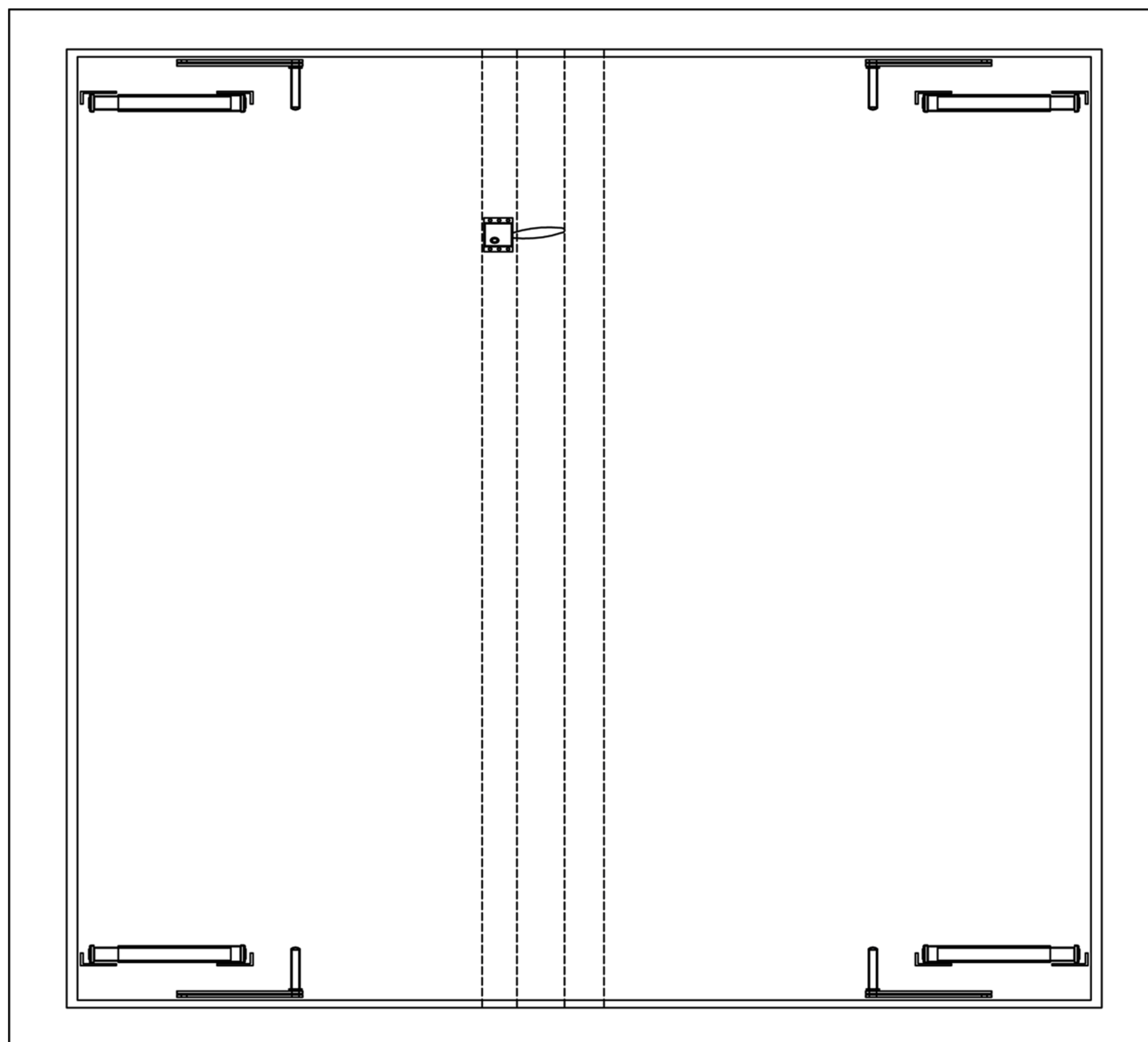
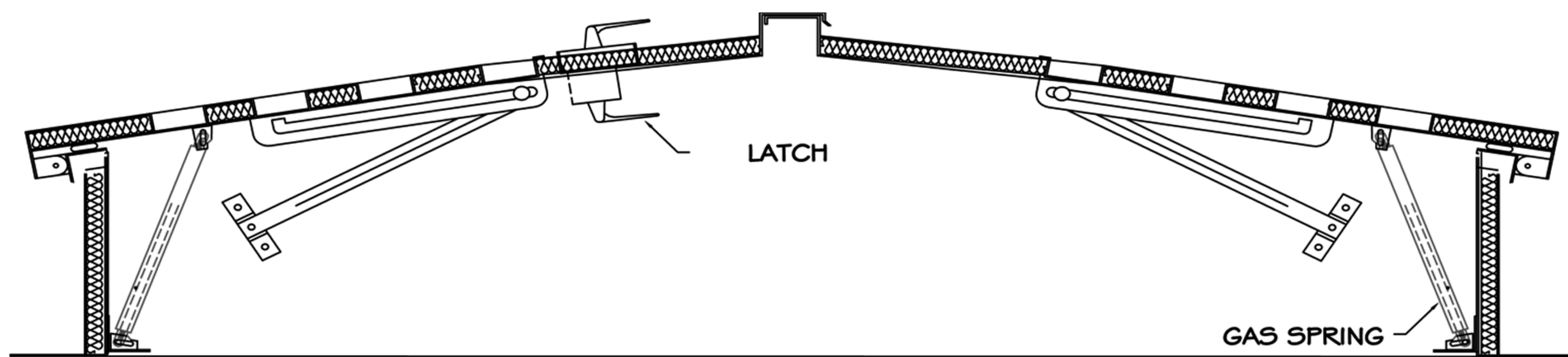


# ROOF EQUIPMENT HATCH

## SPECIFICATIONS

- Fully Welded & Assembled Curb 14 GA G90 Steel, 0.080/.125" Aluminum, or Stainless Steel
- Hinges and latches 12 GA galvanized steel
- Base options include self flashing, curb mount and metal building
- Twin over-lapping leaf design
- 1" Rigid Insulation R7.2 in lid
- Full perimeter EPDM bulb gaskets
- Lids rated for a 40 PSF live load
- Inside Two Point Slam Latch
- Padlock Hasp
- Inside and outside manual releases
- High performance gas springs
- Hold open arm with vinyl grip
- Custom Color Powdercoat Option



**R&S Manufacturing and Sales**  
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CUSTOMER

QUANTITY

JOB NAME

MODEL

ARCHITECT

DATE



## SPECIFICATIONS SECTION 07720

### MODEL EH ROOF EQUIPMENT HATCH SPECIFICATION

#### I. PART ONE - GENERAL

##### 1.1 SUMMARY

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

##### 1.2 SUBMITTALS

- A. Product Data: Provide manufacturer's product data for all materials in this specification.
- 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 access hatch manufacturer shall provide the manufacturer's Warranty prior to the contract closeout [\[if applicable\]](#).

##### 1.3 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 [\[if applicable\]](#).

##### 1.4 SUBSTITUTIONS

- A. Proposals for substitution products shall be accepted only from bidding contractors and not less than (10) working days before bid due date. Contractor guarantees that proposed substitution shall meet the performance and quality standards of this specification.

##### 1.5 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 and roof insulation manufacturer's instructions before starting.
- E. Observe all appropriate OSHA safety guidelines for this work.

##### 1.6 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. Electrical motors, special finishes, and other special equipment (if applicable) shall be warranted separately by the manufacturers of those products.

#### II. PART TWO - PRODUCTS

##### 2.1 MANUFACTURER

- A. R&S Manufacturing and Sales Company, Inc., 3575 Old Conejo Rd., Newbury Park, CA 91320  
1-805-375-3980, Fax: 1-805-375-3981, Web: [www.RnSsales.com](http://www.RnSsales.com)

##### 2.2 EQUIPMENT HATCH

- A. Furnish and install where indicated on plans metal roof hatch Model EH, size width: \_\_\_\_ x length: \_\_\_\_.  
Length denotes hinge side. The equipment hatch shall be double leaf. The roof hatch shall be pre-assembled from the manufacturer.
- B. Performance characteristics:
  - 1. Operation of the cover shall be smooth and easy with controlled operation throughout the entire arc of opening and closing.
  - 2. Operation of the cover shall not be affected by temperature.
  - 3. Entire hatch shall be weathertight with fully welded corner joints on cover and curb.
  - 4. Covers shall be reinforced to support a minimum live load of 40 psf with a maximum deflection of 1/150th of the span or 20 psf wind uplift.

- C. Cover: Shall be [select: 14 gauge galvanized or aluminized steel or minimum 0.080" aluminum] with a 2-1/2" beaded flange with formed reinforcing members. Cover shall have a heavy duty extruded EPDM rubber gasket that is fastened 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 rigid insulation, fully covered and protected by a metal liner [select: 22 gauge galvanized or aluminized steel or 0.032" aluminum].
- E. Curb: Shall be 12" in height and of [select: select: 14 gauge galvanized or aluminized steel or 0.080" aluminum]. The curb shall be formed with a flange for securing to the roof deck. The curb, when a self flashing type, shall be equipped with an integral metal capflashing of the same gauge and material as the curb, with fully welded corners.
- F. Curb insulation: Shall be 1" thick polyisocyanurate rigid insulation on the outside of the curb.
- G. Lifting mechanisms: Manufacturer shall provide a high performance gas spring which applies forces to the cover and opens the cover in a controlled manner. Gas spring shall have a Multi-Lobe seal, a corrosion resistant outer tube and hard chrome plated inner rod.
- H. Hardware
  - 1. Heavy duty pintle hinges shall be provided
  - 2. Cover shall be equipped with a spring latch with interior and exterior turn handles
  - 3. Roof hatch shall be equipped with interior and exterior padlock hasps.
  - 4. The latch strike shall be a stamped component bolted to the curb assembly.
  - 5. Cover shall automatically lock in the open position with a rigid hold open arm equipped with a vinyl grip handle to permit easy release for closing.
  - 6. Cover hardware shall be bolted into heavy gauge channel reinforcing welded to the underside of the cover and concealed within the insulation space.
- I. Finishes: Factory finish shall be mill finish.

### III. PART THREE - EXECUTION

#### 3.1 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.

#### 3.2 INSTALLATION

- A. Submit product design drawings for review and approval to the architect 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.

#### 3.3 MAINTENANCE

- A. Replace gas springs when necessary. Lubricate latches and hinges annually.
- B. Inspect metal surfaces for dirt and corrosion every six (6) months or more often as conditions warrant. Clean and touch up painted or coated surfaces as required.

END OF SECTION 07720