**ADDENDUM NO. 2**

November 13, 2026
3 Pages

TO: BIDDERS AND SUPPLIERS FOR:
Lopez Island Library Reroof
Lopez Island Library
2225 Fisherman Bay Rd.
Lopez Island, WA 98261

FROM: HKP ARCHITECTS
204 West Montgomery Street
Mount Vernon, WA 98273
Phone: (360) 336-2155

**TO ALL BIDDERS AND SUPPLIERS:**

THIS ADDENDUM SHALL BE ATTACHED TO THE INSIDE COVER OF THE PROJECT MANUAL AND BECOME A PART OF THE TERMS OF THE CONTRACT DOCUMENTS. ACKNOWLEDGE RECEIPT OF ADDENDUM ON THE BID FORM.

## A. GENERAL COMMENTS

1. **Bids must be received prior to 1:00 p.m. local time on Friday, November 20, 2026** at Lopez Island Library, Community Room, 2225 Fisherman Bay Rd, Lopez Island, WA 98261.
2. To be added to the Plan Holders List, email rwolfe@hkpa.com
3. The last day to submit Substitution Requests during bid has passed. It was Tuesday, November 10, 2026, at 1:00pm (10 calendar days before Bid Opening).
4. The last day to submit written questions to the Architect has passed. It was Friday, November 13, 2026, at 1:00pm (7 calendar days before Bid Opening).

## B. SPECIFICATIONS

### GENERAL – ALL REPLACED SPECIFICATIONS

**NOTE** Revisions are summarized below. See attachments for full change in scope.

### DIVISION 00

| | | |
|---|---|---|
| **REVISE** | 00 00 10 "Table of Contents" | Revise the Table of Contents to add Section 11 01 14 Fall Arrest & Fall Restraint System. |

**DIVISION 07**

| | | |
|---|---|---|
| **REVISE** | 07 52 00 "Modified Bitumen Membrane Roofing" | Revised:<br>• To clarify insulation fastening method at Roofs 11 & 12<br>• To clarify FM Class requirements |

**DIVISION 11**

| | | |
|---|---|---|
| **ADD** | 11 01 14 "Fall Arrest & Fall Restraint System" | Add section to provide Basis of Design for fall protection anchors at steep slope roof areas and associated accessories. |

## C. DRAWINGS

**GENERAL – ALL REPLACED DRAWINGS**

**NOTE** Revisions are clouded and tagged "ADD2" in the attached revised sheets.

**NOTE** Revisions are summarized below. See attachments for full change in scope.

**A2.21 – ROOF PLAN**

**REPLACE** Replace sheet in its entirety.
Revisions include the addition of fall protection anchors at numerous locations.

**S1.10 - STRUCTURAL NOTES & DETAILS**

**REPLACE** Replace sheet in its entirety.
Revisions include the addition of notes and submittal requirements for fall protection anchors.

## D. WRITTEN QUESTIONS AND RESPONSES

**QUESTION:** Just wanted to make sure that any plywood replacement would be ½-inch CDX.

**RESPONSE:** Sheathing replacement shall be 15/32" (nominal ½"), APA rated, per the Wood Sheathing Schedule on S1.10.
CDX Plywood is acceptable for roof sheathing.

**QUESTION:** Would we be hand nailing the plywood or can we use pneumatic nail guns for the plywood install?

**RESPONSE:** Nailing may be installed with pneumatic tools or by hand.

## E. SUBSTITUTION REQUEST APPROVALS

1. Note: The following manufacturers are accepted or accepted as noted for purposes of bidding only. Final acceptance will depend upon compliance with the Contract Documents and review of the specified submittals. See attached Substitution Request Responses.

| SECTION | PARAGRAPH | DESCRIPTION | MANUFACTURER / PRODUCT |
|---|---|---|---|
| 07 31 13 | 2.3 | Underlayment / Temp Roof | Owens Corning* |

*Note: This Substitution Request is accepted as noted. Contractor is responsible for reading all notes in attached Substitution Request Response.

## F. ATTACHMENTS

1. Plan Holders List, Updated November 13, 2026
2. Specification Section 00 00 10 "Table of Contents" (revised)
3. Specification Section 07 52 00 "Modified Bitumen Membrane Roofing" (revised)
4. Specification Section 11 01 14 "Fall Arrest & Fall Restraint System" (new)
5. Drawing Sheet A2.21 Roof Plan (revised)
6. Drawing Sheet S1.10 Structural Notes & Details (revised)
7. Substitution Request – Underlayment / Temp Roof: Owens Corning

cc'd

Darren Hoerner, Library Director, Lopez Island Library

**END OF ADDENDUM**

**PLAN HOLDERS LIST**

| | |
|---|---|
| **UPDATED:** | Friday, November 13 |
| **PROJECT:** | Lopez Island Library Reroof |
| **CLIENT:** | Lopez Island Library |
| **HKP PROJECT NO.:** | 736 |

**PROJECT LOCATION:** Lopez Island Library
2225 Fisherman Bay Rd
Lopez Island, WA 98261

**BID INFORMATION:** https://lopezlibrary.org/reroof

**QUESTIONS:** Rebecca Wolfe, HKP Architects
rwolfe@hkpa.com
(360) 336-2155

| **PROJECT TEAM** | |
|---|---|
| **1. OWNER**<br>Lopez Island Library<br>2225 Fisherman Bay Rd.<br>Lopez Island, WA 98261<br>https://lopezlibrary.org<br>(360) 468-2265 | Darren Hoerner, Library Director<br>darren@lopezlibrary.org<br>Ann Grech, Board of Trustees Chair<br>agrech5@gmail.com |
| **2. ARCHITECT**<br>HKP Architects<br>204 West Montgomery Street<br>Mount Vernon, WA 98273<br>www.hkpa.com<br>(360) 336-2155 | Brian Poppe, Partner-in-Charge<br>bpoppe@hkpa.com<br>Christine Baldwin, Associate<br>cbaldwin@hkpa.com<br>Rebecca Wolfe, Project Architect<br>rwolfe@hkpa.com<br>Kelly Ray, Architectural Staff<br>kray@hkpa.com |
| **3. STRUCTURAL ENGINEER**<br>KingWorks Structural Engineers<br>600 Dupont Street, Suite B<br>Bellingham, WA 98225<br>www.king-works.com<br>(360) 714-8260 | Jack King, Principal<br>jack@kingworks-se.com |

| PLAN CENTERS | |
|---|---|
| **1. Seattle Daily Journal of Commerce**<br>83 Columbia Street, Suite 200<br>Seattle, WA 98104-1482<br>www.djc.com<br>(206) 622-8272, fax (206) 622-8416<br>plans@djc.com | **2. Builders Exchange of Washington, Inc. (BXWA)**<br>2607 Wetmore Avenue<br>Everett, WA 98201<br>www.bxwa.com<br>425-258-1303. fax 425-259-3832<br>production@bxwa.com |
| **3. Western Construction Resources**<br>2215 Midway Lane, Suite 208<br>Bellingham, WA 98226<br>www.wcrinc.com<br>(360) 738-0370, fax (360) 738-0371<br>info@wcrinc.com | **4. Construction Bid Source**<br>300 South Main St, Suite 212 #1013<br>Holly Springs, NC 27540<br>www.constructionbidsource.com<br>(866) 743-8243<br>contact@constructionbidsource.com |

| CONTRACTORS & SUPPLIERS | |
|---|---|
| **1. Olympic Roofing**<br>www.olympicroofingllc.com<br>(253) 878-5311 | Cowboy Chris: cowboy@olympicroofingllc.com<br>(206) 214-6969 |
| **2. Snyder**<br>snyder-builds.com<br>(425) 402-1848 | Darrin Evans: devans@snyder-builds.com<br>(425) 686-0482<br>Jesse Till: jtill@snyder-builds.com |
| **3. Luna Roofing**<br>lunaroofingwashington.com<br>(425) 426-5760 | John Holt: lunaroofing01@gmail.com<br>(425) 500-4080 |
| **4. Signature Roof Service**<br>www.signatureroofservice.com<br>(253) 236-8232 | Matt Minahan:<br>signatureroofservice@gmail.com<br>(253) 653-6052 |
| **5. Sound Roof Services**<br>soundroofservices.com<br>(206) 464-0441 | Chris Walters: chris@soundroofservices.com<br>(425) 314-9795 |
| **6. Faber Construction**<br>faberconstruction.com<br>(360) 354-3500 | Rob Hooper: robh@faberconstruction.com<br>(360) 812-1514<br>Nicholas Fresch:<br>nicholasf@faberconstruction.com |

| | | |
|---|---|---|
| 7. | **Fly Guys Roofing**<br>flyguysroof.com<br>(360) 317-5027 | Austin Reese: office@flyguysroof.com |
| 8. | **V&R Roofing**<br>www.vrroofing.net<br>(253) 328-5678 | Robert Gerlach: robg@vrroofing.net<br>(253) 576-5291 |
| 9. | **Wellman & Zuck**<br>www.wellmanzuck.com<br>(360) 671-3295 | admin@wellmanzuck.com |
| 10. | **Vitan Construction LLC**<br>vitanconstruction.com<br>(503) 575-ROOF | Alex Mikhats: alexm@vitanconstruction.com<br>(971) 236-7807 |
| 11. | **J.R. Swigart Company., Inc.**<br>https://swigartroofing.com/<br>(360) 727-7154 | Shyne Buenconsejo:<br>shyne.buenconsejo@jrswigart.com |

SECTION 00 01 10
TABLE OF CONTENTS

**DIVISION 00 – CONTRACTUAL GROUP**

ADD 1

00 01 01 Project Title Page
00 01 10 Table of Contents
00 01 15 List of Drawing Sheets
00 11 13 Advertisement for Bid
00 21 13 Instructions to Bidders
AIA Document A701™-2018, Instruction to Bidders
00 31 00 Available Project Information
00 31 26 Existing Hazardous Material Information
Asbestos Containing Material and Lead Based Paint Survey

ADD 1

00 41 13 Bid Form
AIA Document A310™-2010, Bid Bond
00 43 21 Allowance Form
00 43 22 Unit Prices Form
00 61 13 Performance and Payment Bond

ADD 1

AIA Document A201™-2017, General Conditions of the Contract for Construction
AIA Document A101™-2017, Draft Standard Form of Agreement between Owner and Contractor
AIA Document A101™-2017 Exhibit A, Insurance and Bonds
00 73 43 Prevailing Wages

**DIVISION 01 - GENERAL REQUIREMENTS**

01 10 00 Summary
01 21 00 Allowances
01 22 00 Unit Prices
01 25 00 Substitution Procedures
Substitution Request Form
01 26 00 Contract Modification Procedures
ASI Sample Form
CCD Sample Form
COP Sample Form
Change Order Sample Form
01 29 00 Payment Procedures
01 31 00 Project Management and Coordination
01 32 00 Construction Progress Documentation
01 32 33 Photographic Documentation
01 33 00 Submittal Procedures
01 40 00 Quality Requirements
01 41 00 Regulatory Requirements
01 42 00 References
01 50 00 Temporary Facilities and Controls
01 60 00 Product Requirements

01 73 00 Execution
01 74 19 Construction Waste Management and Disposal
01 77 00 Closeout Procedures
01 78 23 Operations and Maintenance Data
01 78 39 Project Record Documents

**DIVISION 02 – DEMOLITION**

ADD 1

02 41 19 Selective Demolition
02 83 00 Lead in Construction

**DIVISION 03 – CONCRETE – NOT USED**

**DIVISION 04 – MASONRY – NOT USED**

**DIVISION 05 – METALS – NOT USED**

**DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES**
06 10 00 Rough Carpentry
06 20 13 Exterior Finish Carpentry

**DIVISION 07 - THERMAL AND MOISTURE PROTECTION**
07 21 00 Thermal Insulation
07 26 00 Vapor Retarders
07 31 13 Asphalt Shingles
07 52 00 Modified Bituminous Membrane Roofing
07 62 00 Sheet Metal Flashing and Trim
07 92 00 Joint Sealants

**DIVISION 08 – OPENINGS – NOT USED**

**DIVISION 09 – FINISHES**
09 29 00 Gypsum Board
09 91 13 Exterior Painting
09 91 23 Interior Painting

**DIVISION 10 – SPECIALTIES – NOT USED**

ADD 2

**DIVISION 11 – EQUIPMENT**
11 01 14 Fall Arrest & Fall Restraint System

**DIVISION 12 – FURNISHINGS – NOT USED**

**DIVISION 13 – SPECIAL CONSTRUCTION – NOT USED**

**DIVISION 14 – CONVEYING EQUIPMENT – NOT USED**

**DIVISION 21 – FIRE SUPPRESSION – NOT USED**

**DIVISION 22 – PLUMBING – NOT USED**

**DIVISION 23 – HEATING, VENILATING, AND AIR CONDITIONING (HVAC) – NOT USED**

**DIVISION 26 – ELECTRICAL – NOT USED**

**DIVISION 27 – COMMUNICATIONS – NOT USED**

**DIVISION 28 – ELECTRONIC SAFETY AND SECURITY – NOT USED**

**DIVISION 31 – EARTHWORK – NOT USED**

**DIVISION 32 – EXTERIOR IMPROVEMENTS – NOT USED**

**DIVISION 33 – UTILITIES – NOT USED**

END OF SECTION

SECTION 07 52 00
MODIFIED BITUMEN MEMBRANE ROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
1. Roofing insulation.
2. Roofing coverboard.
3. Modified bitumen roofing membranes.
4. Miscellaneous accessories and materials.

B. Related Sections:
1. Section 06 10 00 “Rough Carpentry” for various wood blocking and miscellaneous wood at modified bitumen roofing.
2. Section 07 31 13 “Asphalt Shingles” for adjacent roofing materials.
3. Section 07 62 00 “Sheet Metal Flashing and Trim” for sheet metal flashing at asphalt shingle terminations and transitions.

C. Related Documents:
1. Drawings and general provisions of the Contract, including General and Supplemental Conditions and Division 01 Specification Sections, apply to this Section.

1.2 DEFINITIONS

A. Roofing Terminology: Refer to ASTM D 1079 for definitions of terms related to roofing work not otherwise defined in this Section.

1.3 PERFORMANCE REQUIREMENTS

A. General: Install a watertight, modified bituminous membrane roofing and base flashing system with compatible components that will not permit the passage of liquid water and will withstand wind loads, thermally induced movement, and exposure to weather without failure.




B. Wind Uplift: Adhere coverboard in compliance with FM windstorm classification, enhancing adhesion at the perimeter and corners as required.
1. Roofing system shall comply with the following:
a. Windstorm Classification: Contractor shall determine FM windstorm classification based on ASCE 7, Design Wind Loads as indicated on Structural Drawings and project specific conditions. Contractor shall install roofing system in compliance with windstorm classification based on current code requirements for wind resistance, project location, and project specific conditions.

C. Exterior Fire-Test Exposure: UL Class C; complying with ASTM E 108, for application and slopes indicated.

1.4 SUBMITTALS

A. Product data, Roofing Systems: Submit the name of the manufacturer and specification numbers and product names of all materials proposed for each type of product specified. Include in submittal installation instructions and general recommendations for each principal roofing system product required. Include data substantiating that the materials comply with requirements, including certificates and delivery logs for bulk materials.

B. Shop Drawings: Include plans, sections, details, and attachments to other work, for the following:
   1. Base flashings, cants, and membrane terminations.
   2. Crickets layout, saddles, and tapered edge strips, including slopes.

C. Tear Off: Submit tear-off work plan. Submit dump receipts prior to completion of the job.

D. Installer Certificates: Signed by roofing system manufacturer certifying that Installer is approved, authorized, or licensed by manufacturer to install specified roofing system and is eligible to receive the standard roofing manufacturer's warranty. Provide to Owner within 10 days after bid opening.

E. Manufacturers: Provide primary products, including each type of roofing ply, sealant and flashings, as specified from one manufacturer. Provide secondary products which are acceptable to, and approved by, the manufacturer of the primary products.

F. Maintenance Data: Manufacturer’s printed recommendations for proper maintenance of the specified roof system including inspection frequencies, penetration addition policies, temporary repairs, and leak call procedures. Include in the maintenance manuals specified in Contract Closeout.

G. Warranty: Sample copy of standard roofing manufacturer's warranty stating obligations, remedies, limitations, and exclusions of warranty. Sample copy of installer’s warranty stating obligations, remedies, limitations, and exclusions of warranty.

1.5 QUALITY ASSURANCE

A. Single Installer Responsibility: A single installer (contractor) shall perform the work, including sheet metal work, as required by this specification; and shall be a firm specializing in roofing system work who has been in business under the same name and ownership for at least 5 years, capable of showing successful installations similar to the work required for this project.
   1. The roofing contractor shall be certified as an approved applicator contractor by the manufacturer of the roofing system. Evidence of said certification shall be written to the owner and signed by the manufacturer and provide to owner within 10 days after bid opening.

B. Owner: Notify Owner, Architect, and Roofing Consultant 24 hours (one full working day) prior to commencement of work. The owner may provide special inspection of the roofing application. Such inspection will not relieve the contractor of responsibility for proper completion of the work.

C. Manufacturers: Provide and install primary products, including each type of roofing ply, and flashings, as specified from one manufacturer. Provide secondary products, which are acceptable to, and approved by, the manufacturer of the primary products. Install in accordance with manufacturer's instructions.

D. Pre-roofing conference: Prior to the installation of the roofing system, meet at the project site with the roofing contractor, the Owner, Architect, Roofing Consultant, and other entities interested in the performance of the roofing system. Review the requirements (contract documents), submittals, proposed installation schedule, location and storage of materials, requirements for inspections and testing or certifications, forecasted weather conditions, governing regulations, insurance requirements, proposed installation procedures, and any other items that may be required for completion of the project. If meeting ends with substantial disagreement between parties, determine how disagreement will be resolved, and set date for reconvened meeting.

1.6 WARRANTY

A. Standard Roofing Manufacturer's Warranty: Submit a written warranty, without monetary limitation, signed by roofing system manufacturer agreeing to promptly repair roof leaks from defects in materials or workmanship for the warranty period listed below. Warranty shall cover work in this Section, including membrane roofing, base flashing, substrate board, fasteners, and flashing, and flashing.
   1. Warranty Period: 20 years.

B. Special Project Warranty: Submit roofing Installer's warranty, signed by Installer, covering Work of this Section, including membrane roofing, base flashing, substrate board, fasteners, and flashing, if any, for the following warranty period:
   1. Warranty Period: 2 years from date of Substantial Completion.

1.7 DEMOLITION

A. Owner will occupy the building during the roof replacement project. Coordinate demolition with the architect and owner.

B. Do not throw any debris or material from above grade areas to grade. Construct chutes or use other methods to remove debris safely to on-grade disposal collection areas or containers. Provide containers for debris. Do not use owner’s dumpsters or recycle bins.

C. Regulatory Requirements:
   1. Comply with governing EPA and PSAPCA notification regulations before starting demolition. Comply with hauling and disposal regulations of authority having jurisdiction.

2. Products in or on the existing roof assemblies do contain asbestos. Test results are available from the Owner. Conform to WISHA and Puget Sound Clean Air Agency (PSCAA) regulations related to removal and disposal of any asbestos containing materials.

D. Maintain existing utilities in service and protect them against damage during demolition operations.
1. Coordinate any interruption of existing utilities with the architect and owner. Provide temporary services during interruptions to existing utilities, as acceptable to the owner and governing authorities.
2. Provide not less than seventy-two (72) hours notice to owner if shutdown of service is required during changeover.

1.8 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Delivery: Material shall be delivered in the manufacturer's original sealed and labeled containers and in quantities sufficient to allow continuity of application.

B. Storage: Obtain permission of the Engineer for roof top storage. If roof top storage of materials is used, do not exceed the allowable load for the structure or 25 psf. Materials shall be stored out of direct exposure to the elements. Roll goods shall be stored on end for built-up roof products, on side for single ply roof products, or as appropriate, on a clean, flat surface. Material shall be protected against moisture so as not to allow moisture to penetrate the cover or condensation to occur beneath the cover.

C. Handling: Material shall be handled in such a manner as to preclude damage and contamination with moisture or foreign matter.

D. Do not leave unused felts and other sheet materials on the roof overnight or when roofing work is not in progress unless protected from weather and moisture and unless maintained at a temperature exceeding 50 deg F (10 deg C).

E. Deliver and store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer.

F. Protect insulation, substrate board, and roofing materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with manufacturer's written instructions for handling, storing, and protecting during installation.

1.9 PROJECT CONDITIONS

A. At ambient temperatures of 40 deg F or less, including wind chill, precautions must be taken to ensure that cements and adhesives maintain the minimum acceptable temperature at the point of application as recommended by the roofing materials manufacturer.

B. Roof deck shall be clean and dry and accepted by the roofing manufacturer before any roofing work proceeds. Roofing shall not proceed during precipitation, nor when moisture from dew is present, or if precipitation or other moisture source is expected.

C. Protection against staining and mechanical damage shall be provided for adjacent surfaces as required during application of roofing.

D. Dust and fumes inside the building created by construction operations, including vibrations, will be problematic for existing interior equipment and building occupants. The contractor is responsible for maintaining the building interior in a dust and dirt free condition. Prior to commencement of work, the contractor shall survey the building interior with the architect and owner and make all necessary protections to prevent dust, debris, and fumes from entering the building.
   1. During the construction period, charcoal filters approved by the owner and architect must be placed over all outside air intakes.
   2. Materials and equipment that emit fumes such as exhaust and adhesives, must be placed in a location that minimizes vapors from entering the building and be removed from the site at the earliest opportunity.
   3. Coordinate temporary mechanical unit shut down and start up with the owner and architect as required to minimize fume intake into the buildings.

PART 2 - PRODUCTS

2.1 ROOFING MATERIALS

A. Roof Assembly: SBS or APP Modified Built-up Roofing to consist of the following acceptable system assembly or approved:

| | Option #1: Siplast | Option #2: Soprema |
|---|---|---|
| *Existing Roof Deck* | Plywood deck (contractor to verify) | same |
| *Temp Roof* | Paradiene 20 SA, SBS ply sheet, glass reinforced, self-adhered with all laps hot air welded with leister gun. | Sopralene Stick, SBS modified bitumen base ply, self-adhered with all laps hot air welded with leister gun. |
| *Rigid Insulation* | Flat Stock H-Shield CG by Hunter Panels or approved. Polyisocyanurate insulation to achieve listed thermal values. Fully adhere in low-rise foam adhesive. | ADD 2 |
| *Tapered Insulation (where indicated in Drawings)* | Tapered H-Shield CG by Hunter Panels or approved. Tapered polyisocyanurate. Fully adhered all tapered insulation layers above flat stock insulation in low-rise foam adhesive. | |

| | | |
|---|---|---|
| | (Reference drawings for finish slopes). ADD 2 | |
| *Substrate Board* | 1/4" DensDeck Prime fully adhere in low-rise foam adhesive. | same |
| *Base Sheet* | Paradiene 20, SBS ply sheet, glass reinforced, applied in cold adhesive with all seams hot air welded | Elastophene Sanded 3.0, SBS ply sheet, fiberglass reinforced, applied in cold adhesive with all seams hot air welded |
| *Surface Sheet* | Paradiene 30 FR, SBS granulated capsheet, glass reinforced, applied in cold adhesive with seams hot air welded. Color to match new asphalt shingles. | Sopralene 250 FR GR, SBS granulated capsheet, glass and polyester reinforced, applied in cold adhesive with seams hot air welded. Color to match new asphalt shingles. |
| *Flashing Ply Sheet* | Paradiene 20 SA, self-adhered SBS ply sheet, self-adhered to a primed substrate with seams hot air welded | Sopralene Stick, self-adhered SBS ply sheet, self-adhered to a primed substrate with seams hot air welded |
| *Flashing Surface Sheet* | Parafor 30, SBS granulated capsheet, applied in cold adhesive (or asphalt roofing cement) with all seams hot air welded. Color to be selected from manufacturer's full range. | Sopralene 250 FR GR, SBS granulated capsheet, glass and polyester reinforced, applied in cold adhesive (or asphalt roofing cement) with all seams hot air welded. Color to be selected from manufacturer's full range. |

2.2 MISCELLANEOUS PRODUCTS

A. Cold Adhesive: Cold adhesive shall be a blend of special adhesive asphalts and safe, high-flash, quick drying solvents, type as approved by manufacturer.

B. Siplast: PA-311 M Adhesive. Use adhesive recommended by the manufacturer for application of the flashing surface sheet.

C. Soprema: FM Adhesive "VOC" Use adhesive recommended by the manufacturer for application of the flashing surface sheet.

D. Asphalt Roofing Cement: Plastic cement approved by the manufacturer.

E. Sealant to be a moisture cured product, such as Chem Link M-1, or equivalent.

ADD 2

F. Fasteners for Securing Top of the Baseflashing Membrane: 1" Simplex annular shank nails with square head caps, or approved. Where penetrating into steel substrates, use approved screws and plates.

G. Provide 4#/sf lead flashing and caps for soil stacks and conduit penetrations. Pre-prime with asphalt primer and set in cold adhesive as detailed in manufacturer's instructions. Where soil stacks exceed height of lead flashing, provide a boot, 2 wraps of self-adhesive uncured EPDM batten seam cover strip, stainless steel clamping ring at the top edge, and sealant.




H. Provide 4 lb/sf lead flashing for drain sumps. Pre-prime with asphalt primer and set in cold adhesive as detailed in manufacturer's instructions.

I. Asphalt primer to be ASTM D-4173, or as approved by the system manufacturer.

J. Cants: Johns-Manville, “FesCant Plus”, “US Intec Inc, “Permalite Cant Strip”, or approved, cant strip, 1 ½”x48” with 4” face (3” high) and corner cut-outs.

K. Liquid Applied Flashing Membrane (at locations shown on the drawings):
1. Primer: As recommended by the manufacturer.
2. Membrane: Derbigum Derbiflash, Siplast Parapro 123, or Soprema Alsan RS.
3. Reinforcement Fleece: 165 gram fleece, or as recommended by the manufacturer. All systems are to have reinforcing fleece.

2.3 TAPERED EDGE STRIPS

A. Johns-Manville, "Tapered Fesco Board", "US Intec Inc., "Tapered Permalite", or approved. Slope as required.

2.4 SUBSTRATE BOARD

A. DensDeck Prime Roof Board or approved.
1. Thickness: 1/4 inch.
2. Composition: Fiberglass mat-faced gypsum with nonasphaltic, highly filled proprietary heat-cured coating on one side.
3. Size: Nominal 4 feet by 8 feet.
4. Edges: Square.

2.5 RIGID INSULATION

A. Flat Stock and Tapered Roof Insulation: Rigid closed cell polyisocyanurate foam insulation with premium performance coated all glass facers, 48" x 96". Provide 2 ½ inch continuous flat stock base layer. Tapered insulation shall provide a minimum ¼ inch per foot finished slope unless otherwise depicted in the architectural drawings. Minimum edge thickness of tapered insulation shall be ¼ inch. Maximum thickness of any single layer shall be 2 ½ inch. ASTM C 1289, Type II, Class 2, Grade 2, (20 psi).
1. Verify insulation required by membrane manufacturer for system warranty applications.

PART 3 - EXECUTION

3.1 DEMOLITION

A. Remove the existing roof assembly, including roof membrane down to the existing wood deck and dispose.

B. Loosen, remove, and legally dispose of all existing membrane flashings, cants, sheet metal flashing, counterflashing, copings, and overflow scuppers from curbs,

parapets, and sidewall conditions, unless otherwise indicated in the project drawings.

C. Clean and prime all roof drains. Wire brush all rust and asphalt from the drain bowl and flange. Check all drains for cracks and damage. Remove all broken fasteners. Prime the entire surface of the drain bowl and flange.

D. Broom clean all substrates of dust, debris, and other substances detrimental to the new roofing following preparation work on all roof surfaces.

3.2 PREPARATION

A. General: All surfaces shall be swept clean prior to commencement of roofing.

B. All existing flashing and baseflashing membrane shall be removed, including locations shown on the roof plan, prior to installation of substrate board.

C. Do not begin placement of the roofing system until the roofing manufacturer’s representative has examined surfaces to receive the roofing system and has determined that the surfaces are acceptable.

D. Remove water or any other substance that would interfere with bonding of the roofing system.

3.3 GENERAL INSTALLATION REQUIREMENTS

A. Install SBS and APP modified built-up roofing system according to roofing system manufacturer's written instructions and applicable recommendations of NRCA/ARMA's "Quality Control Recommendations for Polymer Modified Bitumen Roofing."
   1. Install roofing system according to applicable specification plates of NRCA's "The NRCA Roofing and Waterproofing Manual."

B. Start installation of modified built-up membrane roofing in presence of roofing system manufacturer's technical personnel.

C. Cant Strips: Install and secure preformed 45-degree cant strips at junctures of modified built-up membrane roofing system with vertical surfaces or angle changes greater than 45 degrees.

D. Coordinate installing roofing system components so wood decking, substrate board, or base ply of the roofing assembly are not exposed to precipitation or left exposed at the end of the workday or when rain is forecast.

E. There are to be no torches used for the installation of the modified bitumen roofing system.

3.4 TAPERED INSULATION INSTALLATION FOR CRICKETS AND PRIMARY SLOPE (WHERE DEPICTED IN THE ARCHITECTURAL DRAWINGS)

A. Install with long joints in continuous straight lines, perpendicular to roof slopes with end joints staggered between rows. Tightly butt boards together. Offset joints between layers. Loose lay per project uplift requirements with screws and plates, achieving a minimum 3/4 inch penetration through the underside of the roof deck.

3.5 SUBSTRATE BOARD INSTALLATION

A. Install substrate board with long joints in continuous straight lines, perpendicular to roof slopes with end joints staggered between rows and joints offset from underlying insulation layer. Tightly butt substrate boards together.

ADD 2

Install substrate board in low rise adhesive in compliance with specified windstorm classification. Enhance perimeter and corner adhesion as required.

3.6 APPLICATION - ROOFING MEMBRANE

A. General: Application shall be in accordance with roofing system manufacturer's instructions and the following requirements. Should the manufacturer's and these specifications conflict, use the more stringent requirements.

B. Roofing Membrane
1. All layers including base and surface sheet and shall be laid free of wrinkles, creases, or fishmouths and shall be laid at right angles to the slope of the deck. Sheets shall be laid directly behind the cold adhesive applicator and broomed in or rolled with a weighted roller, per the manufacturer. All side and end laps to be a minimum of 3 inches. Lap seams in the base sheet, and cap sheet shall not coincide with each other. Courses shall be staggered sufficiently to prevent stacked laps.

C. Baseflashings
1. The flashing ply sheet reinforcing shall be lapped a minimum of three (3) inches to itself and shall extend a minimum of four (4) inches beyond the toe of the cant and up the parapet wall, under the metal counterflashing, or wrapping the top of the wall to one (1) inch below the nailer on the outside face.
2. The flashing cap sheet shall be lapped a minimum of three (3) inches to itself and shall extend a minimum of six (6) inches onto the heavyweight cap sheet surface. Lap seams in the reinforcing layer shall not coincide with lap seams in the cap sheet flashing layer, or laps seams in the field cap sheet layer. The reinforcing sheet shall be self-adhered and mechanically attached to the wall at the leading edge. The flashing cap sheet shall be applied in asphalt roofing cement over the reinforcing layer and mechanically attached to the wall at the leading edge. All seams shall be welded with hot air leisters. All surfaced flashing sheets shall be cut off the end of the roll and applied vertically, always working to selvedge.

D. Miscellaneous Items

1. Prime metal flanges as required with a uniform coating of asphalt primer. All flanges shall be set in a smooth, even bed of asphalt cement.
2. Use 4 lb/sf lead for flashings. Pre-prime with asphalt primer and set in mastic as detailed in the manufacturer's instructions. Field solder conduit flashings as necessary. Provide a boot at the top of lead flashings on conduit; 2 wraps of self-adhesive uncured EPDM batten seam cover strip, stainless steel clamping ring at the top edge, and sealant at the top.
3. Install 4 lb/sf lead for flashing at cast iron drains. Pre-prime with asphalt primer and set in mastic as detailed in the manufacturer's instructions.
4. Overnight seals: Exercise care that moisture does not enter beneath completed section of the roof. Temporarily seal loose edges of the membrane daily and when weather is threatening. Night seals can be built using plastic cement and roofing felts and constructed to withstand protracted periods of service. Night seals must be completely removed, all felts employed removed, prior to the resumption of roofing.
5. All exposed cap sheet edges at waste stacks, vent stacks, etc., shall be caulked with sealant, tooled into the joint.
6. Raise conduit penetrations, insulated pipes, soil stacks, vents, and curbs (including skylight curb) as necessary to obtain 8 inch minimum height above the finished roof surface. Include rewiring and duct extension as necessary to raise or extend conduit or ducts.
7. Place conduit lying on the roof on new pressure treated wood blocking placed on protection pad at a maximum of 8 feet on center. Adhere traffic pad to block, and not to roofing.
8. Electrical and mechanical work to be performed by journeyman worker experienced and trained in work performed to the building code.
9. Verify all drain lines and downspouts are functional prior to the start of work. Contractor to be responsible to ensure drains are free draining upon completion of roofing work.
10. Secure top of baseflashing with 1" ribbed shank Simplex Large Head roofing nails at 8" o.c.
11. Liquid Applied Flashing Membrane:
    a. Apply primer direct in one step utilizing a brush or paint roller. Do not allow ponding.
    b. Allow primer to cure for a minimum of twelve (12) hours, or as recommended by the manufacturer. Exposure of the primer in excess of five (5) days or premature exposure to moisture may require removal and application of new primer.
    c. Mix resin components per manufacturer's recommendations.
        1) Once the mix is ready, apply liberally to the prepared surface with a roller using a broad, even stroke.
    d. Install membrane flashing system in accordance with the manufacturer's requirements / recommendations. Provide system with base flashing, counter flashing, and all other flashings required for a complete watertight system.
    e. Flashings shall extend a minimum of eight inches (8") above finished membrane level and a minimum of six inches (6") onto horizontal deck surface.
    f. Fleece sections shall overlap each other a minimum of two inches (2").

g. Prime walls, curbs, etc. with 2-component polyurethane primer. Follow manufacturer's written instructions for primer cure.
h. Work wet membrane to avoid any blisters, openings, or lifting at corners, junctions, and transitions. Assure full resin saturation of fleece.

12. Modified bitumen roofing membrane lapping onto stainless steel transition flashings:
    a. Terminate modified bitumen membrane edges with 8" wide continuous strip of reinforced fluid applied membrane. Embed granules into horizontal surfaces of reinforced fluid applied membrane.

## 3.7 FIELD QUALITY CONTROL

A. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion and submit report to the Engineer.
    1. Notify the Architect two (2) working days in advance of the date and time of inspection.

## 3.8 PROTECTION

A. The Contractor shall protect system from all other contractors and activities during and after completion. Any damage to the system shall be repaired by contractor prior to acceptance.

## 3.9 CLEAN-UP

A. The Contractor shall remove all masking, protection, equipment, materials, and debris from the work and storage areas and leave those areas in an undamaged and acceptable condition.

END OF SECTION

SECTION 11 01 14
FALL ARREST AND FALL RESTRAINT SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
1. Fall Protection Anchors.

B. Related Requirements:
1. Section 06 10 00 “Rough Carpentry”
2. Section 07 31 13 “Asphalt Shingles”
3. Section 07 90 05 “Joint Sealers”.

C. Related Documents:
1. Drawings and general provisions of the Contract, including General and Supplemental Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUBMITTALS

A. Qualification Data: For manufacturer, installer, and design engineer.

B. Product Data: Provide product criteria, characteristics, accessories, performance data, and limitations.

C. Shop Drawings: Indicate required flashings and sealing at roofing penetrations.
1. Show rooftop locations of fall arrest anchors, configurations, dimensions, attachment details, and components required for complete fall arrest system complying with provisions of this Section and all applicable Federal, State and Local Regulations
2. Show interface with adjacent materials.

D. Delegated Design Submittal: For fall protection attachment to structure and any additional structural members required, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

E. Manufacturer's Installation Instructions: Indicate special preparation of substrate, installation and attachment methods, and perimeter conditions requiring special attention.

F. Maintenance Data: For users operation and maintenance of system including:
1. Methods for maintaining system's materials and finishes.
2. Precautions about cleaning materials and methods that could be detrimental to components, finishes, and performance.

G. Qualification Data: For professional engineer's experience with providing delegated design engineering services of the kind indicated, including documentation that engineer is licensed in the State in which Project is located.

1.3 CLOSEOUT SUBMITTALS:

A. Project Record Drawings: Show location of each fall arrest anchor as installed.

B. Submit two copies of reduced plastic laminated as-built drawing showing anchor locations and details for posting near roof access points.

C. Maintenance and Operating Data: Include manufacturer's maintenance procedures, safety inspection log book for yearly inspections, manufacturer's videotape illustrating usage of fall arrest and fall restraint systems, and on-site personal instructions to Owner's personnel in use of equipment.

D. Full Body Harness, Retractable Life Lines, Horizontal Life Lines, and Other Accessory Equipment: Deliver to Owner prior to Substantial Completion. Obtain receipt signed by Owner.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualification: Company specializing in the manufacture of work specified in this section with minimum 5 years’ experience.
   1. Carrying specific liability insurance (products and completed operations) in the amount of $2,000,000.00 to protect against product/system failure.

B. Installer Qualifications: Company approved by manufacturer, specializing in performing the work of this section with minimum 5 years’ experience on projects of similar size and complexity.

1.5 DELIVERY, STORAGE, AND HANDLING

A. As required by the manufacturer for a warrantable installation of the installed products to meet the Performance and Design Criteria.

1.6 WARRANTY

A. Manufacturer’s Finish Warranty: Manufacturer’s Standard 1 year warranty from the date of Substantial Completion.

B. Installation Warranty: Contractor shall correct defective Work within a 2 year period after Date of Substantial Completion; remove and replace materials at no extra cost to Owner.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

A. Delegated Design: Engage a qualified professional engineer, as defined in Section 01 40 00 "Quality Requirements," to design fall protection system, including attachment to building construction.

### 2.2 MANUFACTURERS

A. Specification is based on products by Guardian Fall Protection or comparable product.
   1. Comparable products by one of the following are also acceptable. See Section 01 60 00 - Product Requirements for submittal requirements.
      a. Tractel: www.tractel.com.
      b. Pro-Bel Group: www.pro-bel.ca
   2. Substitutions for products by manufacturers other than those listed above: See Section 01 60 00 - Product Requirements.

### 2.3 DESCRIPTION

A. System of components designed to allow movement of persons over roof while attached by full body harness in accordance with requirements of ASME A120.1 and OSHA 1910.66 app C for structural connections and components.

### 2.4 MATERIALS

A. Fall Protection Anchors:
   1. Basis of Design: Single D-Ring Ridge-It Anchor by Guardian Fall Protection Products.
      a. Substitutions for products by manufacturers other than those listed above: See Section 01 60 00 – Product Requirements. Comparable and substituted products will be judged based on the following performance criteria, features, warranty, and qualifications.
      b. Features:
         1) Weight: 2.9 pounds.
         2) Length: 11”
         3) Height: 1”
         4) Minimum Breaking Strength: 5,000 lbs.

### 2.5 ACCESSORIES

A. All accessory materials required by the manufacturer for a warrantable installation of the installed products in a manner that meets the Performance and Design Criteria.

B. Manufacturer's optional accessories required by the project:
   1. Shock absorbing lanyard as recommended by manufacturer.
   2. Provide (1) Full Body Harness: Series 5 Harness manufactured by Guardian Fall Protection Products, or approved.
      a. Size: Large

b. Include Side D-Rings
c. Include Shoulder D-Rings
d. Sternal D-Ring Quick-Connect
e. Quick-Connect Chest Buckle
f. Quick Connect Leg Buckle

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify conditions meet the manufacturer's requirements before starting work.

3.2 PREPARATION

A. Prepare surfaces to receive work in accordance with manufacturer's instructions.

3.3 INSTALLATION

A. General: Install all materials in accordance with manufacturer's instructions based on conditions present.

3.4 FIELD QUALITY CONTROL

A. Field test anchors:
1. Test all anchors.
2. Test using load cell test apparatus in accordance with manufacturer's recommendations.

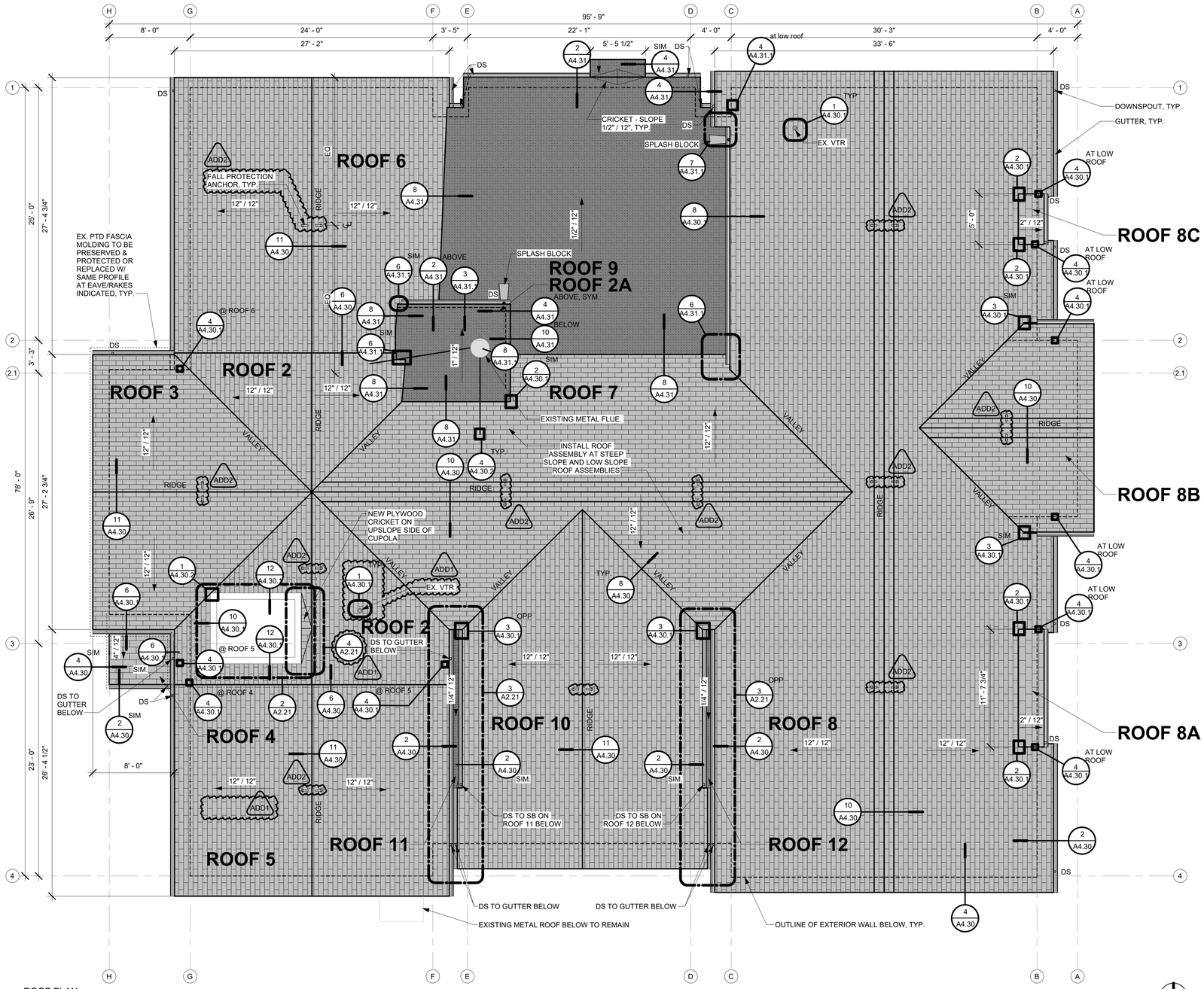
3.5 ADJUSTING

A. Adjust and lubricate moving parts for proper operation.

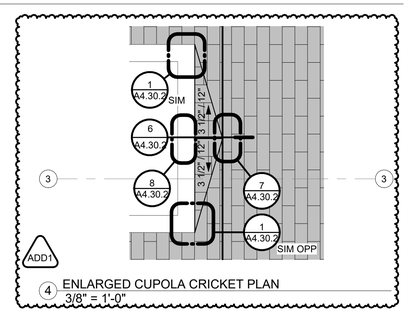
3.6 PROTECTION

A. Protect installed work as required by the manufacturer to maintain product performance, design criteria and warranty.

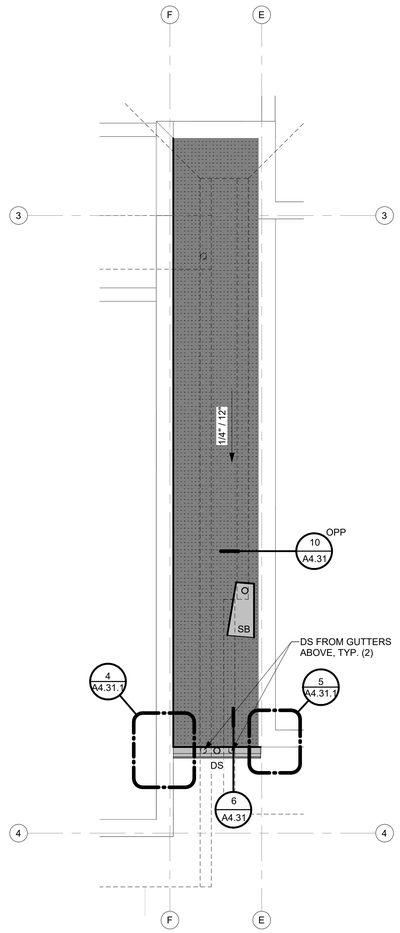
END OF SECTION



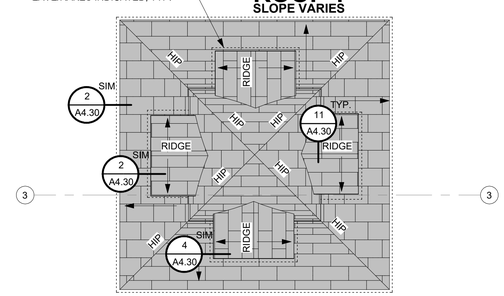

1 ROOF PLAN
3/16" = 1'-0"




4 ENLARGED CUPOLA CRICKET PLAN
3/8" = 1'-0"




3 ENLARGED ROOF 11 PLAN
3/8" = 1'-0"




2 ENLARGED CUPOLA ROOF PLAN
3/8" = 1'-0"

## LEGEND

| | |
|---|---|
| | EXISTING, TO REMAIN. NO WORK, TYP. |
| | NEW WORK |
| | NEW WORK - STEEP SLOPE ROOF ASSEMBLY (SEE A0.30) |
| | NEW WORK - LOW SLOPE ROOF ASSEMBLY (SEE A0.30) |


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6961 REGISTERED ARCHITECT BRIAN D. HOPPE STATE OF WASHINGTON

**Owner:**
**LOPEZ ISLAND LIBRARY**
**2225 FISHERMAN BAY RD.**
**LOPEZ ISLAND, WA 98261**

**Project Title:**
**LOPEZ ISLAND LIBRARY REROOF**
**2225 FISHERMAN BAY RD.**
**LOPEZ ISLAND, WA 98261**

Sheet Contents:
ROOF PLAN

Revisions:

| Rev. | Date |
|---|---|
| ADD1 | 11/09/2026 |
| ADD2 | 11/13/2026 |

Drawn By: KR, RW
Checked: CB, BP
Date: 10/29/2026
Job No.: 736
Sheet No.:
A2.21

## -- GENERAL NOTES --

DESIGN BASIS: Designed in accordance with the 2021 International Building Code (IBC). Project is a re-roof classified as an alteration level 1 in the IEBC. Structural requirements are defined in IEBC 706.2 which requires increase in demand from gravity loading be less than 5% unless analysis is performed and/or gravity members are reinforced.

1. RISK CATEGORY: II (per IBC Table 1604.5)

2. DESIGN DEAD / LIVE LOADS
   - Roof Dead Load: Varies - 12 PSF typical
   - Roof Live Load: 20 PSF Typical

3. DESIGN SNOW LOADS (ASCE 7-16)
   - Ground Snow Load: Pg = 20 PSF
   - Flat Roof Snow Load: Pf = 14 PSF
   - Minimum Uniform Roof Snow Load = 25 PSF (unreducible)

4. DESIGN WIND LOADS (ASCE 7-16)
   - V = 110 MPH / V(asd) = 85 MPH
   - Exposure: D / Internal Pressure Coefficient: +/- 0.18
   - Components & Cladding: Components and cladding-wind pressures to be used for the design of exterior components and cladding (by others) shall be determined in accordance with ASCE 7 and the IBC.

5. DESIGN SEISMIC LOADS (ASCE 7-16)
   - Site Class = D (default)
   - Seismic Design Category = D / Importance Ie = 1.0
   - Ss = 1.20g / S1 = 0.43g
   - Sds = 0.96g
   - Building System: Bearing Wall System
   - SFRS: Light frame wood shear walls with structural panels
   - Lateral analysis of the structure is not required for Level 1 alterations.

6. QUALITY: Contractor shall ensure high standards of workmanship throughout, with strict adherence to the contract documents and all governing codes and standards.

7. DESIGN RESPONSIBILITY: Kingworks is responsible only for the design of the structural modifications as shown in the contract documents. Design of all secondary structure or non-structural elements are by others.

8. DISCREPANCIES: Notify the Architect immediately of any discrepancies between these notes, the contract drawings, the specification, or the governing code. The Architect shall reply in writing. Any related work performed by the Contractor prior to receiving a reply from the Architect is at the Contractor's sole risk. For purposes of bidding, the most stringent of the conflicting documents shall apply.

9. VERIFICATIONS: Verify all existing conditions; verify all dimensions in the field; verify architectural, mechanical and electrical openings for size, location and number; notify the Architect of any discrepancies, substandard existing conditions, or conditions not included in or contrary to the Contract Documents prior to shop drawing submittal or construction.

10. DRAWING COORDINATION: Coordinate the structural drawings with drawings from all other disciplines.

11. COMPLETED FORM: The structure shown in these drawings is designed to be stable and to resist the loads above only in a fully completed form. Contractor shall ensure that the structure is adequately braced and shored during construction for all temporary loads until all elements are in place, and shall ensure that temporary loadings do not exceed the allowable capacity of any structural elements both before and after these elements are in place.

12. MEANS AND METHODS: Contractor is solely responsible for site safety, coordination, procedures, construction methodology, shoring, bracing, sequencing, and all other means and methods of construction except where specifically shown in the Contract Documents.

13. PROTECTION AND BRACING: Contractor is solely responsible for the protection of existing buildings, utilities, streets, equipment, etc. during construction. Provide temporary bracing and protection as required.

14. SCALING: Do not scale drawings. See architectural drawings for dimensions, and notify the Architect of any discrepancies.

15. ALTERATIONS: Any holes or other alterations to the structure which are not specifically detailed on the Contract Drawings shall be submitted to the engineer for approval.

16. MEP CONNECTIONS TO STRUCTURE: Unless specifically shown otherwise in the Contract Documents, all anchorage, support, and seismic bracing of mechanical and electrical equipment, piping, ceilings, fixtures and other non-structural components shall be designed by a Washington State Licensed Professional Engineer and installed by the Contractor. The engineer shall be retained by the Contractor, and the Contractor is responsible for all associated engineering, component, and installation costs. Design shall be per ASCE 7 Chapter 13.

17. DELIVERY, STORAGE AND HANDLING: All products shall be delivered, stored, and handled according to the Manufacturer's recommendations and installation instructions. Protect all items from damage, moisture, corrosion, or other deterioration before, during and after installation.

18. COPYRIGHT: These drawings, and all designs shown within these drawings, are copyrighted by Kingworks Structural Engineers. Duplication is not permitted without written permission. The designs shown herein are intended for this project only and may not be used on any other project or for any other purpose.

## -- SUBMITTALS --

1. GENERAL: Provide PDF of all submittals to the Architect. Allow two weeks for review. Submittals will be reviewed for general conformance to the contract documents. Responsibility for adherence to the contract documents lies solely with the Contractor, including but not limited to dimensions, sizes, connections, and quantities.

2. CONTRACTOR REVIEW: Contractor shall review, mark, and stamp all submittals before submittal to the Architect. Unreviewed or unstamped submittals will be returned to the Contractor without review.

3. RESUBMITTALS: Resubmittals shall have all revisions clearly identified with "drawing clouds" and revision dates. KW shall not be responsible for review of any unmarked revisions.

4. SHOP DRAWINGS: To include typical and unique conditions and all connections, shall be submitted to the Structural Engineer of Record for the following products prior to fabrication. Shop drawings shall clearly demonstrate the Contractor's understanding of the contract documents. The following shall be considered minimum structural submittals for this project:
   - Proposed fall protection anchor locations, and descriptions of anchors and the framing to which they will be fastened.

   ADD2

5. DEFERRED SUBMITTALS: Shall be designed by a Washington State Licensed Professional Engineer (Structural Engineer where required by jurisdiction). Submittals shall clearly indicate all loads and reactions to be imposed on the primary structure. Submittals shall include all components and connections required to perform the work. Where the Contract Documents indicate member or connection qualities and/or quantities, these shall be considered a minimum and remain the design responsibility of the component engineer to increase as required to satisfy load and deflection requirements. Deferred submittals shall include calculation set. Both the calculation set and all related shop drawings of the deferred submittal shall be sealed prior to submission. The Architect shall forward deferred submittals to the Building Official where required. The following shall be considered Deferred Submittals on this project:
   - Non anticipated

6. SUBMITTAL REVIEW COMMENTS: Engineer marks and comments on shop drawings and other submittals are a normal and expected part of the submittal process, and are not to be used as a basis for change orders except in cases where these marks result in or derive from substantial changes to the Contract Drawings. Time required to revise and resubmit any submittal shall be considered inherent to the submittal review process and shall not be deemed a change order. If discrepancies are discovered between the submittals and the Contract Documents (either before, during, or after submittal review), the Contract shall govern and be implemented unless specifically directed otherwise.

## -- WOOD FRAMING --

1. REFERENCED STANDARD: All work shall conform to the IBC unless otherwise indicated.

2. MATERIALS (unless otherwise noted in the drawings)
   - Joists / Rafters: Doug Fir #2

3. MOISTURE CONTENT: All sawn lumber, including heavy timber, shall be kiln-dried to a maximum moisture content of 19%. For pressure-treated framing, kiln-drying shall occur after treatment.

4. NAILS: Nail sizes shown are 'common' (not "box") uon. 8d = 0.131"x2.5", 10d = 0.148"x3", 12d = 0.148"x3.25", 16d = 0.162"x3.5". Typical nailing not otherwise shown in the drawings shall be per IBC Table 2304.10.1. Where nailing occurs in two or more rows, the on-center spacing indicated in the drawings shall be for each row. Where on-center nail spacing for a single row is less than 6" (for 12d and larger) or less than 4" (for 10d and smaller), stagger each row of nails into two rows offset by 1/2" min. All nails shall maintain 3/8" min to framing or sheathing edges.

5. ALTERATIONS: Do not notch any structural wood members. See typical detail for allowable hole locations and sizes (for mechanical or electrical utility passage).

6. EXTERIOR WOOD PROTECTION: Provide flashings, sealants and finishes per the Architect in order to protect all exterior wood surfaces and post/beam ends from moisture.

7. GALVANIZING: All steel components, hardware, or fasteners for wood framing members exposed to moisture, high humidity, or in contact with pressure treated lumber shall be hot-dip galvanized per ASTM A153. Light gage connectors shall be galvanized per ASTM A653, G185 minimum (Simpson "Z-max" or approved equal). The above described galvanizing requirements specifically include, but are not limited to: nails, screws, bolts, washers, nuts, anchor bolts, threaded rods, cast-in-place and post-installed anchors, Simpson hardware, and weldments. (Exception: not required for SBX/DOT borate-treated wood protected from weather.)

8. SHEATHING: Place roof and floor sheathing with face grain oriented in the direction of span. Offset adjacent rows of sheathing panels by 24" minimum, with all panel ends bearing on joists, beams, trusses or walls. Place cants or crickets over continuous basic roof sheathing with drilled vent holes per the Architect. Where edges are not required to be blocked per schedule, provide Simpson PSCA clips at spacing per catalog recommendation. All sheathing shall be APA rated, with type/blocking/fastening per the following schedule. Provide 1/8" gaps between abutting sheet edges, typical.

9. SHEATHING FASTENING: Minimum nailing per the following schedule shall apply at all locations, except where larger nails and/or smaller spacing are required by plans or details. Where "boundary nailing" (BN) is referenced in these drawings, panel edge values per the schedule shall apply. Blocking for edges shall be 2x4 flat, minimum, unless a greater size is required to avoid splitting.

### -- WOOD SHEATHING SCHEDULE --

| USE | TYPE | BLOCK EDGES | MIN EDGE NAILING | MIN FIELD NAILING |
|---|---|---|---|---|
| Roof | 15/32" PLY | Yes | 8d @ 6" (BN) | 8d @ 12" |

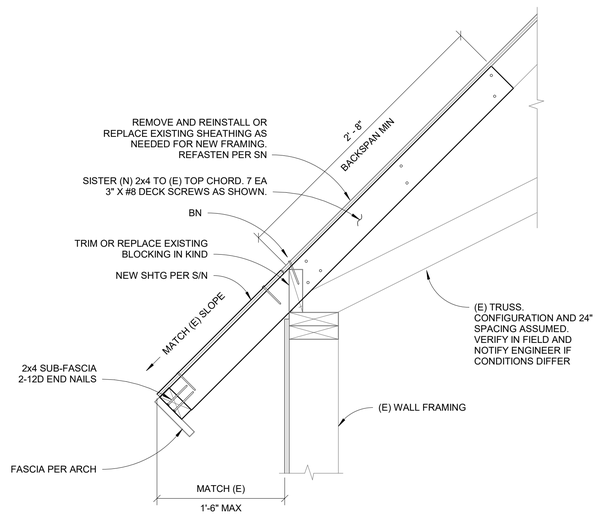
ADD2

### -- FALL PROTECTION ANCHORS --

1. Reference specifications for fall protection anchor basis of design
2. ANCHORAGE: Fall protection anchor devices for installation on the steep sloped roof types shall be installed to fasten (with nails or screws and per the anchor device manufacturer) through plywood decking into rafters, trusses, or sleeper members with a minimum width of 1.5 inches which run parallel to the roof slope and have a minimum length of run of 12 feet. Reference Architectural Plan for approximate locations, to be confirmed. See submittal section of notes for additional requirement.

## - STRUCTURAL ABBREVIATIONS -

| | |
|---|---|
| AA | ALL AROUND |
| AB | ANCHOR BOLT |
| ADDL | ADDITIONAL |
| ALT | ALTERNATE |
| ANCH | ANCHOR (ANCHORAGE) |
| ARCH | ARCHITECT ARCHITECTURAL |
| ATR | ALL-THREAD ROD |
| BB | BOND BEAM |
| BF | BOUNDARY FASTENING (PER DTL/SCHED) |
| BFE | BOTTOM OF FOOTING ELEVATION |
| BLDG | BUILDING |
| BLKG | BLOCKING |
| BM | BEAM |
| BN | FLOOR/ROOF BOUNDARY NAILING |
| BOD | BOTTOM OF DECK |
| BOT | BOTTOM |
| BRG | BEARING |
| BSMT | BASEMENT |
| BTWN | BETWEEN |
| C-C or C/C | CENTER-TO-CENTER |
| CANT | CANTILEVER |
| CBORE | COUNTERBORE |
| CFS | COLD FORMED STEEL |
| CIP | CAST IN PLACE |
| CJ or CJT | CONTROL JOINT |
| CJP | COMPLETE JOINT PENETRATION |
| CL | CENTERLINE |
| CLG | CEILING |
| CLR | CLEAR |
| CMU | CONCRETE MASONRY UNIT |
| COL | COLUMN |
| COMP | COMPOSITE |
| CONC | CONCRETE |
| CONN | CONNECTION |
| CONSTR | CONSTRUCTION |
| CONT | CONTINUOUS CONTINUED |
| CONTR | CONTRACTOR |
| CSINK | COUNTERSINK |
| CTR | CENTER |
| D | DEPTH |
| DAHB | DOWEL ALL HORIZONTAL BARS |
| DAVB | DOWEL ALL VERTICAL BARS |
| DBL | DOUBLE |
| DEG | DEGREES |
| DET or DTL | DETAIL |
| DIA | DIAMETER |
| DIAG | DIAGONAL |
| DIAPH | DIAPHRAGM |
| DIM | DIMENSION |
| DL | DEAD LOAD |
| DN | DOWN |
| DO | DITTO (SAME AS ABOVE or ADJACENT) |
| DS | DRAG STRUT |
| DWG | DRAWING |
| DWLS | DOWELS |
| E | EAST |
| (E) or EXIST | EXISTING |
| EA | EACH |
| EF | EDGE FASTENING (PER SCHED) |
| EL or ELEV | ELEVATION (or ELEVATOR) |
| ELEC | ELECTRICAL |
| EN | WALL EDGE NAILING |
| EOS or E.O.S. | EDGE OF STEEL |
| EPS | EXPANDED POLYSTYRENE |
| EQ | EQUAL |
| EQ SP | EQUALLY SPACED |
| EQUIP | EQUIPMENT |
| ERECT | ERECTION |
| EW | EACH WAY |
| EXP | EXPANSION |
| EXP JT or EJ | EXPANSION JOINT |
| EXT | EXTERIOR |
| FB | FLAT BAR |
| FD | FLOOR DRAIN |
| FDN | FOUNDATION |
| FF | FIELD FASTENING (PER SCHED) - or FINISHED FLOOR |
| FIN | FINISH |
| FLR | FLOOR |
| FMG or FRMG | FRAMING |
| FOC | FACE OF CONCRETE |
| FOS | FACE OF STEEL (or STUD) |
| FS | FAR SIDE |
| FT | FOOT (FEET) |
| FTG | FOOTING |
| FV | FIELD VERIFY |
| GA | GAUGE |
| GALV | GALVANIZED |
| GB | GRADE BEAM |
| GC | GENERAL CONTRACTOR |
| GEO | GEOTECHNICAL ENGINEER |
| GL | GLULAM |
| GLB | GLULAM BEAM |
| GS | GRIND SMOOTH |
| GWB | GYPSUM WALL BOARD |
| HDG | HOT-DIP GALVANIZED |
| HDR | HEADER |
| HK | HOOK |
| HNGR | HANGER |
| HORIZ or (H) | HORIZONTAL |
| HSS | HOLLOW STRUCTURAL SECTIONS |
| HT or H | HEIGHT |
| ID | INSIDE DIAMETER |
| IF | INSIDE FACE |
| IN | INCH (INCHES) |
| INT | INTERIOR |
| JBE | JOIST BEARING ELEVATION |
| JH | JOIST HEADER |
| JST | JOIST |
| JT or JNT | JOINT |
| K | KIP (1000 POUNDS) |
| KO | KNOCK OUT |
| KW | KING-WORKS |
| L | ANGLE |
| LB | POUND |
| LG | LENGTH LONG |
| LGS | LIGHT GAUGE STEEL |
| LL | LIVE LOAD |
| LLBB | LONG LEG BACK-TO-BACK |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| LOC | LOCATION |
| LONG | LONGITUDINAL |
| LSL | LONG SLOTTED (HOLE) - or LAMINATED STRAND LUMBER |
| LT WT | LIGHT WEIGHT |
| LVL | LAMINATED VENEER LUMBER |
| LW | LONG WAY |
| MAS | MASONRY |
| MAX | MAXIMUM |
| MCJ | MASONRY CONTROL JOINT |
| MECH | MECHANICAL |
| MEMB | MEMBRANE |
| MEZZ | MEZZANINE |
| MFR | MANUFACTURER |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| MONO | MONOLITHIC |
| MPCWT | METAL PLATE CONNECTED WOOD TRUSS |
| MTL | METAL |
| (N) | NEW |
| N | NORTH |
| NIC | NOT IN CONTRACT |
| NO | NUMBER |
| NS | NEAR SIDE |
| NS/HS | NON-SHRINK HIGH STRENGTH |
| NTS | NOT TO SCALE |
| OC or O/C | ON CENTER |
| OCBF | ORDINARY CONCENTRIC BRACED FRAME |
| OD | OUTSIDE DIAMETER |
| OF | OUTSIDE FACE |
| OH | OVERHEAD |
| OMF | ORDINARY MOMENT FRAME |
| OOP | OUT-OF-PLANE |
| OPP | OPPOSITE |
| OSB | ORIENTED STRAND BOARD |
| OVS | OVERSIZE |
| OWJ | OPEN WEB WOOD CHORD JOIST |
| PAF | POWDER ACTUATED FASTENER |
| PAR | PARALLEL |
| PC | PRECAST or PIECE |
| PERP | PERPENDICULAR |
| PL | PLATE |
| PN | WALL PLATE ATTACHMENT |
| PROJ | PROJECT |
| PS-B | PANEL SCREWS - TYP BEARING |
| PS-D | PANEL SCREWS - DIAPH EDGE |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUND PER SQUARE INCH |
| PSL | PARALLEL STRAND LUMBER |
| PT | PRESSURE TREATED or POINT or POST-TENSIONED |
| PVC | POLYVINYL CHLORIDE |
| R | RADIUS REACTION |
| R/W | REINFORCED WITH |
| RD | ROOF DRAIN |
| REF | REFERENCE |
| REINF | REINFORCEMENT |
| REQD | REQUIRED |
| REV | REVERSE REVISION |
| RF | ROOF |
| RO | ROUGH OPENING |
| RTU | ROOF TOP UNIT |
| S | SOUTH |
| SC | SLIP CONTROL |
| SCHED | SCHEDULE |
| SDQ | SPECIAL DUCTILE QUALITY |
| SECT | SECTION |
| SF | SQUARE FOOT/FEET |
| SHT | SHEET |
| SHTG | SHEATHING |
| SIM | SIMILAR |
| SIP | STRUCTURAL INSULATED PANEL |
| SL | SNOW LOAD or SLOPING |
| SLBB | SHORT LEG BACK-TO-BACK |
| SLRS | SEISMIC LOAD RESISTING SYSTEM |
| SN | STRUCTURAL NOTES |
| SOG | SLAB ON GRADE |
| SP @ | SPACED AT |
| SPA | SPACES |
| SPEC | SPECIFICATIONS |
| SPECD | SPECIFIED |
| SQ | SQUARE |
| SSL | SHORT SLOTTED (HOLE) |
| STD | STANDARD |
| STIFF | STIFFENER |
| STIR | STIRRUPS |
| STL | STEEL |
| STRUCT | STRUCTURAL |
| SW | SHEAR WALL |
| SWEP | SHEAR WALL ENDPOST |
| SYM | SYMMETRICAL |
| T&B | TOP & BOTTOM |
| TBE | TOP OF BEAM ELEVATION |
| TEM | TEMPERATURE or TEMPORARY |
| TF | TRACK FASTENING ( PER TYP DTL) |
| TFE | TOP OF FOOTING ELEVATION |
| TL | TOTAL LOAD |
| TO or T/ | TOP OF |
| TOB | TOP OF BEAM |
| TOS | TOP OF SLAB |
| TOW | TO OF WALL |
| TRANS | TRANSVERSE |
| TSE | THICKENED SLAB EDGE |
| TYP | TYPICAL |
| UNO or UON | UNLESS NOTED OTHERWISE |
| VERT or (V) | VERTICAL |
| VNR | VENEER |
| VIF | VERIFY IN FIELD |
| VFY | VERIFY |
| W | WIDTH OR WEST |
| W/ | WITH |
| W/O | WITHOUT |
| WF | WIDE FLANGE |
| WHS | WELDED HEADED STUDS |
| WL | WIND LOAD |
| WP | WORK POINT |
| WPA | WATER PROOFING ADMIXTURE |
| WT | WEIGHT |
| WWF | WELDED WIRE FABRIC |
| < | LESS THAN |
| ≤ | EQUAL TO OR LESS THAN |
| > | GREATER THAN |
| = | EQUAL TO |




4 NEW EAVE AT EXISTING SCISSOR TRUSS
1 1/2" = 1'-0"


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JASON R. KING — STATE OF WASHINGTON — 37388 — 11/12/2026 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
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**Owner:**
**LOPEZ ISLAND LIBRARY**
**2225 FISHERMAN BAY RD.**
**LOPEZ ISLAND, WA 98261**

**Project Title:**
**LOPES ISLAND LIBRARY REROOF**
**2225 FISHERMAN BAY RD.**
**LOPEZ ISLAND, WA 98261**

Sheet Contents:
STRUCTURAL NOTES & DETAILS

Revisions:

| Rev. | Date |
|---|---|
| ADD2 | 11/12/26 |

Drawn By: GKinney
Checked: JKing
Date: 09/15/2026

Job No.: kw: 26126
hkp: 736

Sheet No.:
S1.10

SECTION 01 25 13.1
SUBSTITUTION REQUEST FORM

SUBMITTED TO: HKP Architects

PROJECT: Lopez Island Library Reroof

SPECIFIED ITEM: WIP 300HT

SECTION NO.: 07 31 13 PARAGRAPH NO. 2.3

Description of Specified Item: SA UNDERLAYMENT / TEMP ROOF

The Undersigned requests consideration for the following substitution to that specified

PROPOSED SUBSTITUTION:

Manufacturer: OWENS CORNING

Product: TITANIUM PSU 30

REASON FOR SUBSTITUTION:

LIFE SAFETY + WATER TIGHTNESS

SIMILAR PROJECTS

List of names and addresses of three similar projects on which product was used, date of installation, and Architect's name and address.

| PROJECT | ADDRESS | DATE | ARCHITECT | PHONE NO. |
|---|---|---|---|---|
| PIER 56 | 1201 ALASKAN WAY | 9/2021 | WEATHERHOLT & ASSOCIATES | 425.822.8397 |

ATTACHED DATA:

Include product description, specifications, drawings, photographs, performance, and test data as necessary for evaluation. Clearly identify proposed substitution and portions of data from other items where more than one item is described.

Include description of changes to Contract Documents required by proposed substitution.

CERTIFICATION:

The Undersigned certifies that the following paragraphs are correct, except as modified by attachments:

1. Proposed substitution does not affect dimensions shown on Drawings.
2. The substitution can be procured in equal or less time to the specified products and systems.
3. The Undersigned will pay for changes to building design, including engineering design, detailing, and construction costs, or pay for any other professional services caused by requested substitution.
4. Proposed substitution will have no adverse effect on other trades, Construction Schedule, or specified warranty requirements.
5. Maintenance and service parts will be locally available for proposed substitution.

Undersigned further states that function, appearance, and quality of proposed substitution are equivalent or superior to specified item.

SUBMITTED BY:

Signature _____

Firm SOUND ROOF SERVICES

Address 8004 MUKILTEO SPEEDWAY
SUITE 4
MUKILTEO WA 98275

Date 11 · 10 · 2026

Telephone (206) 464 · 0441

~~FAX~~ (425) 314 · 9795

FOR USE BY ARCHITECT:

□ Approved ☒ Approved as Noted

□ Not Approved □ Received too Late

By Rebecca Wolfe, HKP Architects

Date 11/12/2026

Remarks Approved on the condition that there are no compatibility issues with other specified materials with which this product comes in contact, and there are no impacts to the specified warranties.

LIST ATTACHMENTS:

TITANIUM PSU 30 TDS

END OF SECTION

# TITANIUM® PSU30 HIGH-TEMP SELF-ADHERED UNDERLAYMENT

Technical Data Sheet

Titanium® PSU30 is a high-temp self-adhered underlayment with exclusive Sure-Foot® technology that allows for easy steep slope walkability, even in wet or dusty conditions. This versatile premium underlayment offers exceptional tear strength and a watertight horizontal lap system*. Titanium® PSU30 is tough enough to perform during installation and beyond.

## Features

- Engineered for waterproofing protection on 1/2:12 or greater sloped roofs§
- Acts as a secondary water barrier and is engineered to help prevent leaking from ice dams
- Up to six months of UV exposure protection
- 2.5x stronger‡‡ than competitive high-temp underlayments

## Code Approvals

- Code Compliance Research Report CCRR-1024
- Florida Product Approval
- Miami-Dade County Product Approval††
- FORTIFIED Roof™ Approval
- Safe Use Instructions (SUI) Compliant
- Texas Department of Insurance

| Specifications | Data |
|---|---|
| Length per Roll | 72' / 22 M |
| Width per Roll | 36" / 91.4 CM |
| Weight per Roll | 48 LBS / 21.8 KG |
| Gross Squares per Roll | 2.14 |
| Rolls per Pallet | 25 |
| Gross Weight per Pallet | 1,300 LBS / 590 KG |
| UV Exposure TAS 103 | 180 Days |

## Physical Properties

| Test Properties | Test Standard | PSU30 Test Standard Value |
|---|---|---|
| Permeability | ASTM E96 | Pass |
| Tear Strength | ASTM D1970 | 6x > Min. Req. |
| Tensile Strength (Machine Direction/Cross Direction) | ASTM D1970 | 3.9x > Min. Req./ 2.5x > Min. Req. |
| Tensile Elongation (Machine Direction/Cross Direction) | ASTM D1970 | 2.3x > Min. Req./ 2.2x > Min. Req. |
| Weight per Square | ASTM D5261 | 0.22 lbs/sq. ft. |
| Nail Sealability | ASTM D1970 | Pass |
| Nominal Thickness | ASTM D5147 | 45 mils |
| Thermal Stability | ASTM D1970 | Pass |
| Low-Temp Flexibility | ASTM D1970 | Unaffected at -20°F |
| Adhesion to Plywood | ASTM D1970 | > Min. Req. |
| Tensile Adhesion Strength for Foam Adhered Tile+ | TAS103 | Pass |
| Class A Fire Resistance** | ASTM E108 | Pass |

**SCAN FOR MORE INFORMATION**

§ Under standing seam metal roof panels, and lapped, non-soldered seam metal roofs with applied lap sealant.
* Tested in accordance with Self-Sealability around Nail; Self-Sealability of Side Lap Seam per ASTM D1970 (Owens Corning Testing, 2024)
+ Approved for use with ICP AH-160 and RTA-1 and Dow Tilebond Foam Adhesives.
‡‡ Compared to premium underlayments from competitive self-adhered brands (Owens Corning testing, 2024).
†† Besides mechanically attached and adhered tiles
** ASTM E108 Class A Fire Resistance when installed under asphalt shingles.

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