**3-Part CSI MasterFormat Specification**

**SECTION 07 72 33 or SECTION 05 52 13**

**Roof Accessories: safety railings**

Rev 08/23

1. GENERAL
   * + 1. SUMMARY
          1. Section includes:

Accessory Products for Roof Top Products

Safety Railings

* + - 1. REFERENCES
         1. Division 05 for ladders and stairs
         2. Division 07 for roofing and sealants
      2. ACTION SUBMITTALS
         1. Shop Drawings: Indicate configuration and dimension of components, adjacent construction, required clearances and tolerances, and other affected Work.

General: Show connections of units and hardware to other Work. Include schedules showing location of each type and size of unit.

* + - * 1. Product Data: Manufacturer’s technical data for each type of hatch assembly, including setting drawings, templates, finish requirements, and details of anchorage devices.
      1. INFORMATIONAL SUBMITTALS
         1. Provide manufacturer's standard 5-year warranty. All safety railings shall be free from manufacturing defects in materials and workmanship for a period of five (5) years from the date of shipment. Should a product fail to function in normal use within this period, manufacturer shall furnish a replacement or new part at manufacturers’ discretion.
         2. Sustainable Design Submittals: Building Product Disclosure Requirements: To encourage the use of building products that are working to minimize their environmental and health impacts, provide the following information when available:

Material Ingredients Documentation demonstrating the chemical inventory of the product

* + - 1. CLOSEOUT SUBMITTALS
         1. Installation, Operating & Maintenance manuals
      2. QUALITY ASSURANCE
         1. Qualifications:

Manufacturer/Installer: Company specializing in manufacturing and installation of components specified in this Section with minimum of 5 years documented experience.

* + - 1. DELIVERY, STORAGE, AND HANDLING
         1. Deliver materials to Project site ready use.
         2. Exercise proper care in handling of Work so as not to disrupt finished surfaces.
         3. Store materials under cover in a dry and clean location off the ground.

1. PRODUCTS
   * + 1. MANUFACTURER
          1. Nystrom

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Minneapolis, MN 55428

PH: 800-547-2635

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* + - 1. SAFETY RAILINGS
         1. Safety Railing System: Model SRC Roof-hatch manufacturer's standard system including rails, clamps, fasteners, safety barrier at railing opening, and accessories required for a complete installation; attached to roof hatch and complying with OSHA 29 CFR 1910.29 & CFR 1910.28 . requirements and authorities having jurisdiction.

Height: 42 inches (1060 mm) above finished roof deck.

Rails:

Aluminum pipe, 1-1/4 inch (31 mm), 1.66 inch (42 mm) outside diameter, schedule 40 6061 T6 alloy pipe.

Fittings: Cast aluminum 5052-H32 alloy with set screw hold.

Mounting Brackets: 3/16 inch (4.75 mm) steel, zinc plated with nut backing plate.

Exit: **[Self-closing gate, 1-1/4 inch (32 mm) aluminum self-closing with coil spring] [Chain, 3/16 inch (4.76 mm) zinc plated steel link chain with spring clip ends].**

1. EXECUTION
   * + 1. ADJUSTING
          1. Adjust movable parts for smooth operation.
          2. Operational Units: Test-operate units with operable components. Clean and lubricate joints and hardware. Adjust for proper operation.
       2. CLEANING
          1. Clean exposed surfaces per manufacturer's written instructions. Touch up damaged metal coatings.

END OF SECTION