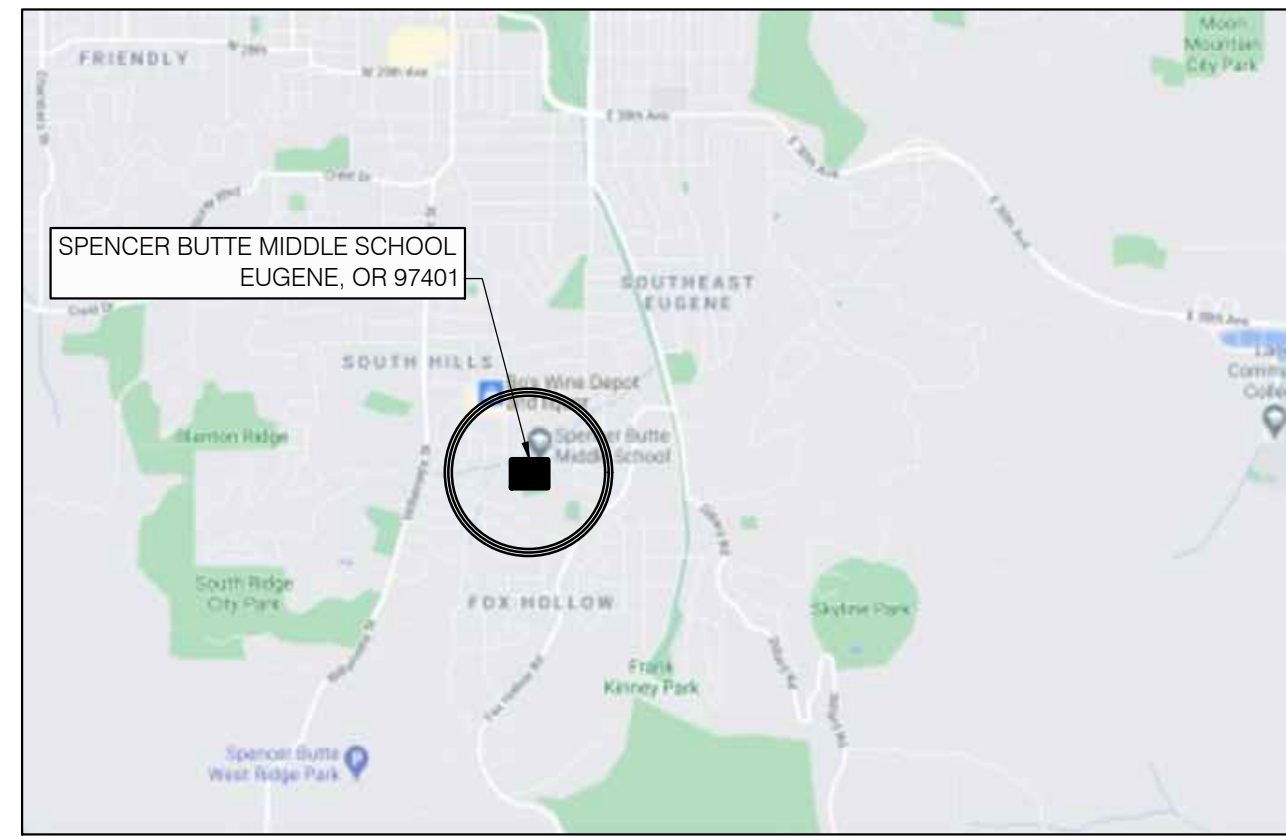


# EUGENE SCHOOL DISTRICT 4J

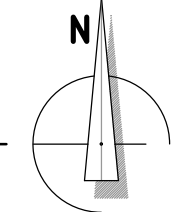
## SPENCER BUTTE MIDDLE SCHOOL ROOF REPLACEMENT PROJECT



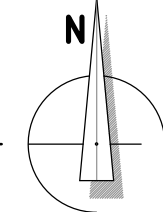
### SITE MAPS



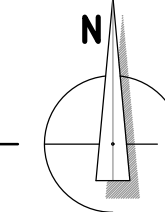
1 LOCATION MAP  
GI-1 SCALE: NTS



2 VICINITY MAP  
GI-1 SCALE: NTS



3 AERIAL VIEW  
GI-1 SCALE: NTS



### DRAWING SCHEDULE

GI-1	GENERAL INFORMATION
GI-2	SYSTEM ASSEMBLIES
R100	OVERALL ROOF PLAN
R101	SECTOR A - DEMOLITION ROOF PLAN
R102	SECTOR B - DEMOLITION ROOF PLAN
R103	SECTOR C - DEMOLITION ROOF PLAN
R104	SECTOR D - DEMOLITION ROOF PLAN
R105	SECTOR A - ROOF PLAN
R106	SECTOR B - ROOF PLAN
R107	SECTOR C - ROOF PLAN
R108	SECTOR D - ROOF PLAN
R200	DETAILS - AREAS A, B & C
R201	DETAILS - AREAS A, B & C
R202	DETAILS - AREAS A, B & C
R203	DETAILS - AREA F
R204	DETAILS - AREA F
R205	DETAILS - AREA F
R206	DETAILS - AREA H
R207	DETAILS - AREA H
R208	DETAILS - AREA H
R209	DETAILS - AREA I
R210	DETAILS - AREA I
S100	GENERAL STRUCTURAL NOTES AND FALL PROTECTION STRUCTURAL NOTES
S101	ROOF PLAN WIND LOAD DIAGRAM
S102	STRUCTURAL DETAILS

### GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS OF THE PROJECT, INCLUDING VERIFICATION OF EXISTING ROOF SYSTEM CONSTRUCTION AND MATERIALS.
- EXISTING MATERIALS AND CONSTRUCTION ARE NOTED ON THE DRAWINGS AS EXISTING. ALL OTHER NOTATIONS INDICATE NEW MATERIALS, PRODUCTS, AND CONSTRUCTION UNLESS OTHERWISE STATED OR INDICATED.
- ALL PERMITTING, INCLUDING ROAD CLOSURES, PARKING STALLS, SIDEWALK CLOSURES, SCAFFOLD ERECTION, ETC. SHALL BE COORDINATED, OBTAINED, AND PAID FOR BY CONTRACTOR.
- CONTRACTOR STAGING AND STORAGE AREAS SHALL BE AS DIRECTED BY THE OWNER'S REPRESENTATIVE AT THE PRE-CONSTRUCTION MEETING. CONTRACTOR SHALL ASSUME A REASONABLE AMOUNT OF STORAGE AND STAGING SPACE WILL BE MADE AVAILABLE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT BUILDING OCCUPANTS AND PASSERS-BY FROM FALLING DEBRIS OR EQUIPMENT AT ALL TIMES DURING THE COURSE OF CONSTRUCTION. DO NOT THROW MATERIALS FROM THE ROOF.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING BUILDING SURFACES, FINISHES, AND SYSTEMS FROM DAMAGE, DISCOLORATION, ETC. DURING THE COURSE OF ALL CONSTRUCTION ACTIVITIES.
- PERSONAL FALL PROTECTION DEVICES ARE NOT, NOR WILL BE, PROVIDED BY THE OWNER ON ANY ROOF AREA DESIGNATED TO RECEIVE WORK. PERSONAL FALL PROTECTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL CONFORM TO THE 2019 OREGON STRUCTURAL SPECIALTY CODE (2019 OSSC), AND ALL LOCAL GOVERNING BUILDING CODES AND ORDINANCES.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT, AND TO PROTECT UTILITIES FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK.
- ROOF ACCESS BY MEANS OF EXTERNAL LIFT OF OTHER DEVICE, NO INTERIOR ACCESS IS PRESENT.
- ALL ITEMS TRANSPORTED TO ROOF SHALL BE TRANSPORTED USING APPROVED AND SAFE METHODS OF LOADING.
- SCOPE OF WORK CONSISTS OF THIS DRAWINGS SET AND THE ASSOCIATED PROJECT MANUAL.
- EXISTING ROOF SYSTEMS HAVE BEEN TESTED FOR ASBESTOS CONTAINING MATERIALS (ACM). NO ASBESTOS WAS IDENTIFIED WITHIN ROOFING SAMPLES TAKEN FROM ROOF AREAS TO BE REPLACED AS PART OF THIS SCOPE OF WORK. ACM WAS, HOWEVER, IDENTIFIED WITHIN THE ROOF ASSEMBLY AT AREA I WHICH IS SCHEDULED TO RECEIVE A ROOF RE-COVER. WHEN PERFORMING MOISTURE MITIGATION AND DEMOLITION ACTIVITIES AT AREA I, ALL MATERIALS TO BE DEMOLISHED ARE TO BE HANDLED APPROPRIATELY WITH REGARD TO OROSHA, DEQ, AND THE OWNER.
- WHILE NOT TESTED FOR ASBESTOS CONTAINING MATERIALS (ACM), ALL REPAIR MASTICS/SEALANTS ARE ASSUMED TO BE ACM. ADDITIONAL TESTING MAY BE REQUIRED BY THE CONTRACTOR TO ENSURE ALL MATERIALS TO BE DEMOLISHED ARE HANDLED APPROPRIATELY WITH REGARD TO OROSHA, DEQ AND THE OWNER.
- THIS PROJECT INCLUDES THE FOLLOWING BASE BID. BID WORK DOES NOT INCLUDE ANY INCREASE IN AREA OR CHANGES IN OCCUPANCY.  
  
BASE BID: INCLUDES, BUT IS NOT LIMITED TO: COMPLETE REMOVAL OF EXISTING BUILT-UP ROOF MEMBRANE ASSEMBLIES AT ROOF AREAS A, B, C, F & H DOWN TO THE DECK. REMOVAL OF EXISTING SHEET METAL FLASHINGS, CURBED EDGES, CLERESTORY WINDOWS AND ABANDONED EQUIPMENT. INSTALLATION OF DECK INFILL AT ABANDONED EQUIPMENT. INSTALLATION OF WALL FRAMING AT ABANDONED CLERESTORY OPENINGS. INSTALLATION OF BUILT-UP ROOF MEMBRANE ASSEMBLY, TAPERED INSULATION ASSEMBLIES, FLASHINGS, WALL PANELS, GUTTERS, AND COPING. INSTALLATION OF A ROOF OVERLAY ASSEMBLY AT AREA I. INSTALLATION OF PERMANENT FALL PROTECTION ANCHORS. INSTALLATION OF ROOF REPAIRS AT AREAS D, E, G, J, K & L.

### BUILDING DATA

MAXIMUM TOP OF ROOF DECK HEIGHT (OF AREAS TO BE RE-ROOFED):	28-FEET
EXPOSURE:	B
RISK CATEGORY:	III
BASIC WIND SPEED:	105 MPH

### PROJECT TEAM

#### OWNER

Eugene School District 4J  
200 N. Monroe St.  
Eugene, OR 97402  
tel: (541) 790-7700  
fax: (541) 790-7711  
Contact: Kirk Gebb, Capital Improvement Program

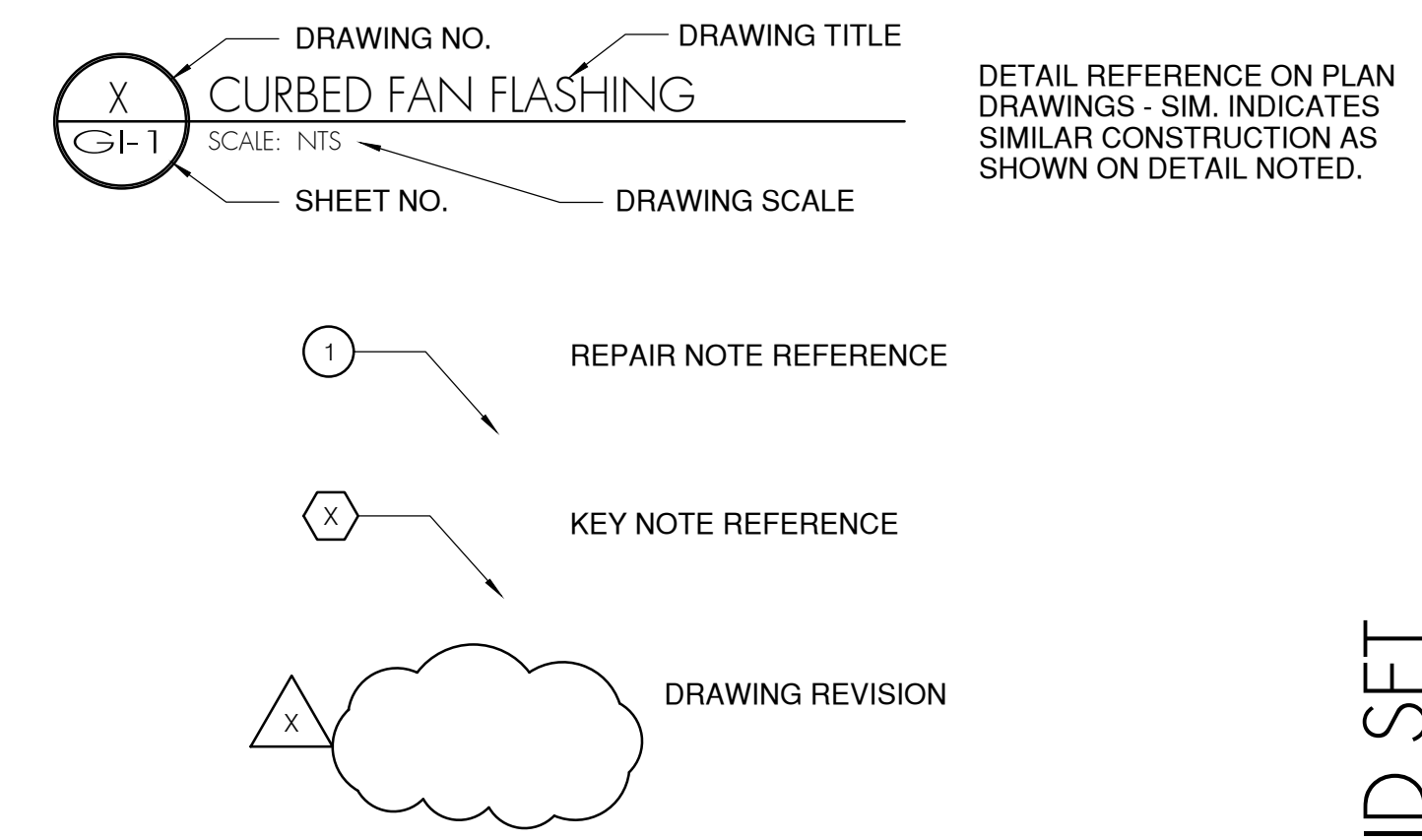
#### ROOF CONSULTANT

Professional Roof Consultants, Inc.  
1108 SE Grand Ave., Suite 300  
Portland, Oregon 97214  
tel: (503) 280-8759  
fax: (503) 280-8866  
Contact: Thomas Bertrand, RRO, AHERA

#### STRUCTURAL CONSULTANT

TM Rippey Consulting Engineers  
7650 SW Beveland St. Suite 100  
Tigard, Oregon 97223  
tel: (503) 443-3900  
fax: (503) 443-3700  
Contact: Ralph Turnbaugh, P.E.

### DRAWING SYMBOLS



EUGENE SCHOOL DISTRICT 4J  
SPENCER BUTTE MIDDLE SCHOOL  
ROOF REPLACEMENT

SHEET TITLE:  
GENERAL INFORMATION

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

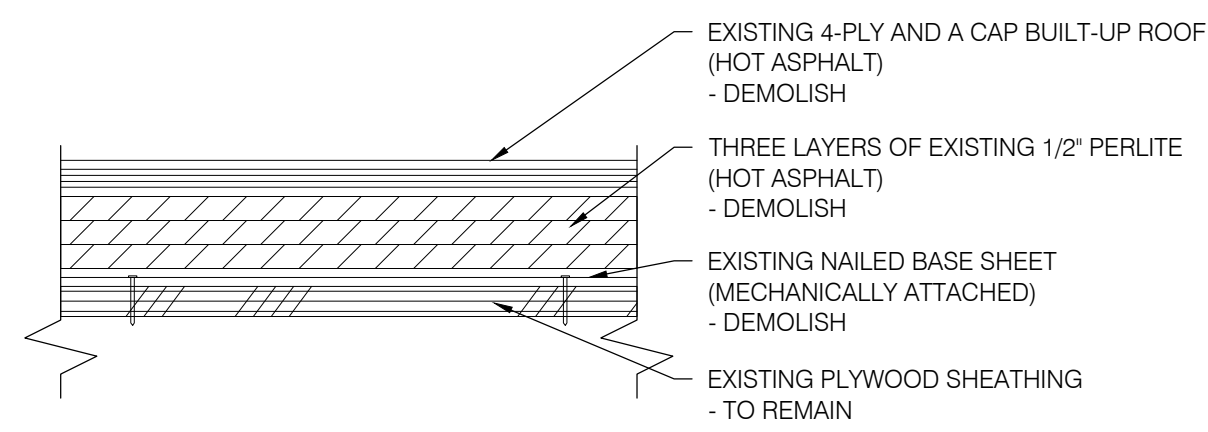
Date: NOVEMBER 10, 2021  
Revisions:

Drawn: TWB  
Check: BAR  
File: GHGen\_Info  
Job: R3282.07

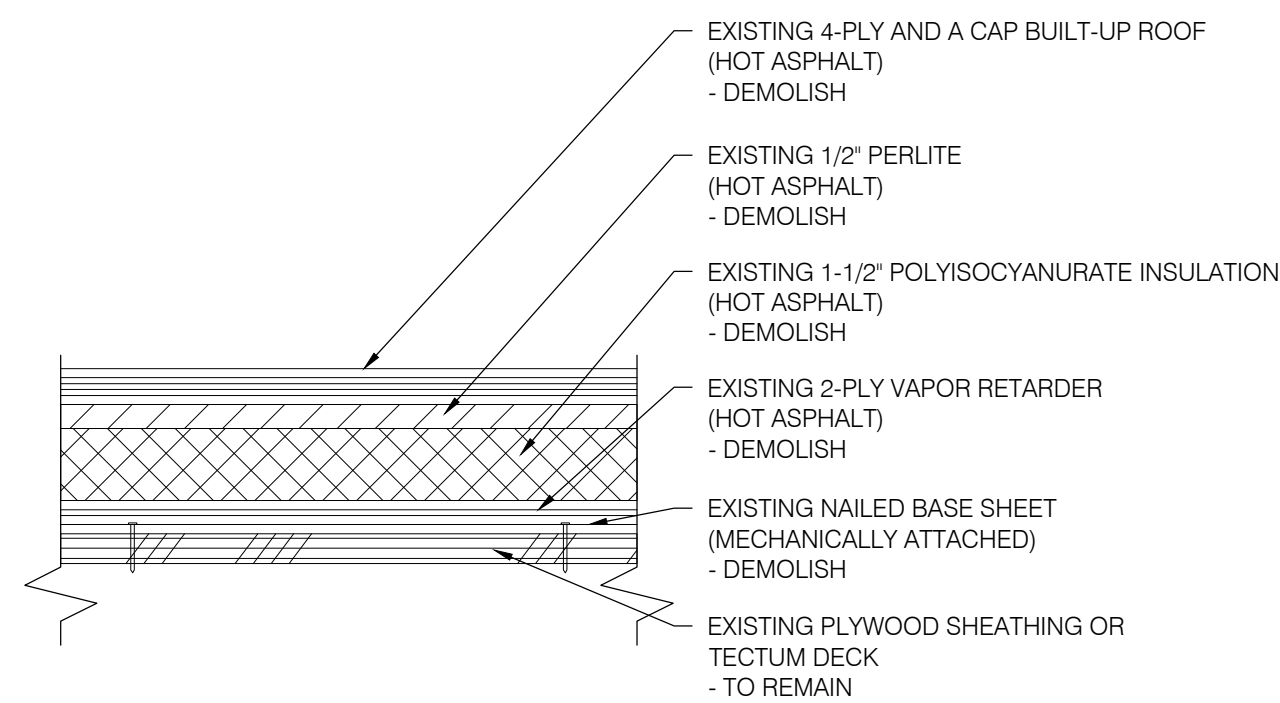
SHEET NUMBER:  
**GI-1**

BID SET

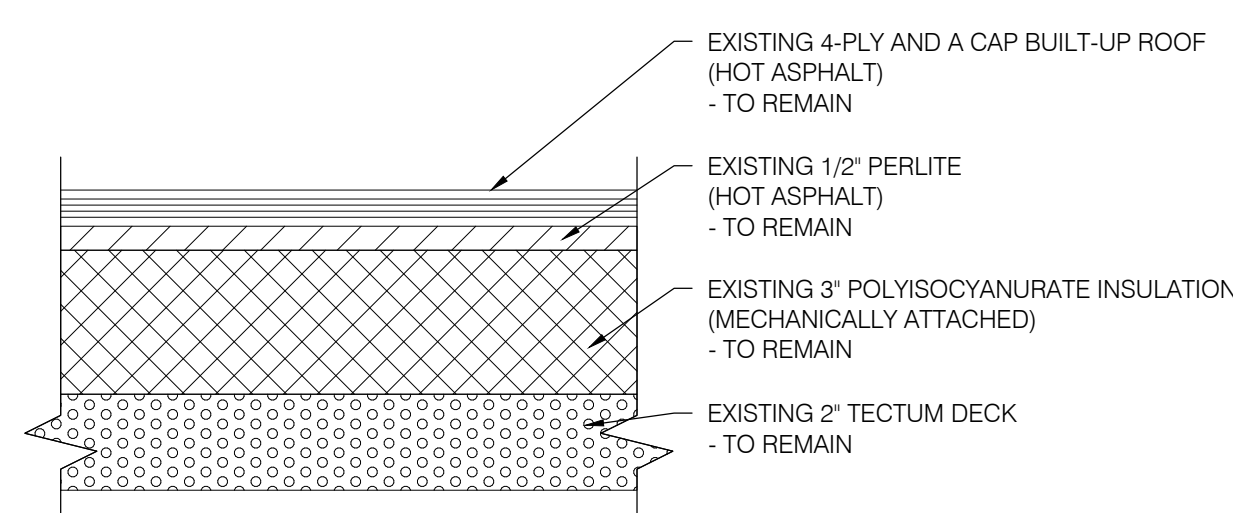
# EXISTING ROOF SYSTEMS



1  
GI-2  
AREAS A, B & C  
EXISTING ROOF ASSEMBLY  
SCALE: 3" = 1'-0"

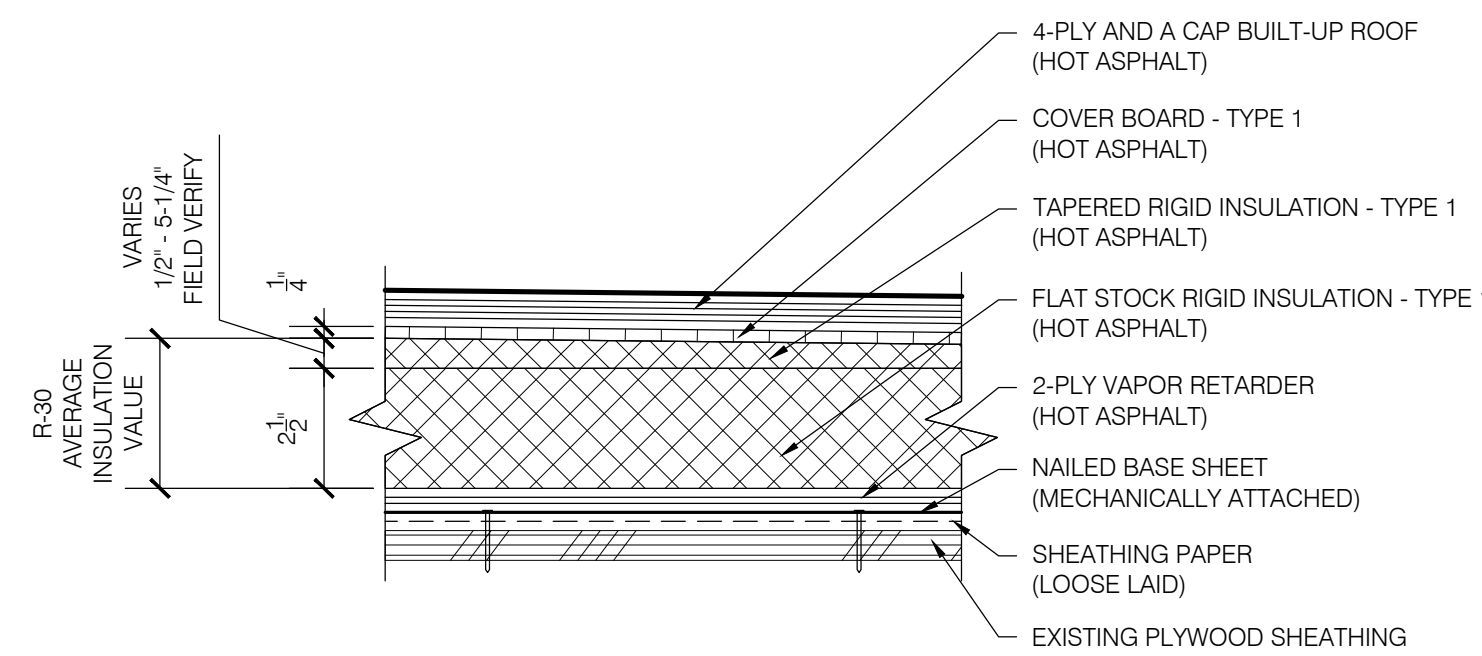


2  
GI-2  
AREAS F & H  
EXISTING ROOF ASSEMBLY  
SCALE: 3" = 1'-0"

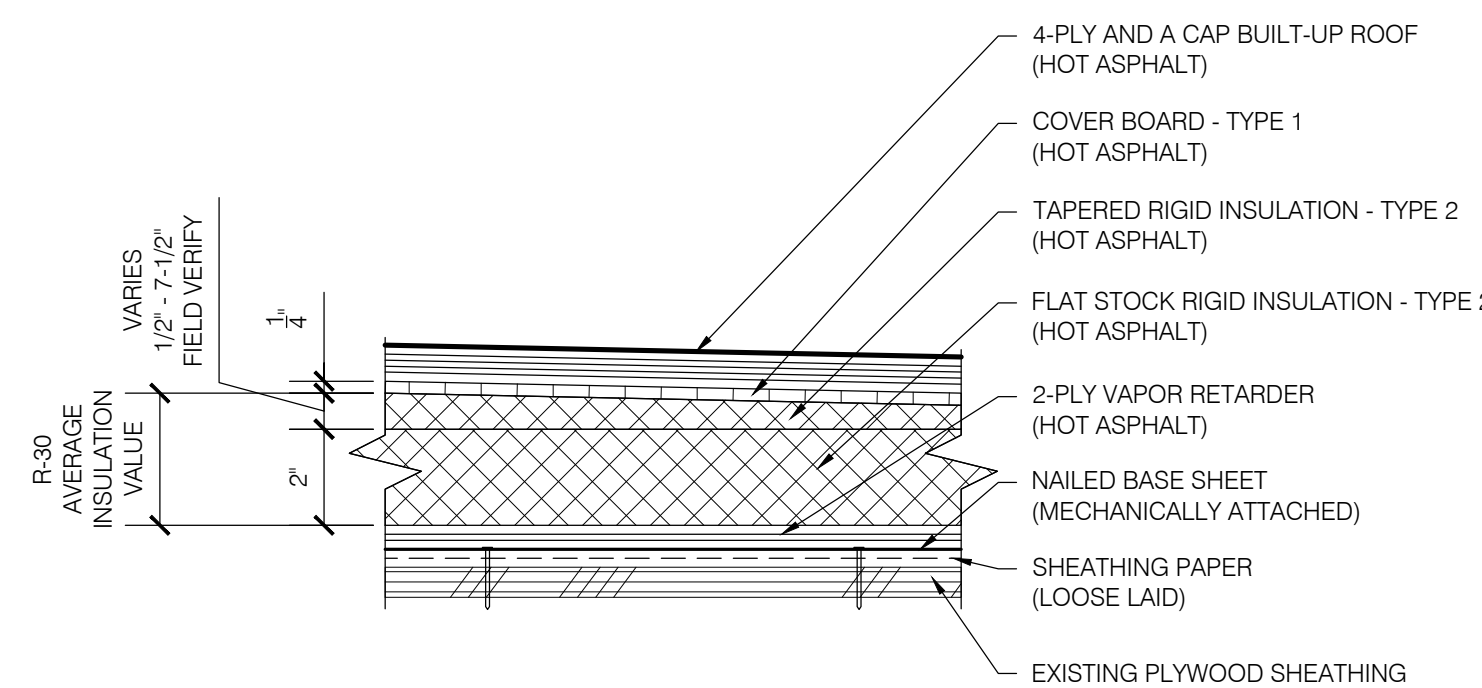


3  
GI-2  
AREA I  
EXISTING ROOF ASSEMBLY  
SCALE: 3" = 1'-0"

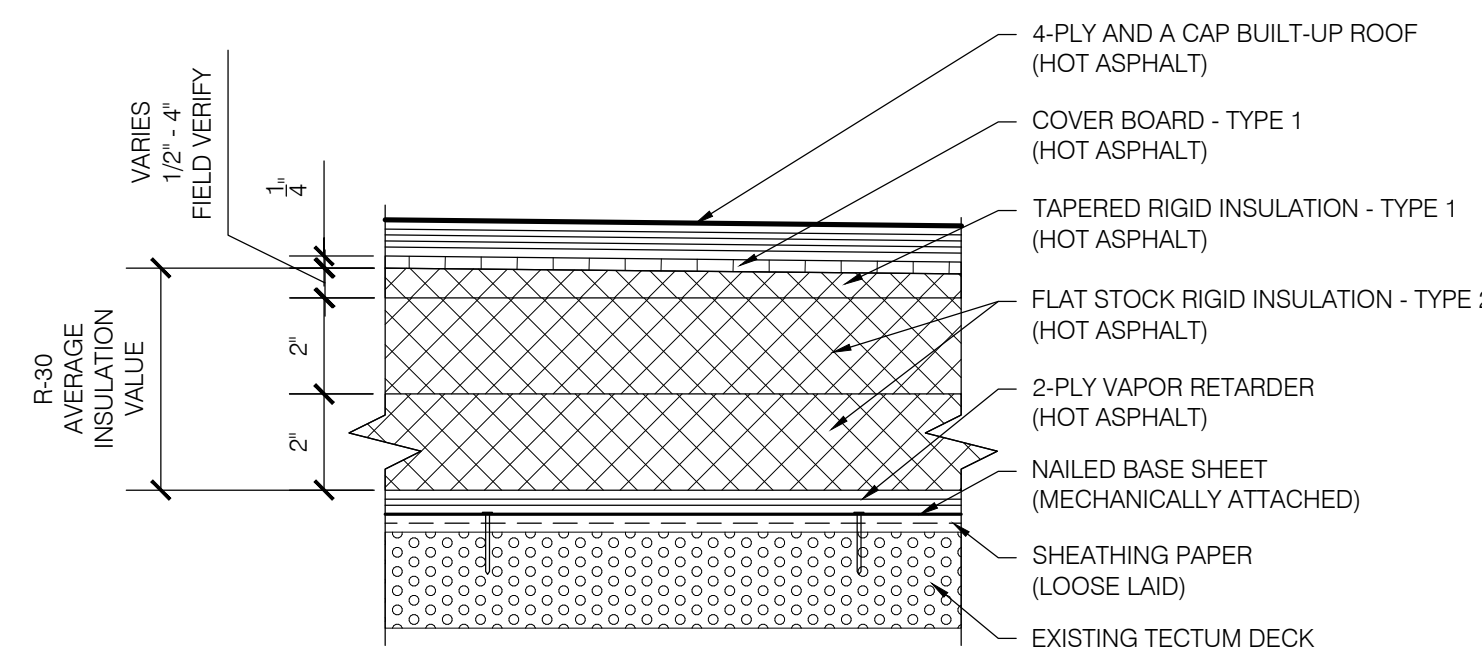
# NEW ROOF SYSTEMS



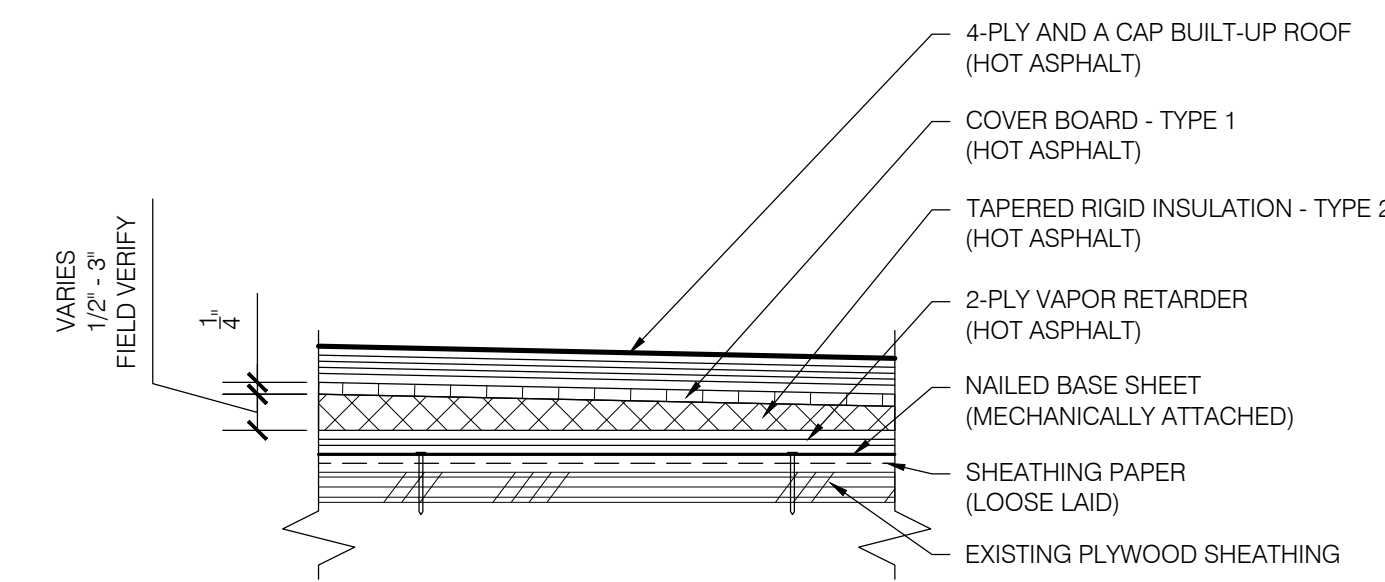
4  
GI-2  
AREAS A, B & C  
ROOF ASSEMBLY 1  
SCALE: 3" = 1'-0"



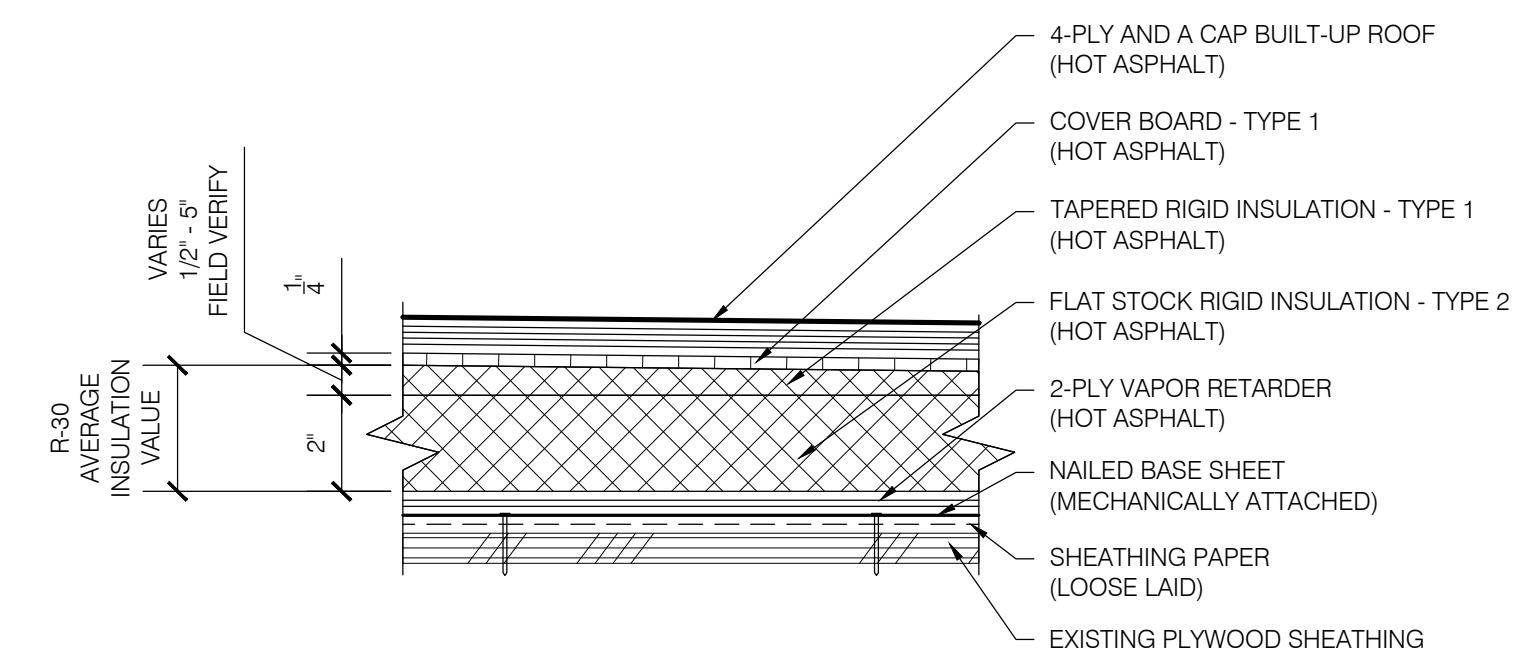
6  
GI-2  
AREAS F & H  
ROOF ASSEMBLY 3  
SCALE: 3" = 1'-0"



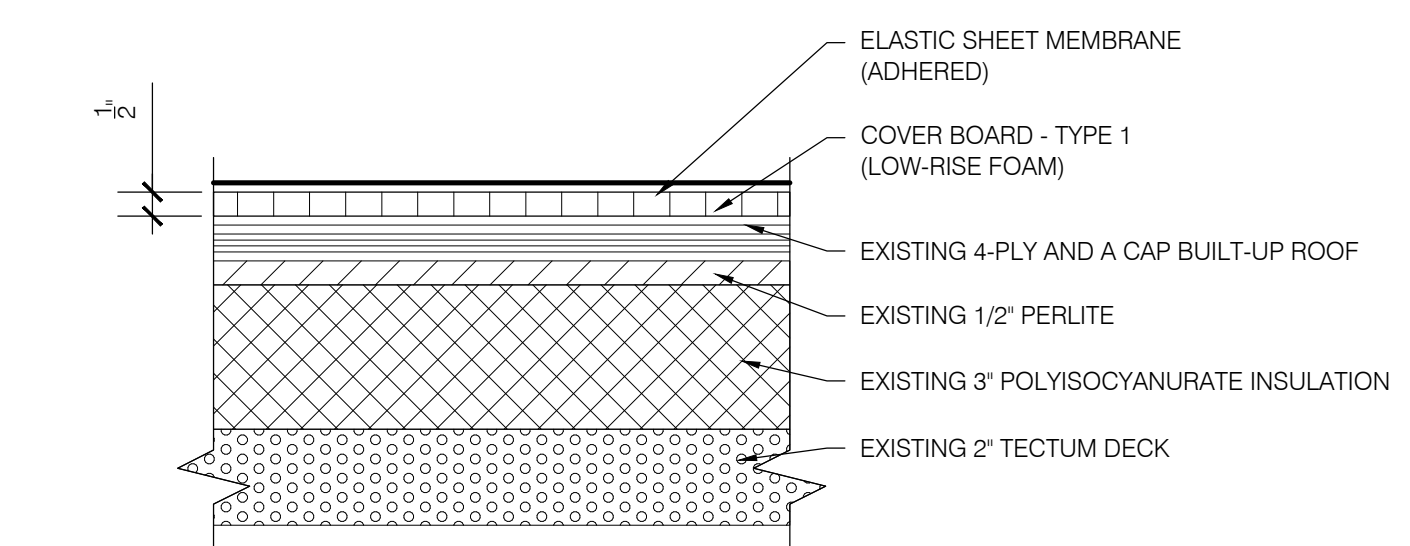
8  
GI-2  
AREA H  
ROOF ASSEMBLY 5  
SCALE: 3" = 1'-0"



5  
GI-2  
AREA C  
ROOF ASSEMBLY 2  
SCALE: 3" = 1'-0"



7  
GI-2  
AREA H  
ROOF ASSEMBLY 4  
SCALE: 3" = 1'-0"



9  
GI-2  
AREA I  
ROOF ASSEMBLY 6  
SCALE: 3" = 1'-0"



## EUGENE SCHOOL DISTRICT 4J SPENCER BUTTE MIDDLE SCHOOL ROOF REPLACEMENT

SHEET TITLE:  
SYSTEM ASSEMBLIES

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
Revisions:

Drawn: TWB  
Check: BAR  
File: GHGen\_Info  
Job: R3282.07

SHEET NUMBER:  
**GI-2**

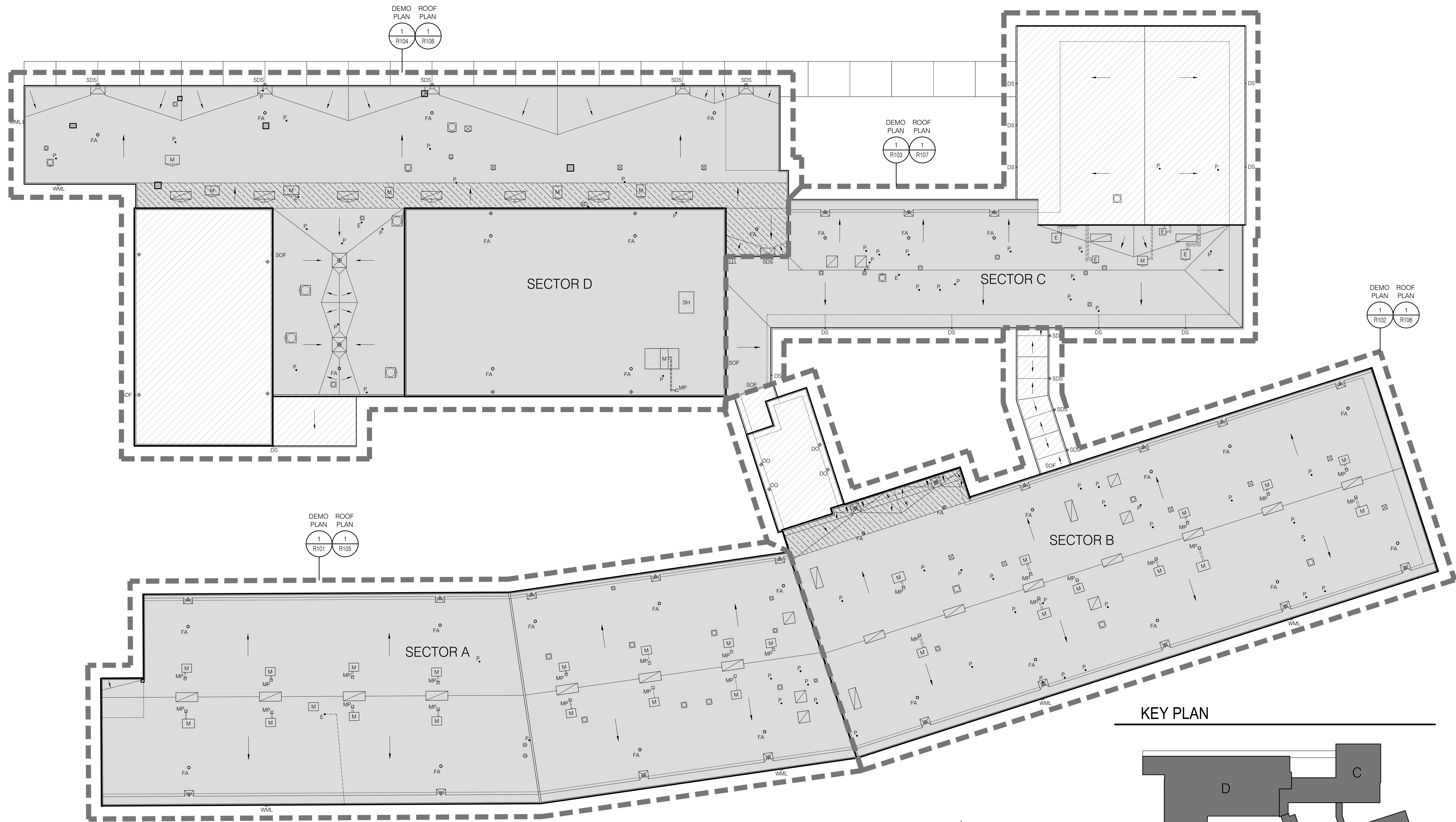
BID SET

**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**

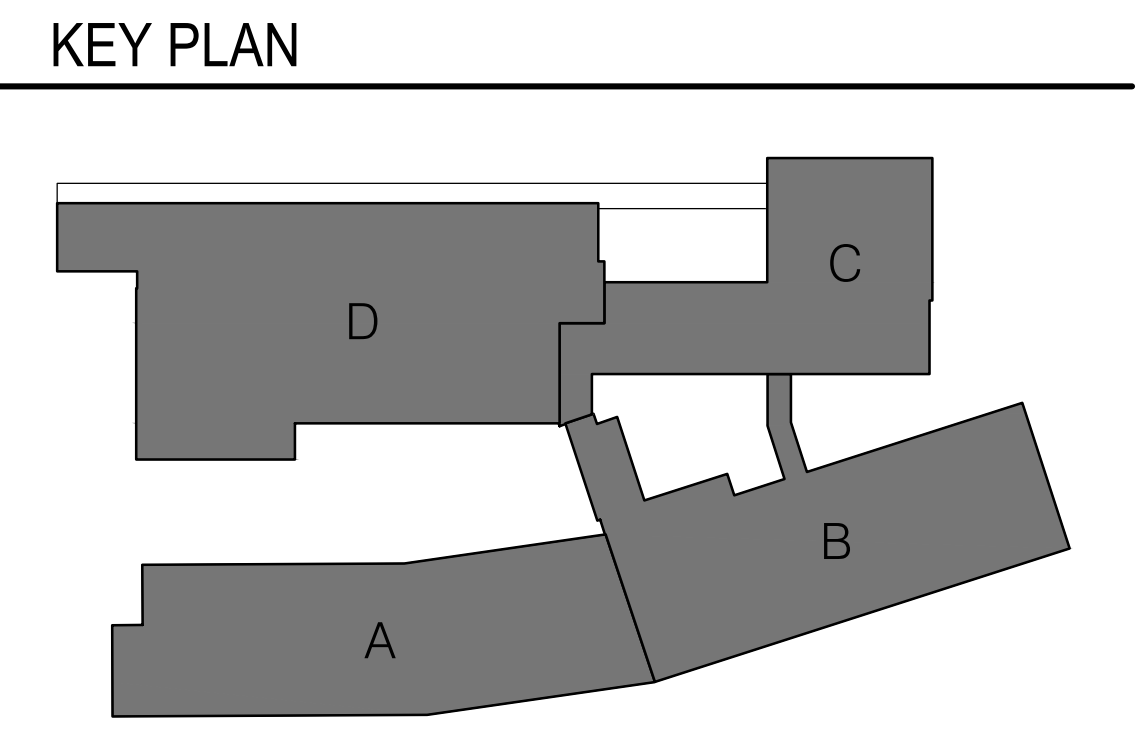
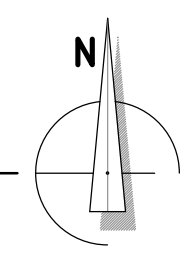
**LEGEND**

■ SHADE INDICATES ROOF AREAS TO BE REPLACED

▨ HATCH INDICATES ROOF AREAS TO BE REPAIRED



**1** OVERALL ROOF PLAN  
 SCALE: 1" = 20'-0"



SHEET TITLE:  
 OVERALL ROOF PLAN

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
 Revisions:

Drawn: TWB  
 Check: BAR  
 File: R100-Roof\_Plans  
 Job: R3282.07

SHEET NUMBER:  
**R100**

BID SET

**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**

SHEET TITLE:  
 SECTOR A - DEMOLITION ROOF PLAN

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
 Revisions:

Drawn: TWB  
 Check: BAR  
 File: R100-Roof\_Plans  
 Job: R3282.07

SHEET NUMBER:  
**R101**

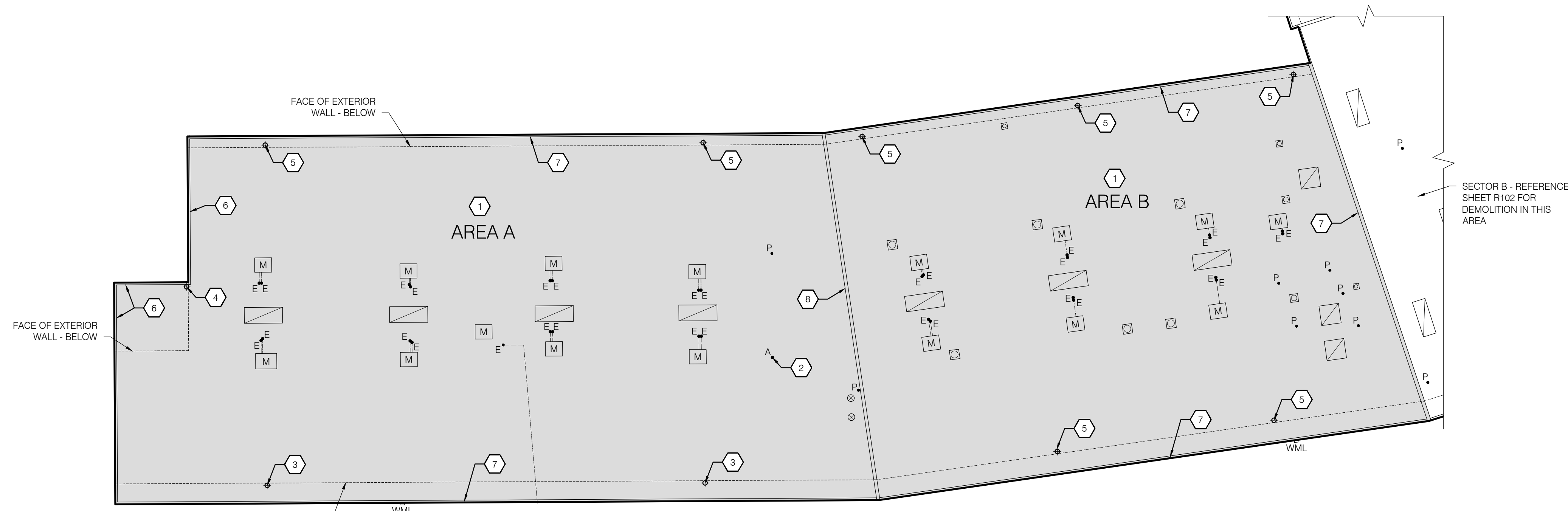
**KEY NOTES**

- 1 DEMOLISH EXISTING 4-PLY AND A CAP BUILT-UP ROOF DOWN TO THE EXISTING DECK. - REFERENCE DETAIL 1/GI-2 FOR EXISTING ROOF ASSEMBLY.
- 2 DEMOLISH ABANDONED PIPE/CONDUIT PENETRATION. DEMOLISH CONDUIT/PIPE BACK A MINIMUM OF 6" WITHIN THE INTERIOR OF THE BUILDING AND TERMINATE ACCORDING TO THE APPLICABLE MECHANICAL/PLUMBING CODE. COVER ANY HOLE IN THE PLYWOOD DECK SHEATHING 3" OR SMALLER IN DIAMETER WITH A 24 GAUGE STAINLESS STEEL PLATE - PERMANENTLY ANCHOR THE PLATE TO THE DECK.
- 3 DEMOLISH EXISTING ROOF DRAIN AND ASSOCIATED DRAIN LINE BACK TO THE STORMWATER OUTLET AT BASE OF WALL.
- 4 DEMOLISH EXISTING ROOF DRAIN AND ASSOCIATED DRAIN LINE BACK TO THE STORMWATER OUTLET AT BASE OF WALL. CAP OUTLET IN ACCORDANCE WITH THE PLUMBING CODE. COVER HOLE IN THE PLYWOOD DECK SHEATHING IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS.
- 5 DEMOLISH EXISTING ROOF DRAIN. MAINTAIN EXISTING DRAIN LINE FOR ATTACHMENT OF NEW ROOF DRAIN.
- 6 DEMOLISH EXISTING CURBED EDGE BLOCKING AND SHEET METAL FLASHING ASSEMBLY WHERE INDICATED.
- 7 EXISTING CURBED EDGE BLOCKING TO REMAIN.
- 8 DEMOLISH EXISTING PARAPET DOWN TO THE EXISTING DECK.

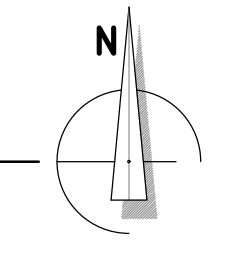
**LEGEND**

(SYMBOLS APPLY TO SHADED AREA ONLY)

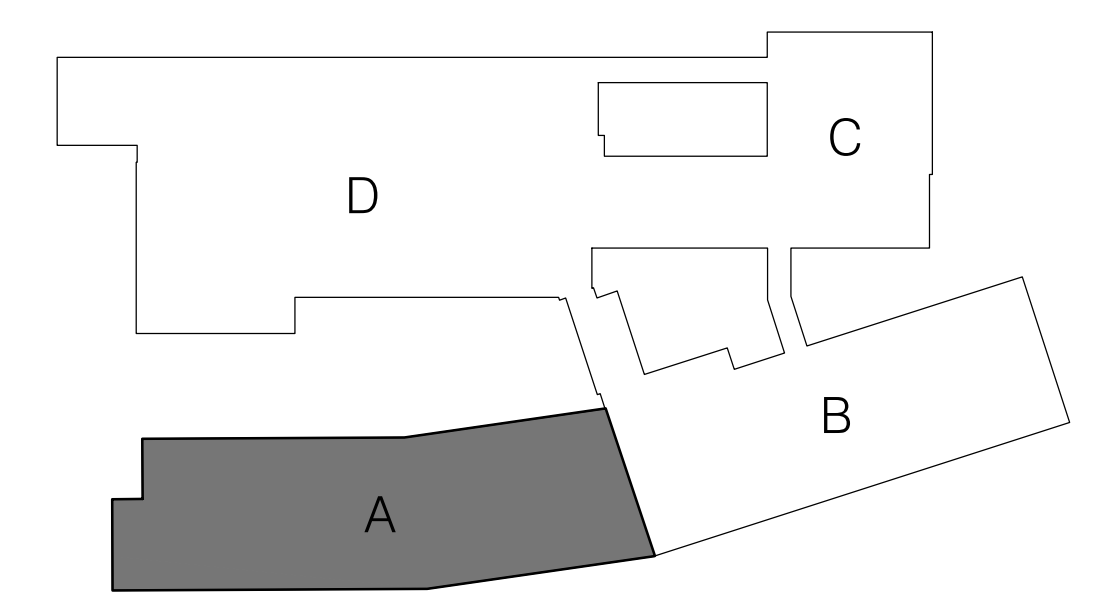
- SHADED AREA INDICATES EXTENT OF ROOF REPLACEMENT SCOPE OF WORK
- EXISTING ROOF DRAIN - REFERENCE ASSOCIATED KEY NOTES
- WML EXISTING WALL MOUNTED LIGHT - TO REMAIN
- P EXISTING PLUMBING VENT PIPE - MODIFY AS REQUIRED PER SHEET R105
- E EXISTING ELECTRICAL PENETRATION - MODIFY AS REQUIRED PER SHEET R105
- A ABANDONED PIPE/CONDUIT PENETRATION - REFERENCE ASSOCIATED KEY NOTE
- M EXISTING CURBED MECHANICAL EQUIPMENT - TO REMAIN
- EXISTING CURBED SKYLIGHT - MODIFY AS REQUIRED PER SHEET R105
- EXISTING CURBED FAN - MODIFY AS REQUIRED PER SHEET R105
- EXISTING FLANGED VENT - MODIFY AS REQUIRED PER SHEET R105
- EXISTING OVER-ROOF ELECTRICAL CONDUITS - MODIFY AS REQUIRED PER SHEET R105



1 SECTOR A - DEMOLITION ROOF PLAN  
 R101 SCALE: 1/16" = 1'-0"



**KEY PLAN**



BID SET

**EUGENE SCHOOL DISTRICT 4J  
SPENCER BUTTE MIDDLE SCHOOL  
ROOF REPLACEMENT**

SHEET TITLE:  
SECTOR B - DEMOLITION ROOF PLAN

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
Revisions:

Drawn: TWB  
Check: BAR  
File: R100-Roof\_Plans  
Job: R3282.07

SHEET NUMBER:  
**R102**

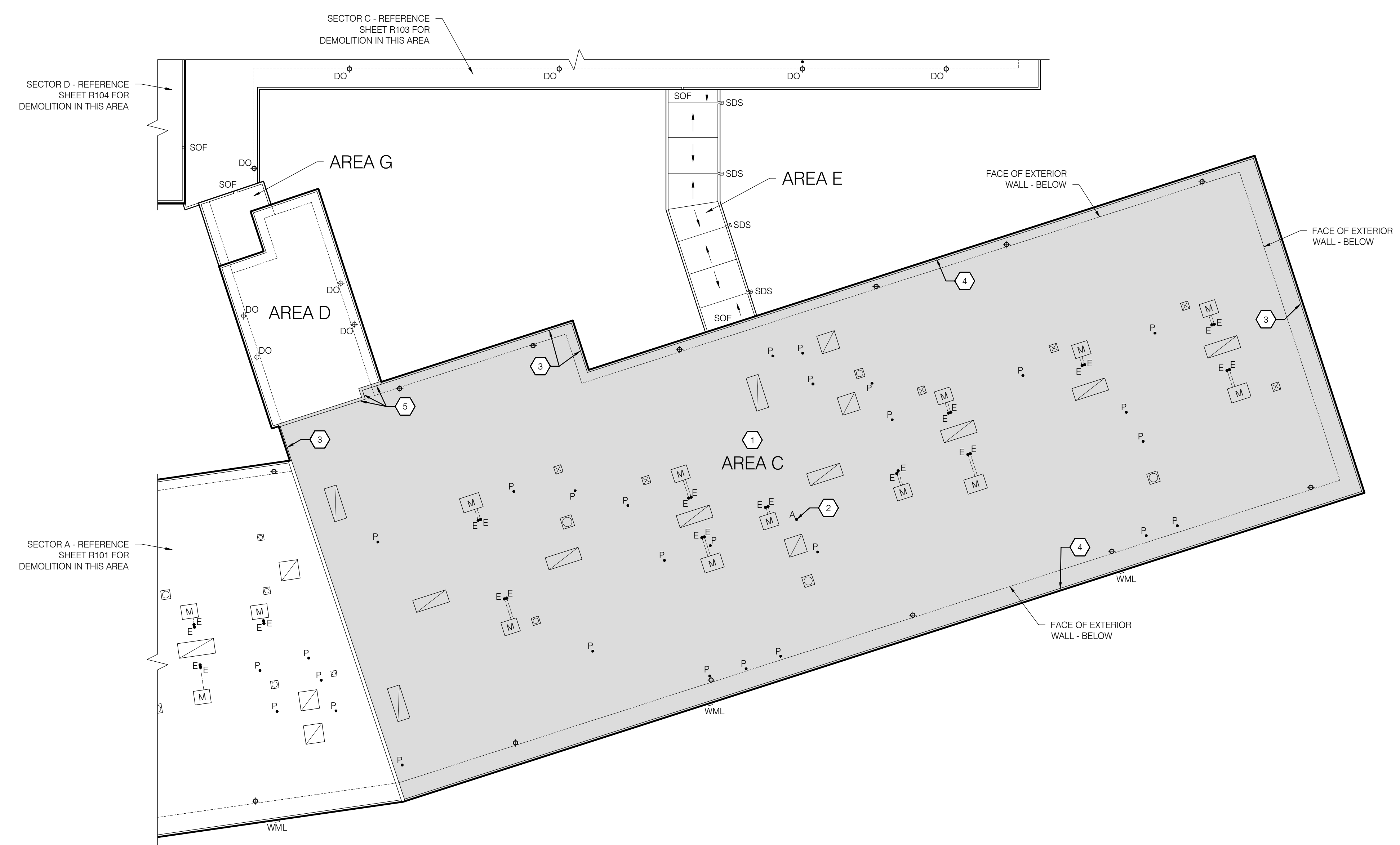
**KEY NOTES**

- 1 DEMOLISH EXISTING 4-PLY AND A CAP BUILT-UP ROOF DOWN TO THE EXISTING DECK. - REFERENCE DETAIL 1/GI-2 FOR EXISTING ROOF ASSEMBLY.
- 2 DEMOLISH ABANDONED PIPE/CONDUIT PENETRATION. DEMOLISH CONDUIT/PIPE BACK A MINIMUM OF 6" WITHIN THE INTERIOR OF THE BUILDING AND TERMINATE ACCORDING TO THE APPLICABLE MECHANICAL/PLUMBING CODE. COVER ANY HOLE IN THE PLYWOOD DECK SHEATHING 3" OR SMALLER IN DIAMETER WITH A 24 GAUGE STAINLESS STEEL PLATE - PERMANENTLY ANCHOR THE PLATE TO THE DECK.
- 3 DEMOLISH EXISTING CURBED EDGE BLOCKING AND SHEET METAL FLASHING ASSEMBLY WHERE INDICATED.
- 4 EXISTING CURBED EDGE BLOCKING TO REMAIN.
- 5 DEMOLISH EXISTING CURB DOWN TO THE EXISTING DECK.

**LEGEND**

(SYMBOLS APPLY TO SHADED AREA ONLY)

- SHADED AREA INDICATES EXTENT OF ROOF REPLACEMENT SCOPE OF WORK
- EXISTING ROOF DRAIN - DEMOLISH. MAINTAIN EXISTING DRAIN LINE FOR ATTACHMENT OF NEW ROOF DRAIN
- WML EXISTING WALL MOUNTED LIGHT - TO REMAIN
- P• EXISTING PLUMBING VENT PIPE - MODIFY AS REQUIRED PER SHEET R106
- E• EXISTING ELECTRICAL PENETRATION - MODIFY AS REQUIRED PER SHEET R106
- A• ABANDONED PIPE/CONDUIT PENETRATION - REFERENCE ASSOCIATED KEY NOTE
- M EXISTING CURBED MECHANICAL EQUIPMENT - TO REMAIN
- EXISTING CURBED SKYLIGHT - MODIFY AS REQUIRED PER SHEET R106
- EXISTING CURBED FAN - MODIFY AS REQUIRED PER SHEET R106
- EXISTING CURBED VENT - MODIFY AS REQUIRED PER SHEET R106
- EXISTING OVER-ROOF ELECTRICAL CONDUITS - MODIFY AS REQUIRED PER SHEET R106

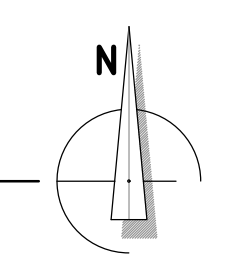


SECTOR D - REFERENCE SHEET R104 FOR DEMOLITION IN THIS AREA

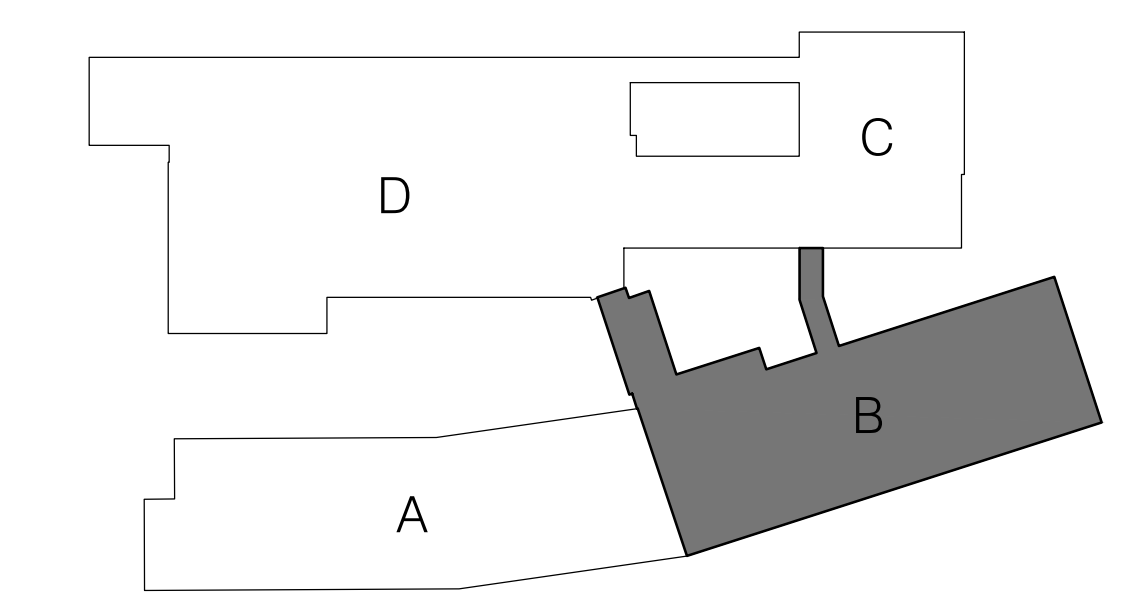
SECTOR C - REFERENCE SHEET R103 FOR DEMOLITION IN THIS AREA

SECTOR A - REFERENCE SHEET R101 FOR DEMOLITION IN THIS AREA

1 SECTOR B - DEMOLITION ROOF PLAN  
SCALE: 1/16" = 1'-0"



**KEY PLAN**



BID SET











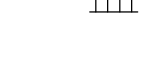
**EUGENE SCHOOL DISTRICT 4J  
SPENCER BUTTE MIDDLE SCHOOL  
ROOF REPLACEMENT**

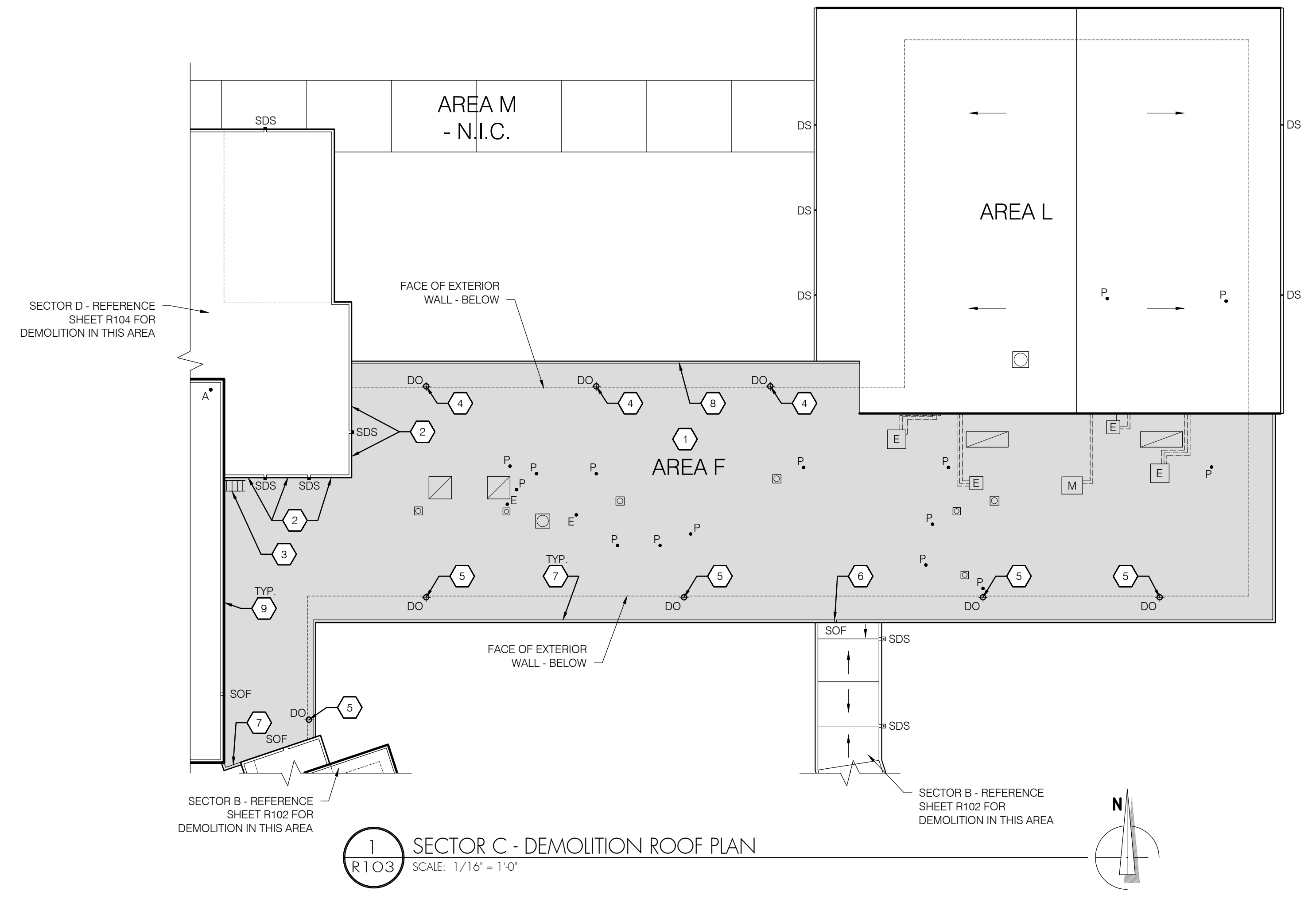
**KEY NOTES**

- 1 DEMOLISH EXISTING 4-PLY AND A CAP BUILT-UP ROOF DOWN TO THE EXISTING DECK. - REFERENCE DETAIL 2/GI-2 FOR EXISTING ROOF ASSEMBLY.
- 2 DEMOLISH EXISTING CLERESTORY WINDOWS AND ASSOCIATED FLASHING ASSEMBLIES.
- 3 DETACH EXISTING WALL-MOUNTED LADDER
- 4 DEMOLISH EXISTING DROP SCUPPER. MAINTAIN EXISTING DRAIN LINE FOR ATTACHMENT OF NEW ROOF DRAIN.
- 5 DEMOLISH EXISTING DROP SCUPPER. MODIFY ASSOCIATED DOWNSPOUT PER SHEET R107. COVER ANY HOLE IN THE PLYWOOD DECK SHEATHING 3" OR SMALLER IN DIAMETER WITH A 24 GAUGE STAINLESS STEEL PLATE - PERMANENTLY ANCHOR THE PLATE TO THE DECK.
- 6 DEMOLISH EXISTING SCUPPER OVERFLOW.
- 7 DEMOLISH EXISTING CURBED EDGE BLOCKING AND SHEET METAL FLASHING ASSEMBLY WHERE INDICATED.
- 8 EXISTING CURBED EDGE BLOCKING TO REMAIN.
- 9 DEMOLISH EXISTING FACE MOUNTED WALL COUNTER FLASHING ASSEMBLIES.

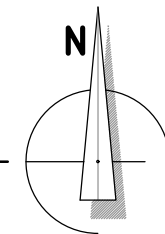
**LEGEND**

(SYMBOLS APPLY TO SHADED AREA ONLY)

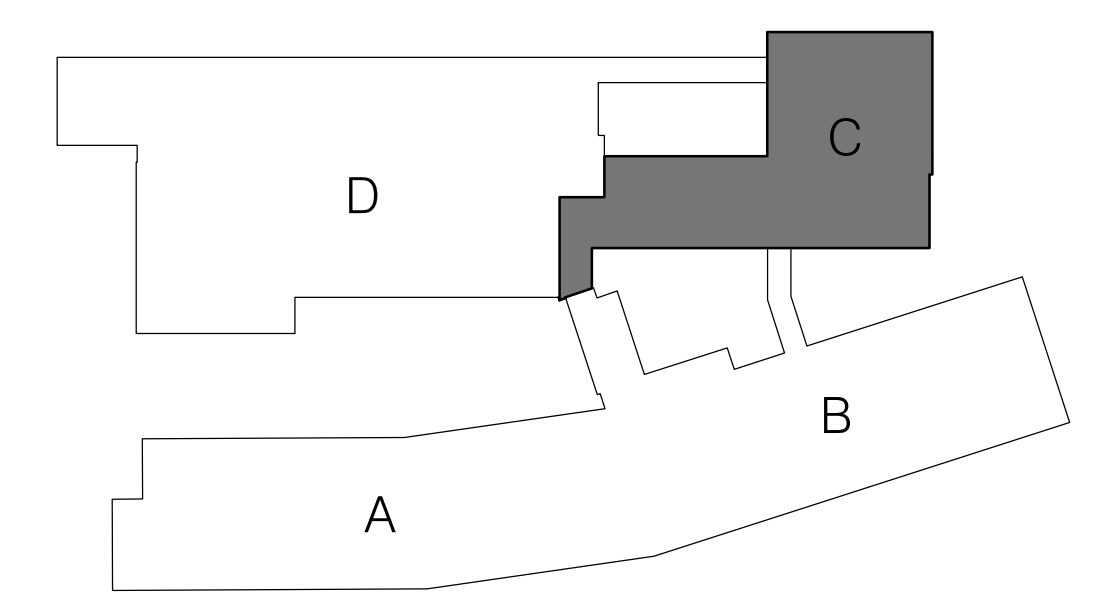
-  SHADED AREA INDICATES EXTENT OF ROOF REPLACEMENT SCOPE OF WORK
- DO  EXISTING DROP SCUPPER - REFERENCE ASSOCIATED KEY NOTES
- SOF  EXISTING SCUPPER OVERFLOW - TO REMAIN EXCEPT WHERE NOTED OTHERWISE
- E  EXISTING ELECTRICAL PENETRATION - MODIFY AS REQUIRED PER SHEET R107
- P  EXISTING PLUMBING VENT PIPE - MODIFY AS REQUIRED PER SHEET R107
- M  EXISTING CURBED MECHANICAL EQUIPMENT - MODIFY AS REQUIRED PER SHEET R107
- E  EXISTING CAPPED EQUIPMENT CURB - MODIFY AS REQUIRED PER SHEET R107
-  EXISTING CURBED SKYLIGHT - MODIFY AS REQUIRED PER SHEET R107
-  EXISTING CURBED FAN - MODIFY AS REQUIRED PER SHEET R107
-  EXISTING WALL-MOUNTED LADDER - REFERENCE ASSOCIATED KEY NOTE
-  EXISTING OVER-ROOF ELECTRICAL CONDUITS - MODIFY AS REQUIRED PER SHEET R107



1  
R103 SECTOR C - DEMOLITION ROOF PLAN  
SCALE: 1/16" = 1'-0"



**KEY PLAN**



SHEET TITLE:

SECTOR C - DEMOLITION ROOF PLAN

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date:	NOVEMBER 10, 2021
Revisions:	

Drawn:	TWB
Check:	BAR
File:	R100-Roof_Plans
Job:	R3282.07

SHEET NUMBER:  
**R103**

BID SET

**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**

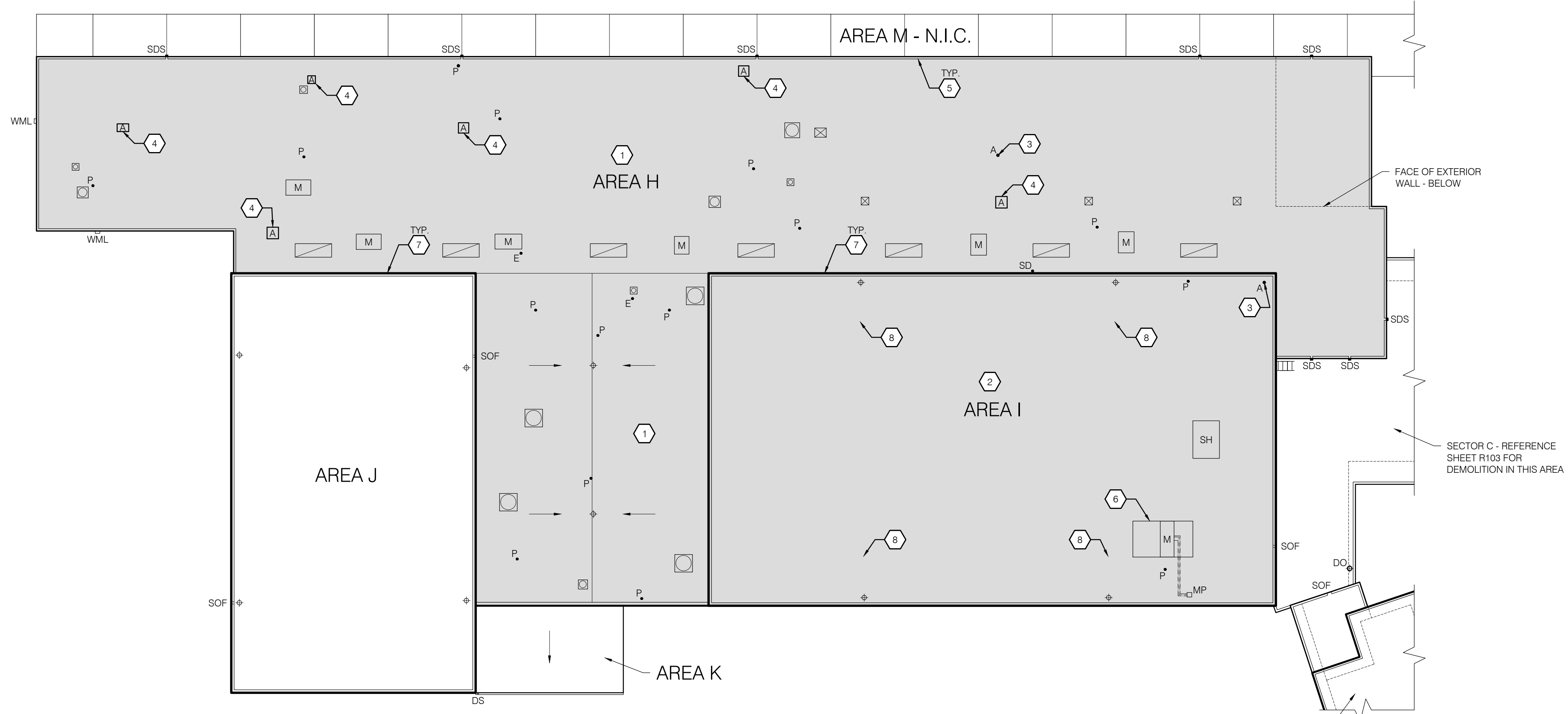
**KEY NOTES**

- 1 DEMOLISH EXISTING 4-PLY AND A CAP BUILT-UP ROOF DOWN TO THE EXISTING DECK.  
- REFERENCE DETAIL 2/GI-2 FOR EXISTING ROOF ASSEMBLY.
- 2 DEMOLISH EXISTING 4-PLY AND A CAP BUILT-UP ROOF DOWN TO THE EXISTING DECK.  
- REFERENCE DETAIL 3/GI-2 FOR EXISTING ROOF ASSEMBLY.  
- NOTE: ASBESTOS CONTAINING MATERIALS (ACM) HAVE BEEN IDENTIFIED WITHIN THE EXISTING ROOF ASSEMBLY AT THIS AREA. FOLLOW ALL REQUIRED GUIDELINES FOR CONTAINMENT/ABATEMENT DURING DEMOLITION ACTIVITIES ON THIS ROOF.
- 3 DEMOLISH ABANDONED PIPE/CONDUIT PENETRATION. DEMOLISH CONDUIT/PIPE BACK A MINIMUM OF 6" WITHIN THE INTERIOR OF THE BUILDING AND TERMINATE ACCORDING TO THE APPLICABLE MECHANICAL/PLUMBING CODE. COVER ANY HOLE IN THE PLYWOOD DECK SHEATHING 3" OR SMALLER IN DIAMETER WITH A 24 GAUGE STAINLESS STEEL PLATE - PERMANENTLY ANCHOR THE PLATE TO THE DECK.
- 4 DEMOLISH EXISTING CURB AND ANY ASSOCIATED ABANDONED CAP, FAN, VENT, AND/OR OVER-DECK DUCT ASSEMBLY. DEMOLISH DUCTS, PIPES AND ASSOCIATED CONDUITS BACK A MINIMUM OF 6" WITHIN THE INTERIOR OF THE BUILDING AND TERMINATE ACCORDING TO THE APPLICABLE MECHANICAL/PLUMBING CODE. INFILL DECK PRIOR TO MEMBRANE ASSEMBLY INSTALLATION.
- 5 DEMOLISH EXISTING CURBED EDGE BLOCKING AND SHEET METAL FLASHING ASSEMBLY WHERE INDICATED.
- 6 EXISTING EQUIPMENT PAD - DEMOLISH ALL ROOFING WITHIN 24" OF THE PAD, EVACUATE ANY TRAPPED WATER WITHIN THE CURB AND ALLOW FRAMING TO DRY PRIOR TO NEW ROOF INSTALLATION. IF MOISTURE EXTENDS BEYOND THE 24" ZONE, CONTINUE DEMOLITION UNTIL ALL WET MATERIALS HAVE BEEN DEMOLISHED.
- 7 DEMOLISH EXISTING FACE MOUNTED WALL COUNTER FLASHING ASSEMBLIES.
- 8 DEMOLISH EXISTING ROOFING AS REQUESTED FOR INSTALLATION OF NEW FALL PROTECTION ANCHORS.  
- REFERENCE SHEET R108.

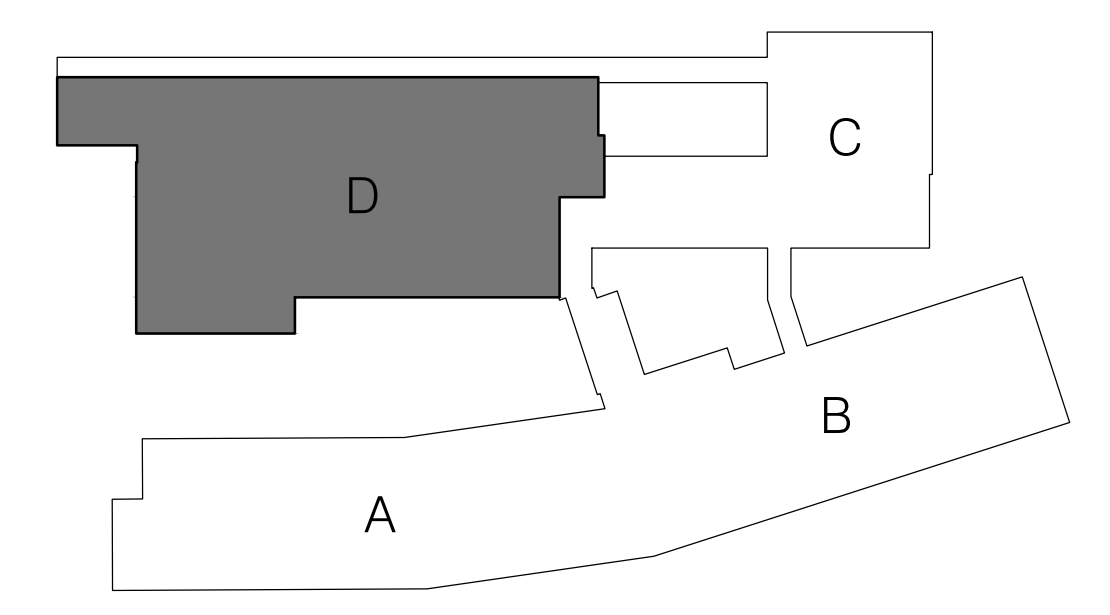
**LEGEND**

(SYMBOLS APPLY TO SHADED AREA ONLY)

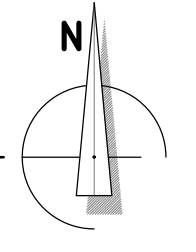
- SHADED AREA INDICATES EXTENT OF ROOF REPLACEMENT SCOPE OF WORK
- EXISTING SCUPPER & DOWNSPOUT - DEMOLISH
- EXISTING ROOF DRAIN - TO REMAIN
- EXISTING SCUPPER OVERFLOW - TO REMAIN
- EXISTING WALL MOUNTED LIGHT - TO REMAIN
- EXISTING ELECTRICAL PENETRATION - MODIFY AS REQUIRED PER SHEET R108
- EXISTING PLUMBING VENT PIPE - MODIFY AS REQUIRED PER SHEET R108
- MULTIPipe (LINE SET) PENETRATION - MODIFY AS REQUIRED PER SHEET R108
- ABANDONED PIPE/CONDUIT PENETRATION - REFERENCE ASSOCIATED KEY NOTE
- ABANDONED CURB - REFERENCE ASSOCIATE KEY NOTE
- EXISTING CURBED MECHANICAL EQUIPMENT - MODIFY AS REQUIRED PER SHEET R108
- EXISTING CURBED SKYLIGHT - MODIFY AS REQUIRED PER SHEET R108
- EXISTING CURBED FAN - MODIFY AS REQUIRED PER SHEET R108
- EXISTING CURBED VENT - MODIFY AS REQUIRED PER SHEET R108
- EXISTING CURBED SMOKE HATCH - MODIFY AS REQUIRED PER SHEET R108
- EXISTING OVER-ROOF ELECTRICAL CONDUITS - MODIFY AS REQUIRED PER SHEET R108
- ARROW INDICATES DIRECTION OF EXISTING STRUCTURAL SLOPE



**KEY PLAN**



1 SECTOR D - DEMOLITION ROOF PLAN  
 R104 SCALE: 1/16" = 1'-0"



SHEET TITLE:  
 SECTOR D - DEMOLITION ROOF PLAN

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
 Revisions:

Drawn: TWB  
 Check: BAR  
 File: R100-Roof\_Plans  
 Job: R3282.07

SHEET NUMBER:  
**R104**

BID SET

**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**

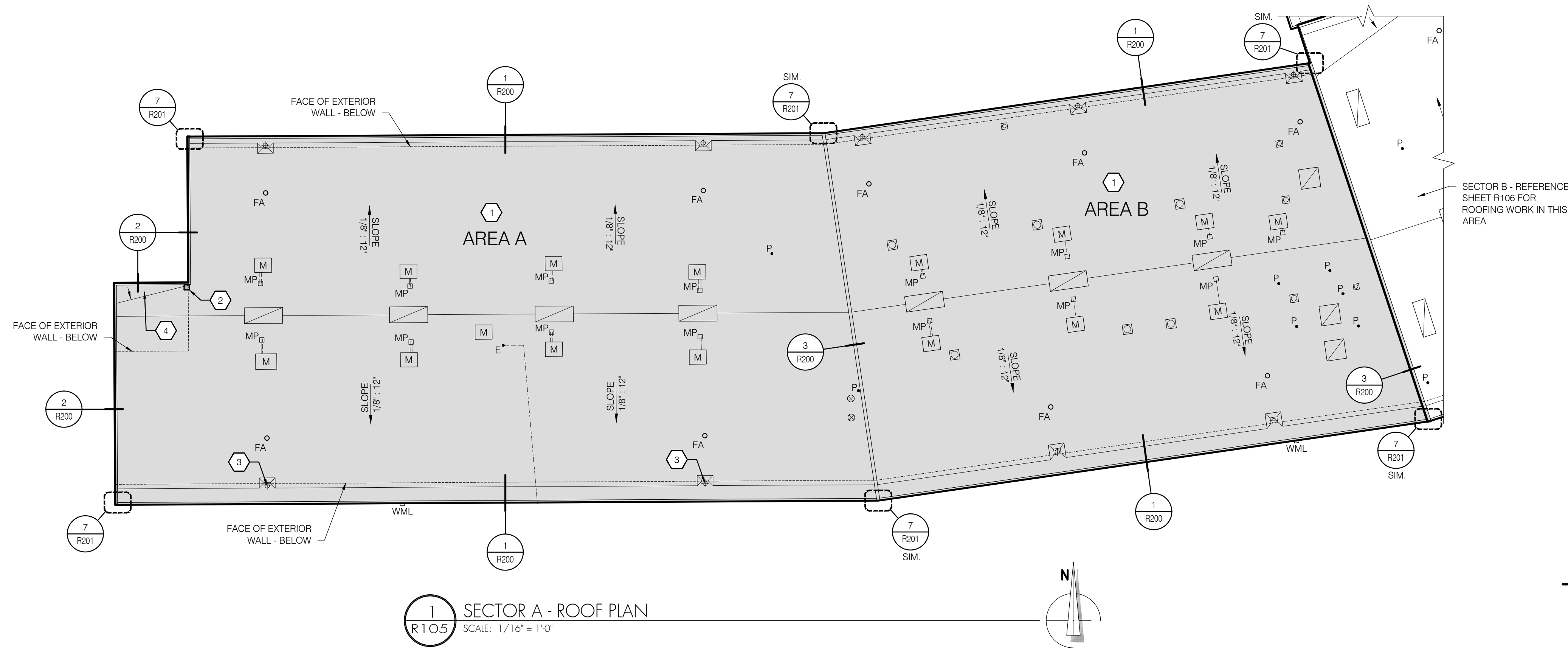
**KEY NOTES**

- 1 INSTALL 4-PLY AND A CAP BUILT UP ROOF ASSEMBLY (ROOF ASSEMBLY 1).  
- REFERENCE DETAIL 4/GI-2.
- 2 INSTALL DECK INFILL PRIOR TO ROOF MEMBRANE ASSEMBLY.  
- REFERENCE STRUCTURAL DRAWINGS.
- 3 INSTALL ROOF DRAIN AND ASSOCIATED 4" DIAMETER DRAIN LINE - TIE INTO EXISTING BASE-OF-WALL STORM DRAINAGE HOOKUP.
- 4 INSTALL INSULATION CRICKET WITH 1/2" PANEL SLOPE UTILIZING A 3:1 LENGTH:WIDTH RATIO EXCEPT WHERE NOTED OTHERWISE.

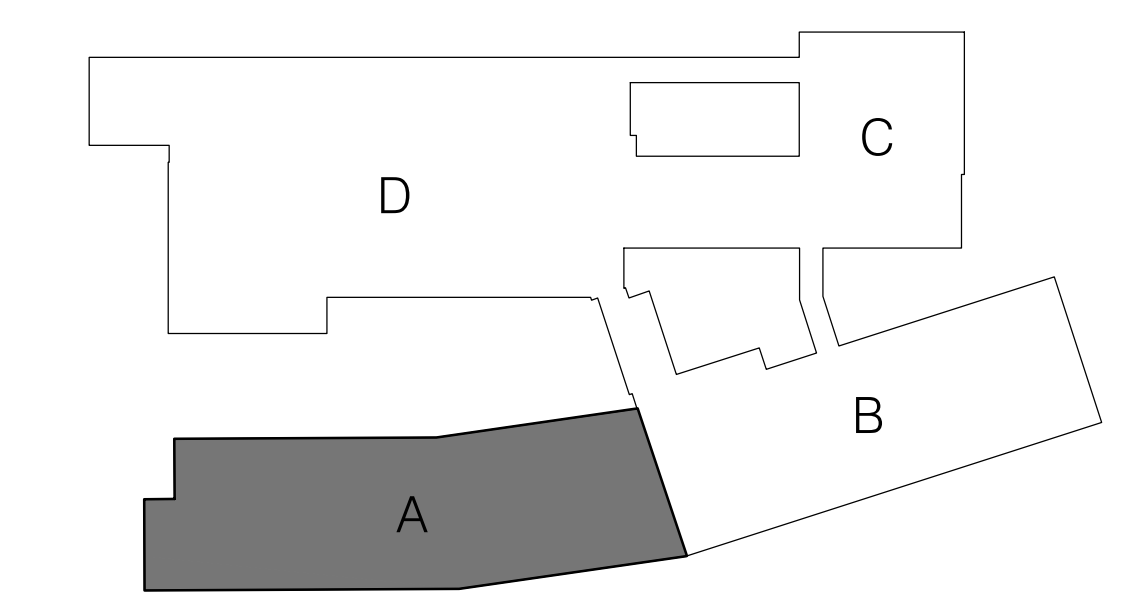
**LEGEND**

(SYMBOLS APPLY TO SHADED AREA ONLY)

- SHADED AREA INDICATES EXTENT OF ROOF REPLACEMENT SCOPE OF WORK
- PARTIALLY SUMPED ROOF DRAIN  
- TIE INTO EXISTING 3" (FIELD VERIFY) DIAMETER DRAIN LINE/DOWNSPOUT ASSEMBLY EXCEPT WHERE NOTED OTHERWISE
- WML  
WALL MOUNTED LIGHT
- EXISTING PLUMBING VENT PIPE  
- RAISE AS REQUIRED TO MEET MINIMUM FLASHING HEIGHT REQUIREMENT
- FALL PROTECTION ANCHOR  
- REFERENCE STRUCTURAL
- MULTI-PENETRATION PITCH PAN  
- DISCONNECT ELECTRICAL LINES AS REQUIRED TO RAISE CONDUITS TO MEET MINIMUM HEIGHT REQUIREMENT ABOVE NEW ROOF ASSEMBLY. RECONNECT SERVICES.
- EXISTING CURBED MECHANICAL EQUIPMENT
- EXISTING CURBED SKYLIGHT  
- RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CURBED FAN  
- RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CURBED VENT  
- RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING FLANGED VENT  
- RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING OVER-ROOF ELECTRICAL CONDUITS  
- ADJUST TO CONFORM TO NEW TAPERED ROOF ASSEMBLY
- ARROW INDICATES DIRECTION AND FINISHED SLOPE OF TAPERED INSULATION ASSEMBLY  
- AT SOLID HATCHED CRICKETS, ARROW INDICATES DIRECTION OF FINISHED SLOPE ONLY



**KEY PLAN**



SHEET TITLE:  
 SECTOR A - ROOF PLAN

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
 Revisions:

Drawn: TWB  
 Check: BAR  
 File: R100-Roof\_Plans  
 Job: R3282.07

SHEET NUMBER:  
**R105**

BID SET



**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**

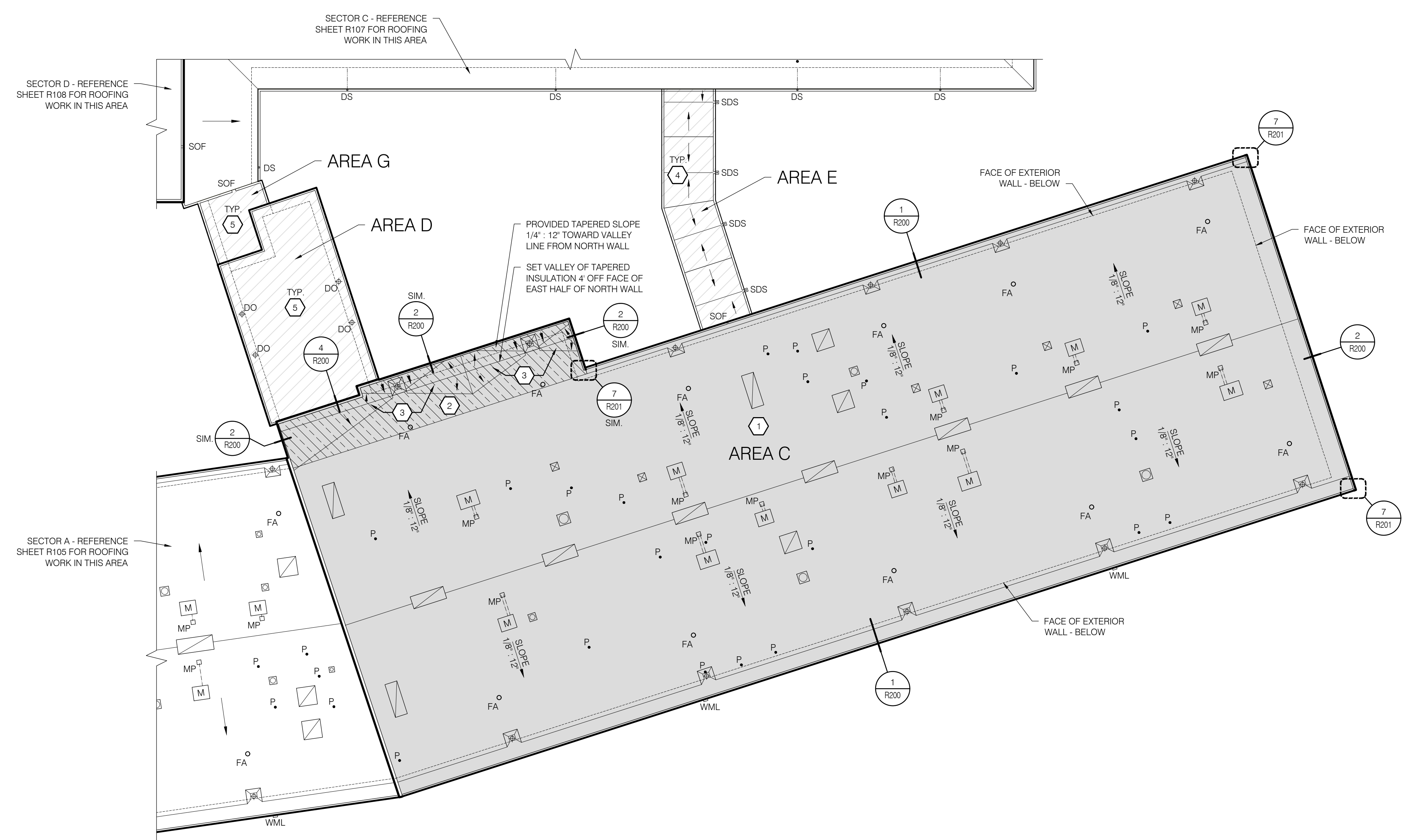
**KEY NOTES**

- 1 INSTALL 4-PLY AND A CAP BUILT UP ROOF ASSEMBLY (ROOF ASSEMBLY 1) - REFERENCE DETAIL 4/GI-2.
- 2 INSTALL 4-PLY AND A CAP BUILT UP ROOF ASSEMBLY (ROOF ASSEMBLY 2) - REFERENCE DETAIL 5/GI-2.
- 3 INSTALL INSULATION CRICKET WITH 1/2" PANEL SLOPE UTILIZING A 3:1 LENGTH/WIDTH RATIO EXCEPT WHERE NOTED OTHERWISE.
- 4 BUR MEMBRANE REPAIR - ALUMINUM COATING APPLICATION
- 5 BUR MEMBRANE REPAIR - REINFORCED FLUID-APPLIED MEMBRANE APPLICATION

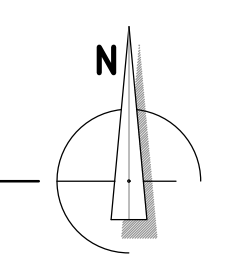
**LEGEND**

(SYMBOLS APPLY TO SHADED AND HATCHED AREAS ONLY)

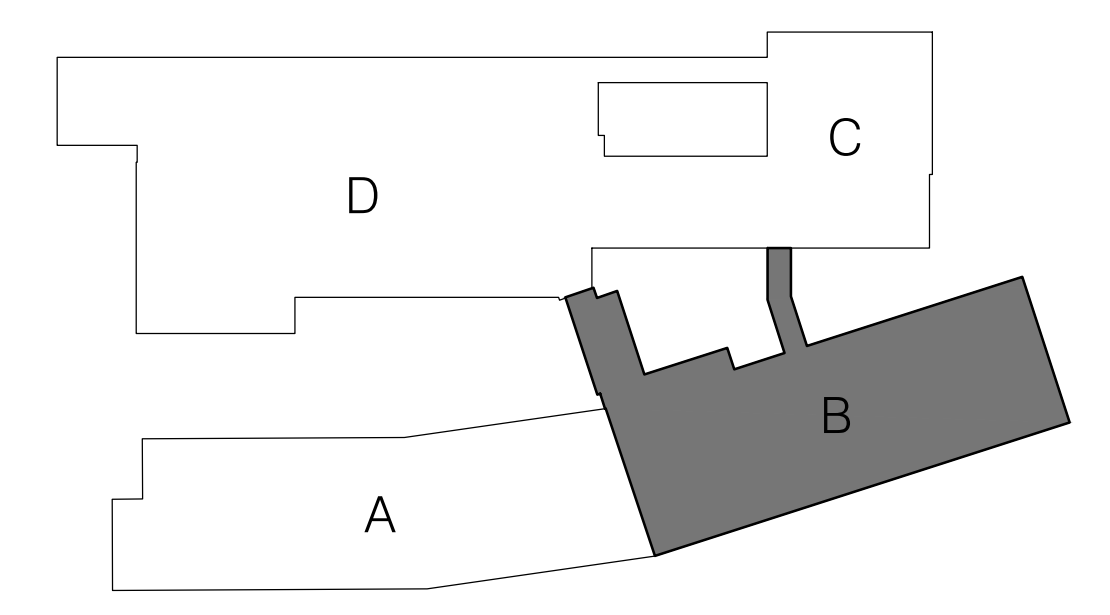
- SHADED AREA INDICATES EXTENT OF ROOF REPLACEMENT SCOPE OF WORK
- SHADED HATCH INDICATES EXTENT OF ROOF ASSEMBLY 2 - REFERENCE ASSOCIATED KEY NOTE
- HATCHED AREA INDICATES EXTENT OF ROOF REPAIR SCOPE OF WORK
- SUMPED ROOF DRAIN - TIE INTO EXISTING 3" (FIELD VERIFY) DIAMETER DRAIN LINE/DOWNSPOUT ASSEMBLY
- FULLY SUMPED ROOF DRAIN - TIE INTO EXISTING 3" (FIELD VERIFY) DIAMETER DRAIN LINE/DOWNSPOUT ASSEMBLY
- EXISTING DROP SCUPPER
- EXISTING SCUPPER AND COLLECTION BOX
- WALL MOUNTED LIGHT
- EXISTING PLUMBING VENT PIPE - RAISE AS REQUIRED TO MEET MINIMUM FLASHING HEIGHT REQUIREMENT
- FALL PROTECTION ANCHOR - REFERENCE STRUCTURAL
- MULTI-PENETRATION PITCH PAN - DISCONNECT ELECTRICAL LINES AS REQUIRED TO RAISE CONDUITS TO MEET MINIMUM HEIGHT REQUIREMENT ABOVE NEW ROOF ASSEMBLY. RECONNECT SERVICES.
- EXISTING CURBED MECHANICAL EQUIPMENT
- EXISTING CURBED SKYLIGHT - RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CURBED FAN - RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CURBED VENT - RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING OVER-ROOF ELECTRICAL CONDUITS - ADJUST TO CONFORM TO NEW TAPERED ROOF ASSEMBLY
- ARROW INDICATES DIRECTION AND FINISHED SLOPE OF TAPERED INSULATION ASSEMBLY - AT SOLID HATCHED CRICKETS, ARROW INDICATES DIRECTION OF FINISHED SLOPE ONLY



1 SECTOR B - ROOF PLAN  
 R106 SCALE: 1/16" = 1'-0"



**KEY PLAN**



SHEET TITLE:

SECTOR B - ROOF PLAN

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021

Revisions:

Drawn: TWB

Check: BAR

File: R100-Roof\_Plans

Job: R3282.07

SHEET NUMBER:  
**R106**

BID SET

**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**

SHEET TITLE:  
 SECTOR C - ROOF PLAN

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
 Revisions:

Drawn: TWB  
 Check: BAR  
 File: R100-Roof\_Plans  
 Job: R3282.07

SHEET NUMBER:  
**R107**

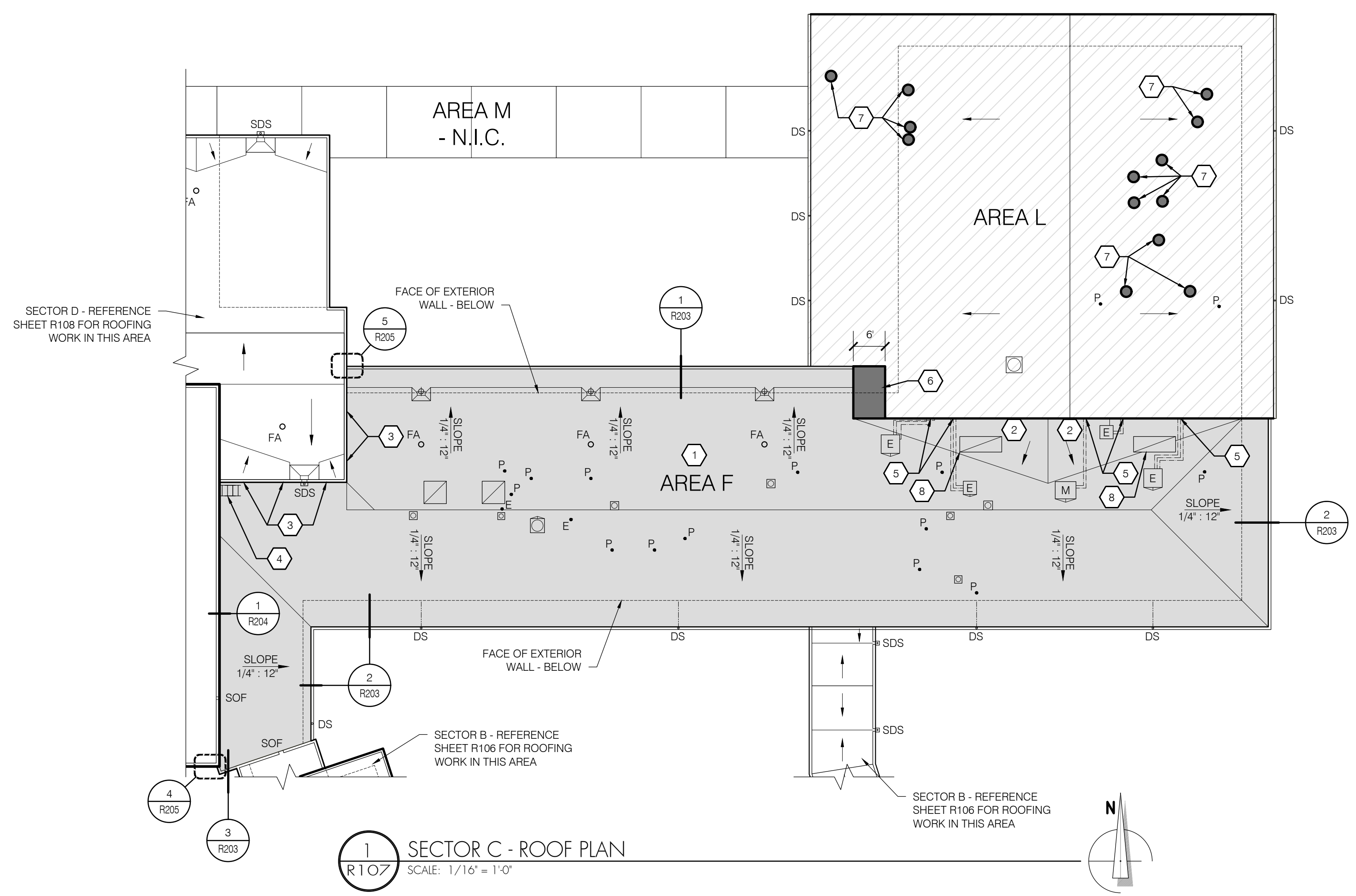
**KEY NOTES**

- 1 INSTALL 4-PLY AND A CAP BUILT UP ROOF ASSEMBLY (ROOF ASSEMBLY 3).  
- REFERENCE DETAIL 6/GI-2.
- 2 INSTALL INSULATION CRICKET WITH 1/2" PANEL SLOPE UTILIZING A 3:1 LENGTH/WIDTH RATIO EXCEPT WHERE NOTED OTHERWISE.
- 3 INFILL OPENINGS IN WALL WHERE CLERESTORY WINDOWS WERE DEMOLISHED.  
- REFERENCE 2/R204 FOR WATERPROOFING.  
- REFERENCE STRUCTURAL FOR FRAMING.
- 4 INSTALL WALL-MOUNTED LADDER.  
- REFERENCE STRUCTURAL.
- 5 ADJUST CONDUIT PENETRATIONS AT ADJACENT WALL TO MAINTAIN A MINIMUM CLEAR VERTICAL HEIGHT ABOVE THE FINISHED ROOF SURFACE OF 8".
- 6 BUR MEMBRANE REPAIR - REINFORCED FLUID-APPLIED MEMBRANE APPLICATION
- 7 BUR MEMBRANE REPAIR - MEMBRANE PATCH
- 8 COAT NEW ROOF WITH REINFORCED-FLUID-APPLIED FLASHING AT ANY LOCATION ON THE CRICKET AND IMMEDIATELY ADJACENT TO THE CRICKET VALLEY IN WHICH PONDING WATER OCCURS. REINFORCED FLUID-APPLIED FLASHING IS TO EXTEND A MINIMUM OF 12" BEYOND THE EXTENT OF ANY AREA IN WHICH WATER IS DEEMED TO BE PONDING.

**LEGEND**

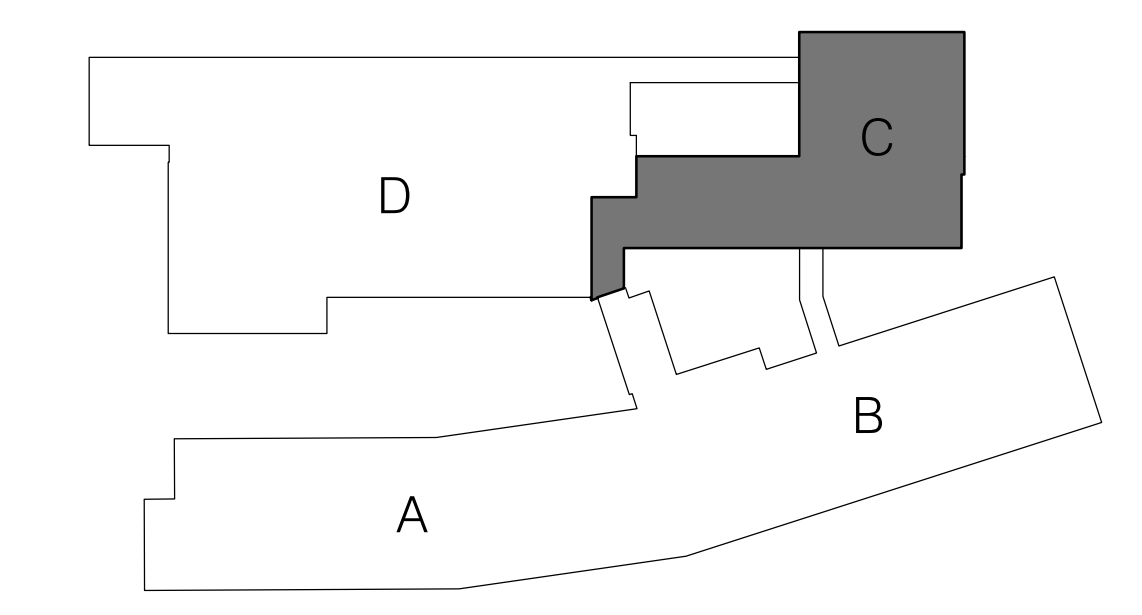
(SYMBOLS APPLY TO SHADED AND HATCHED AREAS ONLY)

- SHADED AREA INDICATES EXTENT OF ROOF REPLACEMENT SCOPE OF WORK
- HATCHED AREA INDICATES EXTENT OF ROOF REPAIR SCOPE OF WORK
- INDICATES APPROXIMATE EXTENT/LOCATION OF REPAIR ACTIVITIES - REFERENCE KEY NOTES AND SPECIFICATIONS
- SUMPED ROOF DRAIN  
- TIE THE NEW ROOF DRAIN INTO EXISTING 3" (FIELD VERIFY) DIAMETER DRAIN LINE/DOWNSPOUT ASSEMBLY
- GUTTER AND DOWNSPOUT  
- TIE THE GUTTER DOWNSPOUTS INTO EXISTING 3" (FIELD VERIFY) DIAMETER DRAIN LINE/DOWNSPOUTS ASSEMBLIES BELOW OVERHANG
- EXISTING ELECTRICAL PENETRATION  
- RAISE AS REQUIRED TO MEET MINIMUM FLASHING HEIGHT REQUIREMENT
- EXISTING PLUMBING VENT PIPE  
- RAISE AS REQUIRED TO MEET MINIMUM FLASHING HEIGHT REQUIREMENT
- FALL PROTECTION ANCHOR  
- REFERENCE STRUCTURAL
- EXISTING CURBED MECHANICAL EQUIPMENT  
- RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CAPPED EQUIPMENT CURBS  
- RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CURBED SKYLIGHT  
- RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CURBED FAN  
- RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING OVER-ROOF ELECTRICAL CONDUITS  
- ADJUST TO CONFORM TO NEW TAPERED ROOF ASSEMBLY
- EXISTING WALL-MOUNTED LADDER  
- REFERENCE ASSOCIATED KEY NOTE
- ARROW INDICATES DIRECTION AND FINISHED SLOPE OF TAPERED INSULATION ASSEMBLY  
- AT SOLID HATCHED CRICKETS, ARROW INDICATES DIRECTION OF FINISHED SLOPE ONLY



1 SECTOR C - ROOF PLAN  
 SCALE: 1/16" = 1'-0"

**KEY PLAN**



BID SET

**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**

SHEET TITLE:  
 SECTOR D - ROOF PLAN

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
 Revisions:

Drawn: TWB  
 Check: BAR  
 File: R100-Roof\_Plans  
 Job: R3282.07

SHEET NUMBER:  
**R108**

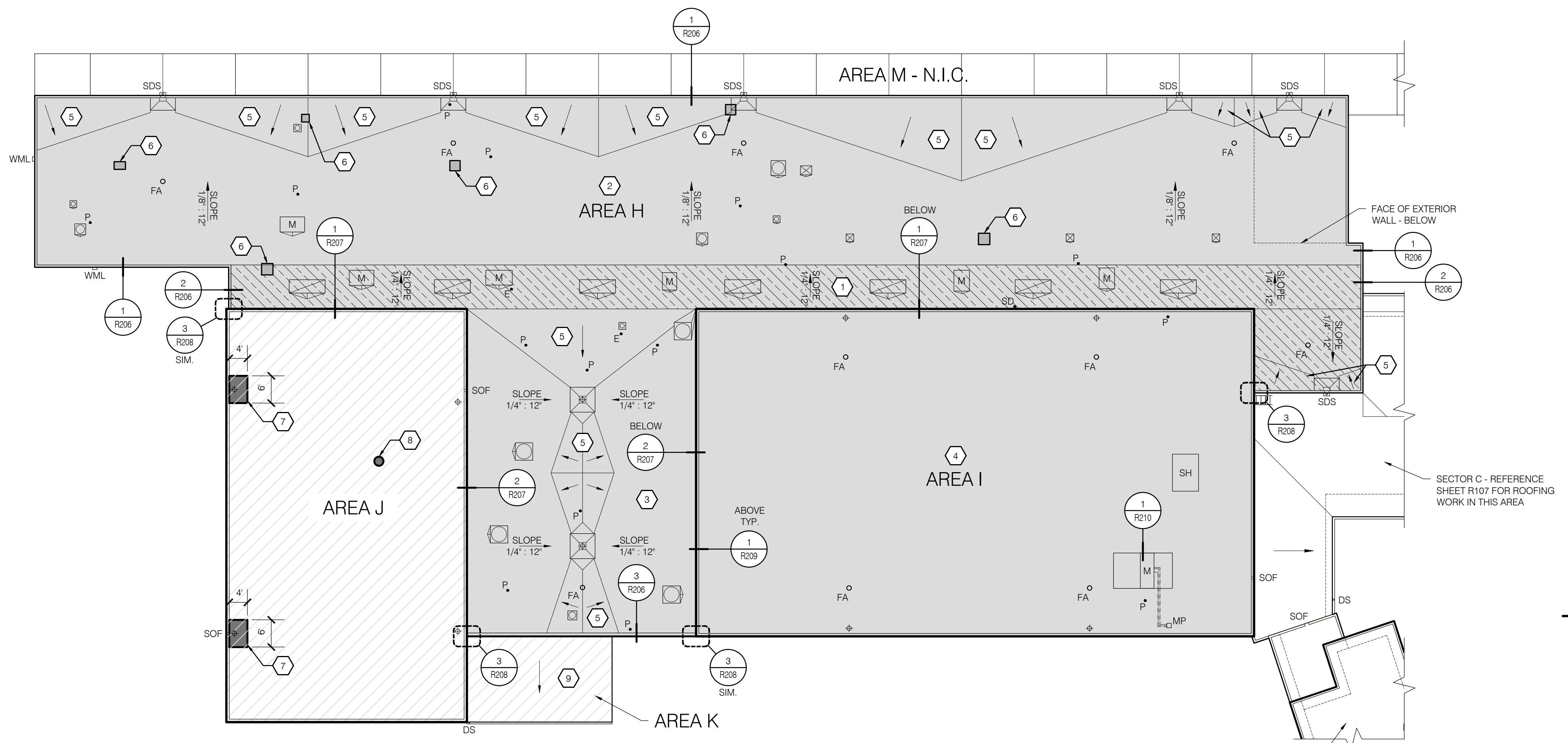
**KEY NOTES**

- 1 INSTALL 4-PLY AND A CAP BUILT UP ROOF ASSEMBLY (ROOF ASSEMBLY 3). TAPERED INSULATION DEPTH VARIES 5' - 7-1/2" (FIELD VERIFY) - REFERENCE DETAIL 6/GI-2.
- 2 INSTALL 4-PLY AND A CAP BUILT UP ROOF ASSEMBLY (ROOF ASSEMBLY 4). TAPERED INSULATION DEPTH VARIES 1/2' - 5" (FIELD VERIFY) - REFERENCE DETAIL 7/GI-2.
- 3 INSTALL 4-PLY AND A CAP BUILT UP ROOF ASSEMBLY (ROOF ASSEMBLY 5). TAPERED INSULATION DEPTH VARIES 1/2' - 4" (FIELD VERIFY) - REFERENCE DETAIL 8/GI-2.
- 4 INSTALL ELASTIC SHEET MEMBRANE OVERLAY ASSEMBLY (ROOF ASSEMBLY 6). - REFERENCE DETAIL 9/GI-2.
- 5 INSTALL INSULATION CRICKET WITH 1/2" PANEL SLOPE UTILIZING A 3:1 LENGTH/WIDTH RATIO EXCEPT WHERE NOTED OTHERWISE.
- 6 INSTALL DECK INFILL PRIOR TO ROOF MEMBRANE ASSEMBLY. - REFERENCE STRUCTURAL DRAWINGS.
- 7 BUR MEMBRANE REPAIR - REINFORCED FLUID-APPLIED MEMBRANE APPLICATION
- 8 BUR MEMBRANE REPAIR - MEMBRANE PATCH
- 9 BUR MEMBRANE REPAIR - REMOVE ORGANIC DEBRIS

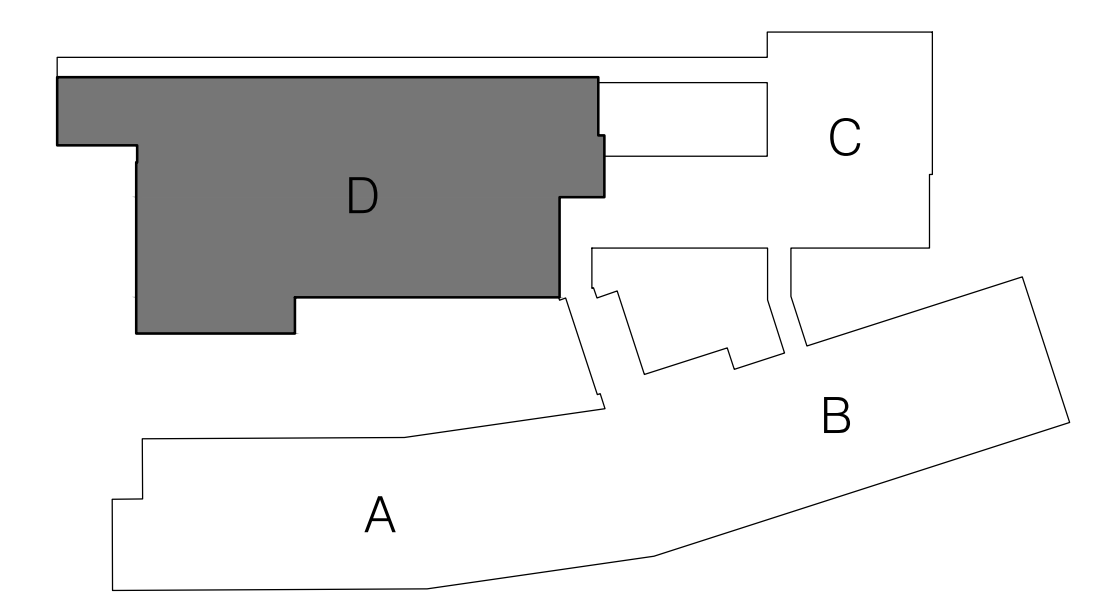
**LEGEND**

(SYMBOLS APPLY TO SHADED AND HATCHED AREAS ONLY)

- SHADED AREA INDICATES EXTENT OF ROOF REPLACEMENT AND/OR ROOF OVERLAY SCOPE OF WORK
- SHADED HATCH INDICATES EXTENT ROOF RECEIVING 1/4" TAPERED INSULATION - REFERENCE ASSOCIATED KEY NOTE
- HATCHED AREA INDICATES EXTENT OF ROOF REPAIR SCOPE OF WORK
- INDICATES APPROXIMATE EXTENT/LOCATION OF REPAIR ACTIVITIES - REFERENCE KEY NOTES AND SPECIFICATIONS
- SUMPED THROUGH-WALL SCUPPER DOWNSPOUT
- SUMPED EXISTING ROOF DRAIN
- EXISTING ROOF DRAIN
- EXISTING SCUPPER OVERFLOW
- EXISTING ELECTRICAL PENETRATION - RAISE AS REQUIRED TO MEET MINIMUM FLASHING HEIGHT REQUIREMENT
- EXISTING PLUMBING VENT PIPE - RAISE AS REQUIRED TO MEET MINIMUM FLASHING HEIGHT REQUIREMENT
- FALL PROTECTION ANCHOR - REFERENCE STRUCTURAL FOR ATTACHMENT
- MULTITYPE (LINE SET) PENETRATION - DISCONNECT ELECTRICAL AND GAS LINES AS REQUIRED TO RAISE CONDUITS AND REDIRECT SERVICES THROUGH SHEET METAL FLASHING HOUSING. RECONNECT SERVICES.
- EXISTING CURBED MECHANICAL EQUIPMENT - RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CURBED SKYLIGHT - RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CURBED FAN - RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CURBED VENT - RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING CURBED SMOKE HATCH - RAISE AS REQUIRED TO MEET MINIMUM MEMBRANE FLASHING HEIGHT REQUIREMENT
- EXISTING OVER-ROOF ELECTRICAL CONDUITS - ADJUST TO CONFORM TO NEW TAPERED ROOF ASSEMBLY
- ARROW INDICATES DIRECTION AND FINISHED SLOPE OF TAPERED INSULATION ASSEMBLY - AT SOLID HATCHED CRICKETS, ARROW INDICATES DIRECTION OF FINISHED SLOPE ONLY

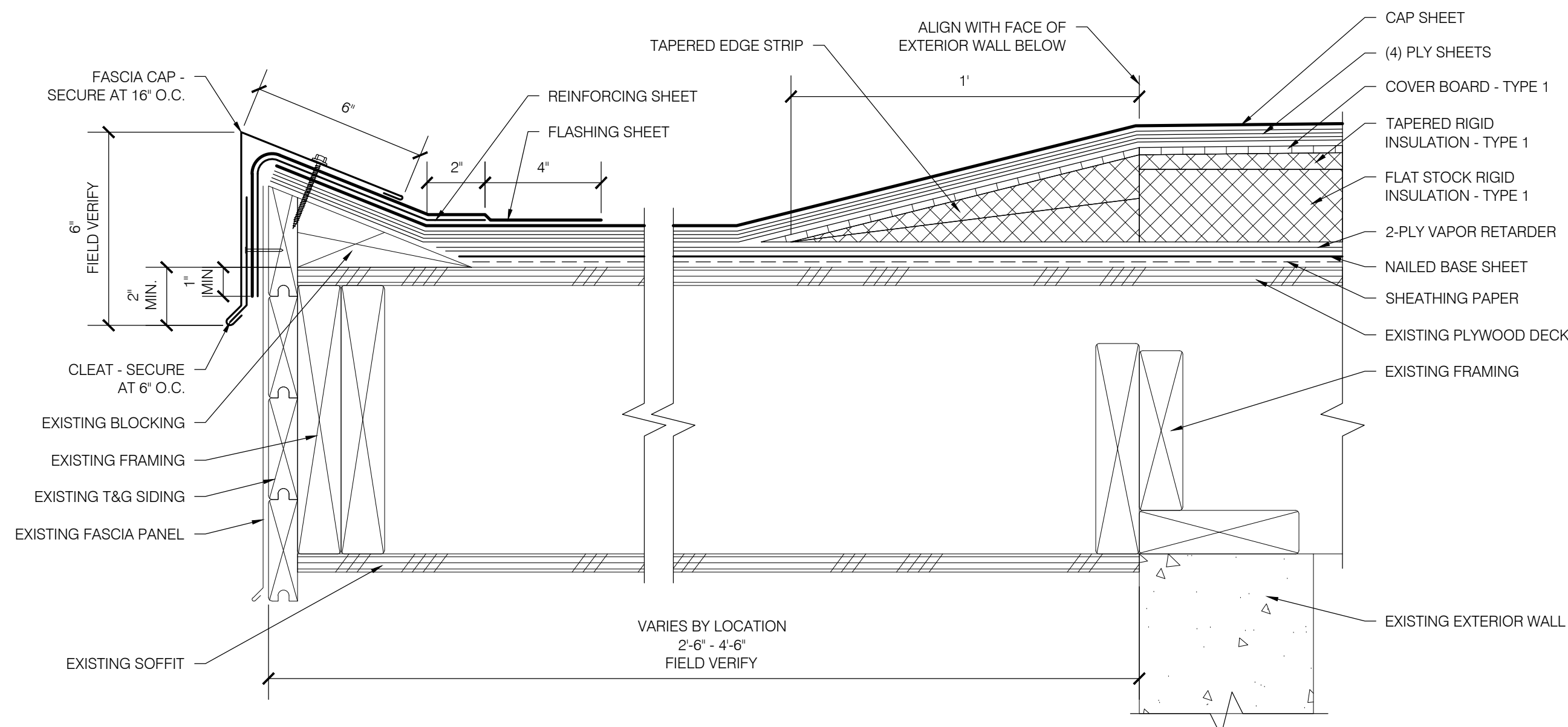


**KEY PLAN**

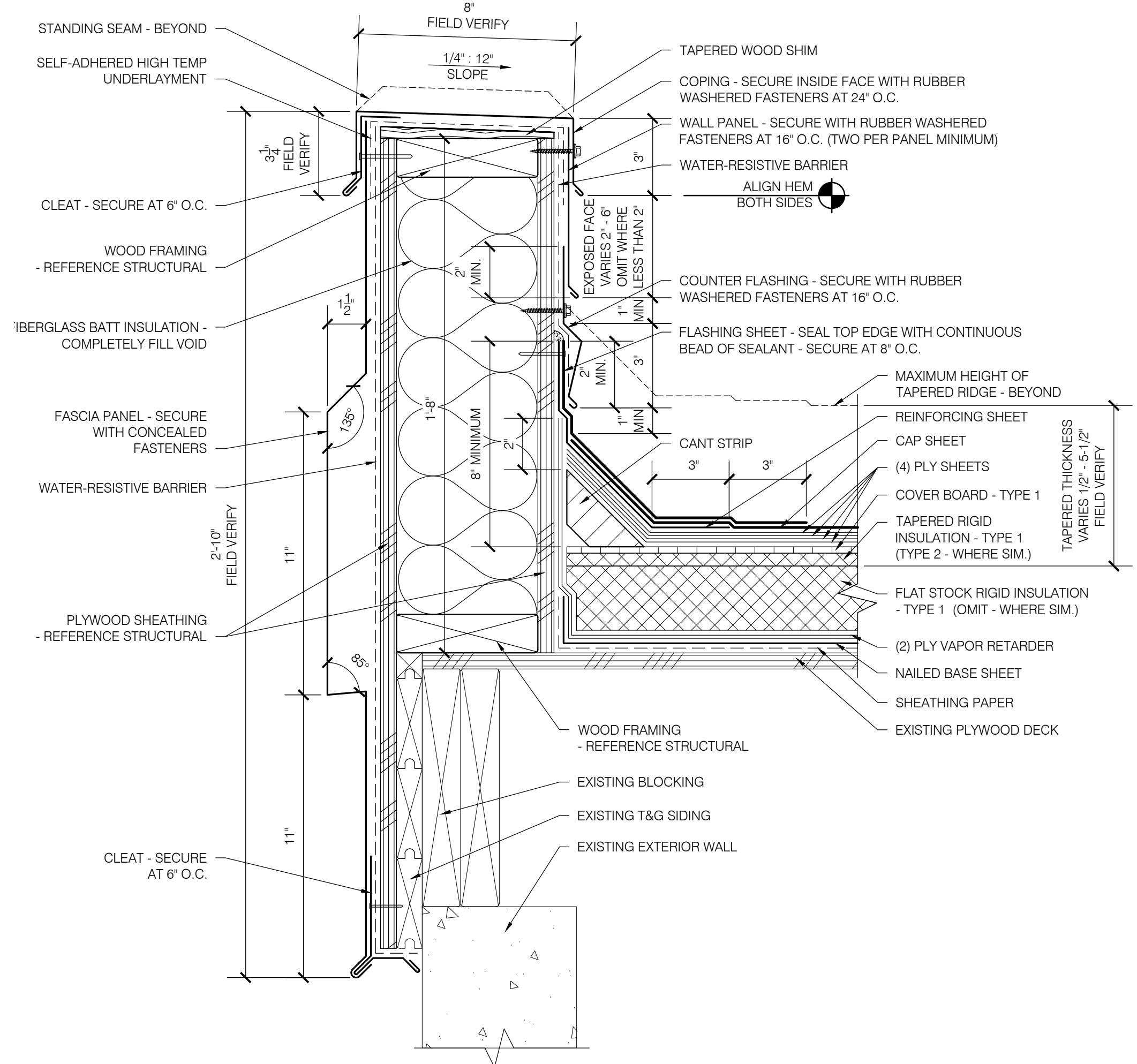


1 SECTOR D - ROOF PLAN  
 R108 SCALE: 1/16" = 1'-0"

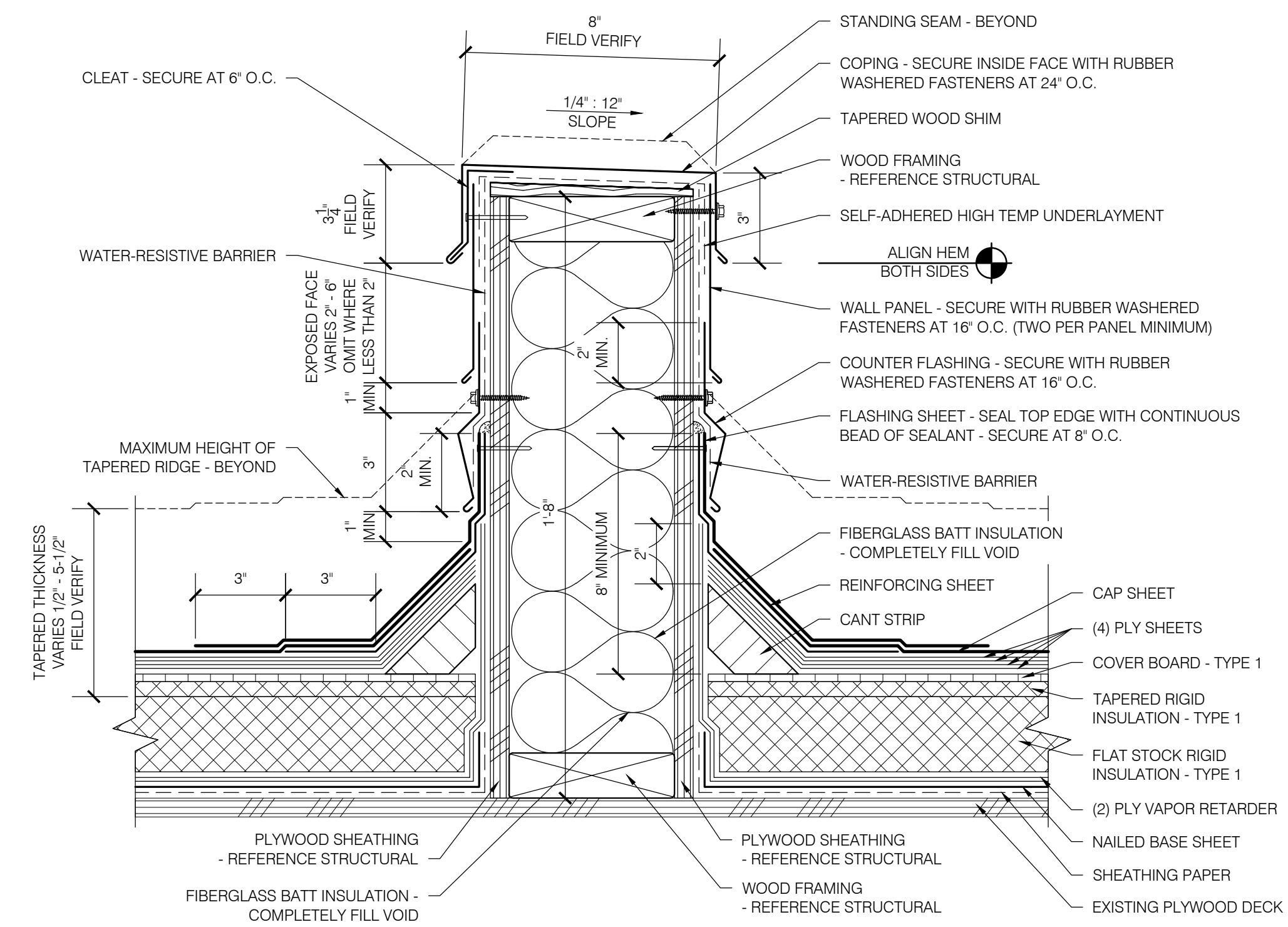
BID SET



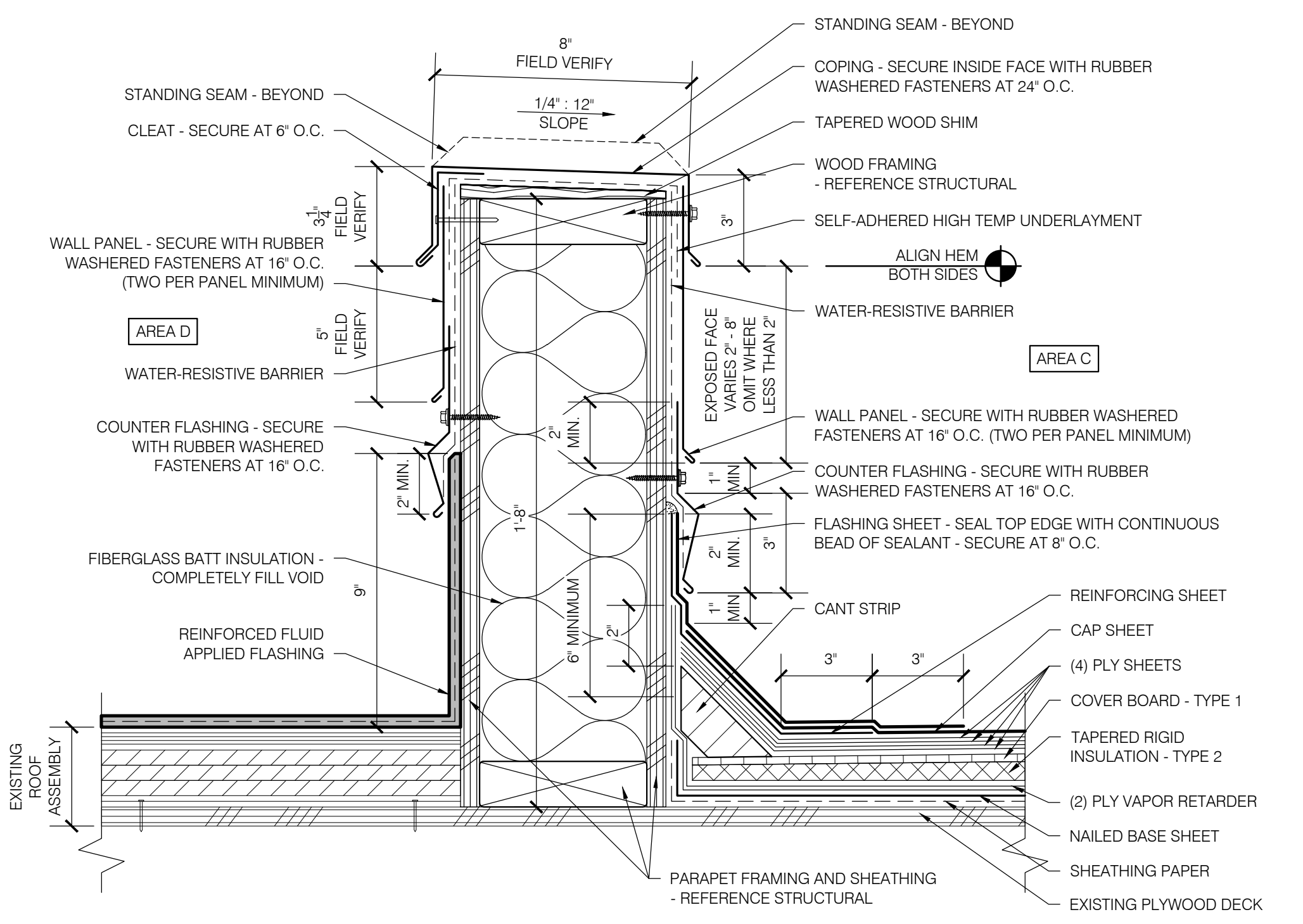
**1**  
AREAS A, B & C  
CURBED EDGE  
SCALE: 3" = 1'-0"



**2**  
AREAS A, B & C  
PARAPET  
SCALE: 3" = 1'-0"



**3**  
AREAS A, B & C  
SEPARATION WALL  
SCALE: 3" = 1'-0"



**4**  
AREAS C & D  
SEPARATION WALL  
SCALE: 3" = 1'-0"

**EUGENE SCHOOL DISTRICT 4J  
SPENCER BUTTE MIDDLE SCHOOL  
ROOF REPLACEMENT**

SHEET TITLE:  
DETAILS - AREAS A, B & C

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
Revisions:

Drawn: TWB  
Check: BAR  
File: R200-Details  
Job: R3282.07

SHEET NUMBER:  
**R200**

BID SET

**EUGENE SCHOOL DISTRICT 4J  
SPENCER BUTTE MIDDLE SCHOOL  
ROOF REPLACEMENT**

SHEET TITLE:  
DETAILS - AREAS A, B & C

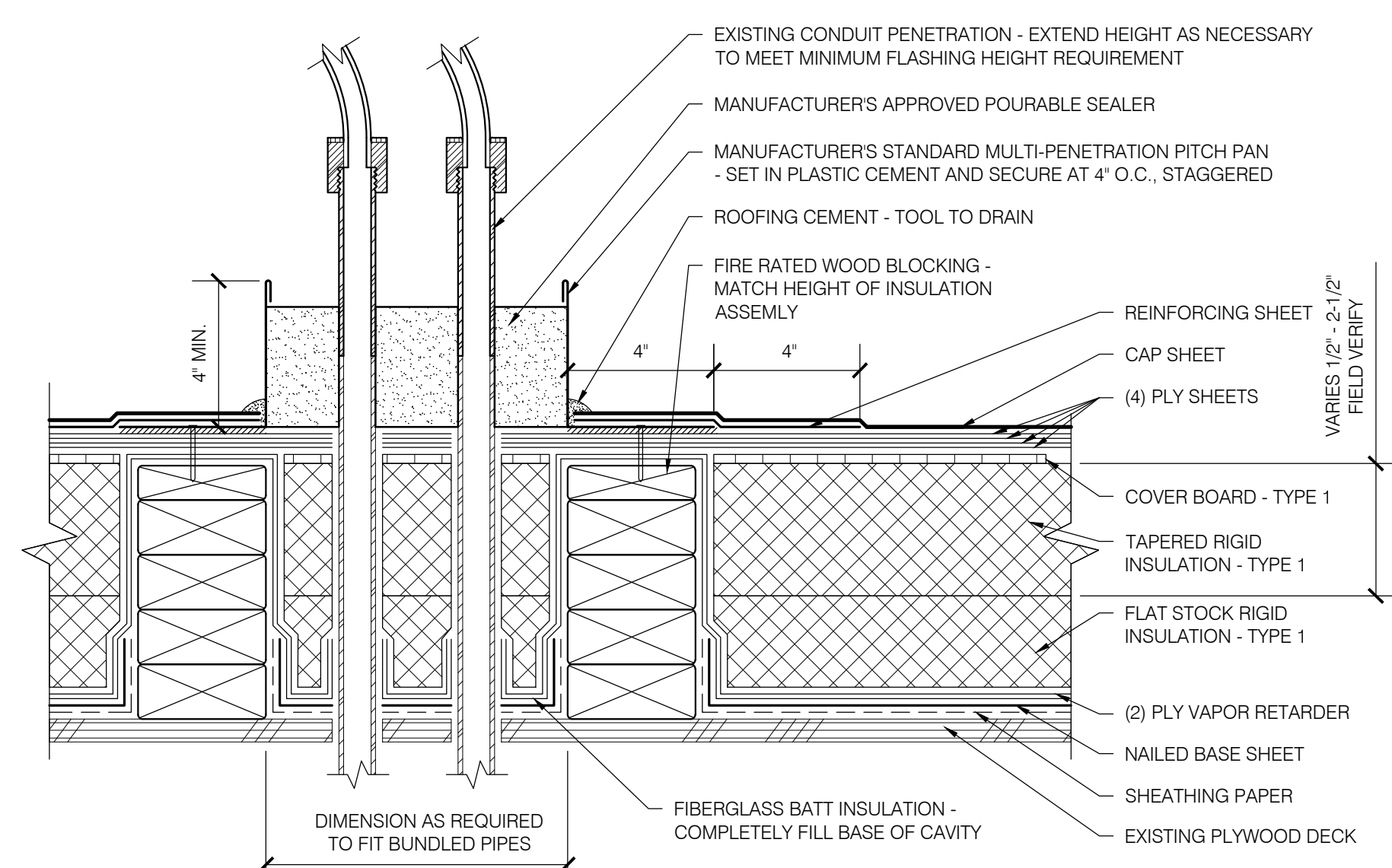
THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

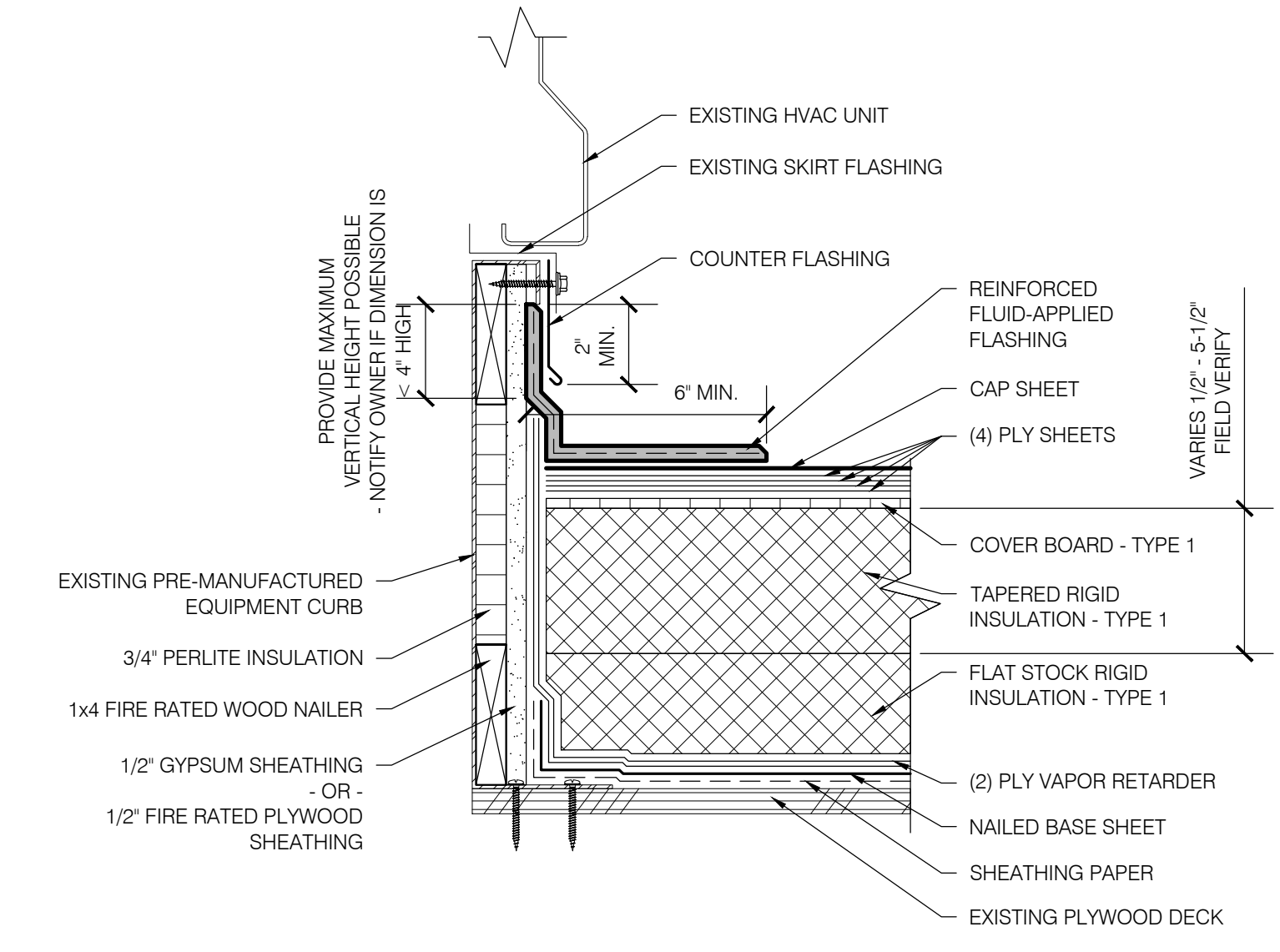
Date: NOVEMBER 10, 2021  
Revisions:

Drawn: TWB  
Check: BAR  
File: R200-Details  
Job: R3282.07

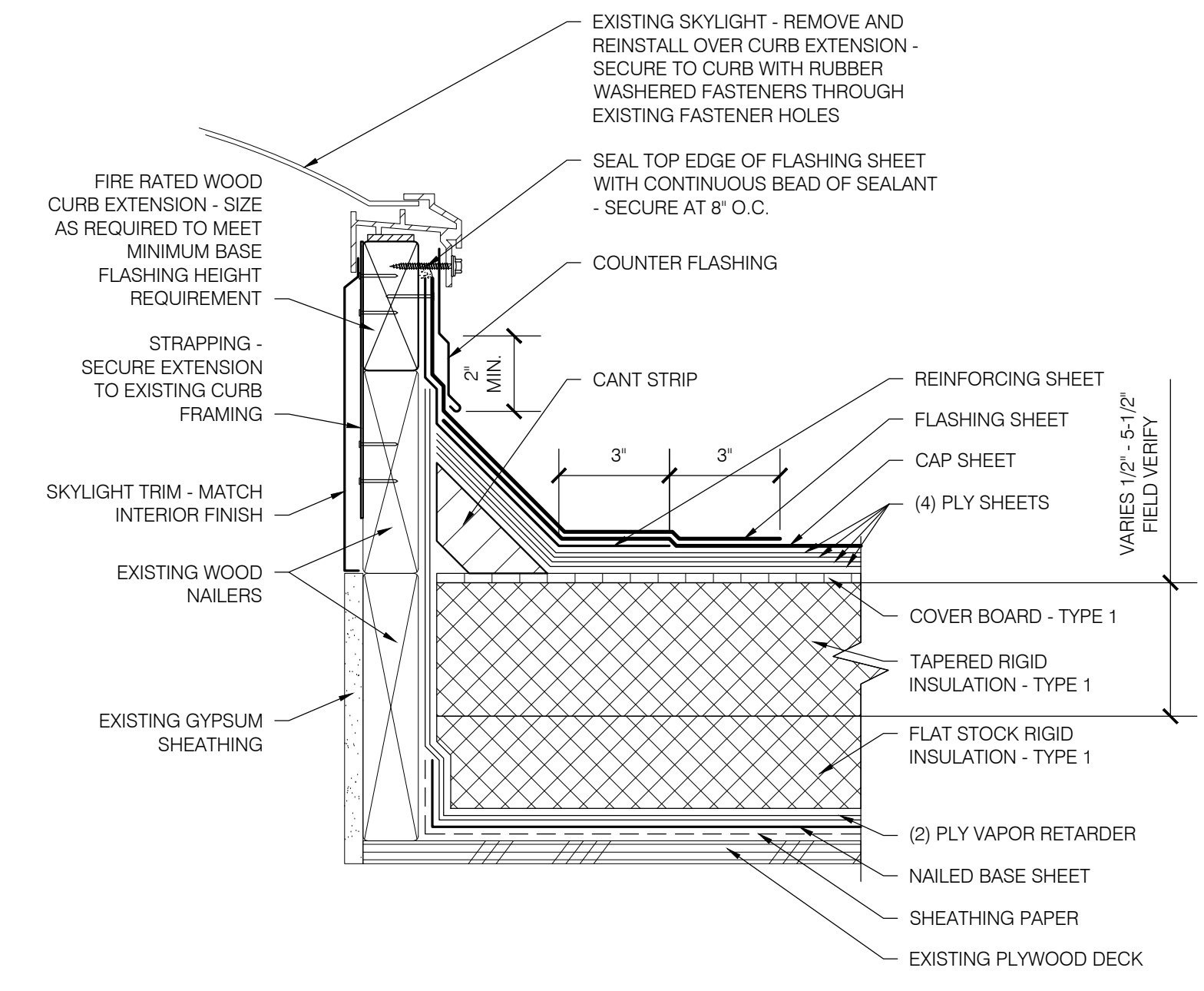
SHEET NUMBER:  
**R201**



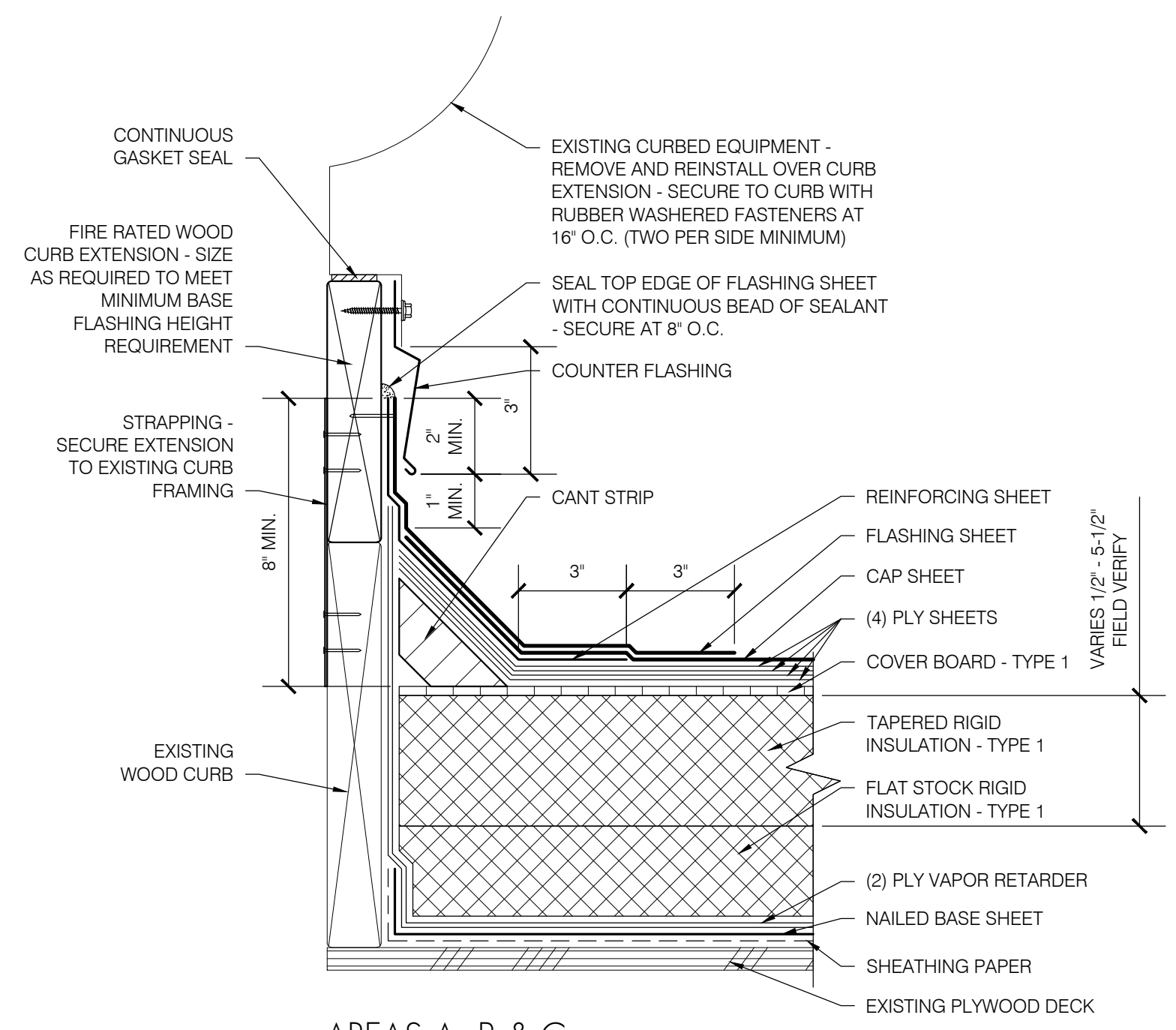
**1**  
AREAS A, B & C  
MULTI-PENETRATION PITCH PAN  
SCALE: 3" = 1'-0"



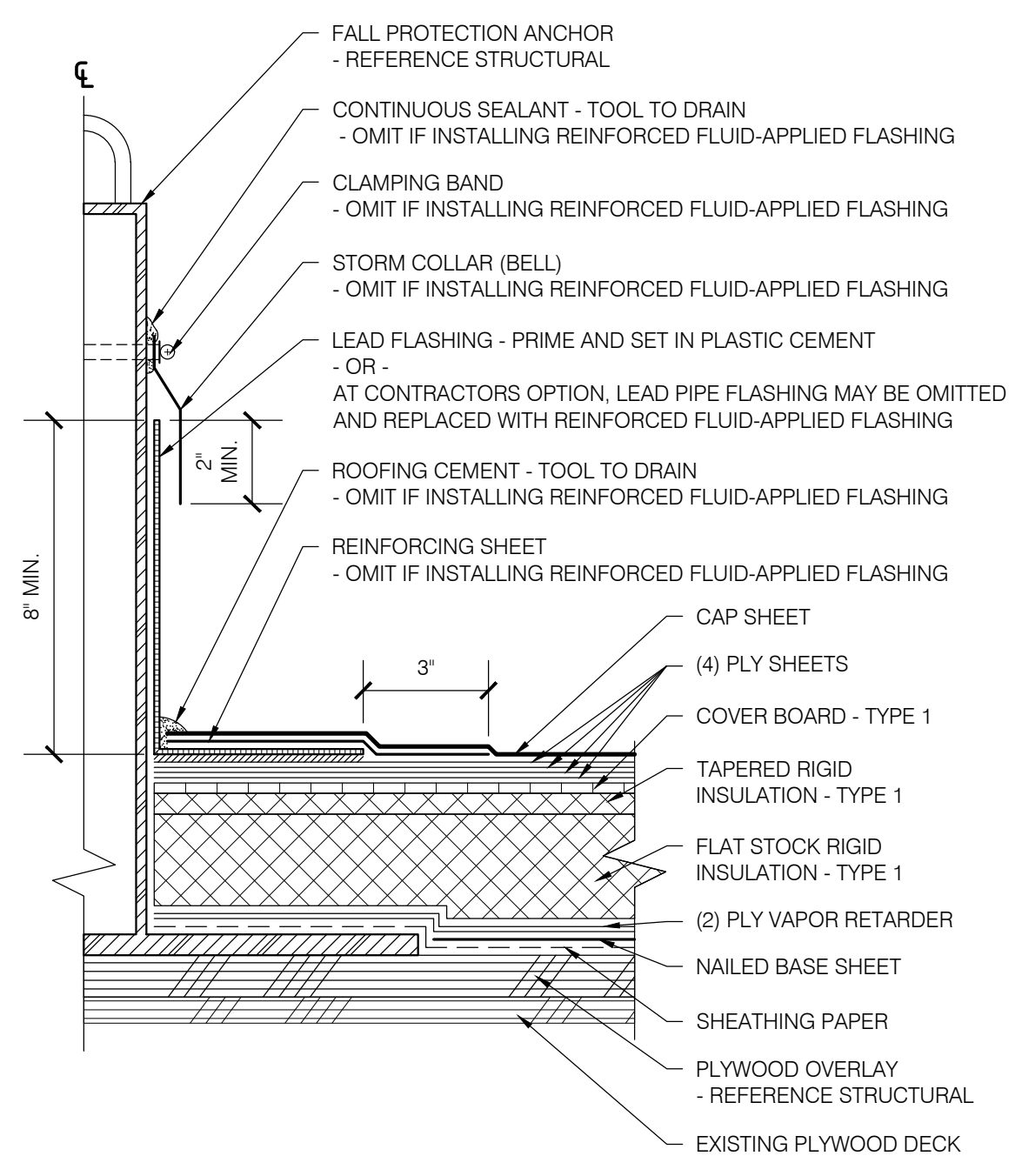
**2**  
AREAS A, B & C  
MECHANICAL CURB  
SCALE: 3" = 1'-0"



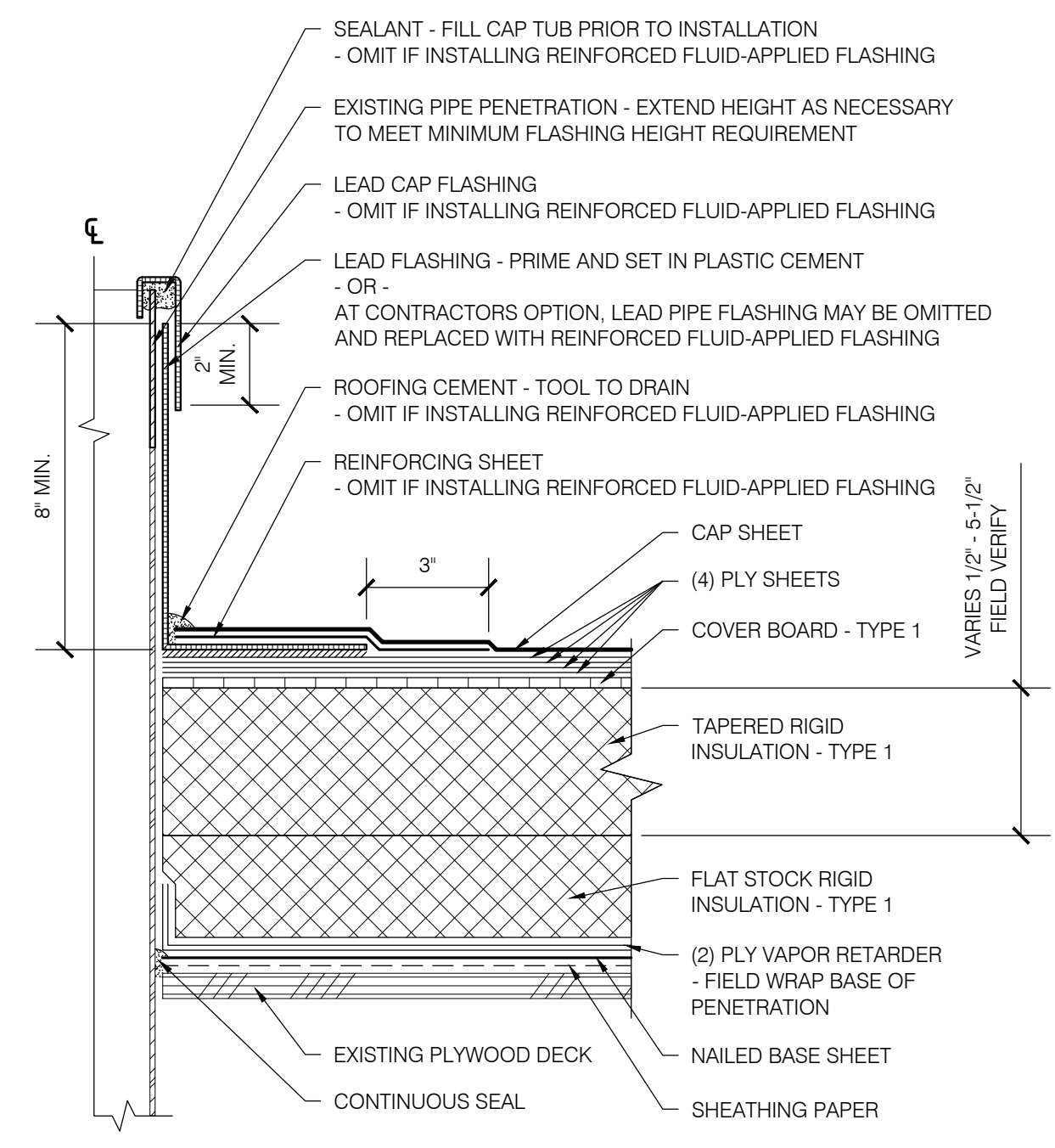
**3**  
AREAS A, B & C  
CURBED SKYLIGHT  
SCALE: 3" = 1'-0"



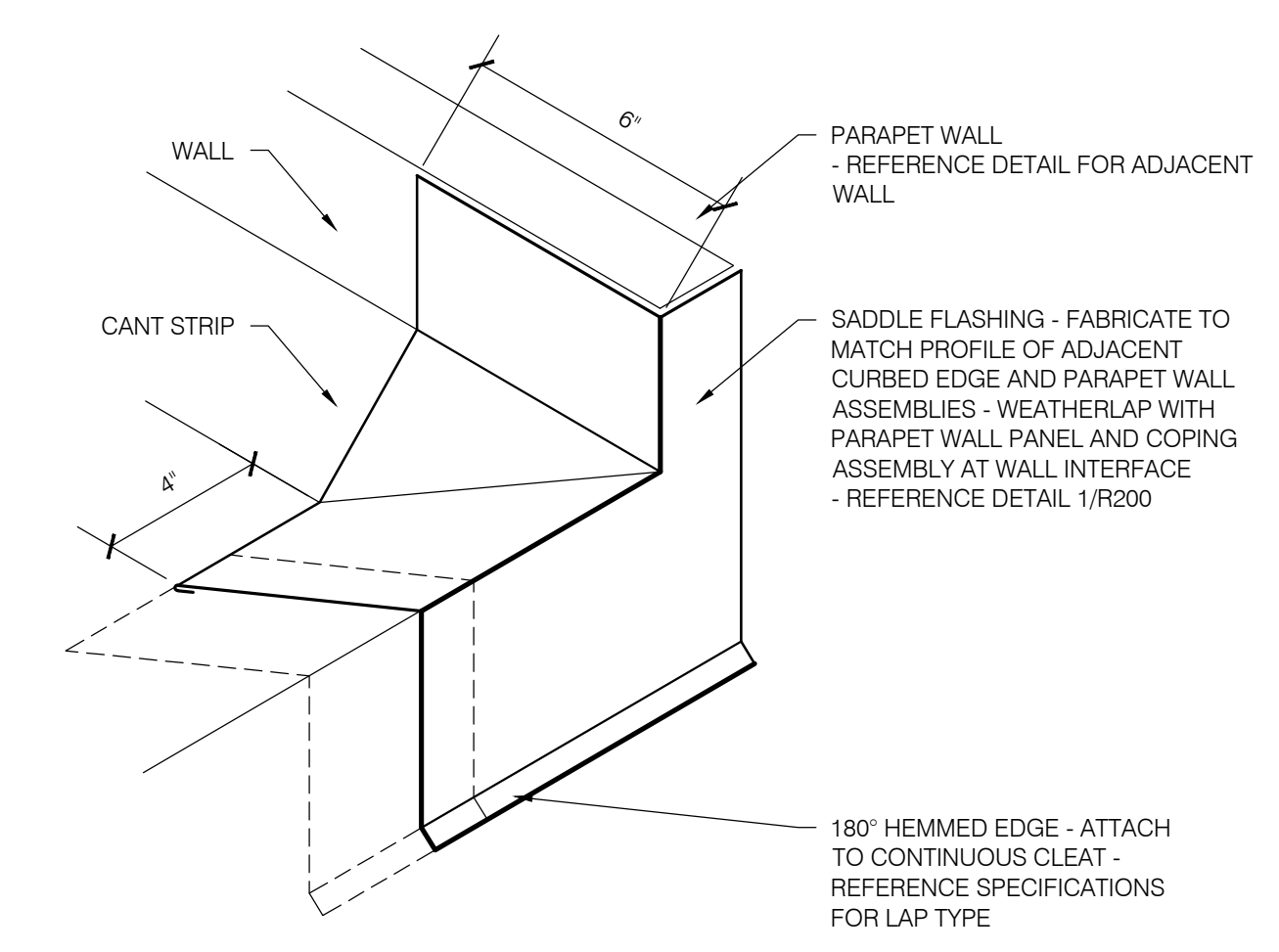
**4**  
AREAS A, B & C  
CURBED FAN  
SCALE: 3" = 1'-0"



**5**  
AREAS A, B & C  
FALL PROTECTION ANCHOR  
SCALE: 3" = 1'-0"



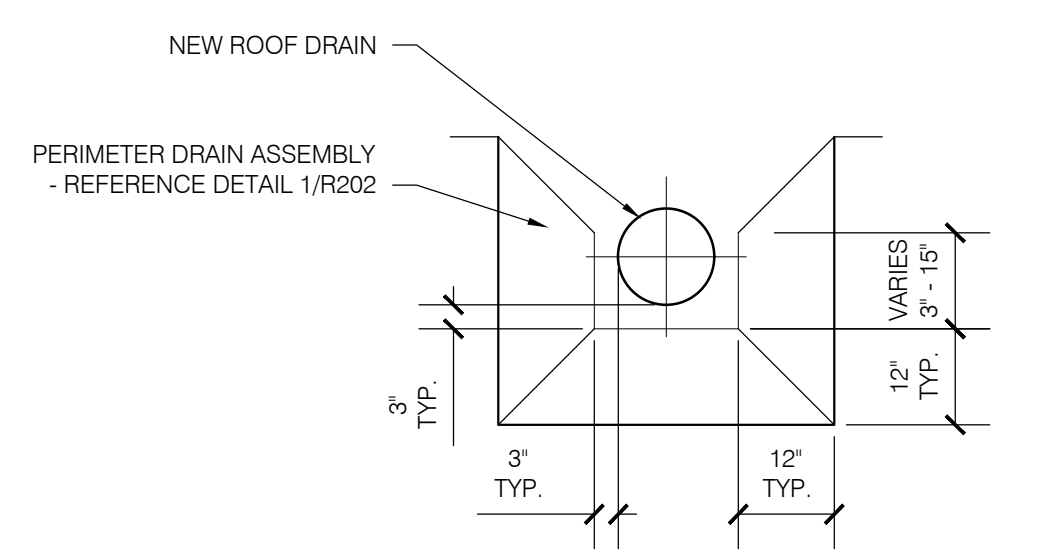
**6**  
AREAS A, B & C  
PLUMBING VENT PIPE  
SCALE: 3" = 1'-0"



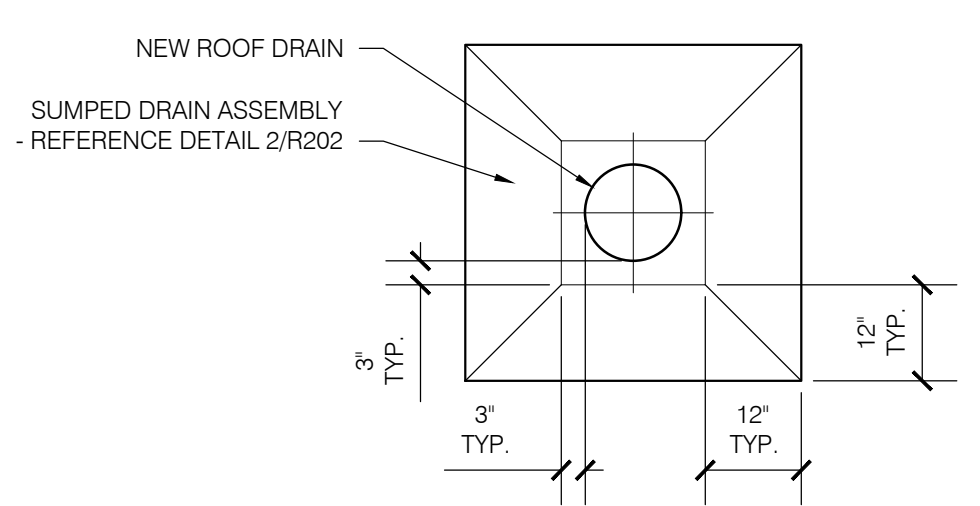
**7**  
AREAS A, B & C  
SADDLE FLASHING  
SCALE: 3" = 1'-0"

BID SET

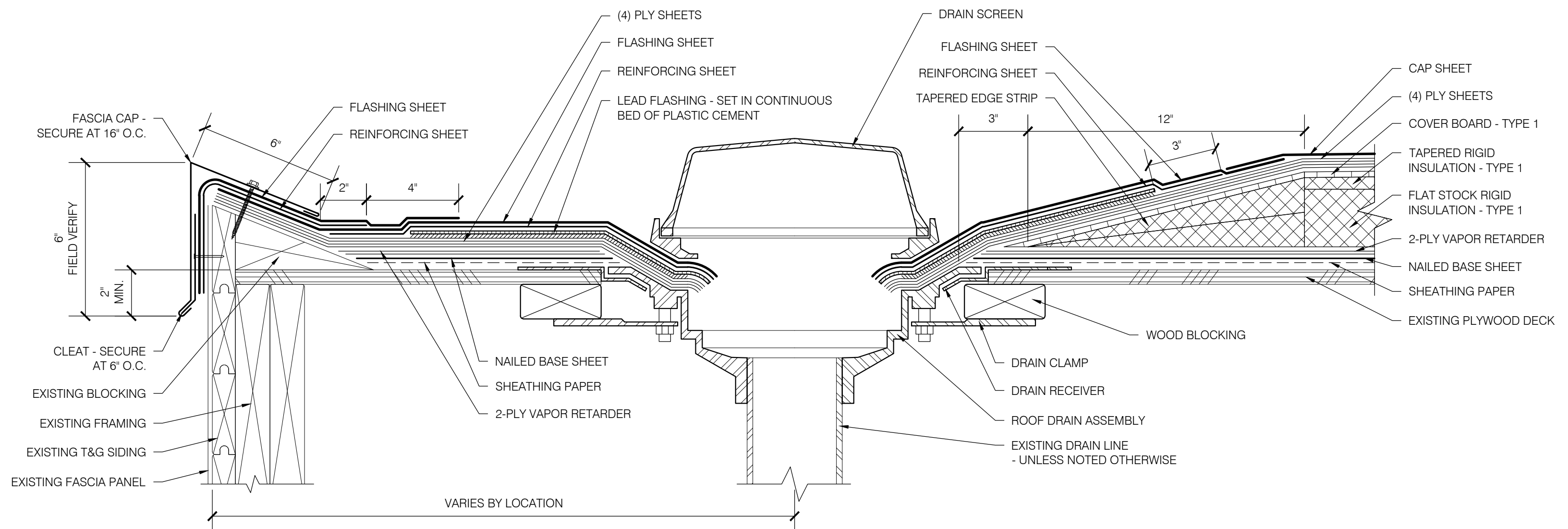
**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**



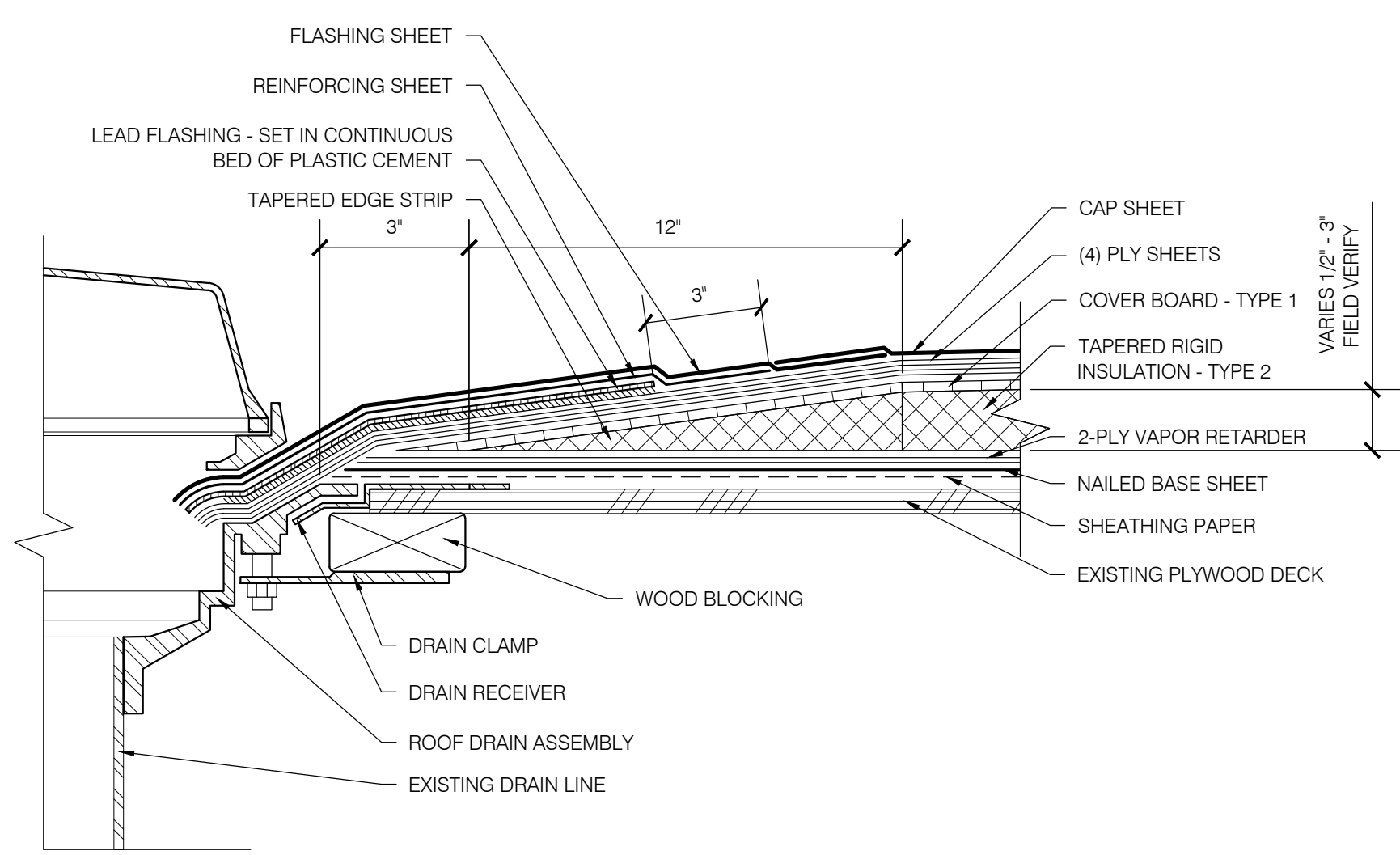
**1A** AREAS A, B & C  
**R202** PLAN VIEW - PERIMETER DRAIN ASSEMBLY  
 SCALE: 1/2" = 1'-0"



**2A** AREAS A, B & C  
**R202** PLAN VIEW - DRAIN SUMP  
 SCALE: 1/2" = 1'-0"



**1** AREAS A, B & C  
**R202** PERIMETER DRAIN ASSEMBLY  
 SCALE: 3" = 1'-0"



**2** AREA C  
**R202** SUMPED DRAIN ASSEMBLY  
 SCALE: 3" = 1'-0"

SHEET TITLE:  
 DETAILS - AREAS A, B & C

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
 Revisions:

Drawn: TWB  
 Check: BAR  
 File: R200-Details  
 Job: R3282.07

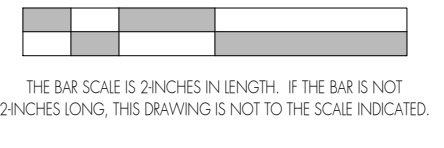
BID SET

SHEET NUMBER:  
**R202**

**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**

SHEET TITLE: \_\_\_\_\_  
 DETAILS - AREA F \_\_\_\_\_

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

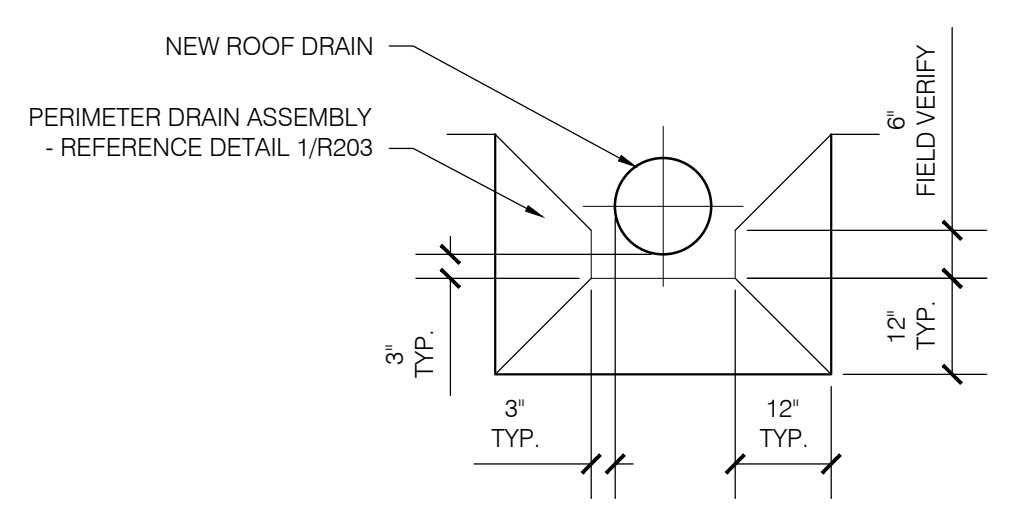


Date:	NOVEMBER 10, 2021
Revisions:	

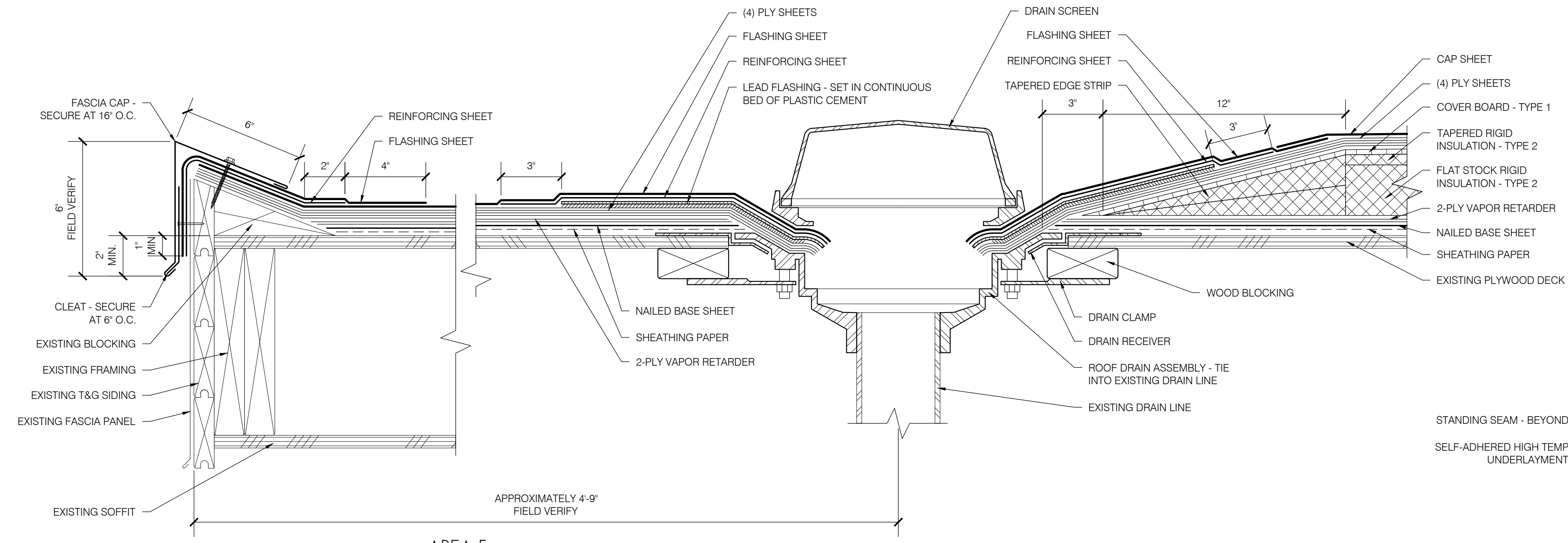
Drawn:	TWB
Check:	BAR
File:	R200-Details
Job:	R3282.07

SHEET NUMBER:  
**R203**

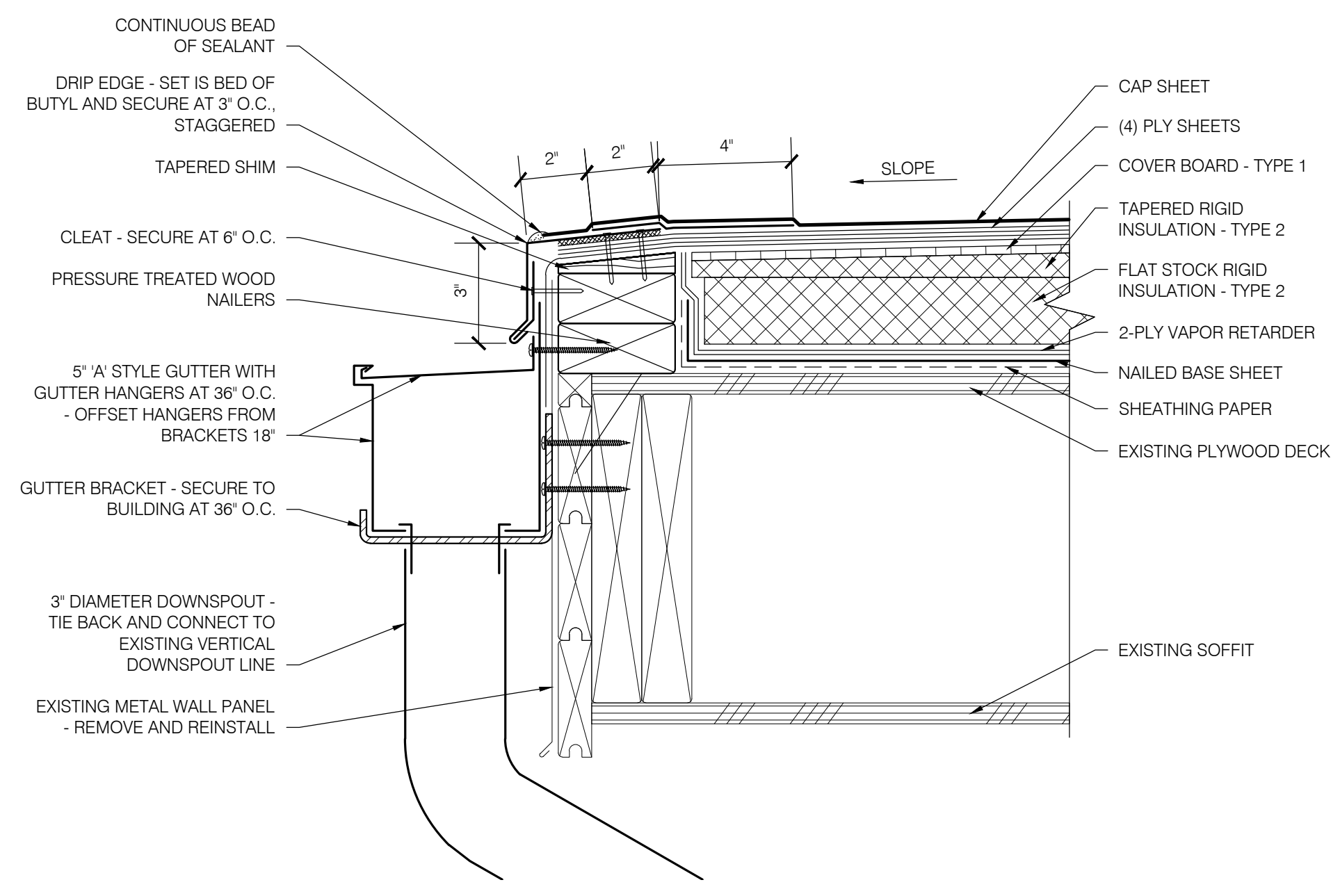
BID SET



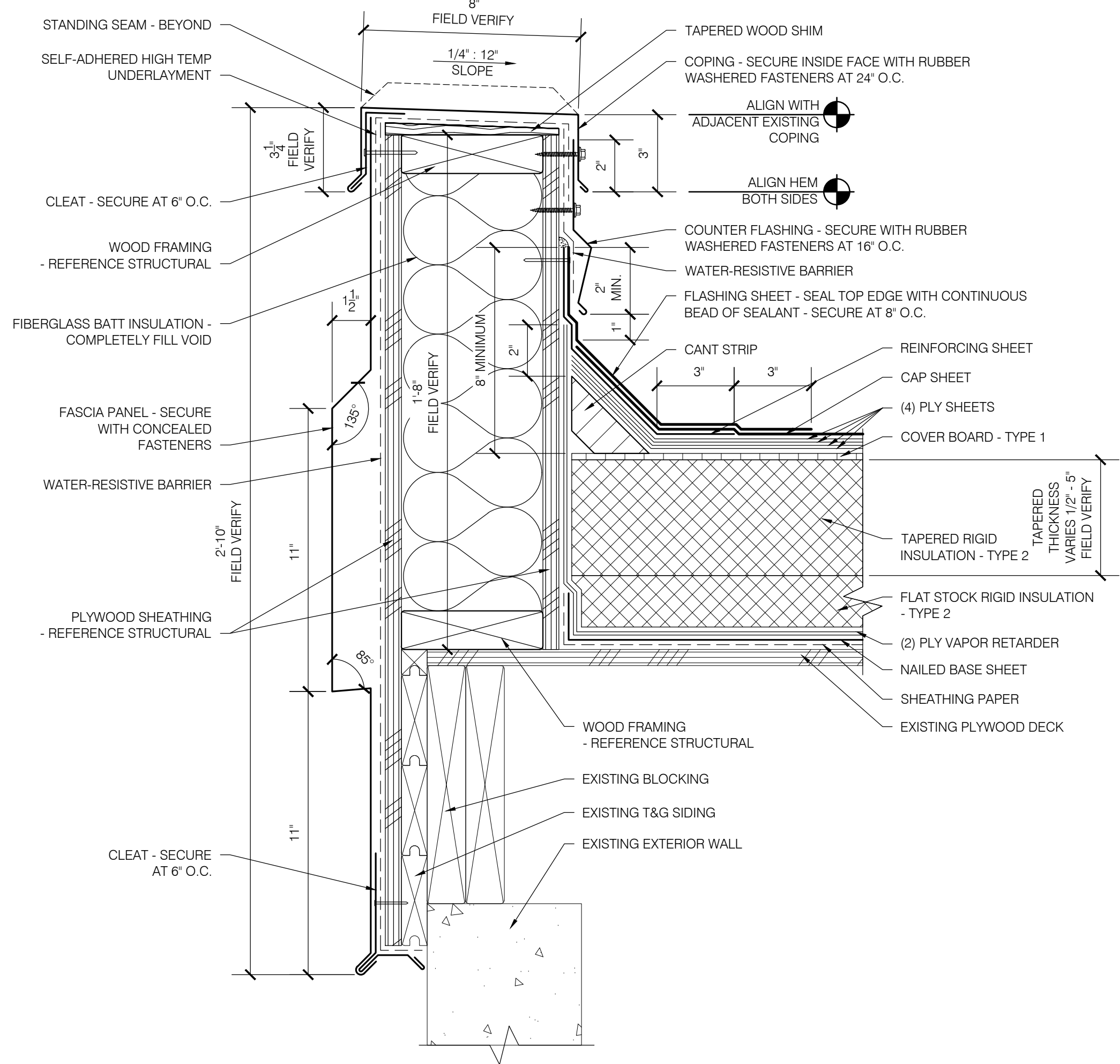
**AREA F  
 1A  
 R203** PLAN VIEW - PERIMETER DRAIN ASSEMBLY  
 SCALE: 1/2" = 1'-0"



**1  
 R203** AREA F PERIMETER DRAIN ASSEMBLY  
 SCALE: 3" = 1'-0"

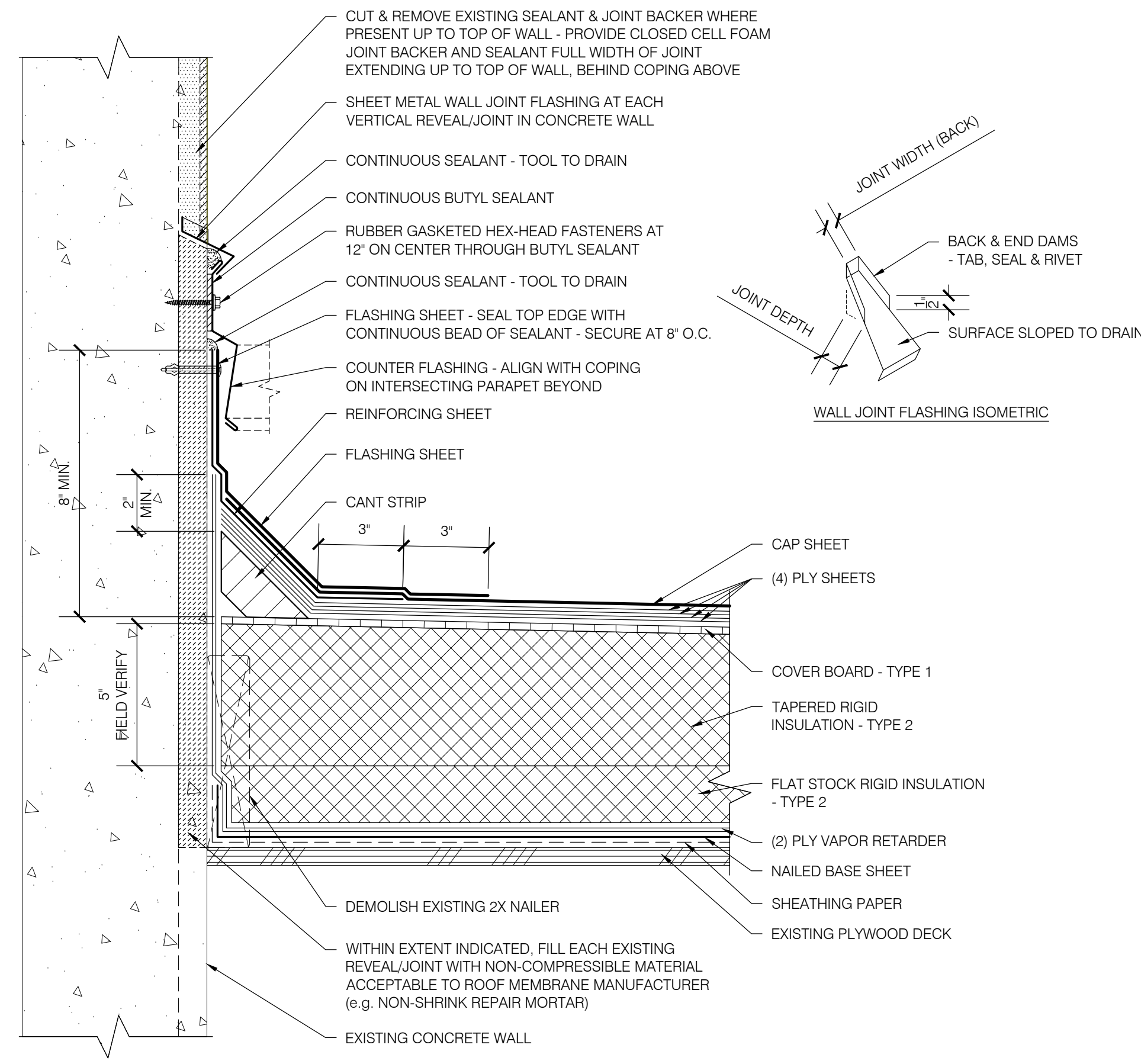


**2  
 R203** AREA F GUTTER EDGE  
 SCALE: 3" = 1'-0"

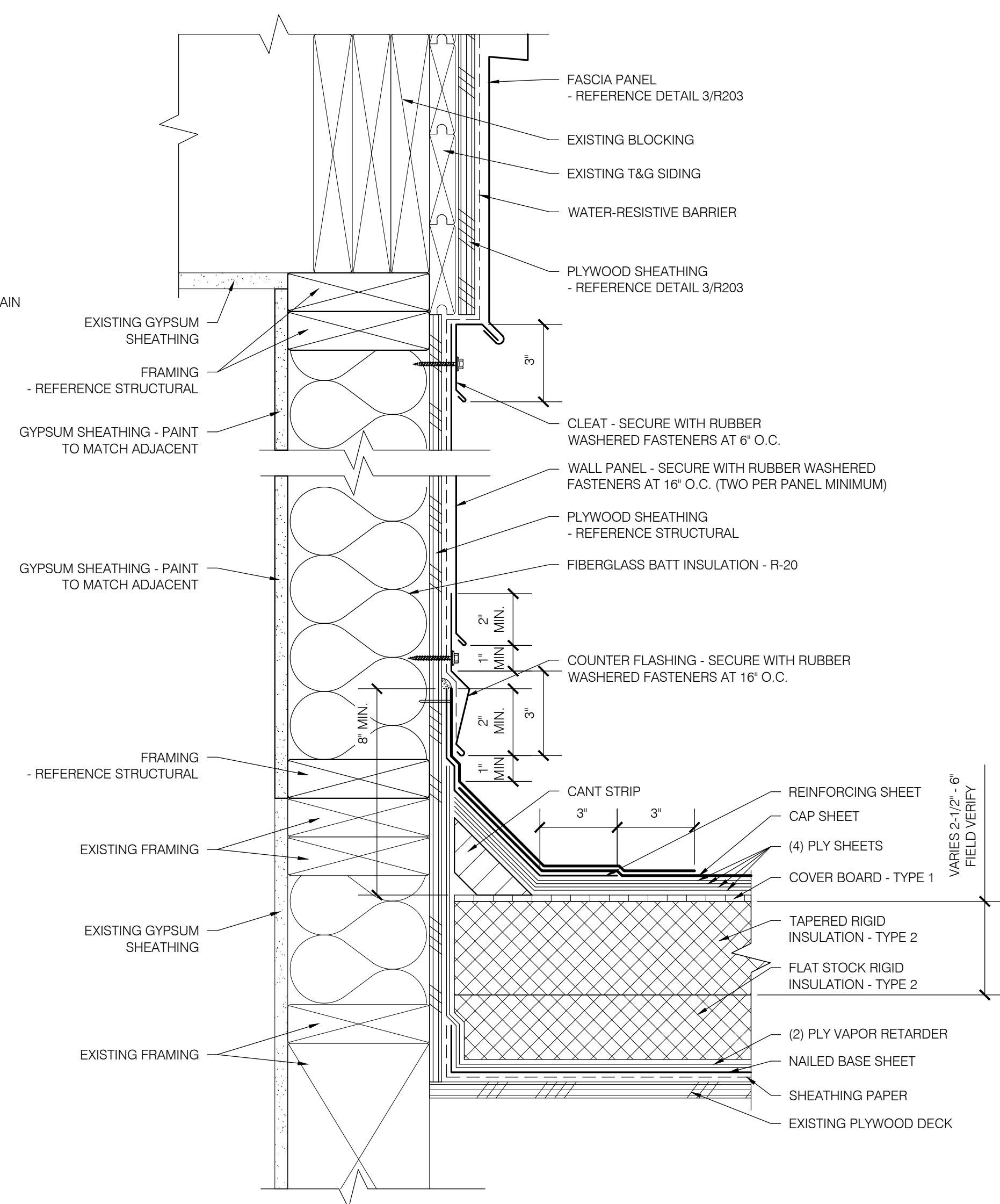


**3  
 R203** AREA F PARAPET  
 SCALE: 3" = 1'-0"

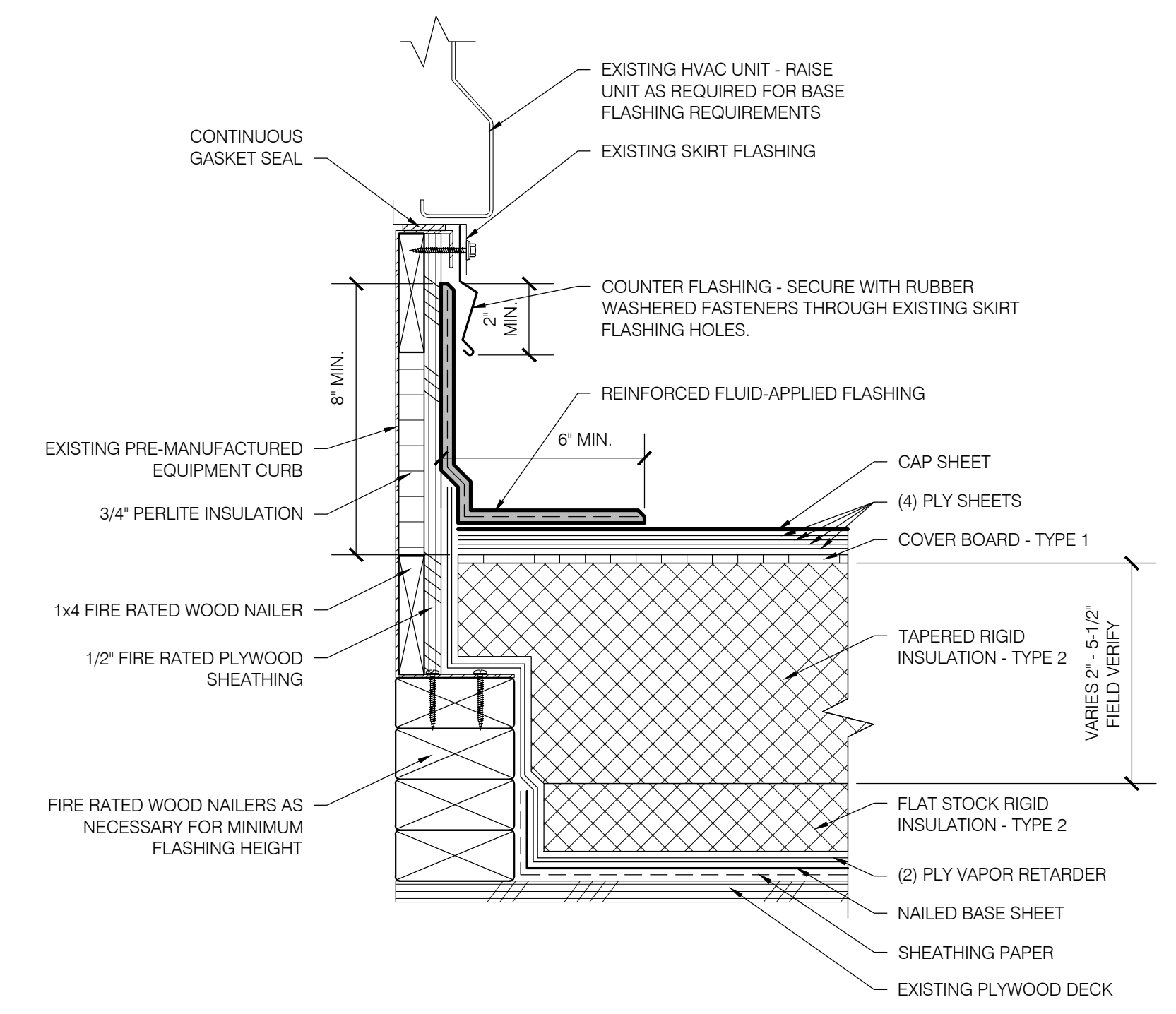
**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**



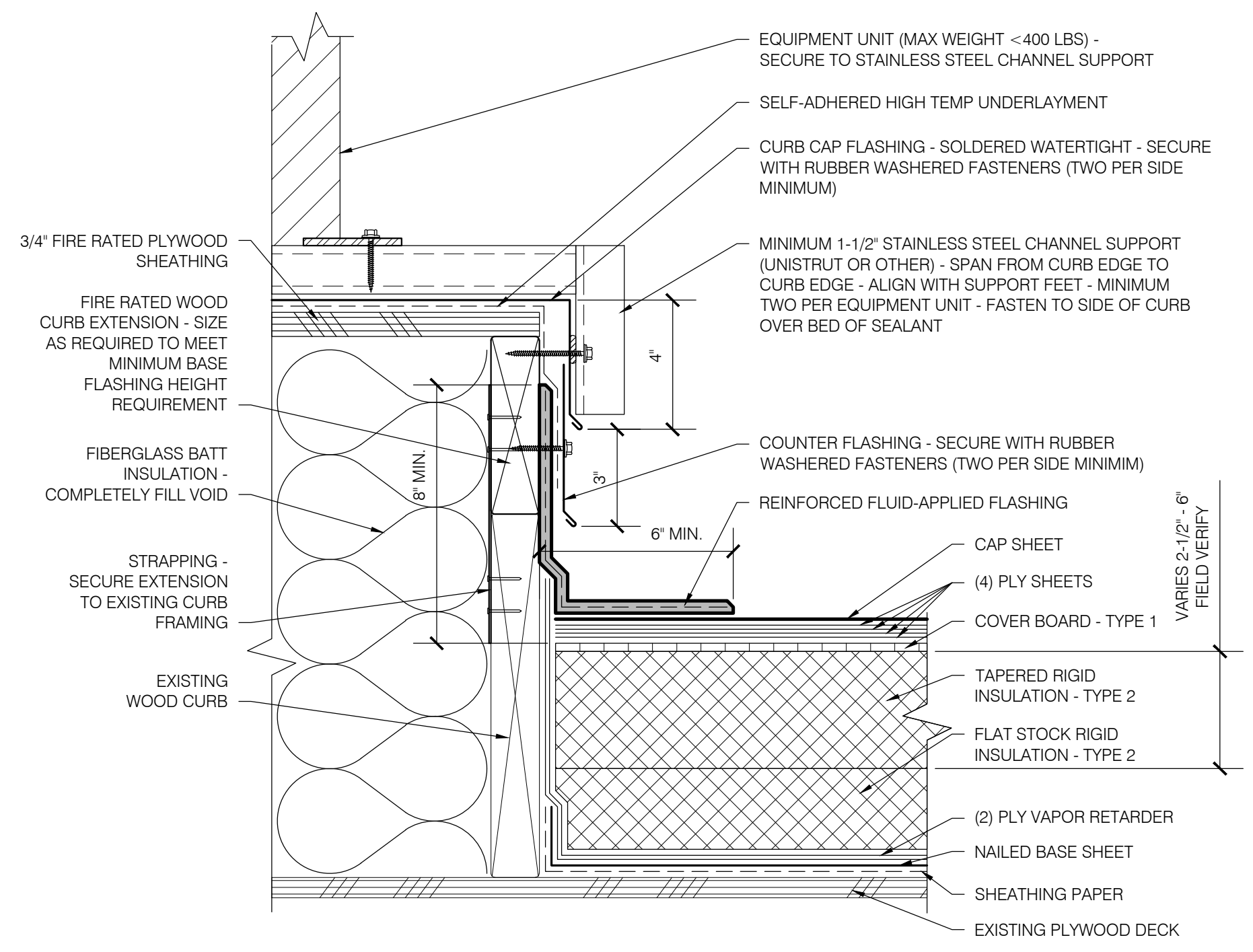
**AREA F**  
**1 BASE OF CONCRETE WALL**  
 R204 SCALE: 3" = 1'-0"



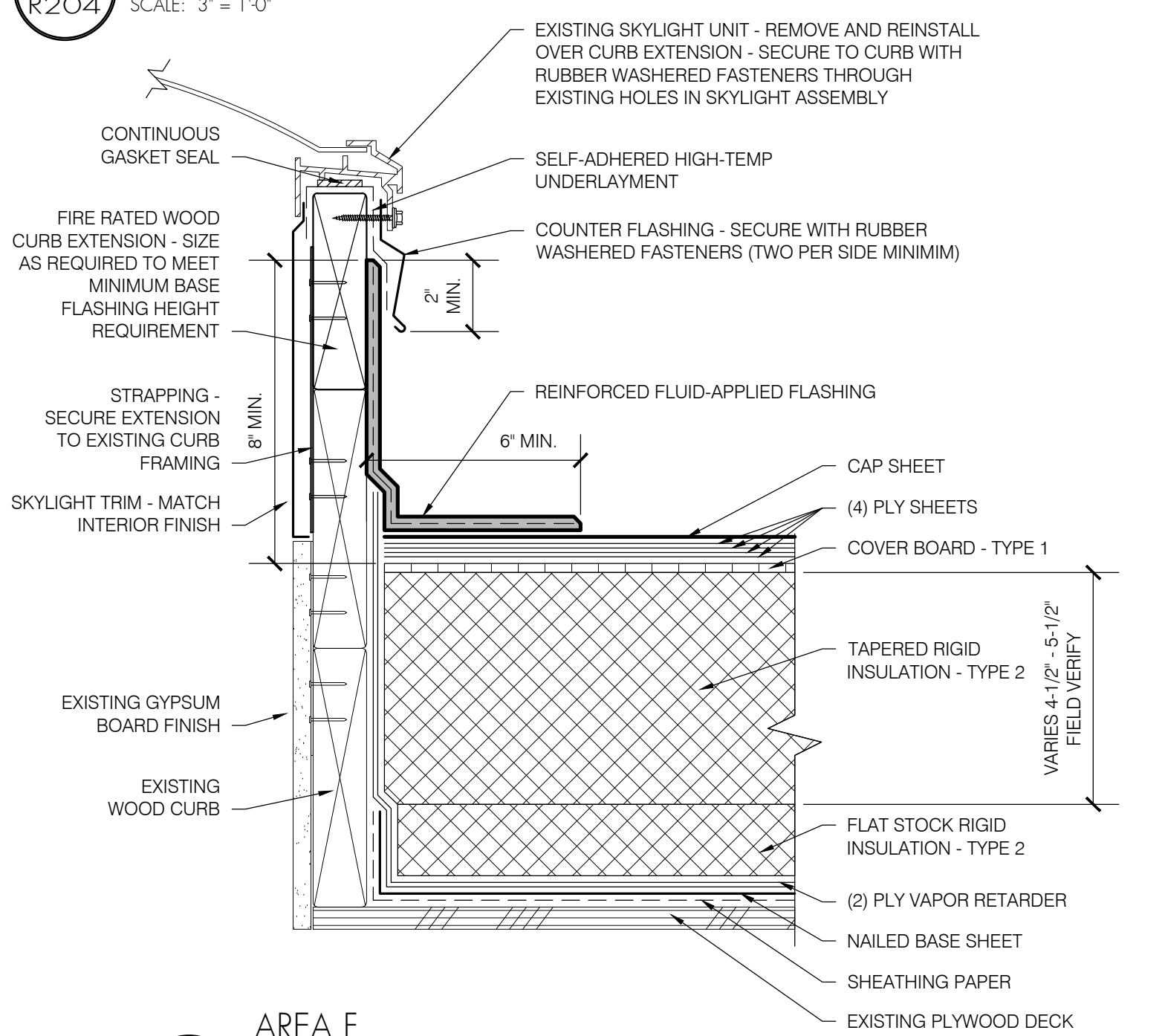
**AREA F**  
**2 WALL INFILL**  
 R204 SCALE: 3" = 1'-0"



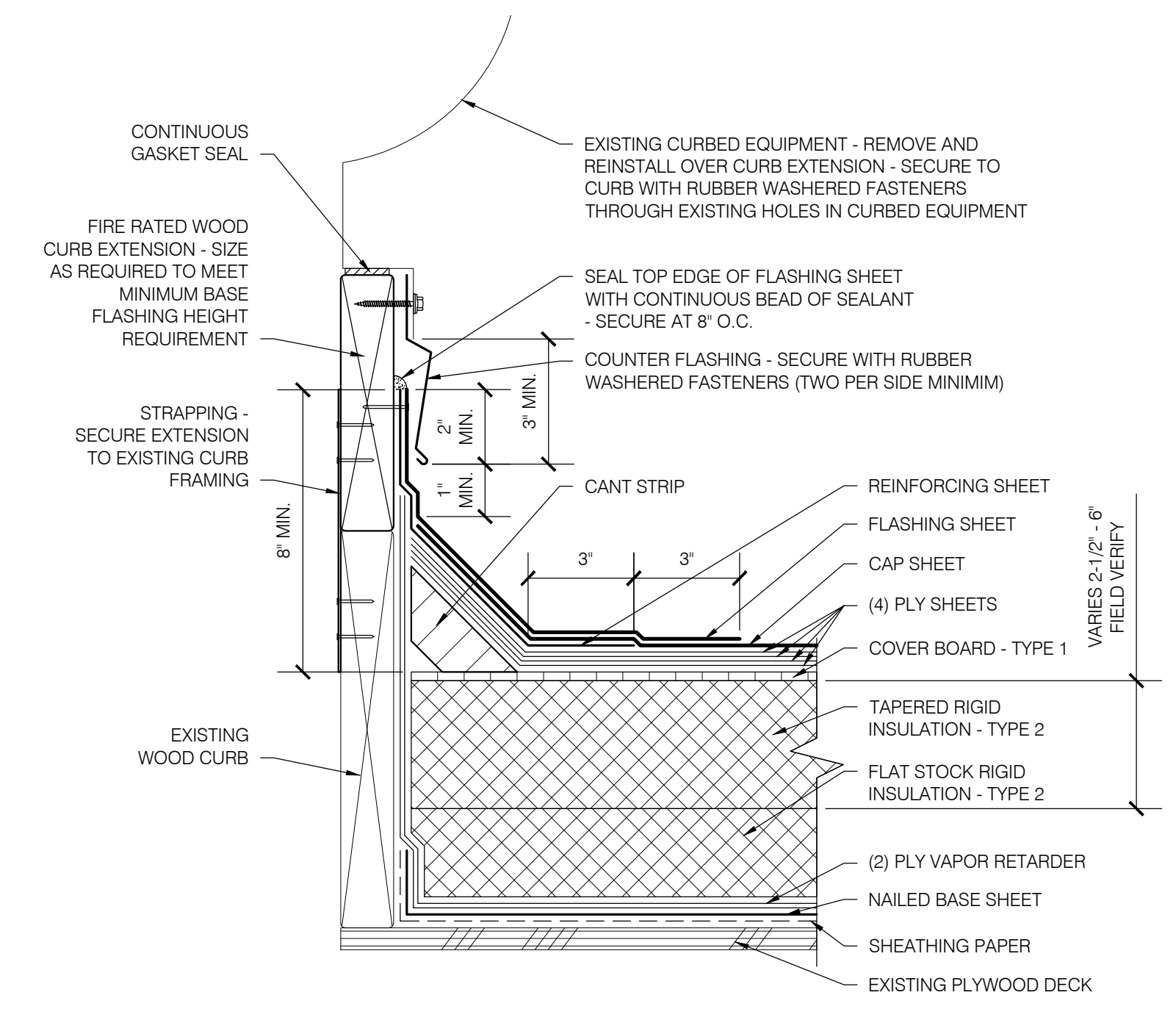
**AREA F**  
**3 MECHANICAL CURB**  
 R204 SCALE: 3" = 1'-0"



**AREA F**  
**4 EQUIPMENT CURB**  
 R204 SCALE: 3" = 1'-0"



**AREA F**  
**5 CURBED SKYLIGHT**  
 R204 SCALE: 3" = 1'-0"



**AREA F**  
**6 CURBED FAN**  
 R204 SCALE: 3" = 1'-0"

SHEET TITLE:  
 DETAILS - AREA F

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.  
 THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

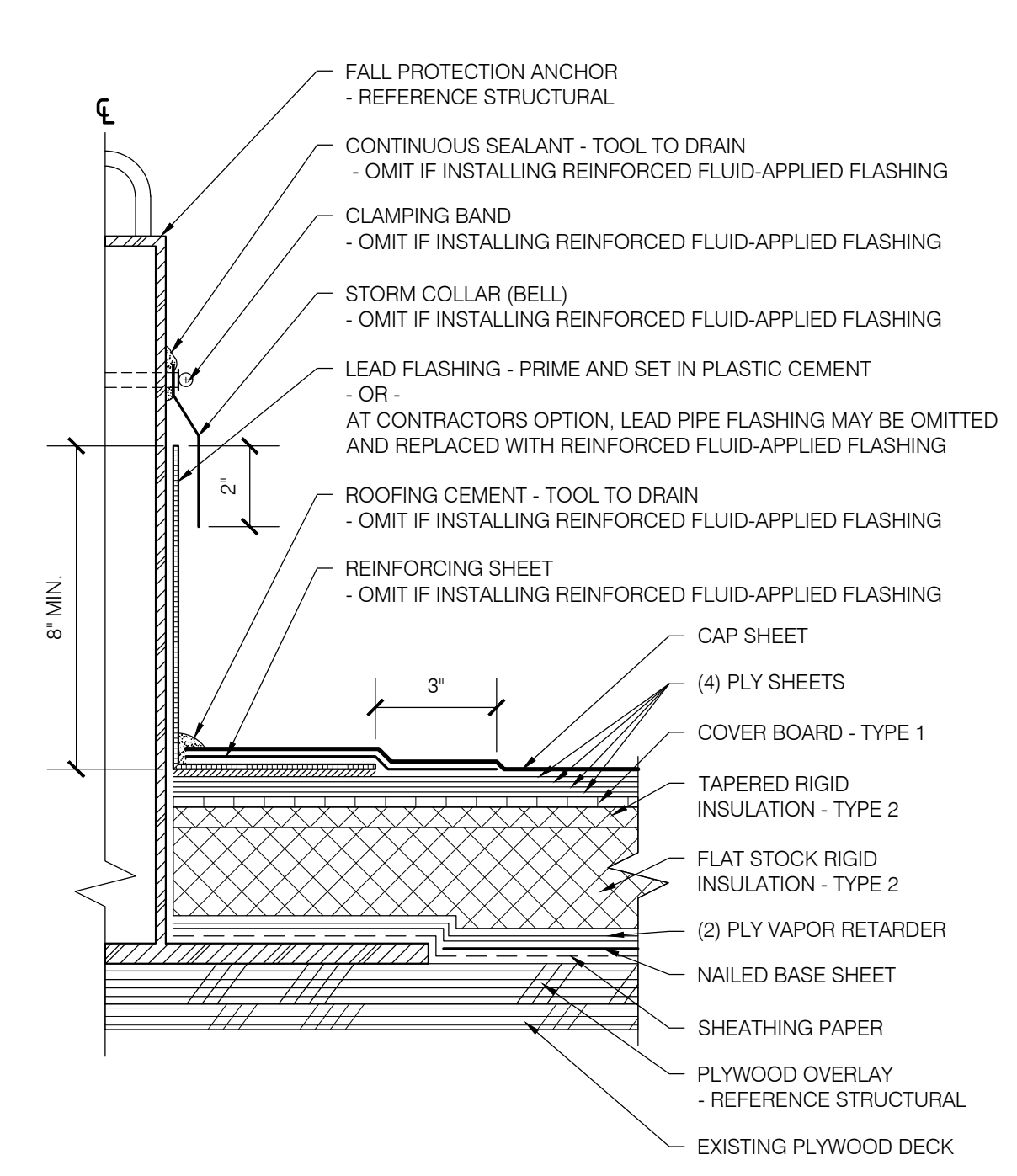
Date: NOVEMBER 10, 2021  
 Revisions:  
 Drawn: TWB  
 Check: BAR  
 File: R200-Details  
 Job: R3282.07

SHEET NUMBER:  
**R204**

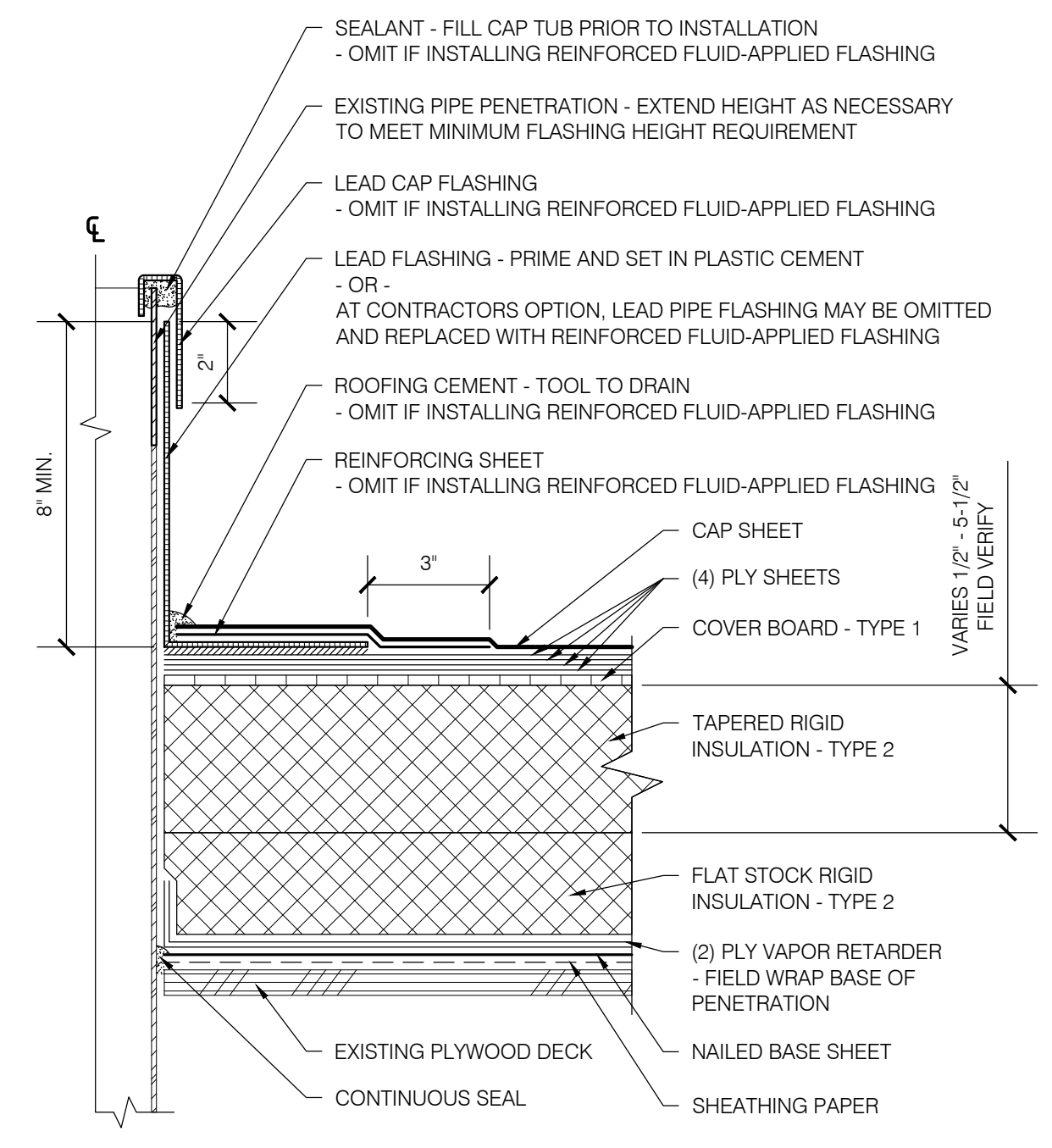
BID SET



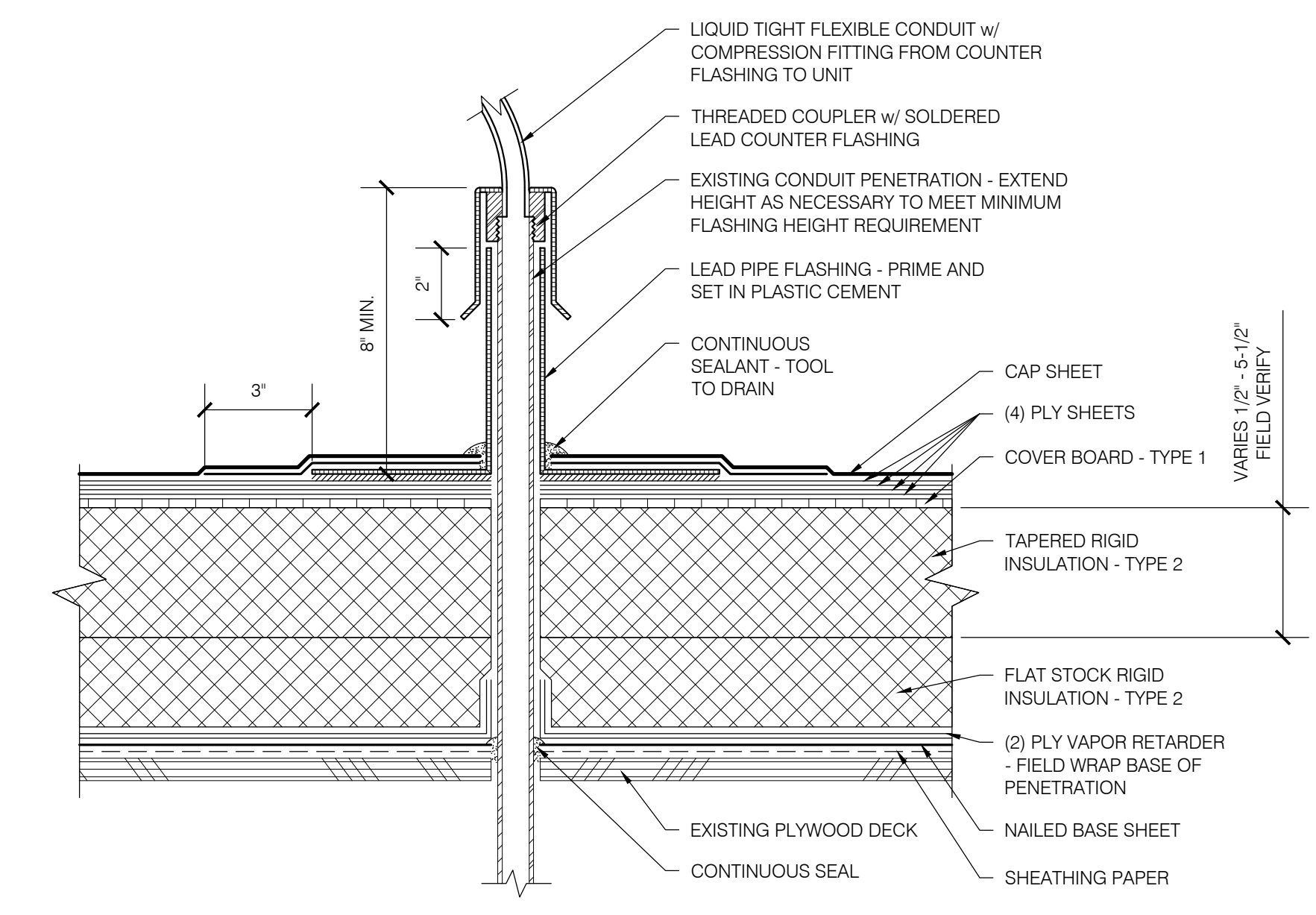
**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**



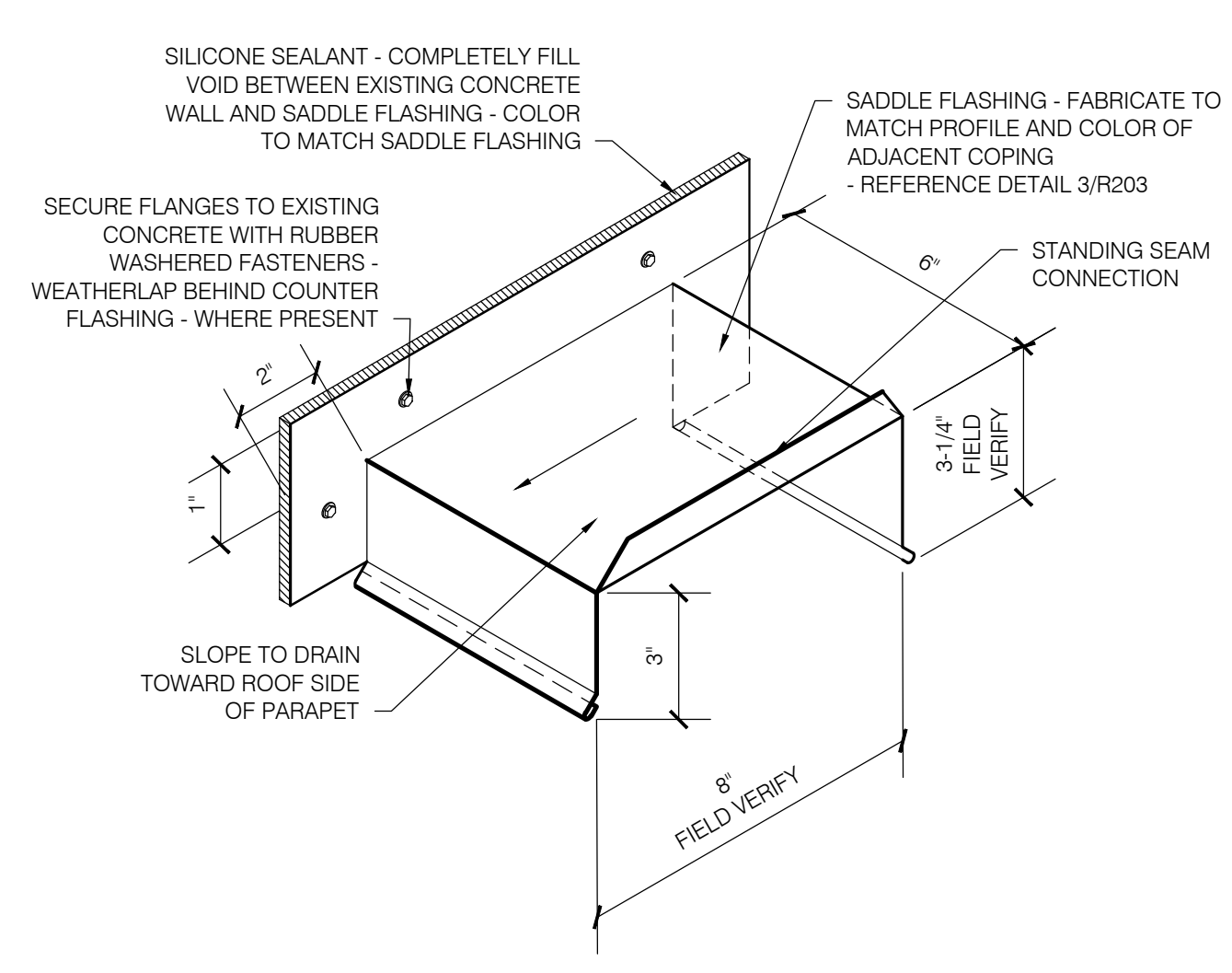
**1**  
**AREA F**  
**FALL PROTECTION ANCHOR**  
 R205 SCALE: 3" = 1'-0"



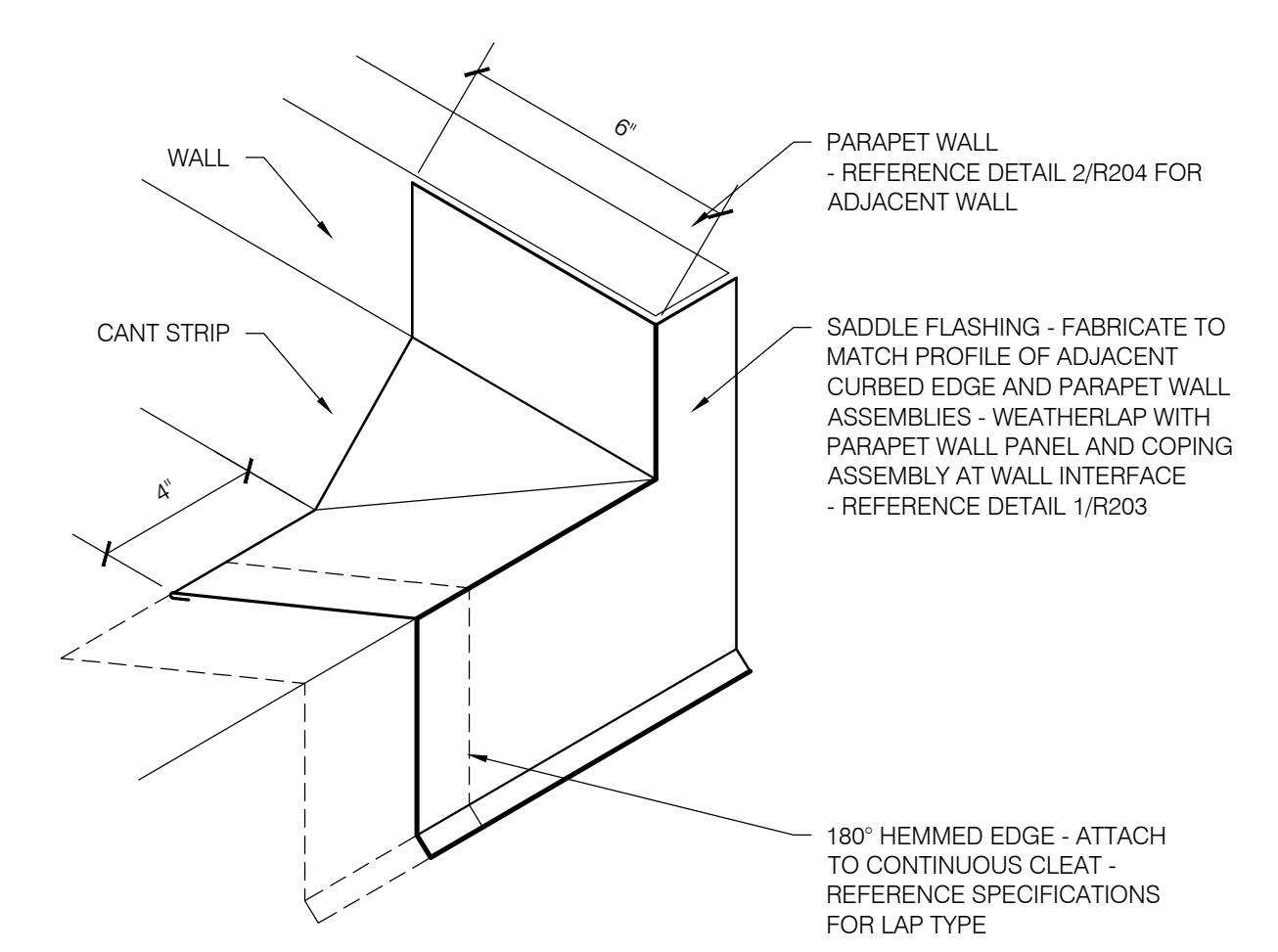
**2**  
**AREA F**  
**PLUMBING VENT PIPE**  
 R205 SCALE: 3" = 1'-0"



**3**  
**AREA F**  
**ELECTRICAL CONDUIT**  
 R205 SCALE: 3" = 1'-0"



**4**  
**AREA F**  
**SADDLE FLASHING**  
 R205 SCALE: 3" = 1'-0"



**5**  
**AREA F**  
**SADDLE FLASHING**  
 R205 SCALE: 3" = 1'-0"

SHEET TITLE:  
 DETAILS - AREA F

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

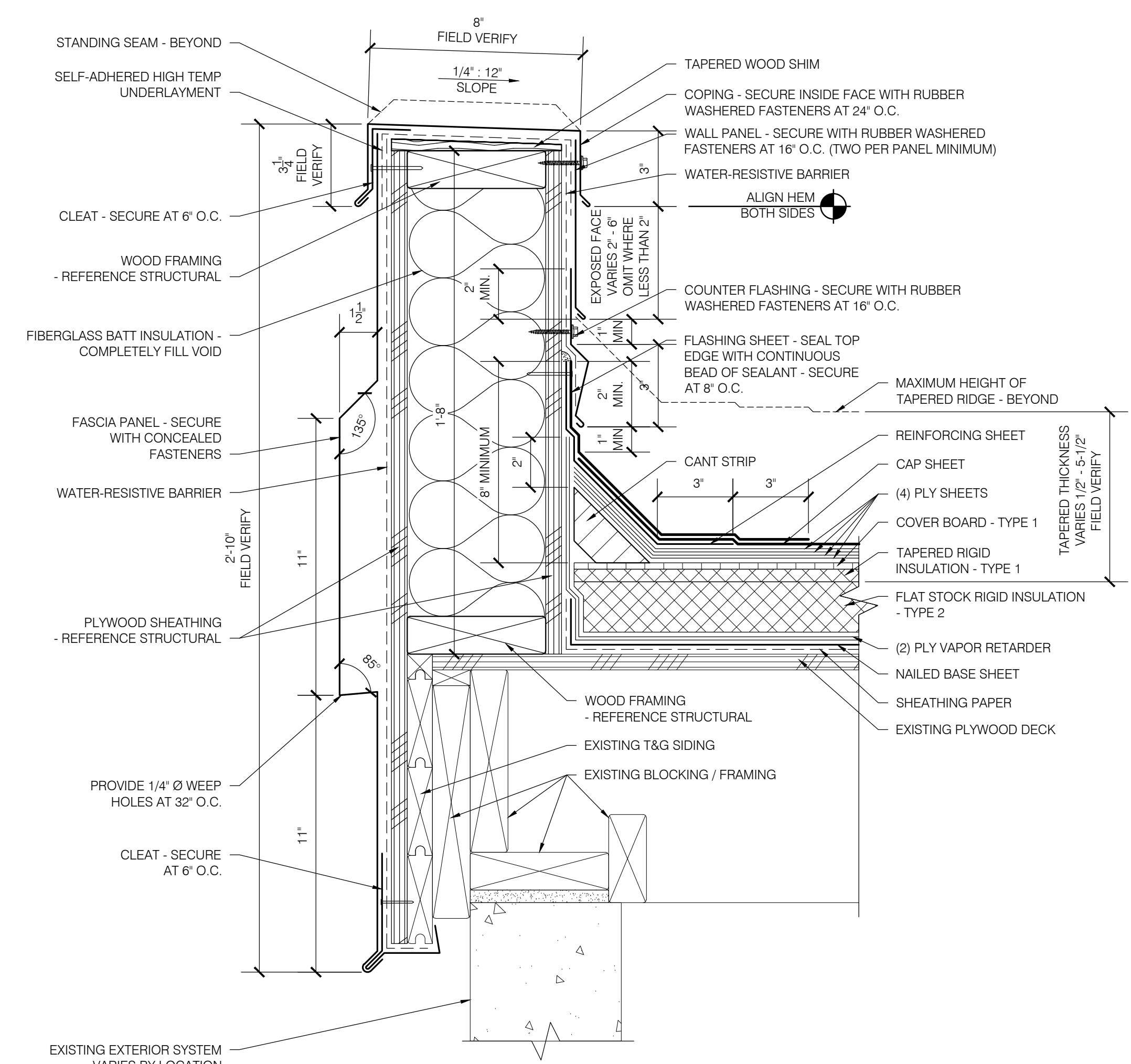
THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
 Revisions:  
 Drawn: TWB  
 Check: BAR  
 File: R200-Details  
 Job: R3282.07

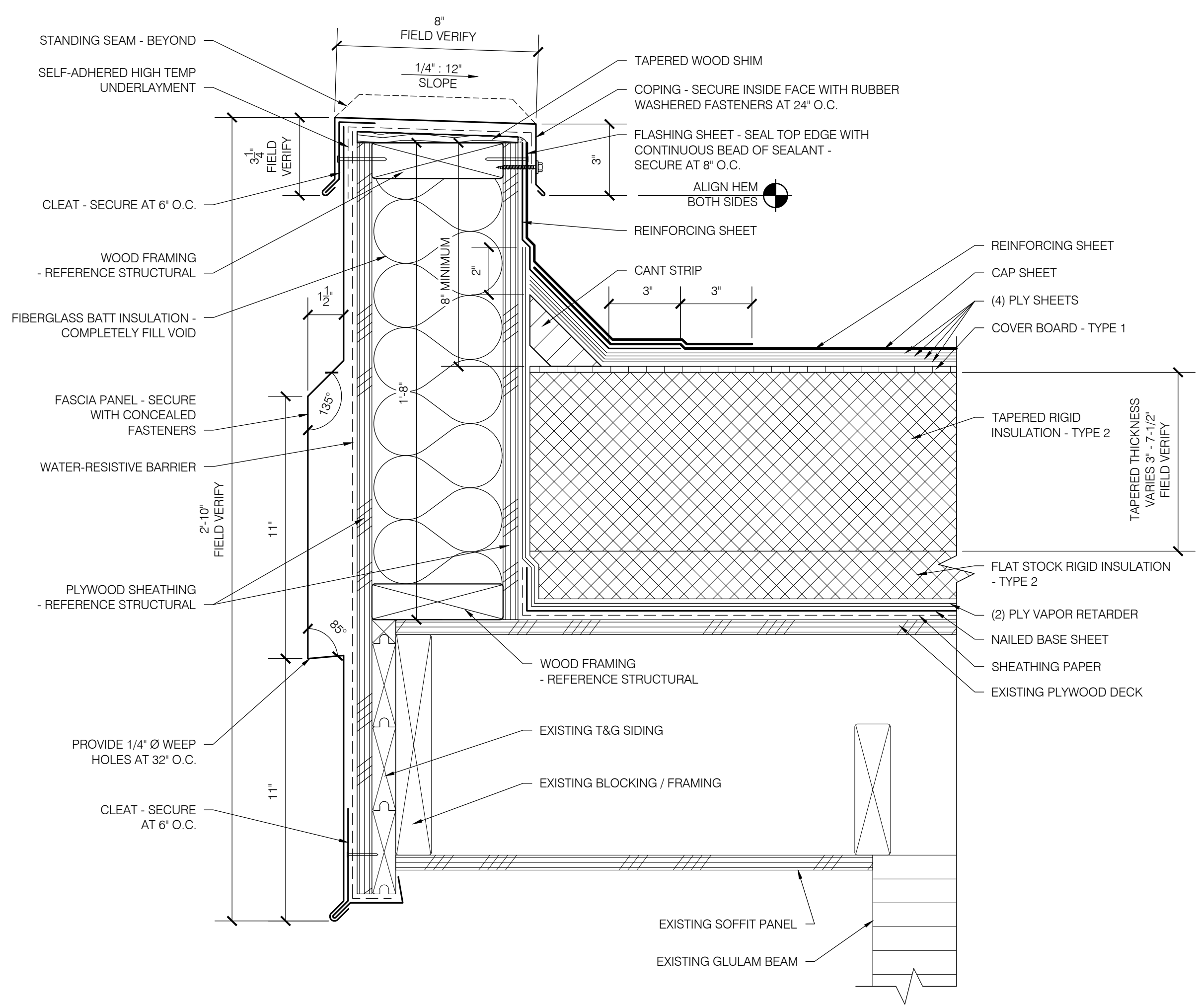
SHEET NUMBER:  
**R205**

BID SET

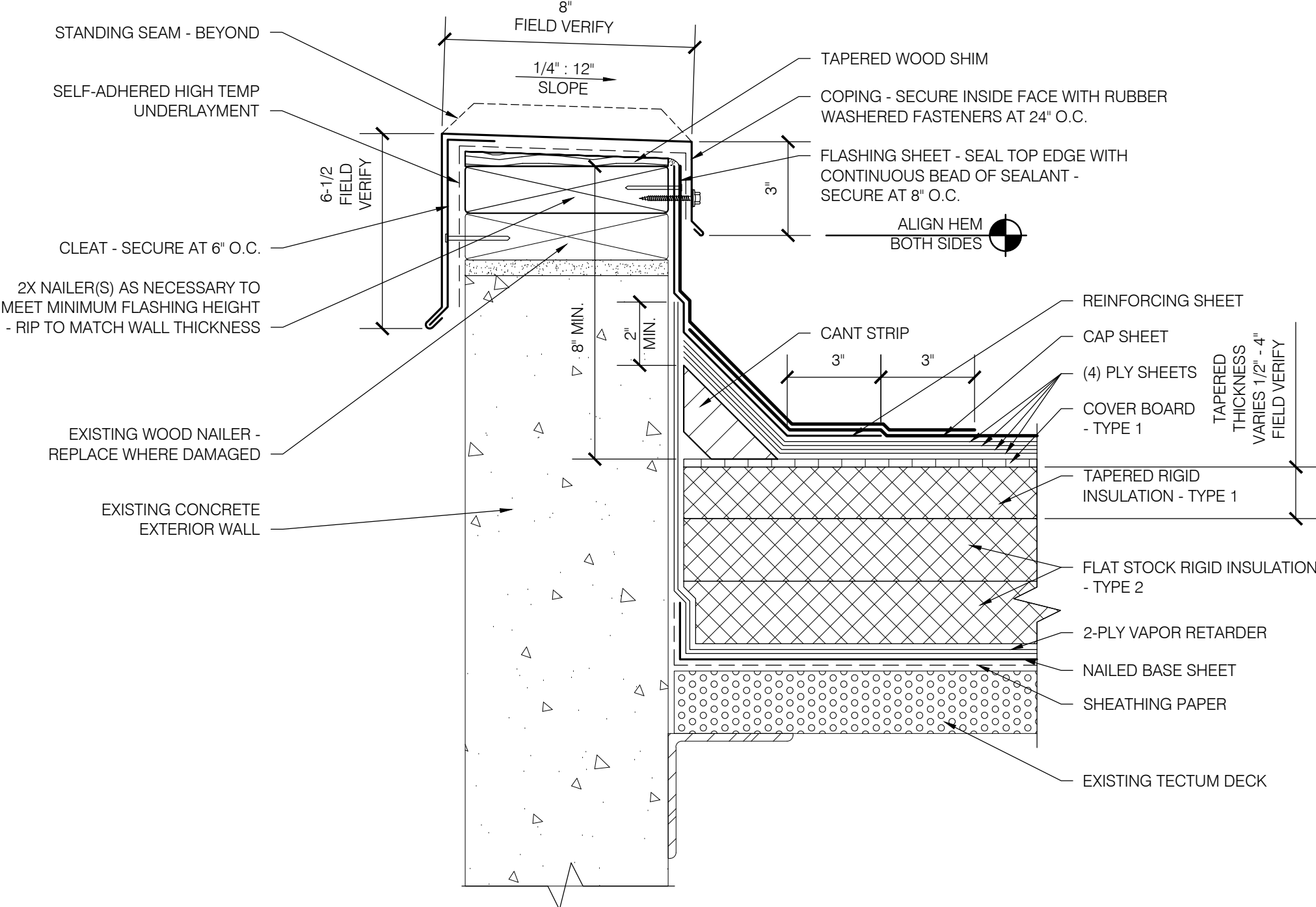
**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**



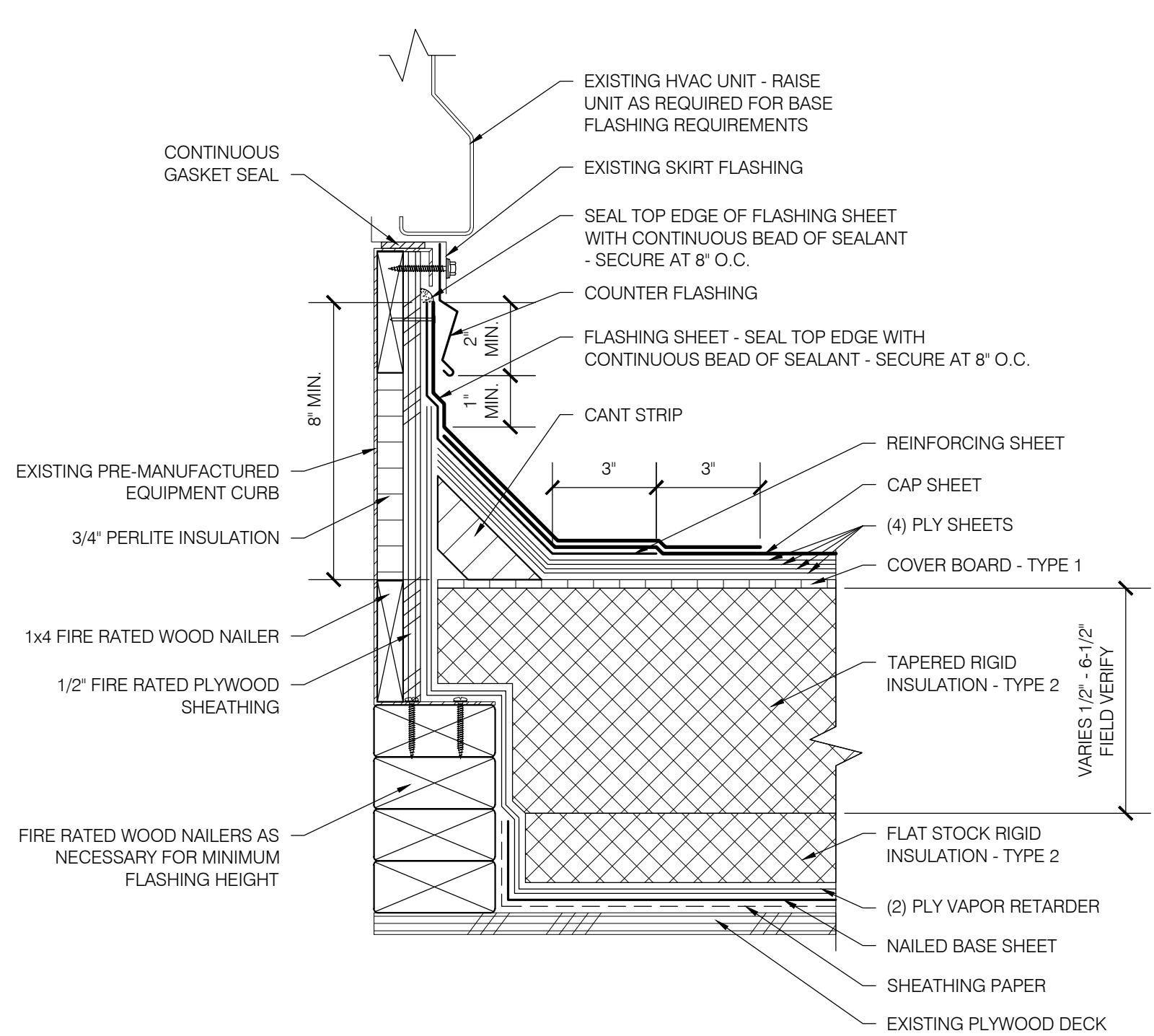
**1**  
 AREA H  
 PARAPET  
 R206 SCALE: 3" = 1'-0"



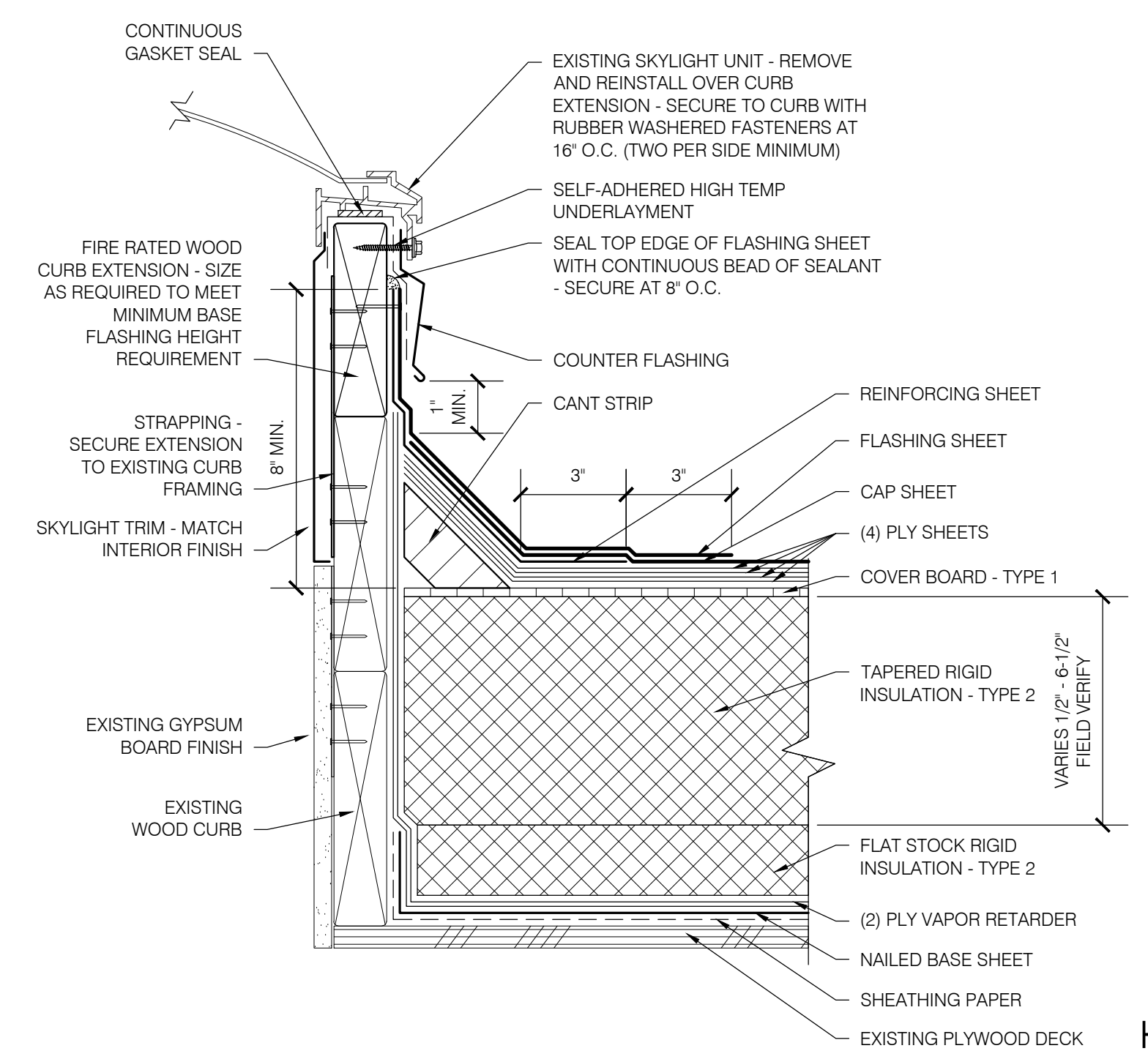
**2**  
 AREA H  
 PARAPET  
 R206 SCALE: 3" = 1'-0"



**3**  
 AREA H  
 PARAPET  
 R206 SCALE: 3" = 1'-0"



**4**  
 AREA H  
 MECHANICAL CURB  
 R206 SCALE: 3" = 1'-0"



**5**  
 AREA H  
 CURBED SKYLIGHT  
 R206 SCALE: 3" = 1'-0"

SHEET TITLE:  
 DETAILS - AREA H

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

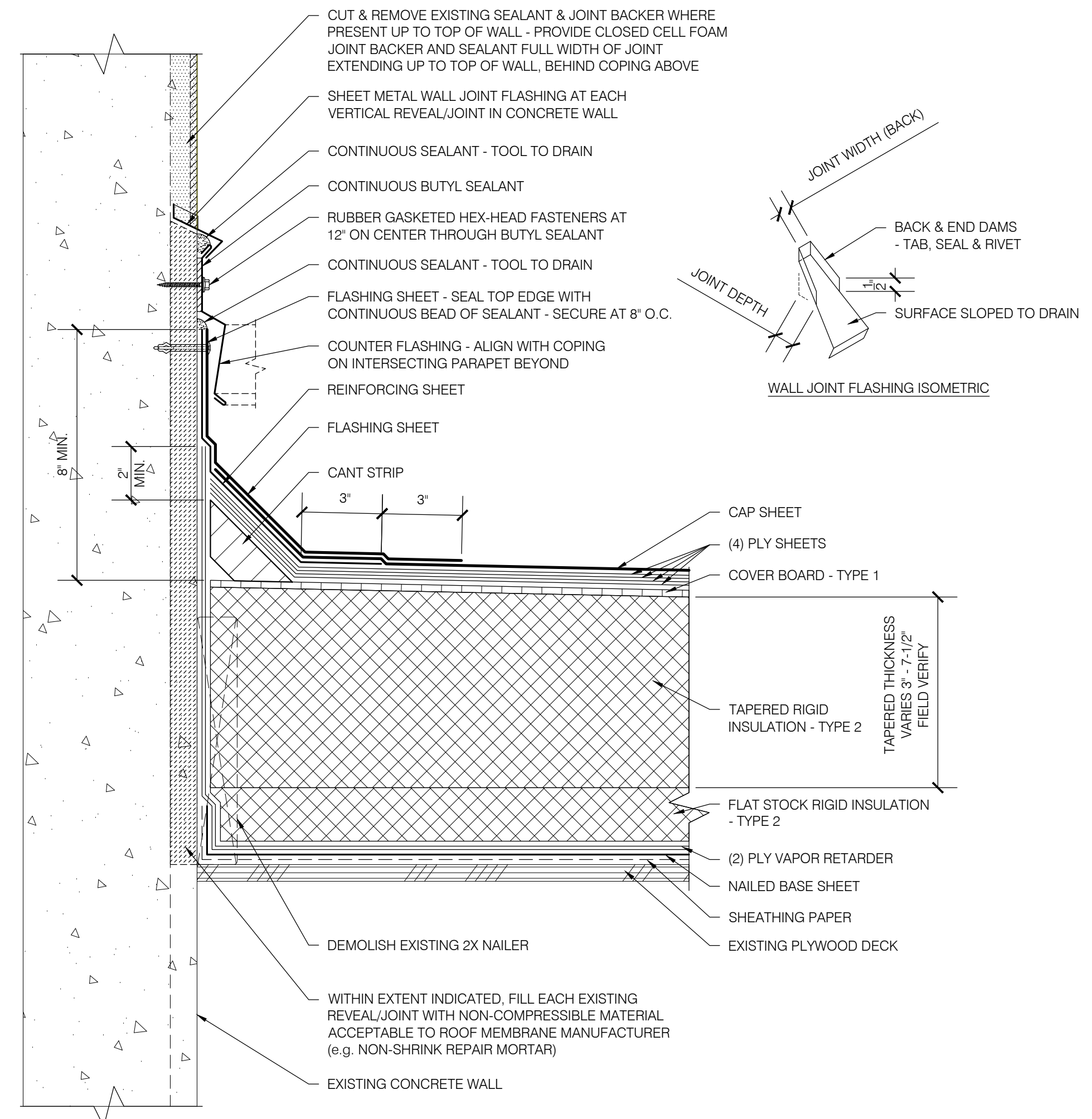
Date: NOVEMBER 10, 2021  
 Revisions:

Drawn: TWB  
 Check: BAR  
 File: R200-Details  
 Job: R3282.07

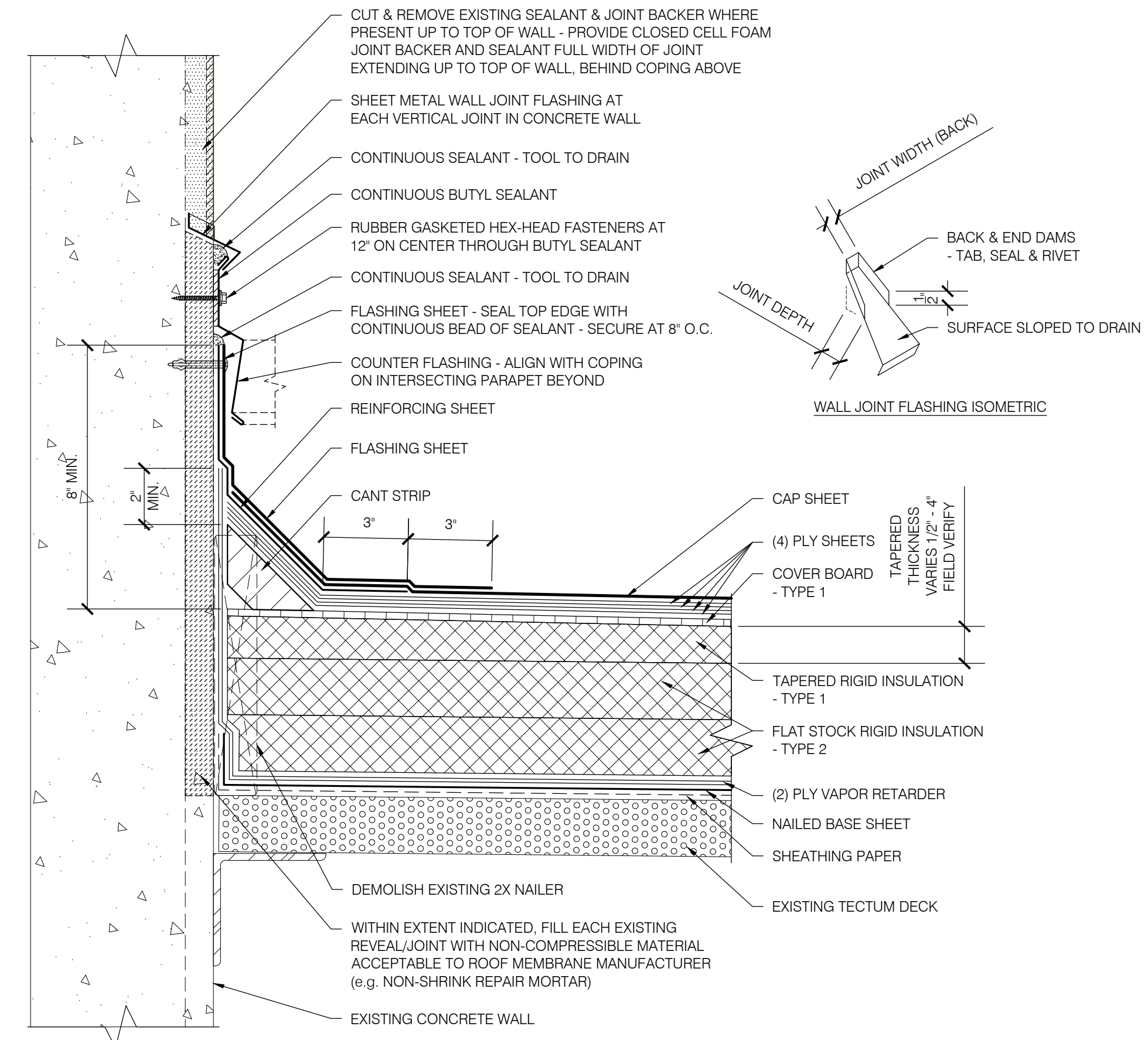
SHEET NUMBER:  
**R206**

BID SET

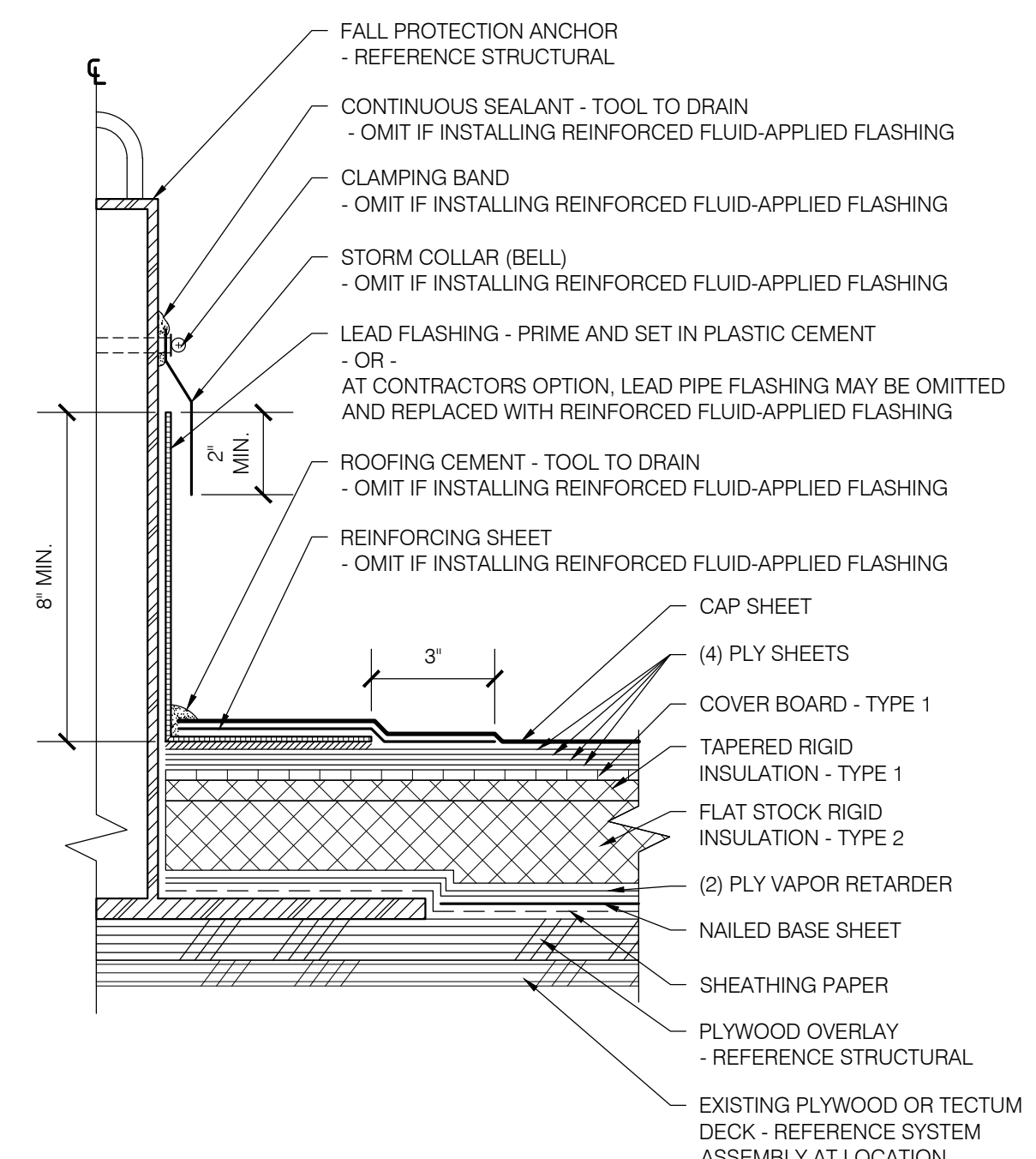
**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**



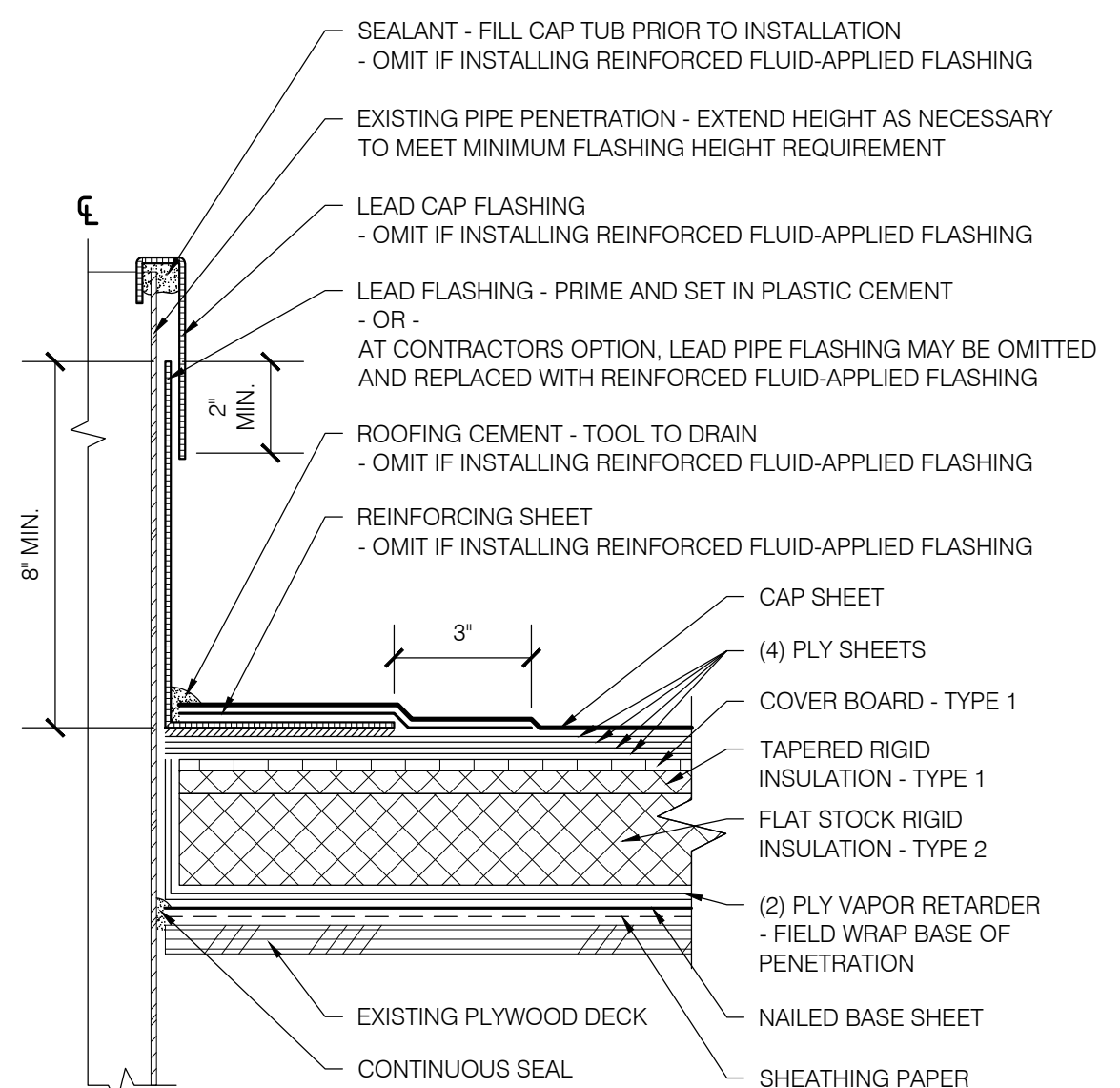
**1** AREA H  
 BASE OF CONCRETE WALL  
 R207 SCALE: 3" = 1'-0"



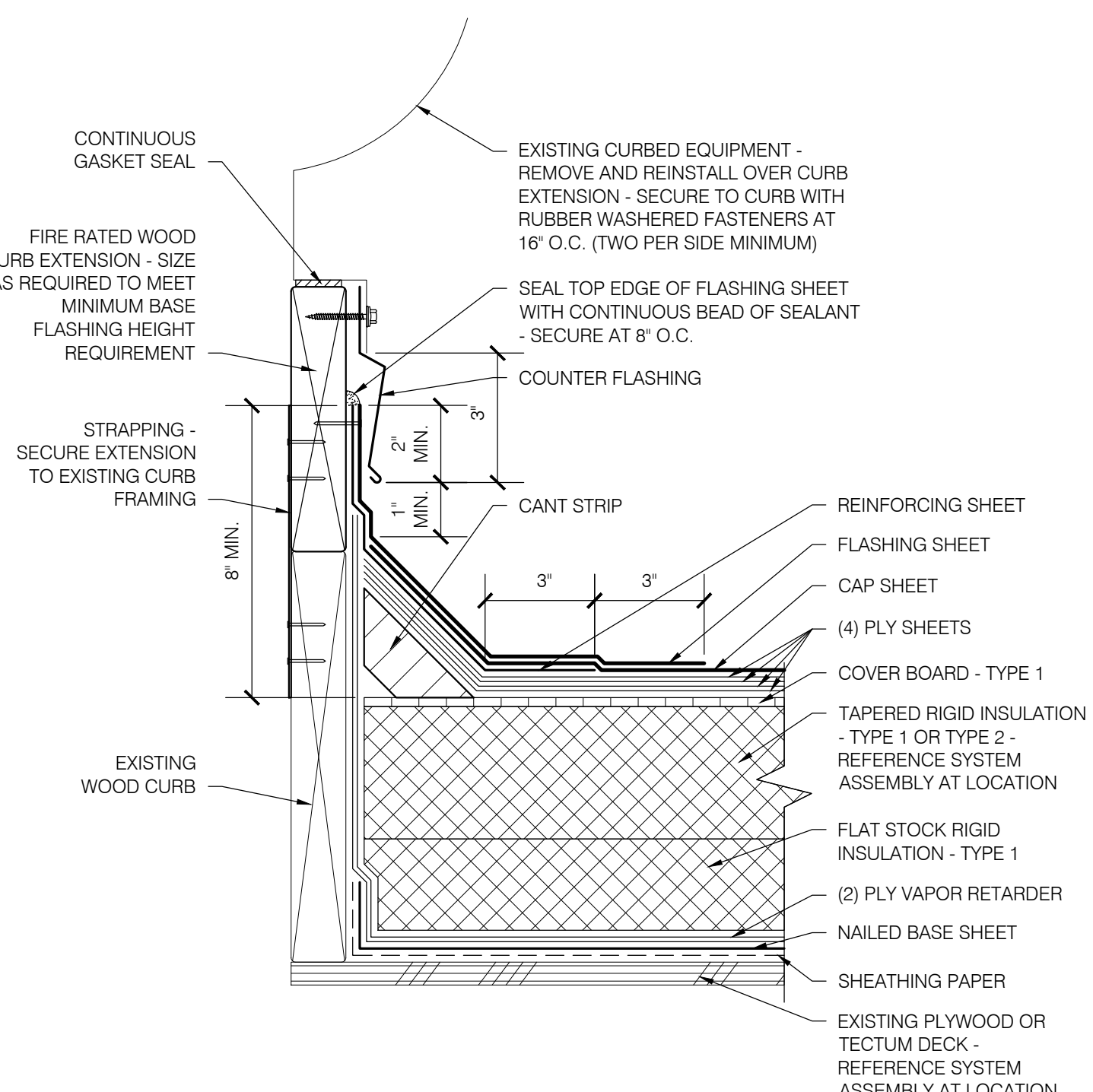
**2** AREA H  
 BASE OF CONCRETE WALL  
 R207 SCALE: 3" = 1'-0"



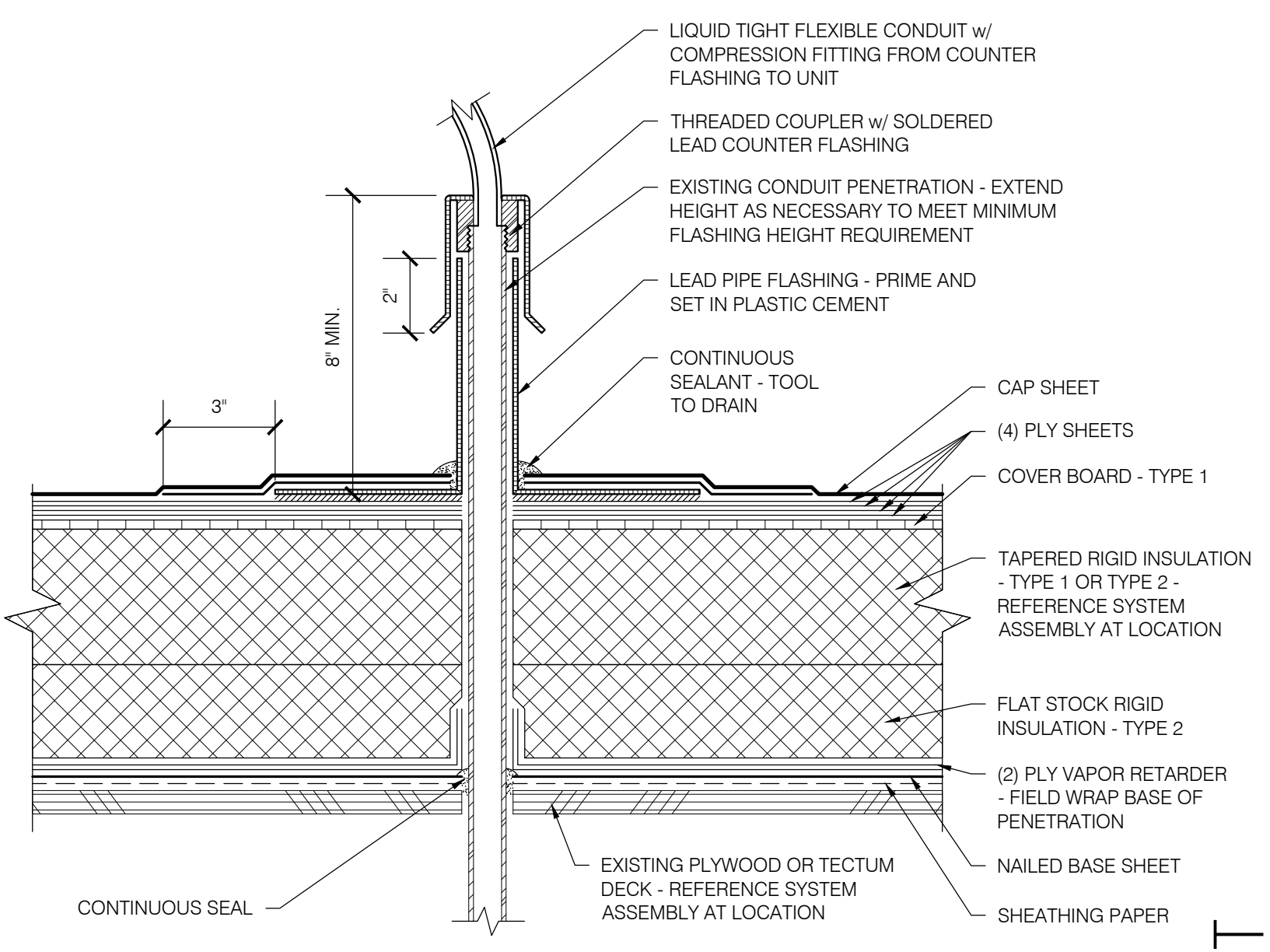
**3** AREA H  
 FALL PROTECTION ANCHOR  
 R207 SCALE: 3" = 1'-0"



**4** AREA H  
 PLUMBING VENT PIPE  
 R207 SCALE: 3" = 1'-0"



**5** AREA H  
 CURBED FAN  
 R207 SCALE: 3" = 1'-0"



**6** AREA H  
 ELECTRICAL PENETRATION  
 R207 SCALE: 3" = 1'-0"

SHEET TITLE:  
 DETAILS - AREA H

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
 Revisions:  
 Drawn: TWB  
 Check: BAR  
 File: R200-Details  
 Job: R3282.07

SHEET NUMBER:  
**R207**

BID SET

**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**

SHEET TITLE:  
 DETAILS - AREA H

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

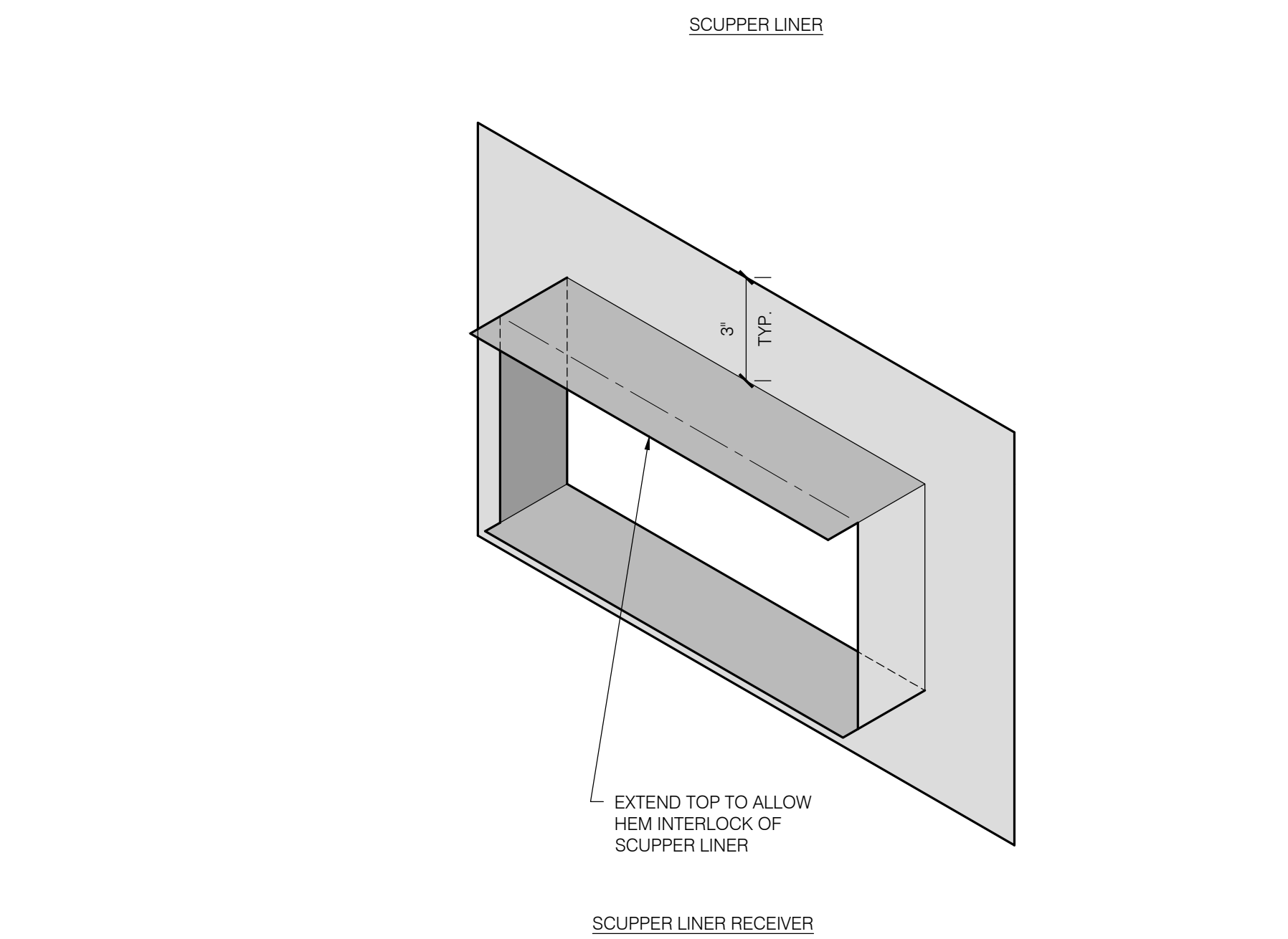
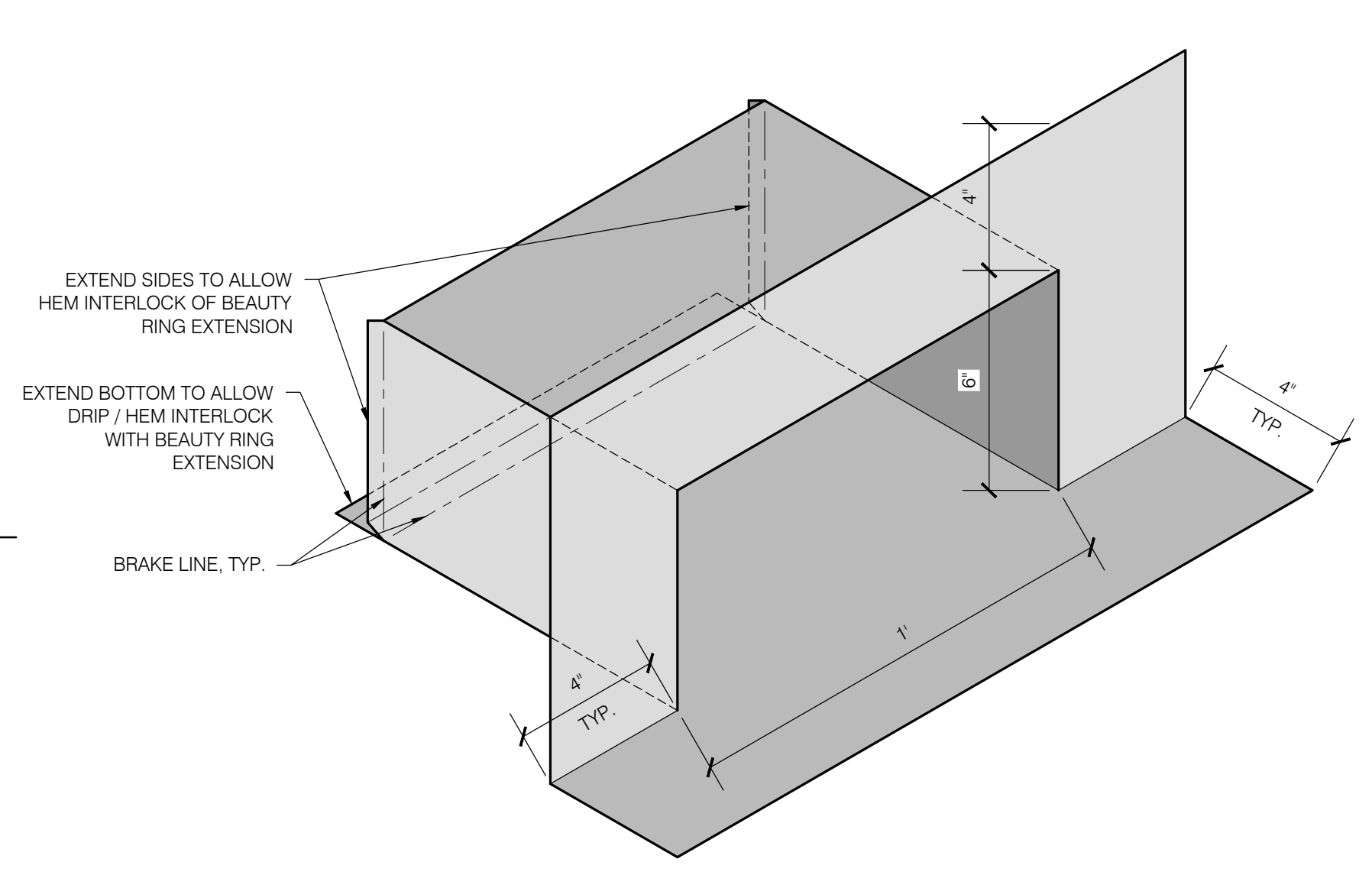
THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
 Revisions:

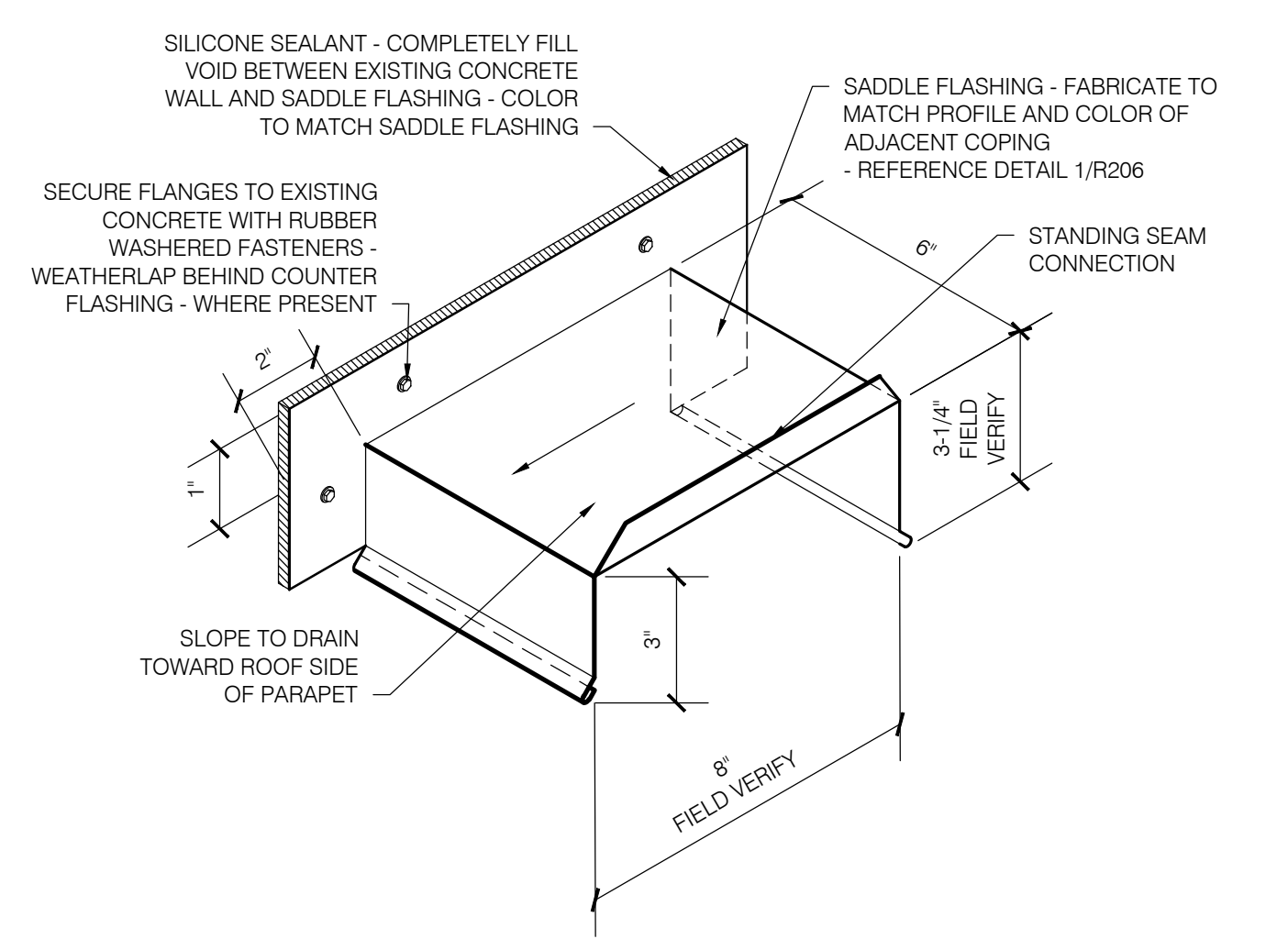
Drawn: TWB  
 Check: BAR  
 File: R200-Details  
 Job: R3282.07

SHEET NUMBER:  
**R208**

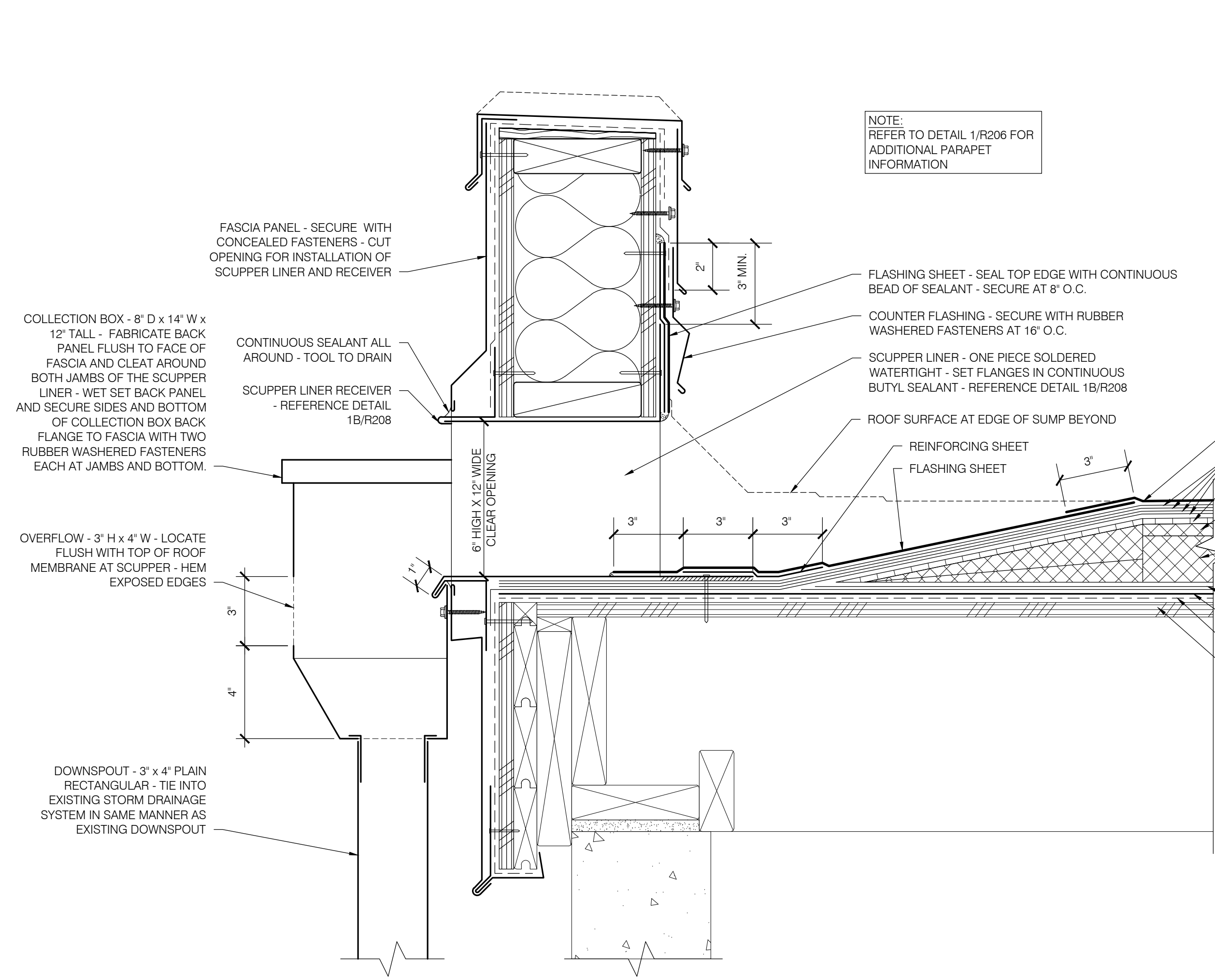
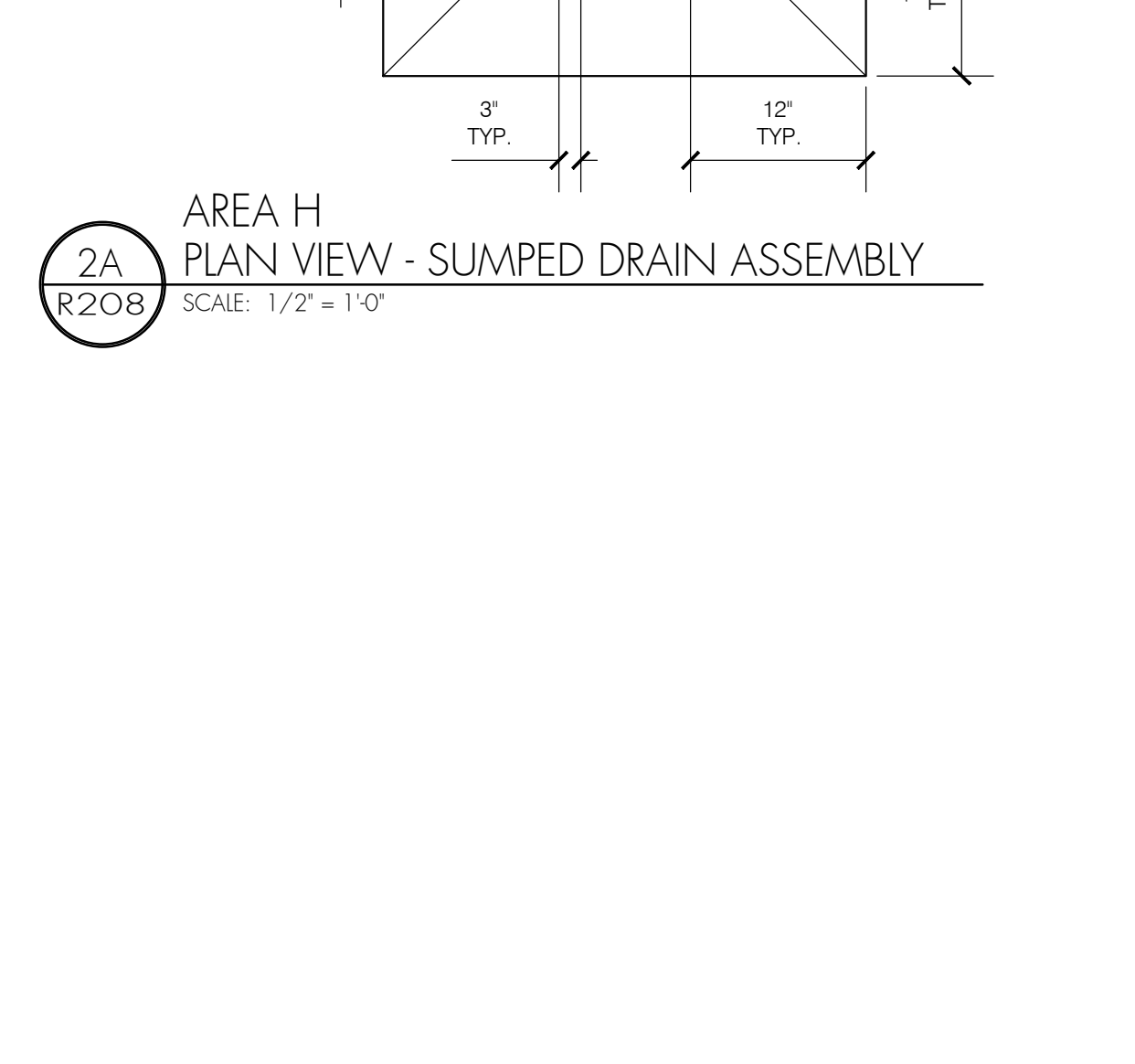
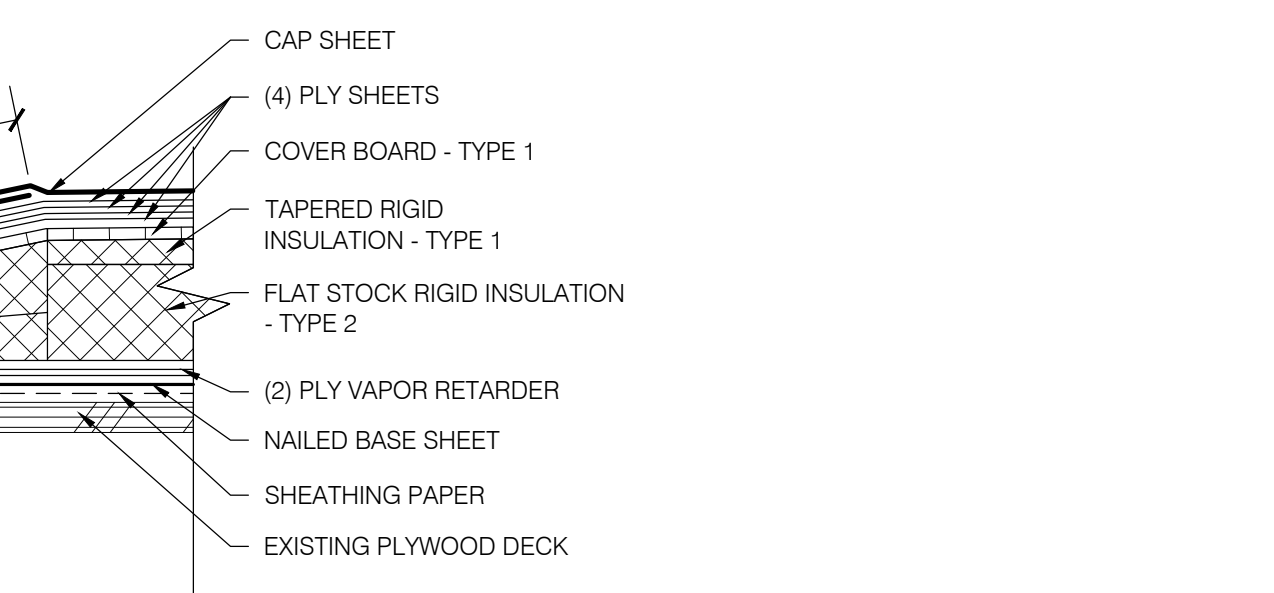
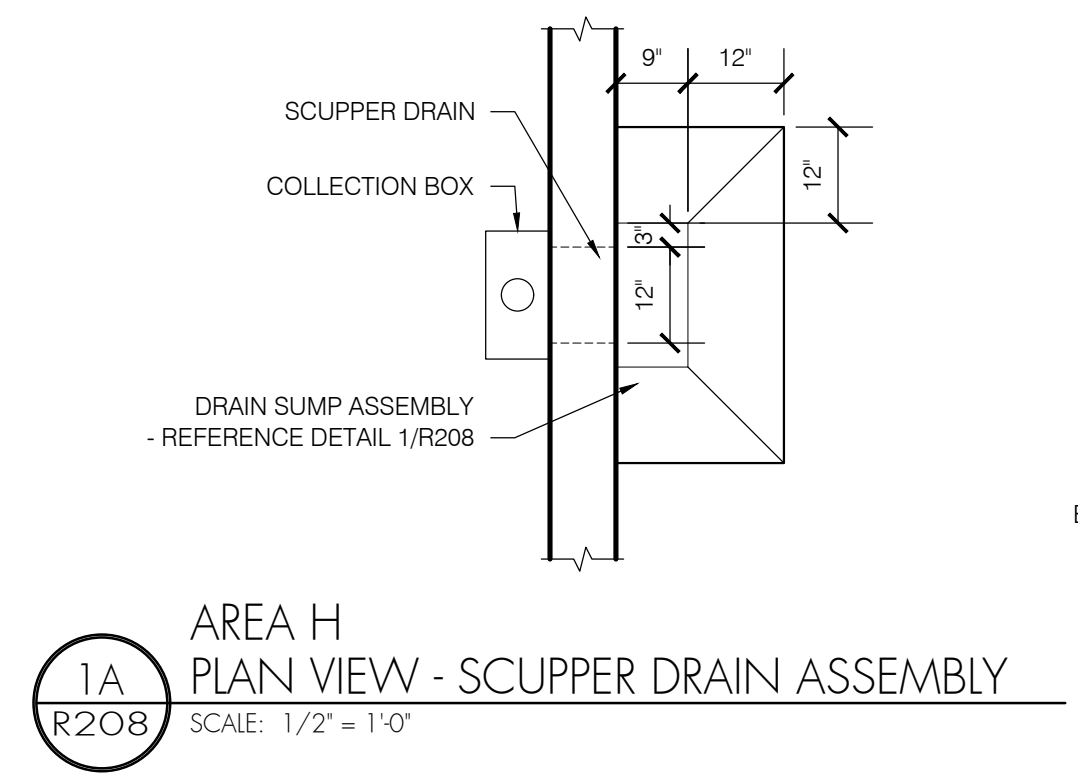
BID SET



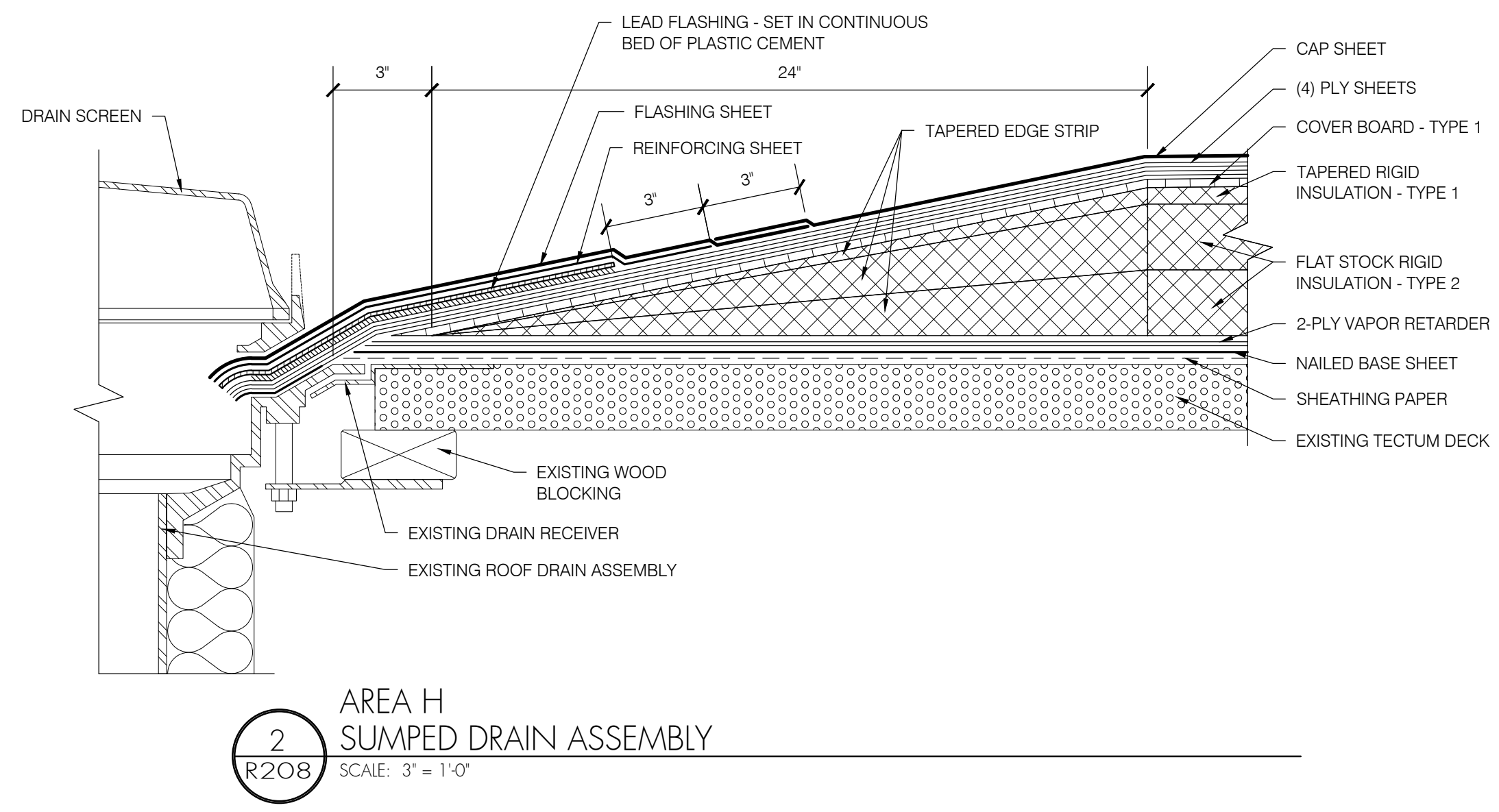
**1B** AREA H SCUPPER LINER COMPONENTS  
 R208 SCALE: 3" = 1'-0"



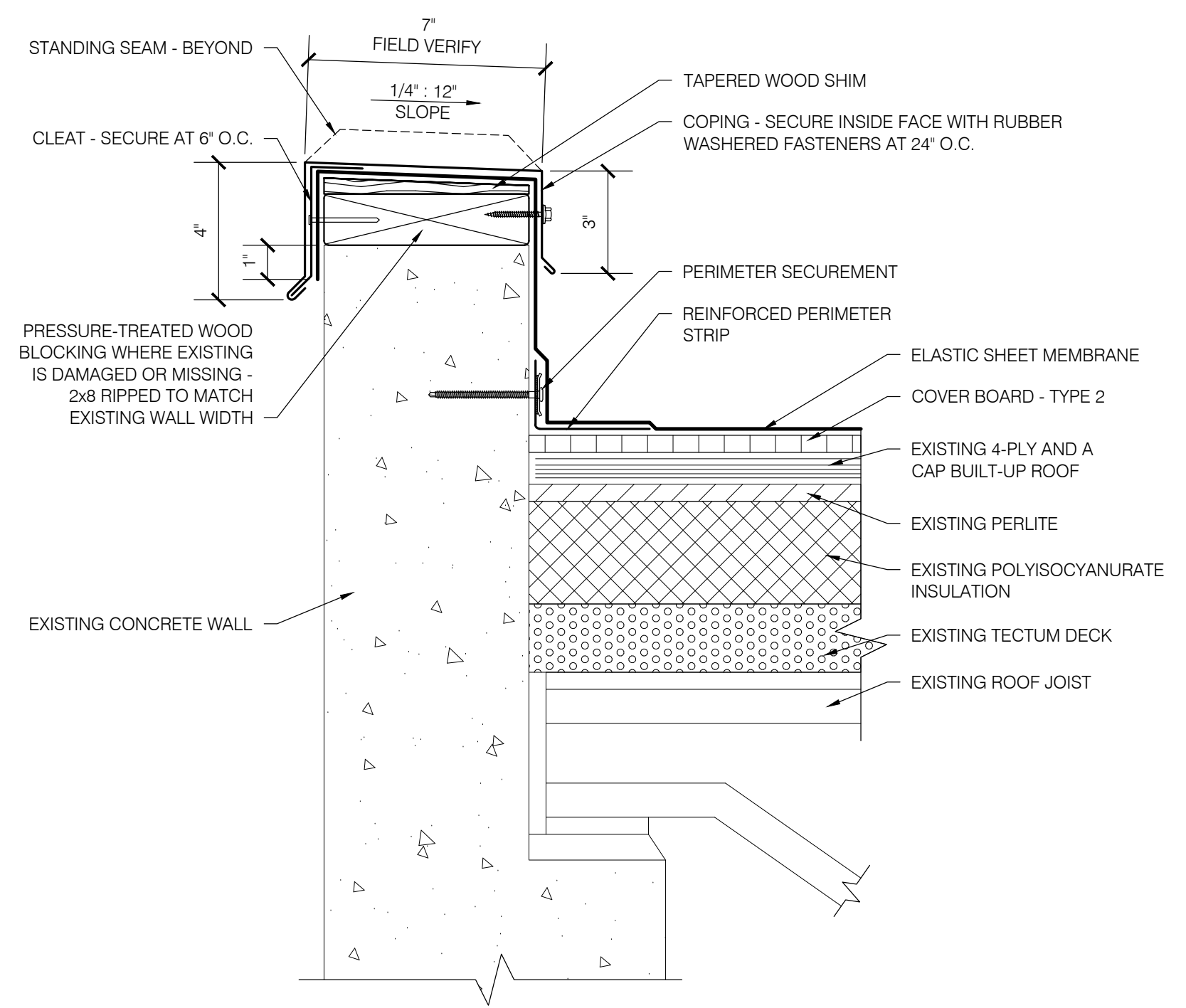
**3** AREA H SADDLE FLASHING  
 R208 SCALE: 3" = 1'-0"



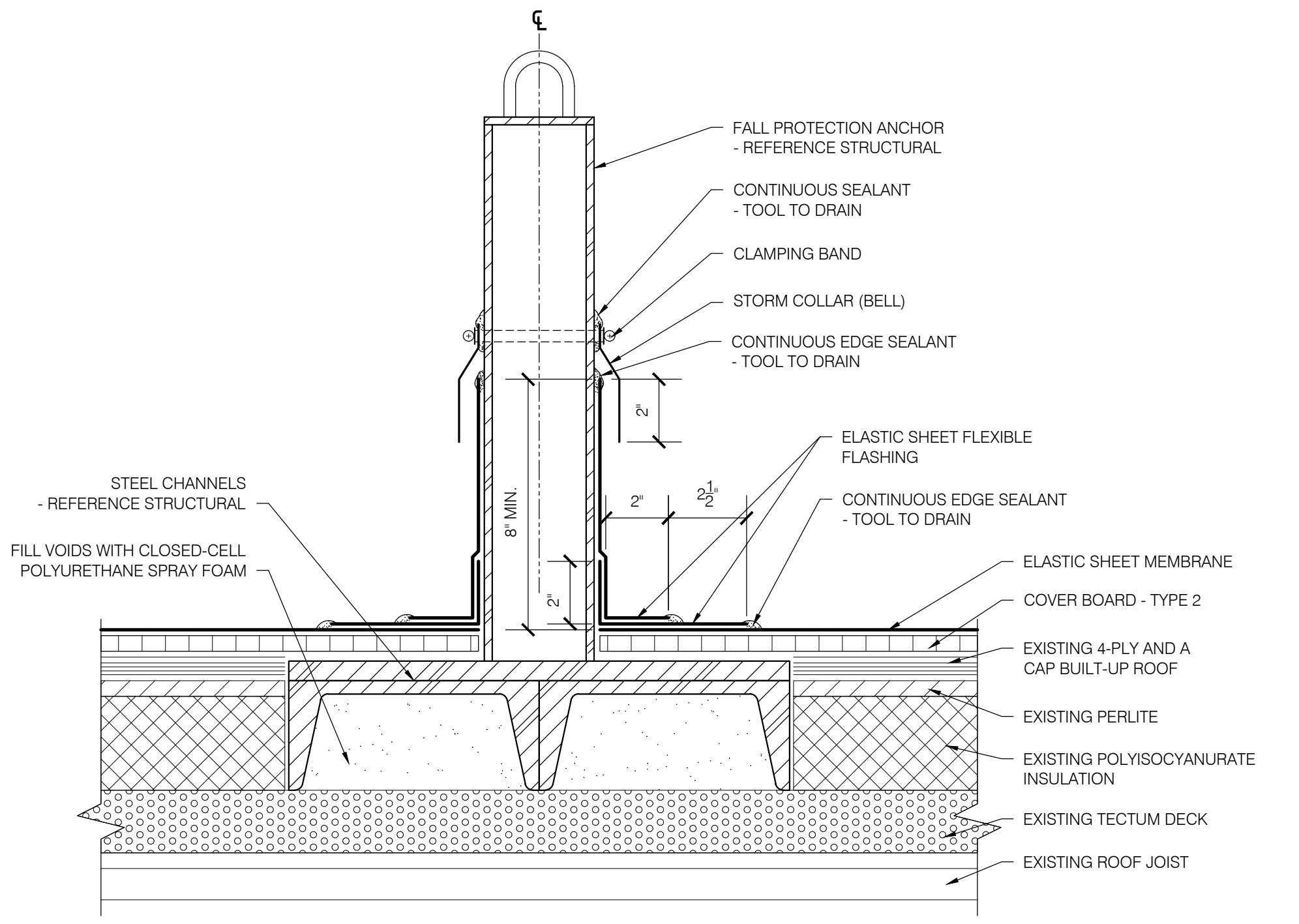
**1** AREA H SCUPPER DRAIN ASSEMBLY  
 R208 SCALE: 3" = 1'-0"



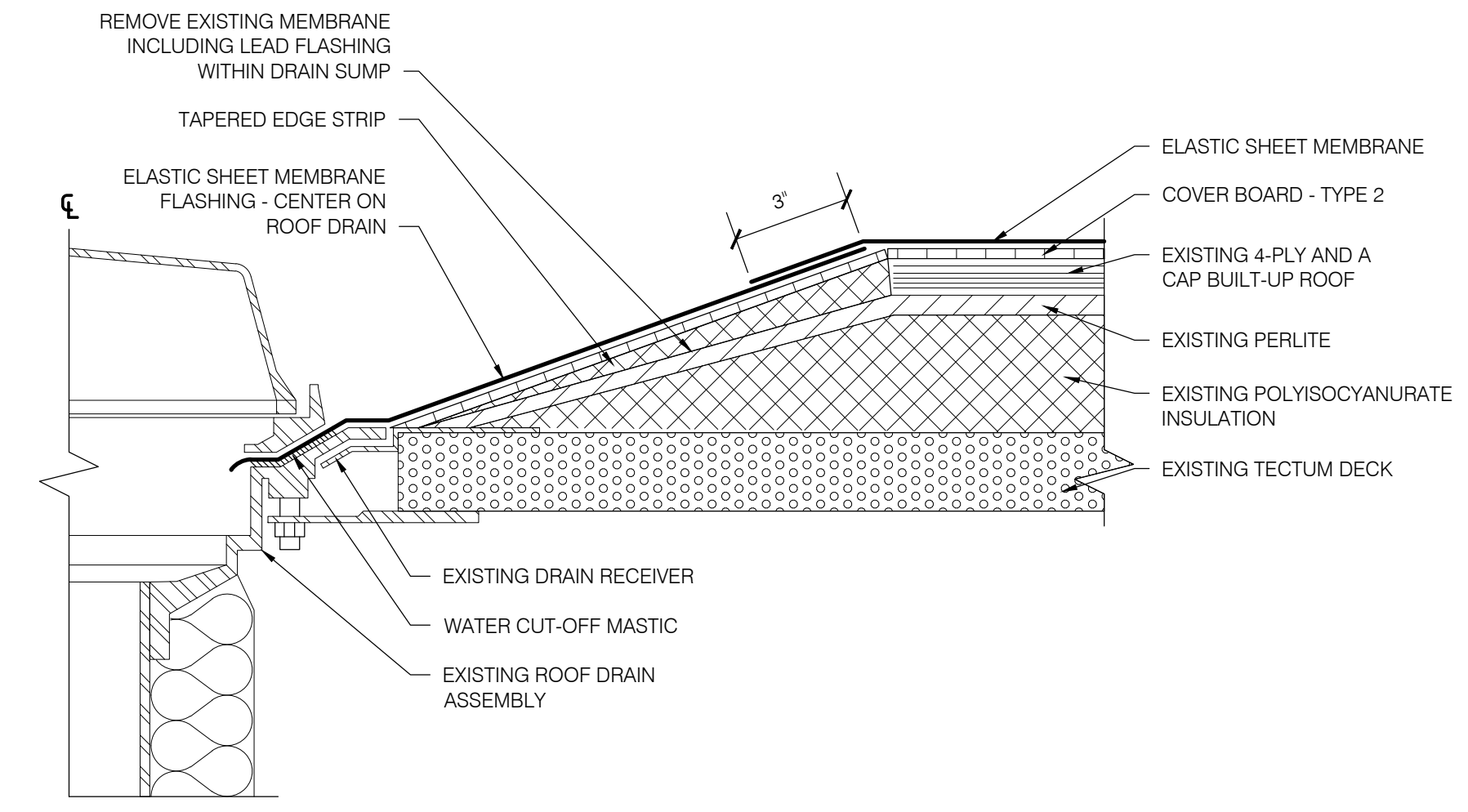
**EUGENE SCHOOL DISTRICT 4J  
SPENCER BUTTE MIDDLE SCHOOL  
ROOF REPLACEMENT**



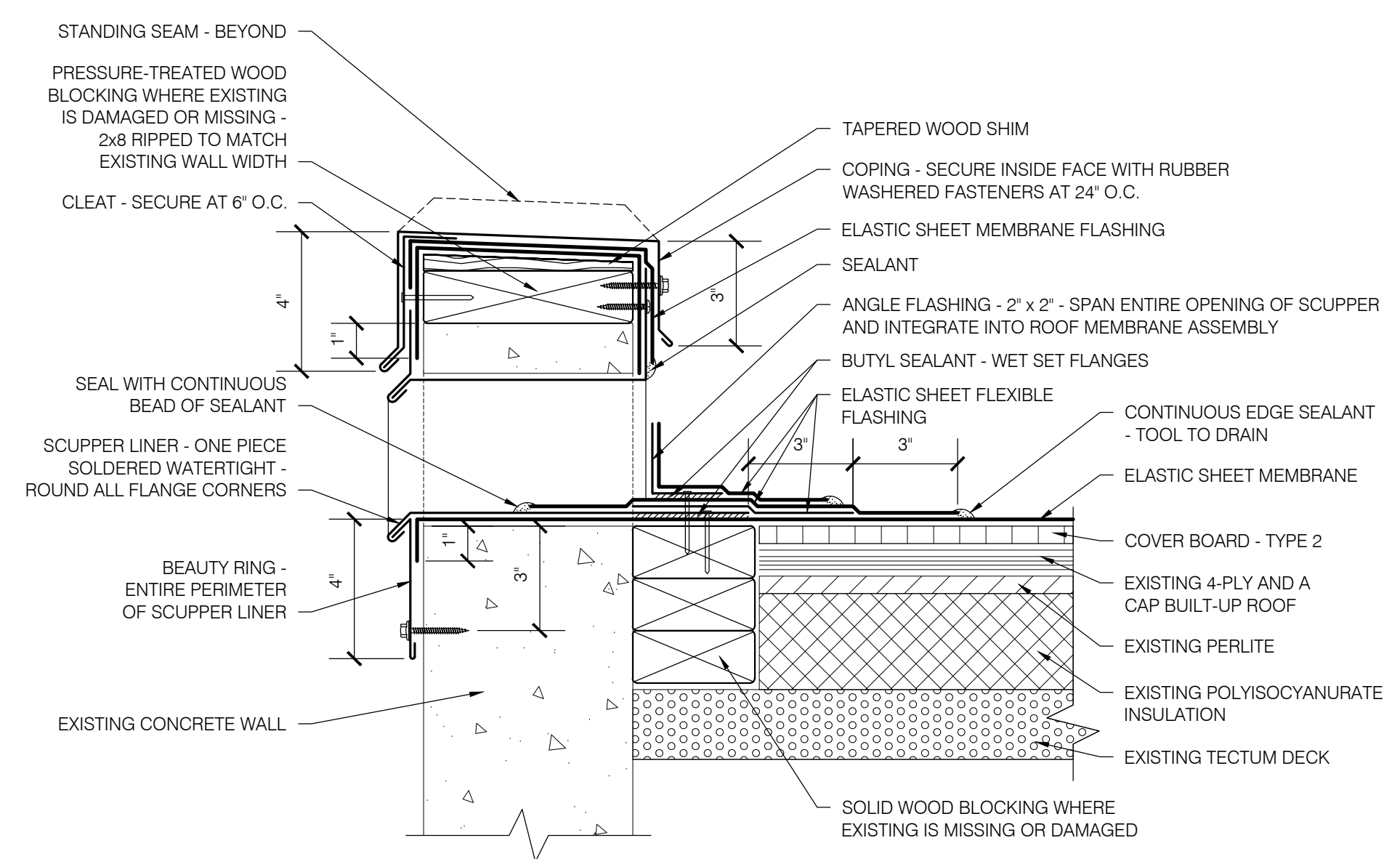
**1**  
AREA 1  
PARAPET  
SCALE: 3" = 1'-0"



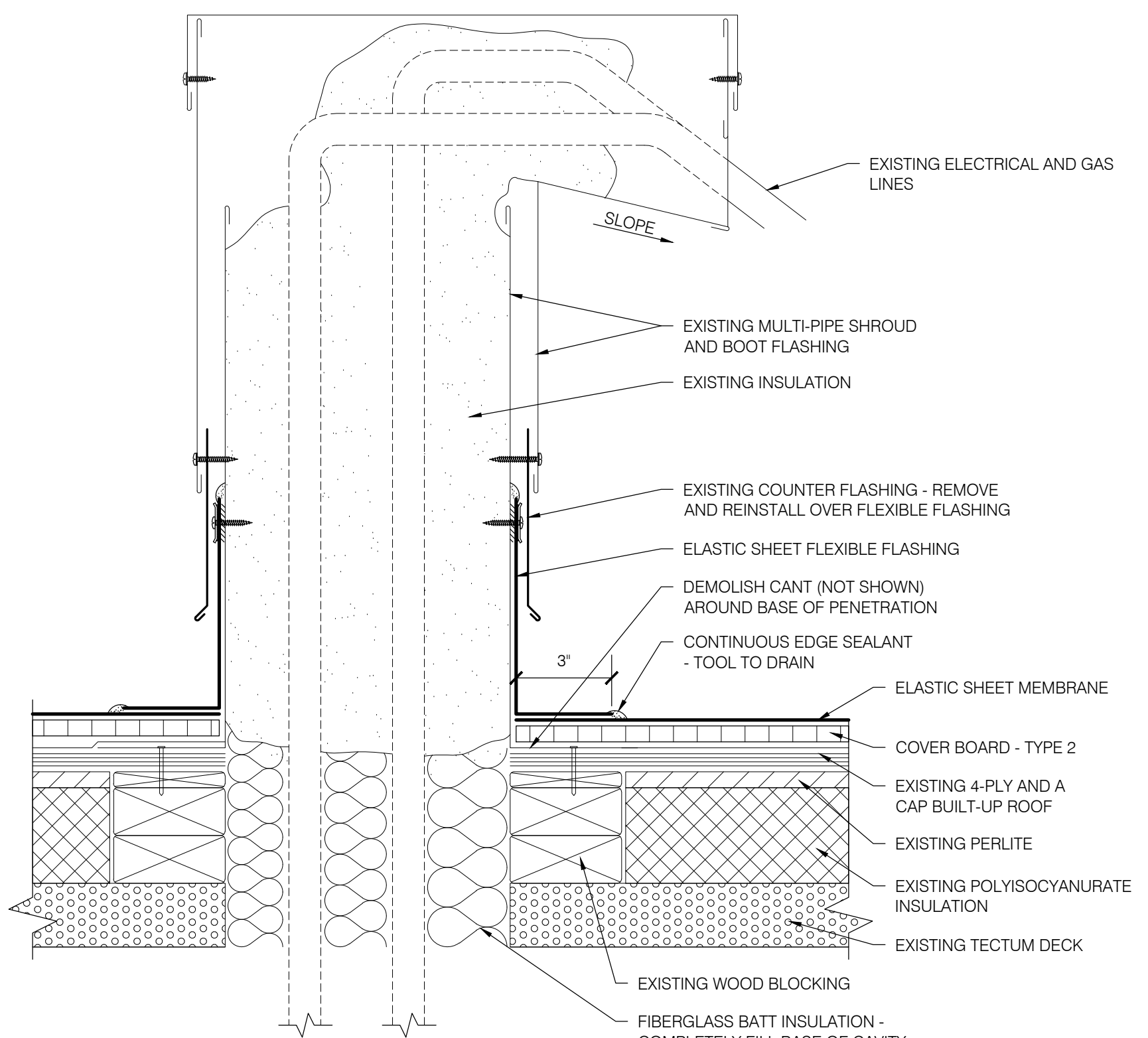
**2**  
AREA 1  
FALL PROTECTION ANCHOR  
SCALE: 3" = 1'-0"



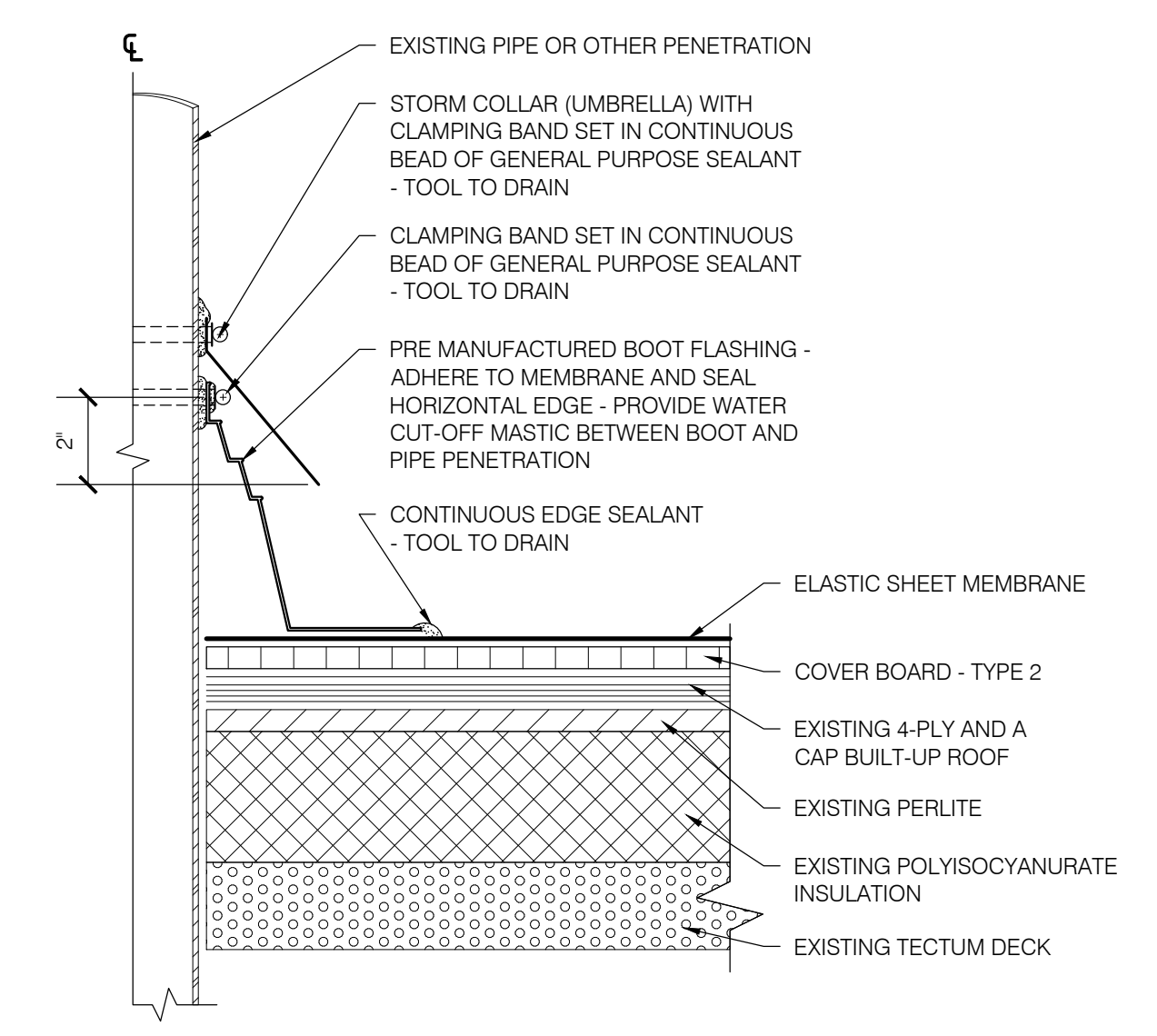
**3**  
AREA 1  
ROOF DRAIN  
SCALE: 3" = 1'-0"



**4**  
AREA 1  
SCUPPER OVERFLOW  
SCALE: 3" = 1'-0"



**5**  
AREA 1  
MULTI-PIPE PENETRATION  
SCALE: 3" = 1'-0"



**6**  
AREA 1  
PLUMBING VENT PIPE  
SCALE: 3" = 1'-0"

SHEET TITLE:  
DETAILS - AREA 1

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

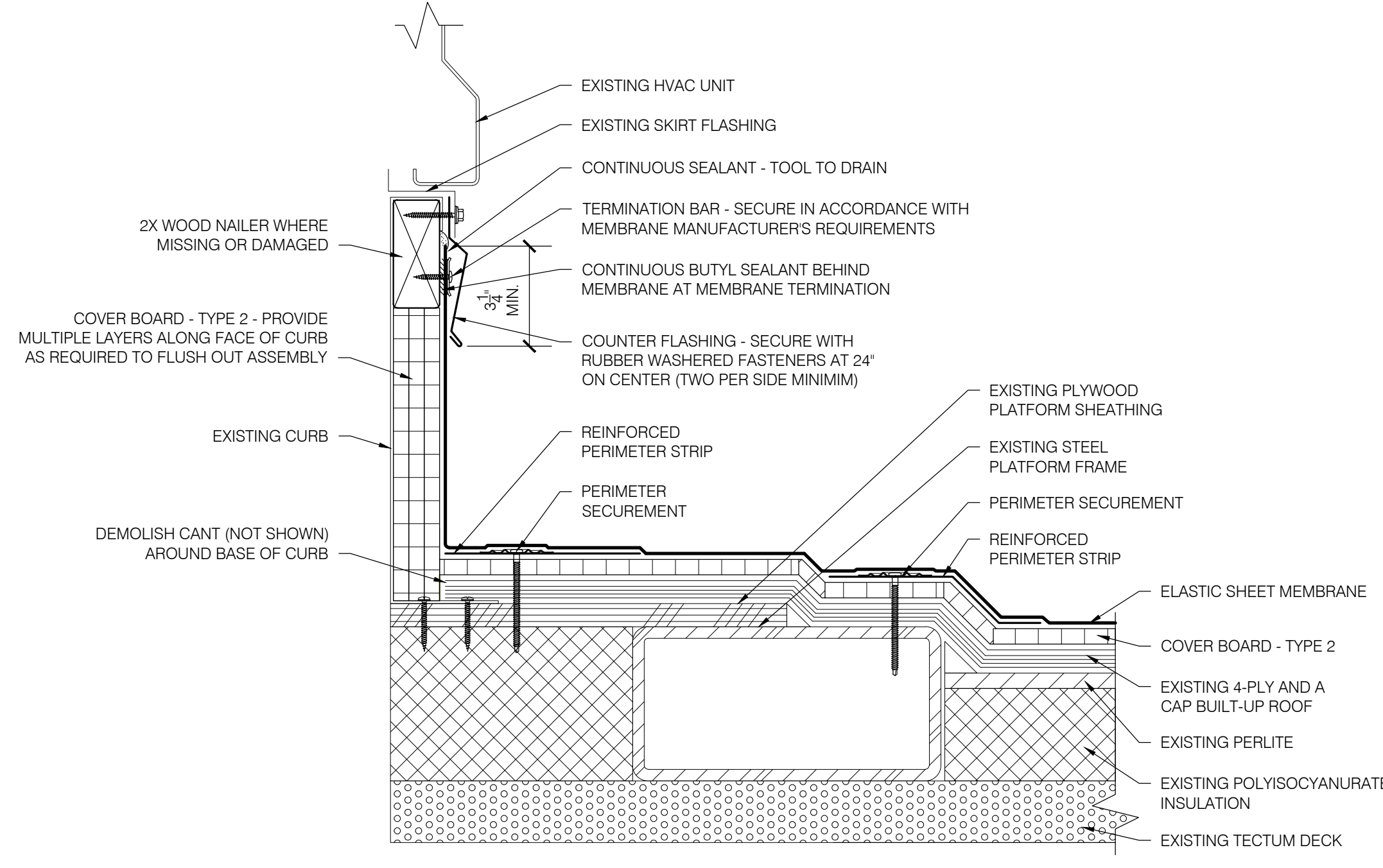
Date: NOVEMBER 10, 2021  
Revisions:

Drawn: TWB  
Check: BAR  
File: R200-Details  
Job: R3282.07

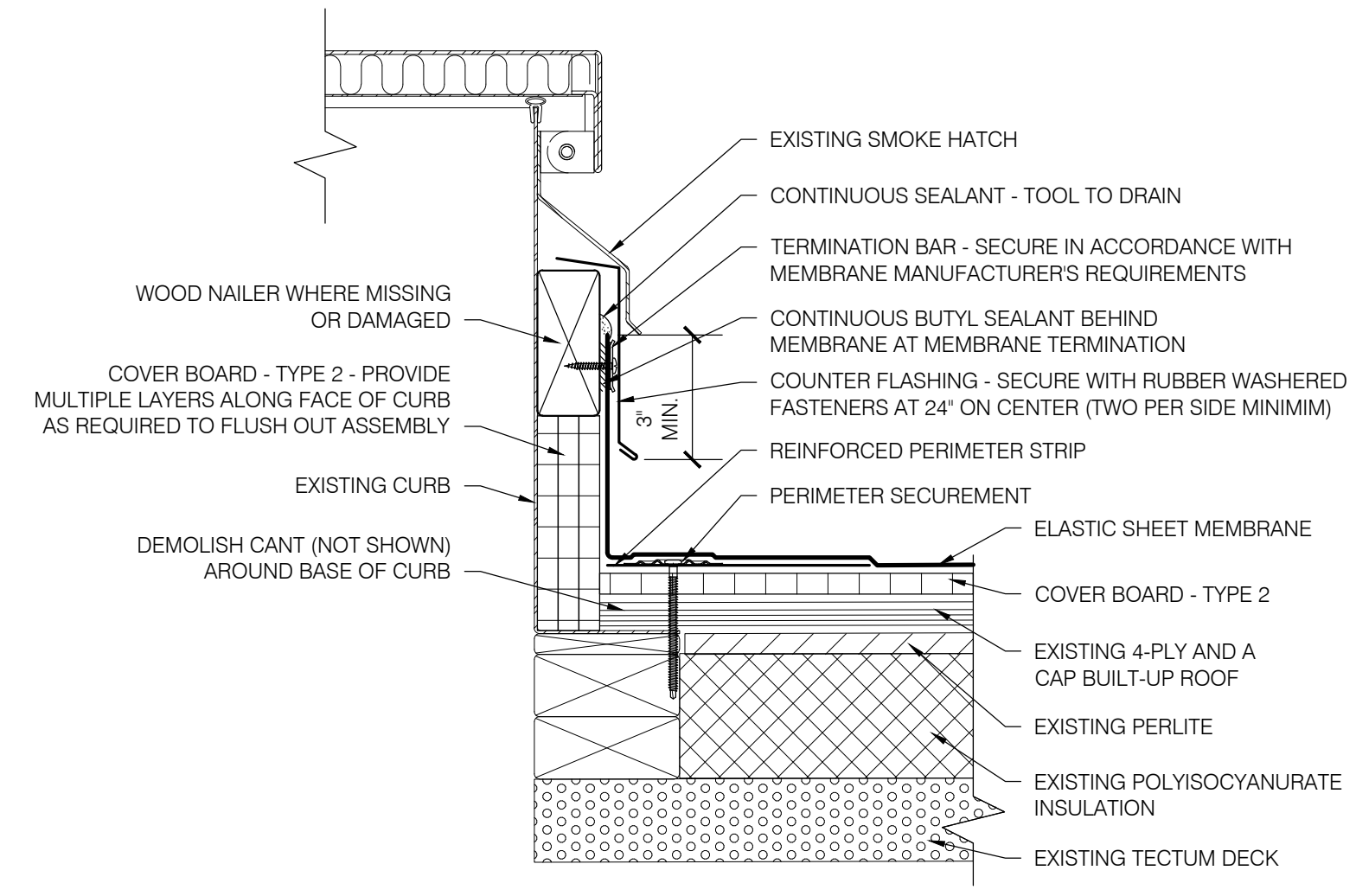
SHEET NUMBER:  
**R209**

BID SET

**EUGENE SCHOOL DISTRICT 4J  
SPENCER BUTTE MIDDLE SCHOOL  
ROOF REPLACEMENT**



**1**  
R210  
AREA 1  
MECHANICAL CURB  
SCALE: 3" = 1'-0"



**2**  
R210  
AREA 1  
CURBED SMOKE HATCH  
SCALE: 3" = 1'-0"

SHEET TITLE:  
DETAILS - AREA 1

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: NOVEMBER 10, 2021  
Revisions:

Drawn: TWB  
Check: BAR  
File: R200-Details  
Job: R3282.07

SHEET NUMBER:  
**R210**

BID SET



**EUGENE SCHOOL DISTRICT 4J  
SPENCER BUTTE MIDDLE SCHOOL  
ROOF REPLACEMENT**

**GENERAL STRUCTURAL NOTES:**

**CODE REQUIREMENTS:**  
CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE AS AMENDED BY THE 2019 OSSC, REFERENCED HEREFTER AS IBC.

**DESIGN CRITERIA:**  
DESIGN WAS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE IBC. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS WERE USED FOR DESIGN:

GROUND SNOW LOAD Pg: 25 PSF  
FLAT-ROOF SNOW LOAD Pf: 25 PSF  
SNOW EXPOSURE FACTOR Ce: 1.0  
SNOW IMPORTANCE FACTOR ic: 1.10  
THERMAL FACTOR Ct: 1.0

BASIC WIND SPEED (3-SEC GUST, ULTIMATE): 105 MPH  
BUILDING CATEGORY: III  
WIND EXPOSURE: B

**EXISTING CONDITIONS:**  
THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS PRIOR TO THE START OF THE WORK.

**TEMPORARY CONDITIONS:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE NEW AND EXISTING STRUCTURES AND WALLS DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER THE FINAL CONFIGURATION ONLY.

**CONCRETE ACCESSORIES:**  
CONCRETE EXPANSION ANCHORS SHALL BE "SIMPSON STRONG-BOLT 2" (OR ENGINEER APPROVED EQUIVALENT) INSTALLED PER MANUFACTURER'S GUIDELINES AND CURRENT ESR REPORT.

CONCRETE SCREW ANCHORS SHALL BE "SIMPSON TITEN-HD" (OR ENGINEER APPROVED EQUIVALENT) INSTALLED PER MANUFACTURER'S GUIDELINES AND CURRENT ESR REPORT.

**CARPENTRY:**  
SAWN LUMBER DESIGN IS BASED ON THE NATIONAL DESIGN SPECIFICATION, LATEST EDITION. SAWN LUMBER SHALL CONFORM TO WEST COAST LUMBER INSPECTION BUREAU OR WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES. UNLESS NOTED OTHERWISE ALL LUMBER SHALL BE 19% AT TIME OF FABRICATION AND DRIED TO A MAXIMUM OF 15% BEFORE INSTALLATION OF GYP. BOARD AND OF BRICK VENEER AND VERIFIED BY THE GENERAL CONTRACTOR. ALL WOOD IN PERMANENT CONTACT WITH CONCRETE OR CMU SHALL BE PRESSURE TREATED UNLESS AN APPROVED BARRIER IS PROVIDED. GRADES SHALL BE D.F. #2 UNLESS NOTED OTHERWISE ON THE PLANS.

FRAMING ACCESSORIES AND STRUCTURAL FASTENERS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY (OR ENGINEER APPROVED EQUAL) AND OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS AND ATTACHED PER MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS UNLESS NOTED OTHERWISE. HANGERS NOT SHOWN SHALL BE SIMPSON HU OF SIZE RECOMMENDED FOR MEMBER. ALL FRAMING NAILS SHALL BE COMMON NAILS. NO BOX NAILS ALLOWED. FASTENERS AND ACCESSORIES IN CONTACT WITH PRESERVATIVE TREATED WOOD MUST BE HOT DIPPED GALVANIZED OR HAVE ZMAX COATING. ALL FASTENERS IN CONTACT WITH FIRE RETARDANT LUMBER MUST BE HOT-DIPPED GALVANIZED. DO NOT INSTALL 0.148" x 1 1/2" NAILS IN HANGERS UNLESS SPECIFICALLY NOTED ON THE PLANS & DETAILS. NAIL CALLOUTS SHALL BE INTERPRETED AS FOLLOWS:

NAIL CALLOUT	DIAMETER	LENGTH
8d COMMON	0.131"	2 1/2"
10d COMMON	0.148"	3"
16d COMMON	0.162"	3 1/2"
16d SINKER	0.148"	3 1/4"
ROOF SHEATHING NAILS	0.131"	2 1/2" (RING SHANK AT DECK ROOF)

SHEATHING PANELS SHALL CONFORM TO THE REQUIREMENTS OF VOLUNTARY PRODUCT STANDARD PS 1 OR PS 2, OR APA PRP-108 PERFORMANCE STANDARDS. UNLESS NOTED, PANELS SHALL BE APA RATED SHEATHING, EXPOSURE 1, OF THE THICKNESS AND SPAN RATING SHOWN ON THE DRAWINGS. INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW 1/8" SPACING AT PANEL ENDS AND EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.

ALL ROOF SHEATHING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS, EXCEPT AS INDICATED ON THE DRAWINGS. ROOF SHEATHING SHALL EITHER BE BLOCKED, TONGUE-AND-GROOVE, OR HAVE EDGES SUPPORTED BY PLYCLIPS. NAILING NOT SPECIFICALLY IDENTIFIED ON THE DRAWINGS SHALL CONFORM TO IBC TABLE 2304.9.1.

**METALS:**  
ALL MISCELLANEOUS STEEL: ASTM A36 (Fy=36,000 PSI), OR AS NOTED ASTM A572 (Fy=50 KSI).  
CHANNELS: ASTM A572 (Fy = 50,000 PSI) OR ENGINEER APPROVED EQUAL.  
ALL BOLTS: ASTM A307 UNLESS NOTED OTHERWISE.  
WELDING: PER AWS STANDARDS. E70XX ELECTRODE AND BY CERTIFIED WELDERS.  
DESIGN, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE "AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS". WELDING SHALL CONFORM TO THE AWS CODES FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION AND SHALL BE 3/16" MINIMUM UNLESS OTHERWISE NOTED. WELDING SHALL BE BY AWS CERTIFIED WELDERS. PRE-QUALIFIED WELDING PROCEDURES ARE TO BE USED, UNLESS AWS QUALIFICATION IS SUBMITTED TO THE ARCHITECT/ENGINEER PRIOR TO FABRICATION.  
ALL STEEL TO HAVE SHOP COAT.  
ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED PER ASTM 123 FOR STRUCTURAL STEEL AND ASTM 153 FOR BOLTS AND HARDWARE. FABRICATION OF STEEL THAT IS TO BE HOT DIP GALVANIZED SHALL ALSO MEET ASTM A385. REPAIR OF DAMAGED GALVANIZED COATING SHALL BE MADE WITH PRODUCTS MEETING ASTM A780 AND AS A MINIMUM SHALL BE 50% GREATER IN THICKNESS THAN THE SURROUNDING GALVANIZING.

**INSPECTION:**  
SPECIAL INSPECTIONS: IN ACCORDANCE WITH SECTION 1704 OF THE IBC AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS. SPECIAL INSPECTIONS ARE TO BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY EMPLOYED BY THE OWNER FOR THE AREAS INDICATED BELOW:

1. FILLET WELDING (PERIODIC)
2. POST-INSTALLED ANCHORS (PERIODIC)

THE CONTRACTOR AND SPECIAL INSPECTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY ITEM NOT COMPLYING WITH THE PROJECT SPECIFICATIONS AND/OR APPLICABLE CODES BEFORE PROCEEDING WITH ANY WORK INVOLVING THAT ITEM. THE ENGINEER OF RECORD WILL REVIEW THE ITEM AND DETERMINE ACCEPTABILITY. IF WORK INVOLVING THAT ITEM PROCEEDS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD THEN THE WORK WILL BE CONSIDERED NON-COMPLIANT.

**MECHANICAL:**  
THE CONTRACTOR SHALL COORDINATE SEISMIC RESTRAINTS OF ELECTRICAL EQUIPMENT, MECHANICAL, PLUMBING, FIRE SPRINKLER, MACHINERY, AND ASSOCIATED PIPING WITH THE STRUCTURE. ANY CONNECTIONS TO STRUCTURE NOT CONFORMING TO SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA), OR SPECIFICALLY DETAILED ON THE MECHANICAL ENGINEER'S DRAWINGS, SHALL BE DESIGNED IN ACCORDANCE OF THESE GENERAL NOTES, BY AN ENGINEER REGISTERED IN THE STATE OF WASHINGTON, AND SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION.

**FLASHING AND WATERPROOFING:**  
ALL FLASHING AND WATERPROOFING SHALL BE PER PROFESSIONAL ROOF CONSULTANTS UNLESS NOTED OTHERWISE ON THE PLANS.

**WIND LOAD DIAGRAM:**  
THIS WIND LOAD DIAGRAM IS BEING PROVIDED FOR USE BY THE ROOFING CONTRACTOR TO DETERMINE APPROPRIATE MEANS OF SECURING ROOFING COMPONENTS. ATTACHMENT METHOD, ANCHOR SELECTION, SPACING OF FASTENERS, AND VERIFICATION OF THE EXISTING SUBSTRATE AS SUITABLE FOR THE ATTACHMENT METHOD IS BEYOND THE SCOPE OF TM RIPPEY CONSULTING ENGINEERS WORK AND IS THE SOLE RESPONSIBILITY OF THE INSTALLER.

**FALL PROTECTION GENERAL STRUCTURAL NOTES:**

**CODE REQUIREMENTS:**  
1. CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE AS AMENDED BY THE 2019 OREGON STRUCTURAL SPECIALTY CODE, REFERENCED HEREFTER AS IBC.  
2. CONFORM TO OREGON OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY SUBPART M (FALL PROTECTION) AND ALL APPLICABLE STATE ADMINISTRATIVE CODE SAFETY STANDARDS.  
3. CONFORM TO ANSIIASSE Z359 AMERICAN NATIONAL STANDARD, CURRENT EDITION.

**SYSTEM REQUIREMENTS:**  
1. INDIVIDUAL ANCHORS SHALL BE USED FOR A MAXIMUM OF ONE PERSON IN FALL ARREST OR FALL RESTRAINT.  
2. PERSONAL FALL ARREST SYSTEMS (PFAS) SHALL BE LIMITED TO FULL BODY HARNESSES THAT LIMIT THE MAXIMUM FALL ARREST LOAD TO 900 LBS.  
3. ANCHORS ARE TO BE USED ONLY BY PERSONS TRAINED IN THEIR USE. LANYARDS, SAFETY HARNESSSES, ATTACHMENTS, AND ALL OTHER PERSONAL SAFETY DEVICES ATTACHED TO THE ANCHOR ARE THE SOLE RESPONSIBILITY OF THE USER AND NOT TM RIPPEY CONSULTING ENGINEERS.  
4. ANCHORS ARE TO BE VISUALLY INSPECTED BY THE USER PRIOR TO EACH USE.  
5. ANCHORS ARE TO BE INSPECTED ANNUALLY BY A 'QUALIFIED PERSON'.  
6. ANCHORS SHALL BE RE-CERTIFIED BY A 'COMPETENT PERSON' WHEN RE-ROOFING OR RENOVATION OR AT PERIODS NOT TO EXCEED 10 YEARS.  
7. THE SYSTEM USER IS TO MAINTAIN A LOG BOOK OF USE AND INSPECTION.  
8. FALL PROTECTION SYSTEMS SERVING ROOF EDGES WITH INSUFFICIENT HEIGHT FOR FALL ARREST CLEARANCE SHALL BE CLEARLY IDENTIFIED AS 'FALL RESTRAINT' ONLY.

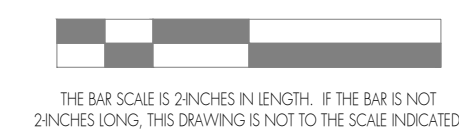
**ANCHOR LOADS:**  
ULTIMATE ANCHOR LOAD: 5000 LB  
ALLOWABLE LOAD: 310 LB (PER PERSON, COMBINED BODY WEIGHT AND TOOLS).

**PRODUCTS:**  
1. SINGLE POINT FALL ARREST ANCHORS - GUARDIAN CB18 (DBI-SALA AT AREA 1'), OR EQUIVALENT APPROVED BY THE ENGINEER.

**INSTALLATION:**  
1. INSTALL IN ACCORDANCE WITH APPROVED DRAWINGS AND MANUFACTURER'S INSTRUCTIONS.  
2. PROVIDE SPECIAL INSPECTION OF INSTALLATION BY A CERTIFIED INDEPENDENT TESTING LABORATORY EMPLOYED BY THE OWNER.

SHEET TITLE:  
GENERAL STRUCTURAL NOTES  
AND FALL PROTECTION  
STRUCTURAL NOTES

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.



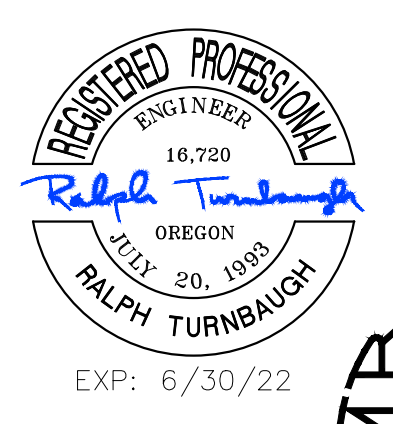
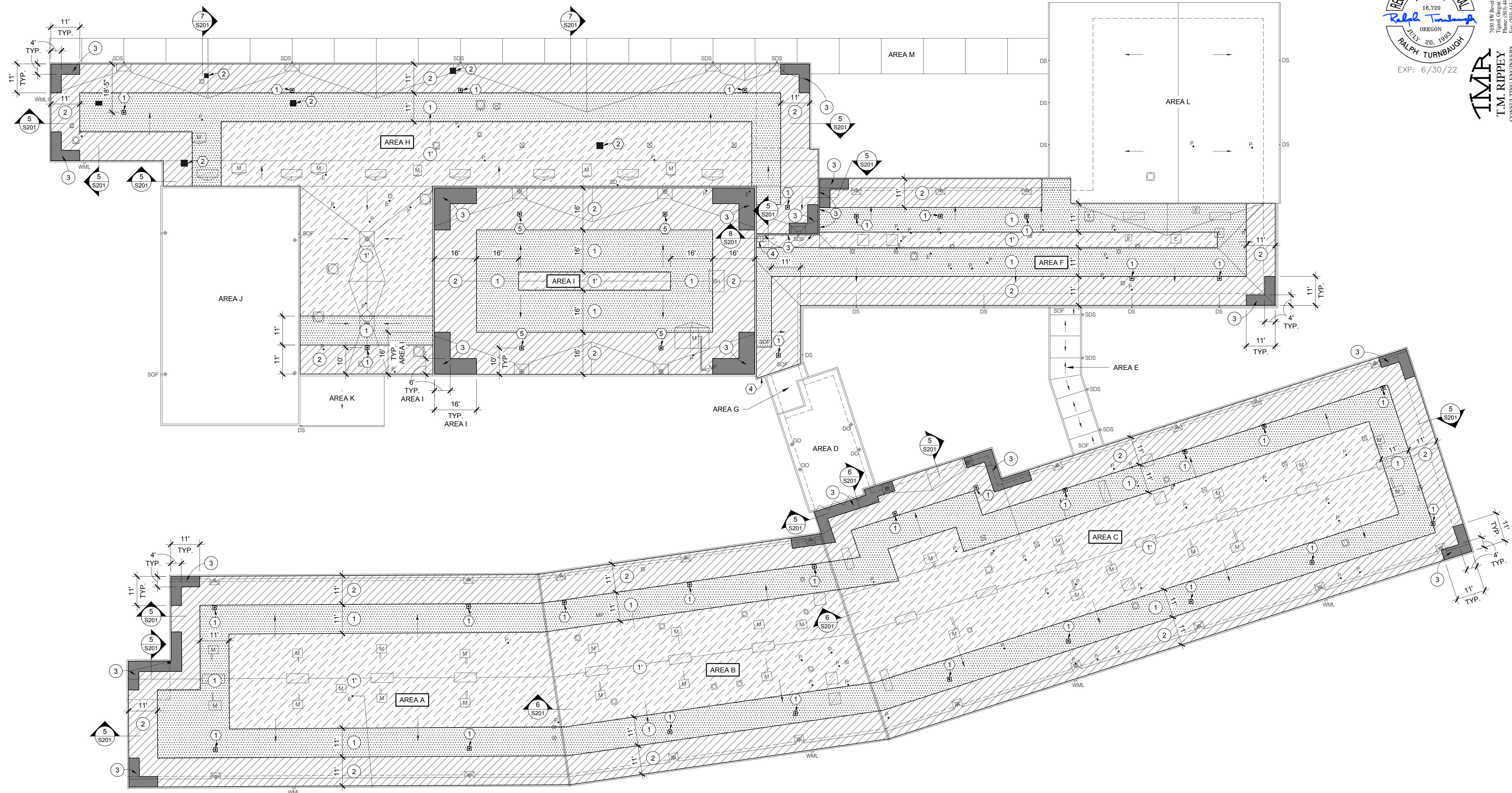
THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: MAY 31, 2021  
Revisions:

Drawn: JSC  
Check: JH / RNT  
File:  
TMR Job: 21070

BID SET

SHEET NUMBER:  
**S100**



7650 SW Beavland, Suite 100  
 Portland, Oregon 97225  
 T.M. RIPPEY  
 CONSULTING ENGINEERS  
 EXP: 6/30/22

**PROFESSIONAL ROOF CONSULTANTS INC.**  
 1108 SE GRAND AVENUE, SUITE 300  
 PORTLAND, OREGON 97214  
 PH. 503 280 8759 FAX: 503 280 8866

**EUGENE SCHOOL DISTRICT 4J  
 SPENCER BUTTE MIDDLE SCHOOL  
 ROOF REPLACEMENT**

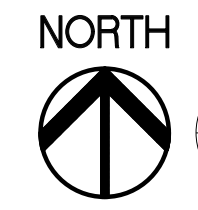
SHEET TITLE:  
 ROOF PLAN  
 WIND LOAD DIAGRAM

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

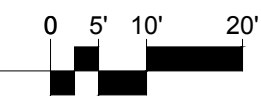
THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: MAY 31, 2021  
 Revisions:

Drawn: JSC  
 Check: JH / RNT  
 File:  
 TMR Job: 21070



1 ROOF PLAN  
 SCALE: 1" = 20'-0"



**ROOF WIND UPLIFT LOADS**

ROOF WIND UPLIFT (psf)			
ZONE 1	ZONE 2	ZONE 3	ZONE 4
17.4	30.3	40.0	54.5

**NOTES:**  
 - CODE: ASCE 7-16 CH. 30.  
 - BASIC WIND SPEED (3-SEC. GUST) = 105 MPH  
 - RISK CATEGORY: III  
 - WIND EXPOSURE: B  
 - LOADS ARE AT ULTIMATE (LRFD) LEVEL.  
 - MULTIPLY VALUES BY 0.6 TO OBTAIN ALLOWABLE STRESS (ASD) LEVEL LOADS.  
 - UPLIFT VALUES BASED ON TRIBUTARY AREA OF 10 SQ. FT.

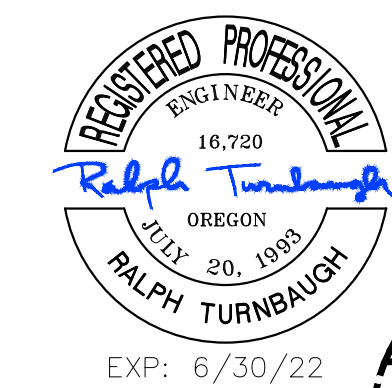
**KEYNOTES:**

- FALL PROTECTION ANCHOR PER DETAIL 1/S201.
- COVER EXISTING ABANDONED MECHANICAL CURB PER DETAIL 4/S201.
- IN-FILL EXISTING WINDOWS PER DETAIL 3/S201.
- RELOCATE EXISTING LADDER PER DETAIL 8/S201.
- FALL PROTECTION ANCHOR PER DETAIL 9/S201.

BID SET

SHEET NUMBER:  
**S101**





7680 SW Beavland, Suite 100  
Tigard, Oregon 97223  
Tel: (503) 443-3790  
Fax: (503) 443-3790

**TMR**  
**T.M. RIPPEY**  
CONSULTING ENGINEERS

EXP: 6/30/22



**EUGENE SCHOOL DISTRICT 4J**  
**SPENCER BUTTE MIDDLE SCHOOL**  
**ROOF REPLACEMENT**

SHEET TITLE:  
STRUCTURAL DETAILS

THESE DRAWINGS ARE THE PROPERTY OF PROFESSIONAL ROOF CONSULTANTS, INC. AND ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF PROFESSIONAL ROOF CONSULTANTS, INC.

THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: MAY 31, 2021

Revisions:

Drawn: JSC

Check: JH / RNT

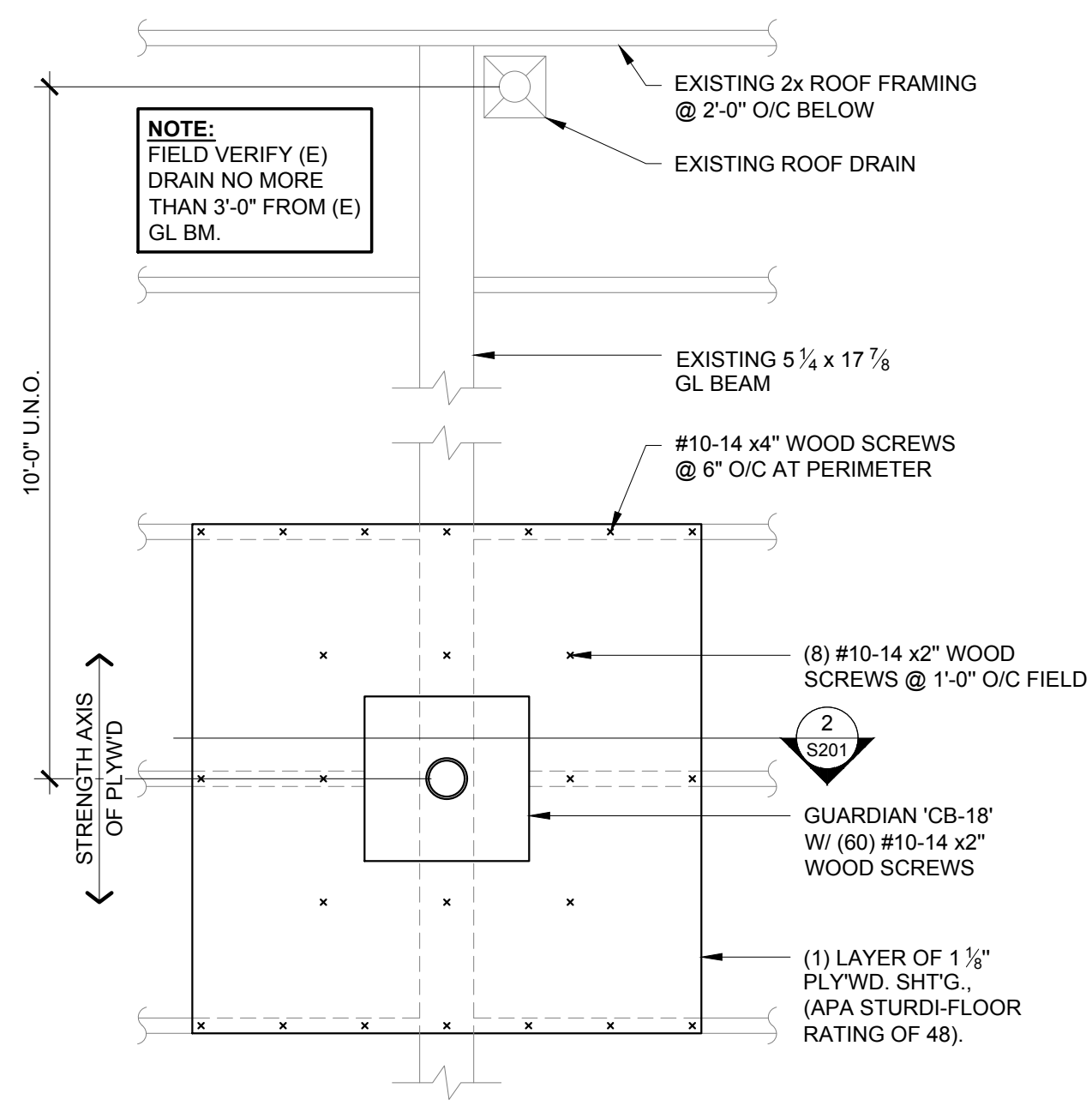
File:

TMR Job: 21070

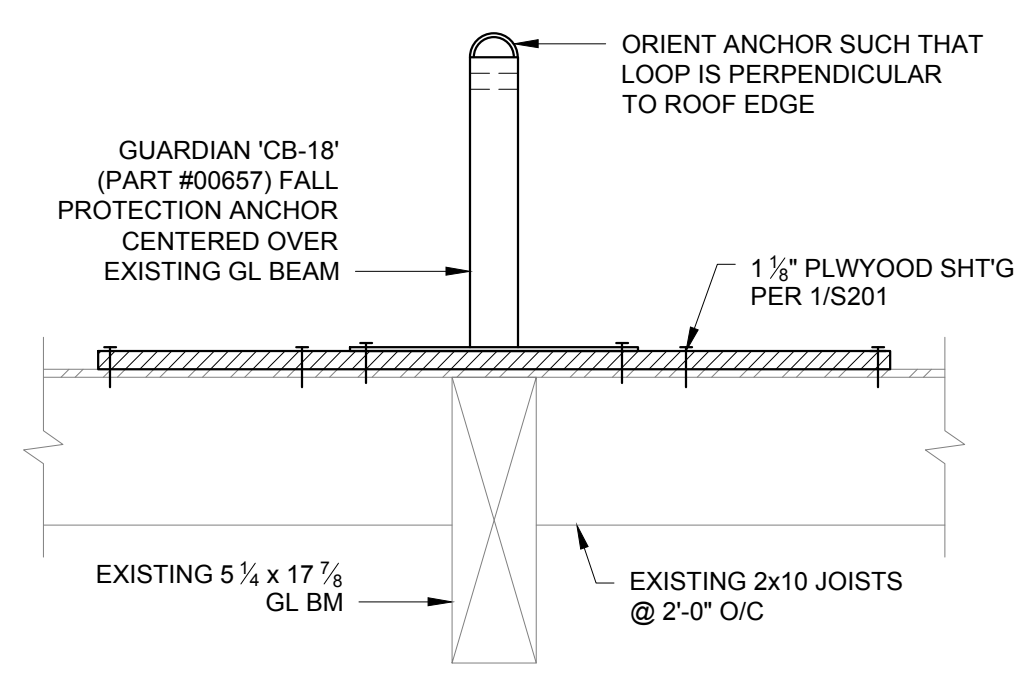
BID SET

SHEET NUMBER:  
**S201**

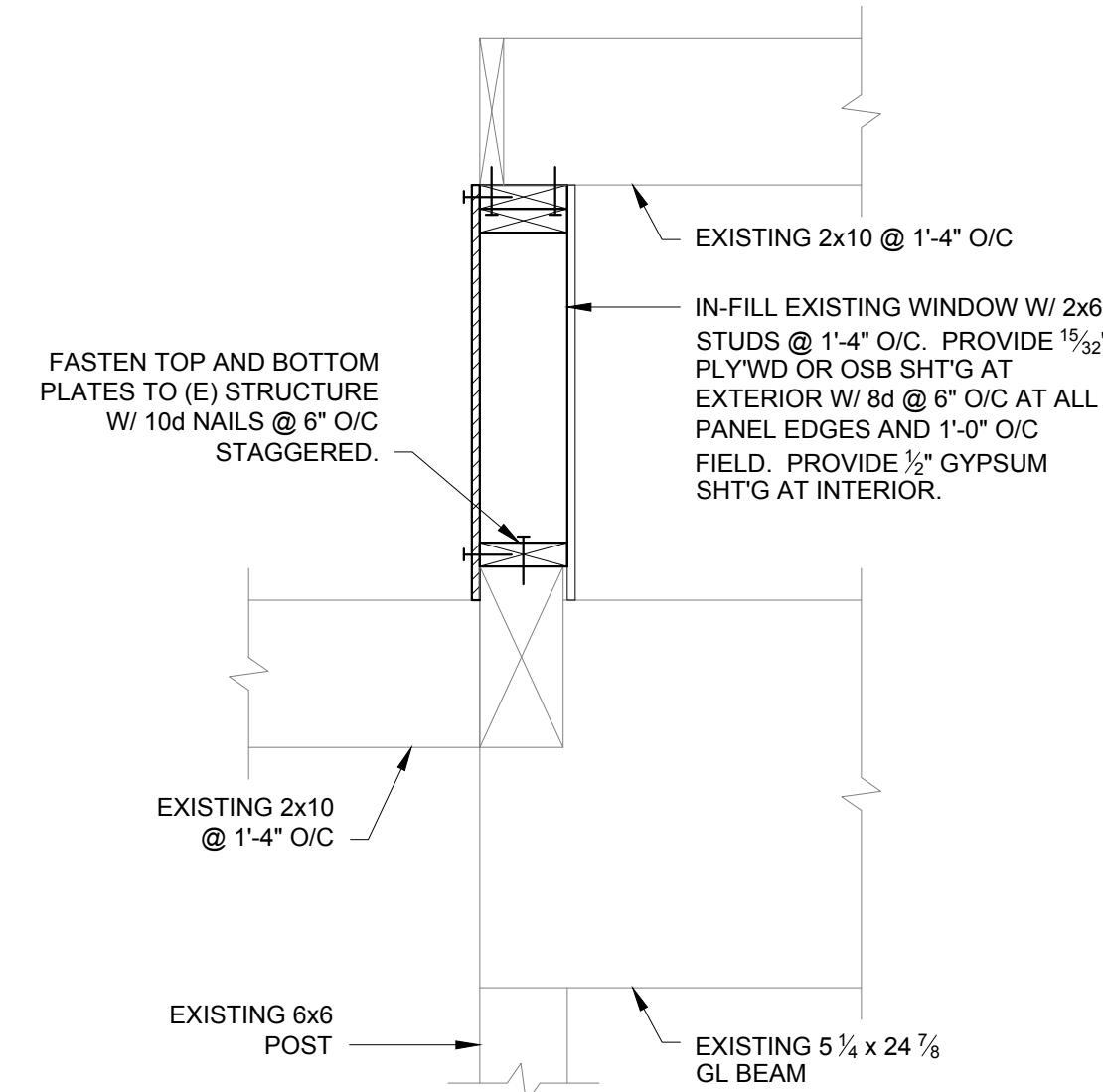
© Copyright Professional Roof Consultants, Inc. 2019



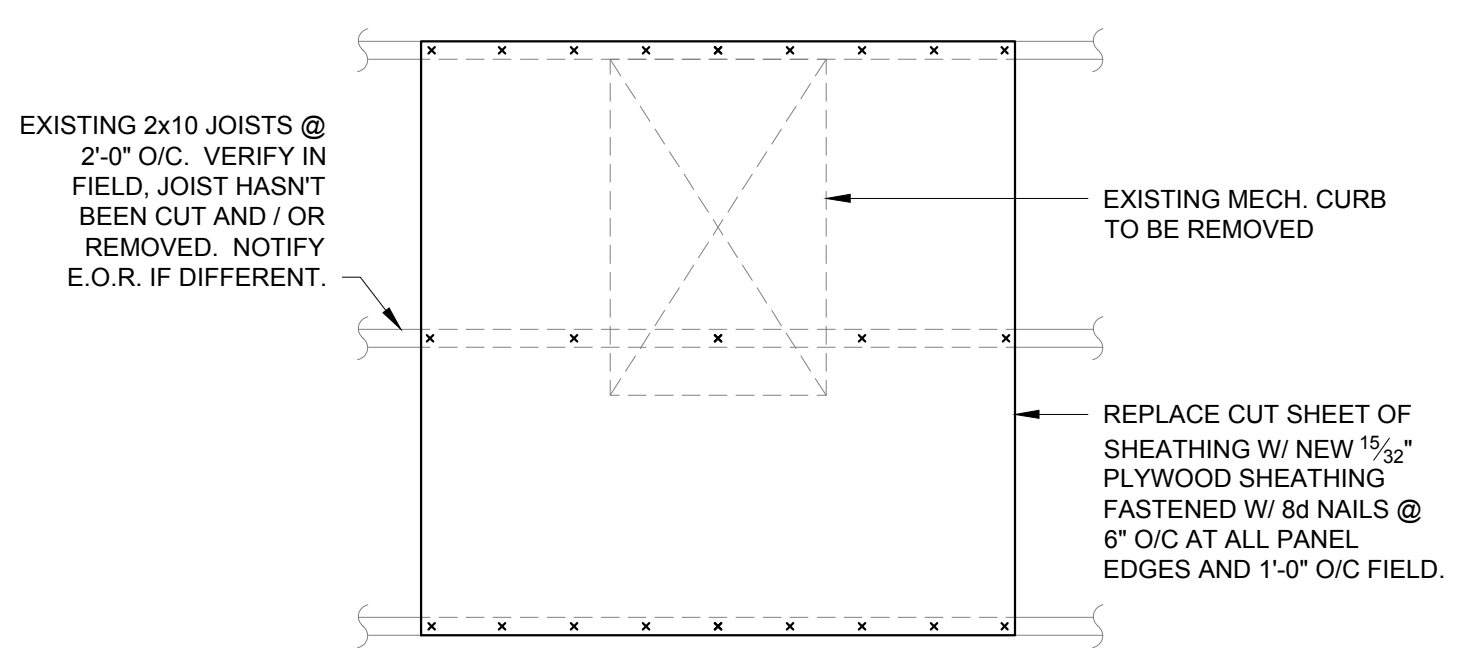
**1** PLAN VIEW - FALL PROTECTION ANCHOR  
S201 21070-01 SCALE: 3/4" = 1'-0"



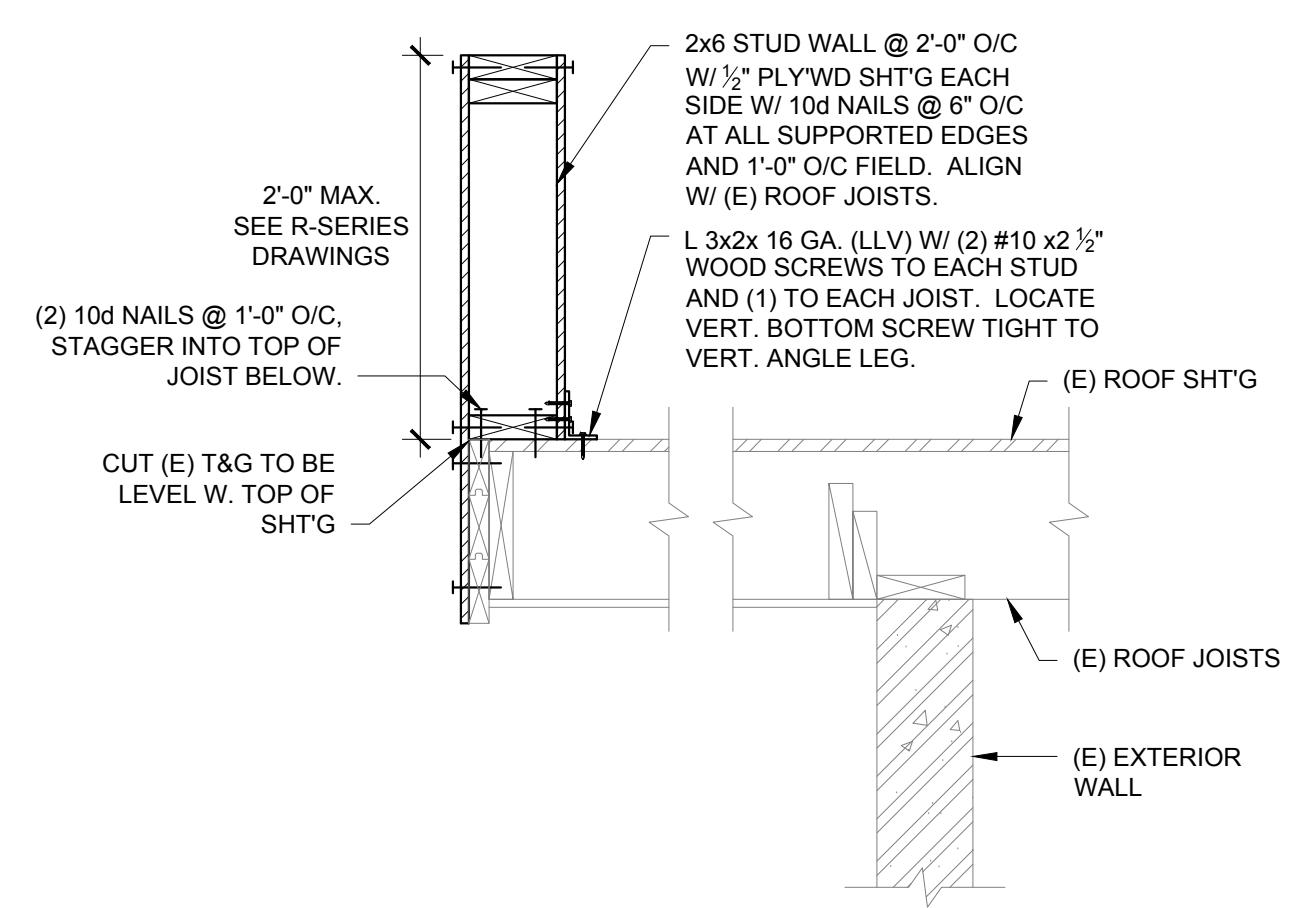
**2** 'FALL PROTECTION' ANCHOR  
S201 21070-02 SCALE: 1" = 1'-0"



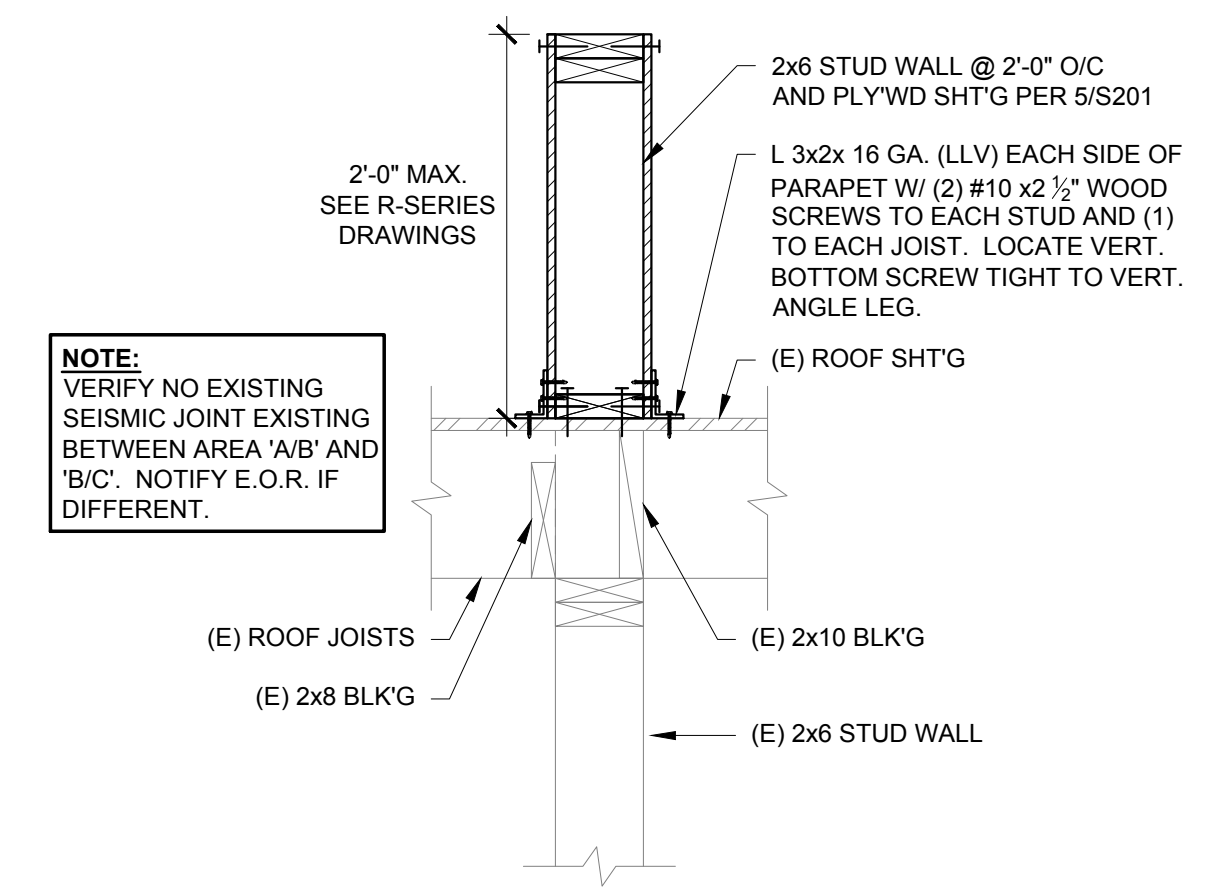
**3** WINDOW IN-FILL SECTION  
S201 21070-03 SCALE: 1" = 1'-0"



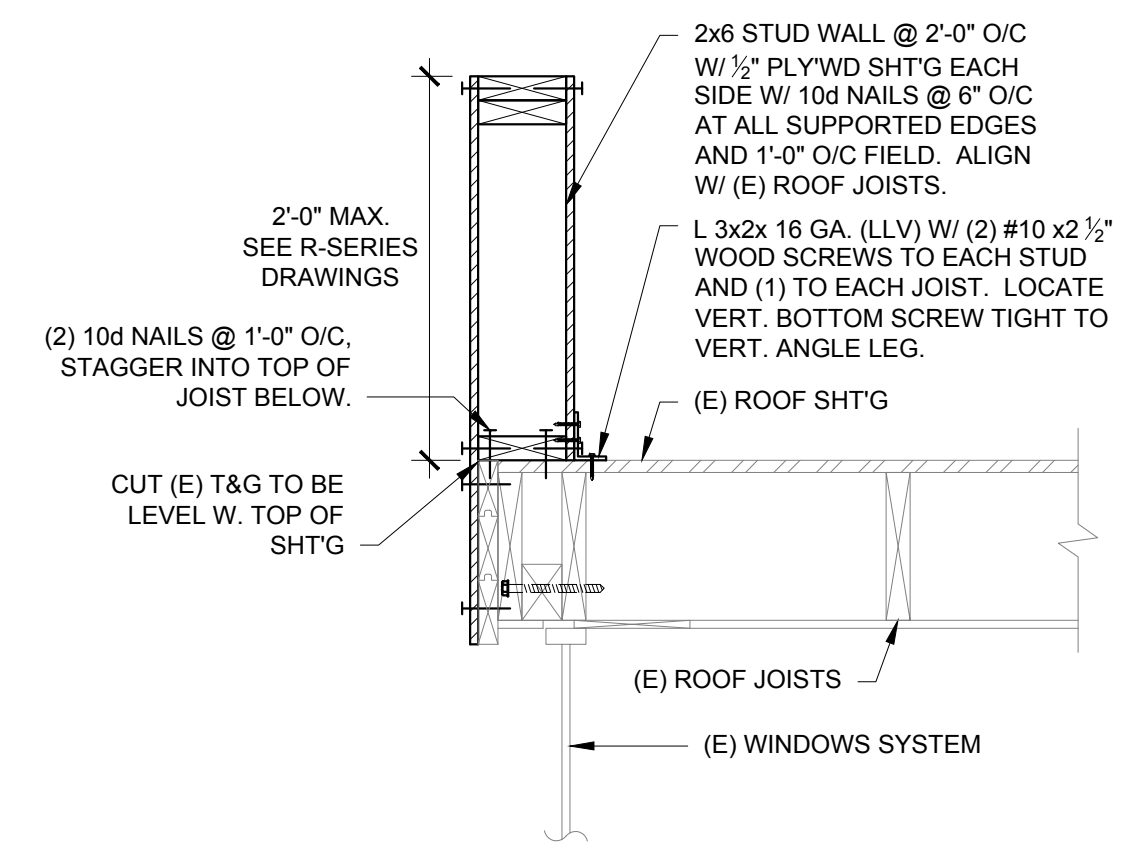
**4** PLAN VIEW - MECHANICAL OPENING COVER  
S201 21070-04 SCALE: 3/4" = 1'-0"



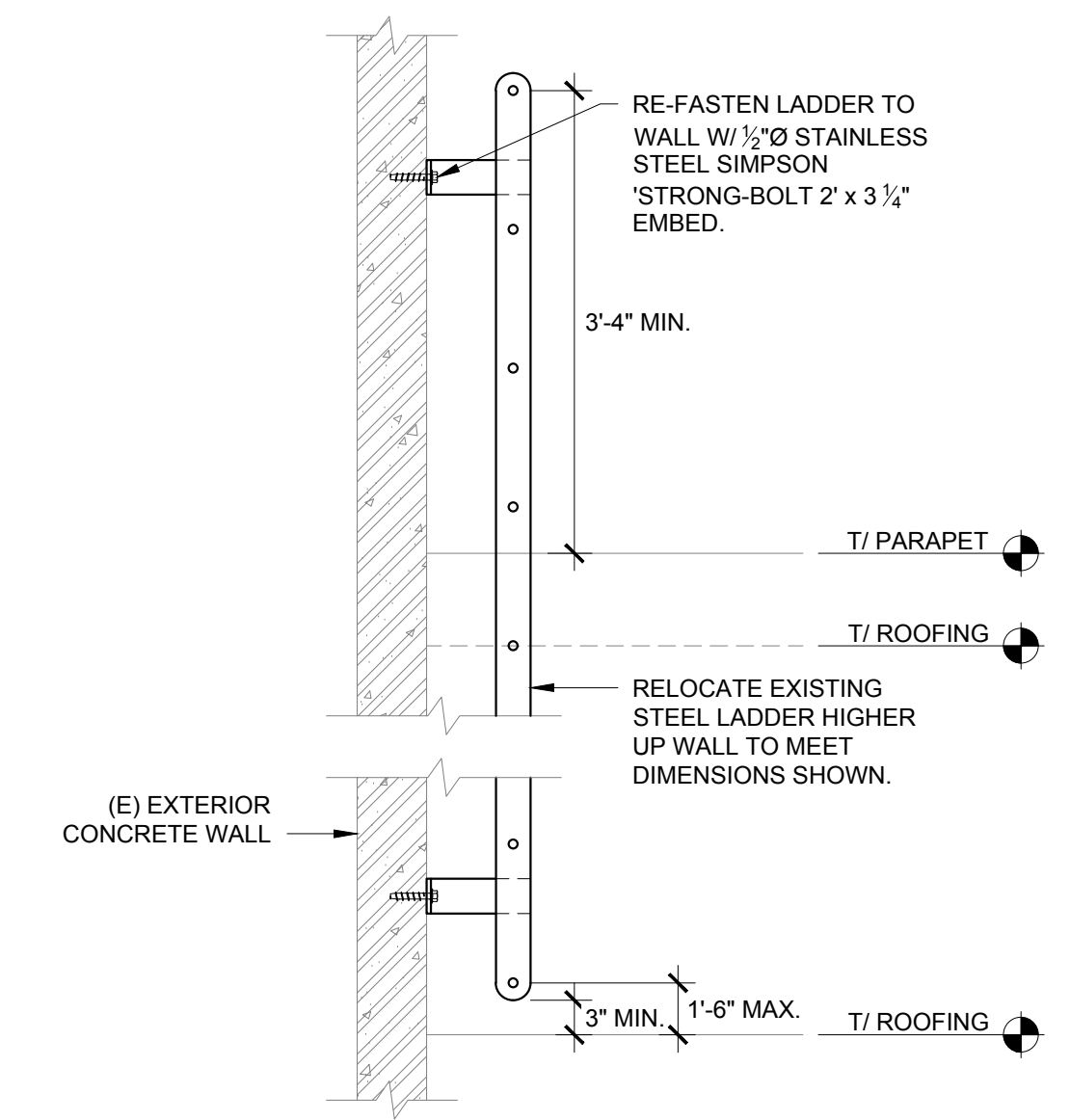
**5** PARAPET SECTION  
S201 21070-05 SCALE: 1" = 1'-0"



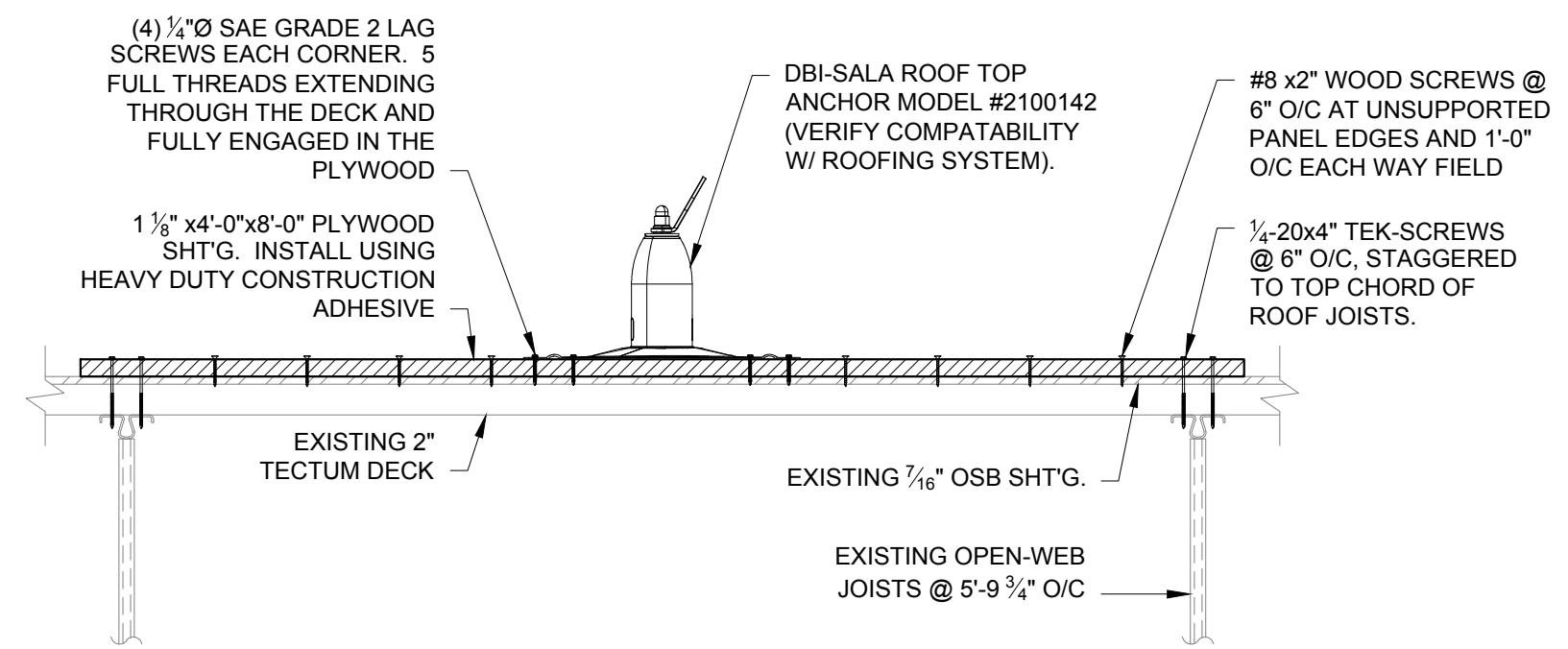
**6** PARAPET SECTION  
S201 21070-11 SCALE: 1" = 1'-0"



**7** PARAPET SECTION  
S201 21070-07 SCALE: 1" = 1'-0"



**8** LADDER RE-ATTACHMENT  
S201 21070-08 SCALE: 1" = 1'-0"



**9** 'FALL PROTECTION' ANCHOR  
S201 21070-13 SCALE: 1" = 1'-0"