4Front Entrematic

W183 S8253 Racine Avenue

Muskego, WI 53150

Tel: (262) 679-6200

Fax: (262) 679-6210



## **S-420**

## **RIGID FRAME**

#### TRUCK SHELTERS

**SERCO STEEL® GALVANIZED STEEL FRAMING**

### Installation Instructions

######  FORM NO: 4F-S420-6/13

######  PART NO: T31643

 Do not install this product unless you read and

 **WARNING**

 understand the Warnings and Installation

 Instructions contained in this manual. Failure to

 do so could result in serious injury or death.

**Serco S-420 Series Rigid Frame Truck Shelters are custom built for each application. Installation procedures are the same for all S-420 Series truck shelters regardless of size.**

**Installation requires two people and a forklift truck or similar device to lift and position the shelter frames.**

  **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 practices can cause a load to fall unexpectedly. Make sure lifting devices are in good condition and have a rated capacity of at least 500 lbs. at the lifting angle that they are being used. Never allow anyone to stand on or near the truck shelter when it is lifted or placed. Failure to follow this warning can allow the truck shelter to fall, tip or swing into people causing serious injury or death. If you have any questions contact your supervisor or your local Serco distributor for assistance.

***Assembly of components should be performed in such a way so as to maintain cleanliness of product 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 shoe and all necessary protective clothing.***

##### INSTALLATION

**1. Determine centerline of door opening width** mark on dock. Measure head frame width and mark ½ this dimension on dock wall on either side of centerline.

**2. Mount steel supports**. Outside edge of steel support protector should be placed at mark on dock wall. Top flat surface of steel support should be mounted level with dock floor or at the top of raised dock bumpers. Use supports as either right or left.

**3. Mount side frames to wall**. Side frame is positioned on top of flat portion of steel support protector. The outside edge of the side frame should be flush with outside edge of steel support protectors. Be sure frames are plumb from top to bottom. Three (3) anchors are recommended for each side frame. Unscrew and remove cross banding on side frames.

 ***! IMPORTANT !***

If building wall surface is irregular, damage to side and head frame cover material can occur as anchoring fasteners are tightened. Use shims as required to compensate for irregularities. Tighten frame to wall carefully.

**4. Attach side frames to steel supports** using bolt, nut and washers (provided) through pre-punched hole in top of steel support. If pre-punched holes don’t align due to dock offset, drill hole in side frame as required.

**5. Mount head frame to wall**. Place head frame on top of side frames, taking care to avoid damage to extended section of side frame fiberglass cover. Extended aluminum angle on side frames fits under head frame aluminum angle. ***It is necessary to anchor head frame to building in three (3) locations***, one on center and two approx. 12” from each end. When head frame will be mounted on a metal building wall, an additional factory installed brace on rear of head frame is required. Three (3) anchors for this style of head frame are recommended (two anchors evenly spaced is acceptable). Removal of head frame banding is optional.

**6. Attach head frame to the side frames**. Use 3” x 3” x 1” angle brackets with TEK screws to connect bottom of head frame to top front inside edge of side frame.

**7. Attach fiberglass at top of side frames to ends of head frame** in (3) locations with TEK screws provided.

**8. Assemble side curtains to side frames**. Position side curtain on frame and push panel clip (pre-inserted in side curtain) into pre-drilled hole in top front of side frame. Aluminum angle must be mounted flush with bottom of side frame. Fasten non-slotted aluminum angle to side frame with TEK screws (supplied) through angle and stays and at 4” up from bottom of side frame.

**9. Assemble head curtain to head frame**. Center head curtain on head frame. Fasten TEK screw through hole in top center 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-see back page)***. Tighten center screw. Head curtain end tabs are fastened to side frame under side aluminum angle with TEK screws.

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

**11. Attach head curtain wind straps to side frames**. Attach end of wind strap to head curtain grommet tab. Extend strap to nearest curtain screw below the grommet tab, loosen screw and attach S-hook behind aluminum angle and screw head. Crimp ends of S-hooks. Tighten curtain screw. ***(Wind straps must not be pulled to a higher or lower curtain screw).***

**12. Attach draft pads**. Bottom of pad should be level with dock floor. Fold ends of material flap inward and attach aluminum angle over flap using TEK screws in two locations. Insure snug fit of draft pad to frame.

**13. Caulk between shelter frames and wall** around the outside edges. A silicone caulk (supplied by others) recommend.