



FAIRBORN USA INC.

*Fairborn USA Inc.
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Series 4000 Flexible Rail Shelter

All Models

Installation Instructions



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.

SERIES 4000 FLEXIBLE STEEL FRAME RAIL SHELTER

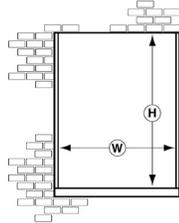
Installation Instructions

CHECK FIRST:

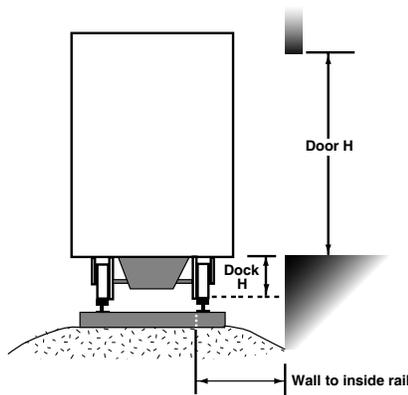
To ensure proper measurement to accommodate the rail Dock Shelter you are installing, check the following:

A. Check the door height and width to verify that your shelter frame is properly sized.

B. It is recommended that the rail shelter frame projection conform to the following formula. Projection equals inside of nearest first rail to wall dimension - minus 24".



C. Unit height should be 15'-0" off top of rail for box cars. For refrigerated cars, unit height should be 15'-6".



⚠ WARNING

Improper lifting or attachment of seal/shelter can cause serious injury or death.

Installation requires:

- A structurally sound building wall,
- Barricades to keep people away from the area,
- Proper attachment of anchoring devices,
- Two or more people,
- A lifting device capable of lifting at least 500 lbs. at the installation angle.

If you have questions, contact your supervisor, your local Fairborn distributor or Fairborn USA at 1-800-262-1188.

INSTALLATION (ALL SERIES):

1. Locate centerline of door.
 - 1A. For 4100 and 4200 only. Mount 2" x 4" bottom member with bottom 12" below dock level.
2. Nail tiebacks to rear of side frame, approximately 3'-0" and 5'-0" up from bottom (two sets per side).
3. Mount 2"x12" side members, bottom flush with dock level; centered with door width, making sure they're plumb.
4. Mount header (2"x6" raked or 2"x4" flat) between and flush with top of side frames.
5. Turn cover to locate top and bottom pipe sleeves. Insert pipe. Attach single pulley to center of top pipe using furnished hose clamps. Attach single pulley at each end of bottom pipe, using hose clamps.
6. Drape cover over frames; insert top and bottom pipe into single socket "T's". Insert plastic end caps on pipe.
7. Tack cover into place using furnished roofing nails.
 - 7A. For 4100 and 4200 only. Attach wood lattice strip on top of cover and secure the perimeter with furnished duplex nails.
8. Insert ropes through pulleys, three (3) per unit:
 - A. (Longest Rope)
 - a. Secure to eyebolt on lower right hand side frame
 - b. Through single pulley on bottom pipe
 - c. Through single pulley on lower right hand side frame
 - d. Up to single pulley on top of side frame
 - e. Across the width of the header, going under the center-attached pulley and through the double pulley on left side of head frame.
 - f. Down to cleat
 - B. (Middle Rope)
 - a. Secure to eyebolt on head frame
 - b. Out to single pulley on center top pipe
 - c. Back to single pulley center of head frame
 - d. Over to double pulley side of head frame.
 - e. Down to cleat
 - C. (Short Rope)
 - a. Secure to eyebolt lower left side frame
 - b. Out to single pulley on left bottom pipe
 - c. Back to single pulley lower left side frame
 - d. Up to single pulley top of left side frame
 - e. Down to cleat
9. Attach springs, adjusting tension with chain links.
10. Attach three (3) tarp straps to head curtain.
11. Caulk and fill all voids. Clean pads and hardware as required. Clear the dock area of any debris resulting from installation procedure.

SUGGESTED MOUNTING METHODS:

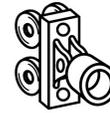
(Mounting anchors not included.)

Concrete or Brick Wall: Try to hit mortar joints. Use 1/2" or 3/8" x 3" expansion anchors. Use through-bolt fastening if anchors will not hold, 3/8" threaded rod is recommended.

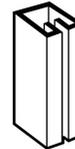
Precast Concrete: Same as above.

Metal Skin Building: Through-bolt fastening as above. Use a back-up plate (steel or wood) to support bolts or anchor through existing building horizontal and vertical structural members when possible.

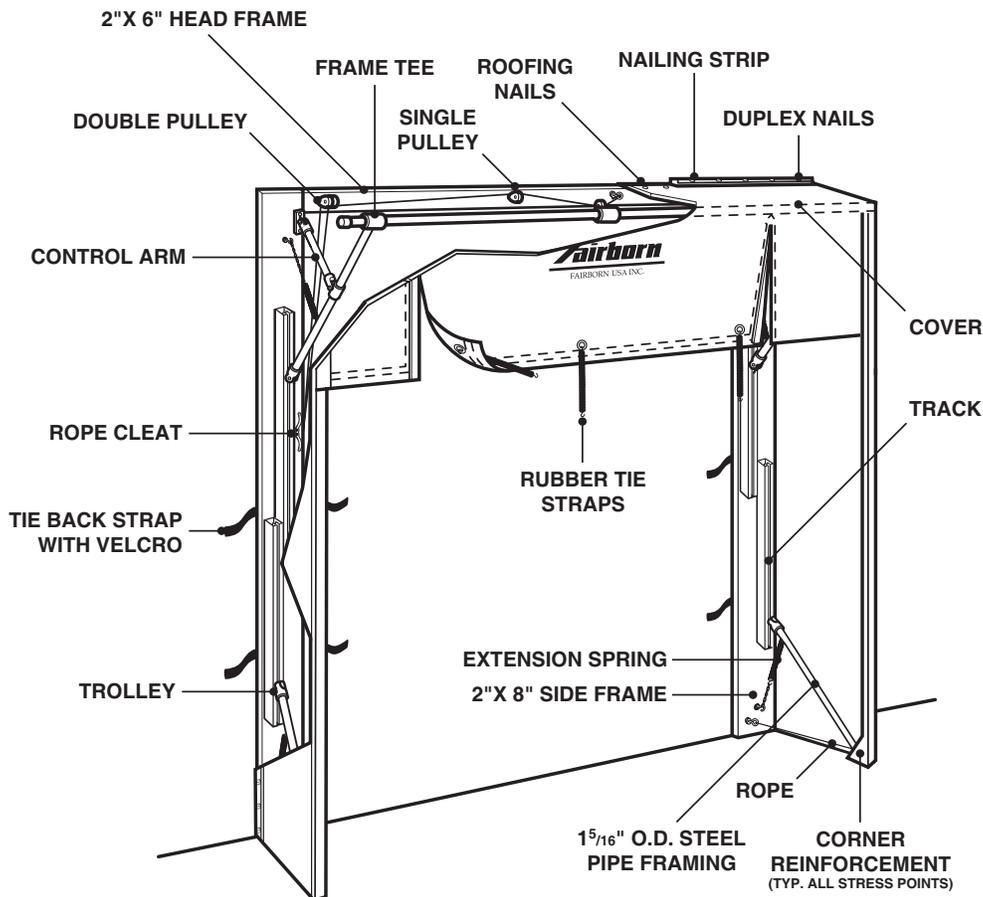
NOTE: Dock Seals must have adequate bumper protection, 4" minimum.



TROLLEY
(BALL BEARING STEEL
WHEELS – ZINC PLATED)



TRACK
(MIN. 16 GA.
GALVANIZED STEEL)



SERIES 4000
3-SIDED FRAME, 3-SIDED COVER



FRAME TEE
(DIE CAST STEEL PLATED)



DOUBLE PULLEY
(PLATED)

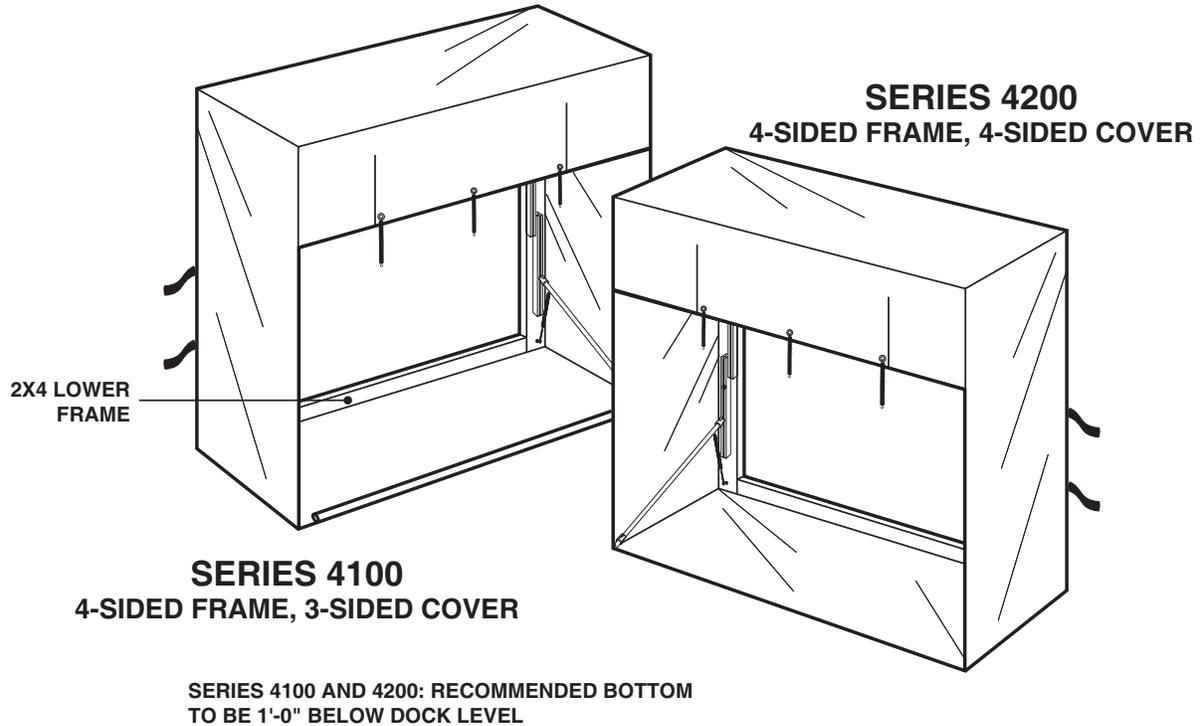


SINGLE PULLEY
(PLATED)



CLEAT
(PLATED)

OPTIONAL CONFIGURATION:



LIMITED PRODUCT WARRANTY

GENERAL

FAIRBORN USA INC. EXTENDS THIS LIMITED WARRANTY TO THE ORIGINAL BUYER AND WARRANTS THAT ALL PRODUCTS MANUFACTURED BY FAIRBORN SHALL BE FREE FROM ORIGINAL DEFECTS IN WORKMANSHIP AND MATERIALS FOR ONE YEAR FROM DATE OF SHIPMENT, PROVIDED SAME HAVE BEEN PROPERLY SIZED FOR THE APPLICATION, STORED, INSTALLED, SERVICED, MAINTAINED AND OPERATED. THIS WARRANTY SHALL NOT APPLY TO PRODUCTS WHICH HAVE BEEN ALTERED OR REPAIRED IN ANY WAY SO AS, IN FAIRBORN'S JUDGMENT, AFFECTS ITS PERFORMANCE OR RELIABILITY, NOR WHICH HAVE BEEN IMPROPERLY INSTALLED OR SUBJECTED TO MISUSE, NEGLIGENCE, OR ACCIDENT, OR INCORRECTLY USED IN COMBINATION WITH OTHER SUBSTANCES. COMPENSATION FOR PRODUCTS HAVING WEAR AND TEAR CAUSED BY NORMAL USAGE IS NOT PROVIDED FOR BY THIS WARRANTY.

DYNALON

IN CONSIDERATION OF THE SAME CONDITIONS AND RESTRICTIONS AS STATED ABOVE, DYNALON IS WARRANTED AGAINST THE EFFECTS OF WEATHERING FOR A PERIOD OF FIVE YEARS AS DESCRIBED WITHIN. AS PART OF THIS AGREEMENT THE TERM "WEATHERING" IS DEFINED AND LIMITED TO THE EFFECTS OF SUNLIGHT (ULTRAVIOLET RADIATION), WATER (ATMOSPHERIC PRECIPITATION), COLD, AND HEAT. THIS WARRANTY IS NOT APPLICABLE IF THE DYNALON HAS BEEN EXPOSED OR SUBJECTED TO CORROSIVE AGENTS, CHEMICALS, OR MECHANICAL ABUSE.

IN THE EVENT THAT THE EFFECTS OF WEATHERING RENDER THE PRODUCT, CONSTRUCTED OF DYNALON, INOPERABLE DUE TO CRACKING, CHECKING, OR ULTRAVIOLET BREAKDOWN, THEN FAIRBORN USA INC., AFTER INSPECTION AND VERIFICATION, WILL FURNISH REPLACEMENT MATERIALS, AT NO COST TO CUSTOMER, TO FIX OR REPAIR AND/OR REPLACE THE INOPERABLE COMPONENTS. FAIRBORN SHALL NOT BE RESPONSIBLE FOR THE ON-SITE LABOR, FREIGHT, LOSS OF USE OR ANY OTHER EXPENSE RELATED TO THE AFOREMENTIONED CLAIM.