

SECTION 077200 - ROOF ACCESSORIES**PART 1 - GENERAL**

1.1 SUMMARY

- A. This Section includes roof hatch, roof curbs and other roof accessories.

1.2 PRODUCTS SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR (S.O.I.C.)

- A. Pre-Selected Subcontractor Bids: The Owner has a National Account with Span Construction & Engineering Inc. to furnish all products specified in this section. Products will be purchased by the Owner directly from:
 1. SPAN CONSTRUCTION & ENGINEERING, INC.; Madera, CA; Phone: 559-661-1111; <http://spanconstruction.com>; Contact: Ernie Brandi; Email: spancostcosales@spanconstruction.com
 2. Installing roof accessories is part of the work to be done by Span Construction & Engineering Inc., the Pre-Selected Subcontractor.

1.3 ACTION SUBMITTALS

- A. Product Data: Submit manufacturer's literature and installation details of products specified.
- B. Shop Drawings: Include fabrication and installation instructions.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For roof hatches and curbs to include in maintenance manuals.

1.5 WARRANTY

- A. Except where noted, provide manufacturer's 20-year warranty against leakage and defects in materials and workmanship.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. FMG Listing: Use systems and component materials that comply with requirements as part of a roofing system that are listed in FMG's "Approval Guide."

2.2 ROOF HATCH

- A. Roof Hatch: Provide roof hatch complete with hasp, eye, and padlock, manufactured by The Bilco Company, New Haven CT, Phone: 203-934-6363, www.bilco.com.
 1. Material: 14 gauge, G90 paint bond galvanized steel.
 2. Type and Size: As shown drawings.
 - a. Type S-20 for wall-mounted fixed ladder access, 36 x 30 inches (914 x 762 mm).
 - b. Type E-20 for wall-mounted fixed ladder access, 36 x 36 inches (914 x 914 mm).
 - c. Type L-20 for ship's ladder access, 30 x 96 inches (762 x 2438 mm).
 - 1) Include 1-1/4-inch scheduled 40 pipe handrail at 60 degree incline, to align with ship ladder rails, on inside of hatch lid.

3. Ladder-Mounted Safety Post: Include a "LadderUP" spring-balanced safety post for attachment to fixed wall ladder, manufactured by Bilco. Use Model LU-1, fabricated from steel with powder-coated finish, color yellow.
 4. Warranty: 10 years from Date of Substantial Completion.
- B. Roof Hatch: Provide ship ladder roof hatch unit complete with hasp, eye, rails, and padlock.
1. Material: 14 gauge, G90 paint bond galvanized steel.
 2. Type and Size: As shown drawings.
 - a. Ship's ladder access, 36 by 72 inches (914 by 1828 mm).
 - 1) Include 1-1/4-inch scheduled 40 pipe handrail at 60 degree incline, to align with ship ladder rails, on inside of hatch lid.
 3. Warranty: Ten (10) years from Date of Substantial Completion.

2.3 ROOF CURBS AND EQUIPMENT SUPPORTS

- A. Manufacturers:
1. Roof Products, Inc., Chattanooga, TN, Phone: 423-892-8620, Contact: Robert Banicki, Email: bobbanicki@rpcurbs.net, www.rpcurbs.com.
- B. General: Provide roof curbs capable of supporting superimposed live and dead loads, including equipment loads and other construction to be supported on roof curbs. Coordinate dimensions with rough-in information or Shop Drawings of equipment to be supported.
- C. Fabrication: Fabricate roof curbs and equipment curbs from minimum 18-gauge galvanized steel sheet on the outer shell, with fully mitered corners and seams joined by continuous airtight welds.
1. For additional strength and at curbs supporting HVAC units or units exceeding 3000 pounds (1361 kg) dead load, fabricate curbs from minimum 14 gauge (.0747 inch) thick galvanized steel sheet.
- D. Curbs shall have built-in diverters, crickets, pressure-treated wood nailer, 1-1/2 inches (38 mm) thick, 3# density rigid board insulation with a 22 gauge galvaneal steel liner with primer white finish on interior side, and appropriate sub-framing system.

(KEEP THE FOLLOWING FOR ALL PROJECTS EXCEPT CANADA.)

- E. Use curbs with height to extend 12-inches (300 mm) above the top of finished Roofing surface. Consider and compensate for presence and thickness of roof insulation when ordering.

(KEEP THE FOLLOWING FOR PROJECTS IN CANADA.)

- F. Use curbs with height to extend 24-inches (610 mm) above the top of finished Roofing surface. Consider and compensate for presence and thickness of roof insulation when ordering.
- G. Furnish curbs with Burglar Bar grid at each **[Skylight] [and] [Smoke Venting Skylight]**.
1. Configure bar and grid mounting so attachment points and fasteners to curb are impossible to remove from the rooftop, or from outside the building.