

Roof Hatches - Submittal Specification Guide

SECTION 07 72 33 (1995 - 07725)

PART 1: GENERAL

1.01 RELATED DOCUMENTS

- A. Conditions of the Contract and portions of Division One of this Project Manual apply to this Section as though repeated here.

1.02 SUMMARY

Select one or more of the following subparagraphs as required by the Project.

- A. Section Includes:
1. Galvanized Roof Hatch.
 2. Aluminum Roof Hatch.

1.03 REFERENCES

- A. ASTM International.
Retain the following 3 subparagraphs for a galvanized roof hatch.

1. ASTM A 36/A 36M-01: Specification for Carbon Structural Steel.
2. ASTM A 653/A 653M-02: Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
3. ASTM A 792/A 792M-02: Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.

Retain the following 2 subparagraphs for an aluminum roof hatch

4. ASTM B 209-02: Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
5. ASTM B 209M-02: Specification for Aluminum and Aluminum-Alloy Sheet and Plate [Metric].

1.04 SUBMITTALS

- A. Product Data: For each type of roof hatch indicated. Include manufacturer's model number and accessories and requirements in dimensions.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Packing, Shipping, Handling and Unloading: Deliver roof hatch as a factory assembled unit 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.

PART 2: PRODUCTS

2.01 MANUFACTURER

- A. J L Industries, Incorporated
4450 West 78th Street Circle

Bloomington, MN 55435

Telephone: (952) 835-6850/(800) 554-6077
FAX: (952) 837-1222
WEB: JLindustries.com

2.02 MANUFACTURED UNITS

- A. Galvanized Roof Hatch.

Select one or more of the following for each galvanized roof hatch size. If more than one size is required for the project, identify each type on a schedule located on the drawings and identify each type in the specification section.

1. Model: RHG-1; 30 inches by 36 inches clear opening.
2. Model: RHG-2; 54 inches by 30 inches clear opening.
3. Model: RHG-3; 96 inches by 30 inches clear opening.
4. Model: RHG-4; 36 inches by 36 inches clear opening.

5. Model: RHG-5; 48 inches by 48 inches clear opening.

6. Characteristics:

- a. Exterior Metal: 14 gauge galvanized steel; ASTM A653/A653M-ASTM A792/A792M.
- b. Liner Metal: 22 gauge steel; ASTM A36/A36M.
- c. Curb Height: 12 inches.
- d. Attachment Flange Width: 4 inches.
- e. Curb Insulation: 1 inch fiberboard.
- f. Cover Insulation: 1 inch fiberglass.
- g. Draft Seal Gasket: EPDM
- h. Metal Finish: Bonderite, pre-treated grey hammertone powder coat.
- i. Hardware: Heavy-duty hinge, heavy gauge automatic hold-open arm with red grip, compression operated shock absorbing cylinder, and interior and exterior locking handles with padlock hasps.
- j. Loads.
 - 1) Live Load: 40 psf.
 - 2) Maximum Deflection: 1/190 of the span.
 - 3) Wind Uplift: 50 psf.
 - 4) Cover Wind Load In Open Position: 110 mph.

B. Aluminum Roof Hatch.

Select one or more of the following for each aluminum roof hatch size. If more than one size is required for the project, identify each type on a schedule located on the drawings and identify each type in the specification section.

1. Model: RHA-1; 30 inches by 36 inches clear opening.
2. Model: RHA-2; 54 inches by 30 inches clear opening.
3. Model: RHA-3; 96 inches by 30 inches clear opening.
4. Model: RHA-4; 36 inches by 36 inches clear opening.
5. Model: RHA-5; 48 inches by 48 inches clear opening.

6. Characteristics:

- a. Exterior Metal: 0.090 inch aluminum; ASTM B209/B209M.
- b. Liner Metal: 0.090 inch aluminum; ASTM B209/B209M.
- c. Curb Height: 12 inches.
- d. Attachment Flange Width: 4 inches.
- e. Curb Insulation: 1 inch fiberboard.
- f. Cover Insulation: 1 inch fiberglass.
- g. Draft Seal Gasket: EPDM
- h. Metal Finish: Bonderite, pre-treated bronze hammertone powder coat.
- i. Hardware: Heavy-duty hinge, heavy gauge automatic hold-open arm with red grip, compression operated shock absorbing cylinder, and interior and exterior locking handles with padlock hasps.
- j. Loads.
 - 1) Live Load: 40 psf.
 - 2) Maximum Deflection: 1/190 of the span.
 - 3) Wind Uplift: 50 psf.
 - 4) Cover Wind Load In Open Position: 110 mph.

PART 3: EXECUTION

3.01 EXAMINATION

- A. Examine areas and conditions affecting installation. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install system level and plumb, and in accord with manufacturer's written instructions, original design and referenced standards.

3.03 ADJUSTING

- A. Adjust system for proper operation. Replace any parts that prevent the roof hatch from operating properly.

3.04 CLEANING

- A. Remove all debris caused by installation of the roof hatch. Clean all exposed surfaces to as fabricated condition and appearance.

3.05 PROTECTION

- A. Provide protection of the completed installation until completion of the project. Repair any damage at no additional cost.

3.06 SCHEDULES

If more than one type of roof hatch is required, provide a schedule similar to the following example below. Use the corresponding type designations here and on the drawings.

- A. Type 1: [Describe by model].
- B. Type 2: [Describe by model].
- C. Type 3: [Describe by model].