



MANUFACTURE & DISTRIBUTION

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INSTALLATION INSTRUCTIONS



Model R-900 Shelter / Wiper Seal

WARNING

Do not install this product unless you have read and fully understood the entire contents of this manual. Failure to do so may result in property damage, bodily injury or death.

INSTALLATION INSTRUCTIONS

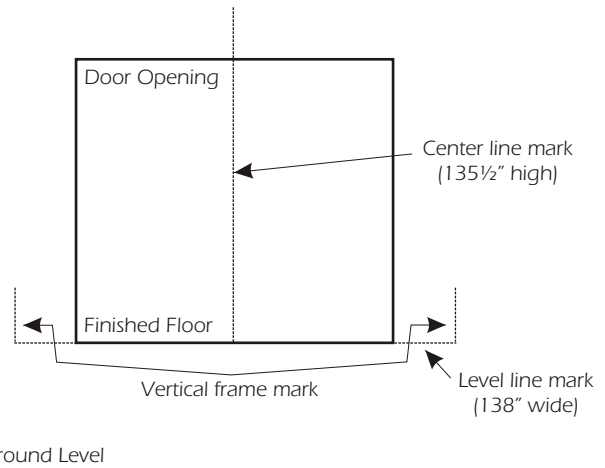
▲ WARNING

The following guidelines are essential for proper installation. Failure to follow these guidelines can cause serious injury or death:

- 1- Work safe. Do not work under and/or around the loading dock area.
- 2- Adequate barricades to prevent vehicle traffic from entering the work area.
- 3- Dock shelter / wiper seal requires a structurally sound building wall.
- 4- Use proper anchors to secure to building structure.
- 5- A lifting device capable of lifting as much as 1000 lbs.

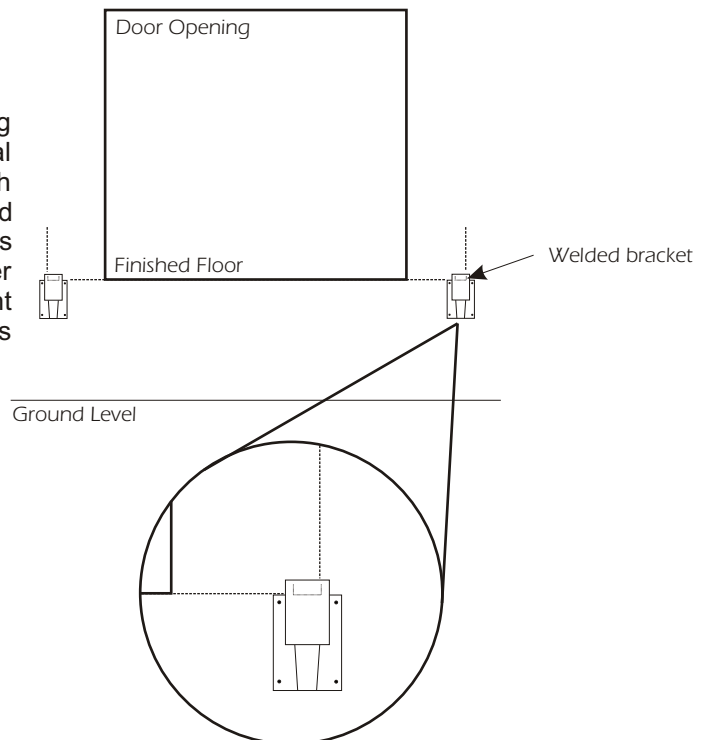
1. Determine door opening

Measure width of the door and mark center line on the dock floor as well as the top of the door opening. Draw a level line even with the dock floor along both sides of the opening. The overall shelter dimensions are 138" wide x 135½" high, outer dimensions.



2. Mount steel guards

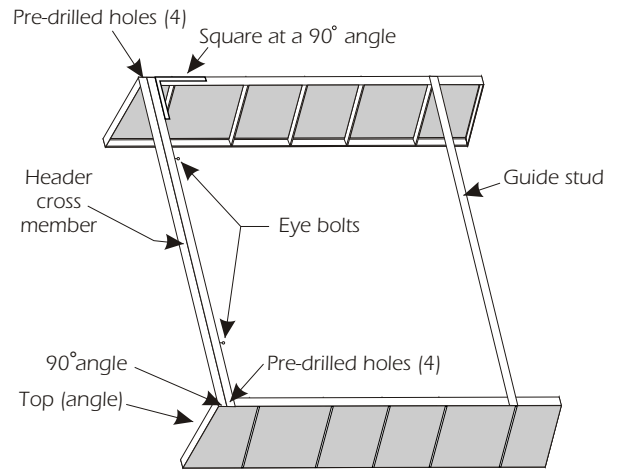
Position steel guards by placing top flat surface of guard along level line and aligning u-shape welded bracket with vertical frame mark. Make sure both guards are level and square with building wall, shim if necessary. Once both guards are leveled to each other, anchor steel guard to concrete wall with anchors supplied. There is also a "guide stud" supplied for proper distance between both steel guards. It is extremely important that both guards are properly align and at proper distance as this is the base for a perfect installation.



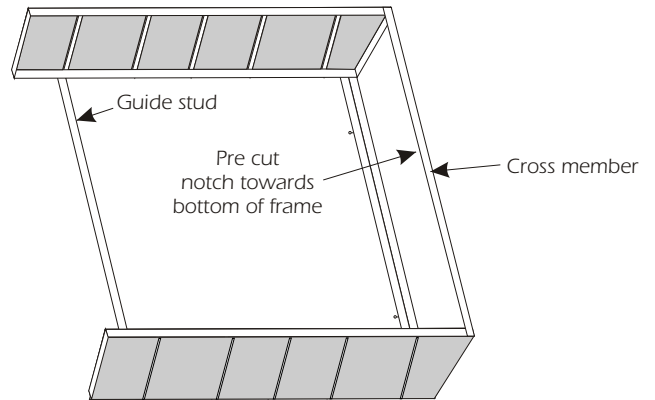
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3. Assembling vertical frames

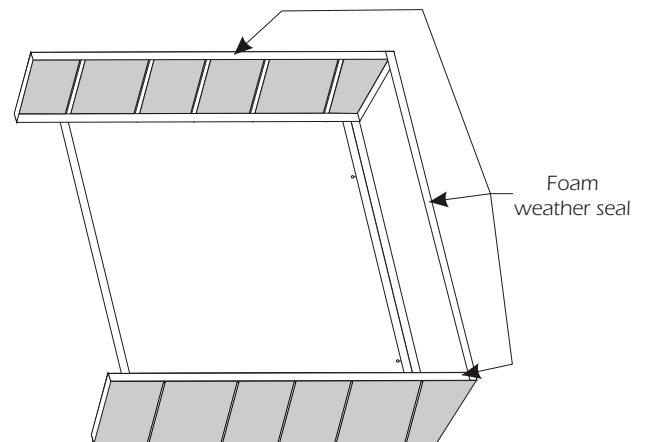
Lay both vertical frames on the ground, black polyethylene towards the outside, revealing the galvanized steel frame from the inside. The bottom of the frame is square and the top is at a sloped angle. With the sloped angle facing up, you take the header cross member, which is 2 galvanized steel stud attached together, with the eye bolts facing towards the bottom of the frame and secure the cross member, properly at a 90 degree angle, to both vertical frames with self-drilling screws included in the hardware kit. Drill two holes on each end of the header cross member to accommodate graded bolt, washer and nut included in the hardware kit.



Once the header cross member is secured into place, you flip the frame 180 degrees so that the header cross member is now facing the ground. Take the cross member that has pre cut notches and secure it square to the back of the frame with self-drilling screws. Make sure the pre cut notches are facing towards the bottom of the frame.



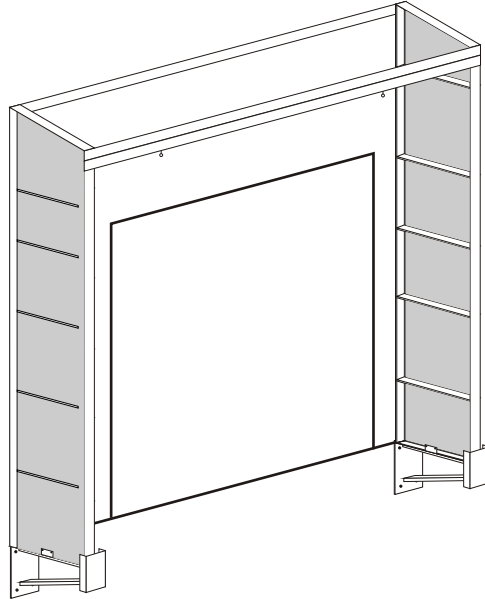
The next step is to apply the foam weather seal on the back of the steel frame. The weather seal will properly seal the shelter frame to the building wall.



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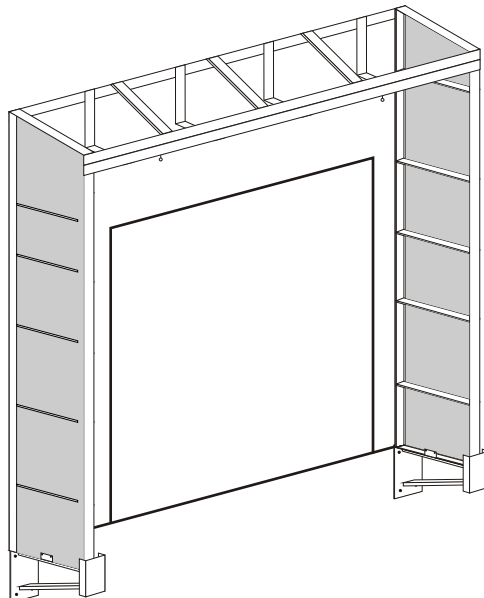
4. Mounting shelter frame to building wall.

This step consist of lifting the shelter on the steel guards installed in step #2. This step recommends at least 2 person as well as a lifting device in order to hold the frame in place on the steel guards and against the building wall. Once the shelter frame is properly align and level with the door frame, you may secure it into place using the self-drilling screws supplied or concrete anchors where needed (not supplied). Pre-drilled holes are already made in vertical frames to accommodate screws. It is extremely important that the shelter frame is properly aligned and leveled.



5. Mounting header angles.

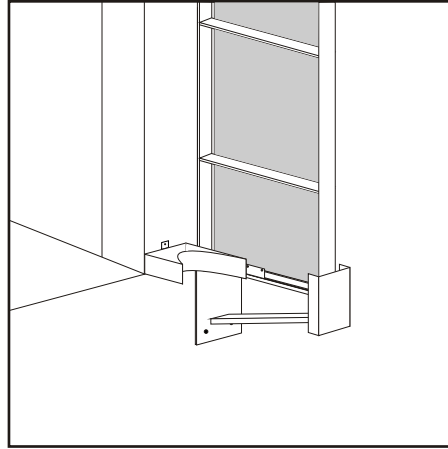
This step consists of mounting four (4) 90 degree header angles and three (3) header slopes to both header cross members. The header cross member already have pre-cut notches for proper placement of the header angles. Vise-grips come in handy to hold the pieces to the cross member while fastening the self-drilling screws.



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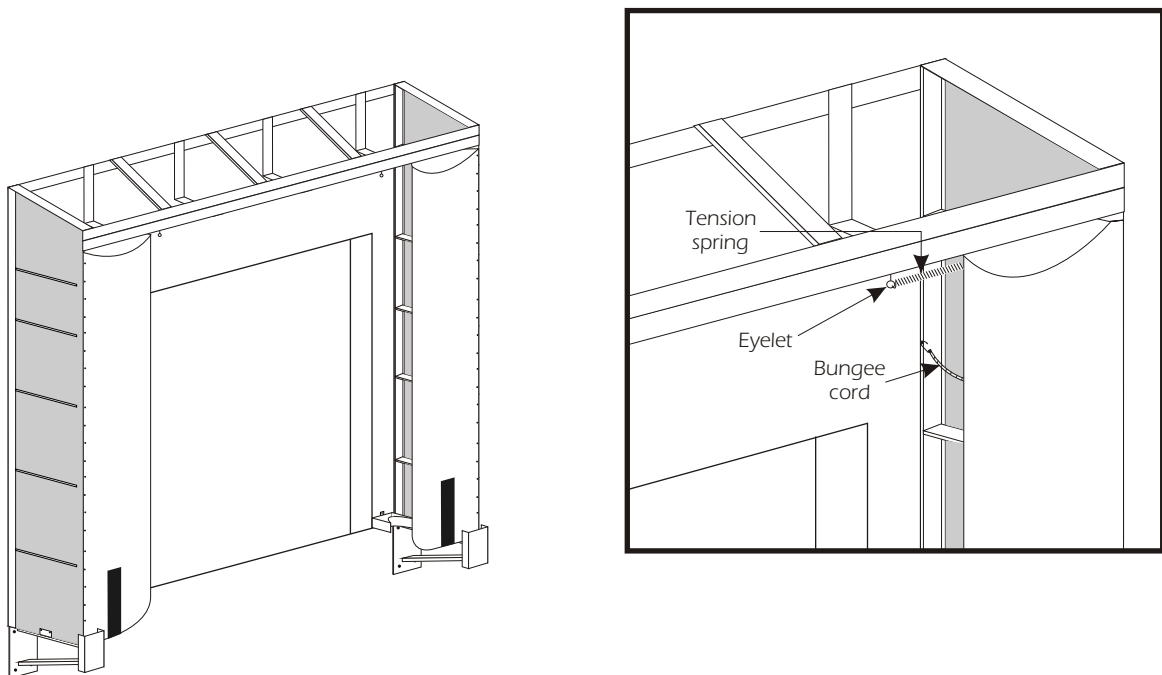
6. Installing bottom draft pad.

The bottom draft pad act as an air gap sealer once a trailer is backed up to the loading dock door. The draft pad is to be aligned with the dock floor and bottom of shelter frame.



7. Installing vertical pads.

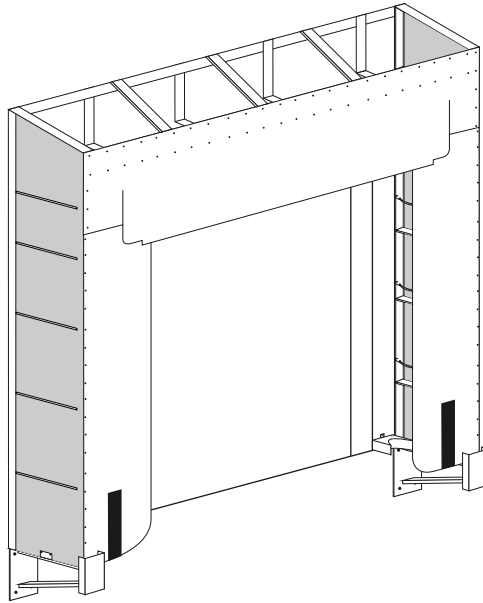
Vertical pads are installed on the front of the shelter frame, on top of the steel guards, using the self-drilling screws and pre-drilled holes to properly mount the vertical pad to the shelter frame. The tension spring has to be hook into the eyelet and the bungee cord hooks into the pre-drilled holes on the side of shelter frame. Repeat same procedures on the opposite side.



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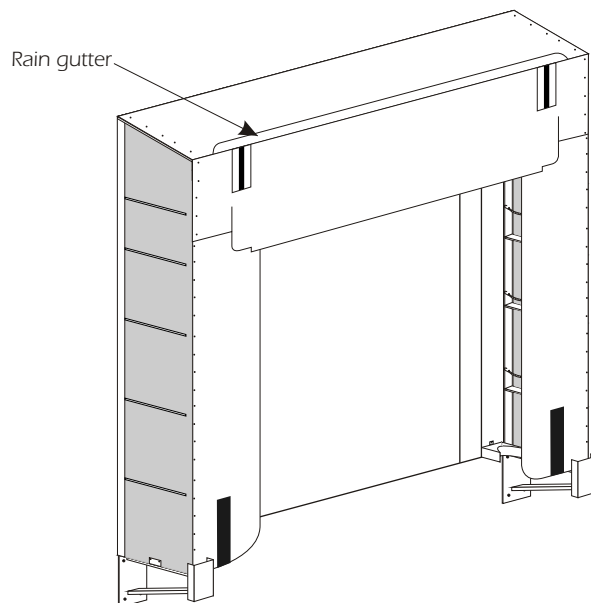
8. Installing header drop flap.

The header drop flap already have pre-drilled mounting holes for easier installation. The small pre-cut notch on the drop flap needs to be align with the marker on the center of the cross member for accurate placement. A good pair of vise-grip can also come in handy to hold the drop flap into place while mounting it to the shelter frame.



9. Installing header top flap.

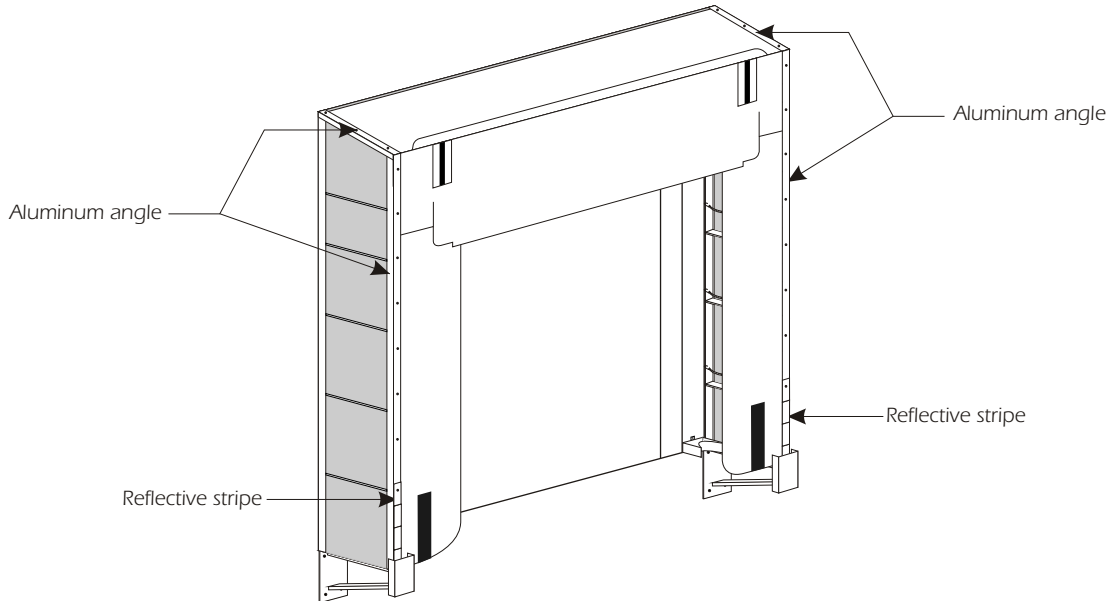
The top flap is to be mounted on top of the shelter frame, as close as possible to the building wall. Once the top flap is secure into place, the front part is align with the three (3) velcro pieces already in place. It is important that the rain gutter is on the edge of the frame. Once everything is properly aligned, the next step is to finish mounting the top flap on both ends (top & front) of the shelter frame.



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10. Installing aluminum angles.

Aluminum angles are to be installed on the edges of the shelter frame with self-drilling screws. It adds a finishing touch to the shelter / wiper seal.



11. Caulking.

The final step is to properly apply caulking between the building wall and shelter frame to prevent water from penetrating the dock area. Caulking is also recommended behind the rain gutter for water to drain on both sides of the shelter and trailer.

