Vault Pro Roof Hatch Overview & Installation Instructions

OVERVIEW

Vault Pro Roof Hatches provide safe and convenient access to roof areas using interior ladders and stairs, and are designed and built for years of convenient and weather tight roof access. Vault Pro Roof Hatches are designed to be opened and operated from the inside only and do not allow for access from the outside.

The following is a general instruction for installing, operating and maintaining roof hatch products. These are recommended general guidelines only. Locally accepted roofing and sealing practices and procedures should be followed to ensure the ultimate weather-ability of roof hatches installed into the various types of roofing systems used.

Application Note: Roof hatches, are intended for both commercial and residential building applications. Temperature variations between indoor and outdoor temperatures and humidity levels may cause condensation. Resulting condensation may become exacerbated in residential type applications. Environments with excessive moist, hot air are more susceptible to condensation, especially during winter months with colder temperatures.

INSTALLATION

Vault Pro Fixed Ladder Roof hatches are designed to be installed on a flat roof.

1. Place the roof hatch over then down into the existing opening in the roof. The roof rough opening dimensions are slightly larger than the hatch dimensions as measured from the inside curb to inside curb. For example, a 36 inch by 36 inch fixed ladder access hatch, will have a roof rough opening of 36-1/2 inches by 36-1/2 inches.

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2. The roof hatch curb flange comes predrilled with 5/8 inch mounting holes both around the roof deck or curb flange as well as the sub-roof insert to accommodate fastening methods practiced and accepted at a local level.

3. Mark the pre-drilled 5/8 inch diameter holes from the roof deck mounting flange through to the roof deck or a concrete curb. Drill roof deck or concrete curb for installation of anchors or other fasteners, provided by others. Bolt or otherwise fasten roof hatch curb flange to roof deck using 3/8 inch or 1/2 inch bolts with washers.

4. Drill holes thru sub-roof insert for installation of anchors or other fasteners, provided by others. Bolt or otherwise fasten roof hatch sub-roof insert to sub-roof using 3/8 inch or 1/2 inch bolts with washers.

5. Mount cant strips, by others, surrounding the roof curb when applicable. The size is to be determined by a roofing installer, based on the roofing material to be provided.

6. Install roofing material up to and surrounding the roof curb, and under the counterflashing at the top of the curb. Use the EZ tab feature as described below to provide additional mechanical support to hold and secure roofing membrane. Lap and seal all joints in roofing material to provide a weathertight seal.

OPERATION

Vault Pro Roof hatches are designed and built for years of dependable roof access. To meet the demands of an exterior application, the doors are manufactured from steel and painted using a marine grade finish. The cover is insulated and sealed using a dual silicone gasket that creates a weather resistant seal.

The basic components for door operation include internal release and pull/push handle, gas shock with automatic locking hold open tube as detailed:

- **Internal Release:** Internal release retracts and extends locking bolts to accommodate interior locking and unlocking options.

- **Gas Shock:** Heavy-duty stainless-steel gas shock with locking hold open arm is designed to counter the weight of and assist with and ensure ease of opening and closing the cover during use.

- **Hold Open Tube:** The gas shock includes an integrated Locking Hold Open Tube that automatically engages and locks when the door fully opens. The hold open tube must be engaged in the locked position to ensure that the door does not close unintentionally during use. Simply pull the tube to unlock and safely close the cover door.

- **Dual Gasket:** Dual Silicone Gaskets are adhesive backed and create a weather tight seal between the base and cover door when closed.

Note: Hatches may need two people to ensure proper closure.

MAINTENANCE

- Roof hatches should be manually operated once a year to check performance.

- Lubricate moving parts such as hinges and locking bolts with a silicone spray lube as required to maintain a smooth opening and closing of the door. Do not over lubricate. Do not use regular lubricating oil as it can attract dust and grit.

- Non-moving parts can be cleaned with a mild soap or dishwashing detergent and water solution.

- Gaskets can be cleaned with a clean, damp, lint-free cloth. Do not apply mineral oils, vinyl dressings, or other lubricants to the gasket as they can cause the gasket to break down over time.

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- If any questions arise during the operation or maintenance of the products, please feel free to call Vault Pro, Inc. at 800-299-6929.

Follow the maintenance instructions to ensure the long life of the product. Contact Vault Pro for information on replacing damaged parts.

Vault Pro 36” x 36” White Roof Hatch

Description: Vault Pro’s 36” x 36” American Made White Roof Hatch (steel with white marine grade finish) provides safe and easy roof access on your building.

Features:

- **Made in the U.S.A.**
- **2" Step-System Door**
- **30” x 30” Inside Measurement (clear-thru space)**
- **Steel: 3-gauge (1/4”) steel construction**
- **Finish: Wimbledon White Marine Grade Polyurethane**
- **Color: High Reflective White**
- **Cover formed 3-gauge steel with ceramic thermal insulation, stiffened to withstand a live load of 120 psf with a max deflection of 1/250 the span.**
- **Curb wall and sub roof insert mounting flanges come pre-punched with 5/8-inch holes for ultimate hold down strength.**
- **Insulation: Ceramic (2300°) Fiber Blanket & 5/8” X-Rate Fireboard sealed in 3-gauge steel cover door for ultimate resistance to heat & cold temperatures.**

- **Gasket: Dual Siliconized Rubber gasket double seals cover to base**
- **Gas Shock: Heavy Duty Stainless Steel (American Made)**
- **Hold Open Tube: Heavy Duty Stainless Steel (American Made)**
- **Locking: 10ea. 1½" x 4" Locking Bolts (3-way active)**
- **120 psf for lengths in closed and locked position**
- **Warranty Five Years**

Warranty

Vault Pro, Inc. warrants all Roof Hatches to be free from manufacturing defects in materials, finishes and workmanship for a period of five (5) years from date of shipment.

In the case where a Roof Hatch product should fail to function under normal use within this period, Vault Pro will furnish a full replacement or replace the failed part at Vault Pro's discretion. Failure to use product in methods consistent with Vault Pro, Inc. product manuals shall relieve Vault Pro, Inc. of any liability. Vault Pro's liability under this warranty excludes shipping, packaging and installation or removal costs associated with or involved in the product replacement and excludes any responsibility for incidental or consequential damage of any nature.

For information on a warranty claim, please visit our Warranty Information Section or call Vault Pro at 800-299-6929.

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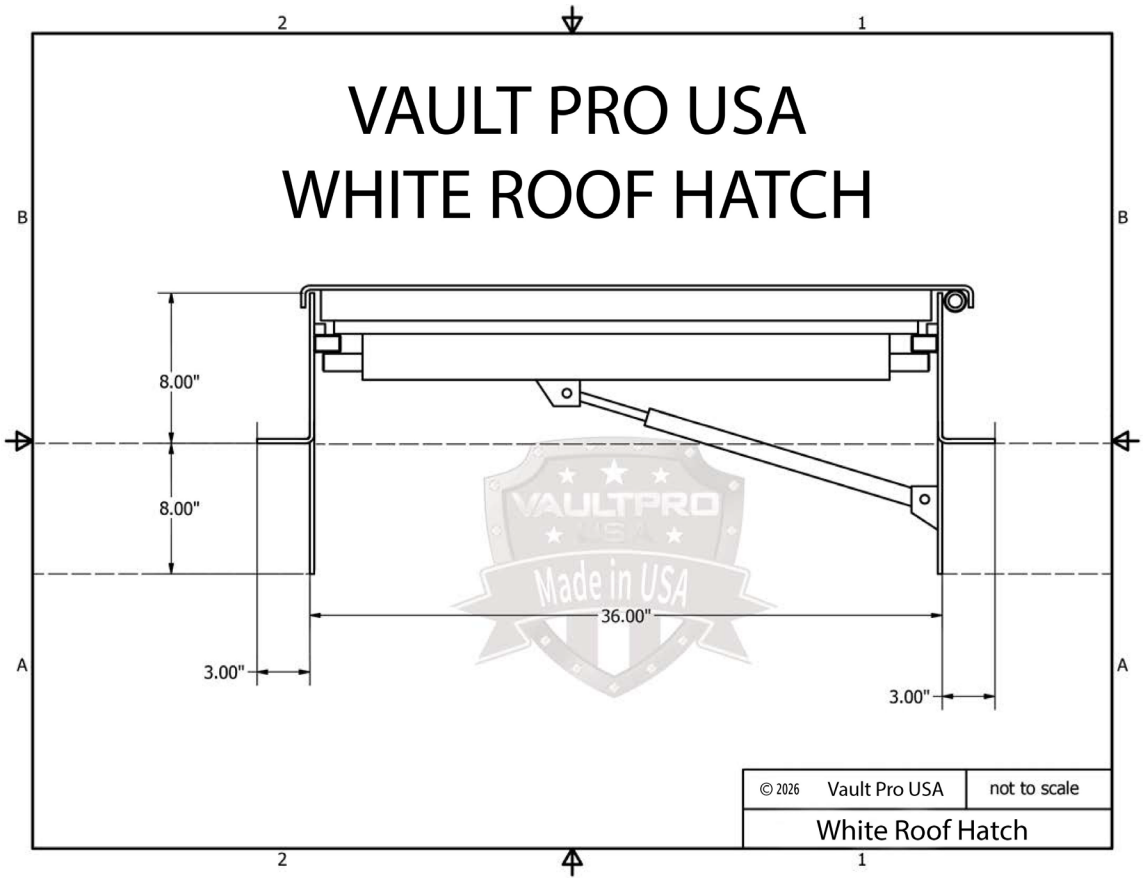
WHITE ROOF HATCH



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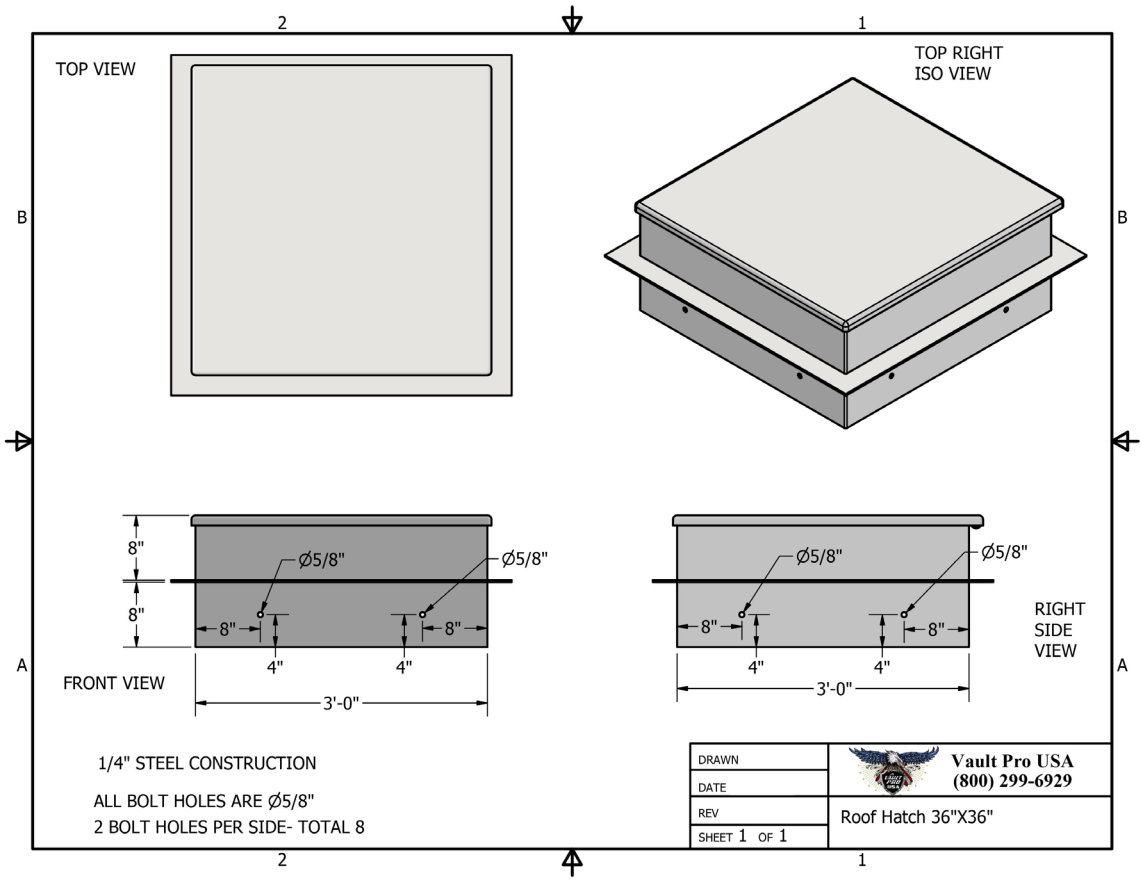

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