

INSTALLATION INSTRUCTIONS
R-MODEL INFLATABLE RAIL SHELTER

SUPER SEAL MFG. LTD. WILL NOT BE HELD RESPONSIBLE FOR:

1. **IMPROPER INSTALLATION OF ANCHORING DEVICES.**
2. **INSTALLATION INTO AGED OR UNSOUND CONCRETE BLOCK OR OTHER WALL OR FLOOR MATERIAL, WHICH MAY RESULT IN PREMATURE PRODUCT WEAR, PRODUCT FAILURE, PROPERTY DAMAGE, OR PERSONAL INJURY.**

SUGGESTED MOUNTING METHODS PER UNIT:

**THREE (3) ANCHORS PER FRAME MEMBER RECOMMENDED – ONE AT CENTER AND ONE OFFSET AT EACH END.
USE MORE IF NECESSARY.**

(A) CONCRETE BLOCK, BRICK WALL, OR PRECASTED CONCRETE:

Use 3/8" x 3" Expansion Anchors. Use through bolt fastening if anchors will not hold – 3/8" threaded rod is recommended (supplied by other).

(B) METAL SIDING ON BUILDING OR METAL WALL BUILDING:

Through bolt fastening as above (supplied by others). Use a back up plate (steel or wood) to support bolts. Another alternative is to use wood lags with back plate from inside building to back of seal.

1. READ INSTRUCTIONS THROUGH COMPLETELY BEFORE INSTALLATION:

2. MEASURE DOOR TO ENSURE PROPER DIMENSIONS:

3. REVIEW PARTS LIST TO ENSURE ALL PARTS HAVE BEEN SUPPLIED:

4. DETERMINE CENTERLINE OF DOOR OPENING AND HEAD PAD:

Locate centerline of door opening and mark on dock floor. Take 1/2 the head pad width and mark the distance on both sides of the door centerline.

Note: This will determine the outside position of each vertical frame.

5. DETERMINE POSITION OF VERTICAL FRAME BOTTOM EDGES: Typically level with dock floor.

Note: If the shelter is a four-sided unit, the Verticals are typically mounted one (1) foot below the floor line.

6. VERTICALS MARK AND DRILL HOLES FOR 3/8" SLEEVE ANCHOR BOLTS: At center and 12" from each end of each Vertical frame, make and drill (6/side/unit) holes for 3/8" x 3" Sleeve Anchor bolts.

7. MOUNT VERTICAL FRAMES TO WALL: Outside edge of vertical frame should be placed on marks from Step #4 and bottom edge on marks from step #5. Be sure frames are plumb from top to bottom. Fasten the vertical frame using (12/unit) 3/8" x 3" Sleeve Anchors (Detail A).

FRAMES TO BE MOUNTED PLUMB AND SQUARE

8. HEADER MARK AND DRILL HOLES FOR 3/8" SLEEVE ANCHOR BOLTS: At center and 12" from each end of Header frame, make and drill (6/unit) holes for 3/8" x 3" Sleeve Anchor bolts.

9. MOUNT HEADER FRAME: Place 2" x 12" head frame flush with building wall and vertical frames. Fasten to wall using (6/unit) 3/8" x 3" Sleeve Anchor bolts.

- 10. **MOUNT AIR BAG TO FRAME:** Align the air bag with the frame at the top corners of frame – fasten at each corner using NO.14 Wood Screws and washers provided. Working across the top and then down each vertical side every 12” (Detail B)
- 11. **MOUNT MOTOR/BLOWER AND HOOD:** At motor/blower hole locations use (4/Motor) 3/8” x 3” Sleeve Anchors provided to mount motor/blower on wall, directly above air connector. At hood hole locations use (6/Hood Cover) 3/8” x 1-7/8” Sleeve Anchors provided to mount hood to wall.

FOURTEEN FOOT (14’) MINIMUM CLEARANCE REQUIRED FROM BOTTOM OF PROTECTIVE HOOD TO GRADE

- 12. **CONNECT AIR BAG TO MOTOR BLOWER:** Release strap from Motor/Blower and slide it around material throat of air bag. Pull material over fan throat, ensuring the air flow without interference of gathered material. Secure into place with strap.

Note: It may be necessary to trim off some of the excess material. If so, be careful not to cut too much
(SUPER SEAL IS NOT HELD RESPONSIBLE FOR CUTTING MODIFICATIONS DONE BY INSTALLER)

- 13. **MOUNT RETRACTION ARMS:** Along the Header fabric portion there are “D” Rings sew into the material. Mount retraction arms 6” above head frame of rail shelter and directly in line with “D” Rings on top of rail shelter (Detail C).

Note: It is important to mount the retraction arms plumb and square.
It may be necessary to adjust the Chain lengths to ensure that the air bag does not sag into the opening.

- 14. **MOUNT RETRACTION CORDS:** At the bottom corner of each Vertical and at every second bag there are “D” rings. Using bungees and 3/8” x 1-7/8” Sleeve Anchors supplied, mount bungees to allow unit to inflate and deflate properly.

Note: The typical mounting location of the bungees is 45 Degrees. However, please test the operation of the door to ensure the bungees assist the unit when retracting and allow the unit to inflate completely without interference (Isometric Detail).

- 15. **CAULK BETWEEN HEAD FRAME AND WALL:** Outside only. A silicone or butyl rubber caulk is recommended.

Note: If mounting on a siding or pre-cast building, fill in gaps with Styrofoam.

- 16. **MOUNT MOTOR/BLOWER ON/OFF SWITCH:** Install Motor/Blower switch at a location desired by the customer.

Note: ALL ELECTRICAL HOOK-UPS MUST BE DONE BY A LICENSED ELECTRICIAN

PACKING LIST-STD. 120”W x 120”H UNIT WITH 36” PROJECTION

PART	QUANTITY	PART	QUANTITY
INFLATEABLE FABRIC	1	CHAIN	*
HEADER BACKING	1	BUNGEE	4 MINIMUM
VERTICAL BACKING	2	NO.14 WOOD SCREWS	88
MOTOR	1	3/8” LOCK WASHER	88
MOTOR HOOD	1	3/8” X 3” SLEEVE ANCHORS	24
ON/OFF SWITCH	1	3/8” X 1-7/8” SLEEVE ANCHORS	24
HOSE CLAMP FOR MOTOR TO AIR INLET: 3-1/2” -5-1/2”	1	RETRACTION ARMS	*

(*) – QUANTITY DEPENDS ON SIZE OF UNIT

DETAILS

