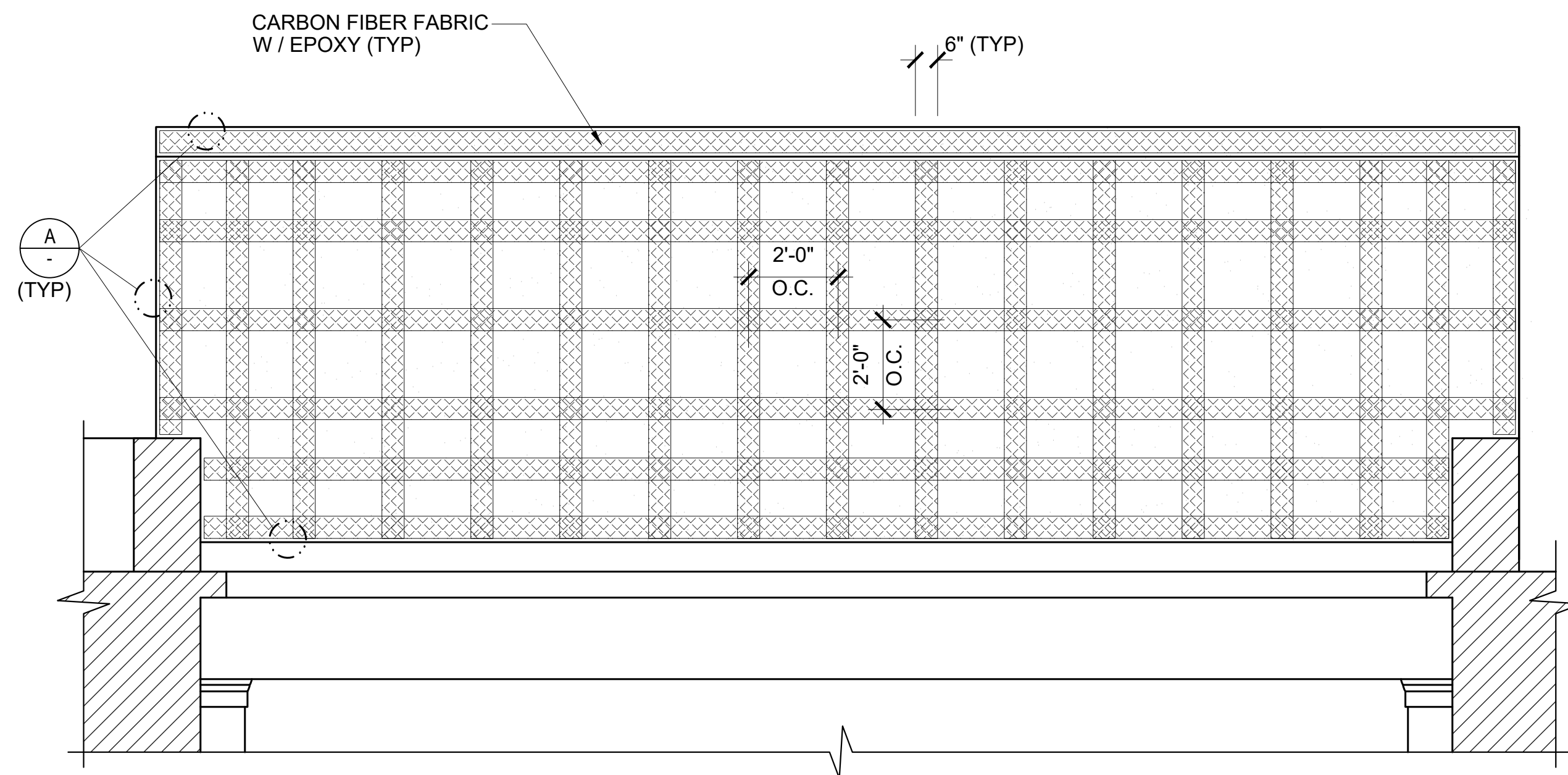
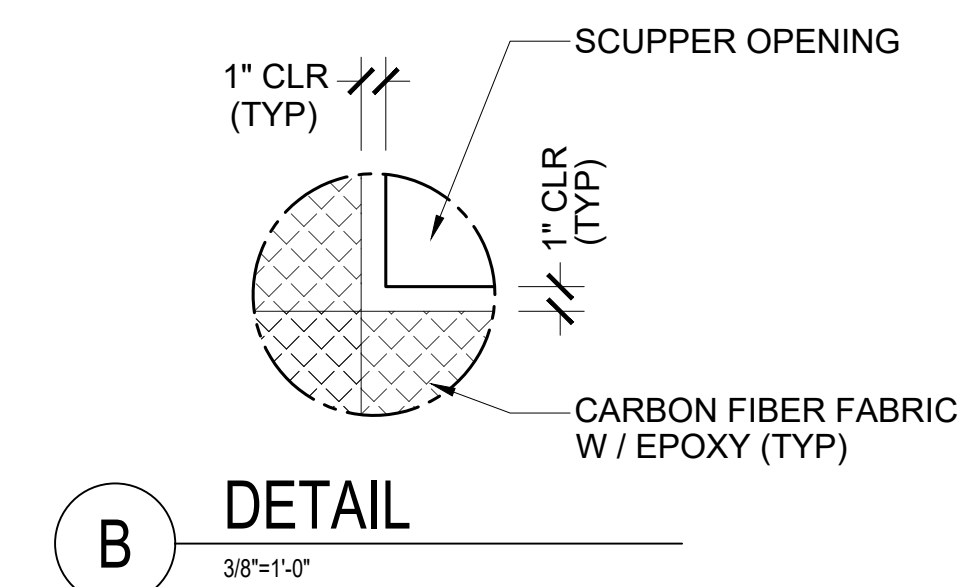
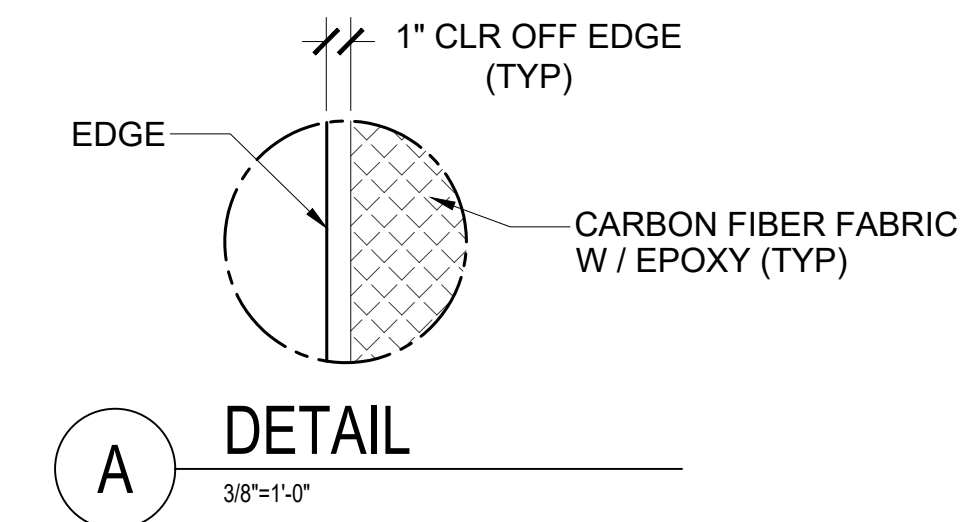
S-200



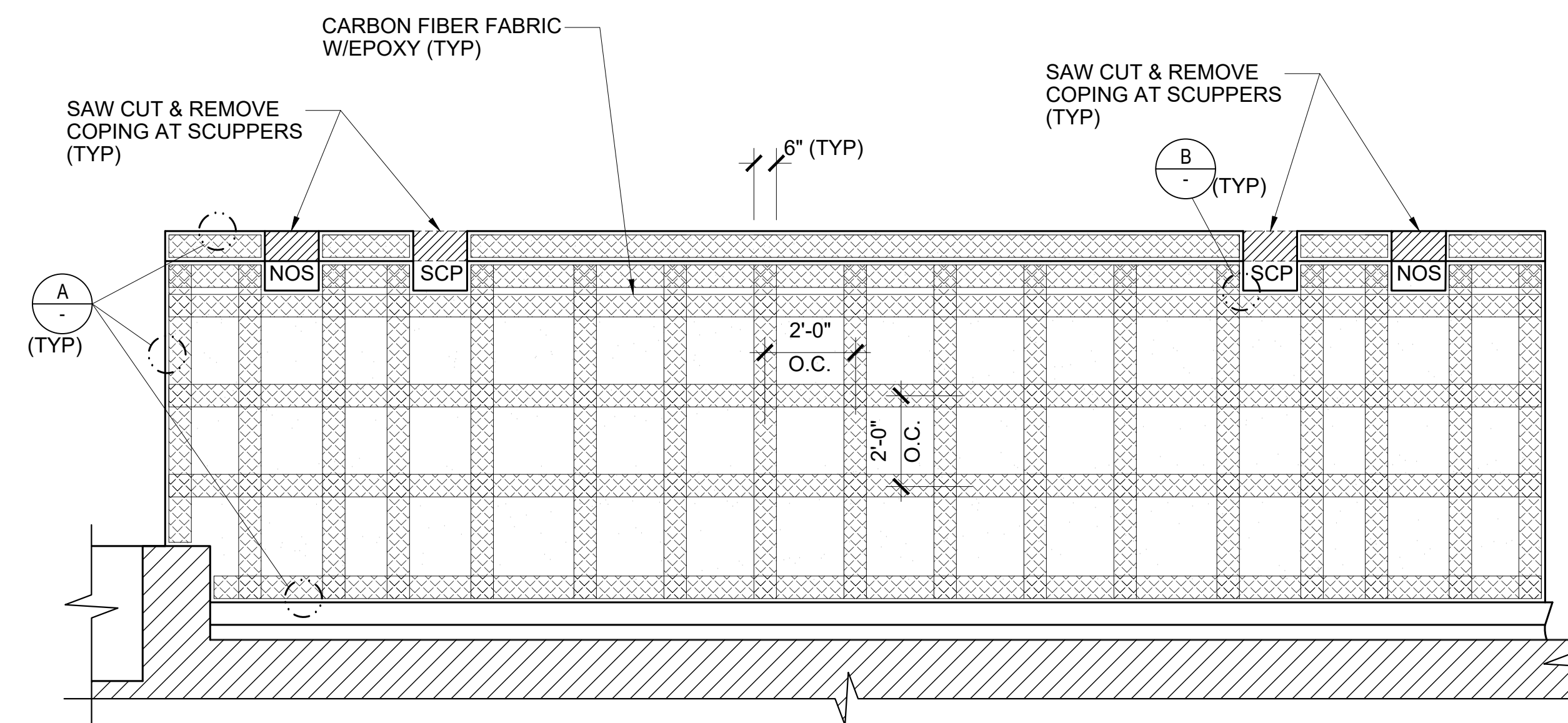
1 ELEVATION
SCALE: 3/8" = 1'-0"



2 ELEVATION
SCALE: 3/8" = 1'-0"

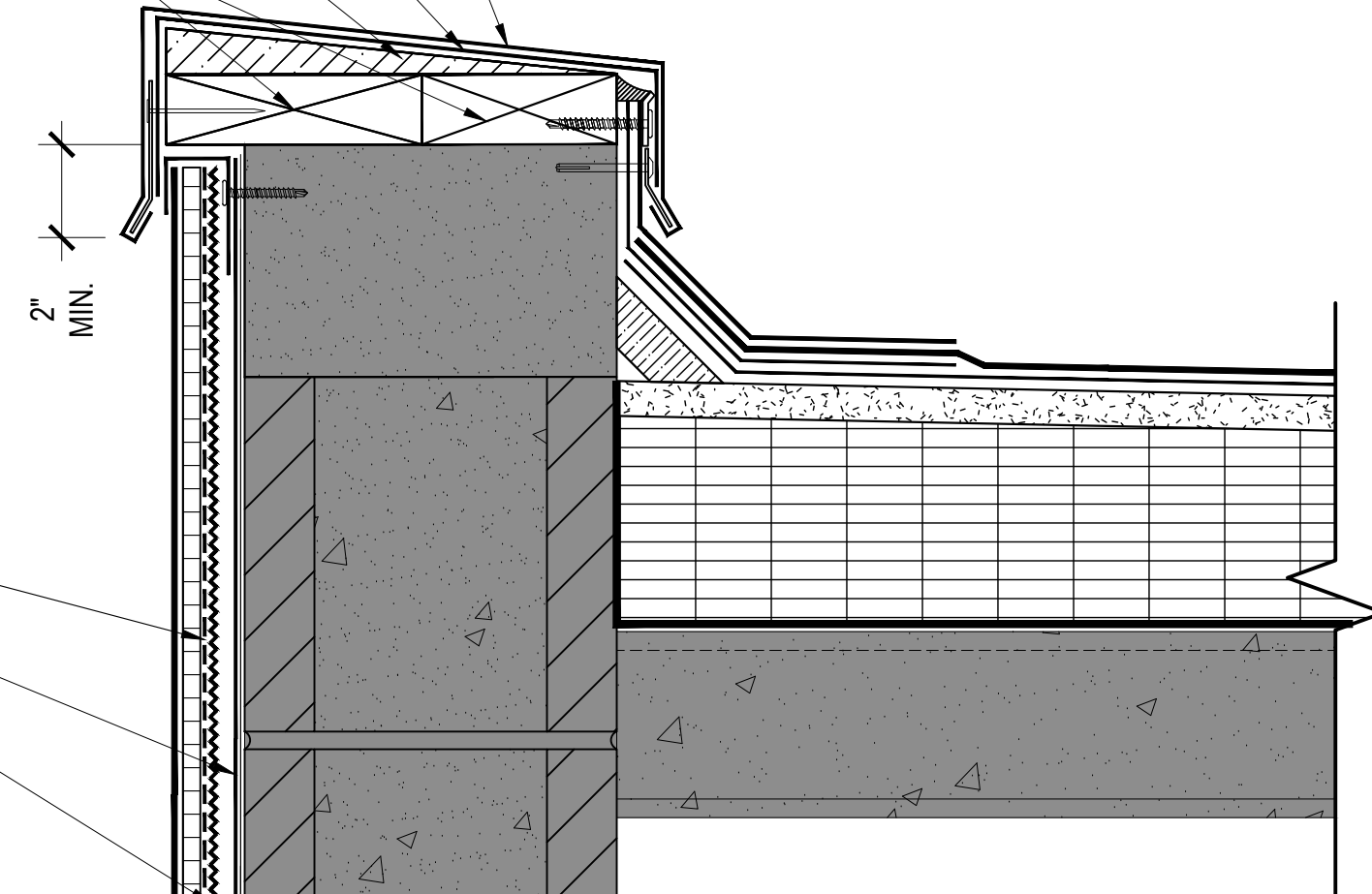


3 ELEVATION
SCALE: 3/8" = 1'-0"



4 ELEVATION
SCALE: 3/8" = 1'-0"

NEW STANDING SEAM COPING
CAP WITH CONTINUOUS CLEAT
ON BOTH SIDES
NEW SELF-ADHERING
MEMBRANE
NEW TAPERED EDGE STRIP
NEW WOOD BLOCKING (TYP.)



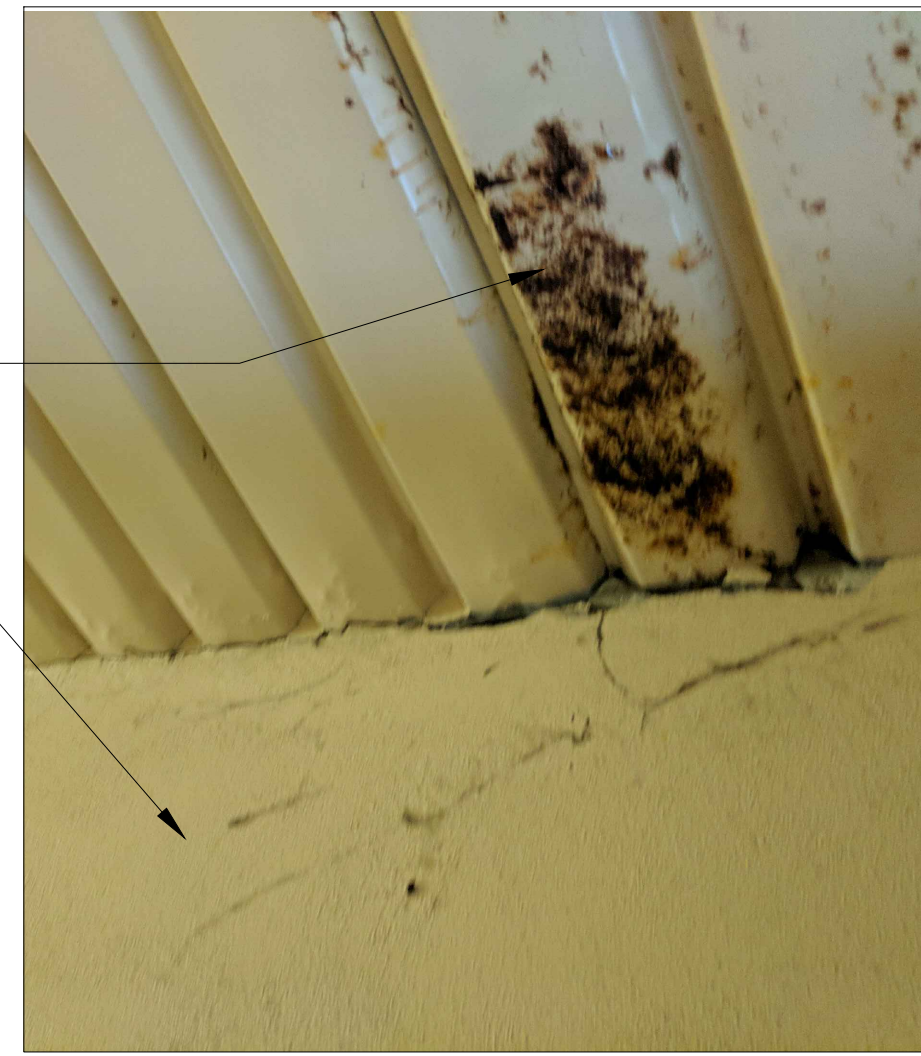
NEW SCRATCH COAT
NEW WEATHER
RESISTANT BARRIER
NEW METAL LATH

EXISTING REVEAL
EXISTING WEATHER
RESISTANT BARRIER
NEW FINISH COAT
NEW BROWN COAT

NEW FINISH COAT
NEW BROWN COAT
NEW WEATHER
RESISTANT BARRIER
NEW METAL LATH
NEW WEEP SCREED

EXISTING RECEIVER
AND COUNTER FLASHING
EXISTING ROOF SYSTEM
EXISTING
BUILDING STRUCTURE

WIRE BRUSH PRIME & PAINT,
SEE SPECIFICATIONS
REMOVE EXISTING COATING
& INSTALL CARBON FIBER
PER DRAWINGS & SPECIFICATIONS



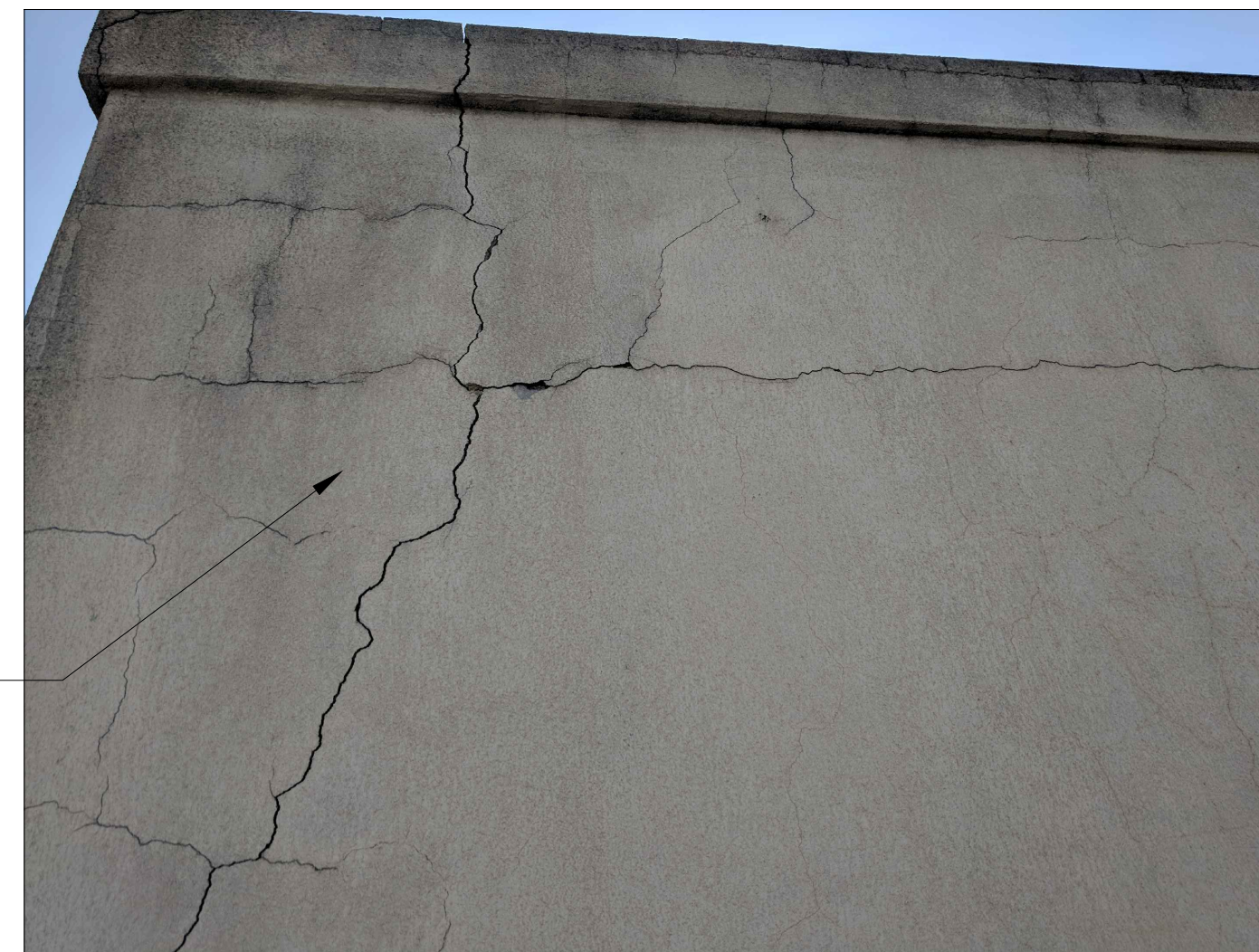
2 INTERIOR ELEVATION
NTS

WIRE BRUSH
PRIME & PAINT, SEE
SPECIFICATIONS



3 INTERIOR ELEVATION
NTS

REMOVE EXISTING COATING &
INSTALL CARBON FIBER PER
DRAWINGS & SPECIFICATIONS



REMOVE EXISTING COATING
& INSTALL CARBON FIBER
PER DRAWINGS & SPECIFICATIONS

4 WEST ELEVATION
NTS



5 NORTH ELEVATION
NTS

REMOVE EXISTING COATING
& INSTALL CARBON FIBER
PER DRAWINGS & SPECIFICATIONS



6 WEST ELEVATION
NTS

1 OUTSIDE CORNER REPAIR SECTION
NOT TO SCALE



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SECTIONS AND
DETAILS

SHEET NUMBER:

S-201