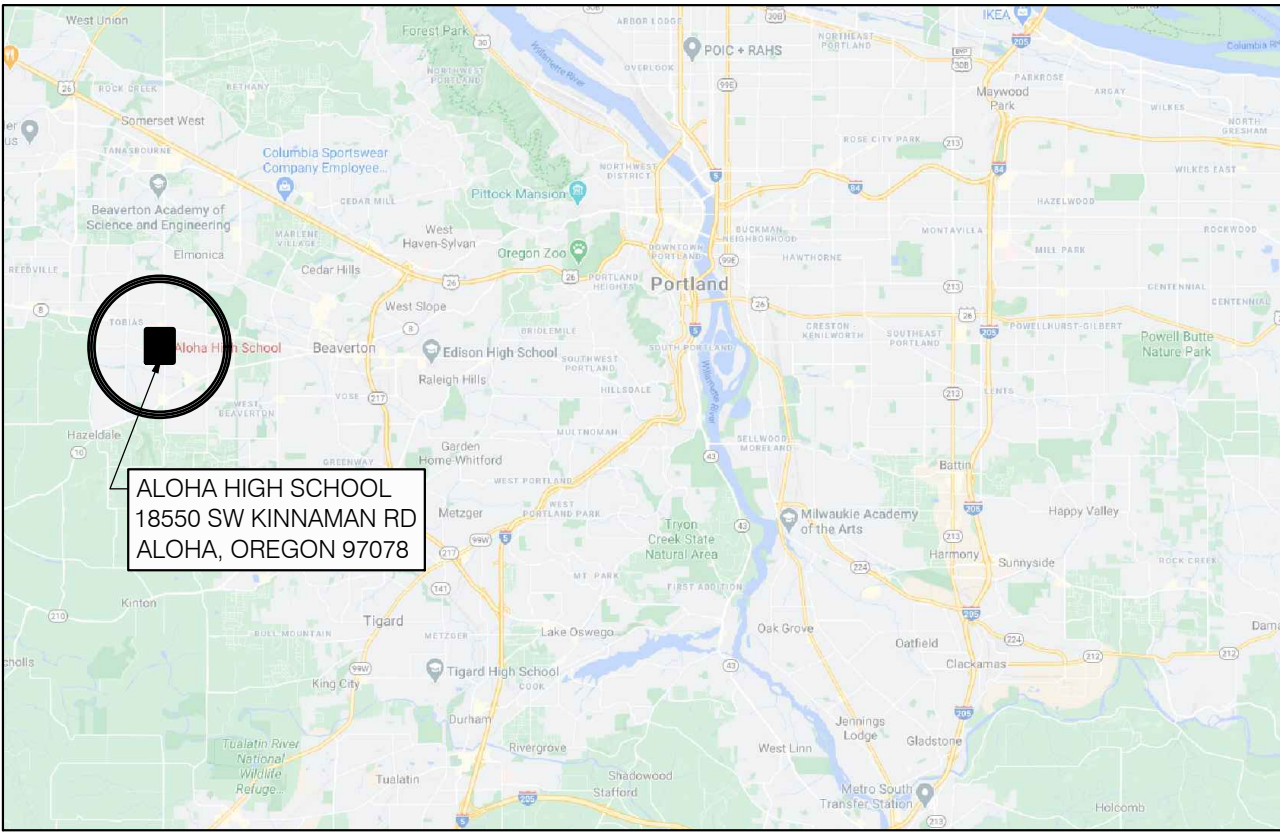
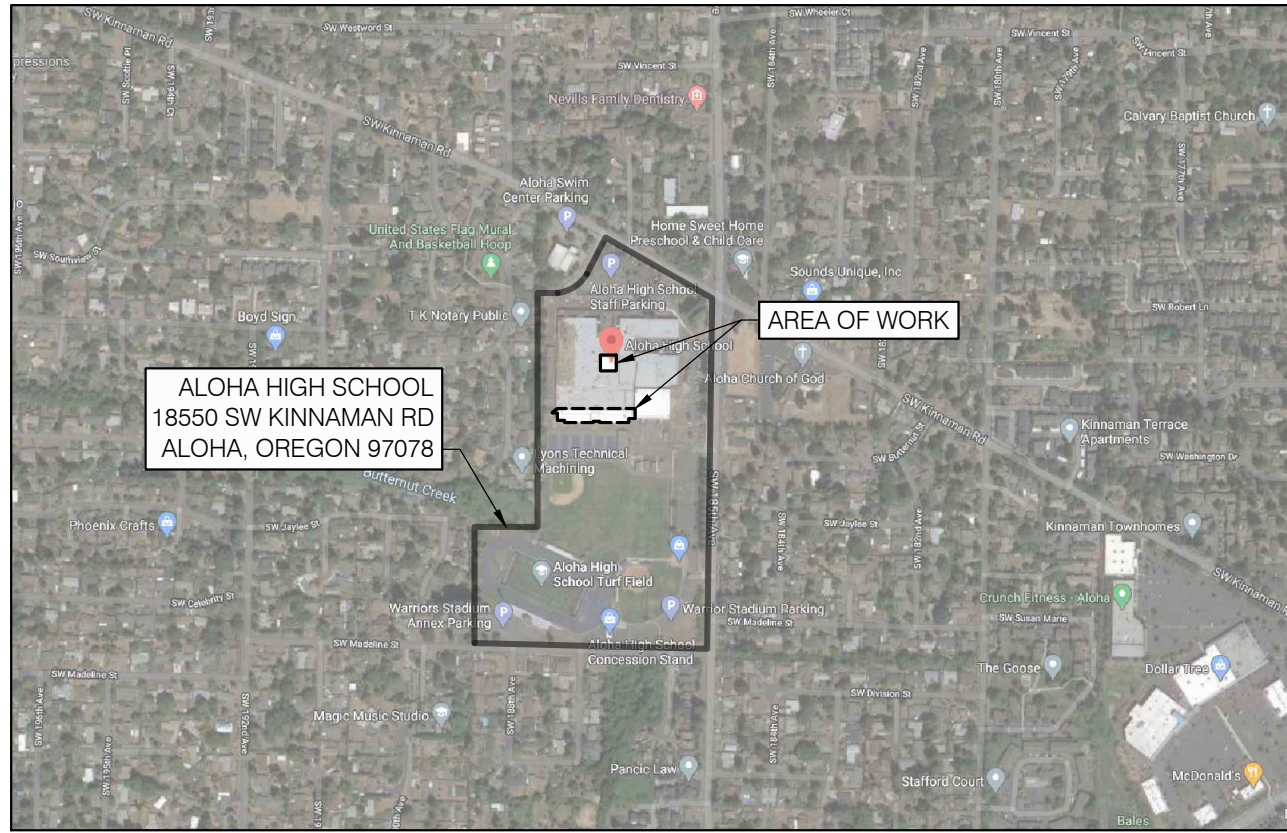


BEAVERTON SCHOOL DISTRICT - ALOHA HIGH SCHOOL - PARTIAL ROOF REPLACEMENT

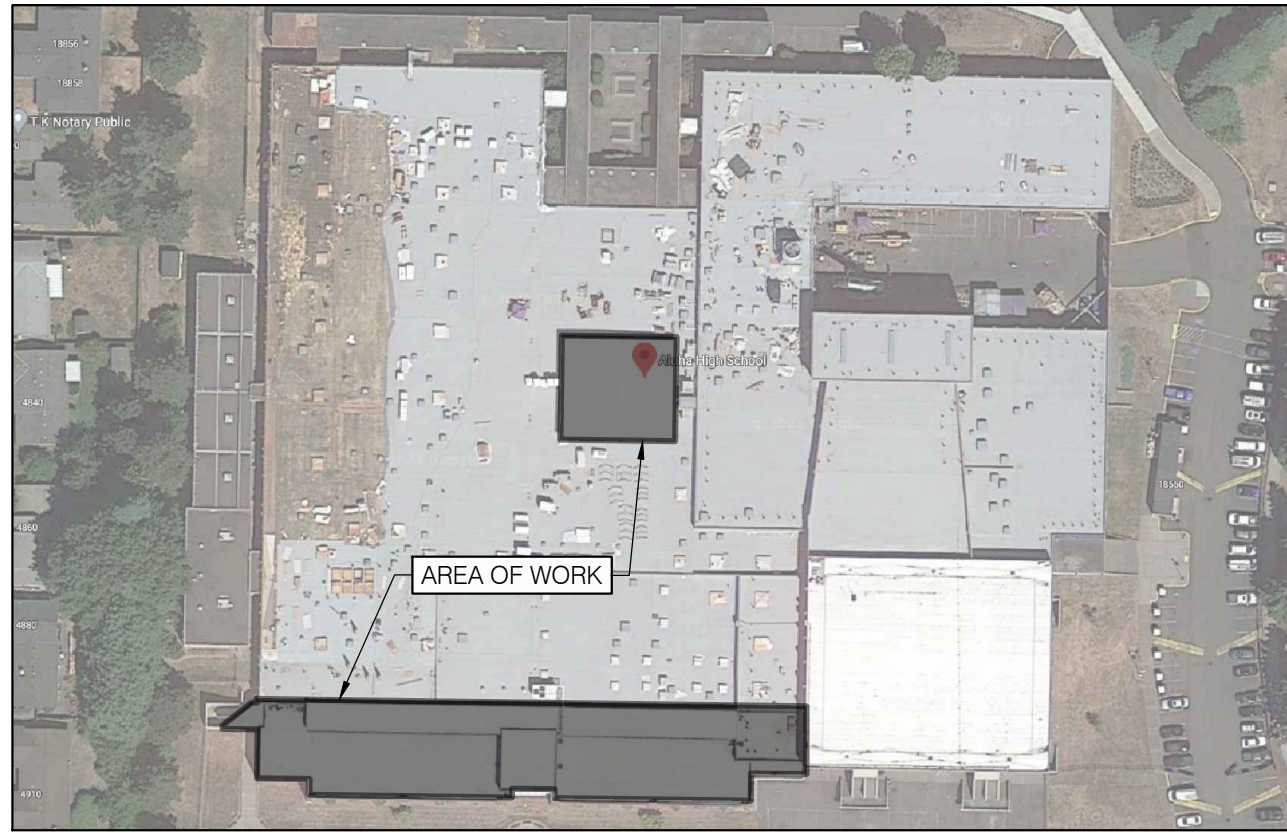
SITE MAPS



1 LOCATION MAP
GI-1 SCALE: NTS



2 VICINITY MAP
GI-1 SCALE: NTS



3 CAMPUS PLAN
GI-1 SCALE: NTS

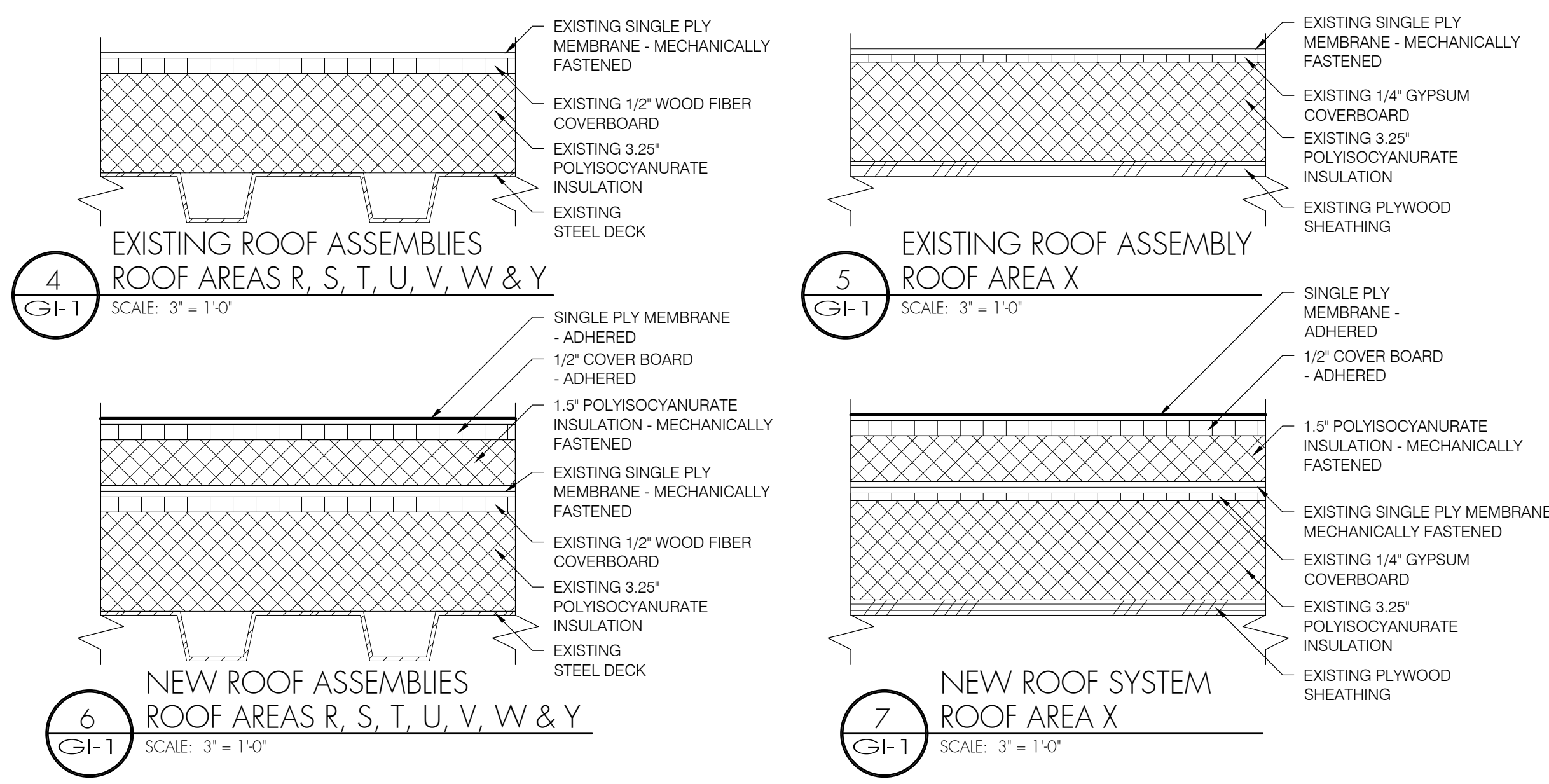
DRAWING SCHEDULE

GI-1	GENERAL INFORMATION
R100	ROOF PLANS - EAST
R200	DETAILS
R201	DETAILS
R202	DETAILS
S100	GENERAL STRUCTURAL NOTES AND FALL PROTECTION STRUCTURAL NOTES
S101	ROOF PLAN WIND LOAD DIAGRAM
S201	STRUCTURAL DETAILS

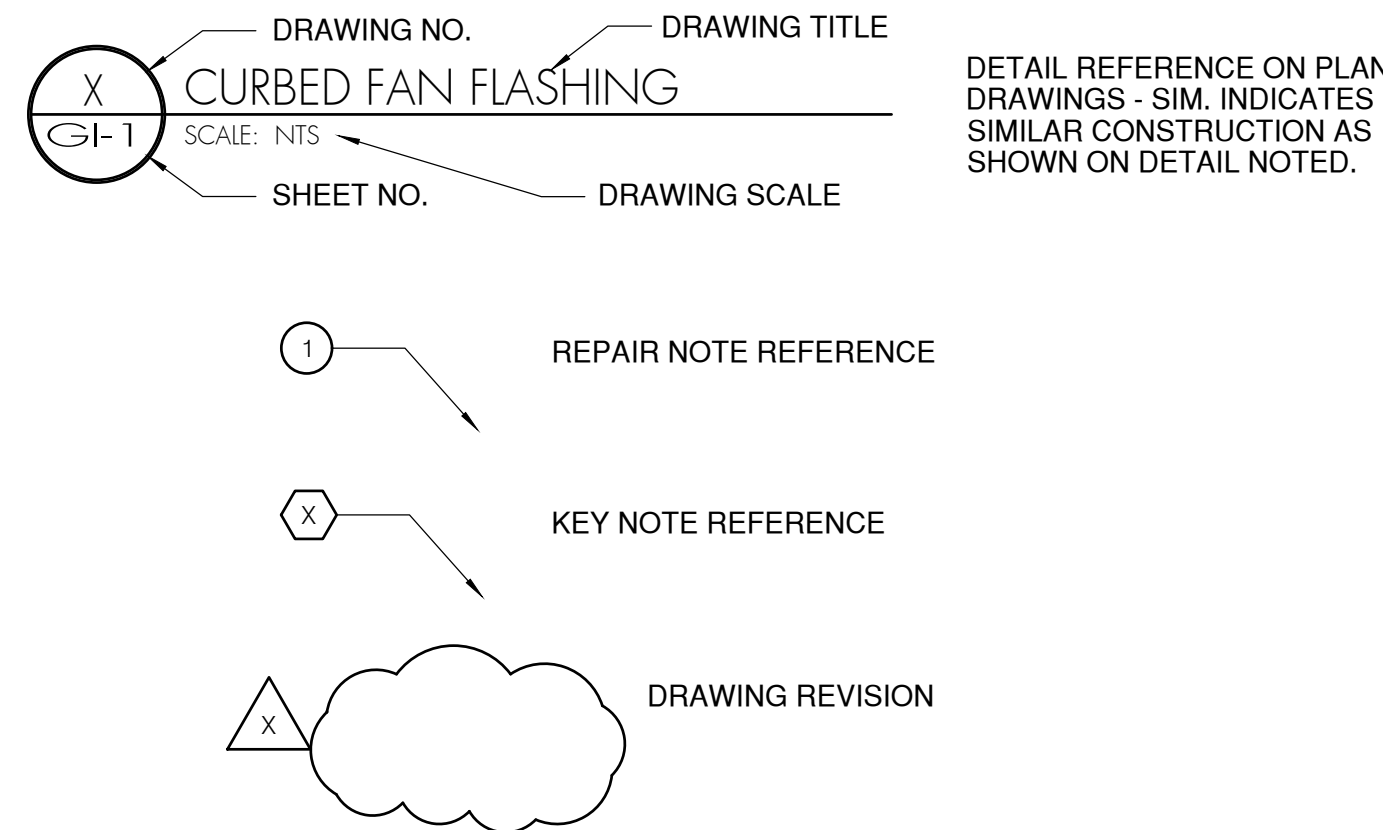
GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS OF THE PROJECT, INCLUDING VERIFICATION OF EXISTING ROOF SYSTEM CONSTRUCTION AND MATERIALS.
- 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.
- 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.
- EXISTING MATERIALS AND CONSTRUCTION ARE NOTED ON THE DRAWINGS AS EXISTING OR EXIST. ALL OTHER NOTATIONS INDICATE NEW MATERIALS, PRODUCTS, AND CONSTRUCTION UNLESS OTHERWISE STATED OR INDICATED.
- ALL CONSTRUCTION SHALL CONFORM TO THE 2019 OREGON STRUCTURAL SPECIALTY CODE, 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.
- THIS PROJECT INCLUDES A SINGLE BASE BID AND TWO ADDITIVE ALTERNATE SCOPES OF WORK. THE SCOPE OF WORK DOES NOT INCLUDE ANY INCREASE IN AREA OR CHANGES IN OCCUPANCY.
- BASE BID: INCLUDES BUT IS NOT LIMITED TO RECOVERING EIGHT (8) INDIVIDUAL ROOF AREAS IDENTIFIED AS AREAS R, S, T, U, V, W, X, AND Y WITH AN ADHERED PVC ROOF ASSEMBLY AND RELATED SHEET METAL FLASHINGS.
 - ALTERNATE BID NO. 1: INCLUDES BUT IS NOT LIMITED TO INSTALLING FIXED ACCESS LADDER FOR AREA X.
 - ALTERNATE BID NO. 2: INCLUDES BUT IS NOT LIMITED TO INSTALLING THREE (3) FALL PROTECTION ANCHORS ON AREA X.
- SCOPE OF WORK CONSISTS OF THIS DRAWING SET AND SPECIFICATION SECTIONS INDICATED ON THIS SHEET.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT BUILDING OCCUPANTS AND PASSERS-BY FROM FALLING DEBRIS OR EQUIPMENT. DO NOT THROW MATERIALS FROM THE ROOF.
- ROOF ACCESS BY MEANS OF EXTERNAL LADDER OR STAIR TOWER.

ROOF SYSTEM ASSEMBLIES



DRAWING SYMBOLS



PROJECT TEAM

OWNER

Beaverton School District
16550 SW Merlo Road,
Beaverton, Oregon 97003
tel: (503) 356-4452
Contact: Kurt Meeuwsen,
Construction Project Manager



ROOF CONSULTANT

Professional Roof Consultants, Inc.
1108 SE Grand Ave., Suite 300
Portland, Oregon 97214
tel: (503) 280-8759
fax: (503) 280-8866
Contact: Derek Josephson, RRC, RRO, REWO



STRUCTURAL CONSULTANT

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



BEAVERTON SCHOOL DISTRICT
ALOHA HIGH SCHOOL
PARTIAL ROOF REPLACEMENT

SHEET TITLE:
GENERAL INFORMATION

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Date: APRIL 2021
Revisions:

Drawn: C.G.
Check: D.E.J.
File: GHGen_Info
Job: R3055.24

SHEET NUMBER:
GI-1

BID SET

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**BEAVERTON SCHOOL DISTRICT
ALOHA HIGH SCHOOL
PARTIAL ROOF REPLACEMENT**

SHEET TITLE:
ROOF PLAN

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


























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Revisions:

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File: R100-Roof_Plans
Job: R3055.24

SHEET NUMBER:
R100

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LEGEND

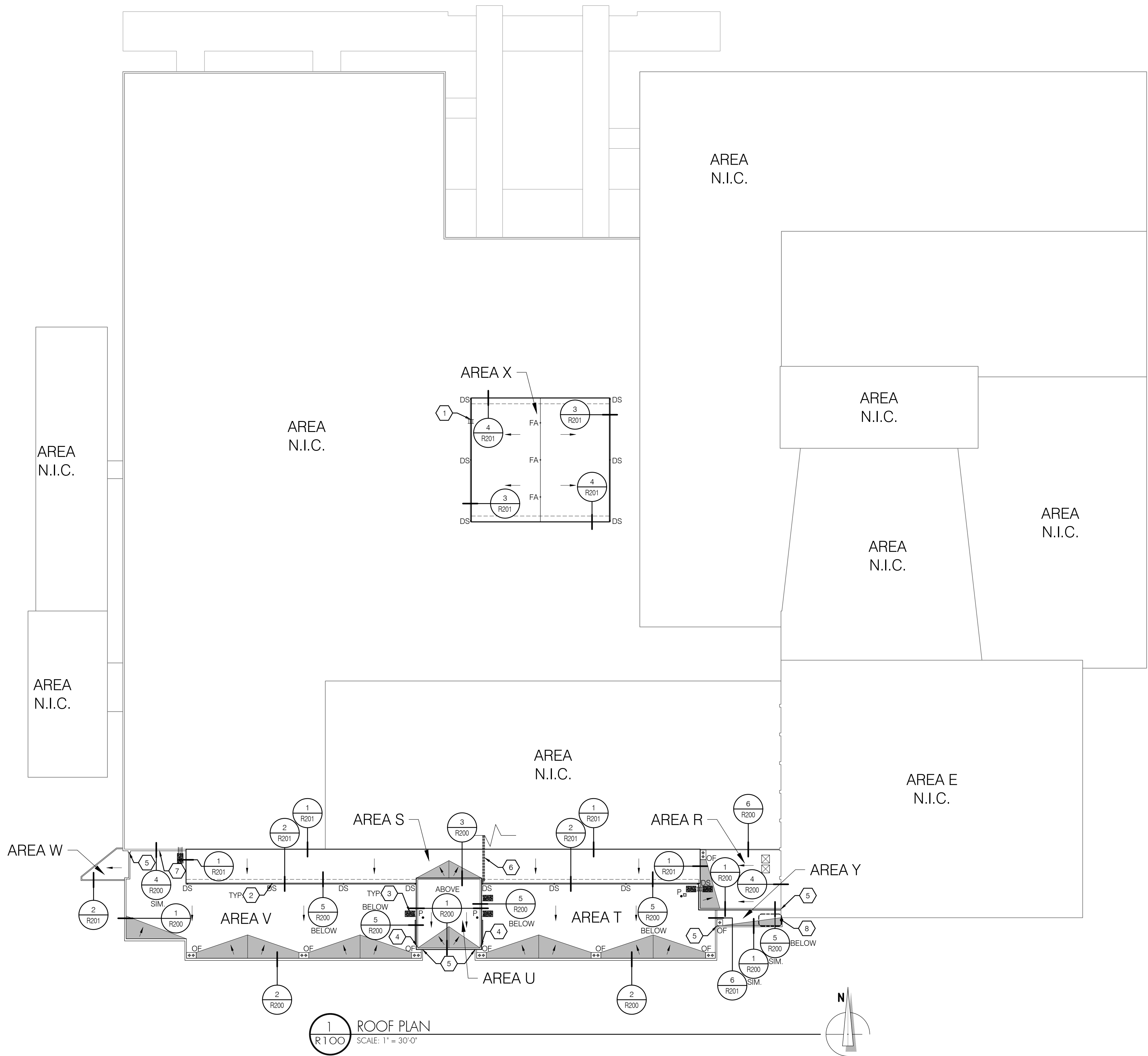
- | | | |
|---|---|--|
|  | P• | EXISTING VENT PIPE PENETRATION |
|  |  | EXISTING CURBED FAN UNIT |
|  |  | EXISTING INTERIOR ROOF DRAIN WITH OVERFLOW DRAIN - REFERENCE ROOF PLAN FOR ORIENTATION |
|  |  | EXISTING ROOF DRAIN & OVERFLOW SCUPPER |
|  |  | EXISTING GUTTER DOWNSPOUT |
|  |  | EXISTING ROOF ACCESS LADDER |
|  |  | WALK PADS |
|  |  | EXISTING CURBED VENT |
|  |  | EXISTING ACCESS DOOR |
|  |  | EXISTING LOUVER VENT |
|  |  | EXISTING CONDUIT OVER ROOF |
|  |  | INDICATES DIRECTION OF EXISTING ROOF SLOPE |
|  |  | EXISTING CRICKET |
|  |  | FALL PROTECTION ANCHOR |

GENERAL NOTES

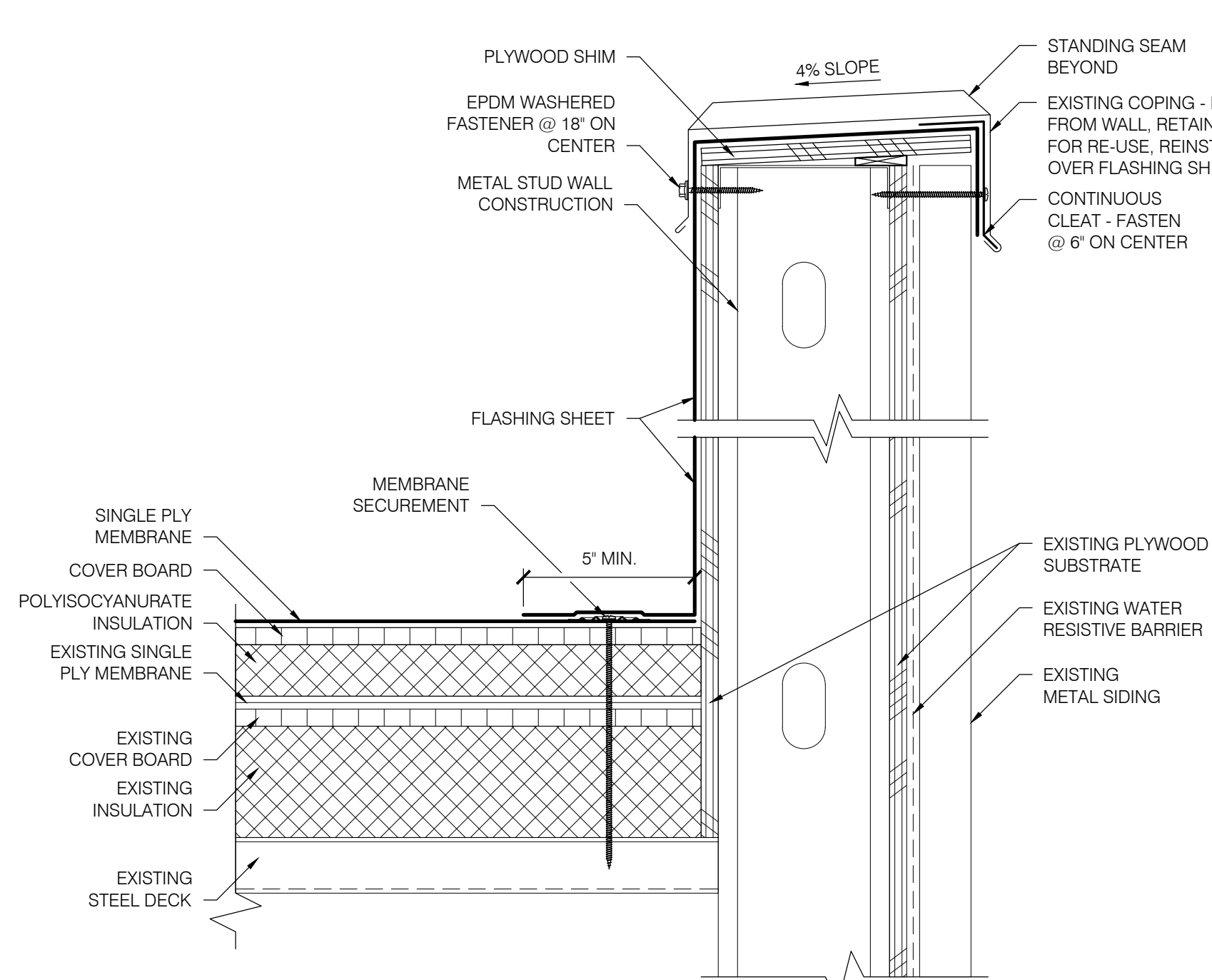
- ALL ITEMS TRANSPORTED TO ROOF SHALL BE TRANSPORTED USING APPROVED AND SAFE METHODS OF LOADING.
- CONTRACTOR SHALL EMPLOY MEANS OF PROTECTING BUILDING OCCUPANTS AND GENERAL PUBLIC AT ALL TIMES DURING THE COURSE OF CONSTRUCTION.
- TEMPORARY STAGING, SCAFFOLDING, AND RUNWAYS SHALL BE ALLOWED IN DESIGNATED LOCATIONS ONLY.
- ALL PERMITTING, INCLUDING ROAD CLOSURES, PARKING STALLS, SIDEWALK CLOSURES, SCAFFOLD ERECTION, ETC. SHALL BE COORDINATED, OBTAINED, AND PAID FOR BY CONTRACTOR.
- CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION WALKWAYS OVER EXISTING ADJACENT ROOF AREAS NOT IN CONTRACT AND CONFINE CONSTRUCTION TRAFFIC TO DESIGNATED WALKWAYS ONLY.
- LIMIT CONSTRUCTION TRAFFIC ON ALL ADJACENT ROOF AREAS. TRAVERSE AREAS ONLY TO ACCESS AREA X AND PERFORM SPECIFIED SCOPE OF WORK.

KEY NOTES

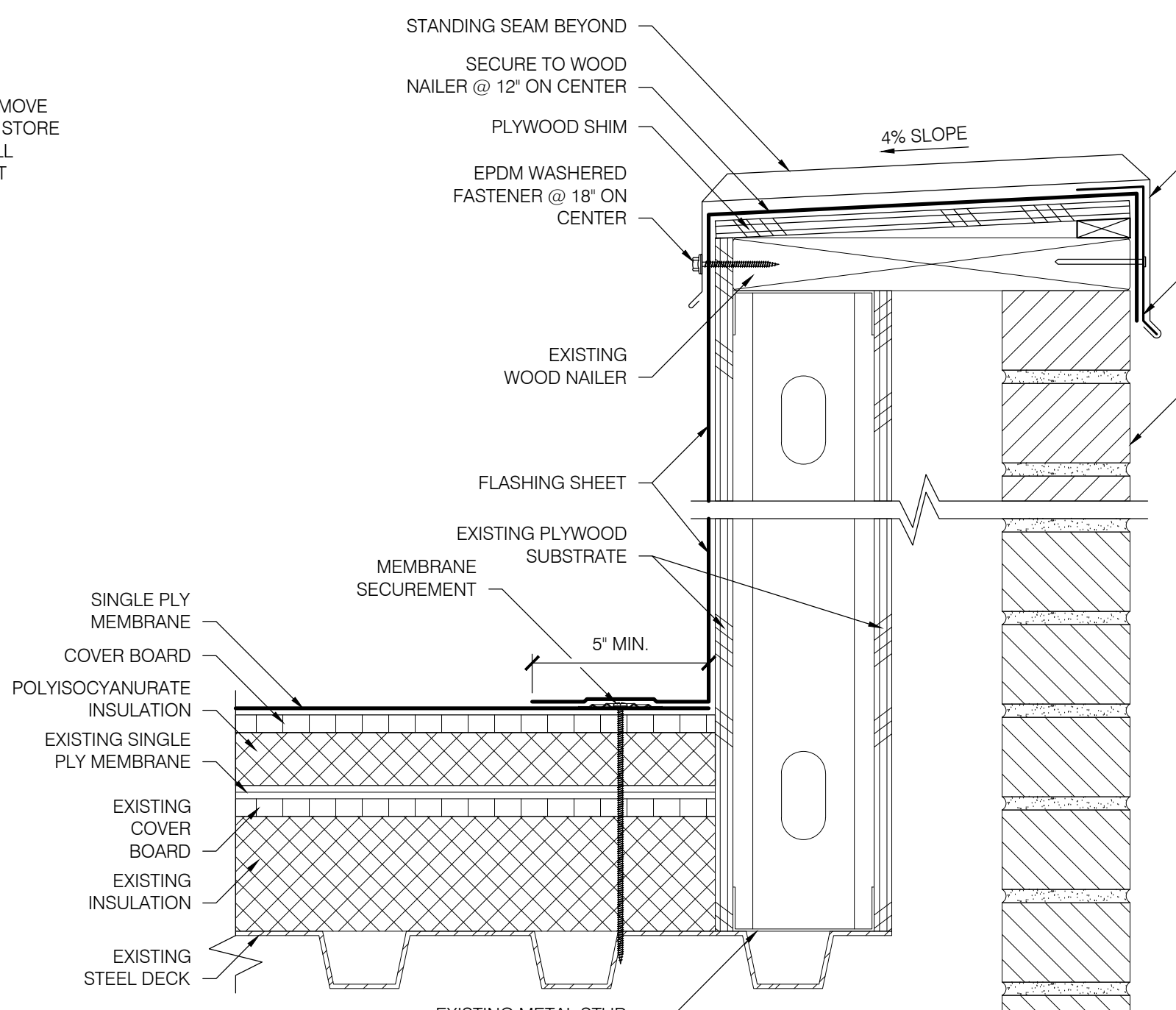
- INSTALL ACCESS LADDER AS SPECIFIED ON THE STRUCTURAL DRAWINGS. REFERENCE DETAIL 4/R202 FOR FLASHING REQUIREMENTS.
- INSTALL SINGLE WIDTH OF WALKPAD AT THE BASE OF ALL DOWNSPOUTS - TYPICAL OF 14 LOCATIONS.
- REMOVE EXISTING WALKPADS AT ALL DOORS AND LADDER LOCATIONS PRIOR TO INSTALLING NEW ROOF ASSEMBLY. INSTALL NEW, SINGLE WIDTH OF MANUFACTURERS WALKPAD AT SAME LOCATION OVER FINISHED ROOF ASSEMBLY - TYPICAL OF 6 LOCATIONS.
- MODIFY WIDTH OF SCUPPER OPENING TO NET 12" CLEAR - REFERENCE DETAIL 6/R202 FOR SIMILAR CONDITION.
- INSTALL FULLY SOLDERED, STAINLESS STEEL SADDLE FLASHING AT PARAPET WALL INTERFACE. REMOVE EXISTING ADJACENT SIDING AS REQUIRED TO INCORPORATE SADDLE INTO EXISTING WRB. WEATHER LAP ALL FLASHINGS AND RE-INSTALL SIDING OVER VERTICAL FLANGE OF SADDLE FLASHING.
- MODIFY EXISTING UTILITY LINE SUPPORTS AND RAISE CONDUIT AS REQUIRED TO ACCOMMODATE HEIGHT OF NEW ROOF ASSEMBLY.
- INFILL ABANDONED SCUPPER OPENING WITH MINERAL WOOL INSULATION. INSTALL SHEET METAL COVER WITH HEMMED EDGES, EXTENDING 2" BEYOND OPENING ON ALL SIDES. SECURE COVER WITH EPDM WASHERED FASTENERS AT 6" ON-CENTER (MIN. 2 PER SIDE).
- REMOVE EXISTING ROOF MEMBRANE AND WARPED INSULATION. REPLACE INSULATION TO MATCH SURROUNDING.



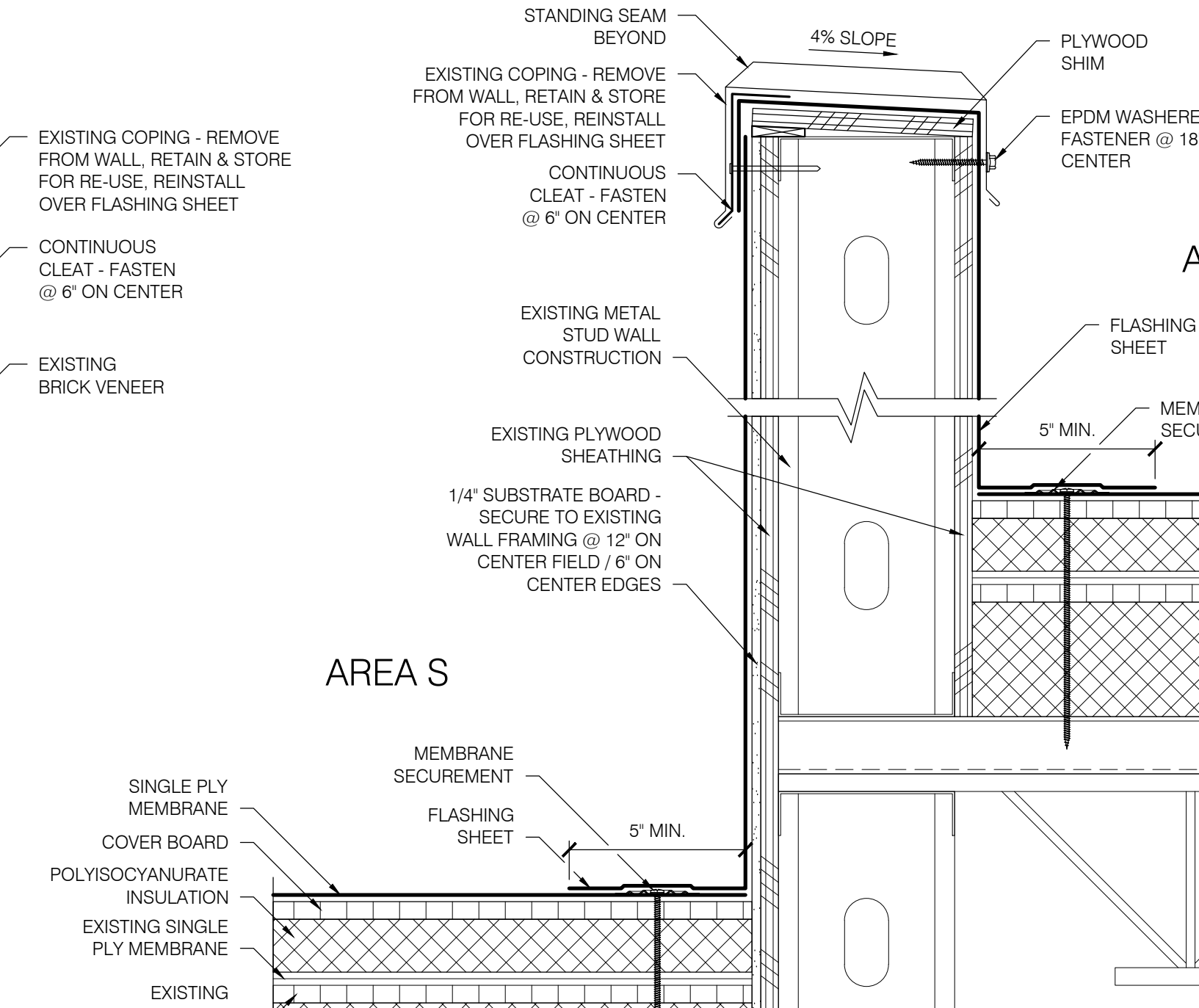
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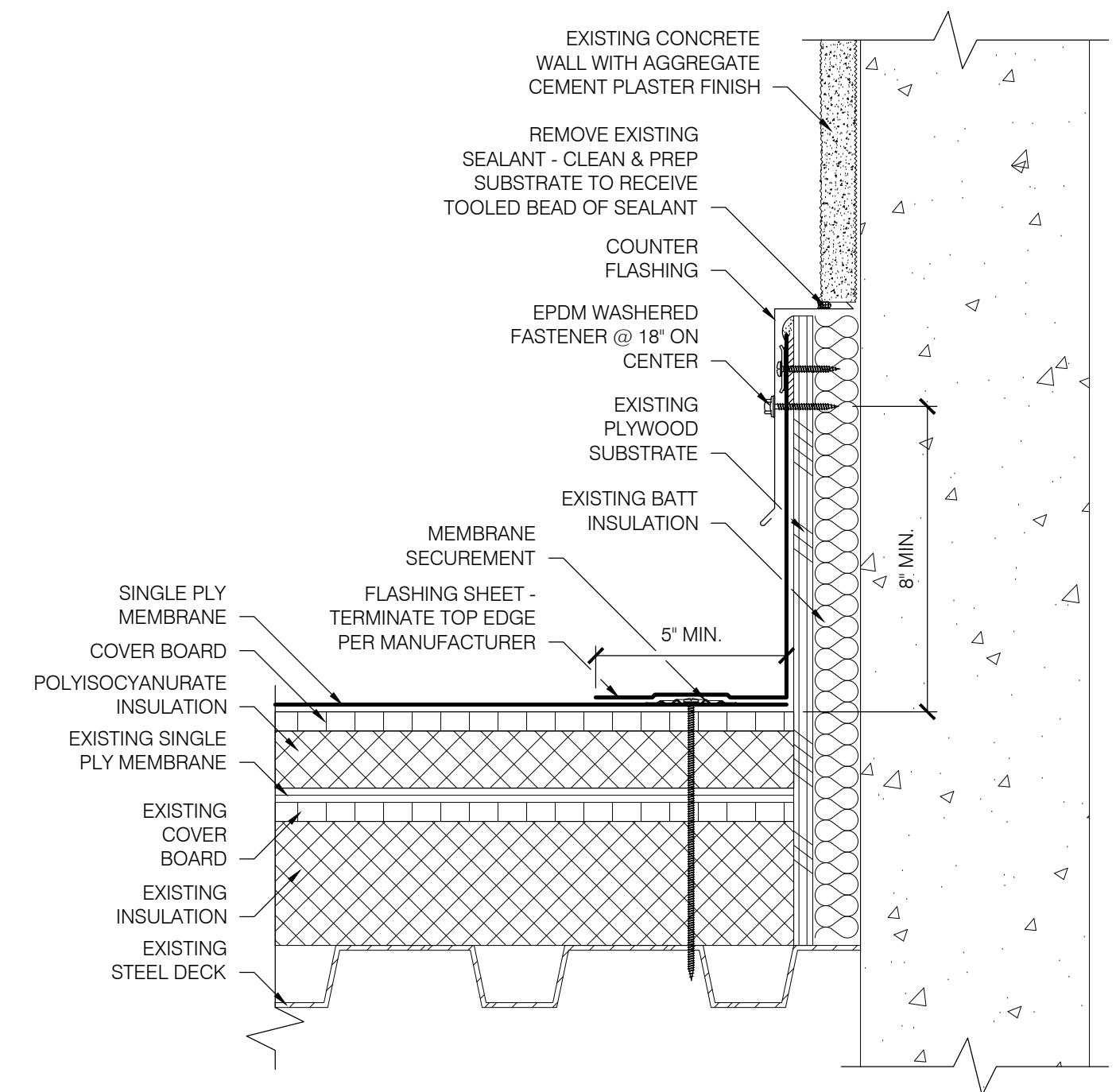
1
R200
PARAPET FLASHING
SCALE: 3" = 1'-0"



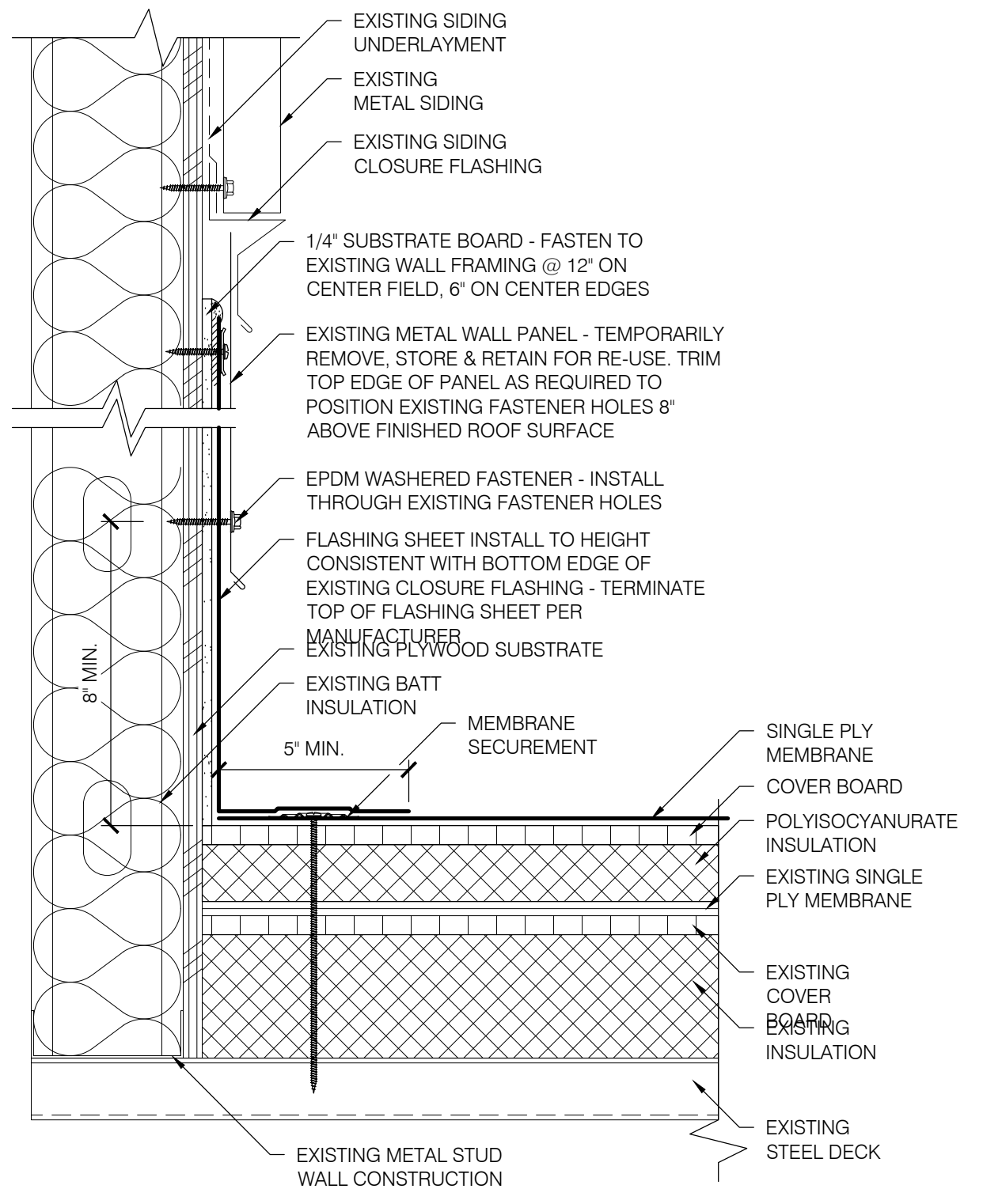
2
R200
PARAPET FLASHING
SCALE: 3" = 1'-0"



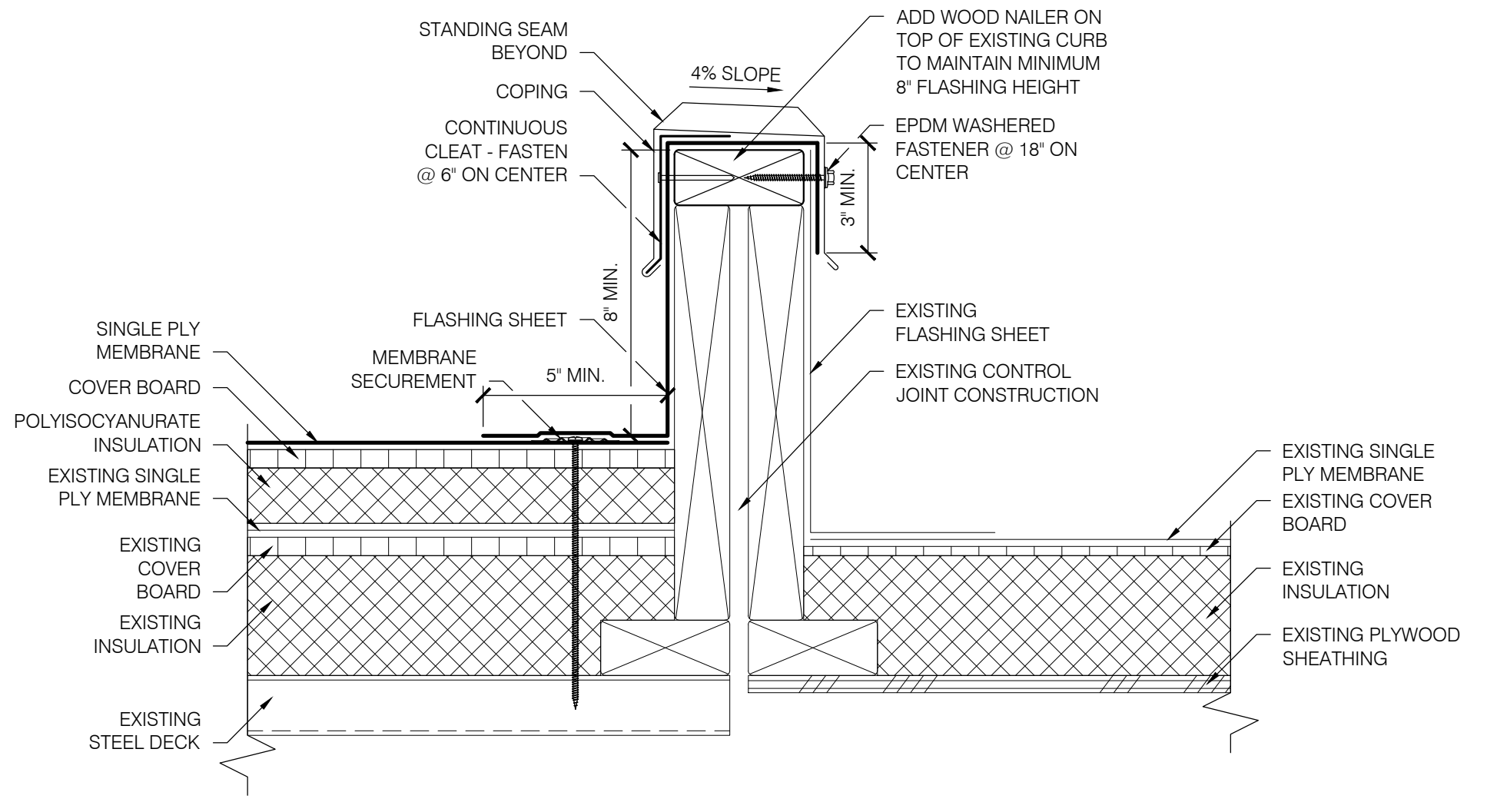
3
R200
PARAPET WALL FLASHING
SCALE: 3" = 1'-0"



4
R200
BASE FLASHING
SCALE: 3" = 1'-0"



5
R200
BASE FLASHING
SCALE: 3" = 1'-0"



6
R200
CONTROL JOINT FLASHING
SCALE: 3" = 1'-0"

**BEAVERTON SCHOOL DISTRICT
ALOHA HIGH SCHOOL
PARTIAL ROOF REPLACEMENT**

SHEET TITLE:
DETAILS
REVISIONS:

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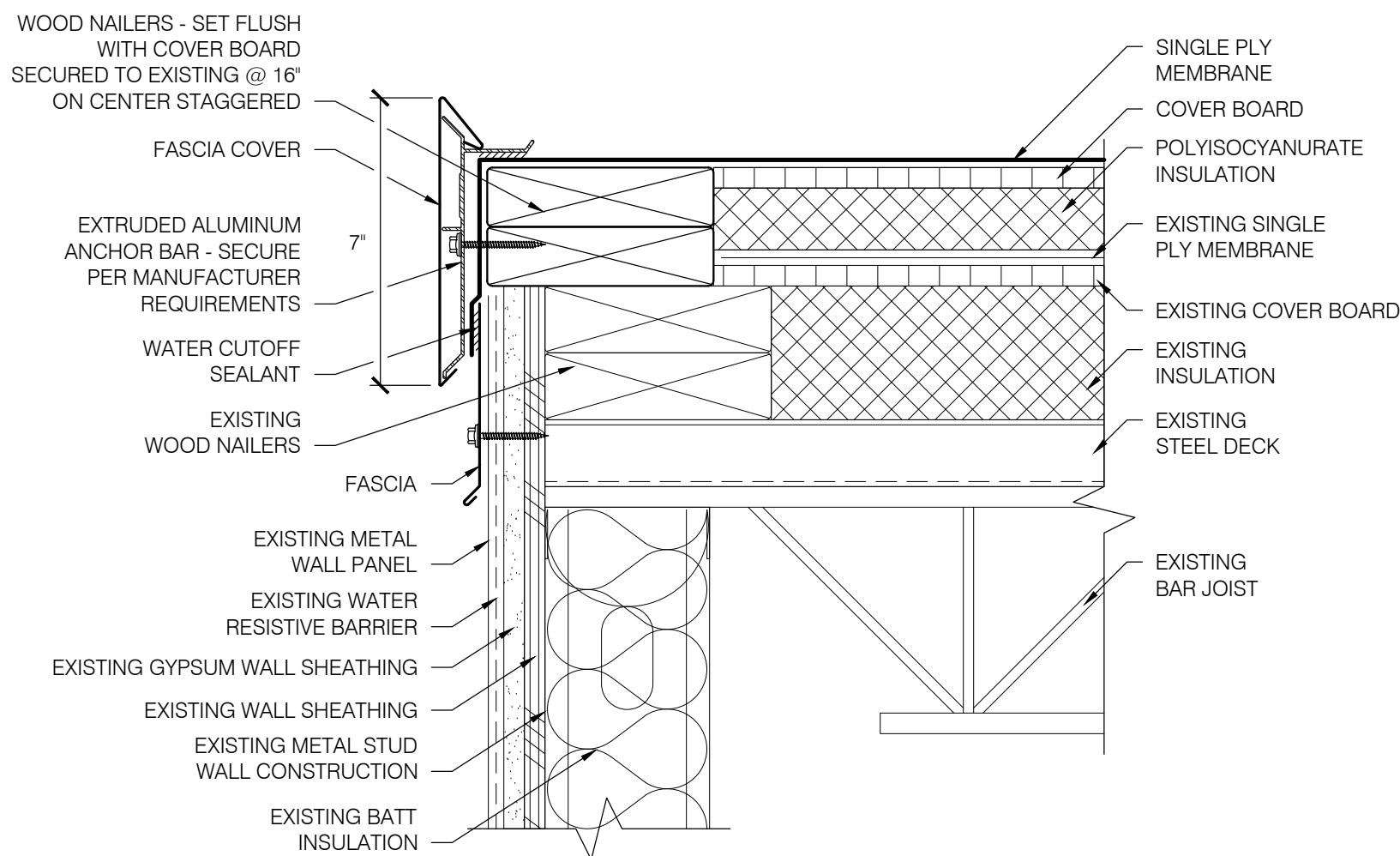
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Date: APRIL 2021
Revisions:

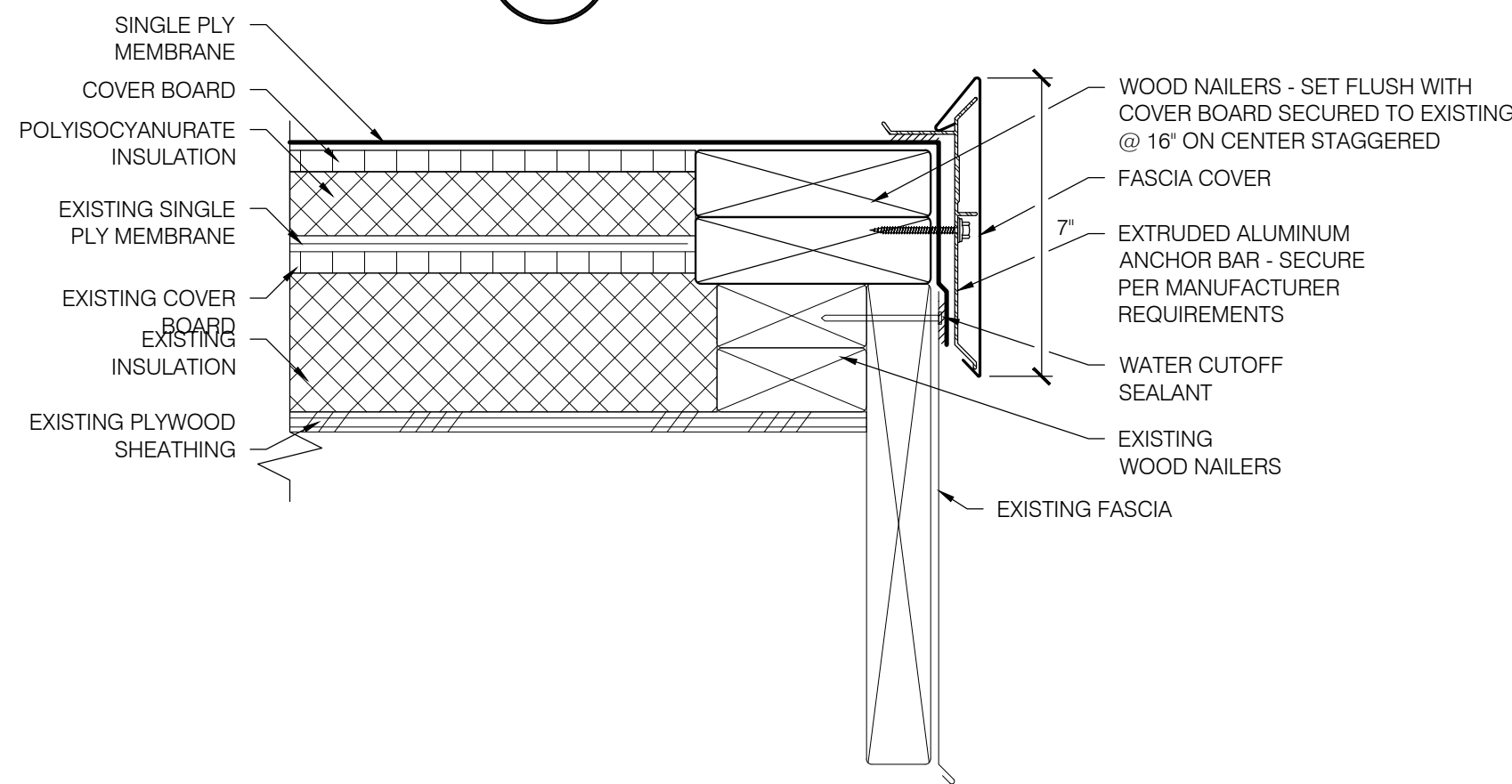
Drawn: C.G.
Check: D.E.J.
File: R200-Details
Job: R3055.24

SHEET NUMBER:
R200

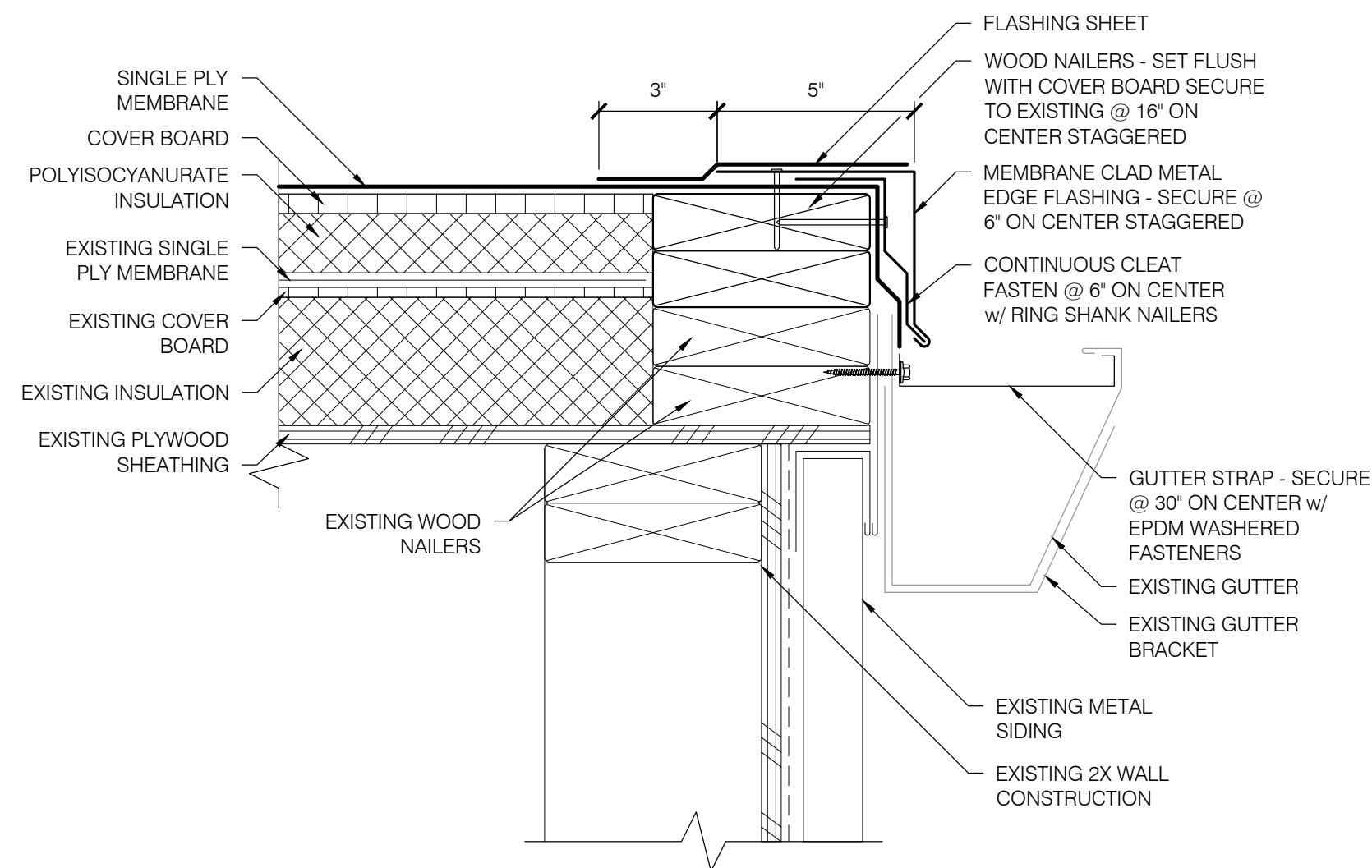
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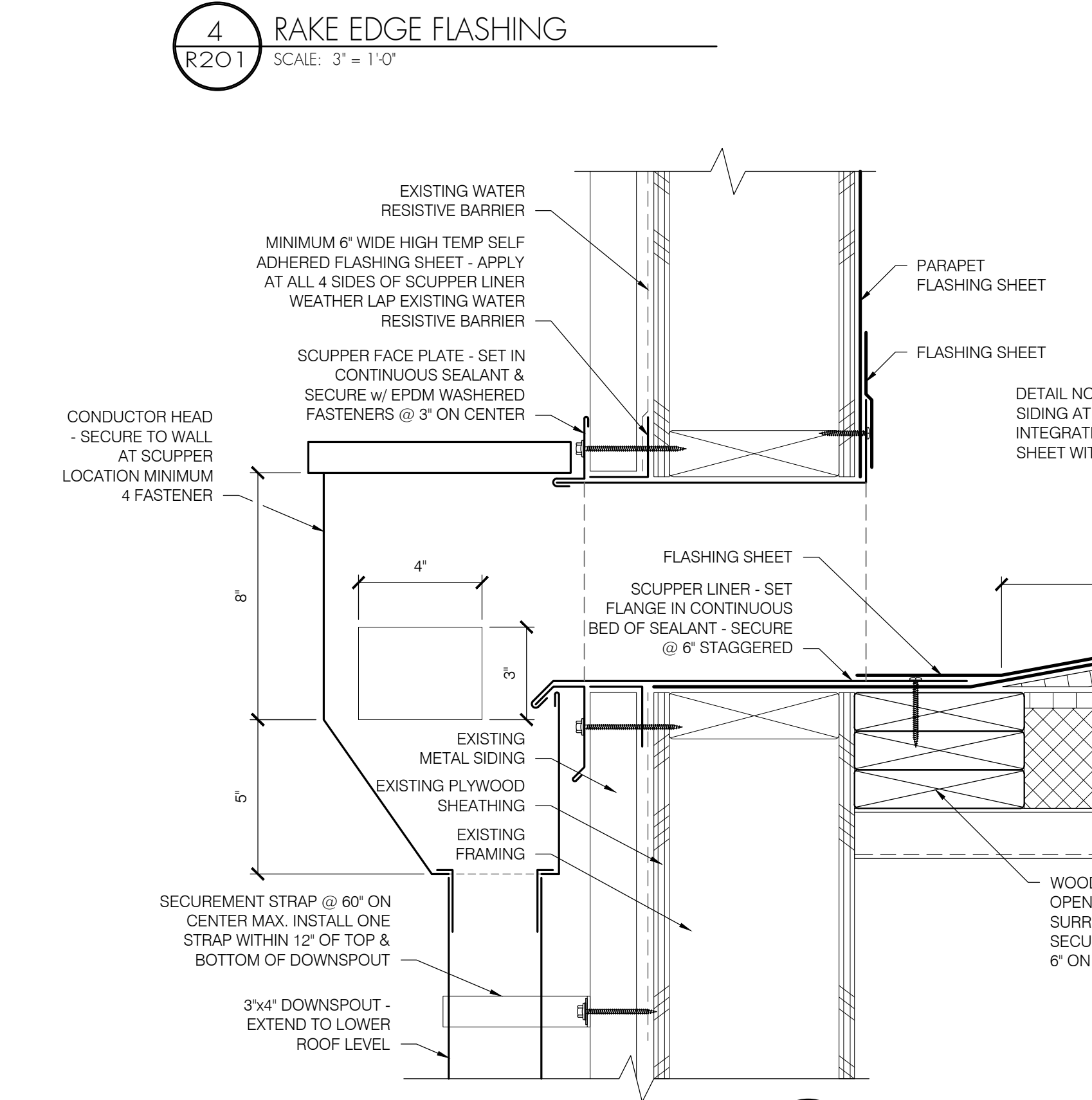
1
R201
EDGE FLASHING
SCALE: 3" = 1'-0"



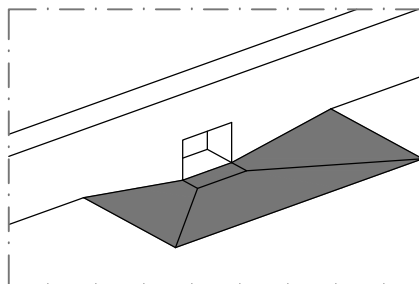
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R201
GUTTER EDGE FLASHING
SCALE: 3" = 1'-0"



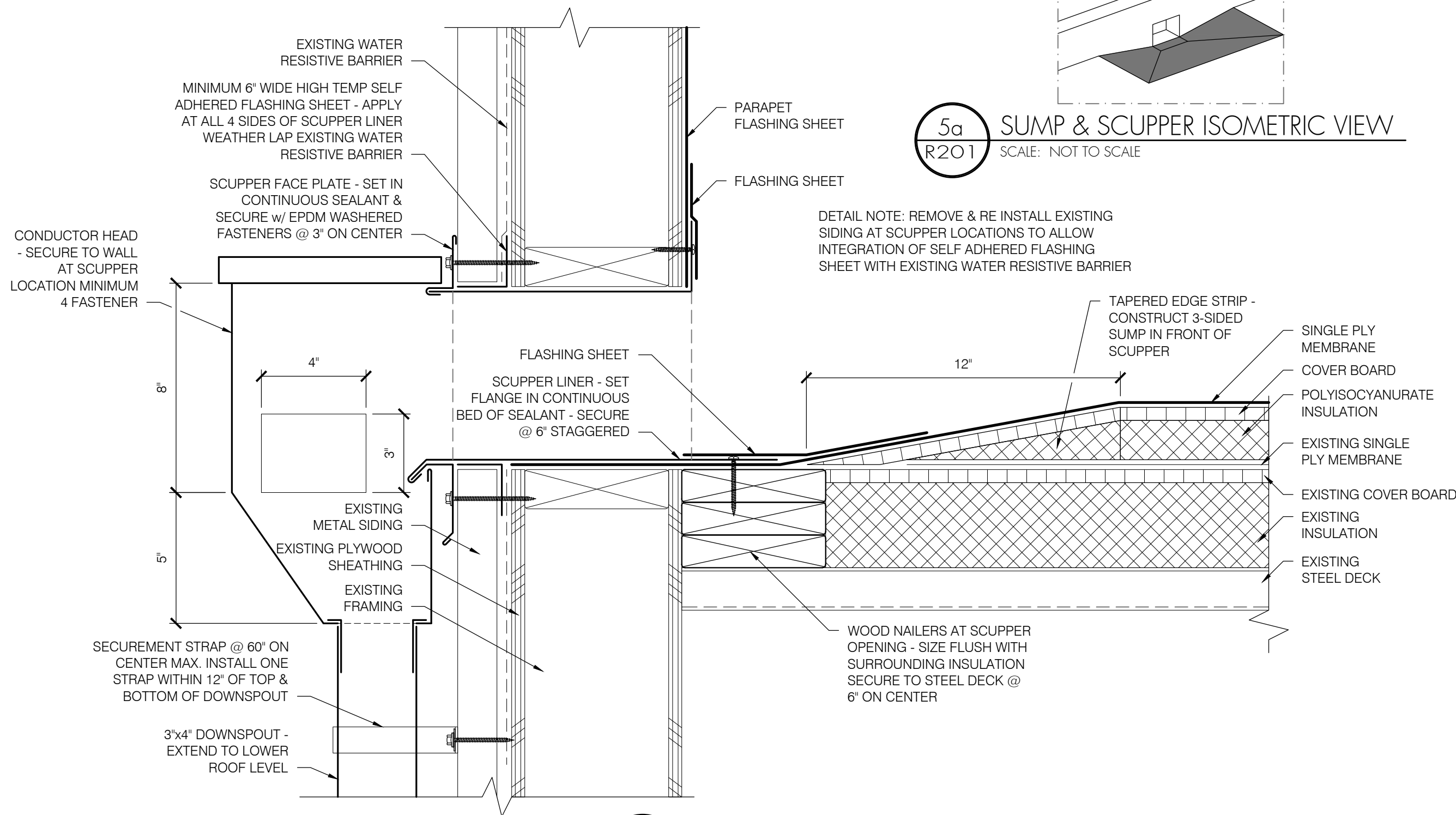
3
R201
GUTTER EDGE FLASHING
SCALE: 3" = 1'-0"



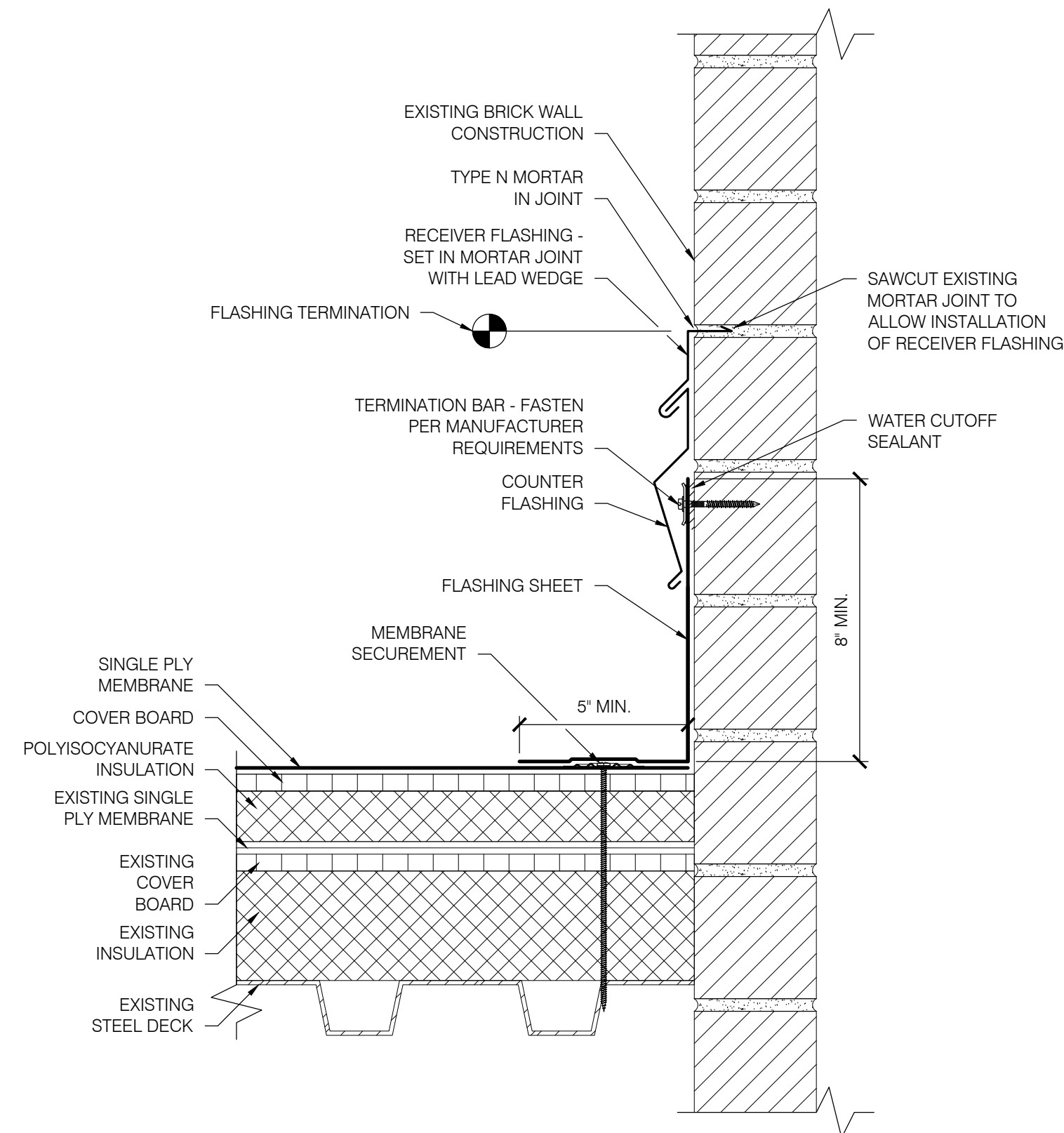
4
R201
RAKE EDGE FLASHING
SCALE: 3" = 1'-0"



5a
R201
SUMP & SCUPPER ISOMETRIC VIEW
SCALE: NOT TO SCALE



5
R201
SCUPPER FLASHING
SCALE: 3" = 1'-0"



6
R201
BASE FLASHING AT MASONRY WALL
SCALE: 3" = 1'-0"

**BEAVERTON SCHOOL DISTRICT
ALOHA HIGH SCHOOL
PARTIAL ROOF REPLACEMENT**

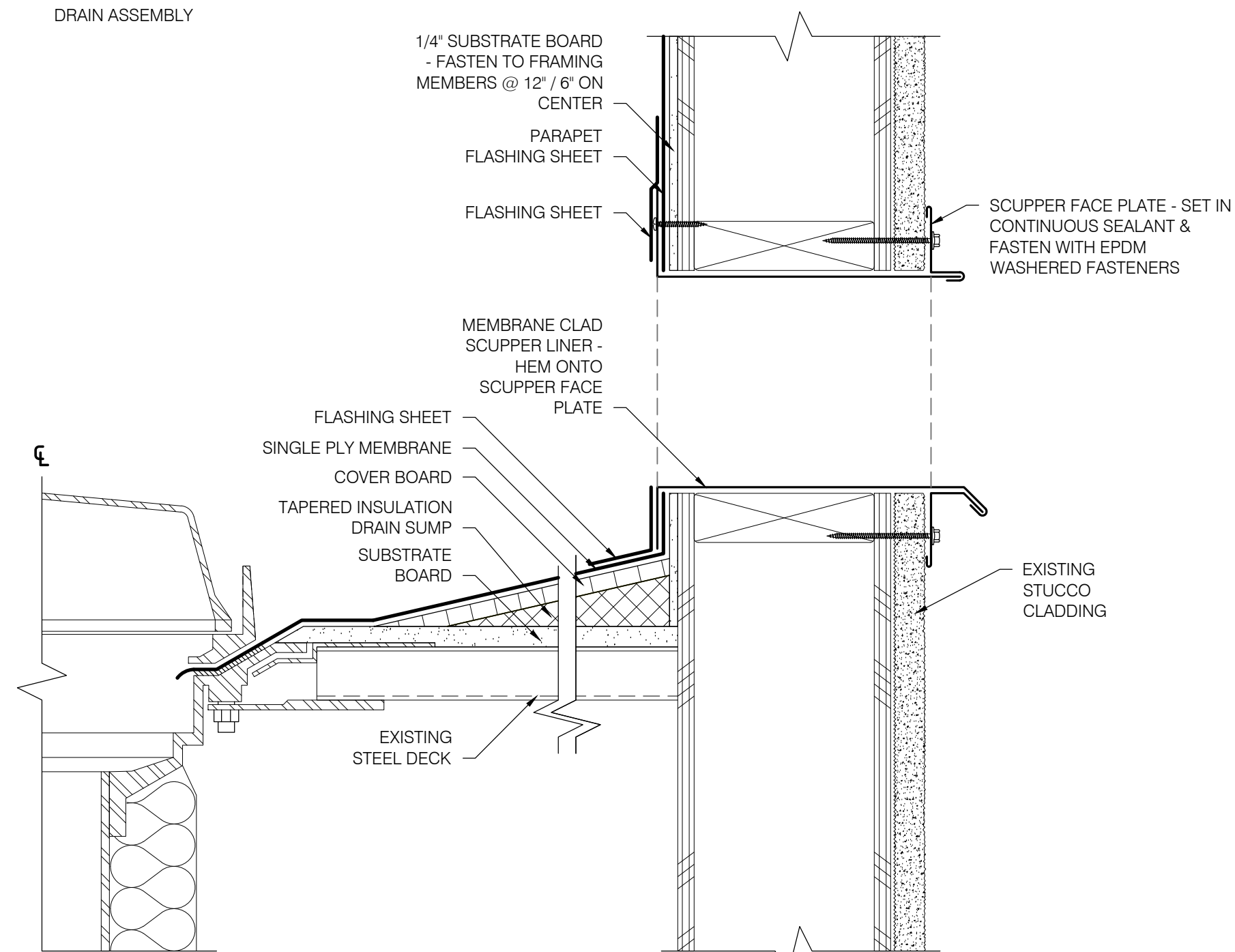
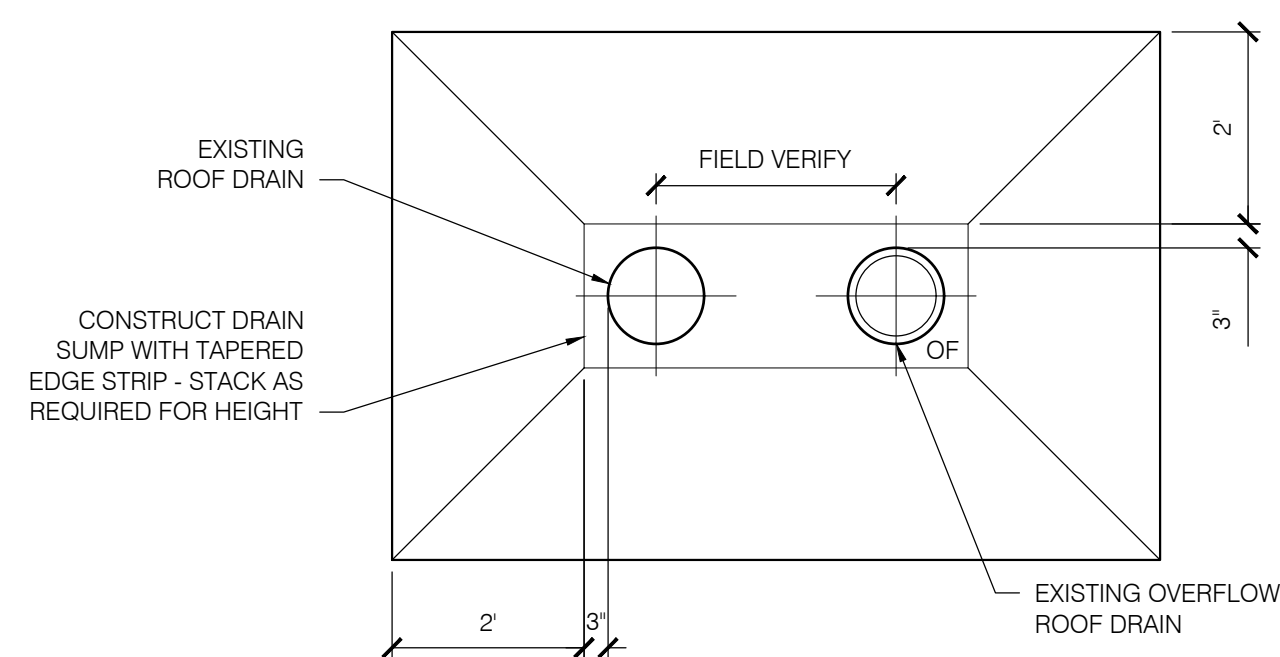
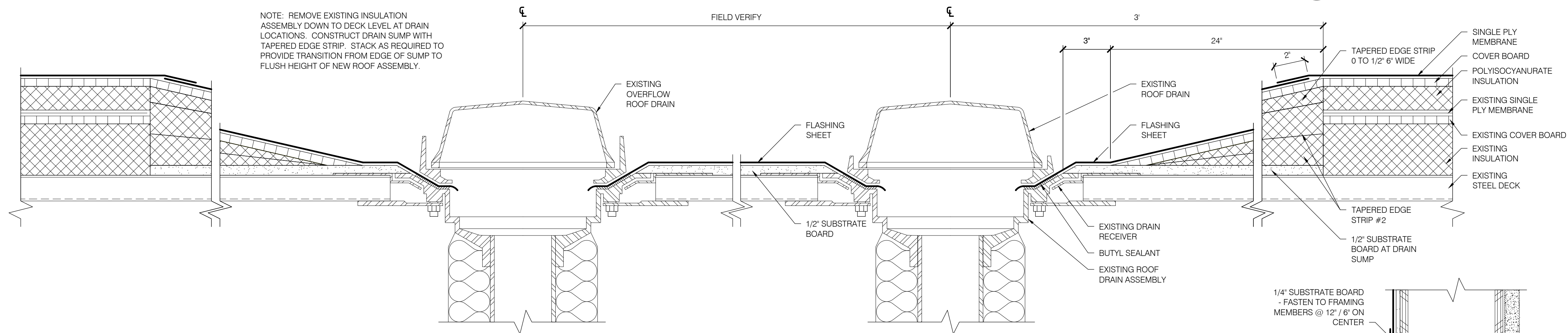
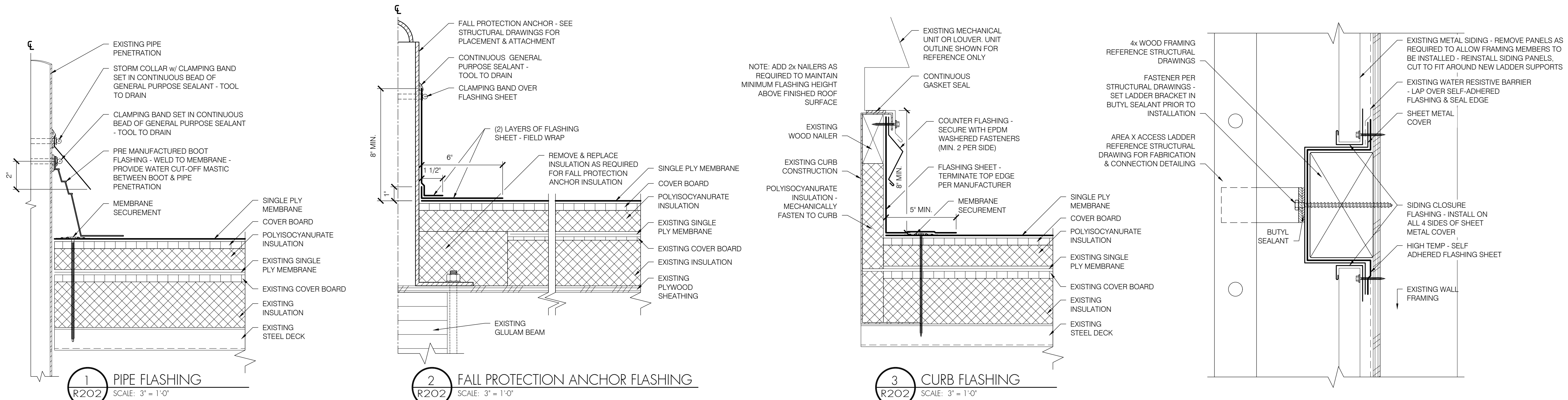
SHEET TITLE: _____

DETAILS: _____

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Date:	APRIL 2021
Revisions:	
Drawn:	C.G.
Check:	D.E.J.
File:	R200-Details
Job:	R3055.24



**BEAVERTON SCHOOL DISTRICT
ALOHA HIGH SCHOOL
PARTIAL ROOF REPLACEMENT**

SHEET TITLE:
DETAILS

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Date: APRIL 2021
Revisions:

Drawn: C.G.
Check: D.E.J.
File: R200-Details
Job: R3055.24

SHEET NUMBER:
R202

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

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:

BASIC WIND SPEED (3-SEC GUST, ULTIMATE): 103 MPH
BUILDING CATEGORY: III
WIND EXPOSURE: B

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.

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.

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER PRIOR TO FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS, INCLUDING THE FOLLOWING:

IF THE SHOP DRAWINGS DIFFER FROM, OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BE CLEARLY IDENTIFIED. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AND ARE SUBJECT TO REVIEW AND ACCEPTANCE BY THE ENGINEER.

CARPENTRY:
SAWN LUMBER DESIGN IS BASED ON THE NATIONAL DESIGN SPECIFICATION, LATEST EDITION. SAW

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.

<u>NAIL CALLOUT</u>	<u>DIAMETER</u>	<u>LENGTH</u>
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)

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.

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.

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:

- 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.

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.

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

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.

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 ANSI/ASSE Z359 AMERICAN NATIONAL STANDARD, CURRENT EDITION.

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 ANCHOR 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 5 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.

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

1. SINGLE POINT FALL ARREST ANCHORS - 'GUARDIAN CB18', OR EQUIVALENT APPROVED BY THE ENGINEER.

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.



BEAVERTON SCHOOL DISTRICT

ALOHA HIGH SCHOOL

PARTIAL ROOF REPLACEMENT

GENERAL STRUCTURAL NOTES
AND FALL PROTECTION
STRUCTURAL NOTES

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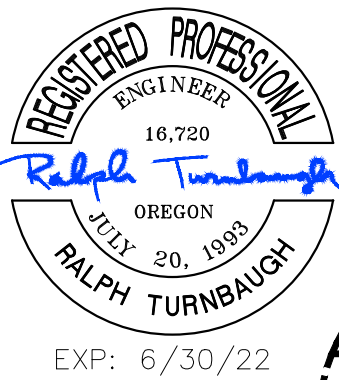


TMR Job: 21118

\$100

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BID SET

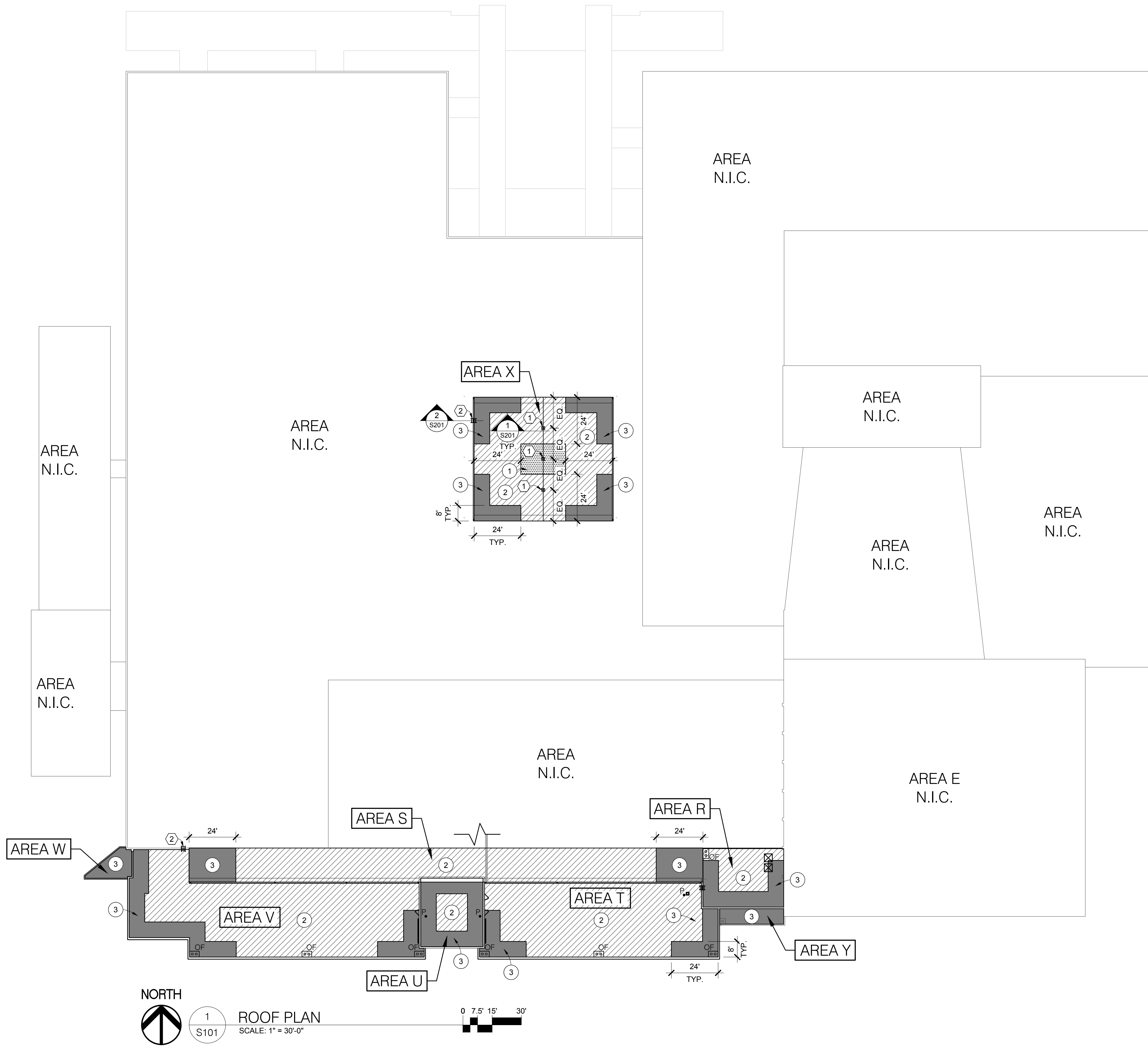


7650 SW Beavand, Suite 100
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Fax: (503) 443-3700

TMR
T.M. RIPPEY
CONSULTING ENGINEERS

**PROFESSIONAL
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CONSULTANTS INC.**
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PORTLAND, OREGON 97214
PH. 503 280 8759 FAX: 503 280 8866

**BEAVERTON SCHOOL DISTRICT
ALOHA HIGH SCHOOL
PARTIAL ROOF REPLACEMENT**



ROOF WIND UPLIFT LOADS

ROOF WIND UPLIFT (psf)			
ZONE 1	ZONE 2	ZONE 3	ZONE 4
19.0	33.0	43.6	59.4

- NOTES:**
- CODE: ASCE 7-16 CH. 30.
 - BASIC WIND SPEED (3-SEC. GUST) = 103 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:

1. FALL PROTECTION ANCHOR PER DETAIL 1/S201. (ALTERNATE BID #2)
2. NEW WALL MOUNTED LADDER PER DETAIL 2/S201. (ALTERNATE BID #1)

SHEET TITLE:
ROOF PLAN
WIND LOAD DIAGRAM

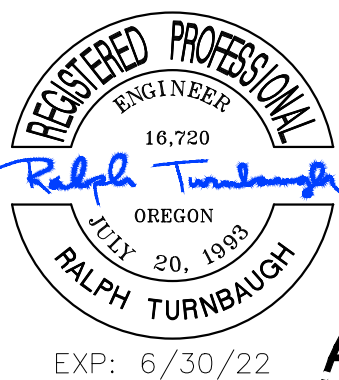
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THE BAR SCALE IS 2 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date: APRIL 2021
Revisions:
Drawn: JSC
Check: JH / RNT
File:
TMR Job: 21118

BID SET

SHEET NUMBER:
S101



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T.M. RIPPEY
CONSULTING ENGINEERS

BID SET



BEAVERTON SCHOOL DISTRICT ALOHA HIGH SCHOOL PARTIAL ROOF REPLACEMENT

SHEET TITLE:
STRUCTURAL DETAILS

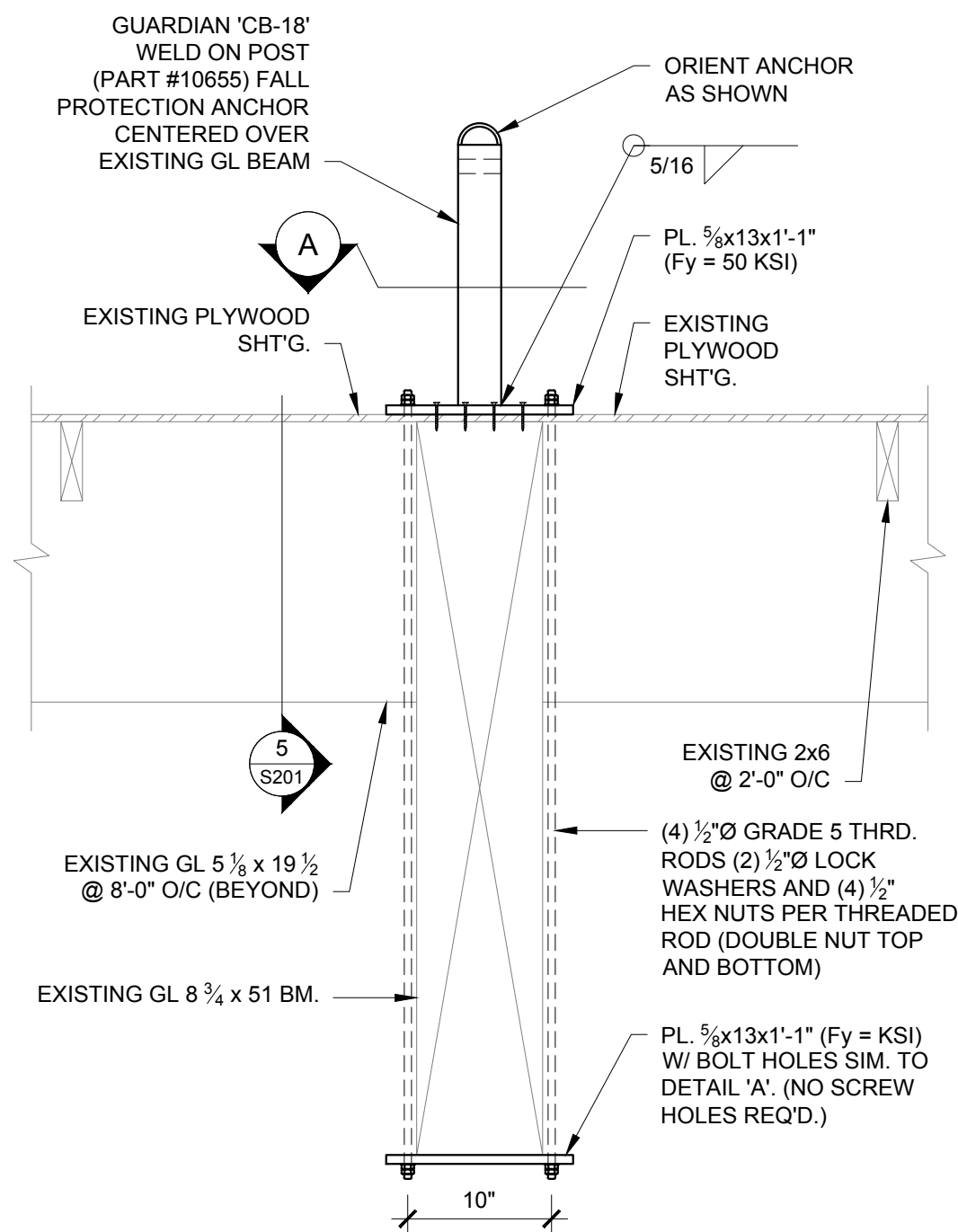
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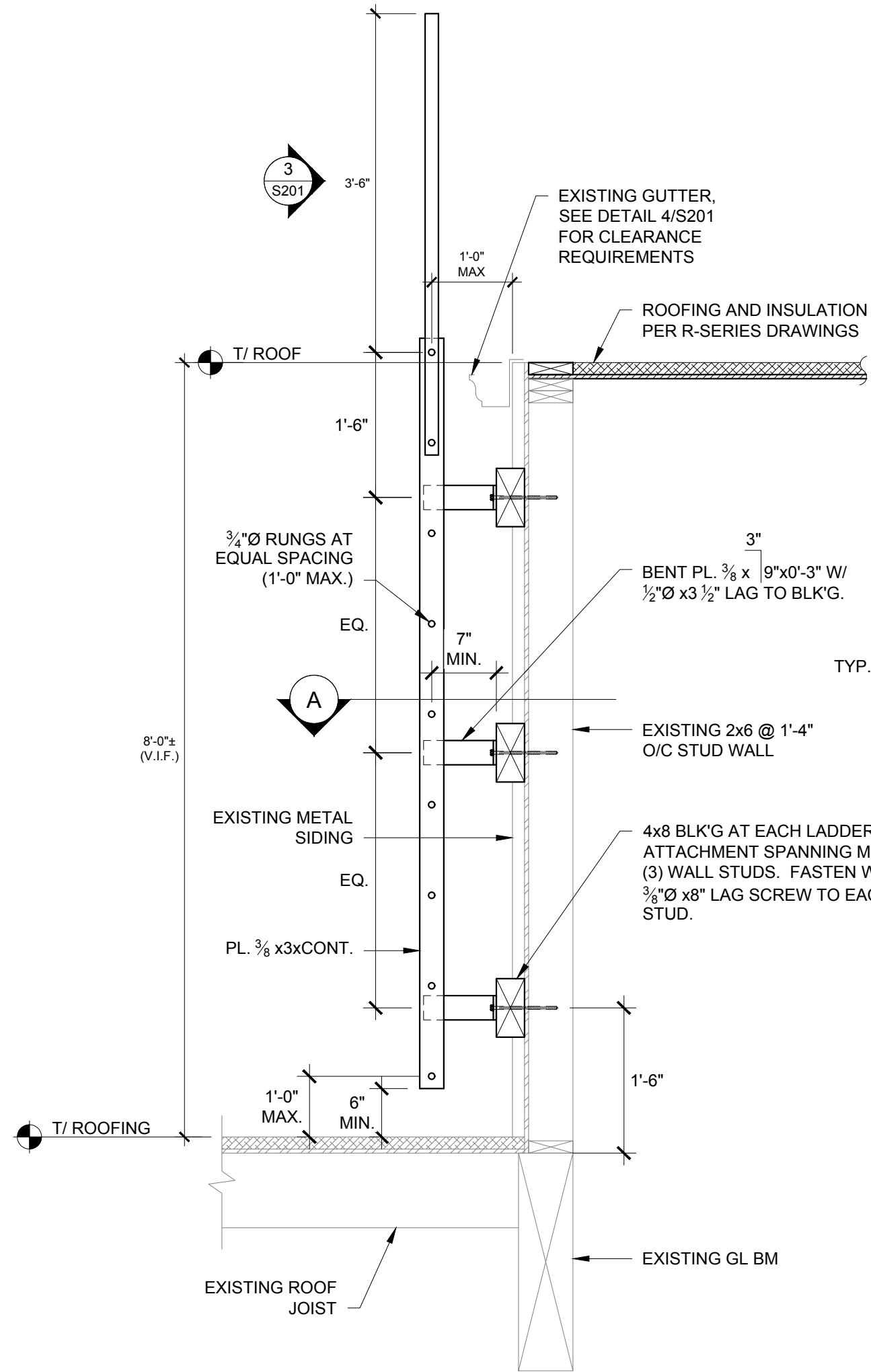
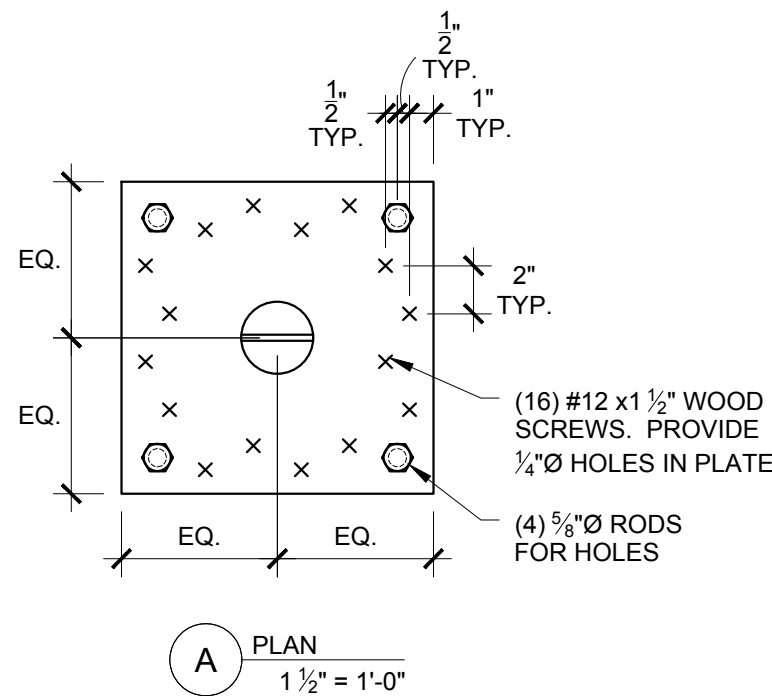
Date: APRIL 2021
Revisions:
Drawn: JSC
Check: JH / RNT
File:
TMR Job: 21118

SHEET NUMBER:
S201

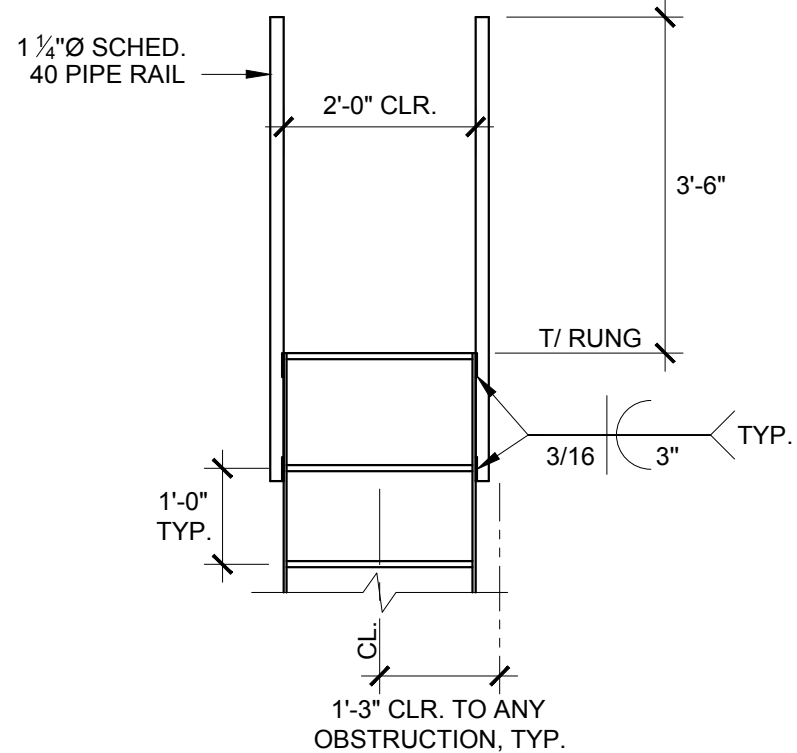
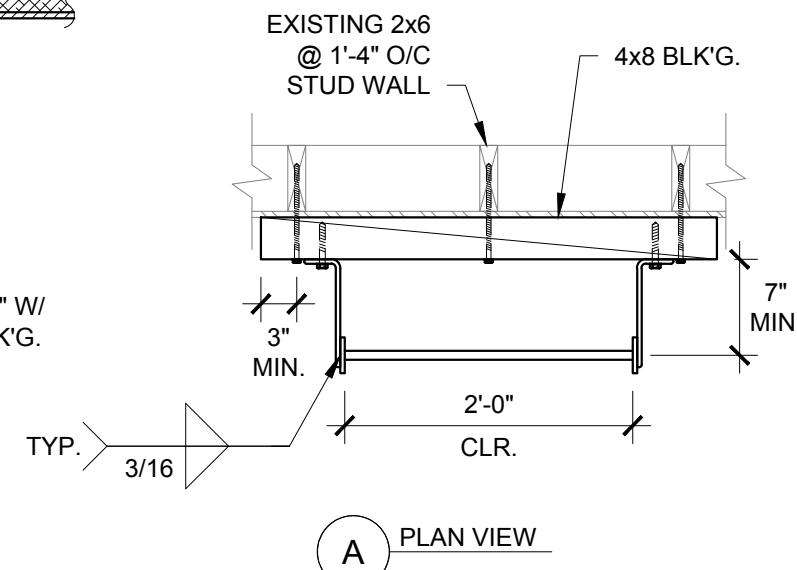
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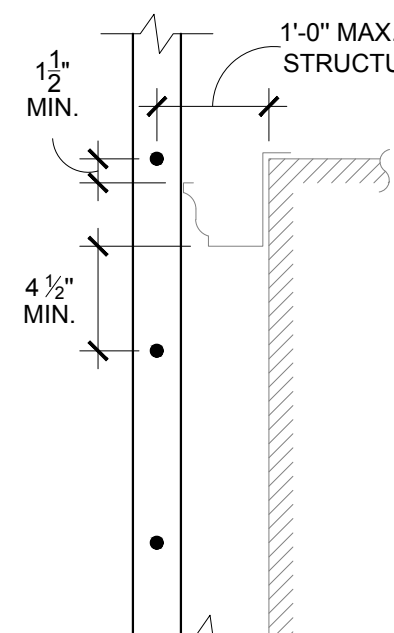
1 FALL PROTECTION ANCHOR
S201 21118-01 SCALE: 1" = 1'-0"



2 LADDER SECTION
S201 21118-02 SCALE: 3/4" = 1'-0"



3 LADDER ELEVATION
S201 21118-03 SCALE: 1/2" = 1'-0"



4 CLEARANCE AT OBSTRUCTION
S201 21118-04 SCALE: 1" = 1'-0"