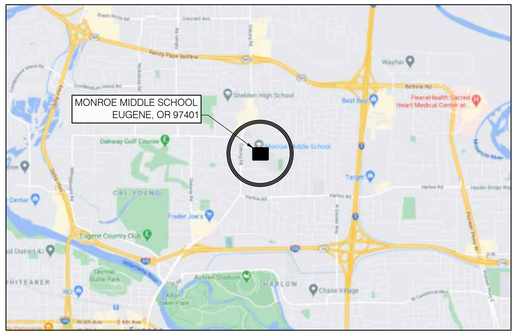
EUGENE SCHOOL DISTRICT 4J
MONROE MIDDLE SCHOOL ROOF REPLACEMENT PROJECT

SITE MAPS



1 GI-1 LOCATION MAP
SCALE: NTS

2 GI-1 VICINITY MAP
SCALE: NTS

3 GI-1 AERIAL VIEW
SCALE: NTS

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS OF THE PROJECT, INCLUDING VERIFICATION OF EXISTING ROOF SYSTEM CONSTRUCTION AND MATERIALS.
2. 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.
3. ALL PERMITTING, INCLUDING ROAD CLOSURES, PARKING STALLS, SIDEWALK CLOSURES, SCAFFOLD ERECTION, ETC. SHALL BE COORDINATED, OBTAINED, AND PAID FOR BY CONTRACTOR.
4. 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.
5. 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.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING BUILDING SURFACES, FINISHES, AND SYSTEMS FROM DAMAGE, DISCOLORATION, ETC. DURING THE COURSE OF ALL CONSTRUCTION ACTIVITIES.
7. 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.
8. ALL CONSTRUCTION SHALL CONFORM TO THE 2019 OREGON STRUCTURAL SPECIALTY CODE (2019 OSSC), AND ALL LOCAL GOVERNING BUILDING CODES AND ORDINANCES.
9. 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.
10. ROOF ACCESS BY MEANS OF EXTERNAL LIFT OF OTHER DEVICE UNLESS SPECIFICALLY APPROVED BY THE OWNER.
11. ALL ITEMS TRANSPORTED TO ROOF SHALL BE TRANSPORTED USING APPROVED AND SAFE METHODS OF LOADING.
12. SCOPE OF WORK CONSISTS OF THIS DRAWINGS SET AND THE ASSOCIATED PROJECT MANUAL.
13. 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.
14. 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.
15. THIS PROJECT INCLUDES A BASE BID AND AN ALTERNATE. 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 ASSEMBLY AT ROOF AREA E DOWN TO THE SEISMIC SHEATHING OVERLAY ABOVE THE STRUCTURAL DECK. REMOVAL OF EXISTING ASSOCIATED FLASHING ASSEMBLIES AND ROOF DRAINS. INSTALLATION OF BUILT-UP ROOF MEMBRANE ASSEMBLY, FLASHINGS, WALL PANELS, SCUPPERS, AND COPING. REFERENCE SHEET GI-2 FOR ADDITIONAL INFORMATION REGARDING THE BASE BID MEMBRANE ASSEMBLY.

ALTERNATE NO. 1: INCLUDES, BUT IS NOT LIMITED TO: COMPLETE REMOVAL OF EXISTING BUILT-UP ROOF MEMBRANE ASSEMBLIES AT ROOF AREAS B, D, F & H DOWN TO THE SEISMIC SHEATHING OVERLAY ABOVE THE STRUCTURAL DECK. REMOVAL OF EXISTING ASSOCIATED FLASHING ASSEMBLIES, CURBED EDGE METAL AND ROOF DRAINS. INSTALLATION OF DECK INFILL AT REMOVED ROOF DRAINS. INSTALLATION OF BUILT-UP ROOF MEMBRANE ASSEMBLY, FLASHINGS, WALL PANELS, GUTTERS, AND COPING. REFERENCE SHEET GI-2 FOR ADDITIONAL INFORMATION REGARDING THE BASE BID MEMBRANE ASSEMBLY. REPAIRS AT ROOF AREAS C & G CONSISTING OF PATCHING AND COATING WHERE INDICATED.

BUILDING DATA

MAXIMUM TOP OF ROOF DECK HEIGHT (OF AREAS TO BE RE-ROOFED):	26-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
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fax: (541) 790-7711
Contact: Kirk Gebb, Capital Improvement Program

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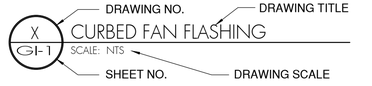
Professional Roof Consultants, Inc.
1108 SE Grand Ave., Suite 300
Portland, Oregon 97214
tel: (503) 280-8759
fax: (503) 280-8866
Contact: Thomas Bertrand, RRO, AHERA

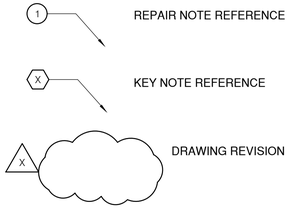
STRUCTURAL CONSULTANT
TM Rippey Consulting Engineers
7650 SW Beveland St. Suite 100
Tigard, Oregon 97223
tel: (503) 443-3900
fax: (503) 443-3700
Contact: Ralph Turnbaugh, P.E.

DRAWING SCHEDULE

DRAWING SYMBOLS



DETAIL REFERENCE ON PLAN
DRAWINGS - SIM. INDICATES SIMILAR CONSTRUCTION AS SHOWN ON DETAIL NOTED.



REBID SET

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

EUGENE SCHOOL DISTRICT 4J
MONROE MIDDLE SCHOOL
ROOF REPLACEMENT

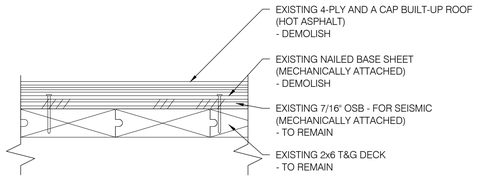
SHEET TITLE:
GENERAL INFORMATION

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

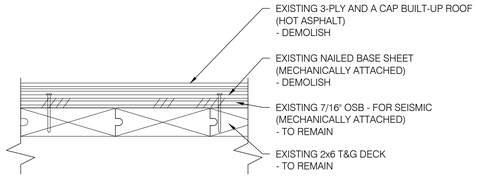
Date: OCTOBER 29, 2021
Revisions:
Drawn: TWB
Check: BAR
File: GI-Gen_Info
Job: R3282.07

SHEET NUMBER:
GI-1

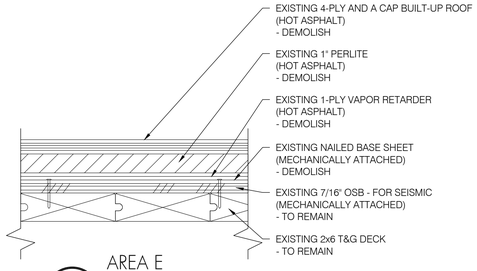
EXISTING ROOF SYSTEMS



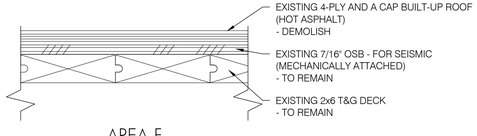
1 / GI-2 AREA B
EXISTING ROOF ASSEMBLY
SCALE: 3" = 1'-0"



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

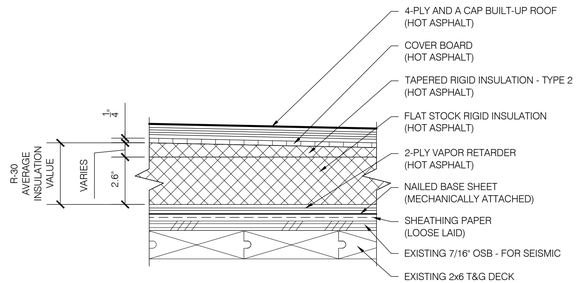


3 / GI-2 AREA E
EXISTING ROOF ASSEMBLY
SCALE: 3" = 1'-0"

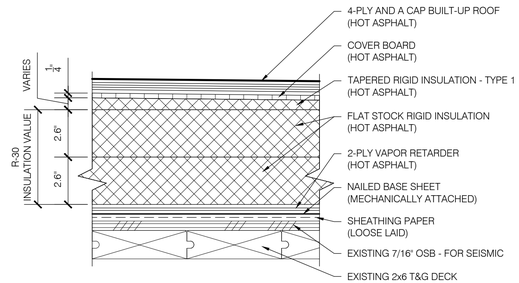


4 / GI-2 AREA F
EXISTING ROOF ASSEMBLY
SCALE: 3" = 1'-0"

NEW ROOF SYSTEMS



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



6 / GI-2 AREAS B, D, F & H
ROOF ASSEMBLY 2 - ALTERNATE NO. 1
SCALE: 3" = 1'-0"

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EUGENE SCHOOL DISTRICT 4J
MONROE MIDDLE SCHOOL
ROOF REPLACEMENT

SHEET TITLE:
SYSTEM ASSEMBLIES

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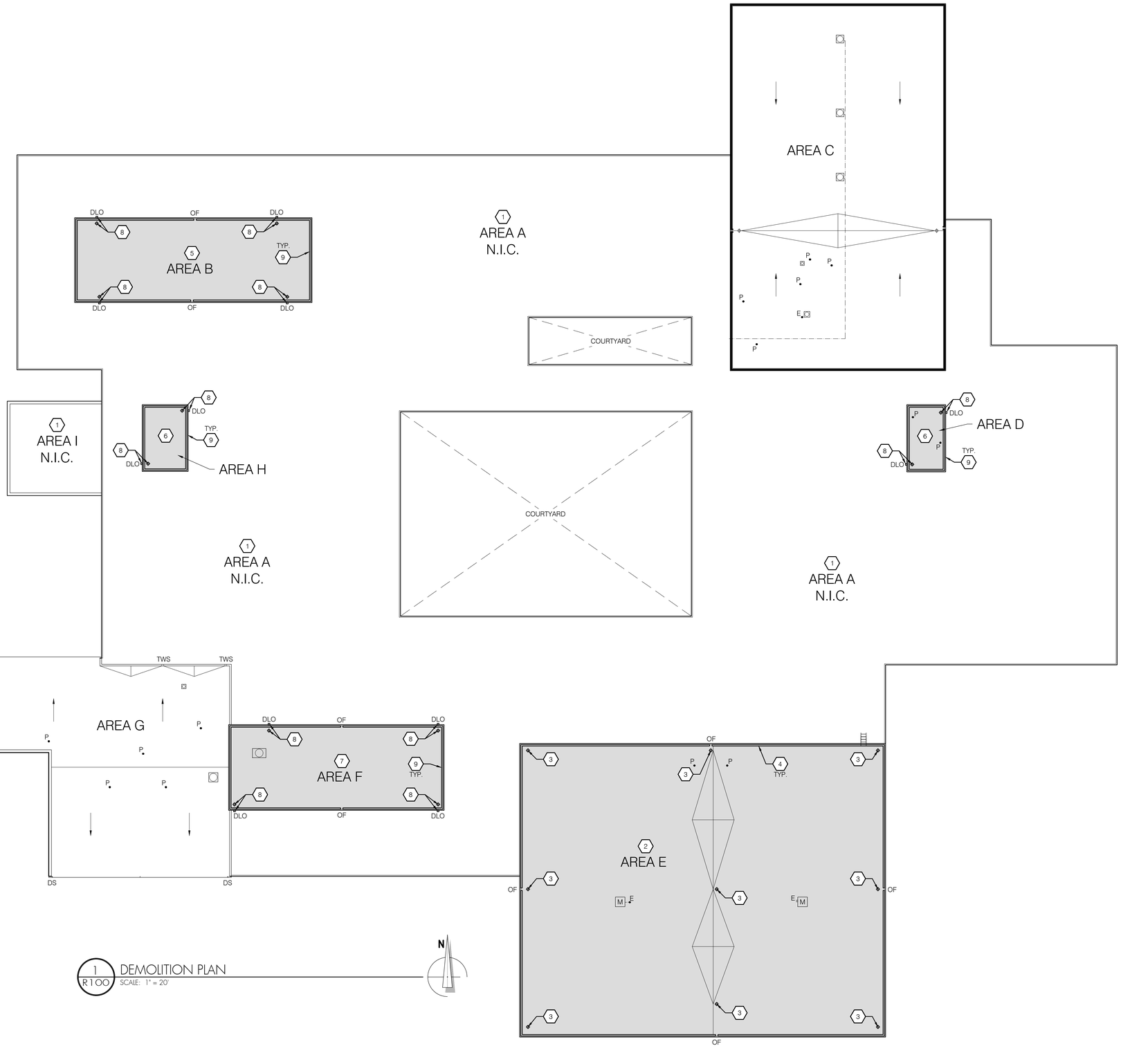
Date: OCTOBER 29, 2021
Revisions:

Drawn: TWB
Check: BAR
File: GIGen_Info
Job: R3282.07

SHEET NUMBER:
GI-2



1 R100 DEMOLITION PLAN
SCALE: 1" = 20'

LEGEND (SYMBOLS APPLY TO SHADED AREA ONLY)

- SHADED AREA INDICATES EXTENT OF ROOF REPLACEMENT DEMOLITION SCOPE OF WORK
- EXISTING ROOF DRAIN - REFERENCE ASSOCIATED KEY NOTE
- OF — EXISTING OVERFLOW SCUPPER THROUGH CURBED EDGE - REFERENCE ASSOCIATED KEY NOTE
- DLO — EXISTING ROOF DRAIN LINE OUTLET IN PENTHOUSE WALL - REFERENCE ASSOCIATED KEY NOTE
- EXISTING CURBED FAN UNIT
- M — EXISTING CURBED MECHANICAL UNIT
- P — EXISTING PLUMBING VENT PIPE
- E — EXISTING ELECTRICAL PENETRATION

KEY NOTES

1. EXISTING TPO ROOF MEMBRANE ASSEMBLY TO REMAIN - PROTECT MEMBRANE FROM DAMAGE DURING CONSTRUCTION ACTIVITIES.
2. DEMOLISH EXISTING 4-PLY AND A CAP BUILT-UP ROOF DOWN TO THE EXISTING OSB SHEATHING. - REFERENCE DETAIL 3/GI-2 FOR EXISTING ROOF ASSEMBLY.
3. DEMOLISH EXISTING ROOF DRAIN. MAINTAIN EXISTING DRAIN LINE FOR ATTACHMENT OF NEW ROOF DRAINS.
4. DEMOLISH EXISTING CURBED EDGE AND SHEET METAL FLASHING ASSEMBLY.
5. ALTERNATE NO. 1: DEMOLISH EXISTING 4-PLY AND A CAP BUILT-UP ROOF DOWN TO THE EXISTING OSB SHEATHING. - REFERENCE DETAIL 1/GI-2 FOR EXISTING ROOF ASSEMBLY.
6. ALTERNATE NO. 1: DEMOLISH EXISTING 3-PLY AND A CAP BUILT-UP ROOF DOWN TO THE EXISTING OSB SHEATHING. - REFERENCE DETAIL 2/GI-2 FOR EXISTING ROOF ASSEMBLY.
7. ALTERNATE NO. 1: DEMOLISH EXISTING 4-PLY AND A CAP BUILT-UP ROOF DOWN TO THE EXISTING OSB SHEATHING. - REFERENCE DETAIL 4/GI-2 FOR EXISTING ROOF ASSEMBLY.
8. ALTERNATE NO. 1: DEMOLISH EXISTING ROOF DRAIN, DRAIN LINE, AND PENTHOUSE WALL DRAIN OUTLET NOZZLE (COWS TONGUE).
9. ALTERNATE NO. 1: DEMOLISH EXISTING CURBED EDGE AND SHEET METAL FLASHING ASSEMBLY.

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EUGENE SCHOOL DISTRICT 4J
MONROE MIDDLE SCHOOL
ROOF REPLACEMENT

SHEET TITLE:
DEMOLITION PLAN

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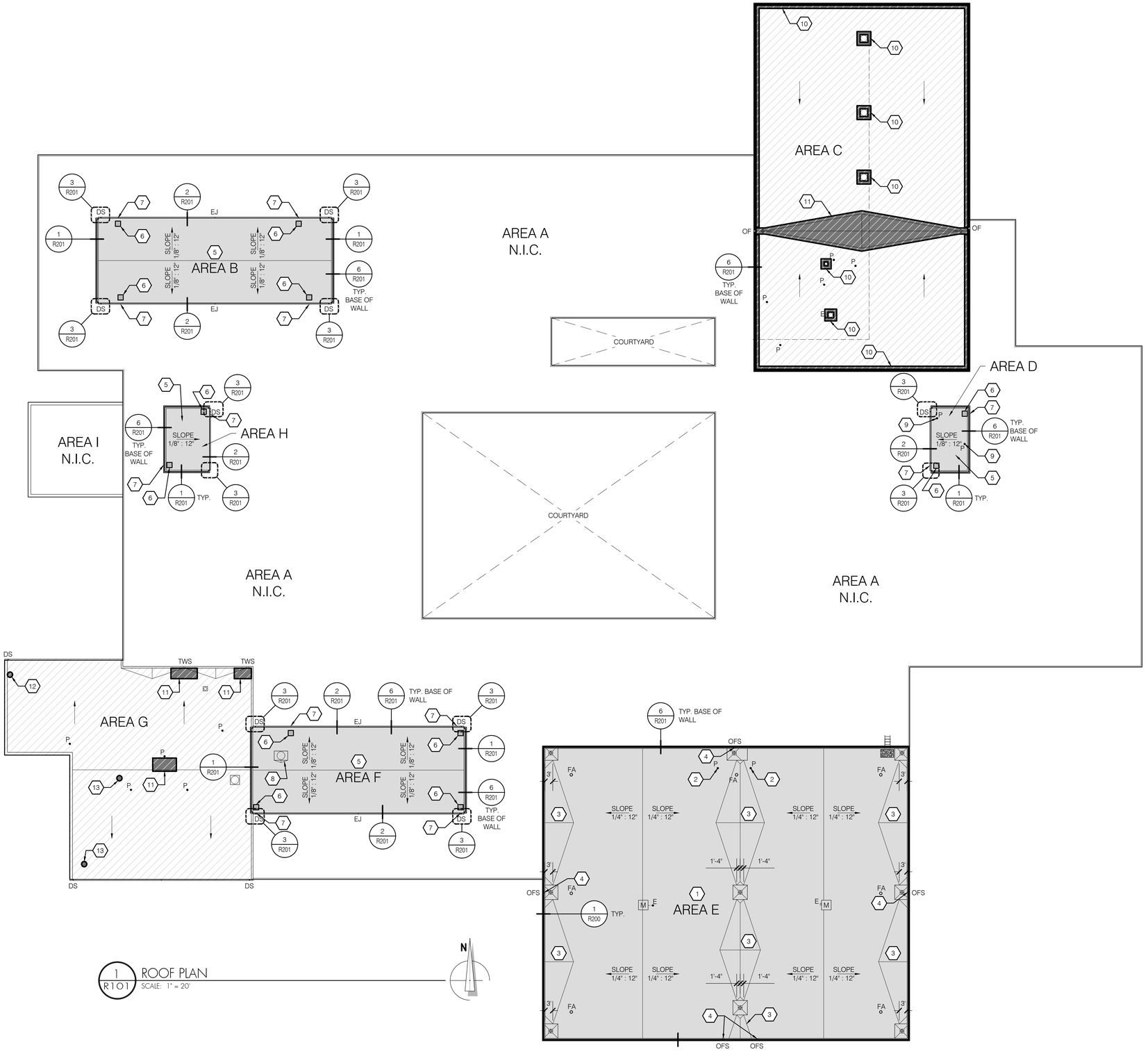
Date: OCTOBER 29, 2021
Revisions:

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

REBID SET

SHEET NUMBER:
R100



1 R101 ROOF PLAN
SCALE: 1" = 20'

LEGEND

(SYMBOLS APPLY TO SHADED/HATCHED AREAS ONLY)

- SHADED INDICATES ROOF AREAS TO BE REPLACED
- HATCH INDICATES ROOF AREAS TO RECEIVE REPAIRS
- INDICATES APPROXIMATE EXTENT/LOCATION OF REPAIR ACTIVITIES - REFERENCE KEY NOTES AND SPECIFICATIONS
- 6 R200 — DRAIN SUMP
- DS — GUTTER DOWNSPOUT
- EJ — GUTTER EXPANSION JOINT
- 2 R200 — OFS — OVERFLOW SCUPPER
- OF — EXISTING OVERFLOW THROUGH CURBED EDGE
- EXISTING ROOF DRAIN
- 4 R201 — ALT. NO. 1 — EXISTING CURBED FAN UNIT
- P — EXISTING PLUMBING VENT PIPE
- 5 R200 — E — EXISTING ELECTRICAL PENETRATION
- EXISTING ROOF ACCESS LADDER TO BE REPLACED - REFERENCE STRUCTURAL
- 4 R201 — ALT. NO. 1 / 4 R201 — SIM. — M — EXISTING CURBED MECHANICAL UNIT
- EXISTING OVER-DECK ELECTRICAL CONDUIT
- 3 R200 — FA — FALL PROTECTION ANCHOR
- SLOPE X/X" : 12" — DIRECTION AND SLOPE OF TAPERED INSULATION SYSTEMS - TAPERED INSULATION CRICKETS SHALL PRODUCE A FINISHED SLOPE EQUAL TO THE TAPERED INSULATION TO WHICH IT IS APPLIED UNLESS OTHERWISE NOTED
- WALKPAD

KEY NOTES

1. INSTALL NEW 4-PLY AND A CAP BUILT UP ROOF ASSEMBLY.
   - REFERENCE DETAIL 5/GI-2.
2. RAISE AND INTEGRATE PLUMBING VENT PIPE INTO ROOF MEMBRANE ASSEMBLY.
   - REFERENCE DETAIL 4/R200.
3. INSTALL INSULATION CRICKET WITH 1/2" PANEL SLOPE UTILIZING A 3:1 LENGTH/WIDTH RATIO. PROVIDE BULL NOSE TERMINATION OF CRICKET AT SUMP.
4. OVERFLOW SCUPPERS TO BE NO MORE THAN 2" ABOVE THE SURFACE OF THE ROOF MEMBRANE.
   - REFERENCE DETAIL 2/R200.
5. ALTERNATE NO. 1: INSTALL NEW 4-PLY AND A CAP BUILT UP ROOF ASSEMBLY.
   - REFERENCE DETAIL 6/GI-2.
6. ALTERNATE NO. 1: INSTALL NEW DECK INFILL PRIOR TO ROOF MEMBRANE ASSEMBLY.
   - REFERENCE STRUCTURAL DRAWINGS.
7. ALTERNATE NO. 1: INSTALL WALL PANEL COVER PLATE OVER VOID IN EXISTING METAL WALL PANELS WHERE DRAIN OUTLET WAS REMOVED. WALL PANEL COVER PLATE IS TO MATCH THE PROFILE OF THE EXISTING METAL WALL PANEL AND EXTEND A MINIMUM OF 6" ABOVE AND BELOW THE HOLE IN THE EXISTING METAL WALL PANEL. CLEAN THE SURFACE OF THE EXISTING METAL WALL PANEL AROUND THE HOLE AND WET SET THE WALL PANEL COVER PLATE INTO A BED OF BUTYL SEALANT. FASTEN THE PERIMETER OF THE WALL PANEL COVER PLATE WITH RUBBER WASHERED FASTENERS AT 3" ON CENTER.
8. ALTERNATE NO. 1: PROVIDE CRICKET ON UP-SLOPE SIDE OF CURB.
9. ALTERNATE NO. 1: RAISE AND INTEGRATE PLUMBING VENT PIPE INTO ROOF MEMBRANE ASSEMBLY.
   - REFERENCE DETAIL 5/R201.
10. ALTERNATE NO. 1: BUR MEMBRANE REPAIR - ALUMINUM COATING APPLICATION.
11. ALTERNATE NO. 1: BUR MEMBRANE REPAIR - REINFORCED FLUID-APPLIED MEMBRANE APPLICATION - EXTEND THROUGH SCUPPER LINERS AND TERMINATE AT EXTERIOR LEADING EDGE.
12. ALTERNATE NO. 1: BUR MEMBRANE REPAIR - OPEN/DRY LAP PATCH.
13. ALTERNATE NO. 1: BUR MEMBRANE REPAIR - MEMBRANE PATCH.

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EUGENE SCHOOL DISTRICT 4J
MONROE MIDDLE SCHOOL
ROOF REPLACEMENT

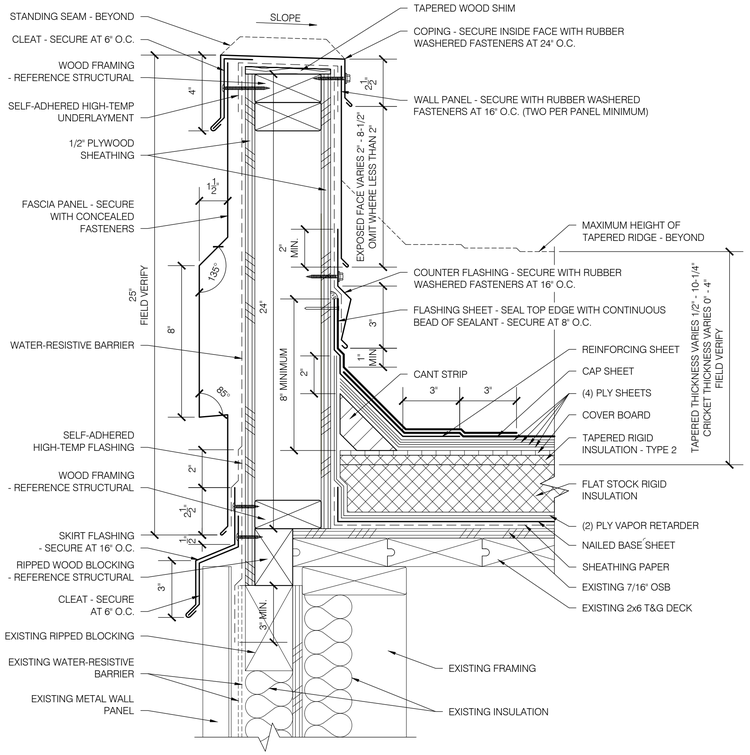
SHEET TITLE:
ROOF PLAN

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

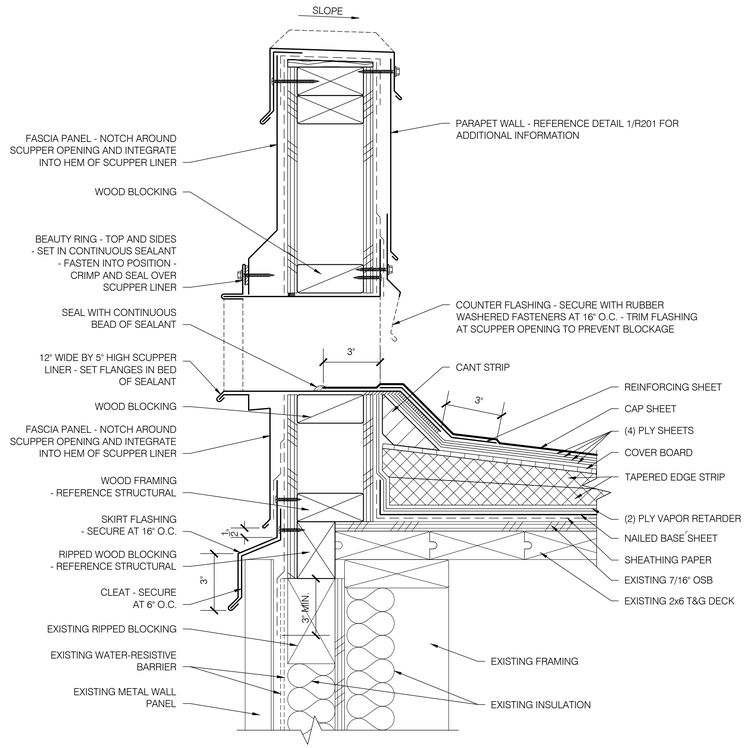
Date: OCTOBER 29, 2021
Revisions:

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

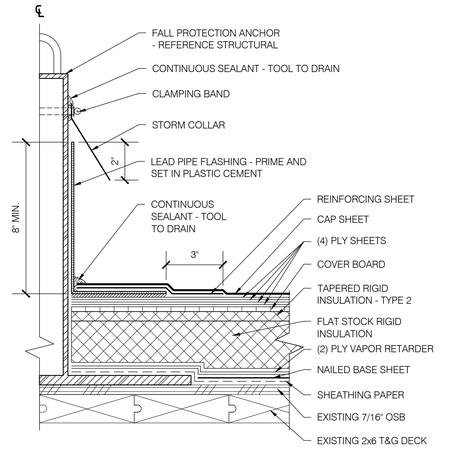
SHEET NUMBER:
R101



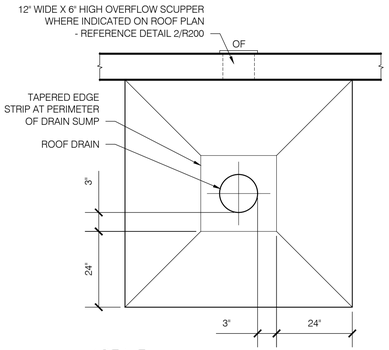
1 R200 AREA E
PARAPET WALL
SCALE: 3" = 1'-0" (ROOF ASSEMBLY PER 8/GI-2 WHERE SIM)



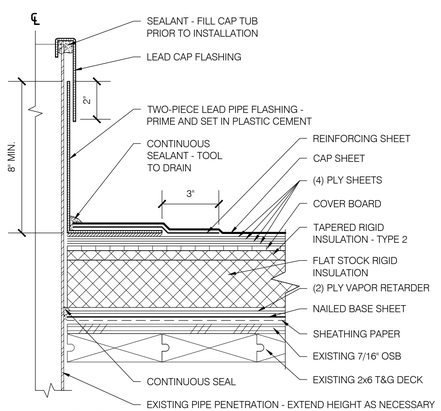
2 R200 AREA E
OVERFLOW SCUPPER
SCALE: 3" = 1'-0"



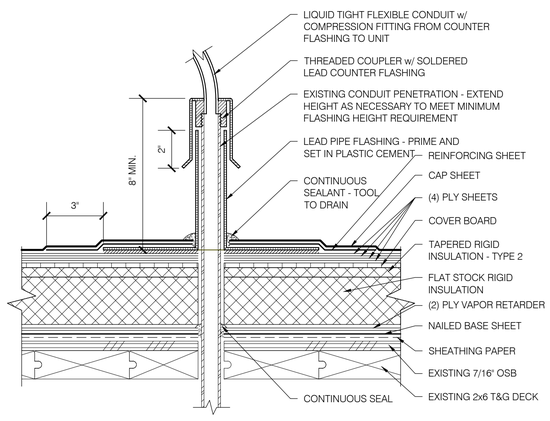
3 R200 AREA E
FALL PROTECTION ANCHOR
SCALE: 3" = 1'-0" (ROOF ASSEMBLY PER 8/GI-2 WHERE SIM)



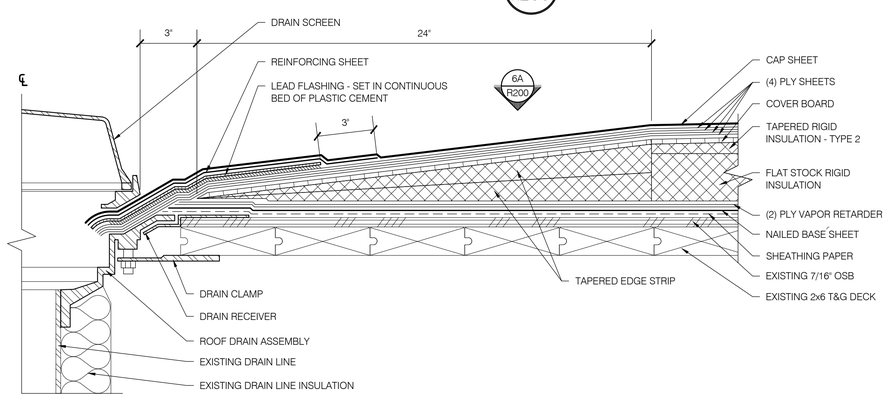
6A R200 AREA E
PLAN VIEW - DRAIN SUMP ASSEMBLY
SCALE: 1/2" = 1'-0"



4 R200 AREA E
PLUMBING VENT PIPE
SCALE: 3" = 1'-0"



5 R200 AREA E
ELECTRICAL CONDUIT PENETRATION
SCALE: 3" = 1'-0"



6 R200 AREA E
DRAIN SUMP ASSEMBLY
SCALE: 3" = 1'-0"

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EUGENE SCHOOL DISTRICT 4J
MONROE MIDDLE SCHOOL
ROOF REPLACEMENT

SHEET TITLE:
DETAILS - BASE BID

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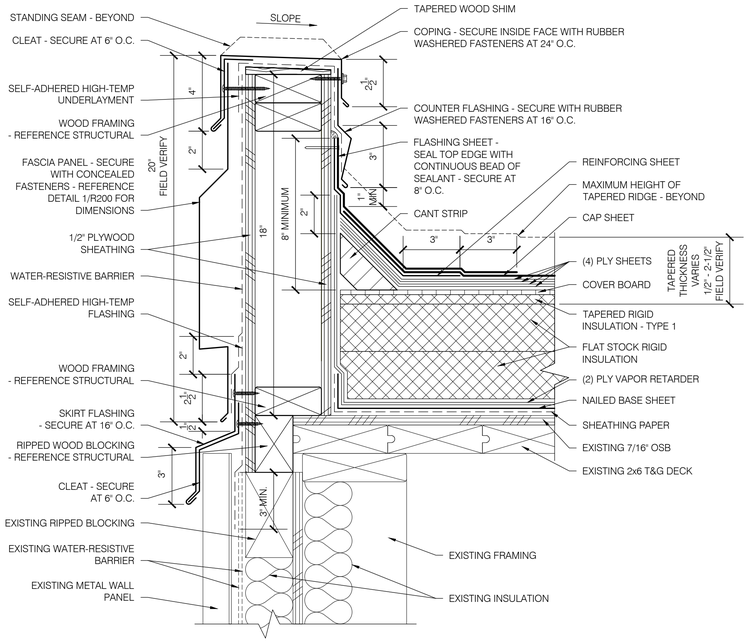
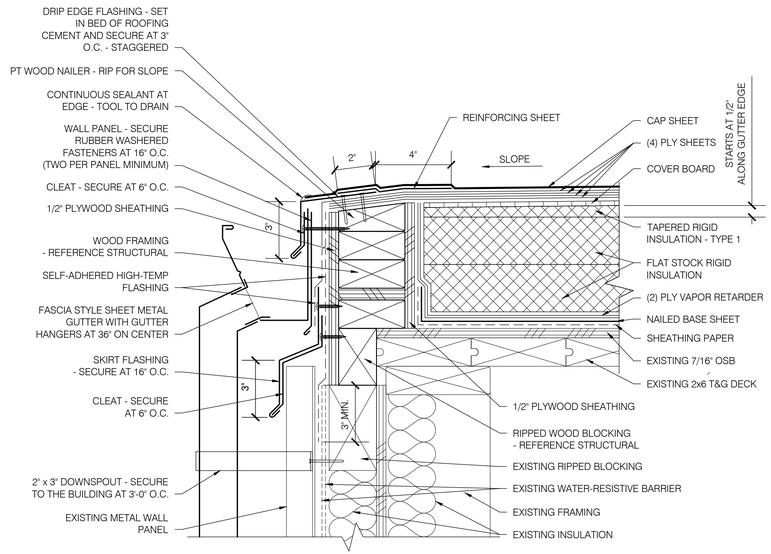
Date: OCTOBER 29, 2021
Revisions:

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

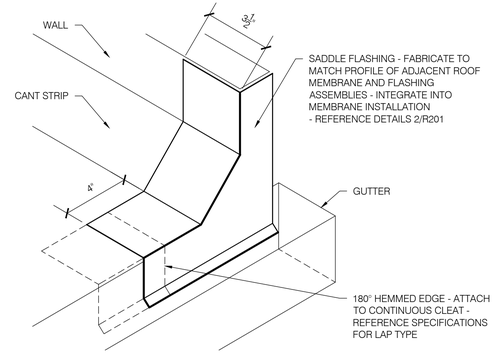
SHEET NUMBER:
R200



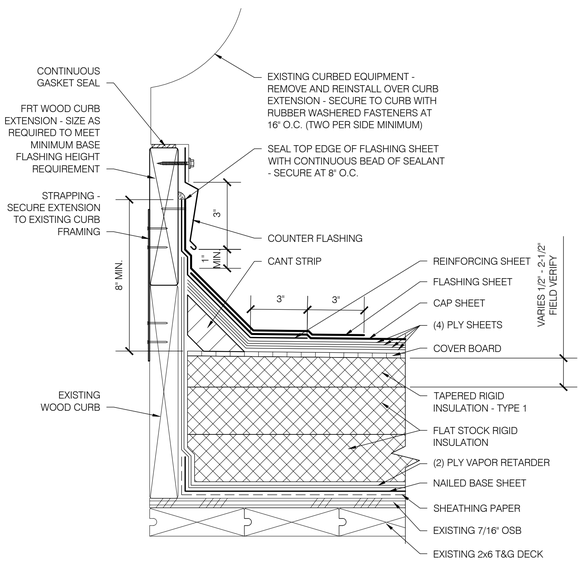
1 R201 AREAS B, D, F & H
PARAPET WALL
SCALE: 3" = 1'-0"



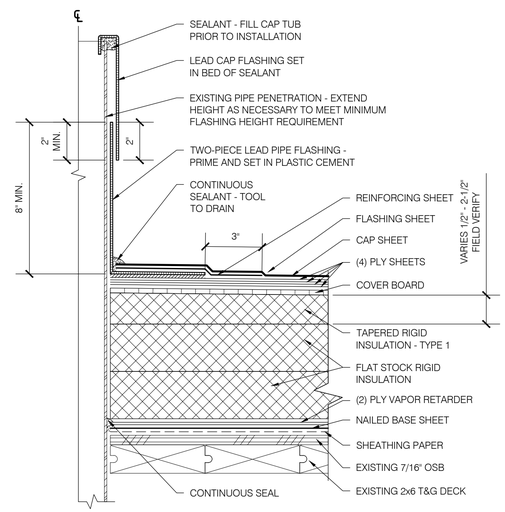
2 R201 AREAS B, D, F & H
GUTTER EDGE
SCALE: 3" = 1'-0"



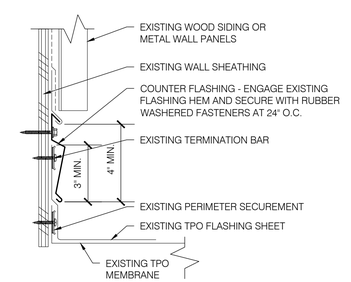
3 R201 AREAS B, D, F & H
ROOF-TO-WALL SADDLE FLASHING
SCALE: 3" = 1'-0"



4 R201 AREAS B, D, E, F & H
CURBED FAN
SCALE: 3" = 1'-0" (ROOF ASSEMBLY PER 5/GI-2 WHERE SIM)



5 R201 AREAS B, D, F & H
PLUMBING VENT PIPE
SCALE: 3" = 1'-0"



6 R201 BASE OF PENTHOUSE WALLS AT AREA A INTERFACE
SCALE: 3" = 1'-0"

REBID SET

PROFESSIONAL ROOF CONSULTANTS INC
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EUGENE SCHOOL DISTRICT 4J

MONROE MIDDLE SCHOOL

ROOF REPLACEMENT

SHEET TITLE:
DETAILS - ALTERNATE NO. 1

THE BAR SCALE IS 3 INCHES IN LENGTH. IF THE BAR IS NOT 2 INCHES LONG, THIS DRAWING IS NOT TO THE SCALE INDICATED.

Date:	OCTOBER 29, 2021
Revisions:	
Drawn:	TWB
Check:	BAR
File:	R200-Details
Job:	R3282.07

SHEET NUMBER:
R201

GENERAL STRUCTURAL NOTES:

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

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).
ALL BOLTS: ASTM A307 UNLESS NOTED OTHERWISE.
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.

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.

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 HEREAFTER 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.

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 HARNESSES, 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', 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.

REGISTERED PROFESSIONAL ENGINEER
16,720
Ralph Turnbaugh
OREGON
JULY 20, 1990
RALPH TURNBAUGH
EXP: 6/30/22

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EUGENE SCHOOL DISTRICT 4J
MONROE MIDDLE SCHOOL
ROOF REPLACEMENT

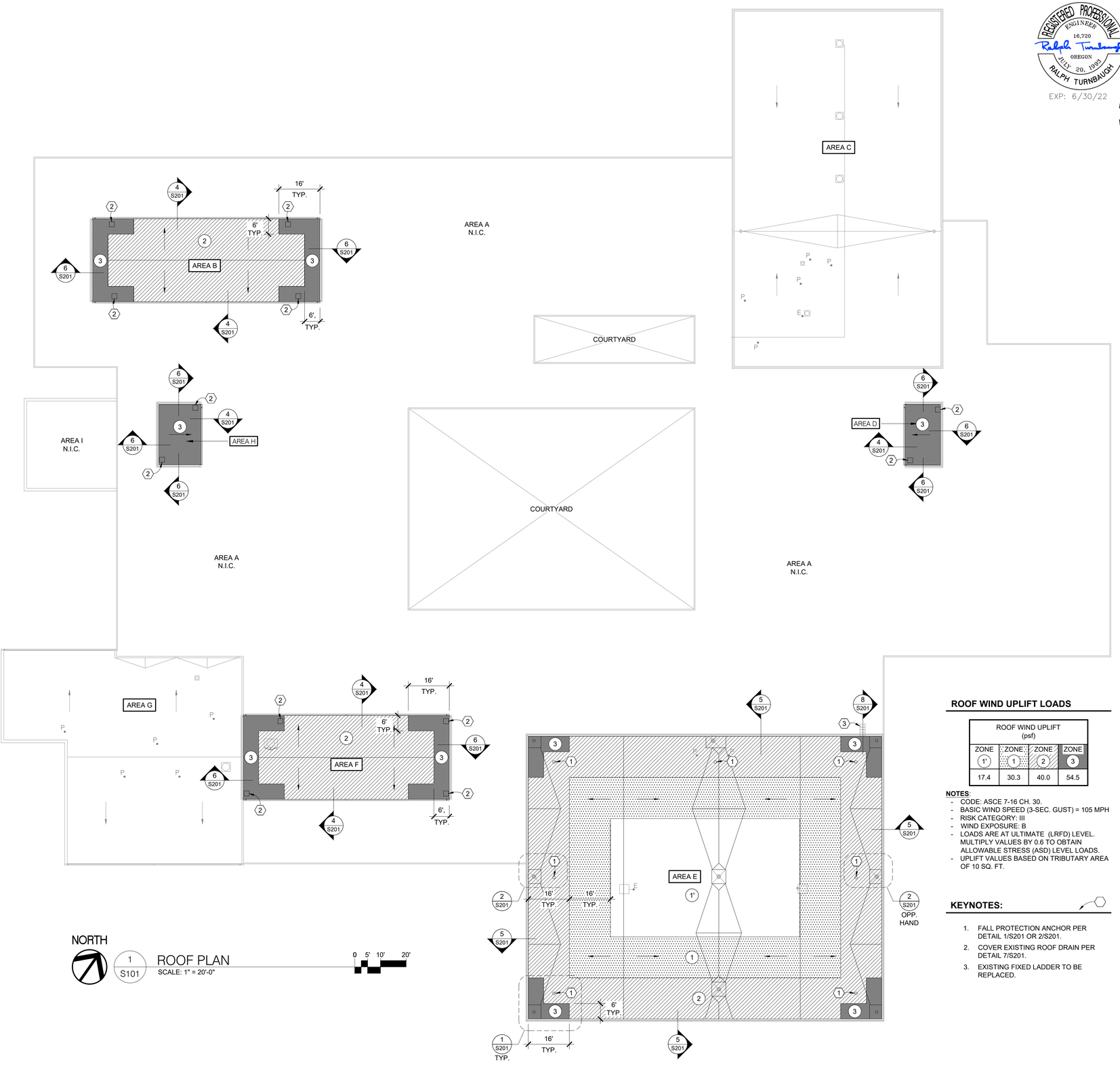
SHEET TITLE:
GENERAL STRUCTURAL NOTES
AND FALL PROTECTION
STRUCTURAL NOTES

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: OCTOBER 29, 2021
Revisions:
Drawn: JSC
Check: JH / RNT
File:
TMR Job: 21069

REBID SET

SHEET NUMBER:
S100



NORTH

1 S101 ROOF PLAN

SCALE: 1" = 20'-0"

0 5' 10' 20'

ROOF WIND UPLIFT LOADS

ROOF WIND UPLIFT (psf)			
ZONE 1'	ZONE 1	ZONE 2	ZONE 3
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:

1. FALL PROTECTION ANCHOR PER DETAIL 1/S201 OR 2/S201.
2. COVER EXISTING ROOF DRAIN PER DETAIL 7/S201.
3. EXISTING FIXED LADDER TO BE REPLACED.

REBID SET

REGISTERED PROFESSIONAL ENGINEER
16,720
Ralph Turnbaugh
OREGON
JULY 20, 1981
RALPH TURNBAUGH
EXP: 6/30/22

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EUGENE SCHOOL DISTRICT 4J
MONROE MIDDLE SCHOOL
ROOF REPLACEMENT

SHEET TITLE:

ROOF PLAN
WIND LOAD DIAGRAM

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

Date: OCTOBER 29, 2021
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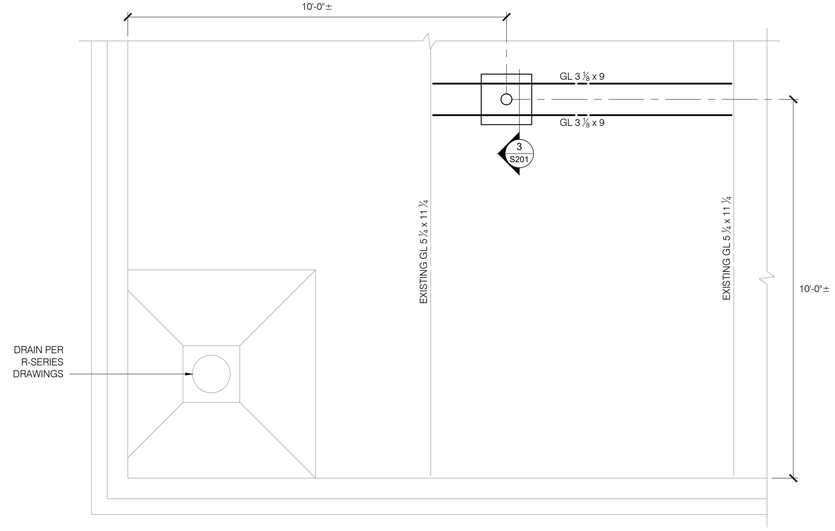
TMR Job: 21069

SHEET NUMBER:

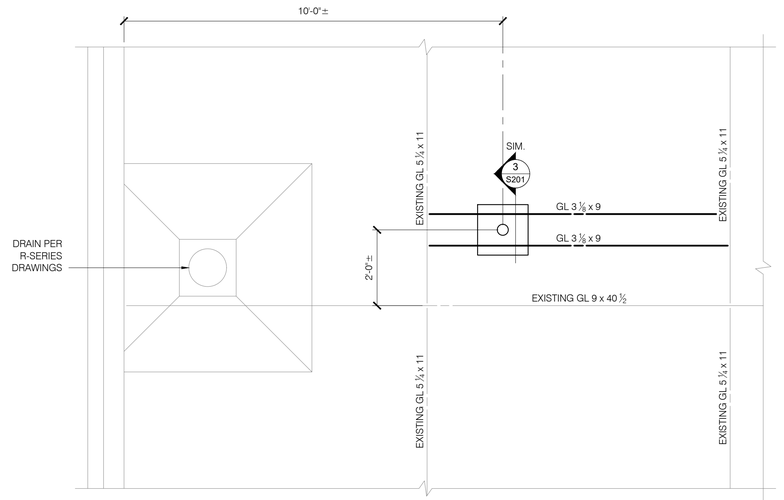
S101



1 S201 PLAN AT FALL PROTECTION ANCHOR

21069-01

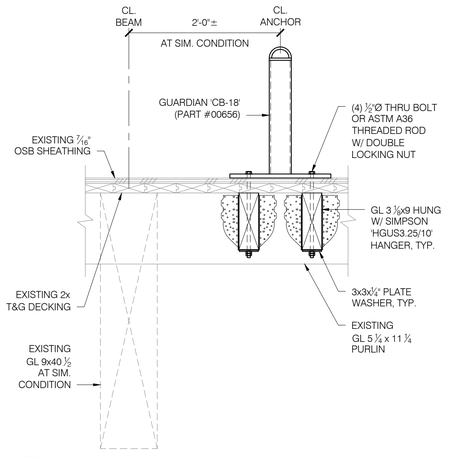
SCALE: 1/2" = 1'-0"



2 S201 PLAN AT FALL PROTECTION ANCHOR

21069-02

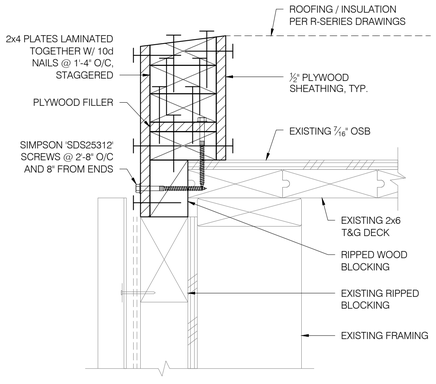
SCALE: 1/2" = 1'-0"



3 S201 FALL ANCHOR SECTION

21069-03

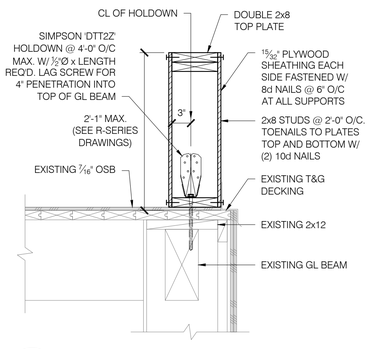
SCALE: 1" = 1'-0"



4 S201 AREA: B, D, F, & H GUTTER EDGE

21069-04

SCALE: 3" = 1'-0"



5 S201 AREA 'E' PARAPET SECTION

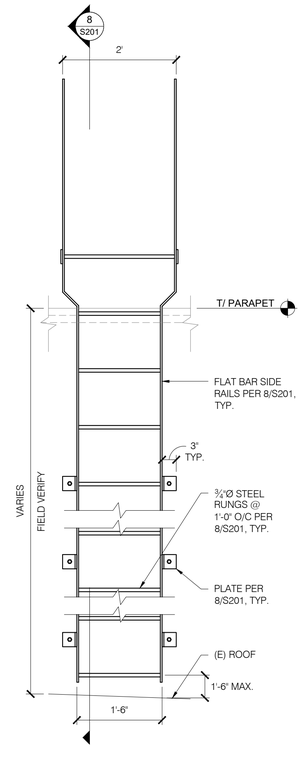
21069-05

SCALE: 1" = 1'-0"

8 S201 ROOF LADDER SECTION

21069-08

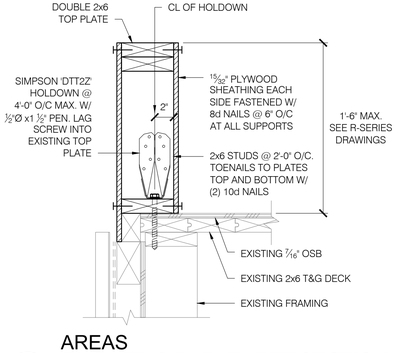
SCALE: 3/4" = 1'-0"



9 S201 ROOF LADDER ELEVATION

21069-09

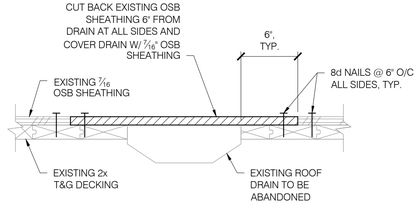
SCALE: 3/4" = 1'-0"



6 S201 AREAS 'B', 'D', 'F', & 'H' PARAPET SECTION

21069-06

SCALE: 1 1/2" = 1'-0"



7 S201 SECTION AT ABANDONED ROOF DRAIN

21069-07

SCALE: 1 1/2" = 1'-0"

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RALPH TURNBAUGH
EXP: 6/30/22

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EUGENE SCHOOL DISTRICT 4J

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ROOF REPLACEMENT

SHEET TITLE:

STRUCTURAL DETAILS

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Date: OCTOBER 29, 2021

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REBID SET

SHEET NUMBER:

S201