



MODEL ST-8500-S

Standard Steel Storm-Top Cover Assembly Instructions

Patent Protected

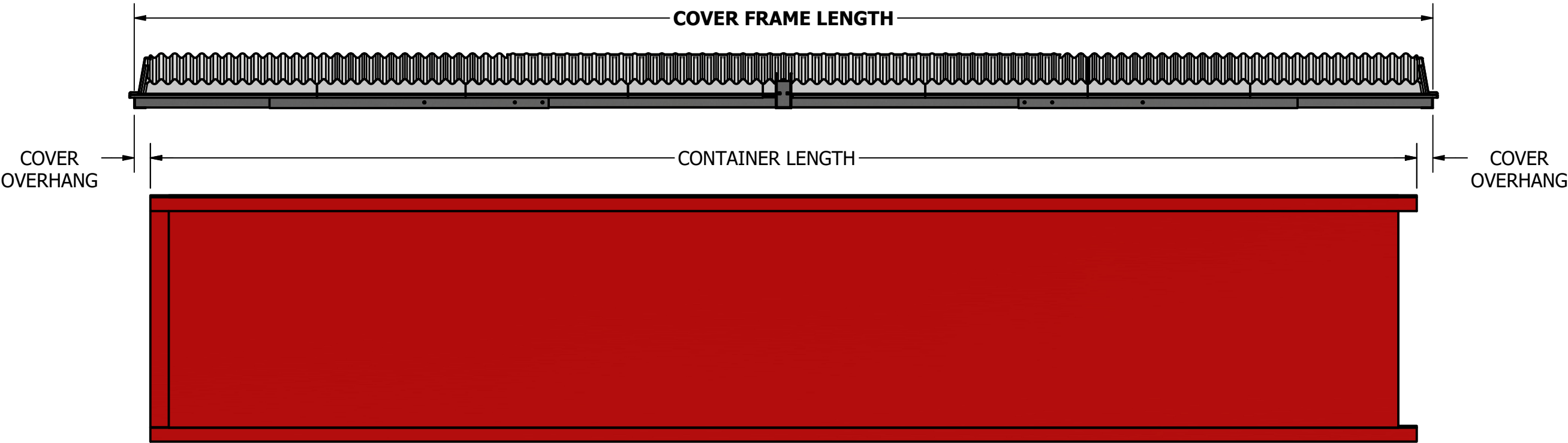
Visit www.rolloffcovers.com for details.



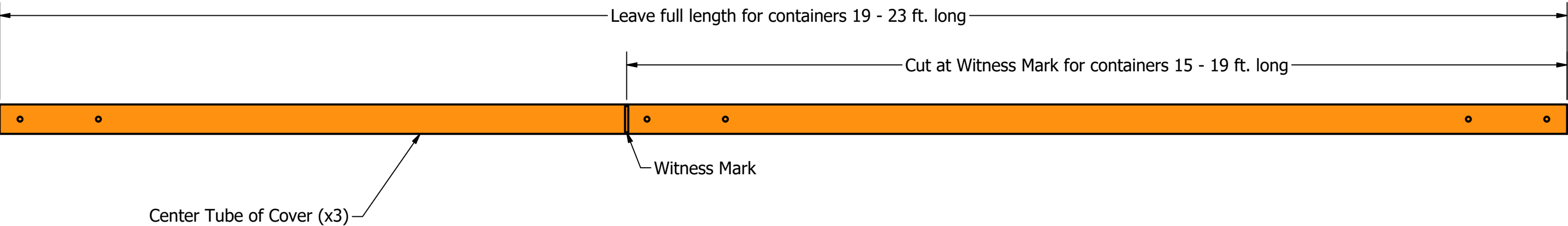
Pre-Assembly: Center Tube Length Adjustment

Measure the length of the container to be covered and add any desired cover overhang of the container (23 ft. max, 15 ft. min). This is your **Cover Frame Length**.

If the **Cover Frame Length** is under 19 feet long, shorten the cover's three Adjustment Tubes (8524) by cutting them at the Witness Mark.

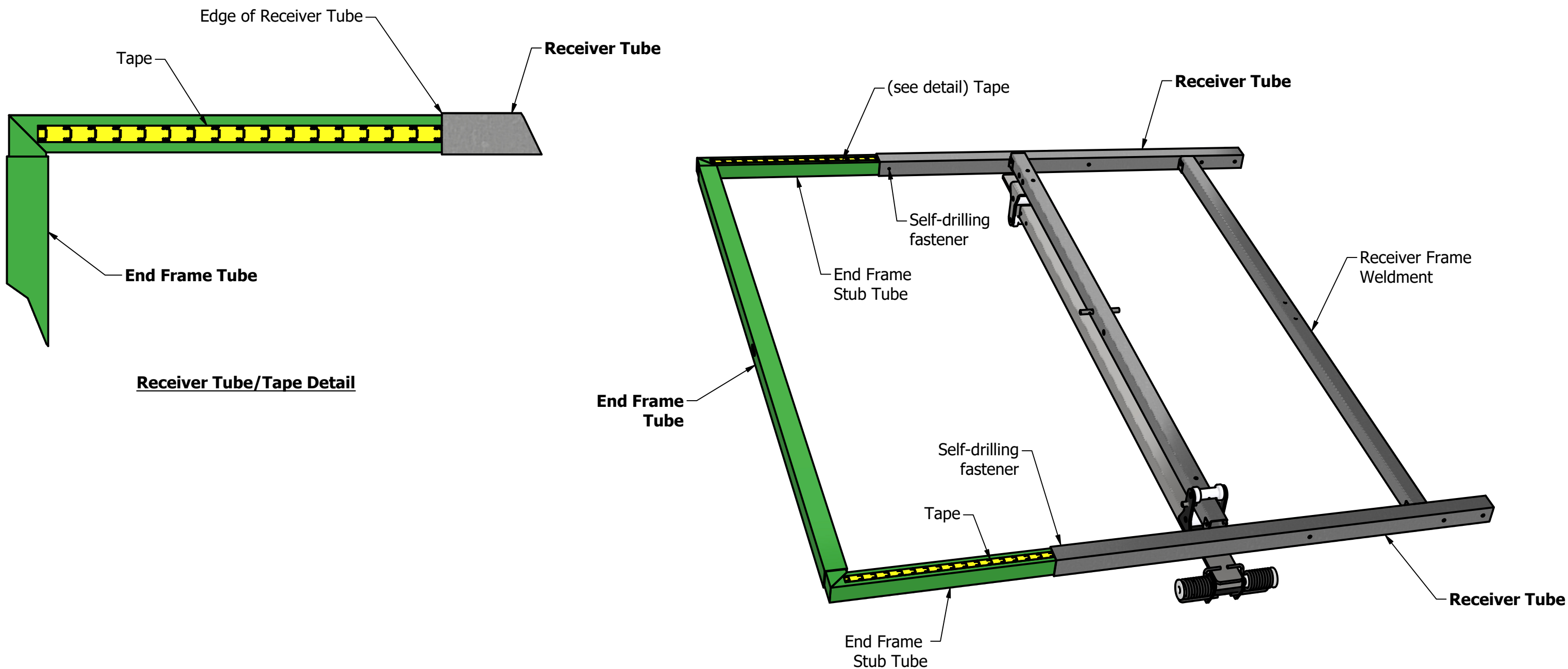


ADJUSTMENT TUBES



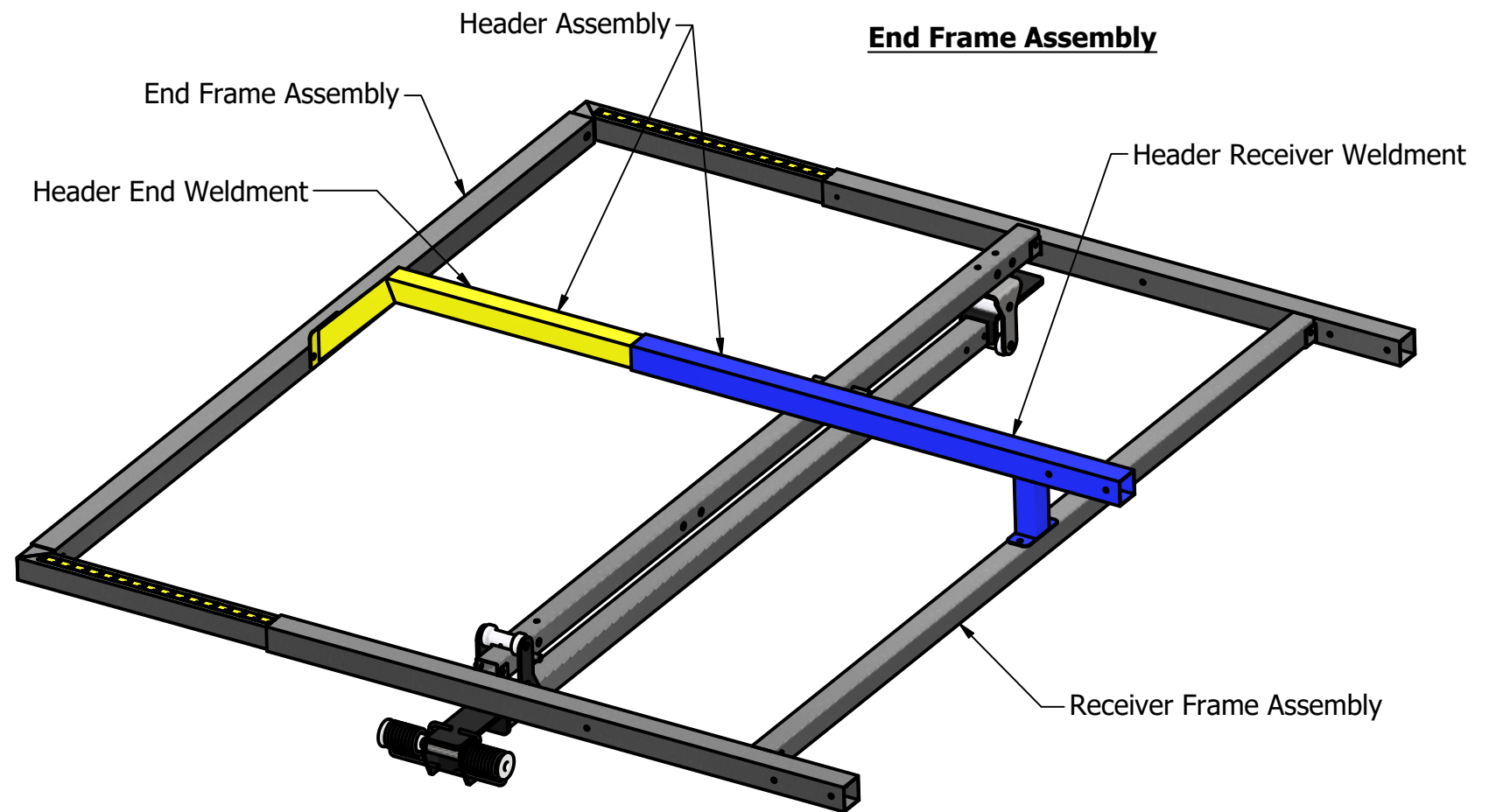
Step 1: End Frame Length Adjustment

Pull out the End Frame Tube until the edge of the Receiver Tube lines up with the length shown on the tape that most closely matches the **Cover Frame Length** of Step 1. If the length falls in between two numbers shown on the tape, use the higher value. Run a self-drilling screw through the Receiver Tube (see drawing for location) and into the End Frame Stub Tube to fix the position of each Stub Tube. Be sure both End Frame Stub Tubes are secured at equal positions. Tighten the fasteners securing the End Frame Tube to the End Frame Stub Tubes (x2).



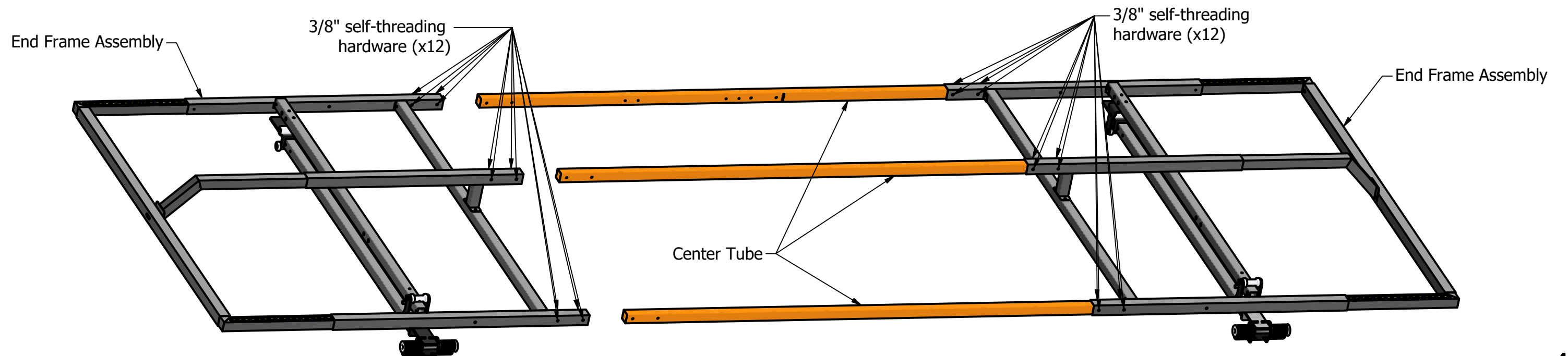
Step 2: Header Installation (x2)

Slide the Header End Weldment into the Header Receiver Weldment to create the Header Assembly. Fasten the Header Assembly to the Receiver Frame Assembly using 3/8" self-threading hardware. Extend the slideable portion of the Header Assembly to meet the End Frame Assembly. Bolt in place. Tighten all hardware.



Step 3: Frame Assembly

Slide the three Center Tubes into the receiver tubes of the End Frame Assemblies. Note that the hole orientation of the Center Tubes coincides with that of the End Frame receiver tubes. Fasten the tubes together using 3/8" self-threading bolts on both sides of tube.

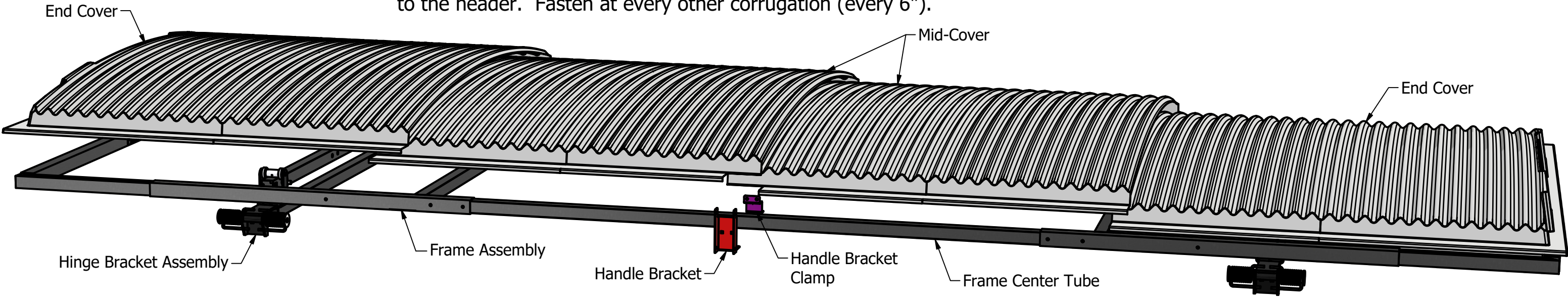


Step 4: Handle Bracket and Cover Installation

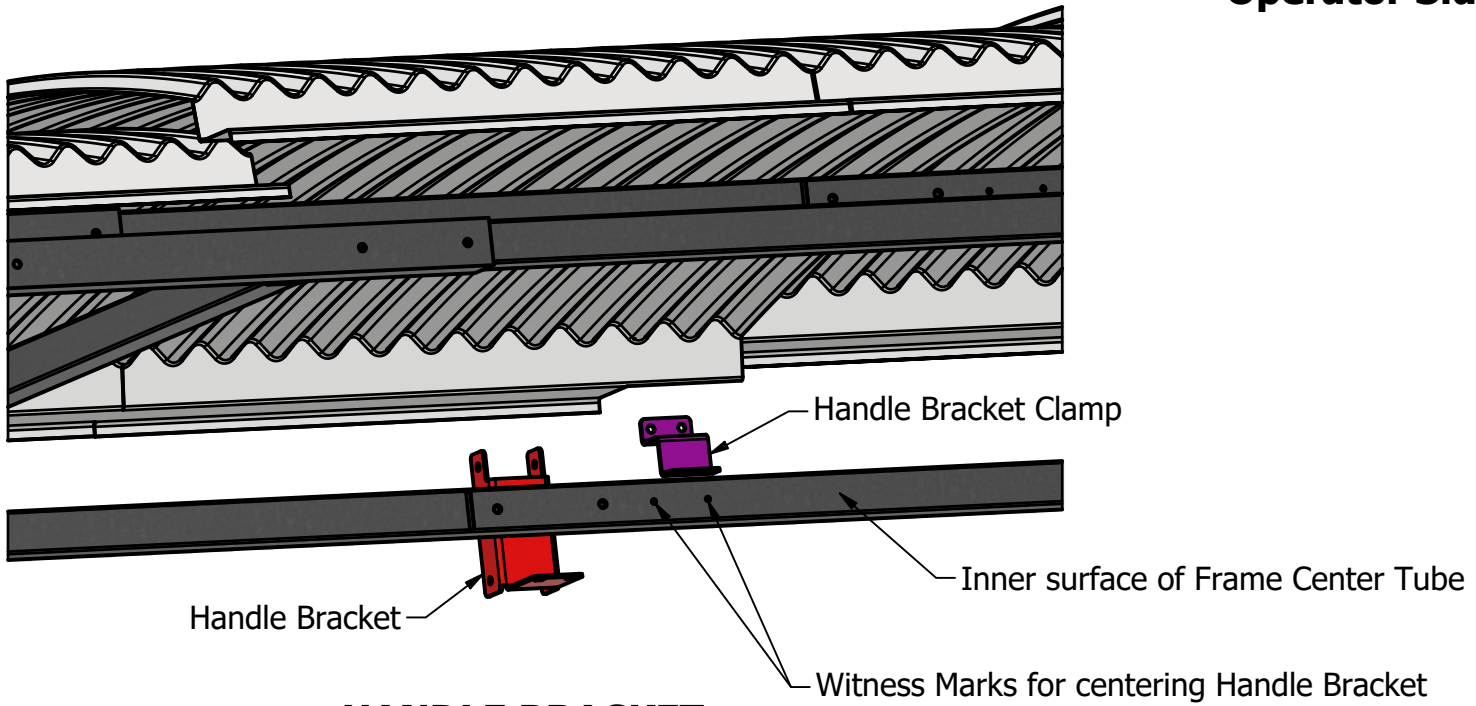
Center the Handle Bracket Clamp between the two witness marks on the inside of the Center Tube of the Frame Assembly. Tighten the Bracket to the Handle Bracket Clamp using four 3/8 x 1" carriage bolts and locknuts.

Position the Mid-Covers so that their pre-cut notch is located on the Handle Bracket. Space the covers to best fit the Frame Assembly with adequate overlap at seams.

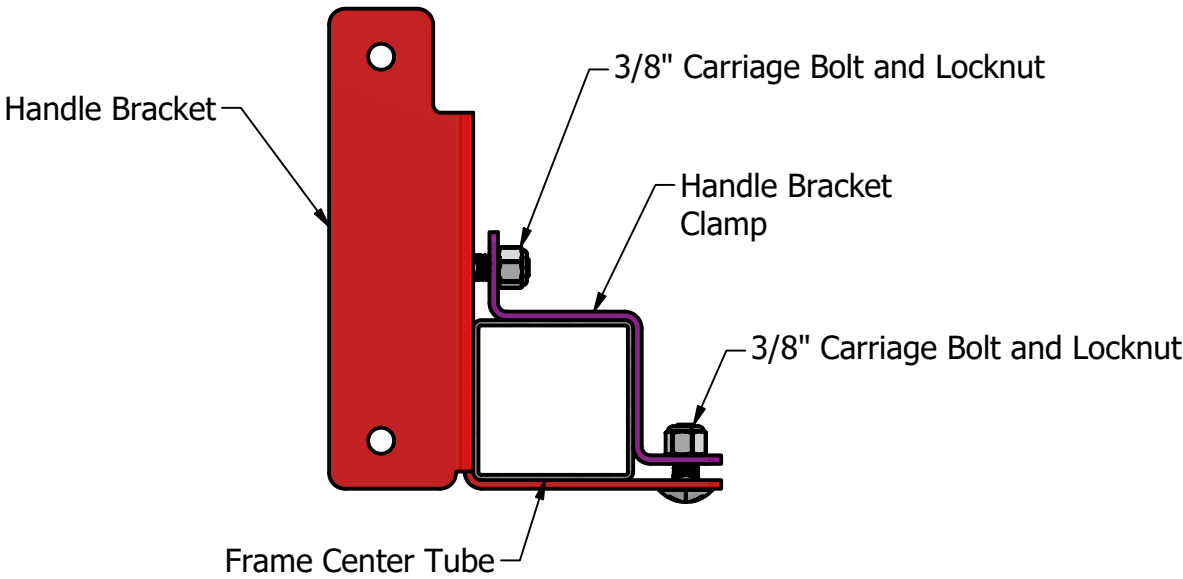
Starting at one end, fasten the Cover to the perimeter of the Frame Assembly using self-drilling screws 6" apart. Use the dimple marks in the center of the plastic to locate the screws for attaching to the header. Fasten at every other corrugation (every 6").



Operator Side

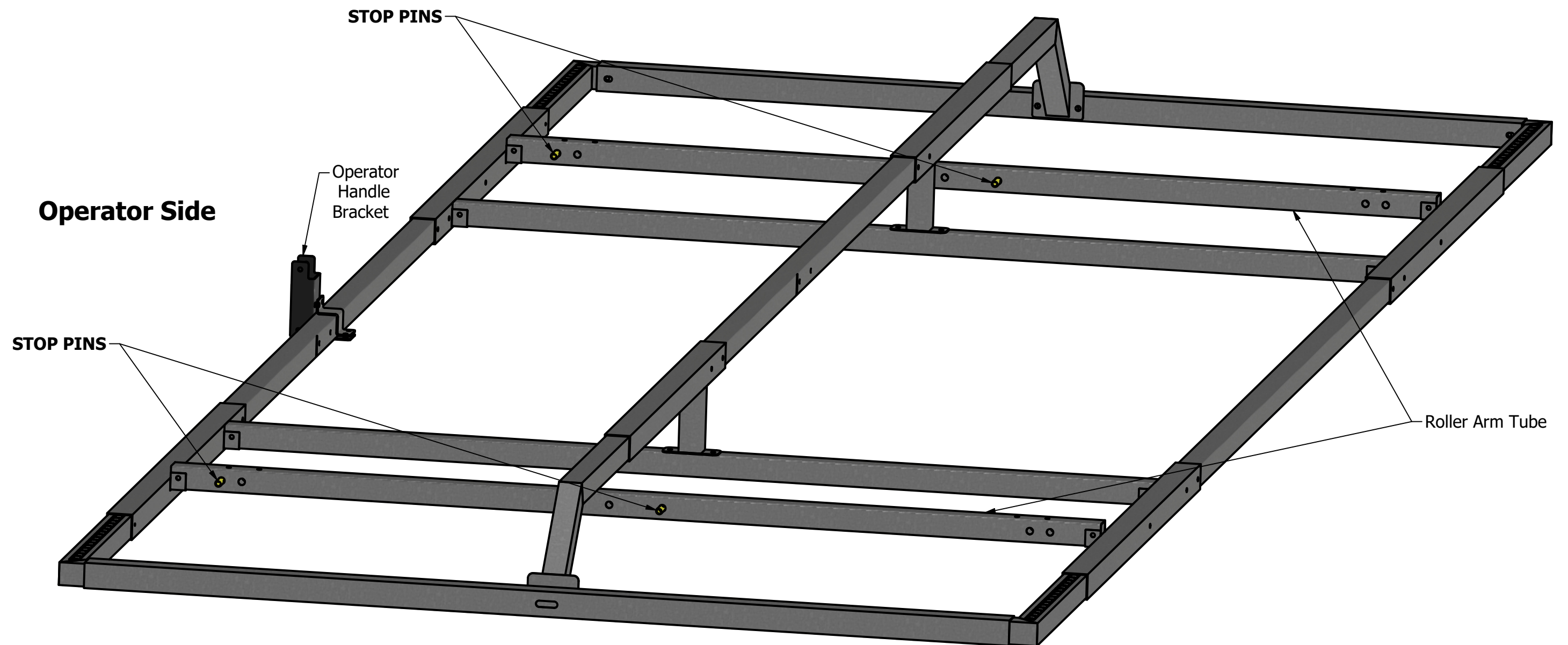


HANDLE BRACKET
INSTALLATION LOCATION



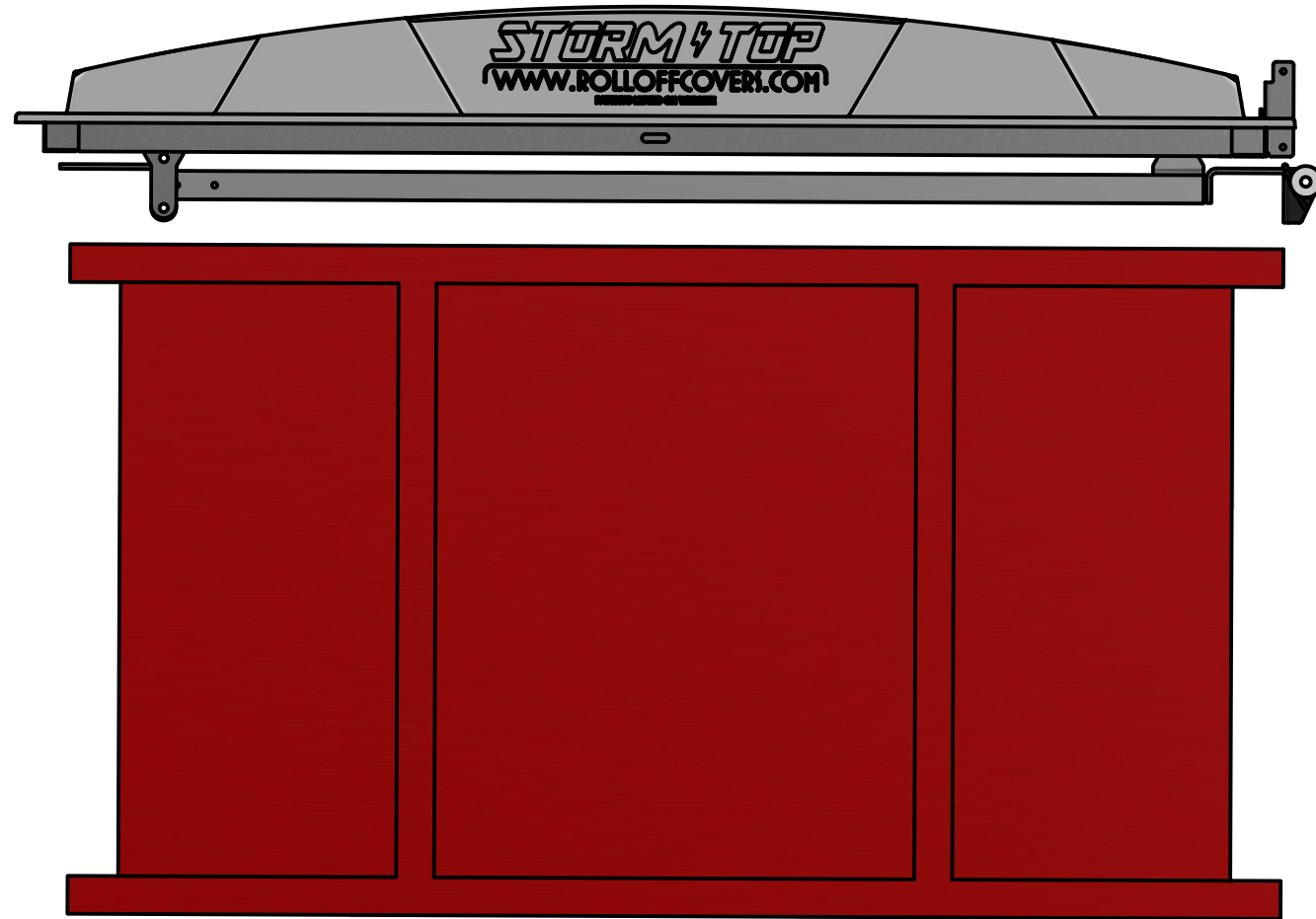
PROFILE VIEW OF
HANDLE BRACKET ASSEMBLY

WARNING!
STOP PINS MUST BE IN PLACE
BEFORE ATTEMPTING TO OPERATE COVER.
DO NOT PROCEED UNTIL PINS ARE IN PLACE!

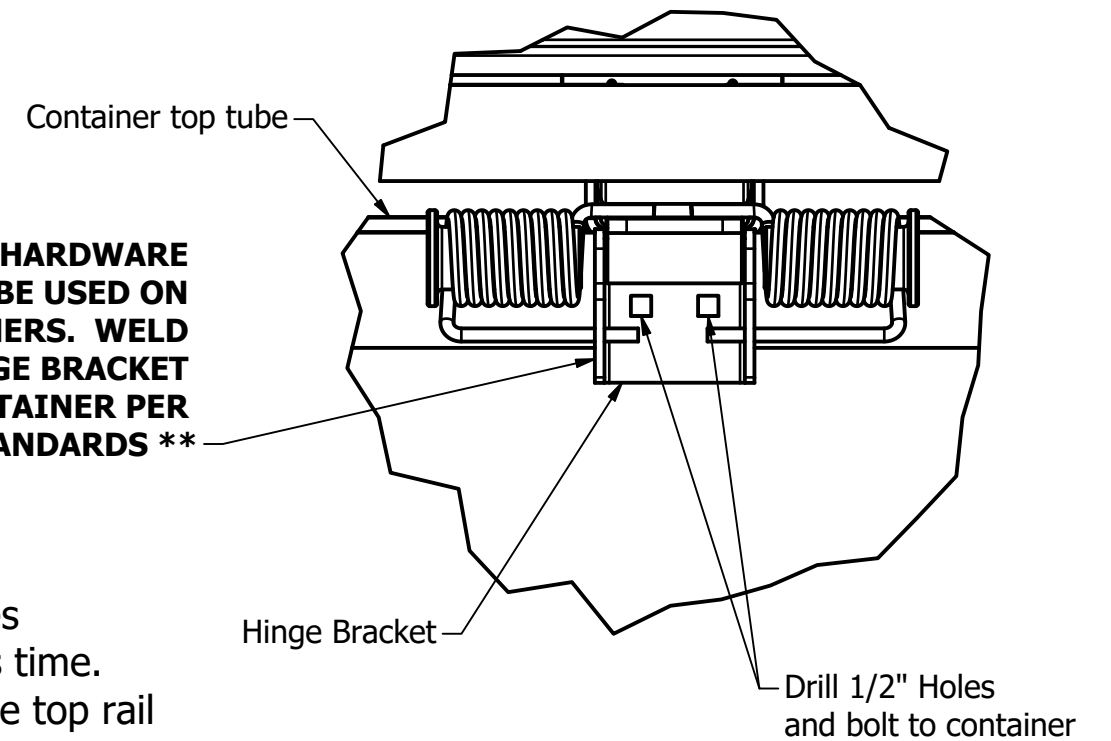


Step 5: Install Cover on Container

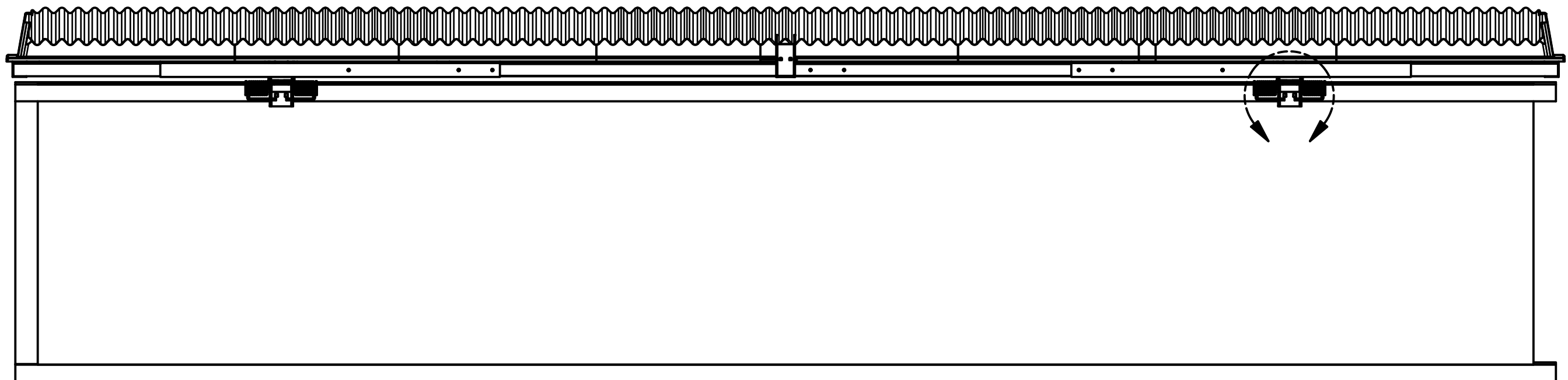
Center the cover over the container and lower into location. Center Cover Assembly on Container, noting direction that is desired to operate vs. direction container gate swings (typically mounted opposite unless unusual circumstance).



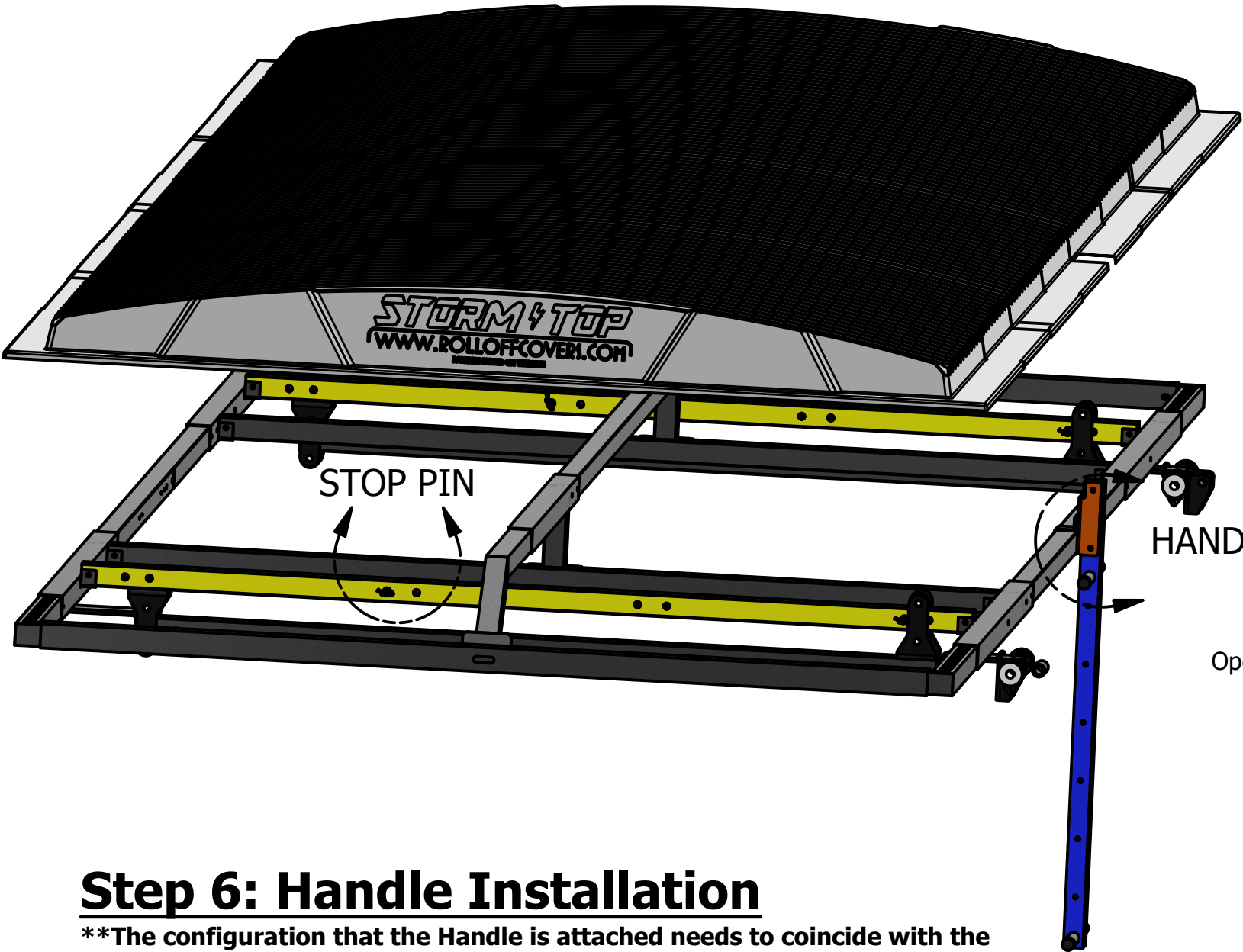
**** SHIMS (PN 8538, IN HARDWARE KIT) MUST BE USED ON TAPERED CONTAINERS. WELD SHIMS TO HINGE BRACKET AND CONTAINER PER AWS D1.1 STANDARDS ****



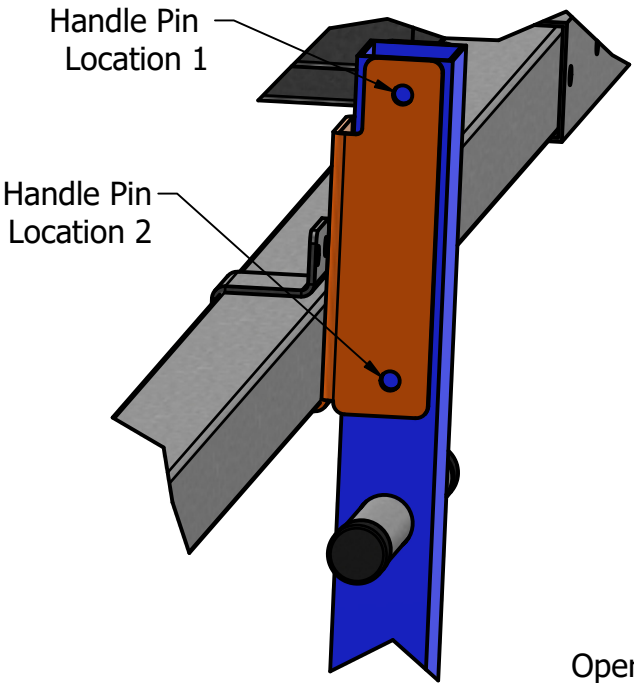
Push the Hinge Brackets tight to the top tube frame of the container. If there are zip ties securing the Cover Frame Assembly to the Arm Assemblies, cut and remove them at this time. Once positioned, using the Hinge Brackets as a template, drill four 1/2" holes through the top rail and bolt the hinge bracket to it using 1/2" hardware.



* PLASTIC COVER SHOWN RAISED FOR CLARITY *



HANDLE BRACKET DETAIL

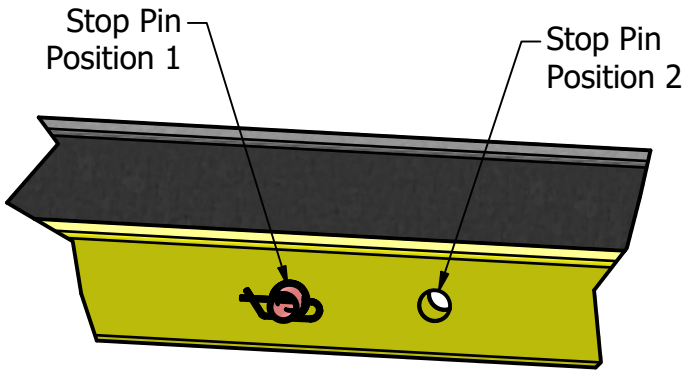


Step 6: Handle Installation

****The configuration that the Handle is attached needs to coincide with the location of the Stop Pins****

Configuration 1: (recommended for taller containers approximately 72" or higher)
Attach the Handle with a single 3/8" Pin Lock through **Location 1** of the Handle Bracket and the first hole location of the Handle Assembly. This will allow the Handle Assembly to pivot as the Cover Assembly is operated.
The Stop Pins (on each arm) need to be located in **Position 1** of the Roller Tube.

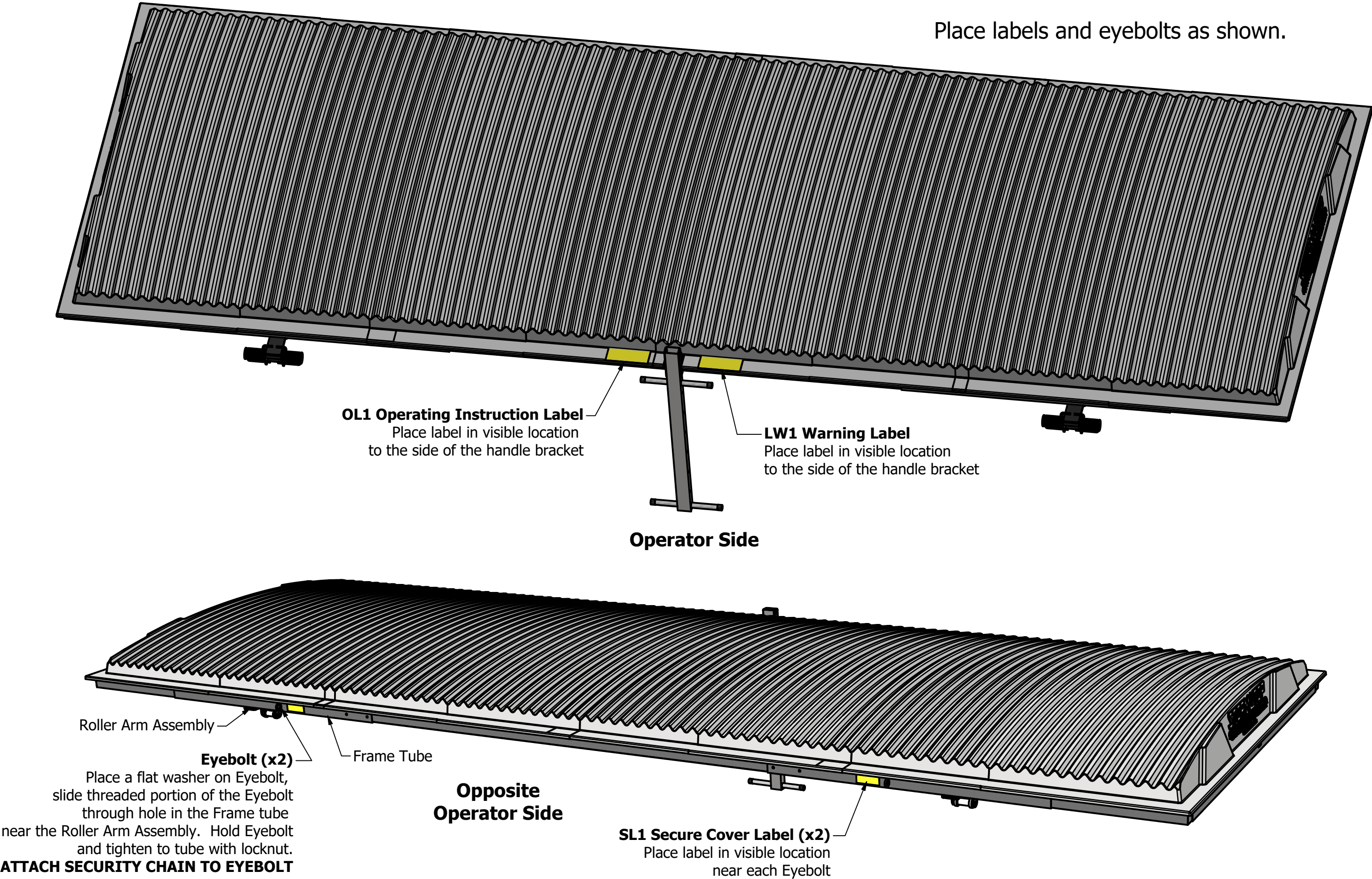
Configuration 2:
At the preference of the operator, the Handle should be attached to the Handle Bracket at a comfortable grab height, typically shoulder level. Attach using both 3/8" Pin Locks in **Location 1 & 2** of the Handle Bracket. The Stop Pins (on each arm) need to be located in **Position 2** of the Roller Tube.



STOP PIN DETAIL

Step 7: Warning Label Installation

Place labels and eyebolts as shown.

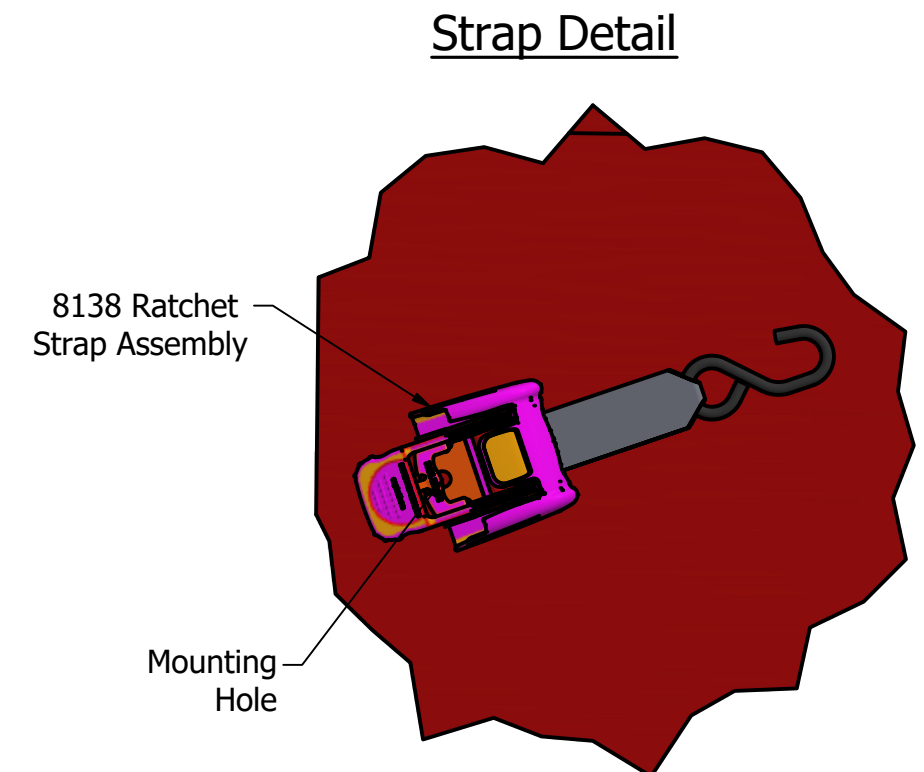
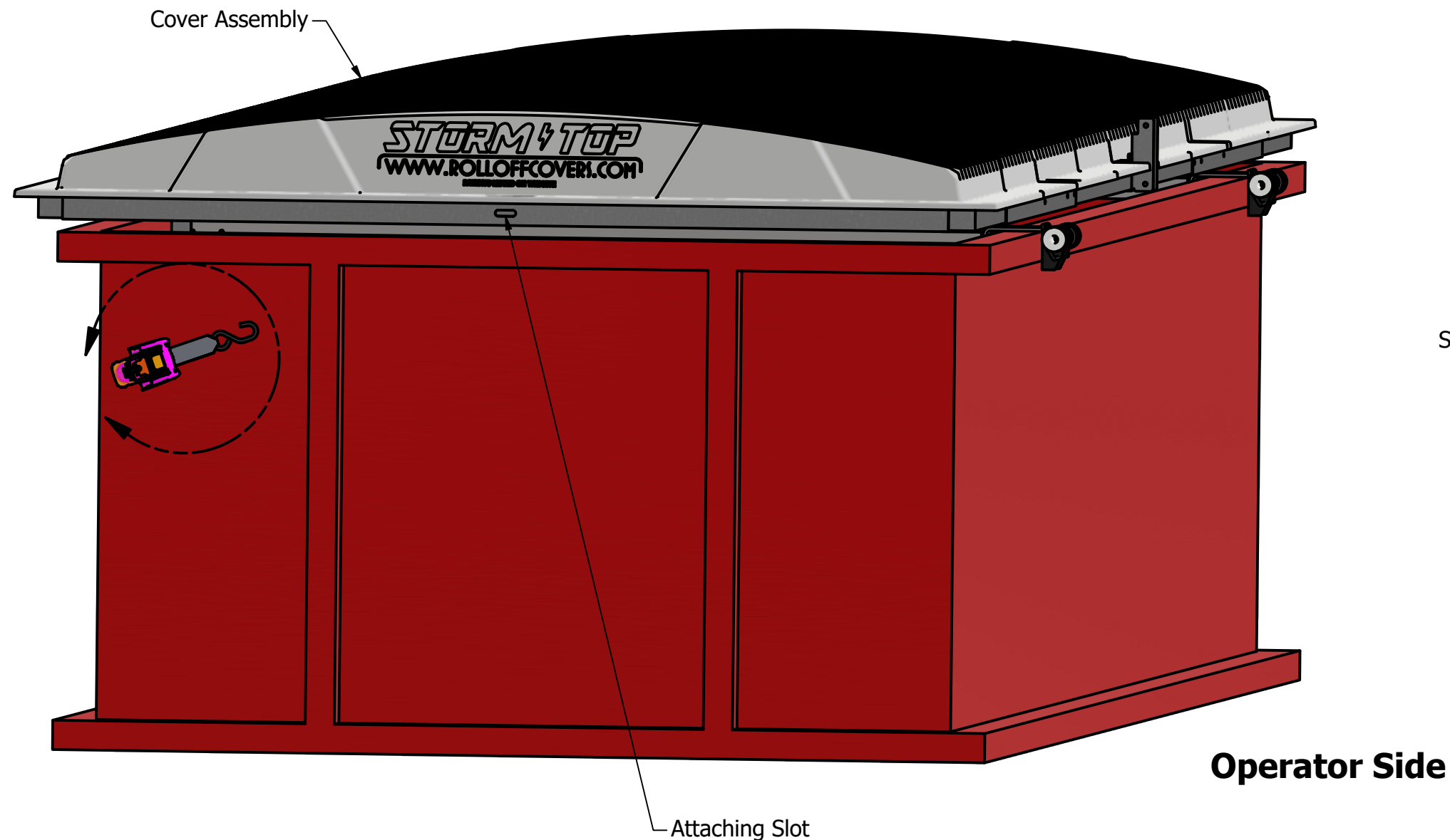


Step 8: Ratchet Strap Installation

Determine locations for the Ratchet Strap Assemblies (8138) on either end of the container, opposite the Operator Side. Select an area that is protected from damage, convenient to operate and will allow the Straps to be hooked to the eyebolts of the Cover Frame without being abraded.

Once positions are established, drill a 3/8" diameter hole in container ends at these locations. Attach the Ratchet Strap Assemblies to the container using 3/8" bolts, flat washers and lock nuts.

Ratchet Strap Assemblies are to aid in securing the Cover Assembly to the Container when not in use and during transport.



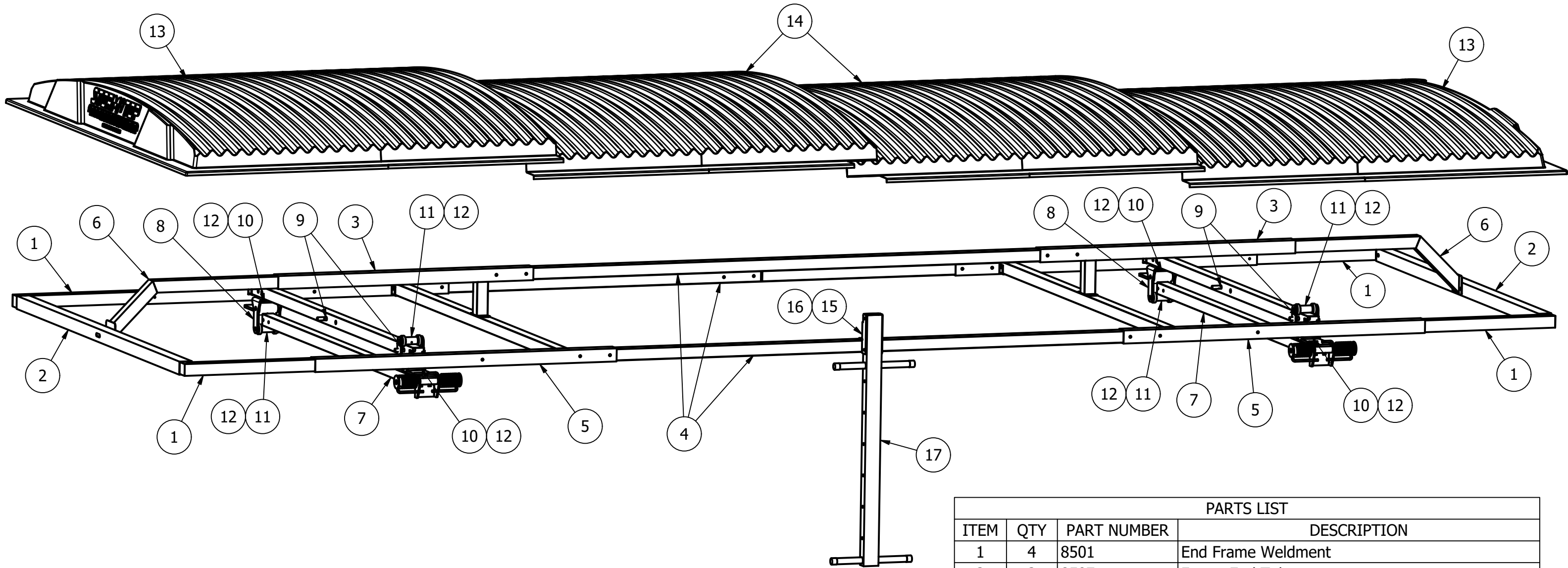


Model ST-8500-S SAFETY CHECKLIST

DO NOT OPERATE STORM-TOP COVER BEFORE REVIEWING

- Make sure all four stop pins are in place in the roller tubes
- Lubricate rollers and see that they spin freely
- Make sure all warning labels are in place
- Make sure all nuts/bolts are tightened and securing pins in place





STORM-TOP STANDARD STEEL FRAMED COVER PART DIAGRAM

***RETAIN FOR ORDERING
REPLACEMENT PARTS*
TBI Waste Products
763-428-2214**

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	8501	End Frame Weldment
2	2	8507	Frame End Tube
3	2	8531	Header Receiver Weldment
4	3	8524	Middle Tube
5	2	8537	Receiver Frame Assembly
6	2	8502	Header Weldment
7	2	8504	Arm Assembly
8	2	8516	Roller Bracket
9	4	8215	Stop Pins
10	4	8517	Spool Roller, 4" solid
11	4	8518	Spool Roller, 4 x 2 1/4"
12	8	8527	Roller Pin, Greasable
13	2	8253	Storm-Top Cover, End
14	2	8254	Storm-Top Cover, Mid
15	1	8525	Handle Bracket
16	1	8526	Handle Bracket Clamp
17	1	8230	Handle Assembly Kit
18	1	8500-HW	Hardware Kit
19	1		Warning Label Kit
20	1		Ratchet Strap Kit