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# **FOAMSIDE® TRUCK SHELTER SERIES FSR-1000**

## **TUFSTEEL® GALVANIZED STEEL FRAMING**

### **Installation Instructions**

FORM NO: 4F-FSR-1/07



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.

Kelley FoamSide® FSR-1000 Truck Shelters are custom built for each application. Installation procedures are the same for all FoamSide FSR-1000 Truck Shelters regardless of size. Installation requires two people and a forklift truck or similar device to lift and position the shelter components. Lifting equipment to be determined by installer.

## **WARNING**

*Improper installation of anchoring devices or installation into aged or unsound concrete or other faulty or inadequate building wall construction could result in serious injury or death, as well as premature product wear, product failure or property damage.*

*Inadequate lifting equipment or unsafe lifting practices can cause a load to fall, tip or swing unexpectedly. Make sure lifting devices are in good condition and have a rated capacity of at least 500 lbs. at the lifting angle being used. Never allow anyone to stand on or near the dock shelter component when it is lifted or placed. Failure to follow this warning could result in serious personal injury or death to bystanders if component unexpectedly falls, tips or swings. If you have any questions contact your supervisor or your local Kelley distributor for assistance.*

*Assembly of components should be performed in such a way so as to maintain cleanliness of equipment before final installation. Lifting equipment to be determined by installer (man lift and forklift or boom lift typical). Wear safety glasses, gloves, hard hats, safety shoes and all necessary protective clothing.*

### **INSTALLATION:**

**1. Mark centerline location of door opening width** on dock floor. Take ½ of head frame width and mark this distance on either side of door centerline.

**NOTE:** This will determine the position of the outside edge of each foam side member.

**2. Attach three (3) sets of mounting brackets per side member or (4) sets on side members 11'-0" high or higher** with screws provided. Type of mounting brackets ordered depends upon mounting position of side member. (See Foam Side Member Mounting Details) Two (2) sets of brackets should be attached as close to 3" from top and bottom of side member as possible. One (1) set of brackets should be attached at or near the middle of side member. When an extra bracket set is supplied for taller side members space it and the other middle bracket evenly between end brackets.

**NOTE:** Final location of brackets (conforming as closely as possible to requirements detailed in step 2) to be determined by installer to suit spacing of mortar joints or other wall configurations.

**3. Mount foam side members to wall.** Side members should be placed on marks established in step 1, with bottom of side member even with dock floor or at the top of raised dock bumpers on low docks. Side members must be plumb from top to bottom with draft pad flaps facing inward.

**NOTE:** If mounting brackets extend into door opening, trim off or bend brackets back against door jamb. (See Foam Side Member Mounting Details.)

**4. Mount head frame to wall.** Center head frame on top of foam side members, taking care to avoid damage to side member cover material. ***It is necessary to anchor head frame to building in three (3) locations***, one on center and two approx. 12" from each end. For mounting on metal building walls, an additional factory installed rear brace on head frame is ***required***. Three (3) anchors for this style of head frame are recommended (two anchors evenly spaced is acceptable).

**5. Mount head frame support brackets** to building wall and front ends of head frame. ***The area where support bracket angle and building wall meet must be able to support a load of 800 lbs perpendicular to building wall and an 800 lb. shear force.*** Inadequate wall structures must be reinforced prior to final attachment of head frame brackets. Attach mounting supports to head frame with TEK screws as shown. Note: 3-1/2" clearance required outside of both side members for bottom angle of head frame support bracket.

**6. Install fiberglass stays into side curtains.** Fiberglass stays are shipped loose and included with mounting hardware. Lift stay cover flap (retained with hook-loop) located along outside edge of side members. Under the flap and slightly recessed you will find a ¼" wide lip of fabric folded toward the front of the shelter. As you insert stay into pockets make sure that outside edge of stay is tucked under fabric lip and securely close stay cover flap. Note: internal fabric retention lip keeps stays from pushing out of side curtain.

**7. Attach side curtain retention straps to head frame.** Connect strap between grommet tab on top inside edge of side curtain and holes in bottom edge of front frame channel. Crimp ends of S-hooks.

**8. Assemble head curtain to head frame.** Center head curtain on head frame. Fasten TEK screw through hole in top of head curtain, through stay and into hole on front of head frame. Do not tighten. Attach head curtain to head frame at each end using TEK screws. Tighten end screws. Position slot in top angle over center TEK screw. Fasten angle to frame with TEK screws through stays, 3" from each end (above side hem of head curtain) and in two places evenly spaced above pleats. ***(All stays must be secured to frame)***. Tighten center screw. Note: there are no head curtain wind straps.

**9. Connect draft pads to foam side members** using hook and loop. Bottom of pad should be level with dock floor. Ensure hook and loop are securely fastened.

**10. Caulk between shelter head and side members and wall** around the outside edges. A silicone caulk (supplied by others) is recommended.

**NOTE:** If optional foam side member steel protectors are provided, anchor protectors onto dock face 1" below side members and centered under side member.

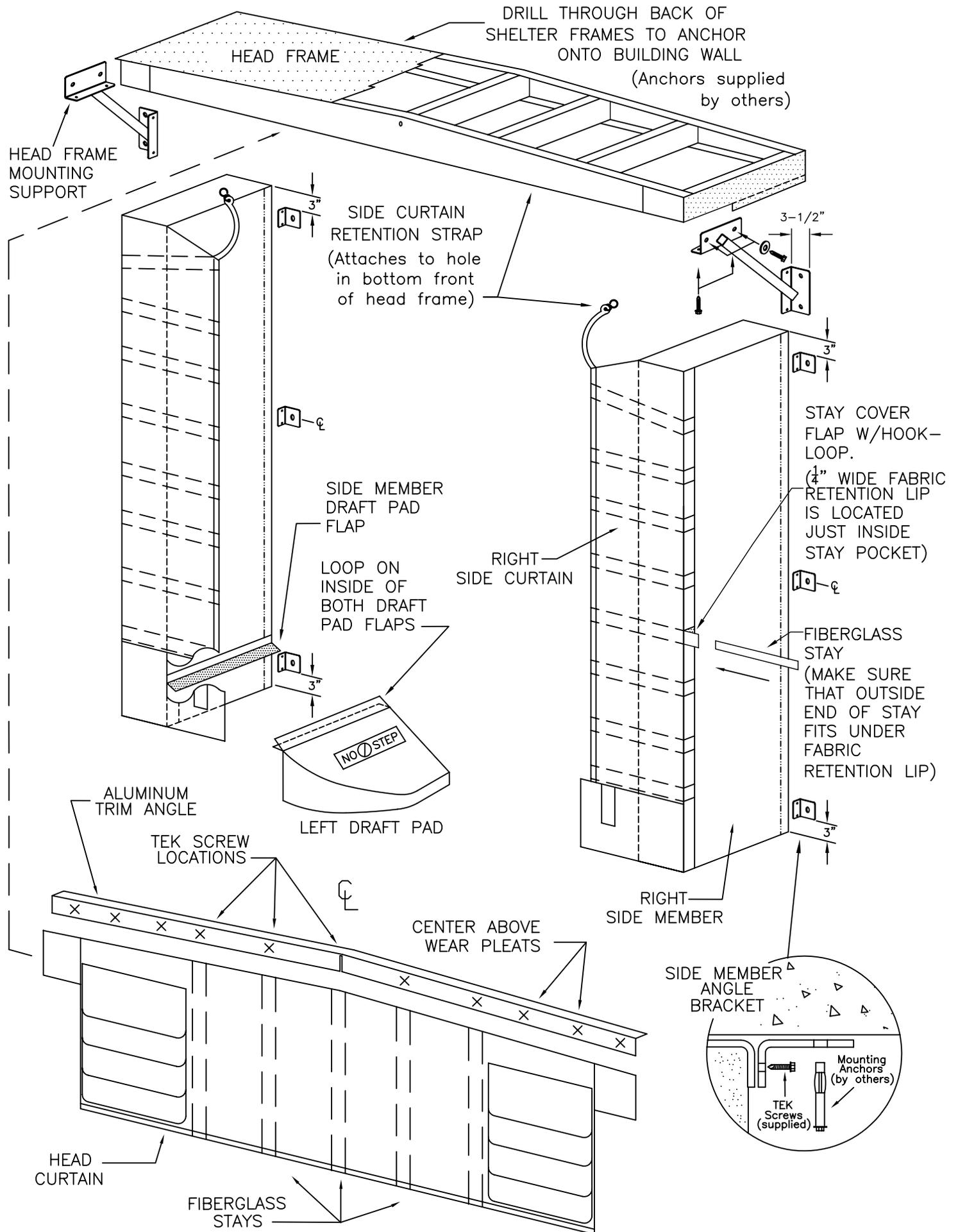
### **SUGGESTED MOUNTING METHODS:** **(Mounting anchors not included)**

#### **MASONRY BUILDING WALLS:**

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.

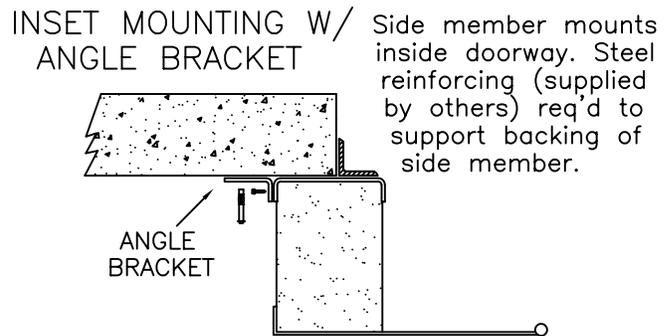
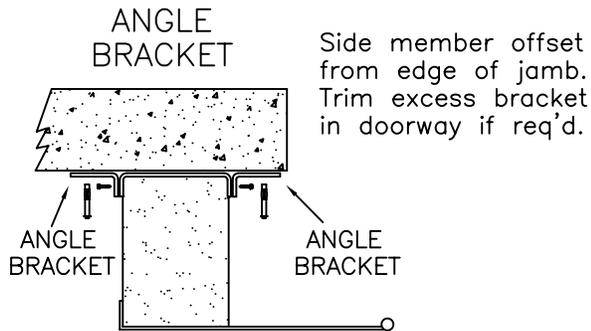
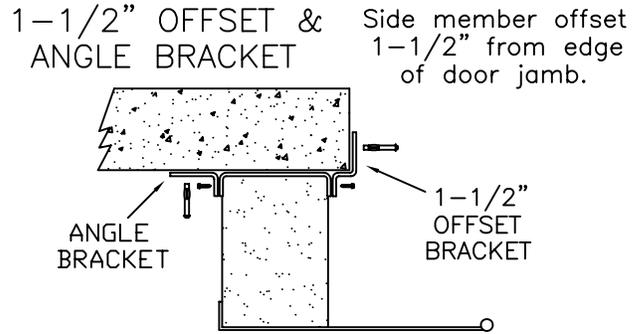
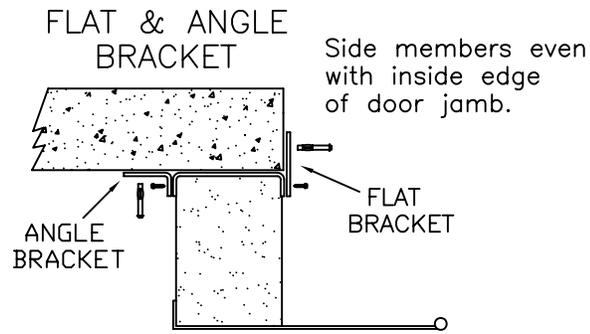
#### **METAL BUILDING WALLS:**

Through-bolt fastening required. Use a back-up plate (steel or wood) to support bolts or anchor through existing building horizontal and vertical structural members.

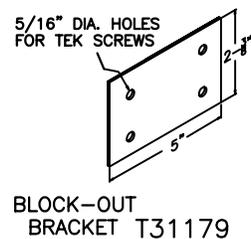
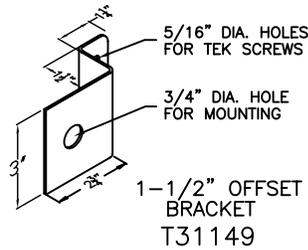
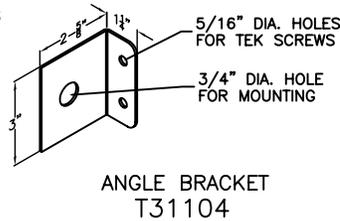
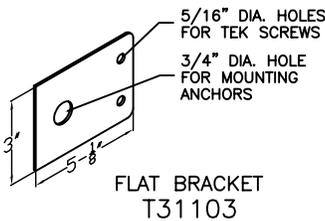


FOAM SIDE MEMBER MOUNTING DETAILS  
(MOUNTING ANCHORS NOT INCLUDED)

Brackets are attached to galvanized steel backing with TEK screws (supplied).  
(LEFT SIDE MEMBER SHOWN BELOW)



MOUNTING BRACKETS (14 GAUGE GALVANIZED STEEL)



**WARRANTY**

4Front Engineered Solutions, Inc. expressly warrants that this Dock Seal or Shelter will be free from defects in materials and workmanship under normal use for a period of one (1) year from the earlier of (1) 60 days after date of shipment by 4Front Engineered Solutions, Inc. or 2) the date of installation of the Dock Seal or Shelter by the original purchaser, provided the product is properly applied and installed. In the event this Dock Seal or Shelter proves defective in material or workmanship, 4Front Engineered Solutions, Inc. will, at its option:

1. Replace the Dock Seal or Shelter or the defective portion thereof without charge to the purchaser; or
2. Alter or repair the Dock Seal or Shelter, on site or elsewhere, without charge to the purchaser.

The warranty stated in the preceding paragraph is the sole and exclusive warranty for this product AND IS IN LIEU OF ALL OTHER GUARANTEES AND WARRANTIES, EXPRESS OR IMPLIED. This warranty does not cover any failure caused by improper installation or application, abuse, or negligence. Parts requiring replacement due to damage resulting from vehicle impact, abuse or improper installation are not covered by this warranty. Seller assumes no responsibility or liability for (1) consequential damages of any kind which result from the use or misuse of the Dock Seal or Shelter, (2) damage or failure resulting from the use of unauthorized replacement parts or modification of the Dock Seal or Shelter; (3) damage resulting from the misuse of the Dock Seal or Shelter. **THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF, AND THERE IS NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.**

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