

Figure 1: Placement of shock cord brackets. One bracket at each corner, mounted at a 45° angle. If blower is not mounted at top center, mount an additional shock cord bracket top center to reduce unit sag. This figure also shows optional locations for blower. (Determined at time of sale)

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PERMA AIR SEAL

MODEL 3100

INSTALLATION INSTRUCTIONS

NOTE:

CHECK SHIPPING CONTAINERS BEFORE RELEASING CARRIER.

NOTIFY CARRIER IMMEDIATELY UPON DISCOVERING ANY CONCEALED DAMAGE.

WARNING

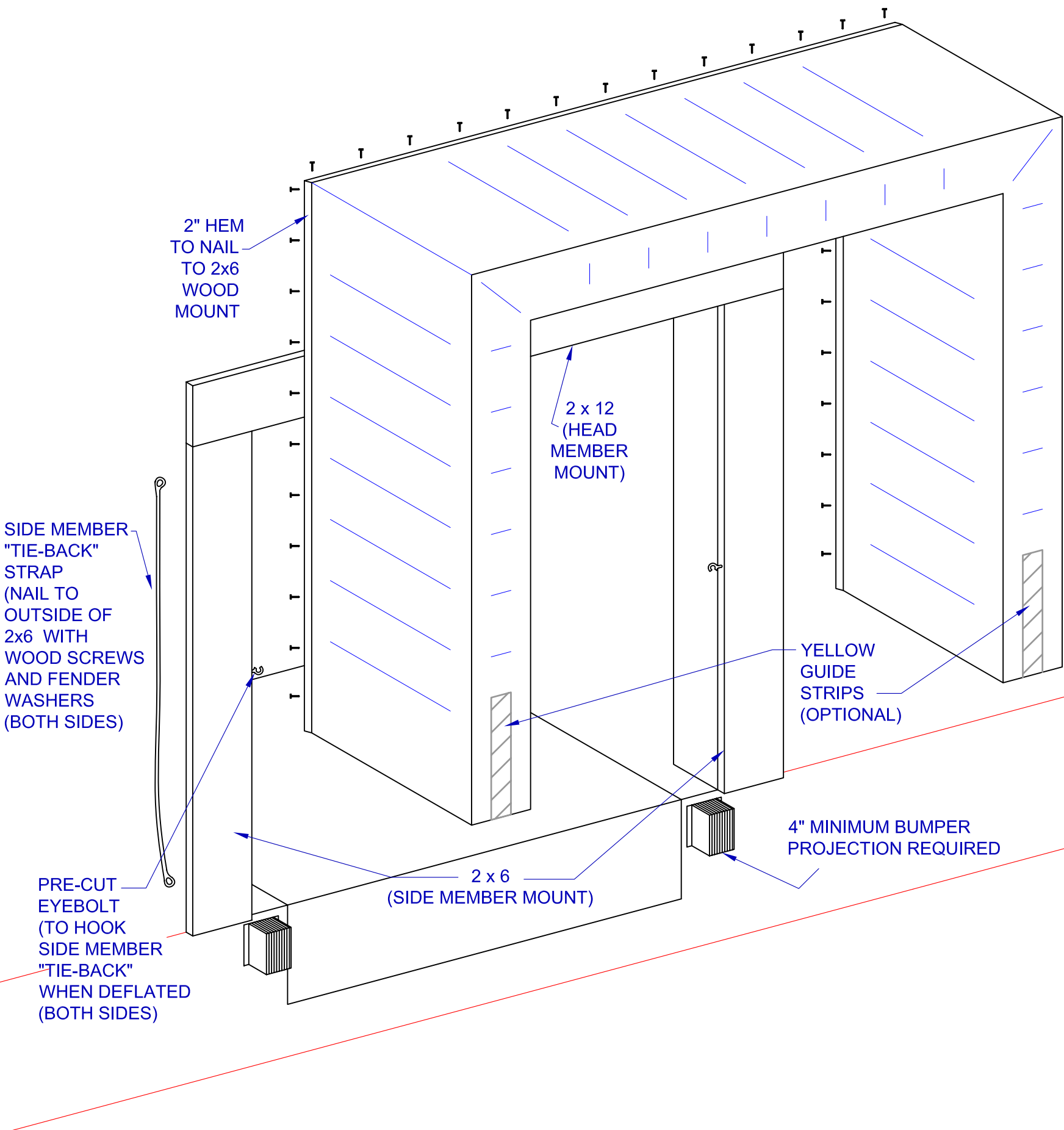
DO NOT INSTALL THIS PRODUCT UNLESS YOU READ AND UNDERSTAND THE WARNINGS AND INSTALLATION INSTRUCTIONS CONTAINED IN THIS MANUAL.
FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.

INSTALLATION INSTRUCTIONS

PERMA AIR SEAL - MODEL 3100

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 member length by measuring the length of the provided 2 x 6's. Mark the building wall for this height from the dock floor.
3. Mark the centerline of the 2 x 12 head frame. Align the mark with the centerline on the door lintel and mount the 2 x 12 head frame using anchor bolts (not included). Be sure to align the **bottom** of the head frame with the height marks made in step 2.
4. Using appropriate anchor bolts (not included), attach the side frame 2 x 6's to the wall.
5. Unfold the unit on the ground in front of the door. Find the centerline of the unit.
6. Align the centerline of the unit and the centerline of the 2 x 12.
7. Using the provided roofing nails, nail the 2" hem to the header 2 x 12, use about one nail every 12 inches. Start at the centerline and move outward.
8. Attach the side members to the wooden 2 x 6's using roofing nails. Use about one nail every 12 inches. Start at the top and move downward.
9. After installing the side members, install one pre-cut eyebolt to the inside of each 2 x 6 as shown on next page. Also attach the side member "tie-back" strap to the outside of the 2 x 6 using wood screws and fender washers. **Note:** To assure effective side member restraint, be sure that there is enough tension in the strap once hooked around eyebolt to hold the side member tight when not in use.
10. The airbag blower duct sleeve comes 36" in length. Align blower with the duct sleeve (any distance less than 30" from the backboard) and fasten in place. Fold back, tuck in, or cut any excess fabric.
11. Use the provided hose clamps to hold the sleeve to the blower.
12. Attach the shock cord brackets (4 or 5 angle brackets) to the wall. Mount one at each of the four corners at 45° angles as shown in Figure 1 (on back). **Note:** If the blower is not top center mounted, then the 5th shock cord bracket is mounted top center. See Figure 1 (on back). Hook shock cords on brackets.
13. Complete electrical connection to blower and inflate as a check. Adjust shock cord lengths or bracket distance if necessary. Shock cords should be just tight enough to eliminate sag when the unit is deflated.
14. Attach hood over blower using appropriate anchor bolts (not provided).
15. When installation is completed, caulk the top and the sides of the unit where it meets the building.
16. Post enclosed operating instructions in convenient location near seal.



2" HEM
TO NAIL
TO 2x6
WOOD
MOUNT

2 x 12
(HEAD
MEMBER
MOUNT)

SIDE MEMBER
"TIE-BACK"
STRAP
(NAIL TO
OUTSIDE OF
2x6 WITH
WOOD SCREWS
AND FENDER
WASHERS
(BOTH SIDES))

YELLOW
GUIDE
STRIPS
(OPTIONAL)

PRE-CUT
EYEBOLT
(TO HOOK
SIDE MEMBER
"TIE-BACK"
WHEN DEFLATED
(BOTH SIDES))

2 x 6
(SIDE MEMBER MOUNT)

4" MINIMUM BUMPER
PROJECTION REQUIRED