

# Roof Hatch, Skylight, and Floor Door

## GUARDRAIL SYSTEMS

### Description

BlueWater Manufacturing's Roof Hatch and Skylight Guardrail system provides OSHA required guardrail protection on the exposed sides of openings of roofs and floors. It is installed in minutes and since it requires no drilling, can easily be dismantled for roof repair.

### Basic Use

For roof hatch, skylight, fire vent and floor door protection.

### OSHA Compliance

Compliant with regulations for guardrails:

- ▶ 29 CFR 1910.23
- ▶ 29 CFR 1926.502

Note: A setup using a chain does not meet OSHA regulations. The chain does not provide a mid-rail as required.

### Features

- ▶ Non-penetrating
- ▶ Independently tested to comply with OSHA fall protection regulations for guardrails
- ▶ Installs in minutes
- ▶ Easily dismantled for roof repair
- ▶ Designed to erect in numerous configurations (L-shapes, straight runs, and more)
- ▶ Powder Coat and Galvanized finishes available



\*Shown with Grab Bar option



**B**lueWater's Roof Hatch and Skylight Guardrail system is installed in minutes and can be easily dismantled for roof repair.

See reverse side for additional specifications and test results

A COMPANY OF INNOVATION — **NOT** IMITATION

**BlueWater**  
MANUFACTURING

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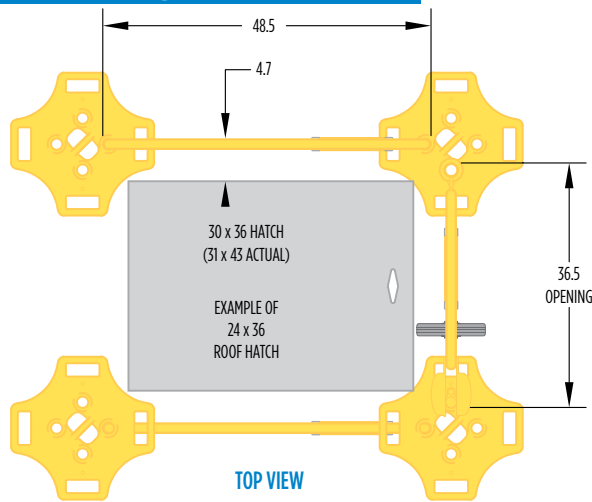
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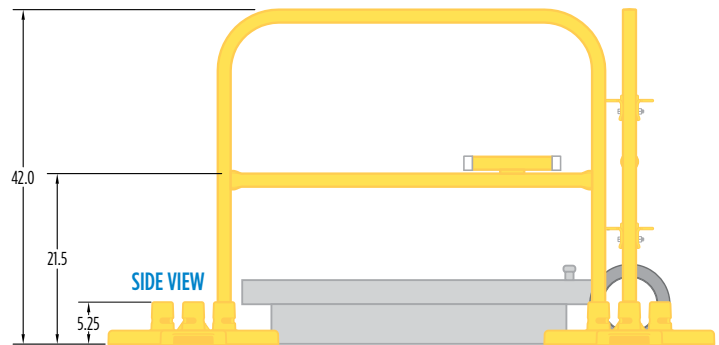
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# Product Specifications



## Rail Section Lengths

available in variety of lengths to meet opening requirements



**Roof & Floor Opening Protection:** Provide freestanding pedestrian egress barrier system on roof, including pipe railings, uprights, bases, and fittings

**Approved product:** Roof Hatch Door and Skylight Guardrail Systems.

**Standards:** System shall have top and mid rail in accordance with OSHA Standards – 29 CFR 1910.23 and 29 CFR 1926.502

**Structural Load:** 200 lb (90.7 kg), minimum, in any direction to all components in accordance with OSHA Regulations 29 CFR 1910.23 and 29 CFR 1926.502

**Height:** 42 inches (1067 mm), minimum.

**Railings:** 1- 5/8 inch (41 mm) O.D. hot rolled electric weld tubing, free of sharp edges and snag points

**Mounting Bases:** Class 30 gray iron material cast with four receiver posts. Base weight 108 lbs and 48 lbs per square foot. Rubber pads on base bottoms.

**Receiver Posts:** Shall have a positive locking system into slots that allow rails to be mounted in any direction. Friction locking systems are not allowed. Receiver posts shall have drain holes.

**Hardware:** Securing pins shall be 1010 carbon steel, zinc plated and yellow chromate dipped. Pins shall consist of collared pin and lanyard that connects to lynch pin.

**Finishes:** Available in standard Powder Coat Yellow and Hot-Dip Galvanized. Custom colors available.

## Options

**Toe Board Brackets:** Provide brackets as manufactured by BlueWater Mfg. Inc

**Surface Protection Pads:** EDPM Rubber Pads and Bur Pads are available

## Independent Test Results

### Test Conclusions:

- ▶ The portable guardrail system was found to comply with OSHA regulation 1926.502 for Fall Protection.
- ▶ The top rail was capable of withstanding a 200 pound horizontal and vertical load.
- ▶ The midpoint of the top rail deflected to 40.75 inches above the floor level when subjected to a 200 pound vertical load.

- ▶ The mid rail was capable of withstanding, without failure, a force of 150 pounds, applied in the vertical and horizontal directions.

Tests were conducted by GME Consultants, Consulting Engineers, Minneapolis, MN 55447. Complete Report available from BlueWater.

### Wind Load Calculations

Available on request.

PROJECT:	
CONTRACTOR:	
DATE:	



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