



**Perma Tech, Inc.**

*"Your Single Source for ALL Your Loading Dock Needs"*

# Perma MRI AIR Shelter with Metal hood and Track & Trolley System

## **INSTALLATION INSTRUCTIONS**

**NOTE:**

***CHECK SHIPPING CONTAINERS BEFORE RELEASING CARRIER.  
NOTIFY CARRIER IMMEDIATELY UPON DISCOVERING ANY CONCEALED DAMAGE.***

**WARNING :** Do not install this product unless you have read and understand the warnings and installation instructions contained in the manual.  
Failure to do so could result in serious injury or death.



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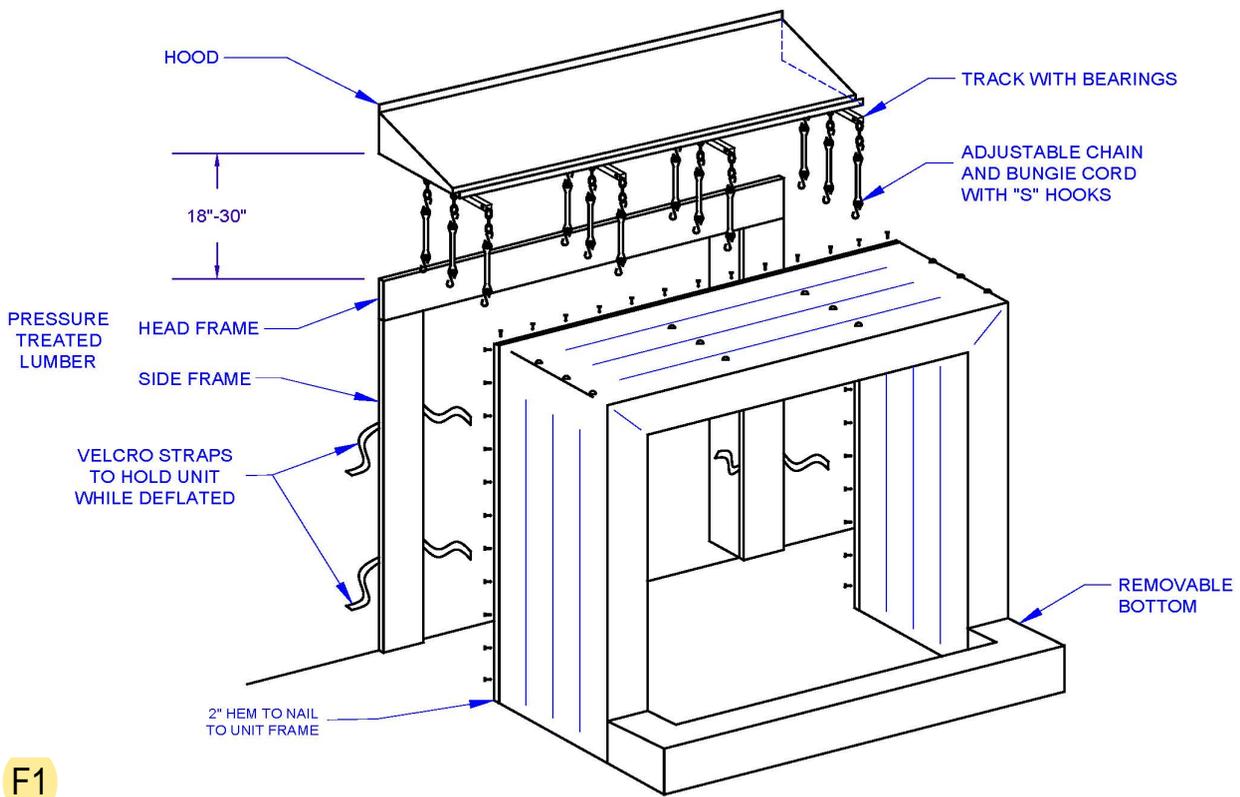
# INSTALLATION INSTRUCTIONS

## Perma MRI AIR Shelter - Metal Hood with Track & Trolley System

**NOTE:** Check all shipping containers before releasing carrier. Notify carrier immediately upon discovering any concealed damage.

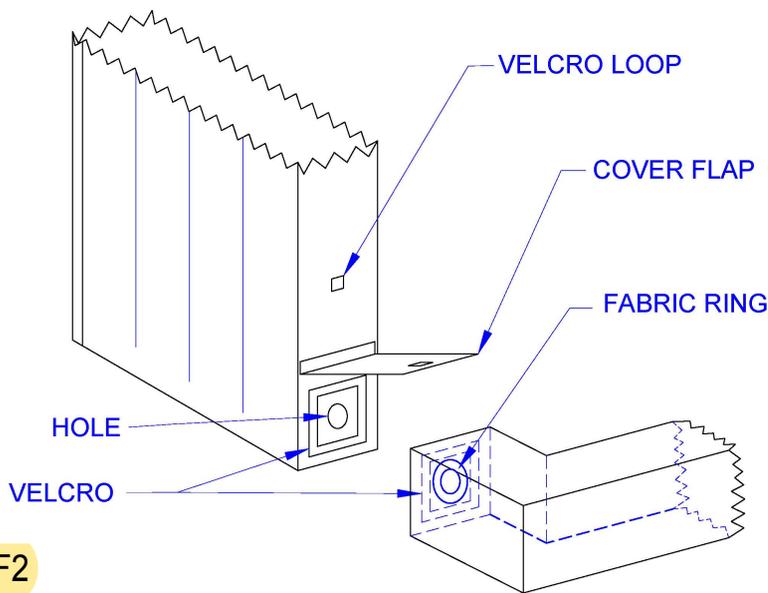
1. Mark the centerline of the door opening at the top of the door (lintel) and mark the centerline of the unit.
2. Find the side frame length by measuring the length of the lumber provided. **Note:** Head frame or side frame can come in two pieces based on unit dimensions. Mark the building wall for this height from the ground. Mark the centerline of the head frame. Align the mark with the centerline on the door lintel and mount the head frame using anchor bolts (not included). Be sure to align the bottom of the head frame with the top of the side frames marks.
3. Using appropriate anchor bolts (not included), attach the side frames to the wall.
4. Unfold the unit on the ground in front of the door. Find the centerline of the unit.
5. Align the centerline of the unit to the centerline of the headboard.
6. Using the provided roofing nails, nail the 2" hem to the head frame, use about one nail every 12 inches. Start at the centerline and move outward.
7. Attach the side members to the side frame using roofing nails. Use about one nail every 12 inches. Start at the top and move downward.
8. After installing the unit, attach the side member "tie-back" straps to the inside and outside of the frame using (2) two roofing nails per strap. Space accordingly to retain side air bags with first strap one (1) foot off the ground and the second strap five to six (5-6) feet from the ground.
9. The airbag blower duct sleeve comes 36" length. Align blower with the duct sleeve (any distance less than 30" from the backboard) and fasten in place. Use the provided hose clamp to hold the sleeve to the blower then fold back and tuck in, or cut off any excess fabric.
10. Attach the metal hood with track anywhere from 18" to 30" above the head frame to the wall. (Refer to Metal Hood Instructions included.) Then slip the trolley into the track to correspond with the "O" rings at the top of the air bag. See Figure 3. **Note:** Wall-mounting hardware NOT included.
11. Complete electrical connection to blower and inflate as a check. Adjust shock cord lengths if necessary. Shock cords should be just tight enough to eliminate sag when the unit is deflated. Shock cords are not intended to support unit while inflated. Shock cords can be adjusted by moving the top "S" hooks up or down the links of the chain.
12. Attach the bottom bag through the holes at the bottom of each side by pushing the fabric ring at each end of the bottom removable bag through the hole as show in Figure 2.
13. If the blower is not mounted under the large metal hood then attach the small metal blower hood provided over blower unit using appropriate anchor bolts. (Bolts not provided).
14. When installation is completed, caulk the top and the sides of the unit where it meets the building.
15. Post enclosed operating instructions in convenient location near seal.

**Figure 1: Perma MRI AIR - Metal Hood with Track & Trolley System**



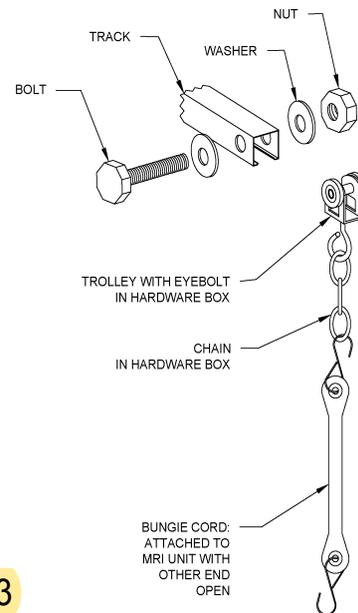
F1

**Figure 2: A four-sided MRI AIR shelter has a removable bottom that is connected to the side frames with velcor.**



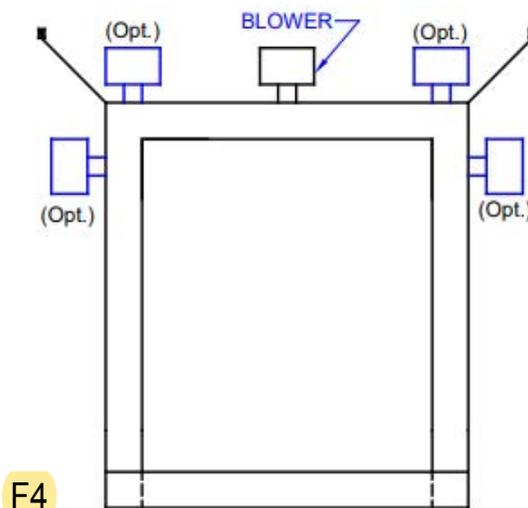
F2

**Figure 3: Break out view of the Track and Bungie cords with "S" hooks**



F3

**Figure 4: This figure shows the most common places for optional blower locations.**



F4

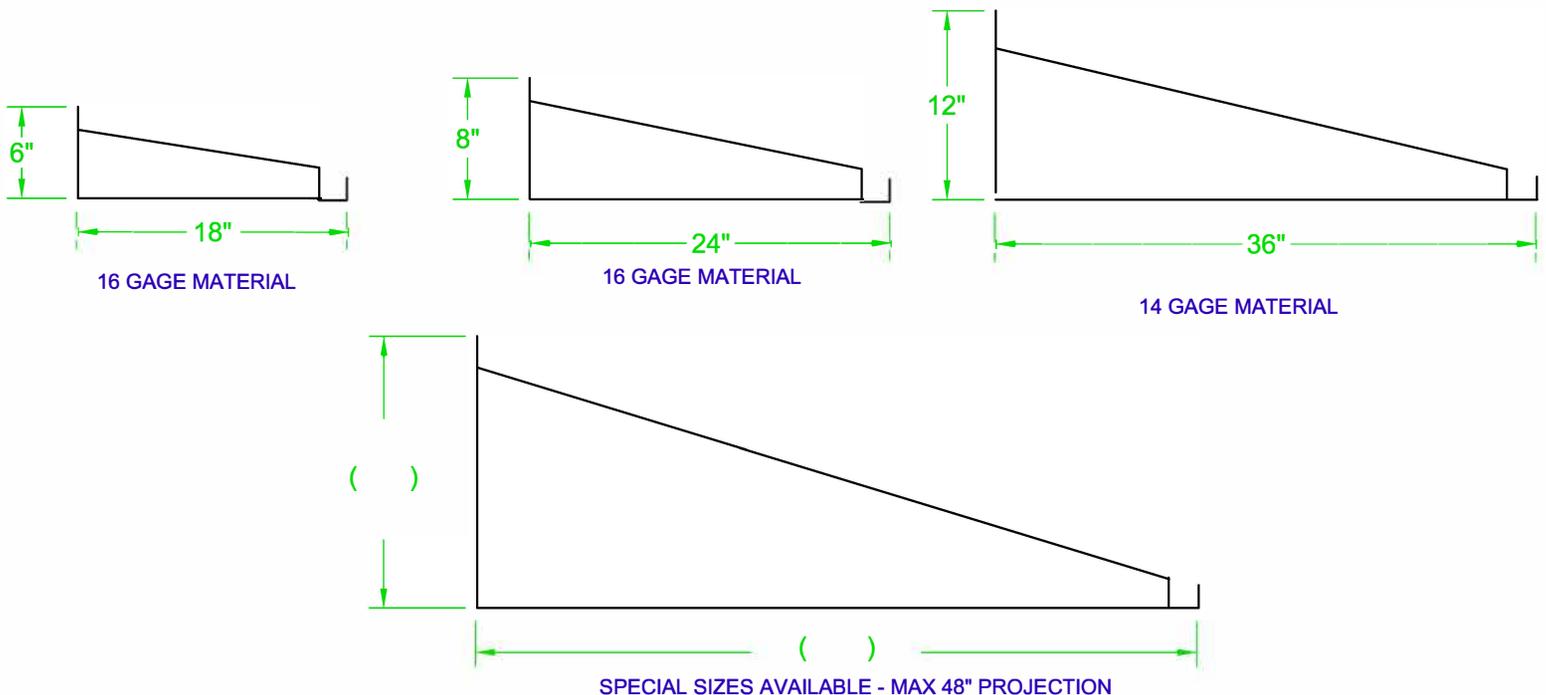
# METAL HOOD

## Installation Instructions

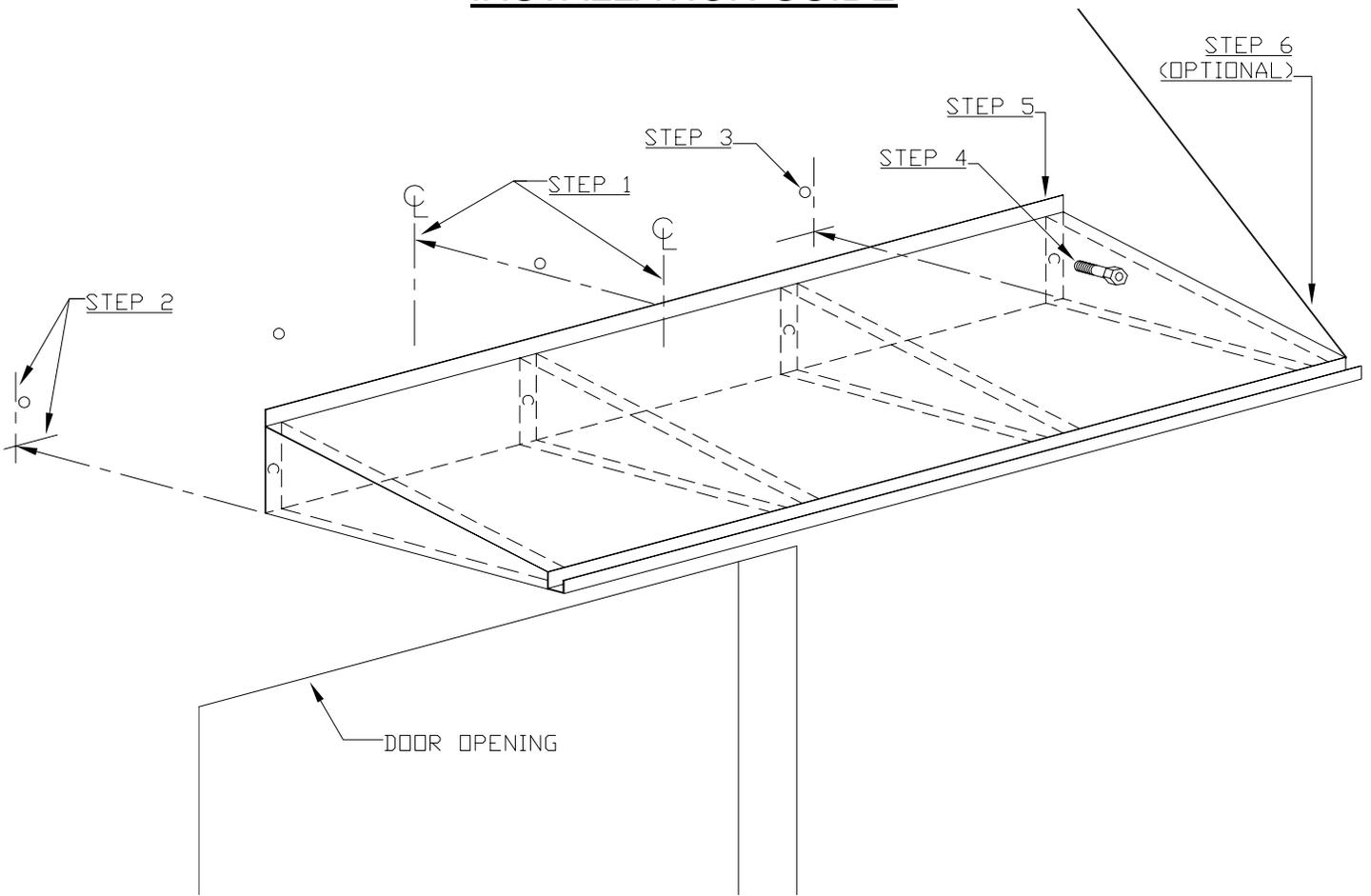
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The following steps are shown in the picture on the next page:

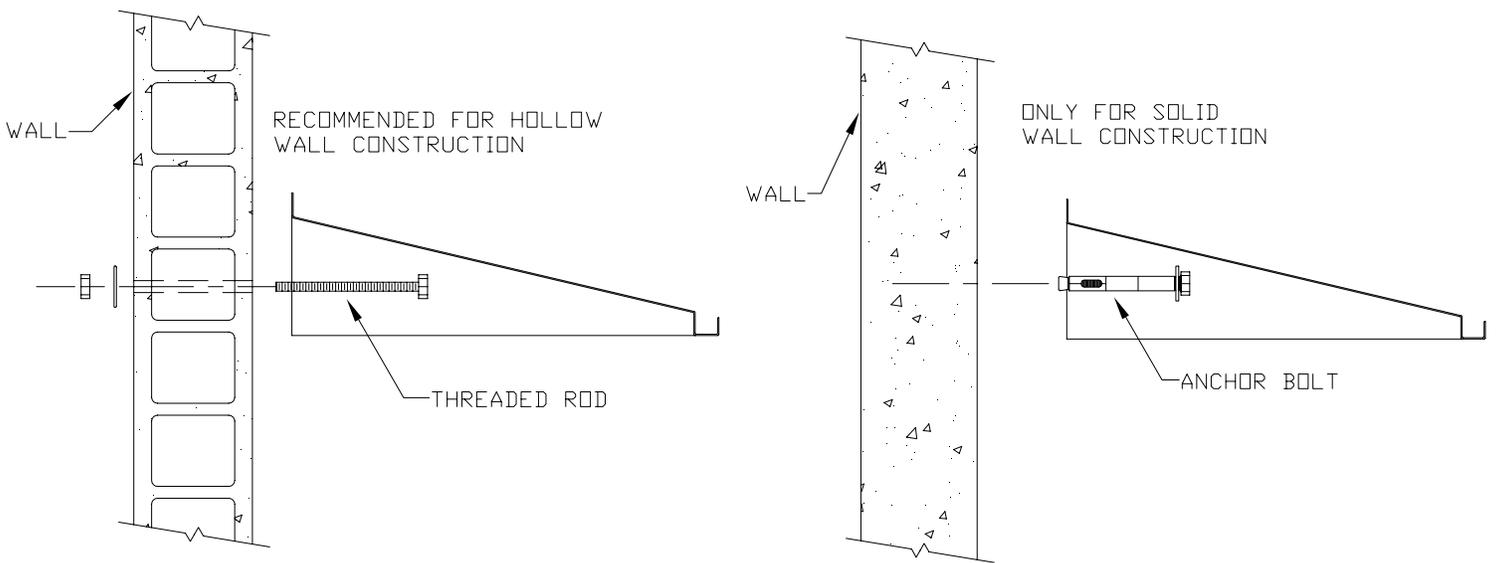
- STEP 1:** Mark the center line of the door opening and the canopy.
- STEP 2:** Mark off the position of the canopy above the door opening and be sure it is clear of any seals or shelters.
- STEP 3:** Drill 4, 5, or 6 equally spaced 1/2" holes in upper flange of hood. (Holes are drilled by installer and spaced based on building specifications and length of hood)
- STEP 4:** Drill holes in the wall to match the holes in the canopy. (See the mounting options shown on next page). (Hardware is not included).
- STEP 5:** Position the canopy in place and anchor to the wall using 1/2" Dia. anchors in bottom gusset and 3/8" anchors in upper flange.
- STEP 6: (OPTIONAL FOR HOODS OVER 36" PROJECTION.)**  
Mount angle clip above hood on wall at a distance equal to the projection of the hood. Attach wire to the front clip on hood and to the angle clip above.



# INSTALLATION GUIDE



# MOUNTING OPTIONS





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## LIMITED PRODUCT WARRANTY

Perma Tech, Inc. warrants the material and workmanship in any product manufactured by Perma Tech, Inc. for a period of one year from the date of shipment to customer if properly installed, maintained and used. this limited warranty shall not apply in the event of misuse or modification by customer or to materials not manufactured and installed by Perma Tech, Inc.

In the event of any defects covered by this warranty, Perma Tech, Inc. will remedy such defects by repairing or replacing at its expense any defective products or, at its option, refunding the original purchase price excluding installation, freight and tax. This shall be customer's exclusive remedy for all claims whether based on warranty, contract, negligence, strict liability or other legal theory.

Written notice of any claim must be made within the warranty period by first class mail or personal delivery to a suitable person at Perma Tech's office at 363 Hamburg Street, Buffalo, New York 14204. Notice of delivery by e-mail or fax is not acceptable.

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