

CSI SPECIFICATIONS FOR SAFEPRO ROOF HATCH ACCESS DOOR

SECTION 07720

I. PART ONE - GENERAL

1.01 SUMMARY

- A. Work included: Furnishing and installing factory fabricated roof hatches
- B. Related Work: **[Insert applicable specifications sections]**

1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM, 1916 Race Street, Philadelphia, PA 19103; (215) 299-5400, fax (215) 977-9679
 - 1. ASTM A 36-93a: Standard Specification for Structural Steel

1.03 SUBMITTALS

- A. Product Data: Provide manufacturer's product data for all materials in this specification. Data Sheet/Brochure.
- B. Shop Drawings: Show profiles, accessories, location, and dimensions.
- C. Samples: Manufacturer to provide upon request; sized to represent material adequately.
- D. Contract Closeout: Roof hatch manufacturer shall provide the manufacturer's warranty prior to the contract closeout.

1.04 PRODUCT HANDLING

- A. All materials shall be delivered in manufacturer's original packaging.
- B. Store materials in a dry, protected, well-vented area. The contractor shall thoroughly inspect product upon receipt and report damaged material immediately to delivering carrier and note such damage on the carrier's freight bill of lading.
- C. Remove protective wrapping immediately after installation.

1.05 SUBSTITUTIONS

- A. **(To be filled out per the architect's requirements)** Proposals for substitution products shall be accepted only from bidding contractors and not less than (10) working days before bid due date. Contractor guarantees proposed substitution shall meet the performance & quality standards of this specification.

1.06 JOB CONDITIONS

- A. Verify that other trades with related work are complete before installing roof hatch(s).
- B. Mounting surfaces shall be straight and secure; substrates shall be of proper width.
- C. Refer to the construction documents, shop drawings, and manufacturer's installation instructions.
- D. Coordinate installation with roof membrane & roof insulation manufacturer's instructions before starting.
- E. Observe and follow all appropriate Federal and State (if applicable) OSHA safety guidelines.

1.07 WARRANTY/GUARANTEE

- A. Manufacturer's standard warranty: Materials shall be free of defects in material and workmanship for a period of five years from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no charge. Openers, special finishes, and other special equipment shall be warranted separately by the manufacturers of those products.

II. PART TWO - PRODUCTS

2.01 MANUFACTURER

- A. SafePro, L.P.
1355 N. Walton Walker, Dallas, TX 75211
phone 1-877-723-3570
fax 1-214-330-5435
www.safeprosafety.com

2.02 ROOF HATCH

- A. Furnish and install where indicated on plans metal roof hatch **Model SPH _____ size _____ (width) x _____ (length). Length** denotes hinge side. The roof hatch shall be single leaf. The roof hatch shall be pre-assembled from the manufacturer.
- B. Performance characteristics:
 - 1. Cover(s) shall be reinforced to support a minimum live load of 40 psf (195 kg/m²) with a maximum deflection of 1/150th of the span or 20 psf (97 kg/m²) wind uplift.

2. Operation of the cover shall be smooth and easy with controlled operation throughout the entire arc of opening and closing.
3. Operation of the cover shall not be affected by temperature.
4. Entire hatch shall be weathertight with fully welded corner joints on cover and curb.
- C. Cover: Shall be 14 gage (G90) galvanized steel with radius corners for safety and shall be fully welded at the corners for watertight construction. Cover shall have a rubber gasket that is bonded to the cover interior to assure a continuous seal when compressed to the top surface of the curb.
- D. Cover insulation: Shall be 1" thick polyisocyanurate with an R-value of 5.6 (New ASTM C1289-13e1), fully covered and protected by an 14 gage (G90) steel liner.
- E. Curb: shall be 14 gage (G90) galvanized steel with durable re-coatable gray primer finish. It shall be 12" in height with a 3-1/2" wide mounting flange with holes for roof attachment. The curb shall be equipped with an integral metal capflashing of the same gauge and material as the curb, fully welded at the corners.
- F. Curb insulation: Shall be 1" Fiber board.
- G. Lifting mechanisms: For smooth operation of the cover, provide compression springs encased in zinc-plated telescopic tubes. Furnish an automatic hold-open arm with vinyl grip. For safety and added security, latching shall include interior & exterior handles with provisions for an inside padlock.
- H. Hardware
 1. Heavy pintle hinges shall be provided.
 2. Cover(s) shall be equipped with a spring latch with interior and exterior turn handles.
 3. Roof hatch shall be equipped with interior padlock hasps.
 4. The latch strike shall be a welded component bolted to the curb assembly.
 5. Cover shall automatically lock in the open position with an automatic hold-open arm with vinyl grip.
- I. Finishes: Factory finish shall be Galvanized Steel with re-coatable gray primer finish.

III. PART THREE - EXECUTION

3.01 INSPECTION

- A. Verify that roof hatch installation will not disrupt other trades. Verify that the substrate is dry, clean, and free of foreign matter. Report and correct defects prior to any installation.

3.02 INSTALLATION

- A. Submit product design drawings for review and approval to the architect and/or specifier before fabrication.
- B. The installer shall check as-built conditions and verify the manufacturer's roof hatch details for accuracy to fit the application prior to fabrication. The installer shall comply with the roof hatch manufacturer's installation instructions.
- C. The installer shall furnish mechanical fasteners consistent with the roof requirements.

END OF SECTION 07720.