

STORM⚡TOP

MODEL ST-8250-SA

Stand Alone Storm-Top Cover Assembly Instructions

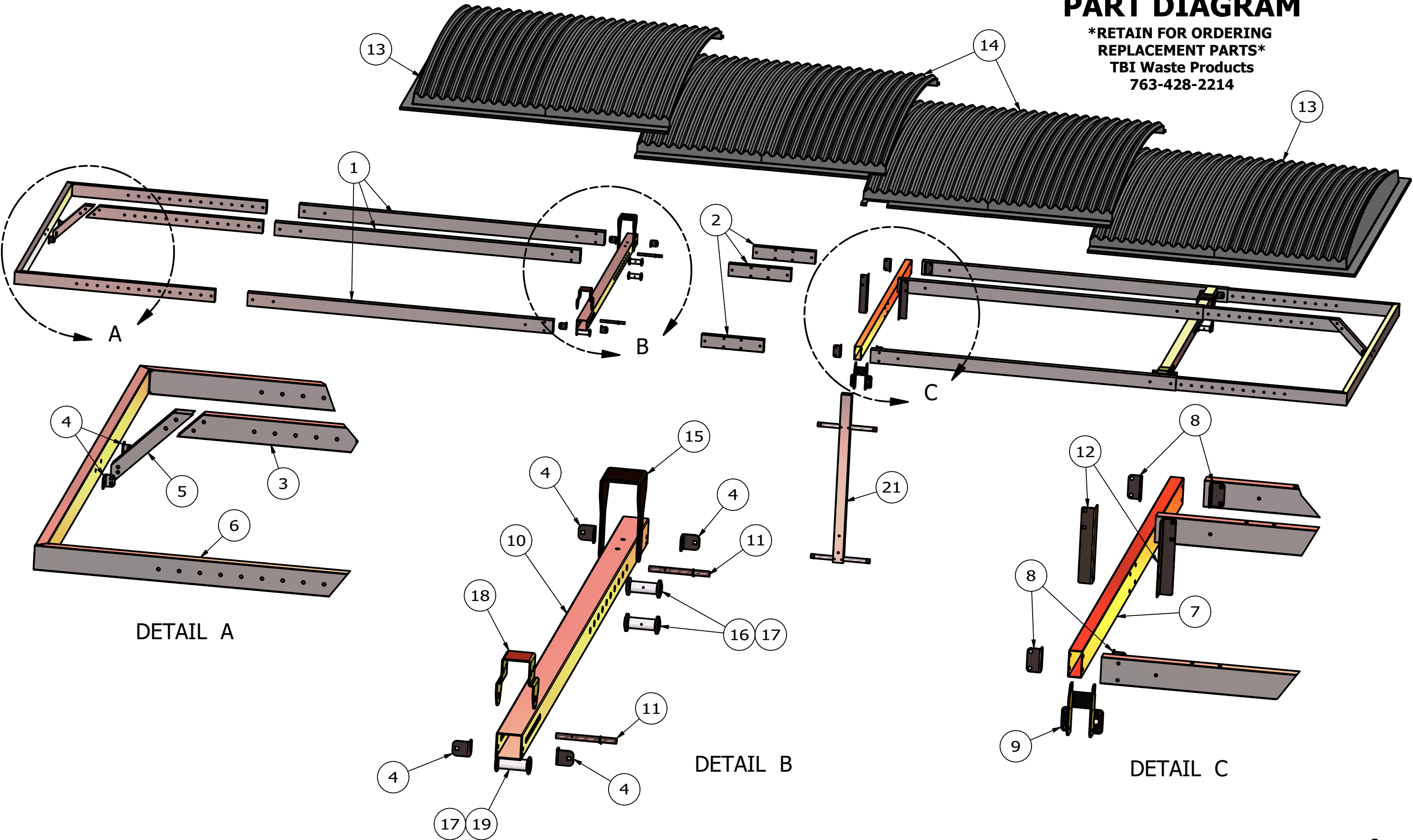
Patent Protected

Visit www.rolloffcovers.com for details.



**STORM-TOP
STAND-ALONE COVER
PART DIAGRAM**

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



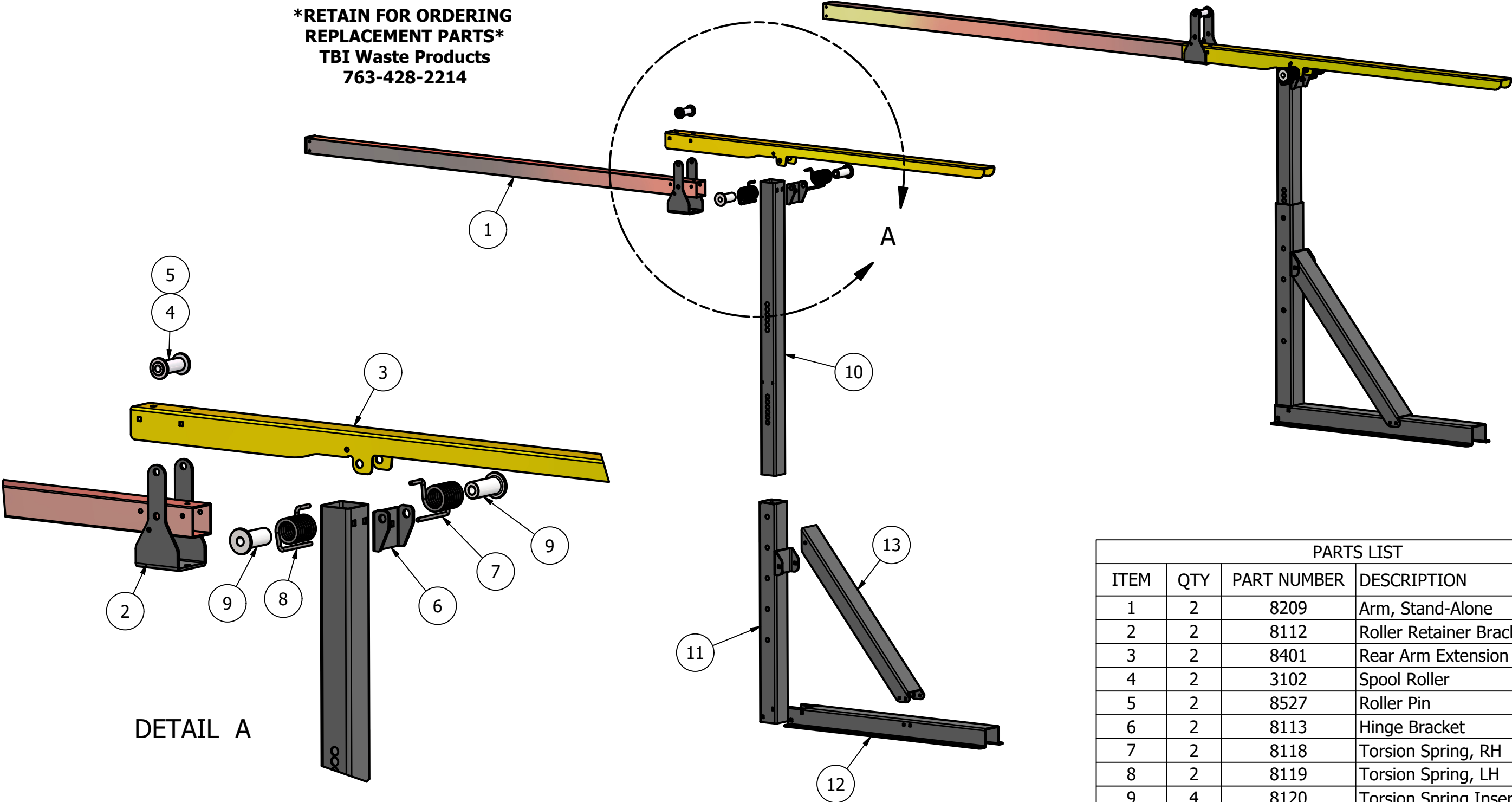
STORM-TOP COVER STAND-ALONE PART DIAGRAM

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

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	8201	Center Tube
2	3	8202	Stub Tube
3	2	8204	Header End Tube
4	12	8207	Angle Bracket
5	2	8210	Header End Support
6	2	8203	End Tube
7	1	8214	Center X-Tube
8	4	8251	Angle Bracket
9	1	8102	Handle Bracket
10	2	8205	Roller Tube
11	4	8215	Stop Pin
12	2	8211	Middle Header Support
13	2	8253	Cover, End
14	2	8254	Cover, Middle
15	2	8112	Roller Retainer Bracket
16	4	3102	Spool Roller
17	6	8527	Roller Pin
18	2	8402	Roller Bracket
19	2	8403	Spool Roller, Long
20			
21	1	8230	Handle Assembly
22	1		Label Kit
23	1		Hardware Kit

STORM-TOP STAND-ALONE COVER PART DIAGRAM

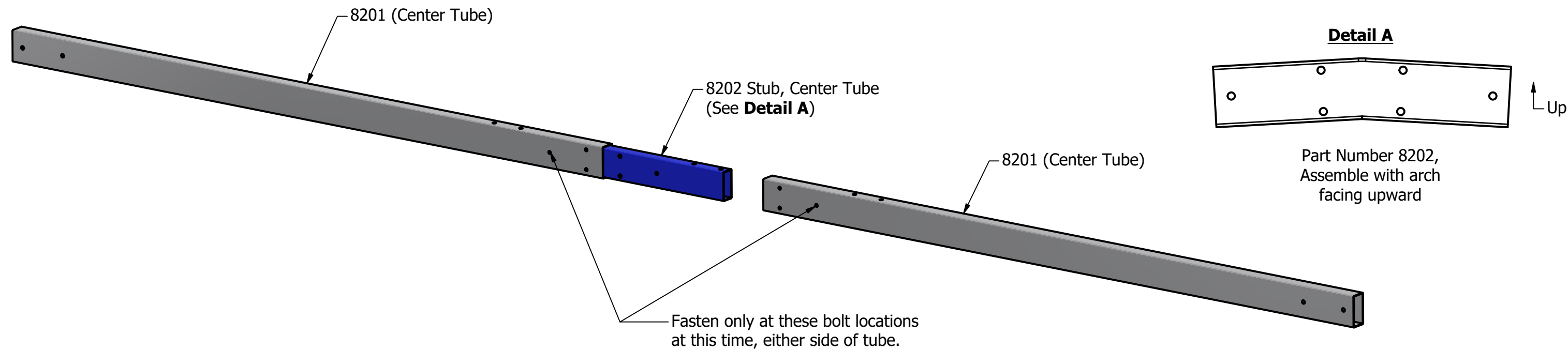
***RETAIN FOR ORDERING
REPLACEMENT PARTS***
TBI Waste Products
763-428-2214



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	8209	Arm, Stand-Alone
2	2	8112	Roller Retainer Bracket
3	2	8401	Rear Arm Extension
4	2	3102	Spool Roller
5	2	8527	Roller Pin
6	2	8113	Hinge Bracket
7	2	8118	Torsion Spring, RH
8	2	8119	Torsion Spring, LH
9	4	8120	Torsion Spring Insert Bushing
10	2	3044	Stand, Upper Vertical Tube
11	2	3053	Leg Assembly
12	2	3042	Leg Base Channel
13	2	3045	Leg Support Channel
14	2	8125	Torsion Spring Link

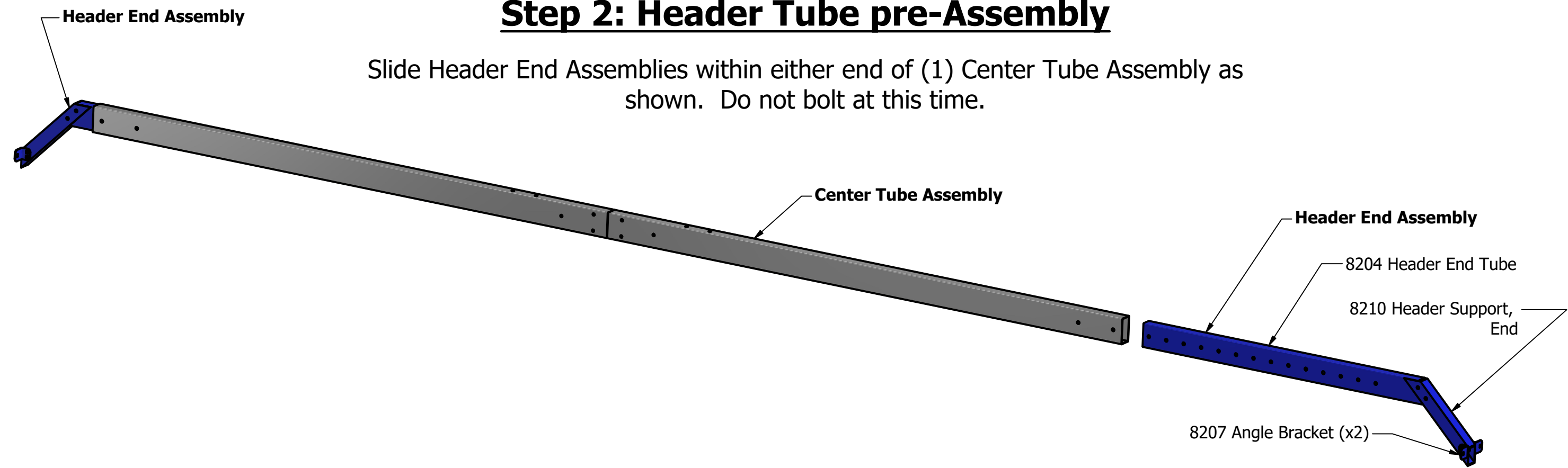
Step 1: Center Tube Assembly (x3)

Lie components on a flat surface. Assemble Center Tubes (8201) to the Stub Connector (8202) using (4) 3/8 x 1" bolts at the locations shown.



Step 2: Header Tube pre-Assembly

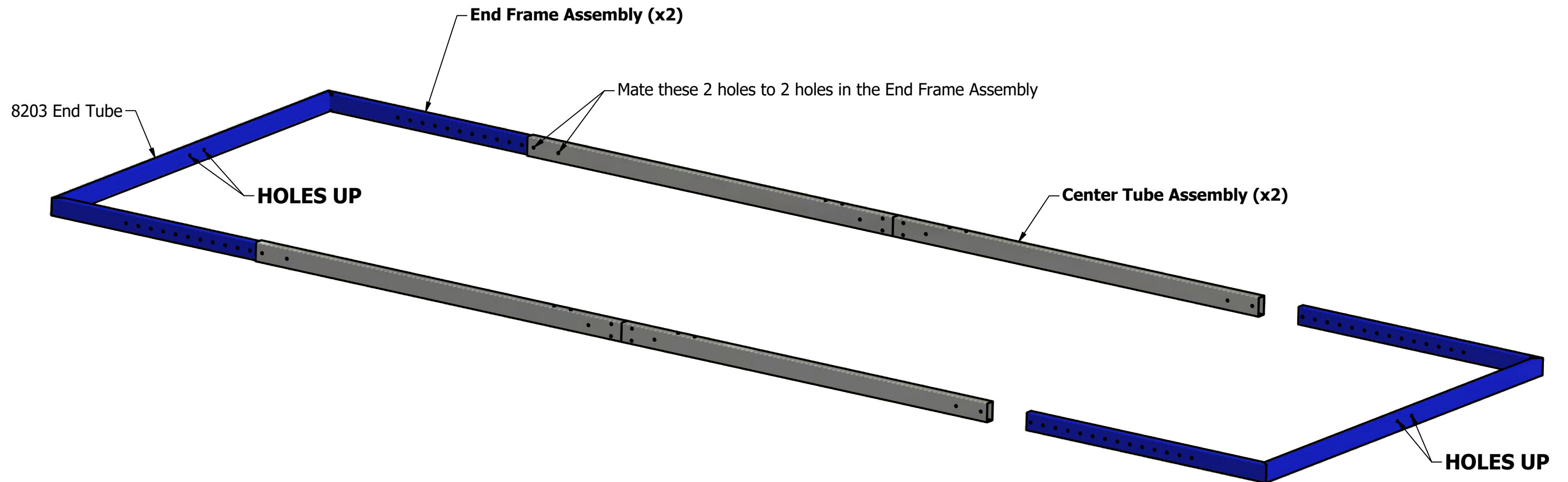
Slide Header End Assemblies within either end of (1) Center Tube Assembly as shown. Do not bolt at this time.



Step 3: Cover Frame Assembly

Measure outside length of the container on which the cover is to be installed. You will want the Cover Frame to be at least this length or longer.

Equally install the End Frame Assemblies into the Center Tube Assemblies as shown. It is acceptable to have one End Frame Assembly extending 3" more than the other in order to reach the length desired. When properly adjusted, the 2 holes at either end of each Center Tube Assembly will closely align with 2 holes of the End Frame Assemblies. Do not bolt at this time.



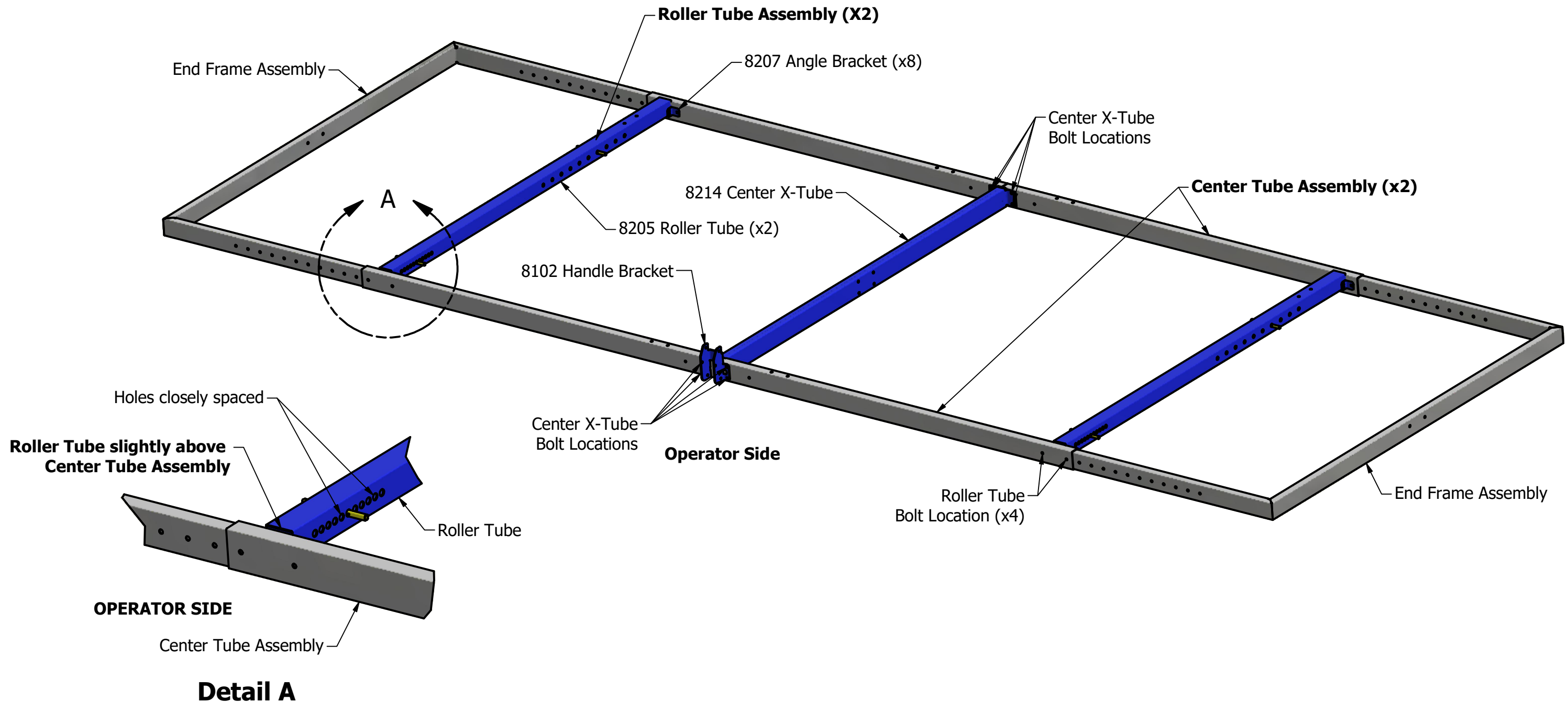
Step 4: Roller and Center Tube Installation

Upon a flat surface with frame adjusted per previous step, bolt the Roller Tubes (8205) with Angle Brackets (8207) to the ends of the Center Tube Assemblies as shown. ***Note orientation (see detail A)*** Use (4) 3/8 x 3" bolts and flange nuts per Roller Tube Assembly, flange nuts to the inside of the frame assembly.

Install Center X-Tube (8214) and Handle Bracket (8102) to the center of the (2) Center Tube Assemblies using (8) 3/8 x 3" bolts and flangenuts, flangenuts to the inside of the frame.

Note: Handle Bracket must coincide with Roller Tube Assembly orientation

See below for bolt locations. Tighten all fasteners.



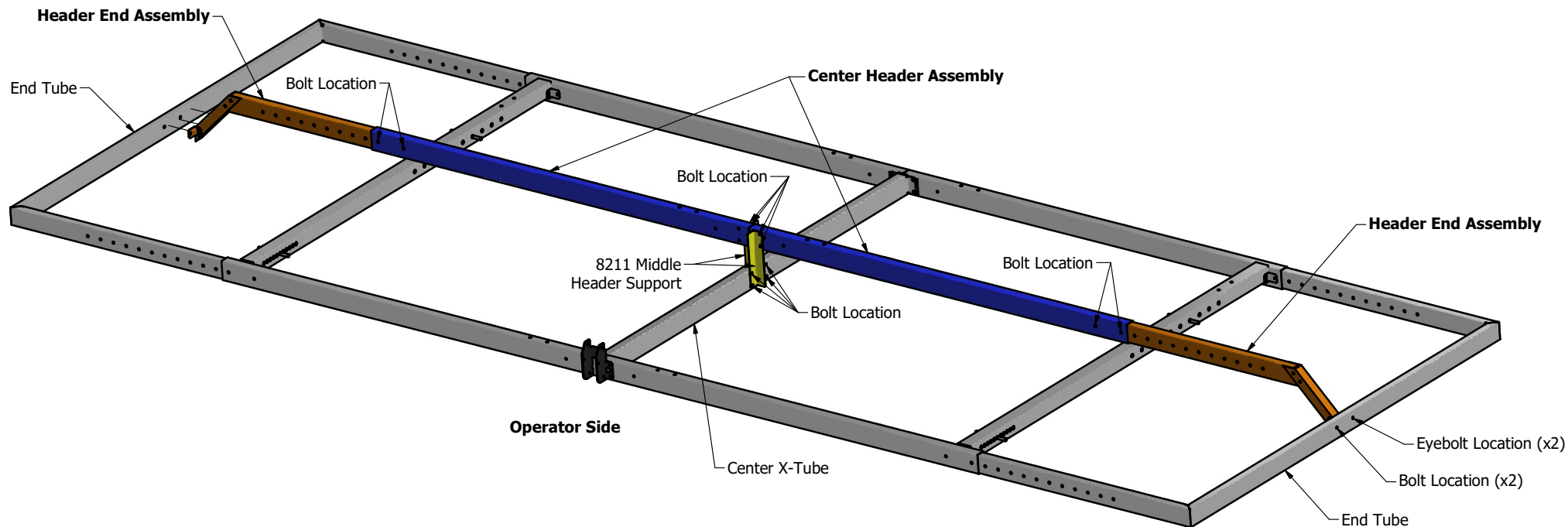
Step 5: Header Assembly Installation

Slide the Header End Assemblies out from the Center Header Assembly until they meet the End Tubes. Bolt Header End Assemblies to End Tubes using (2) 3/8 x 3" bolts and flange nuts, and (2) 3/8" eyebolts and flange nuts to the inside of frame as shown below.

Attach one end of the Middle Header Supports (8211) to the Center X-Tube with (4) 3/8 x 3" bolts and flangenuts. Attach upper end of Middle Header Supports to the Header Tube Assembly using (4) 3/8 x 3" bolts.

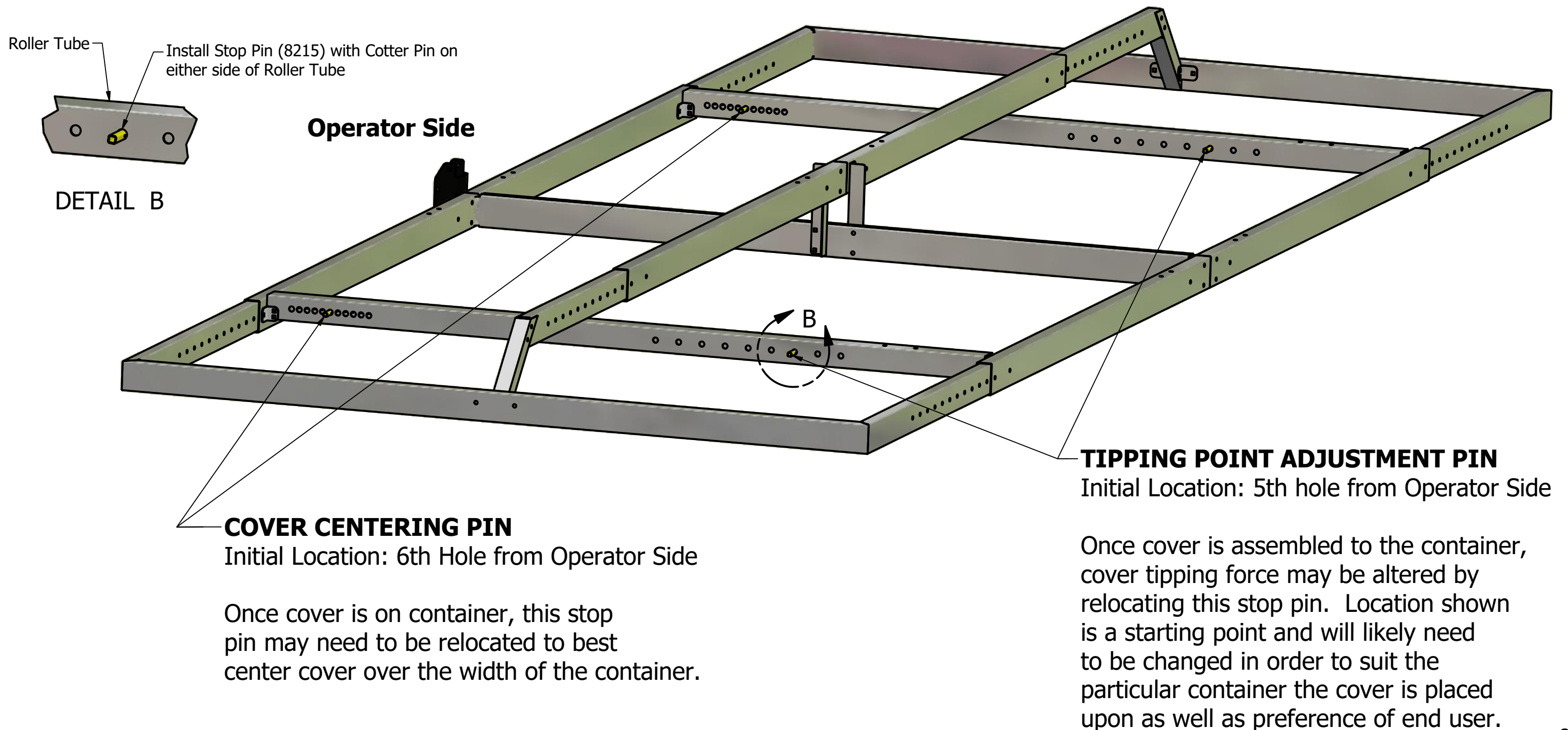
Bolt Header End Assemblies to Center Header Assembly with (4) 3/8 x 3" bolts and flangenuts.

See below for bolt locations. Tighten all fasteners. **Center Header Assembly bolts must be completely tightened to prevent sag at seam.**



Step 6: Stop Pin Placement

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



Step 7: Plastic Cover Assembly

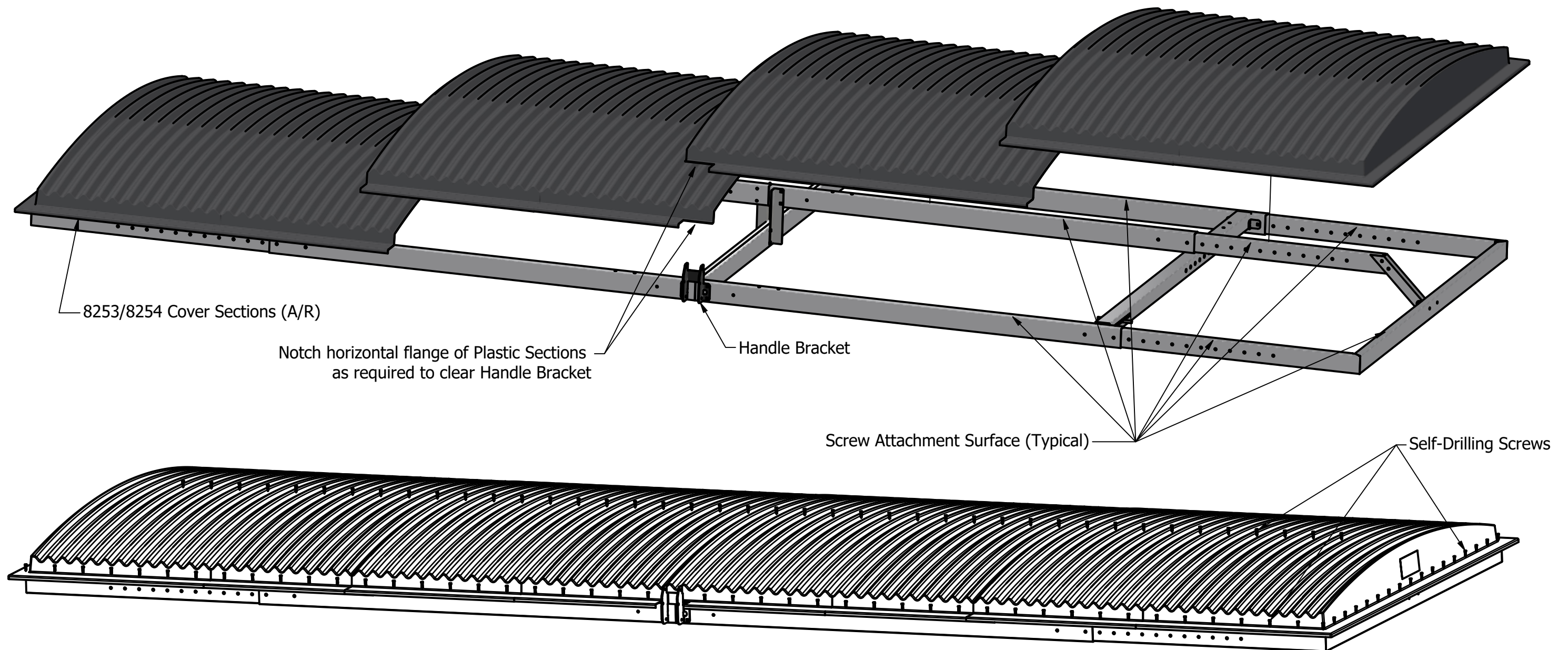
Position the Plastic Sections (8253/8254) over the frame (total number of pieces may be less than shown for shorter covers).

***NOTE* THE WIDER END OF EACH SECTION WILL FIT OVER TOP OF THE NARROWER END OF THE NEXT PIECE.**
Due to the variations in the plastic molding process, if an interference should occur, place piece to the underside.

Space sections evenly end-to-end and also side-to-side. Notch the plastic to clear the Handle Bracket.

Using the self-drilling screws provided, secure the sections to the top perimeter of the tube frame assembly.
Space screws 6" apart. Add more where required.

Lastly, secure the plastic sections to the header assembly of the frame (every other corrugation at dimples, 6" screw spacing).

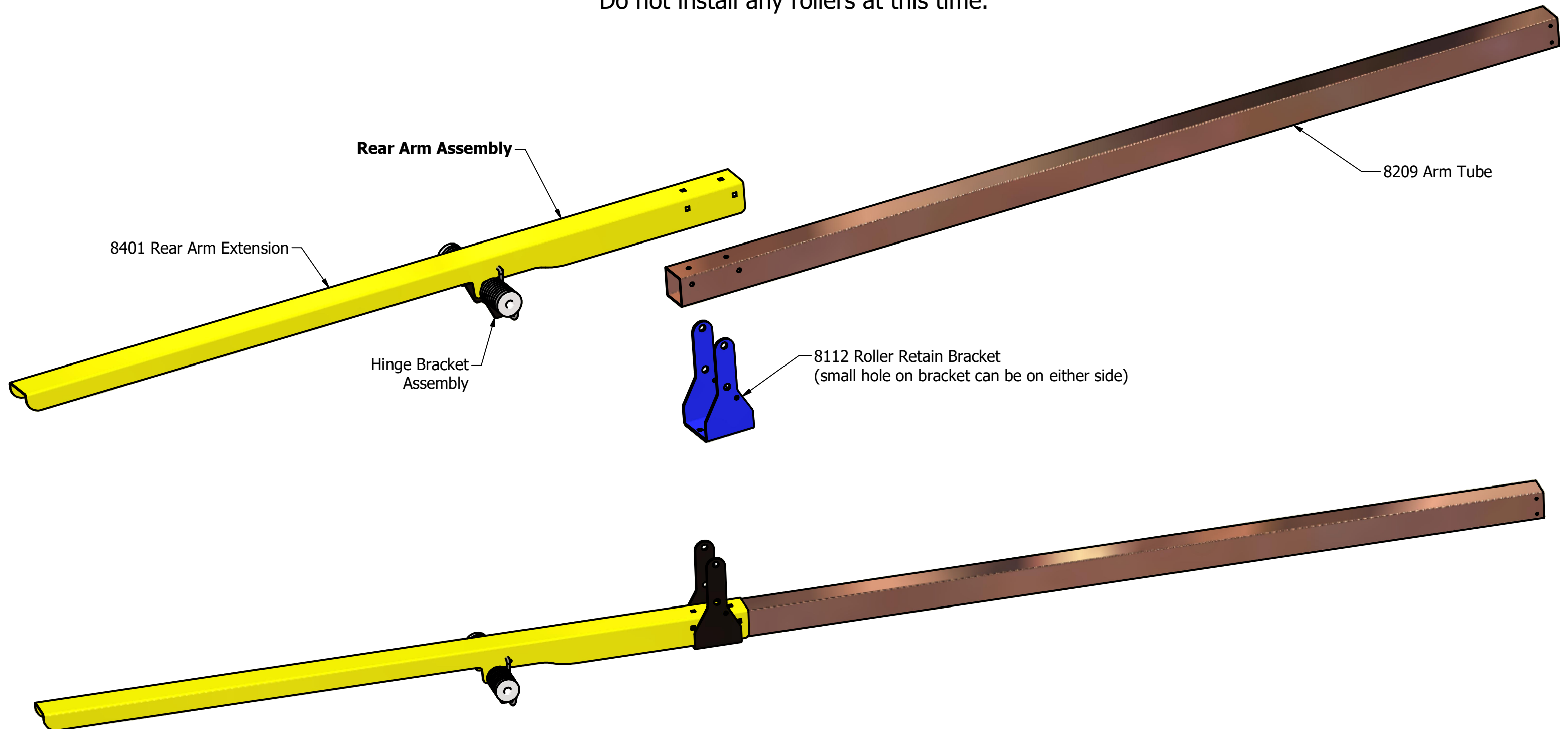


Step 8: Arm Assembly (x2)

Using (2) 3/8 x 4" Carriage Bolts and Flange Nuts, assemble the Rear Arm Assembly to the Arm Tube (8209).

Using (2) 3/8 x 4" Carriage Bolts and Flange Nuts, assemble the Roller Retainer Bracket (8112) to the Arm Tube (8209).

Do not install any rollers at this time.



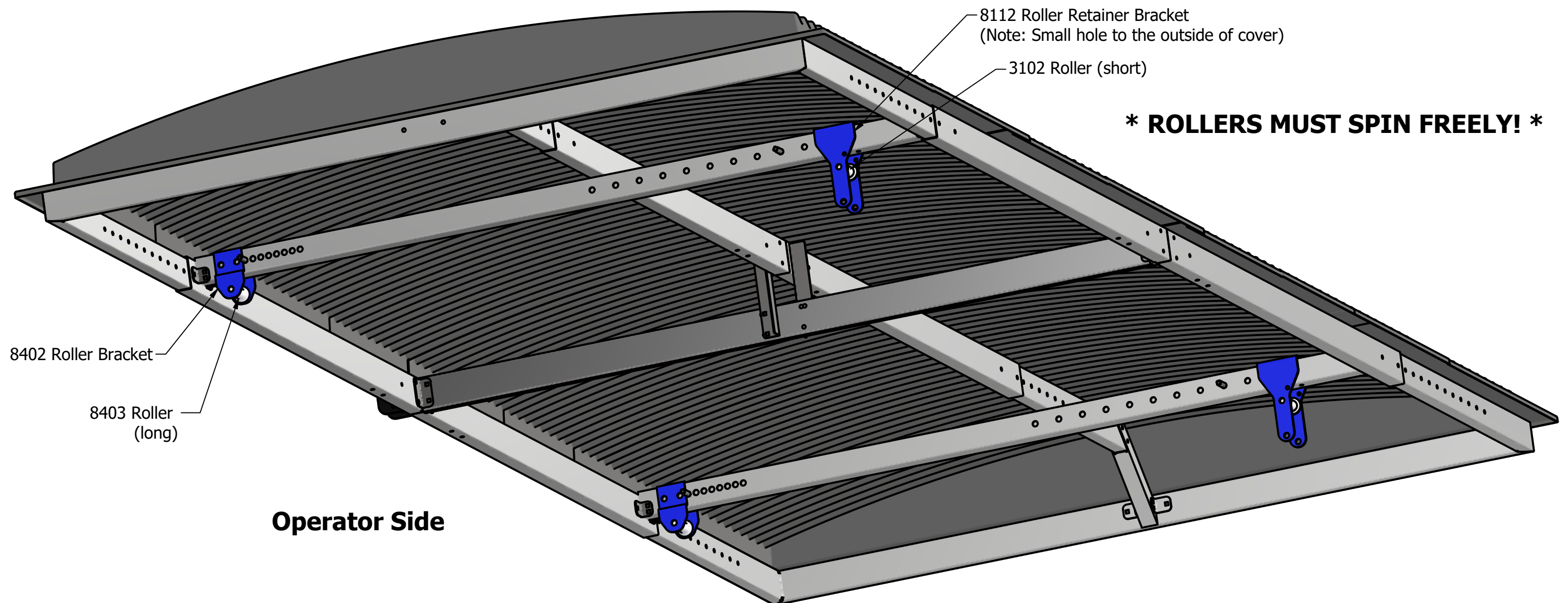
Step 9: Roller Retainer Bracket Installation (x2)

Securely elevate the cover and attach Roller Retainer Bracket 8112 to the Roller Tube as shown using (2) 3/8 x 4" carriage bolts and flange nuts.

Pin Roller 3102 (shorter roller) into the upper hole of the Roller Retainer Bracket using a 5/8" pin (8527) and retainer clips.
Do not install a roller into the lower hole at this time.

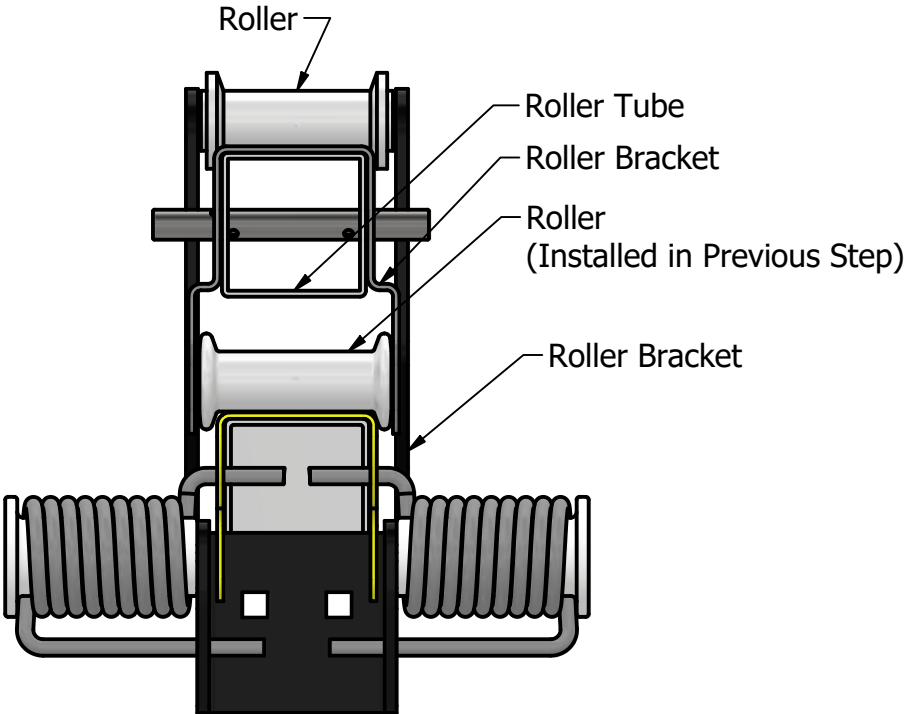
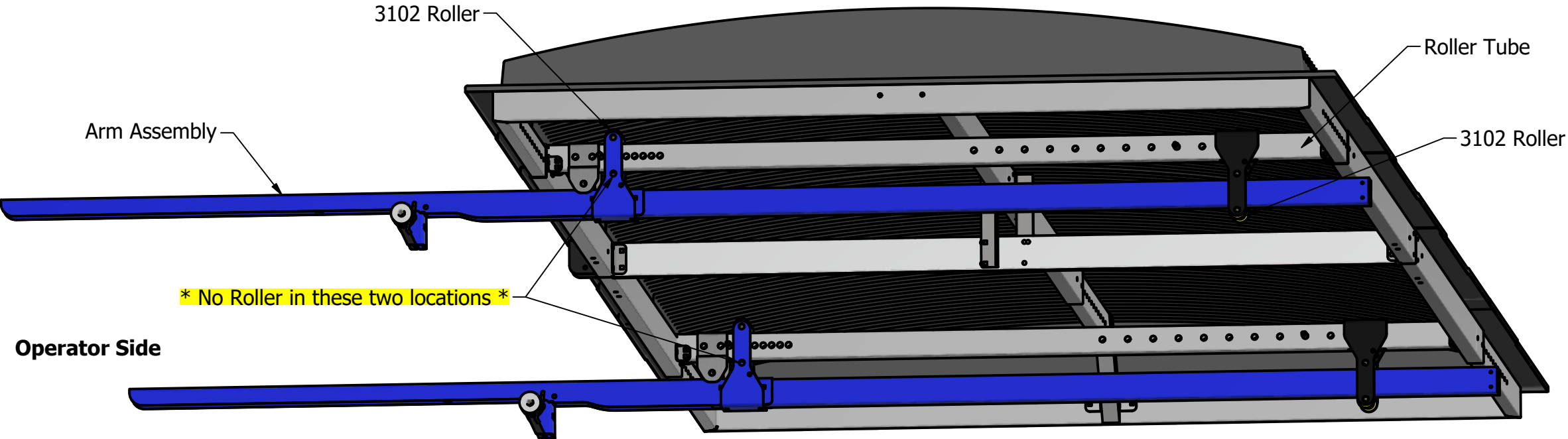
Attach Roller Bracket 8402 to the rear-most holes of the Roller Tube with (2) 5/8 x 4" hex bolts and flange nuts.

Pin Roller 8403 (longer roller) into Rear Roller Bracket (8402) using a 5/8" pin (8527) and retainer clips.



Step 10: Arm Assembly Installation (x2)

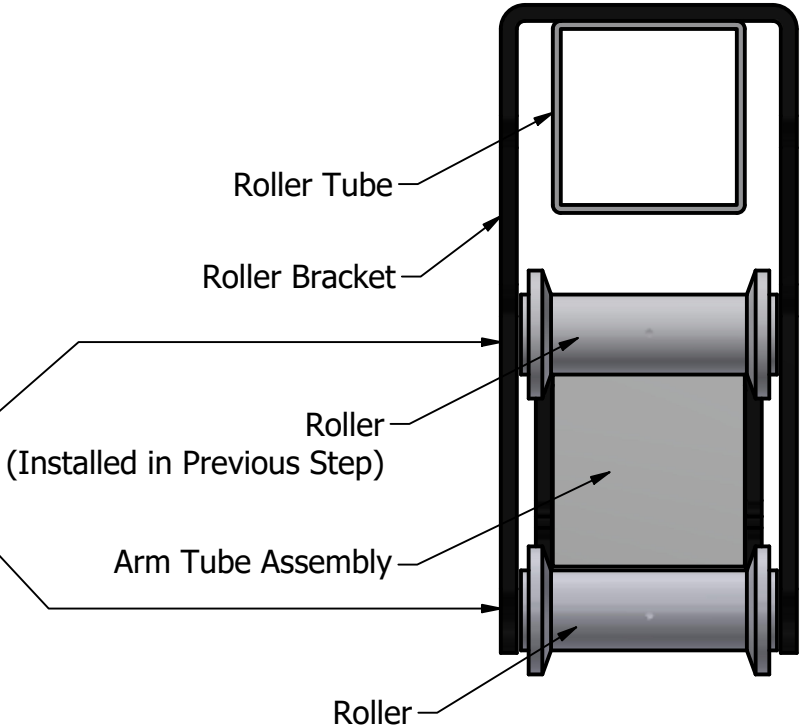
Lift the Arm Assembly to the Roller Tube until the Rollers previously installed are in contact with the Tube.
Secure Arm Assembly into place with (2) Rollers (3102), 5/8" pins (8527) and retaining clips.



End View
Rear Roller
Bracket

*** ROLLERS MUST SPIN FREELY! ***

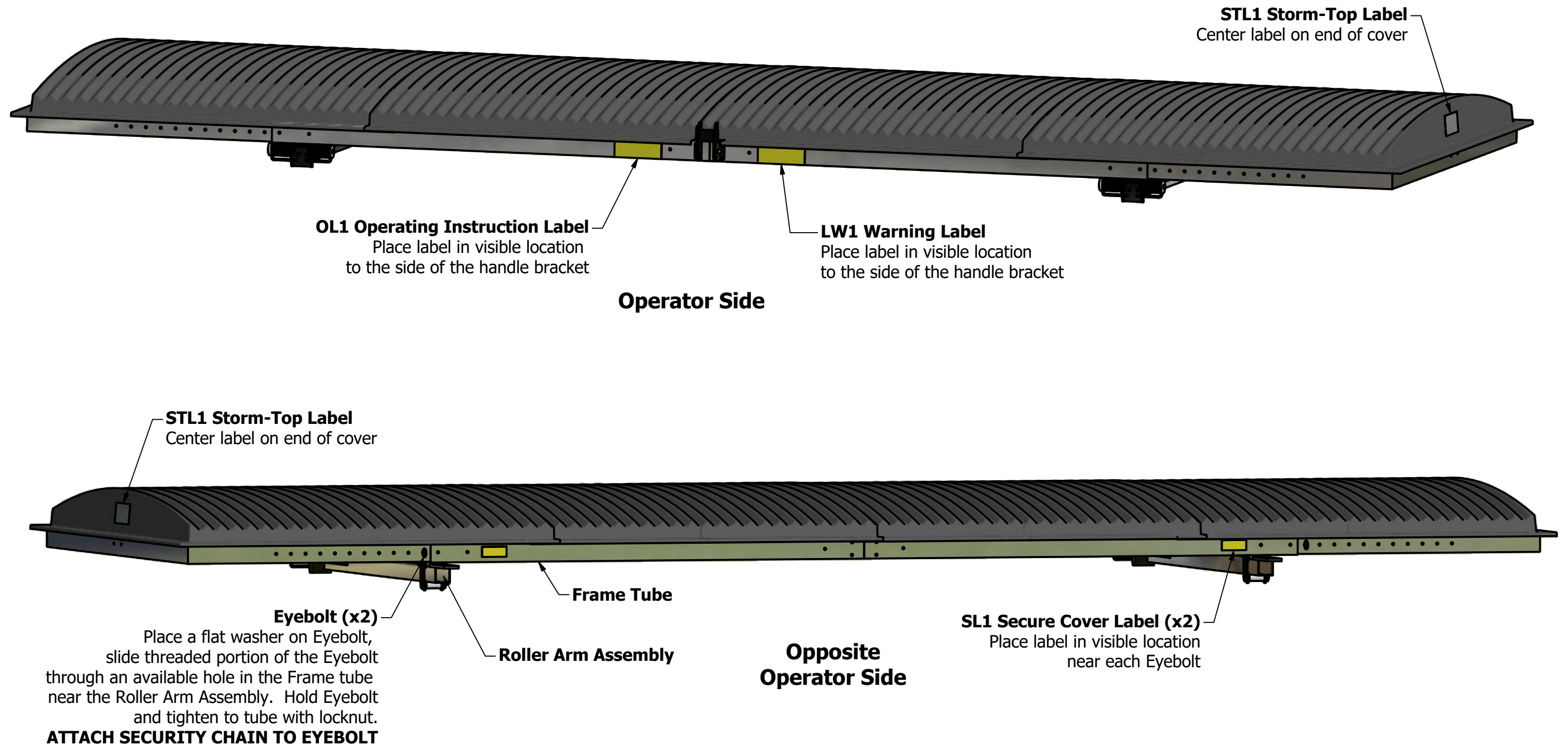
Note: Roller pins have grease fittings to allow for periodic lubrication. Grease pins before use and as required to maintain smooth operation.



End View
Front Roller
Bracket

Step 11: Warning Label Installation

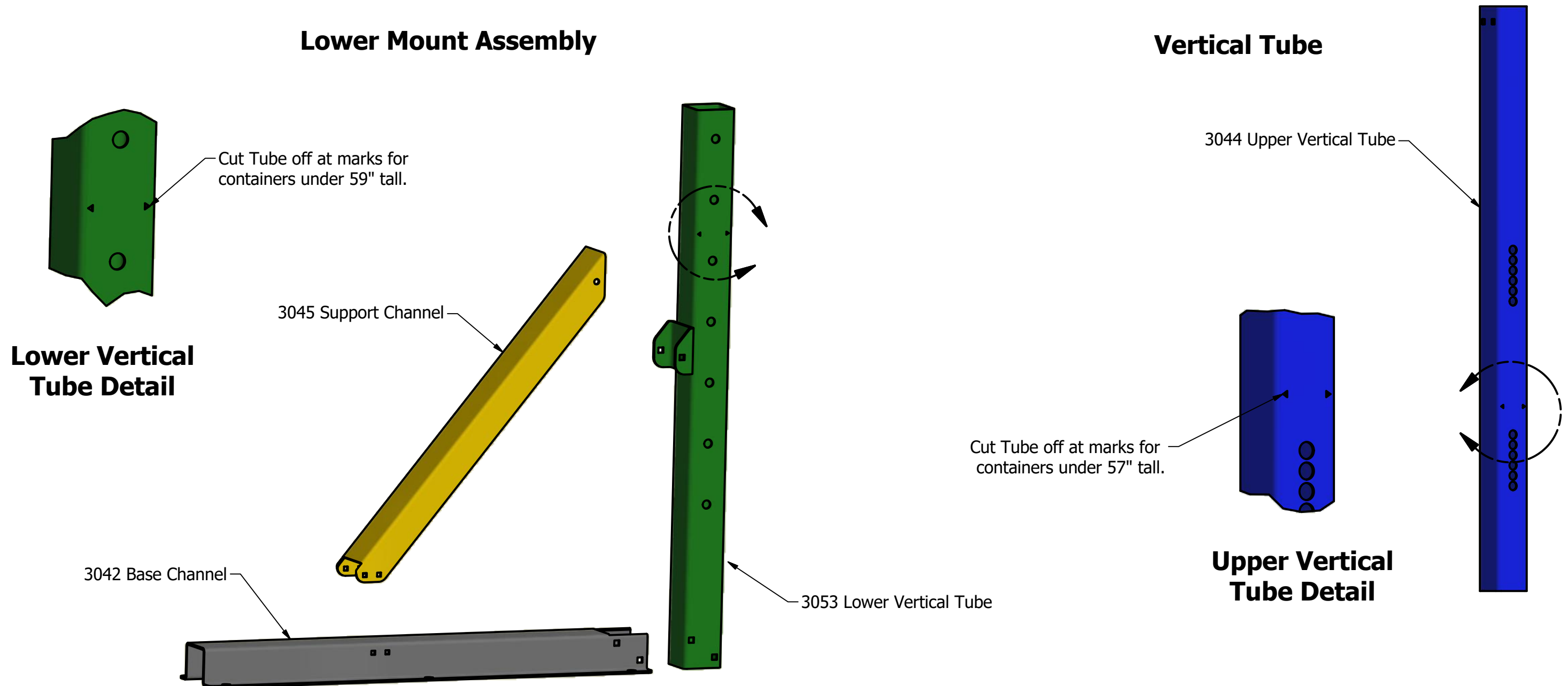
Place labels and eyebolts as shown.



Step 12: Lower Base Assembly (x2)

The frame components, as received, will adjust to fit containers from 99" down to 59" tall. To obtain an adjustment range from 69" down to 47", both the Upper and Lower Vertical Tubes (3044 & 3053) will need to be altered. Cut off at marks and discard the drops. See detail views.

Slide Lower Vertical Tube (3053) within the Base Channel (3042). Loosely fasten with (2) 1/2 x 6 1/2" Carriage Bolts and Flange Nuts. Attach Support Channel (3045) to Base Channel (3042) with (2) 3/8 x 5 1/2" Carriage Bolts and Lower Vertical Tube (3053) with (1) 1/2 x 6 1/2" Carriage Bolt. Square Lower Vertical Tube (3053) to Base Channel (3042) and tighten Flange Nuts to all Bolts.



Step 13: Mounting Frame Assembly

Slide the Upper Vertical Tubes within the Lower Mount Assemblies.

Place the container to be covered into location it is to reside. Note: the Mounting Frame Assemblies will end up being approximately 12" from the side of the container.

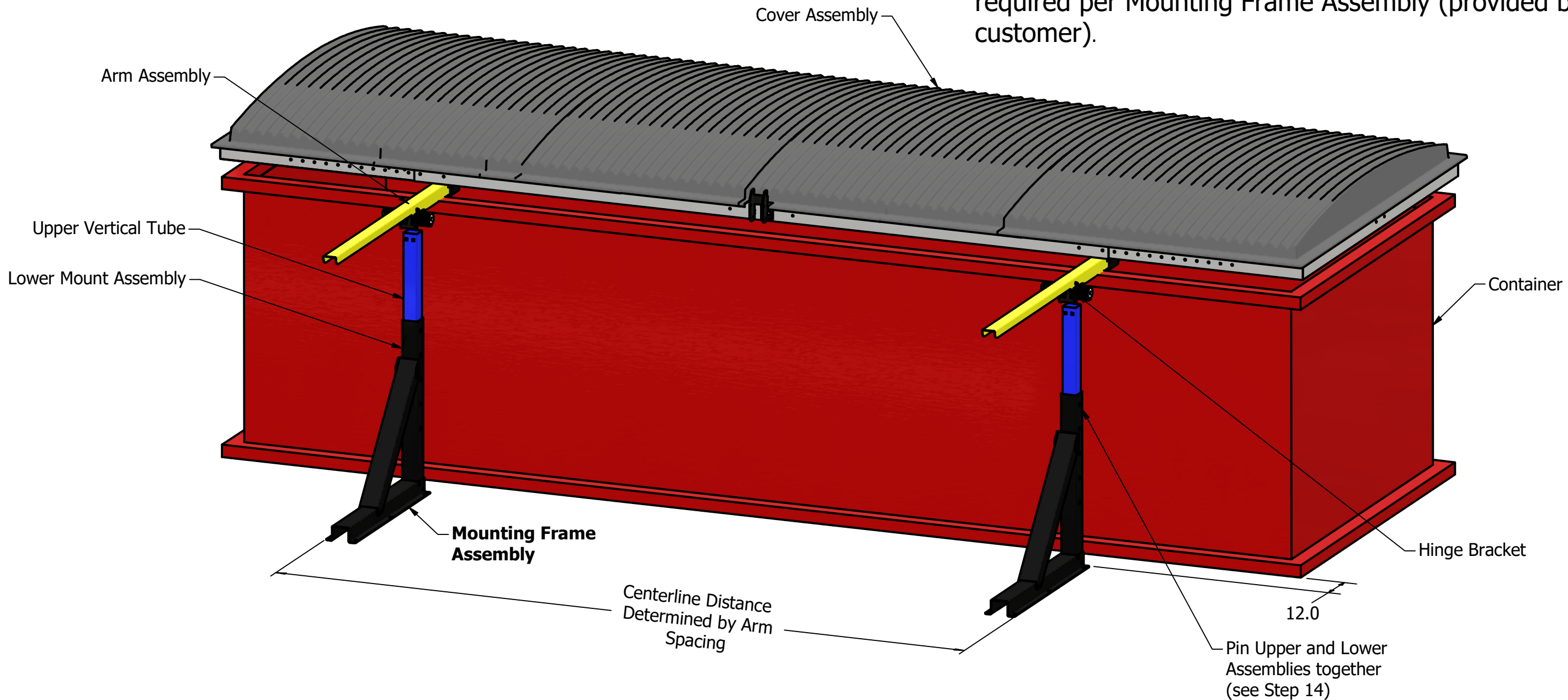
Center Cover Assembly upon container, hinge side of arms will be overhanging toward the side of the Mounting Frame Assemblies (Mounting Frame consists of the Upper Vertical Tube and Lower Mount Assembly).

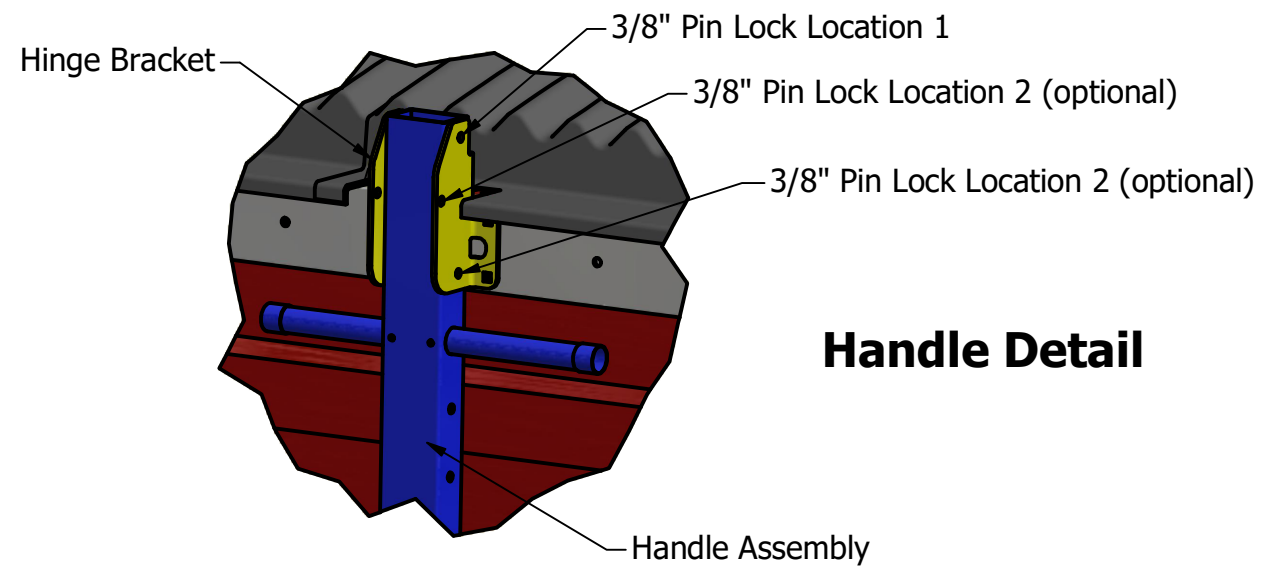
Step 14: Cover/Mount Frame Assembly

Raise the Upper Vertical Tube until the holes line up with those on the Hinge Bracket. Bolt in place with (2) 1/2 x 4 1/2" Carriage Bolts and Flange Nuts .

Place a 3/4" Hex Bolt in first hole that allows it to pass through both the Upper Vertical and Lower Mount Assembly tubes. Snug with Washer/Nylock Hex Nut. DO NOT OVERTIGHTEN.

Once Mounting Frame Assembly locations are finalized, **square them to one another** and **anchor in place** with (6) anchors required per Mounting Frame Assembly (provided by customer).



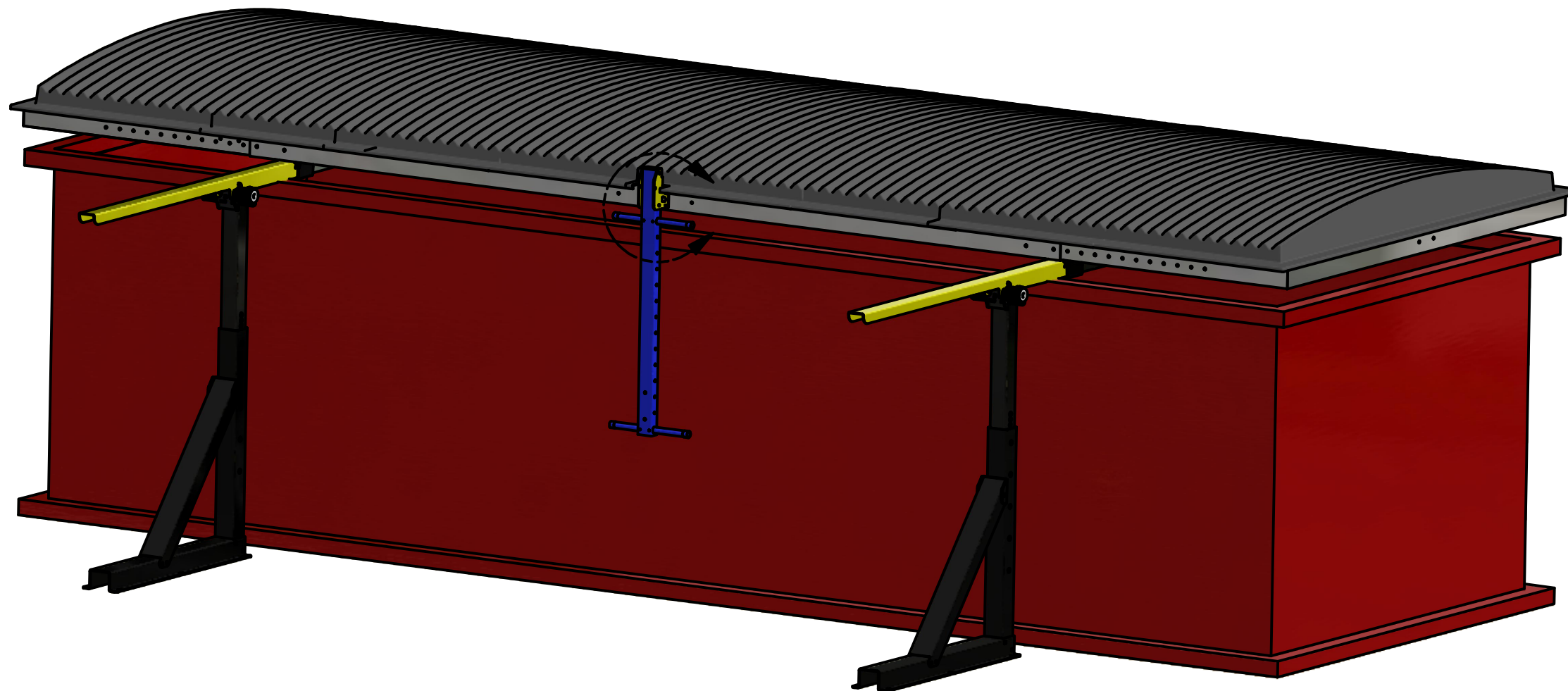


Handle Detail

Step 15: Handle Installation

The Handle Assembly may be attached 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.

Alternately, at the preference of the operator, the Handle Assembly may be attached in a fixed position through any of its various holes with one 3/8" Pin Lock in Location 1 of the Handle Bracket and a second 3/8" Pin Lock through either of the Handle Bracket locations marked 2 in the Handle Detail.



Step 16: Adjust Stop Pins

Adjust Stop Pins to set tipping force required to tilt cover.

Adjust Centering Pins to set closed position of the cover over the container. (see Step 6)

STORM TOP

Model ST-8250-SA SAFETY CHECKLIST

DO NOT OPERATE STORM-TOP COVER BEFORE REVIEWING

- Make sure all four stop bolts are in place in the roller channels (See Step 6 “WARNING” page)
- Grease roller pins and see that the rollers spin freely
- Make sure all warning labels are in place (See step 11)
- Make sure all nuts/bolts are tightened and securing pins in place

