ADDENDUM NO. 1

Date November 9, 2023
Eugene School District 4J
Gilham Elementary School Roof Replacement 2024

This addendum is being issued for clarification and / or revision of the Contract Documents as noted. This document is hereby made a part of the Contract Documents to the extent as though it was originally included herein.

Bidder shall notify all sub-bidders of this addendum, and shall acknowledge receipt of this addendum by inserting the above addendum number in the space provided on the bid response form prior to submitting bids. Failure to acknowledge receipt of any addendum may subject the bidder to disqualification.

The following are clarifications to the Contract Documents:

Item	Reference	Description
1.01	*Asbestos Survey Results*	Results from asbestos analysis of bulk materials by polarized light microcopy for the existing BUR roof areas within the scope of work.
1.02	*Sign in Sheet from Non-Mandatory Pre-Bid Roof Walk*	See attached for sign in sheet from the non-mandatory pre-bid roof walk.
1.03	*ROM Construction Cost Estimate*	The ROM Construction Cost Estimate for Base Bid No. 1 and Alternate No. 2 (which is based upon one contractor executing work across the entire school) is between $2,580,000 and $2,952,000.
1.04	*Bidder Question*	**Question:** Can bids be submitted without providing numbers for all line items on the bid form? **Answer:** Yes. However, if the District elects to proceed with scope for which a bidder has not provided a number, that bid will be deemed non-responsive.
1.05	*Bidder Question*	**Question:** To whom and where should questions be directed during the bidding process? **Answer:** All questions and communications are to be submitted in writing to Glen Macdonald via cip@4j.lane.edu
1.06	*Bidder Question*	**Question:** What is the deadline for submitting questions and substitution requests during the bidding process? **Answer:** All questions/substitution requests must be submitted prior to noon on November 14th. An Addendum, if necessary, will be distributed on November 15th to address these items.
1.07	*Drawing Sheet S100*	Replace sheet with attached revised Sheet S100. Note the following changes: • Added Addendum No. 1 revision identifier.

1.08	*Drawing Sheet S105*	Replace sheet with attached revised Sheet S105. Note the following changes: • Added Addendum No. 1 revision identifier. • Quantified the number of beam repairs associated with key note #7. There are eight (8) locations total for the project.
1.09	*Drawing Sheet S106*	Replace sheet with attached revised Sheet S106. Note the following changes: • Added Addendum No. 1 revision identifier. • Quantified the number of beam repairs associated with key note #7. There are eight (8) locations total for the project.
1.10	*Drawing Sheet S107*	Replace sheet with attached revised Sheet S107. Note the following changes: • Added Addendum No. 1 revision identifier. • Quantified the number of beam repairs associated with key note #7. There are eight (8) locations total for the project.
1.11	*Drawing Sheet S108*	Replace sheet with attached revised Sheet S108. Note the following changes: • Added Addendum No. 1 revision identifier. • Quantified the number of beam repairs associated with key note #7. There are eight (8) locations total for the project. • Clarified key note and detail tags for fall protection.
1.12	*Drawing Sheet S201*	Replace sheet with attached revised Sheet S201. Note the following changes: • Added Addendum No. 1 revision identifier. • Clarified detail names.
1.13	*Drawing Sheet S202*	Replace sheet with attached revised Sheet S202. Note the following changes: • Added Addendum No. 1 revision identifier. • Clarified extent of beam repairs.

END OF ADDENDUM No. 1

606 SE 9th AVENUE PORTLAND, OR 97214 503 280-8759 FAX 503 280-8866 ProfessionalRoofConsultants.com

Jones Stohosky Environmental Laboratory, Inc.
3315 SE Harrison Street, Milwaukie, Oregon 97222
Phone: (503) 659-8338 www.jselabs.com

NVLAP LAB CODE 200872-0

Asbestos Analysis of Bulk Materials by Polarized Light Microscopy

Client: Professional Roof Consultants **Client #:** 02058 **Report Date:** 12/12/2022
Project #: R3282.09 **Invoice PO:** **Batch #:** 46314
Project Name: Gilham Elementary School, 3307 Honeywood St., Eugene, OR

Sample	Layer	Description	Binder/Matrix	Non-Asbestos Components		Asbestos Type %
Roof Core: B Lab ID #: AB-79621						
	1	Black tar w/ white rocks	Asphaltic Rock particles	Cellulose Fibrous Glass	5% 10%	None Detected
Sample ashed for quality assurance.						
Roof Core: C Lab ID #: AB-79622						
	1	Black tar w/ white rocks	Asphaltic Rock particles	Cellulose Fibrous Glass	5% 12%	None Detected
Sample ashed for quality assurance.						
Roof Core: D Lab ID #: AB-79623						
	1	Black tar w/ white rocks	Asphaltic Rock particles	Cellulose Fibrous Glass	5% 12%	None Detected
Sample ashed for quality assurance.						
Roof Core: E Lab ID #: AB-79624						
	1	Black tar w/ gray rocks	Asphaltic Rock particles	Cellulose Fibrous Glass	5% 10%	None Detected
	2	Black tar w/ glossy black mastic	Asphaltic Binders	Cellulose Fibrous Glass	2% 15%	None Detected
Subsamples ashed for quality assurance.						
Roof Core: F Lab ID #: AB-79625						
	1	Black tar w/ gray rocks	Asphaltic Rock particles	Cellulose Fibrous Glass	5% 15%	None Detected
	2	Cream powder compound w/ white fibrous mesh	Acid soluble Fibrous Glass	Fibrous Glass	20%	None Detected
Subsamples ashed for quality assurance.						
Roof Core: G Lab ID #: AB-79626						
	1	White rocks w/ thick layered black tar	Rock particles Asphaltic	Fibrous Glass Cellulose	15% 10%	None Detected
	2	Black thick tar	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
Subsamples ashed for quality assurance.						
Roof Core: K Lab ID #: AB-79627						
	1	White gummy sheeting w/ thick black tar				None Detected
	2	Black thick vitreous tar				None Detected
	3	Black tar paper				None Detected
Subsamples ashed for quality assurance.						

Roof Core: A1						
Lab ID #: AB-79628						
	1	White gummy sheeting w/ thick black tar	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
	2	Black vitreous tar	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
	3	Black tar	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
	4	Black tar paper	Asphaltic Paper	Fibrous Glass Cellulose	1% 35%	None Detected
Subsamples ashed for quality assurance.						
Roof Core: A2						
Lab ID #: AB-79629						
	1	White rocks w/ thick layered black tar	Rock particles Asphaltic	Fibrous Glass Cellulose	15% 10%	None Detected
	2	Black tar paper	Asphaltic Paper	Fibrous Glass Cellulose	1% 35%	None Detected
Subsamples ashed for quality assurance.						
Roof Core: H-Hall						
Lab ID #: AB-79630						
	1	Black thick layered tar w/ brown insulation residue	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
Subsamples ashed for quality assurance.						
Roof Core: H-Dome						
Lab ID #: AB-79631						
	1	White gummy sheeting w/ thick layered black tar & brown insulation residue	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
Subsamples ashed for quality assurance.						
Roof Core: H1 Flat						
Lab ID #: AB-79632						
	1	White gummy sheeting w/ black tar	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
	2	Black vitreous tar	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
	3	Black vitreous tar	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
	4	Black vitreous tar	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
Subsamples ashed for quality assurance.						
Roof Core: H2 Flat						
Lab ID #: AB-79633						
	1	White gummy sheeting w/ thick layered black tar	Asphaltic Aggregate	Fibrous Glass Cellulose	15% 10%	None Detected
Subsamples ashed for quality assurance.						

Analyst Name: Toby Earley, Christopher Maldonado **Date: 12/12/2022**

Approved Signatory: 

JSE is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos analysis by EPA-600/M4-82-020 and EPA/600/R-93/116 methods for polarized light microscopy (PLM). These analysis results apply to the sample(s) as received. Asbestos content for an inhomogeneous sample is reported by layer when it is possible to subsample the discrete strata for individual analysis. Small diameter fibers may not be detected by this method. Information supplied by the customer does not affect the validity of PLM results obtained by the EPA 600/R-93/116 method. Customers will be informed (in comments section) if specific environmental or test conditions affect the interpretation of test results. All analysis results conform to the EPA 600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials. Quantification is performed using visual area estimation unless otherwise stated in the report. Qualitative and quantitative transmission electron microscopy (TEM) analysis may be recommended for difficult samples. Quantitative analysis by PLM point count or TEM is recommended for sample(s) testing at < or = to 10% asbestos. Uncertainty values are as follows: Trace–<5.0%: ±250%; 5.0–39 <10%: ±150%; 10–<30%: ±100%; 30–<60%: ±50%; 60–100%: ±25%. Asbestos includes the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite. "Matrix" is defined as non-asbestos, non-binder fibrous and non-fibrous components. "Binder" is defined as a component added for cohesiveness. Non-asbestos sample constituents may not be definite. This report may not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. If the NVLAP logo does not appear on this report then "This report contains data not covered by the NVLAP accreditation." (NIST Handbook 150, 2006) Amended reports supersede all previous reports.

Pre Bid Meeting

Project: Gilham Elementary School Roof Replacement 2024

Date:11/6/23 1:00 pm

PLEASE PRINT THIS INFORMATION

Name	Company Name	E-Mail	Phone
Drew Slipher	Snyder	dslipher@snyder-builds.com	503 319 1274
Keegan Hauck	FM Sheetmetal	K.Hauck@Fmsheetmetal.com	(458) 210-7939
Brandyn Timm	Umpqua Roofing (Contact Sam Garrison)	Sam@umpquaroofing.com	[redacted] 541-302-6850
Michael Schilling	Carlson Roofing	michael@carlsonroof.com	503-899-2030
Caleb Ewing	Sika Sarnafil	ewing.caleb@us.sika.com	503-944-9541
Rod Roach	Smith Sheet Metal	estimator@smithsheetmetal.com	541-726-9194
Matt Shaw	4J	4J@4J.lane.edu	541-514-3569
Don Curtis	4J	curtis_d@4J.lane.edu	541-868-4177
Ole Macdonald	4J	Macdonald_o@4J.lane.edu	541-543-5294
ERIK ZAPATA	2G CONSTRUCTION	ezapata@2gconstruction.com 2g@2gconstruction.com	541-912-8619 541-689-3850
Thomas Bertrand	PRC	thomas.bertrand@professionalroofcontractors.com	971 312 7807

GENERAL STRUCTURAL NOTES:

CODE REQUIREMENTS:
CONFORM TO THE 2021 INTERNATIONAL BUILDING CODE AS AMENDED BY THE 2022 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): 102 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.
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.

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 2021 INTERNATIONAL BUILDING CODE AS AMENDED BY THE 2022 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 'COMPETENT PERSON'.
6. ANCHORS SHALL BE RE-CERTIFIED BY A 'QUALIFIED 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).

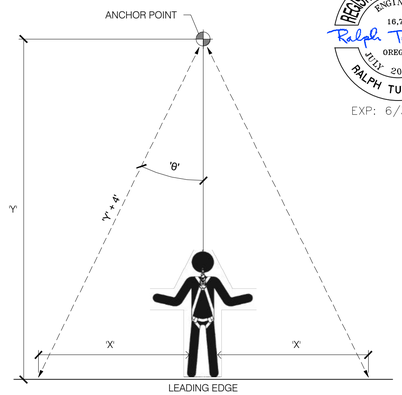
PRODUCTS:
1. SINGLE POINT FALL ARREST ANCHORS - 'GUARDIAN CB18', OR EQUIVALENT APPROVED BY THE ENGINEER.

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.

THIS CHART DETAILS ALLOWABLE WORKING ZONES REQUIRED TO REDUCE RISK OF SWING FALLS AND IMPROPER SIDE LOADING. **ALWAYS** ADHERE TO INFORMATION SPECIFIED BY CHART.

ANCHOR DISTANCE FROM LEADING EDGE (Y)	WORKING DISTANCE ALONG ROOF EDGE (EITHER DIRECTION) (X)	WORKING ANGLE FROM PERPENDICULAR (θ)
6'	8'	53°
10'	9'-9"	45°
15'	11'-7"	38°
20'	13'-3"	33°
25'	14'-6"	30°
30'	16'	28°
35'	17'-2"	26°
40'	18'-3"	24°
45'	19'-4"	23°
50'	19'-10"	21°
55'	21'-4"	21°
60'	22'-3"	21°
70'	24'-1"	19°
80'	25'-6"	18°

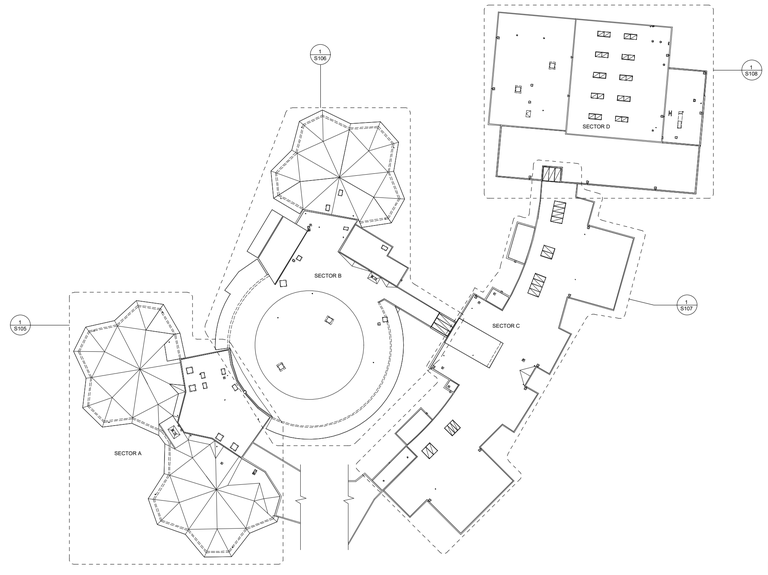
FOR EXAMPLE, IF THE ANCHORAGE CONNECTOR IS 6' FROM THE LEADING EDGE (Y), THE WORKING DISTANCE (X) IS 8' IN EACH DIRECTION FROM THE PERPENDICULAR, WHICH TRANSLATES TO A 53° WORKING ANGLE.



θ: TOTAL WORKING ANGLE.

X: WORKING DISTANCE ALONG LEADING EDGE.

Y: DISTANCE FROM LEADING EDGE.



KEYPLAN
X_KEYPLAN
N.T.S.

BID SET

REGISTERED PROFESSIONAL ENGINEER
16,720
Ralph Turnbaugh
OREGON
JULY 20, 1999
RALPH TURNBAUGH
EXP: 6/30/24

TMR
T.M. RIPPEY
CONSULTING ENGINEERS
7650 SW Beveland, Suite 100
Tigard, Oregon 97223
Phone: (503) 443-3900
Fax: (503) 443-3910

PROFESSIONAL ROOF CONSULTANTS INC
606 SE 9th Avenue
Portland, Oregon 97214
P: (503) 280-8759 | F: (503) 280-8866

EUGENE SCHOOL DISTRICT 4J
GILHAM ELEMENTARY SCHOOL
ROOF REPLACEMENT

Sheet Title:
GENERAL STRUCTURAL NOTES AND FALL PROTECTION STRUCTURAL NOTES

1/4" 1/2" 1" 2"

THIS BAR SCALE MEASURES 2 INCHES IN LENGTH WHEN THE SHEET IS PRINTED FULL-SIZE. IF THIS BAR IS NOT 2 INCHES LONG, THE VIEWS ON THIS SHEET ARE NOT TO THE SCALE INDICATED.

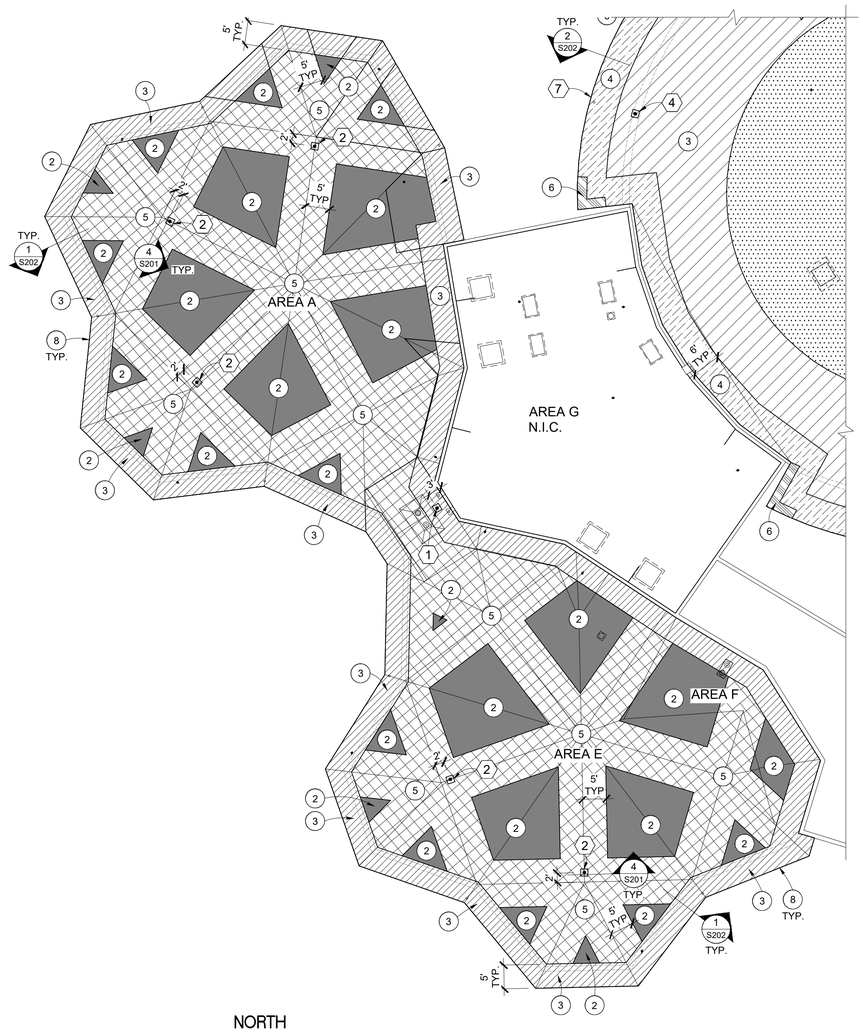
Date: 02-21-2023

Revisions:
1 ADDENDUM NO. 1 11-09-2023

Drawn: JSC
Checked: JH

PRC No.: 23002.02

Sheet No.:
S100



1 S105 ROOF PLAN - SECTOR A

SCALE: 1/16" = 1'-0"

ROOF WIND UPLIFT LOADS

ROOF WIND UPLIFT (psf)						
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7
11.6	21.9	25.4	29.7	34.4	41.3	47.8

NOTES:
- CODE: ASCE 7-16 CH. 30.
- BASIC WIND SPEED (3-SEC. GUST) = 102 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 2/S201.
2. FALL PROTECTION ANCHOR PER DETAIL 4/S201.
3. FALL PROTECTION ANCHOR PER DETAIL 5/S201.
4. FALL PROTECTION ANCHOR PER DETAIL 1/S201.
5. COVER EXISTING ABANDONED MECHANICAL CURB PER DETAIL 4/S202.
6. FALL PROTECTION ANCHOR PER DETAIL 7/S201.
7. REPAIR ALL DAMAGED GL TAILS PER DETAIL 3/S202. (APPROXIMATELY (8) LOCATIONS).
8. REPLACED DAMAGED SHEATHING WITH SAME TYPE AND THICKNESS. FASTEN TO FRAMING WITH 10d NAILS @ 6" O/C AT ALL EDGES AND 1'-0" O/C IN THE FIELD. NOTIFY E.O.R. IF DECKING DAMAGE IS DISCOVERED AT OTHER AREAS BESIDES A, E, AND K OR IF DAMAGE EXTENDS TO FRAMING.

REGISTERED PROFESSIONAL ENGINEER
16,720
Ralph Turnbaugh
OREGON
JULY 20, 1990
RALPH TURNBAUGH
EXP: 6/30/24

TMR
T.M. RIPPEY
CONSULTING ENGINEERS
7650 SW Beveland, Suite 100
Tigard, Oregon 97223
Phone: (503) 443-3900
Fax: (503) 443-3910

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EUGENE SCHOOL DISTRICT 4J
GILHAM ELEMENTARY SCHOOL
ROOF REPLACEMENT

Sheet Title:
SECTOR A - ROOF PLAN

1/4" 1/2" 1" 2"

THIS BAR SCALE MEASURES 2 INCHES IN LENGTH WHEN THE SHEET IS PRINTED FULL-SIZE. IF THIS BAR IS NOT 2 INCHES LONG, THE VIEWS ON THIS SHEET ARE NOT TO THE SCALE INDICATED.

Date: 02-21-2023

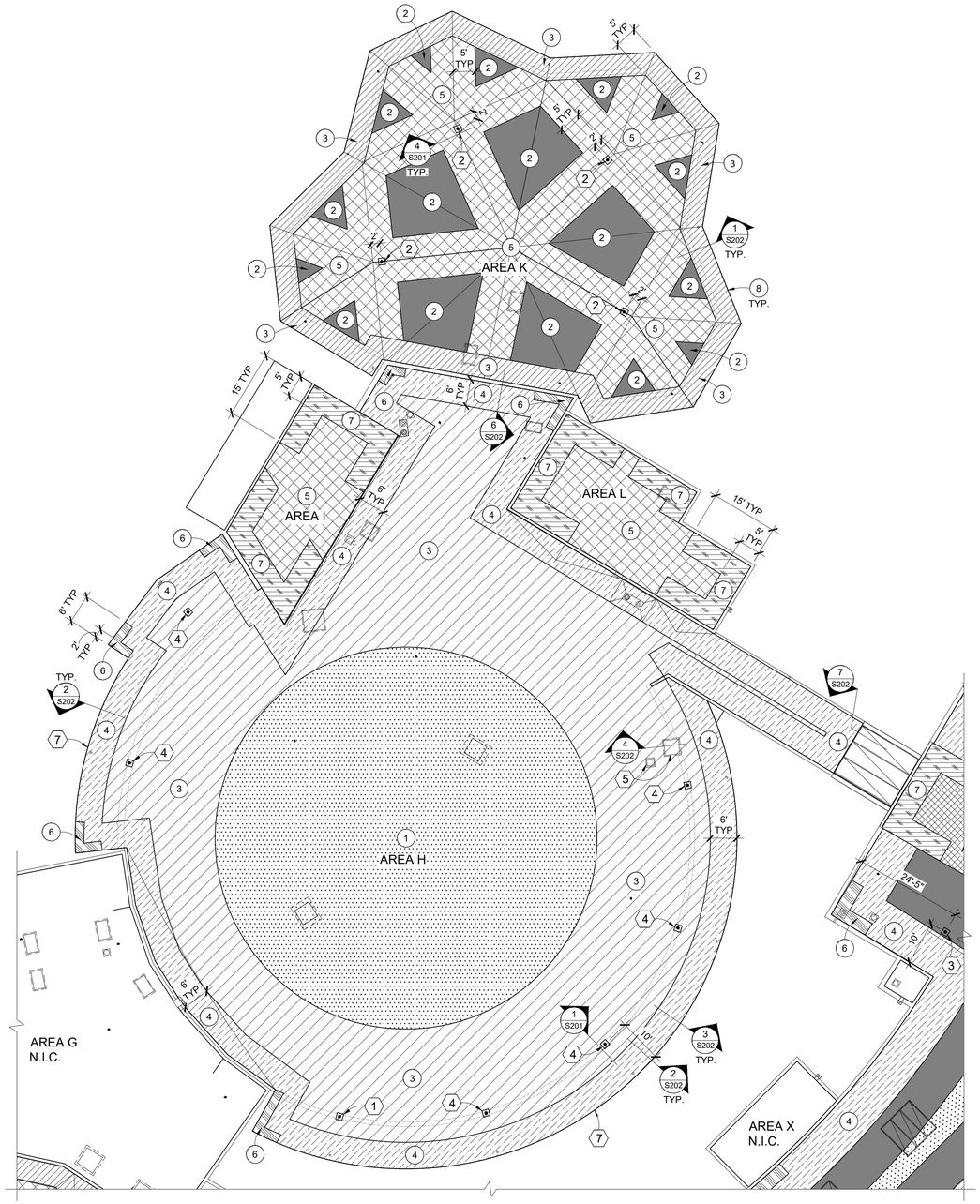
Revisions:
1 ADDENDUM NO. 1 11-09-2023

Drawn: JSC
Checked: JH

PRC No.: 23002.02

Sheet No.:
S105

BID SET



NORTH

1 S106 ROOF PLAN - SECTOR B

SCALE: 1/16" = 1'-0"

0 4' 8' 16'

ROOF WIND UPLIFT LOADS

ROOF WIND UPLIFT (psf)						
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7
11.6	21.9	25.4	29.7	34.4	41.3	47.8

NOTES:
- CODE: ASCE 7-16 CH. 30.
- BASIC WIND SPEED (3-SEC. GUST) = 102 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 2/S201.
2. FALL PROTECTION ANCHOR PER DETAIL 4/S201.
3. FALL PROTECTION ANCHOR PER DETAIL 5/S201.
4. FALL PROTECTION ANCHOR PER DETAIL 1/S201.
5. COVER EXISTING ABANDONED MECHANICAL CURB PER DETAIL 4/S202.
6. FALL PROTECTION ANCHOR PER DETAIL 7/S201.
7. REPAIR ALL DAMAGED GL TAILS PER DETAIL 3/S202. (APPROXIMATELY (8) LOCATIONS).
8. REPLACED DAMAGED SHEATHING WITH SAME TYPE AND THICKNESS. FASTEN TO FRAMING WITH 10d NAILS @ 6" O/C AT ALL EDGES AND 1'-0" O/C IN THE FIELD. NOTIFY E.O.R. IF DECKING DAMAGE IS DISCOVERED AT OTHER AREAS BESIDES A, E, AND K OR IF DAMAGE EXTENDS TO FRAMING.

REGISTERED PROFESSIONAL ENGINEER
16,720
Ralph Turnbaugh
OREGON
JULY 20, 1990
RALPH TURNBAUGH
EXP: 6/30/24

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EUGENE SCHOOL DISTRICT 4J

GILHAM ELEMENTARY SCHOOL

ROOF REPLACEMENT

Sheet Title:
SECTOR B - ROOF PLAN

1/4" 1/2" 1" 2"

THIS BAR SCALE MEASURES 2 INCHES IN LENGTH WHEN THE SHEET IS PRINTED FULL-SIZE. IF THIS BAR IS NOT 2 INCHES LONG, THE VIEWS ON THIS SHEET ARE NOT TO THE SCALE INDICATED.

Date: 02-21-2023

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1 ADDENDUM NO. 1 11-09-2023

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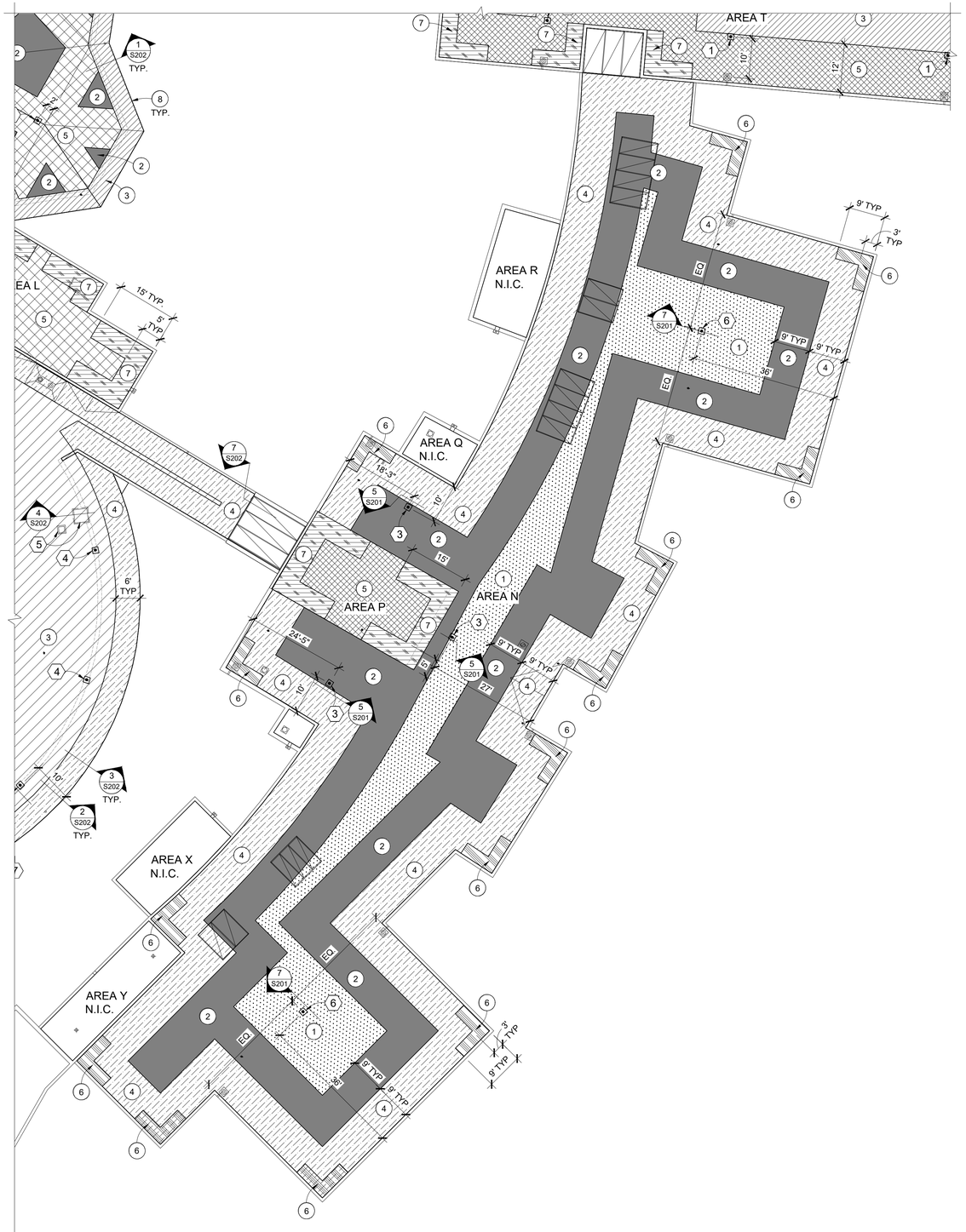
S106

BID SET



NORTH

1 S107 ROOF PLAN - SECTOR C

SCALE: 1/16" = 1'-0"

0 4' 8' 16'

ROOF WIND UPLIFT LOADS

ROOF WIND UPLIFT (psf)						
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7
11.6	21.9	25.4	29.7	34.4	41.3	47.8

NOTES:
- CODE: ASCE 7-16 CH. 30.
- BASIC WIND SPEED (3-SEC. GUST) = 102 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 2/S201.
2. FALL PROTECTION ANCHOR PER DETAIL 4/S201.
3. FALL PROTECTION ANCHOR PER DETAIL 5/S201.
4. FALL PROTECTION ANCHOR PER DETAIL 1/S201.
5. COVER EXISTING ABANDONED MECHANICAL CURB PER DETAIL 4/S202.
6. FALL PROTECTION ANCHOR PER DETAIL 7/S201.
7. REPAIR ALL DAMAGED GL TAILS PER DETAIL 3/S202. (APPROXIMATELY (8) LOCATIONS).
8. REPLACED DAMAGED SHEATHING WITH SAME TYPE AND THICKNESS. FASTEN TO FRAMING WITH 10d NAILS @ 6" O/C AT ALL EDGES AND 1'-0" O/C IN THE FIELD. NOTIFY E.O.R. IF DECKING DAMAGE IS DISCOVERED AT OTHER AREAS BESIDES A, E, AND K OR IF DAMAGE EXTENDS TO FRAMING.

REGISTERED PROFESSIONAL ENGINEER
16,720
Ralph Turnbaugh
OREGON
JULY 20, 1993
RALPH TURNBAUGH
EXP: 6/30/24

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EUGENE SCHOOL DISTRICT 4J
GILHAM ELEMENTARY SCHOOL
ROOF REPLACEMENT

Sheet Title:
SECTOR C - ROOF PLAN

1/4" 1/2" 1" 2"

THIS BAR SCALE MEASURES 2 INCHES IN LENGTH WHEN THE SHEET IS PRINTED FULL-SIZE. IF THIS BAR IS NOT 2 INCHES LONG, THE VIEWS ON THIS SHEET ARE NOT TO THE SCALE INDICATED.

Date: 02-21-2023

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1 ADDENDUM NO. 1 11-09-2023

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Checked: JH

PRC No.: 23002.02

Sheet No.:

S107

BID SET

NORTH

1 / S108 ROOF PLAN - SECTOR D

SCALE: 1/16" = 1'-0"

0 4' 8' 16'

ROOF WIND UPLIFT LOADS

ROOF WIND UPLIFT (psf)						
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7
11.6	21.9	25.4	29.7	34.4	41.3	47.8

NOTES:
- CODE: ASCE 7-16 CH. 30.
- BASIC WIND SPEED (3-SEC. GUST) = 102 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:

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2. FALL PROTECTION ANCHOR PER DETAIL 4/S201.
3. FALL PROTECTION ANCHOR PER DETAIL 5/S201.
4. FALL PROTECTION ANCHOR PER DETAIL 1/S201.
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EUGENE SCHOOL DISTRICT 4J

GILHAM ELEMENTARY SCHOOL

ROOF REPLACEMENT

Sheet Title:
SECTOR D - ROOF PLAN

1/4" 1/2" 1" 2"

THIS BAR SCALE MEASURES 2 INCHES IN LENGTH WHEN THE SHEET IS PRINTED FULL-SIZE. IF THIS BAR IS NOT 2 INCHES LONG, THE VIEWS ON THIS SHEET ARE NOT TO THE SCALE INDICATED.

Date: 02-21-2023

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1 ADDENDUM NO. 1 11-09-2023

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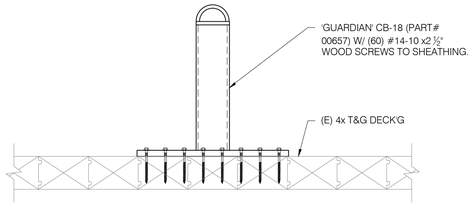
Checked: JH

PRC No.: 23002.02

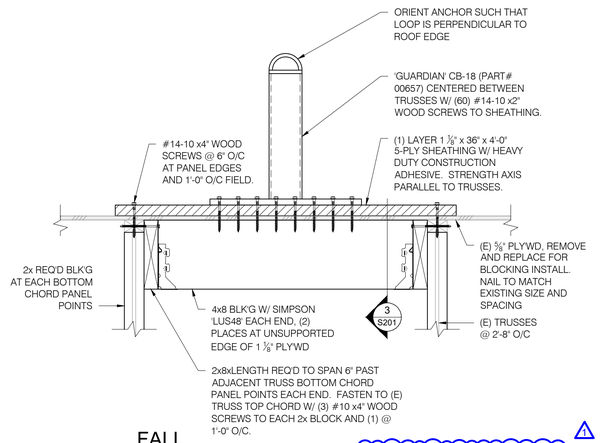
Sheet No.:

S108

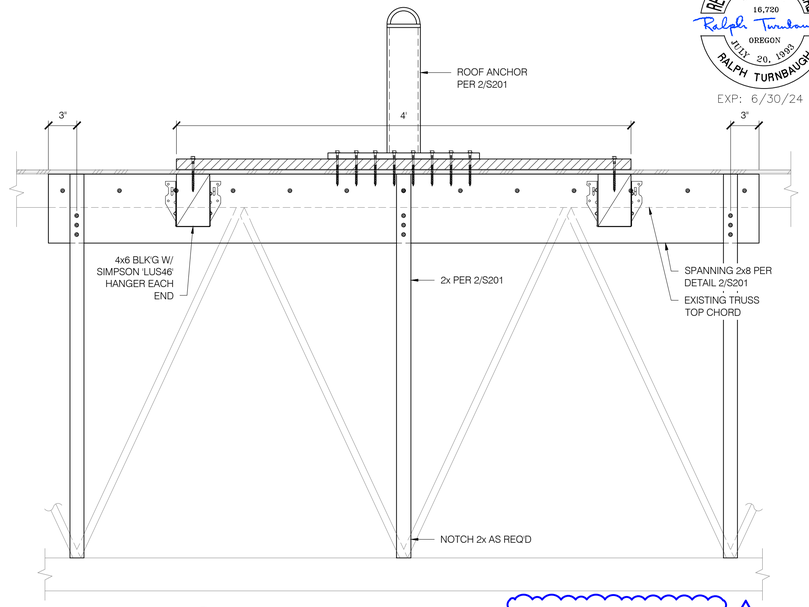
BID SET



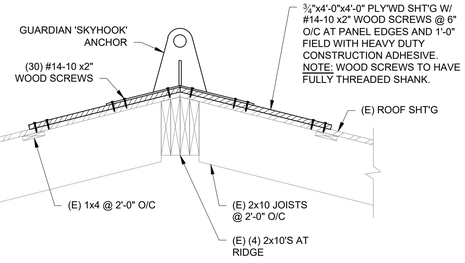
1 S201 FALL PROTECTION ANCHOR AT AREA 'H'
23002.02–09
SCALE: 1 1/2" = 1'-0"



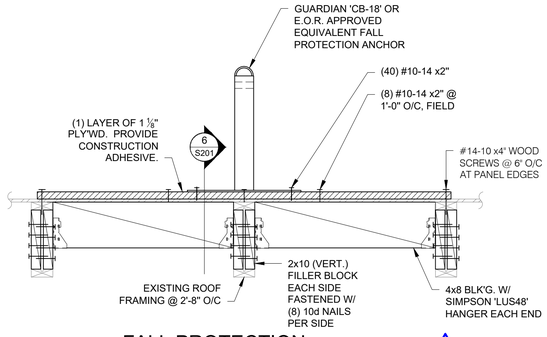
2 S201 FALL PROTECTION ANCHOR AT AREAS 'T' AND 'V' ⚠1
23002.02–02
SCALE: 1 1/2" = 1'-0"



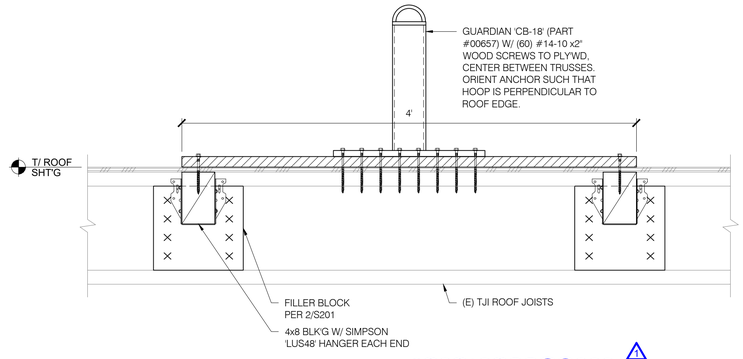
3 S201 FALL PROTECTION ANCHOR AT AREAS 'T' AND 'V' ⚠1
23002.02–03
SCALE: 1 1/2" = 1'-0"



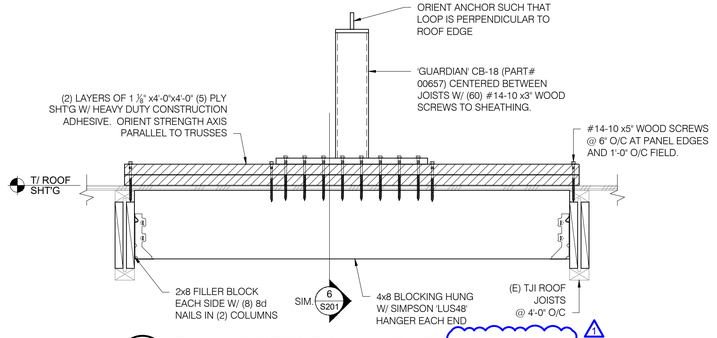
4 S201 FALL PROTECTION ANCHOR AT AREAS 'A', 'E', AND 'K' ⚠1
23002.02–04
SCALE: 1" = 1'-0"



5 S201 FALL PROTECTION ANCHOR AT AREAS 'N' AND 'W' ⚠1
23002.02 – PRC – GILHAM ELEMENTARY SHEET
SCALE: 1" = 1'-0"



6 S201 FALL PROTECTION ANCHOR AT AREA 'N' AND 'W' ⚠1
23002.02–06
SCALE: 1 1/2" = 1'-0"



7 S201 FALL PROTECTION ANCHOR AT AREA 'N' ⚠1
23002.02–08
SCALE: 1 1/2" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER
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EUGENE SCHOOL DISTRICT 4J

GILHAM ELEMENTARY SCHOOL

ROOF REPLACEMENT

Sheet Title:
ROOF FRAMING DETAILS

1/4" 1/2" 1" 2"

THIS BAR SCALE MEASURES 2 INCHES IN LENGTH WHEN THE SHEET IS PRINTED FULL-SIZE. IF THIS BAR IS NOT 2 INCHES LONG, THE VIEWS ON THIS SHEET ARE NOT TO THE SCALE INDICATED.

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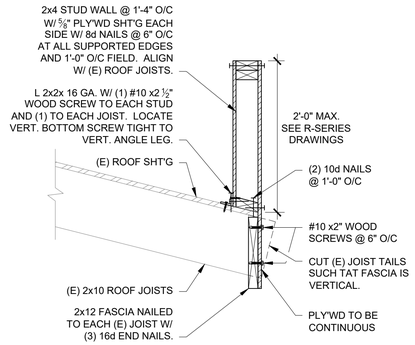
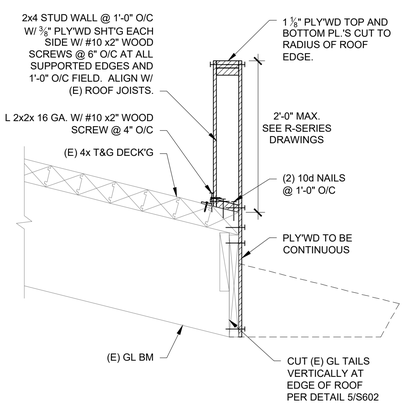


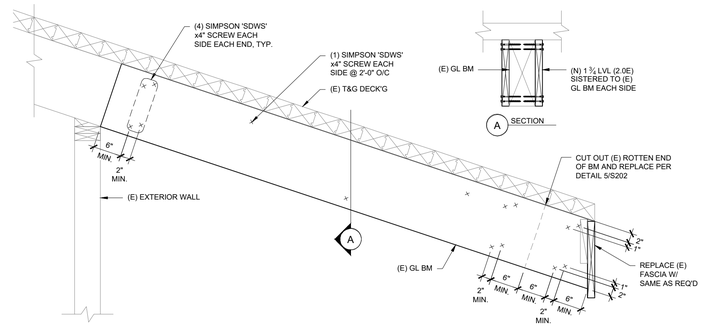
1 S202 **SECTION AT PARAPET EXTENSION**

23002.02–10 SCALE: 1" = 1'-0"



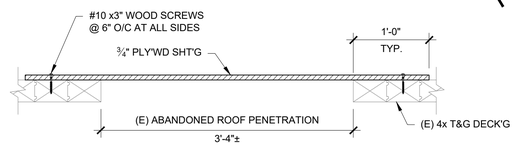
2 S202 **SECTION AT PARAPET EXTENSION**

23002.02–11 SCALE: 1" = 1'-0"



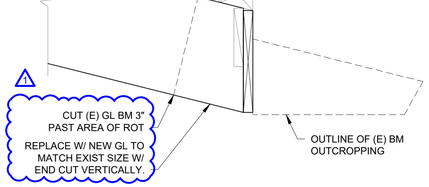
3 S202 **GL BEAM REPAIR**

23002.02–12 SCALE: 3/4" = 1'-0"



4 S202 **(E) ROOF OPENING COVER**

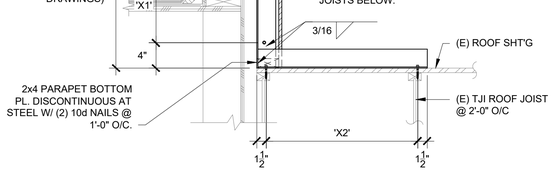
23002.02–13 SCALE: 1" = 1'-0"



5 S202 **GL BEAM REPAIR**

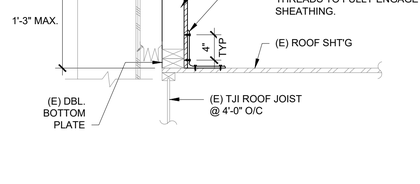
23002.02–15 SCALE: 1" = 1'-0"

'H' (IN)	X1 (IN)	X2 (IN)
18	6	24
24	12	24
30	12	24
36	12	24
42	24	24
48	24	24
54	36	48
60	36	48



6 S202 **SEISMIC JOINT SECTION**

23002.02–16 SCALE: 1" = 1'-0"



7 S202 **SEISMIC JOINT SECTION**

23002.02–17 SCALE: 1" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER
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EUGENE SCHOOL DISTRICT 4J

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ROOF REPLACEMENT

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1/4" 1/2" 1" 2"

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