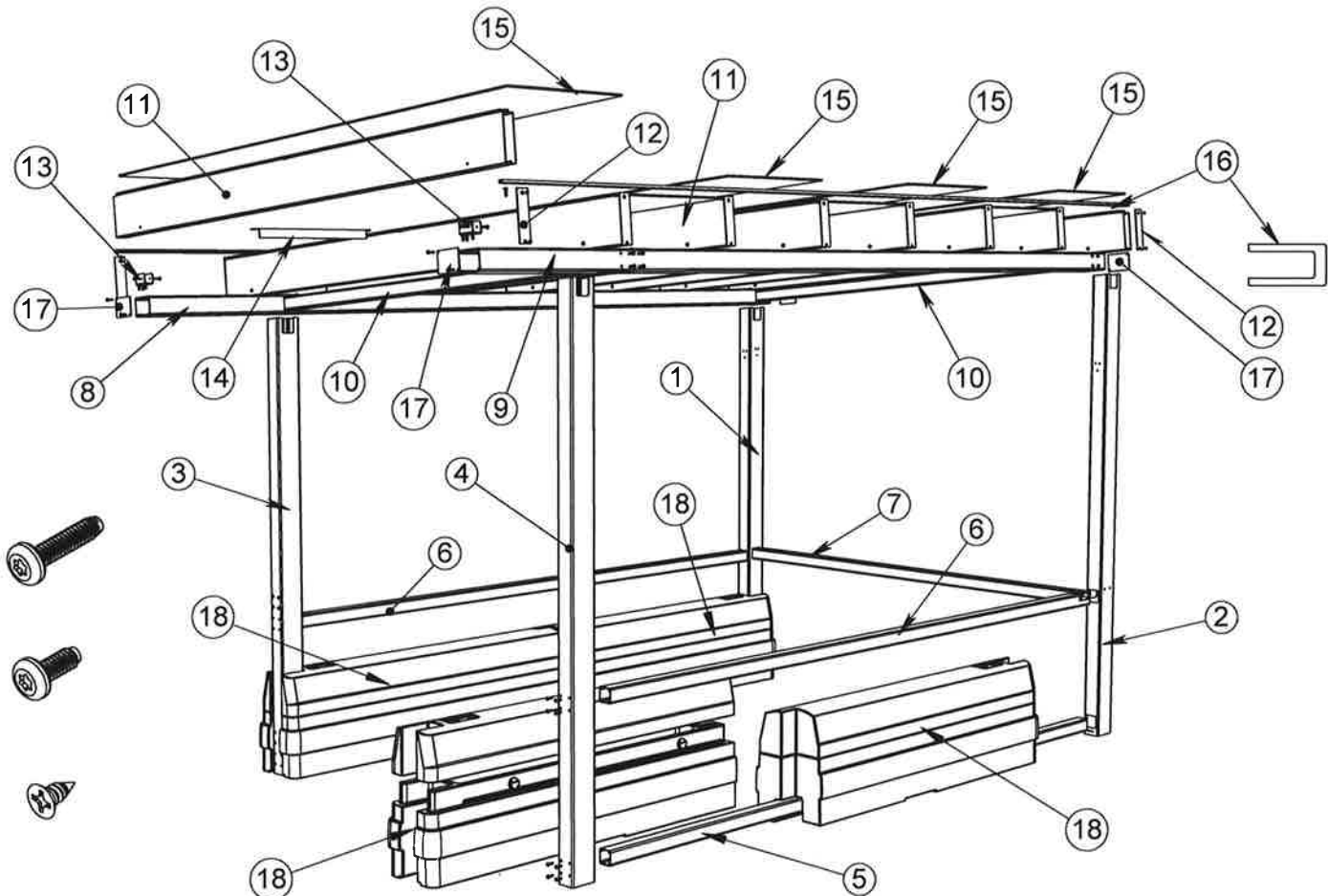


# Right Hand Custom Architectural Series ( CPAS-4B-R-PC)

## Bill Of Materials and Installation instructions

### With Polycarbonate multiwall Glazing ( 6mm, w/tapped ends)



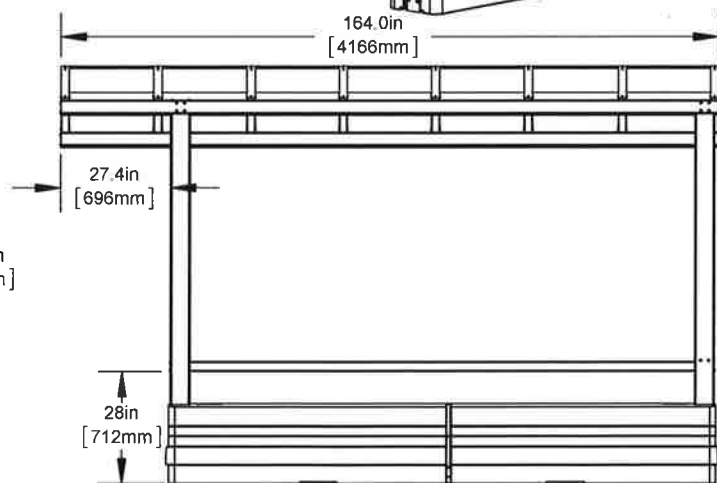
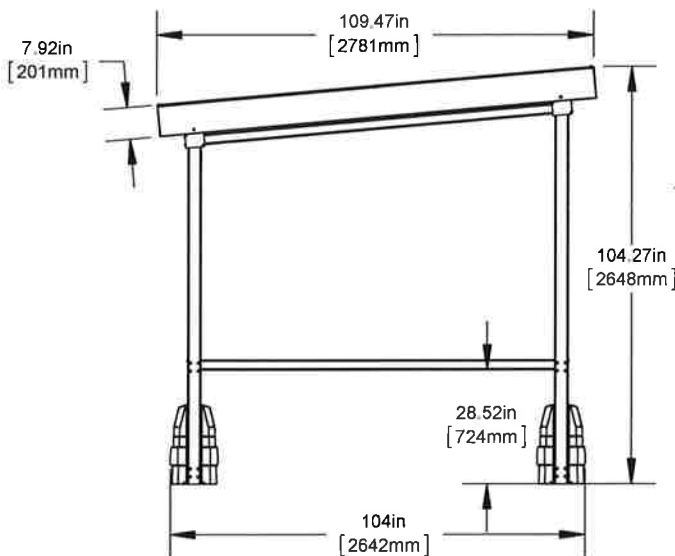
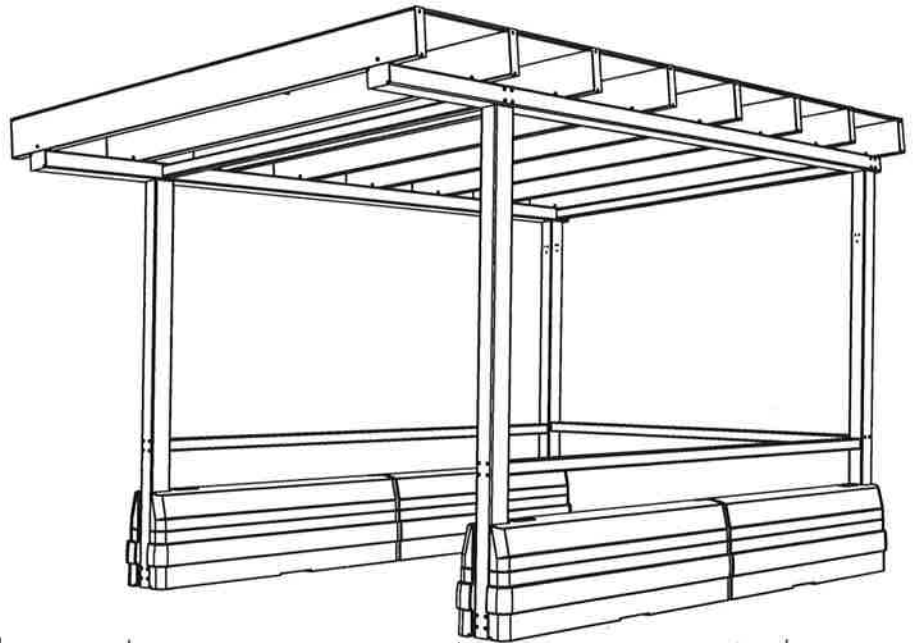
CUSTOM ARCHITECTURAL 4B SLOPE RIGHT (CPAS-4B-R-PC) NO SIDES			McCUE DRAWING OR PART #'S
ITEM #	QTY	DESCRIPTION	
1	1	REAR LOW VERTICAL POST, 87.60" LONG -RIGHT UNIT-	CASRSRFABVPRL
2	1	REAR HIGH VERTICAL POST, 95.65" LONG -RIGHT UNIT-	CASRSRFABVPRH
3	1	FRONT LOW VERTICAL POST, 87.60" LONG -RIGHT UNIT-	CASRSRFABVPFL
4	1	FRONT HIGH VERTICAL POST, 95.65" LONG -RIGHT UNIT-	CASRSRFABVPFH
5	2	LOWER SIDE RAIL, BARRIER CONNECTOR, 135.4375" LONG	CCASFABLSR
6	2	UPPER SIDE RAIL, GUIDANCE RAIL, NOTCHED 135.4375" LONG	CCASFABUSR
7	1	BACK STOPBAR, 95.1785" LONG	CCASFABBR
8	1	TOP RAIL LOW, 164.0" L, INTERNAL BRKT -RIGHT UNIT-	CASRSRFABTRL
9	1	TOP RAIL HIGH, 164.0" L, INTERNAL BRKT -RIGHT UNIT-	CASRSRFABTRR
10	2	CROOSBAR ALONG TOP, 96.9375" LONG	CCASFABCR
11	8	2X8 RECTANGULAR CROSS MEMBER WITH BUILT CAP, 109.625"	CASRSRLFAB2X8
12	16	2X8 END CAPS, 2.031" X 7.935" TALL X 1/8" THICK	CASRSRLFAB2X8END
13	16	2X8 ROOF SLOPE INTERNAL BRACKETS, FORMED	CASRSRLFAB2X8BK
14	7	2X8 ANGLE SPAN SUPPORT, 1.0 X 1.5 X 23.0" LONG	CASRSRLFAB2X8SPRT
15	7	ROOF PANELS, ACRYLIC SHEET, 23" X 109.25" X 0.177"	CASRSRLFABRP
16	2	RETAINER, ROOF DRIP EDGE, 164.0" LONG	CASRSRLFAB2X8DE
17	4	TOP RAIL COVER CAPS, 4.890" x 3.469" x .125"	CASRSRLFABTRCAP
18	4	PLASTIC BARRIERS, HDPE, 70.25" X 12.0" X 20.0"	CPAS-BARRIER-624
HARDWARE			
	80	1/4-20 X 1.0" TF PN HD TORX BLK OX, S/S	CPAS-4B-RL-HW
	48	1/4-20 X 1.0" TF PN HD TORX, S/S	
	40	1/4-20 X 1/2" TF PN HD TORX BLK OX, S/S	
	32	#12 X 1/2" TF FL HD BLK OX, S/S	

REV June 15, 2015

## Two-Person Installation Recommended

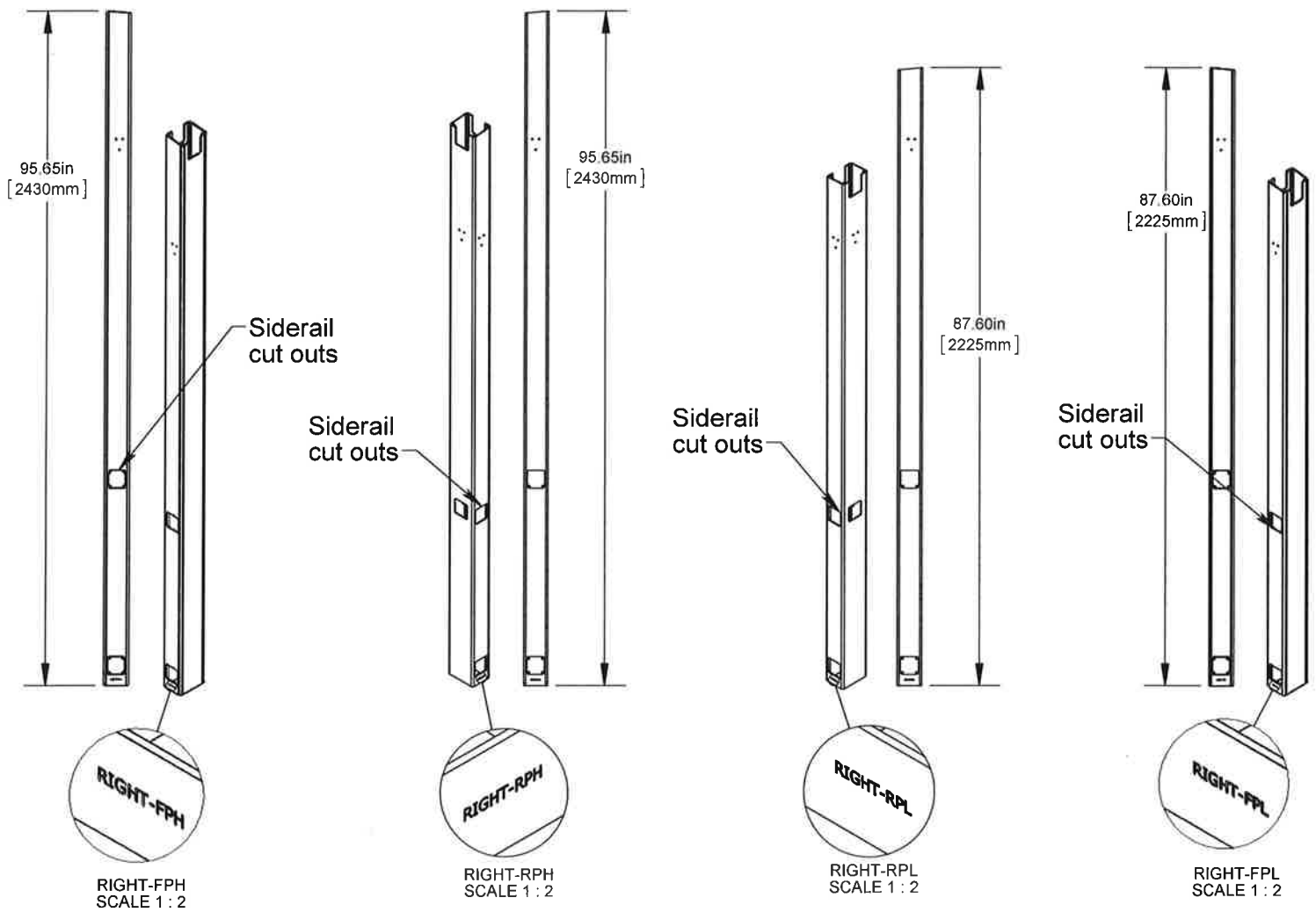
### Tools Required.

- ( 2 ) Six foot step ladders
- Tape Measure
- Cordless Impact Driver & back-up batteries
- T30 Torx Bit
- Phillips Bit
- Tin shear
- Hammer
- Pry bar and Nail Puller for wood crate
- Cleaning Rags
- 1,200 pounds ( 544 kilograms ) of sand, pea stone or gravel for ballasting
- Wax for screws ( if needed )

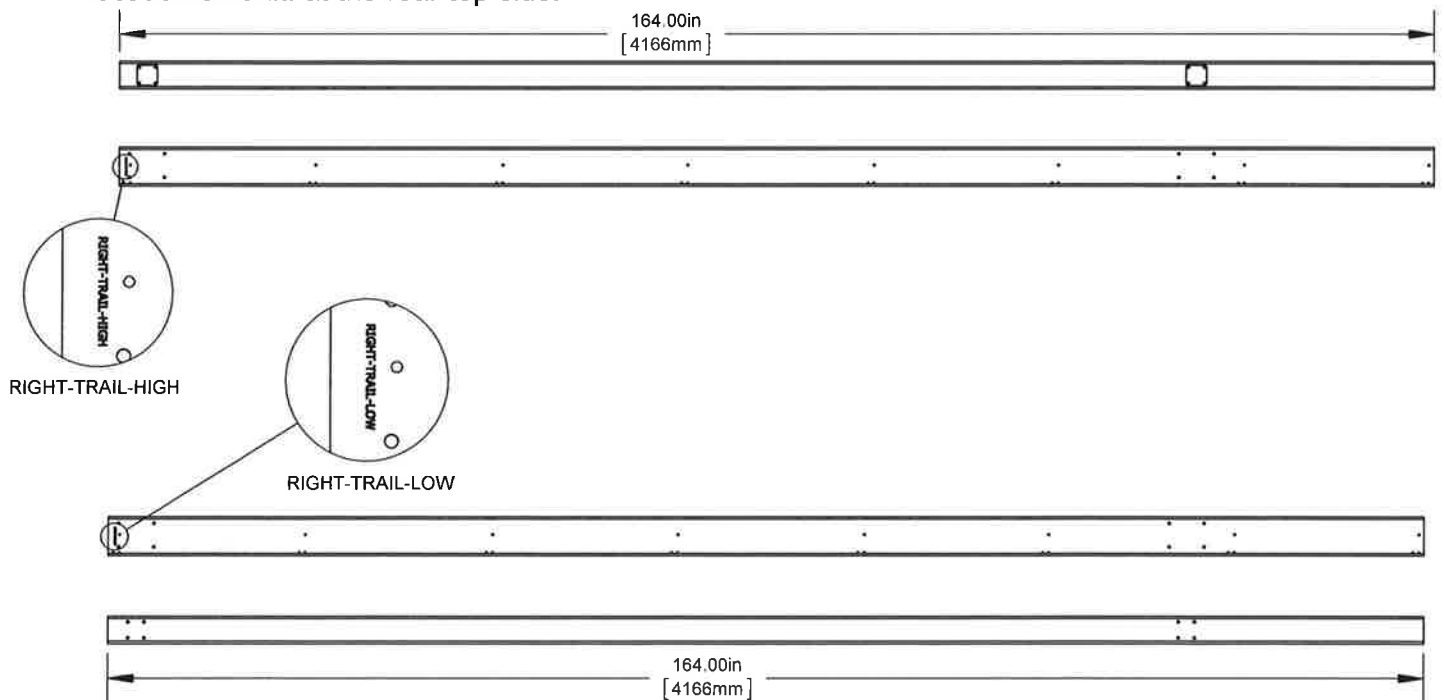


**IMPORTANT:** Assemble on a flat, level surface. All cart corrals should be inspected on a regular basis for damage. McCue recommends a minimum of two inspections per year in the spring and fall. Any damaged pieces should be replaced with McCue replacement parts.

**VERTICAL POST MARKINGS:** All vertical members have printed markings for ease of sorting and finding location on unit on the bottom side with the siderail cut outs.

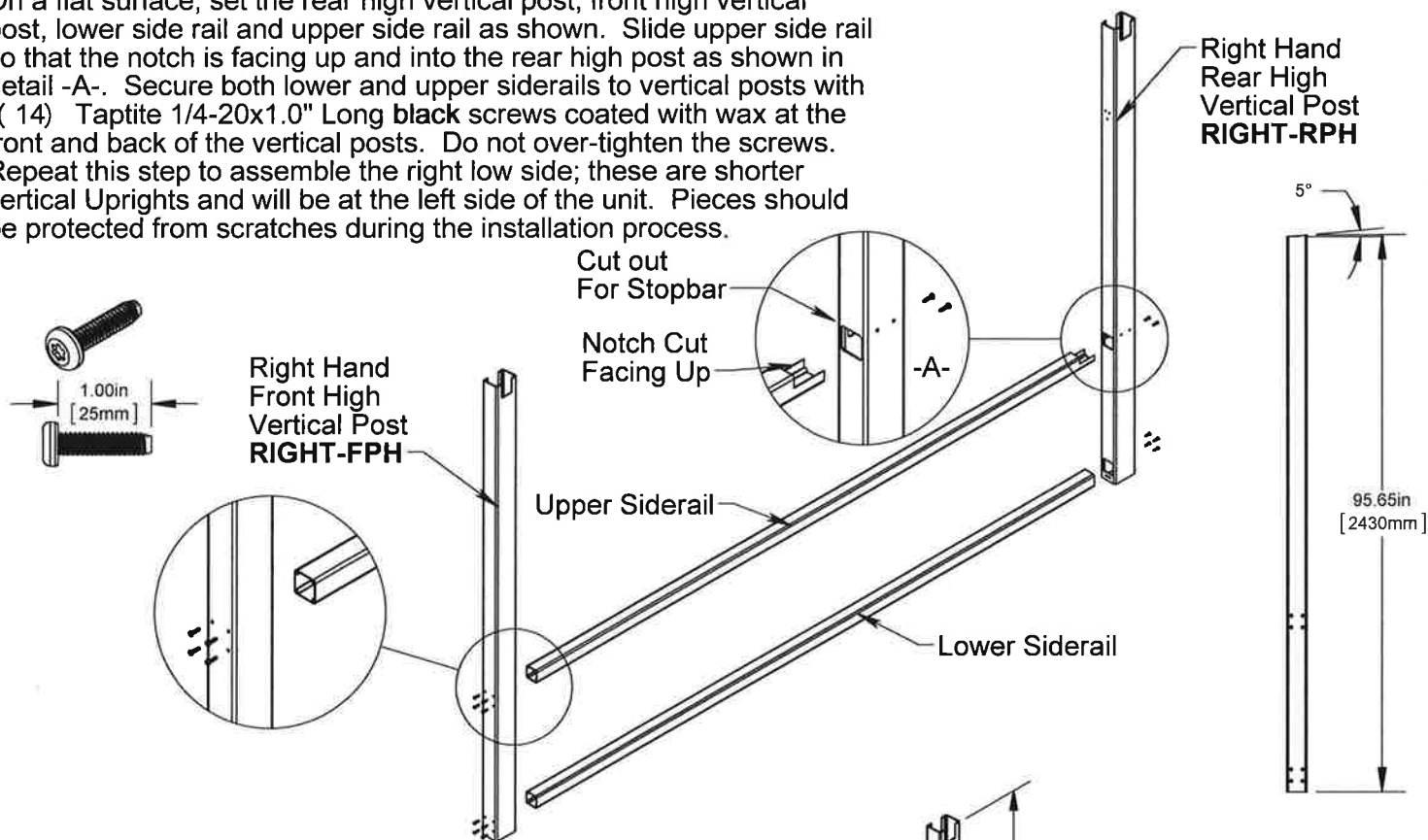


**TOP RAIL MARKINGS:** Both top rail members have printed markings for ease of sorting and finding location on unit. at the rear top side.



## Step 1: Assemble Right Hand high Verticals to Siderails and Right Hand Low Vertical to Siderails

On a flat surface, set the rear high vertical post, front high vertical post, lower side rail and upper side rail as shown. Slide upper side rail so that the notch is facing up and into the rear high post as shown in detail -A-. Secure both lower and upper siderails to vertical posts with ( 14 ) Taptite 1/4-20x1.0" Long black screws coated with wax at the front and back of the vertical posts. Do not over-tighten the screws. Repeat this step to assemble the right low side; these are shorter vertical Uprights and will be at the left side of the unit. Pieces should be protected from scratches during the installation process.

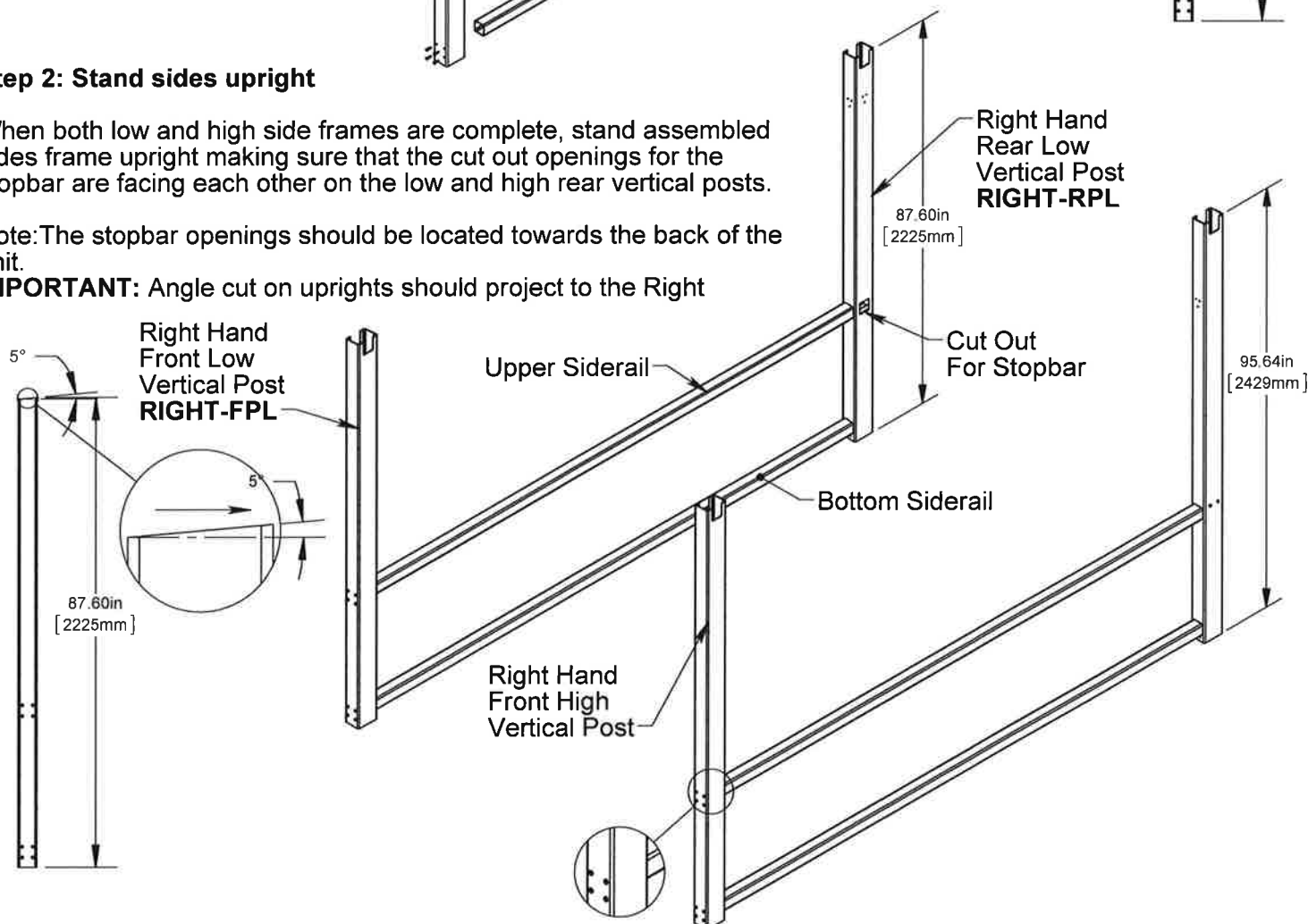


## Step 2: Stand sides upright

When both low and high side frames are complete, stand assembled sides frame upright making sure that the cut out openings for the stopbar are facing each other on the low and high rear vertical posts.

Note: The stopbar openings should be located towards the back of the unit.

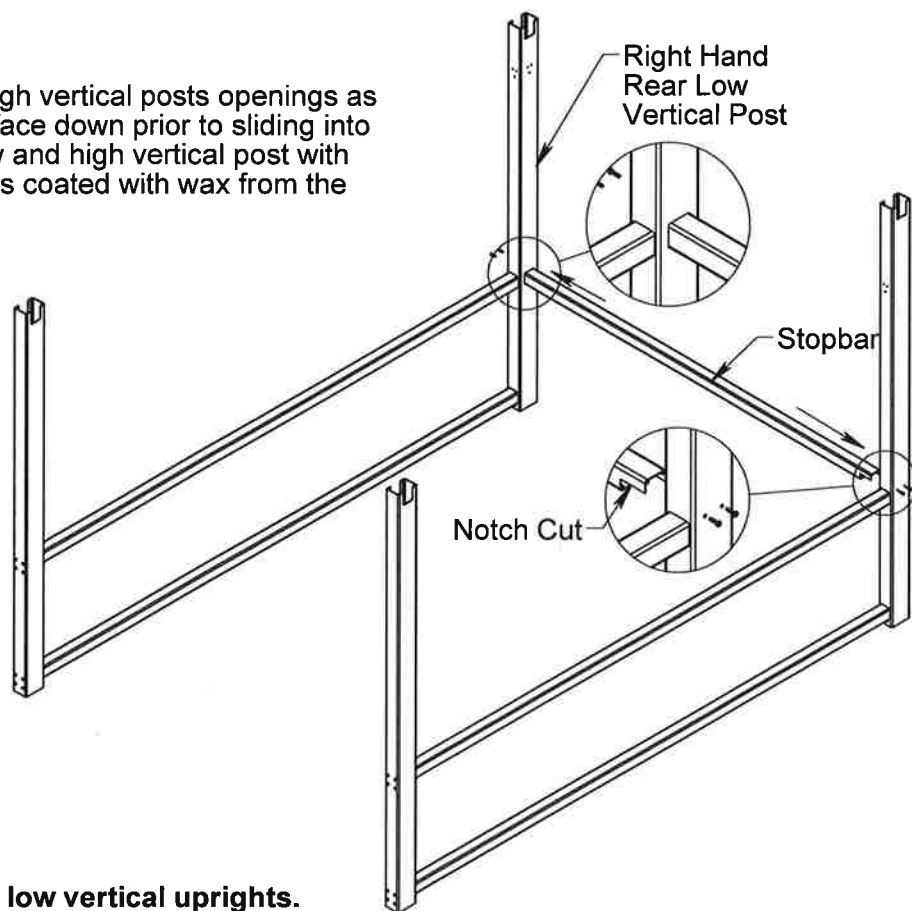
**IMPORTANT:** Angle cut on uprights should project to the Right



### Step 3: Secure back stopbar

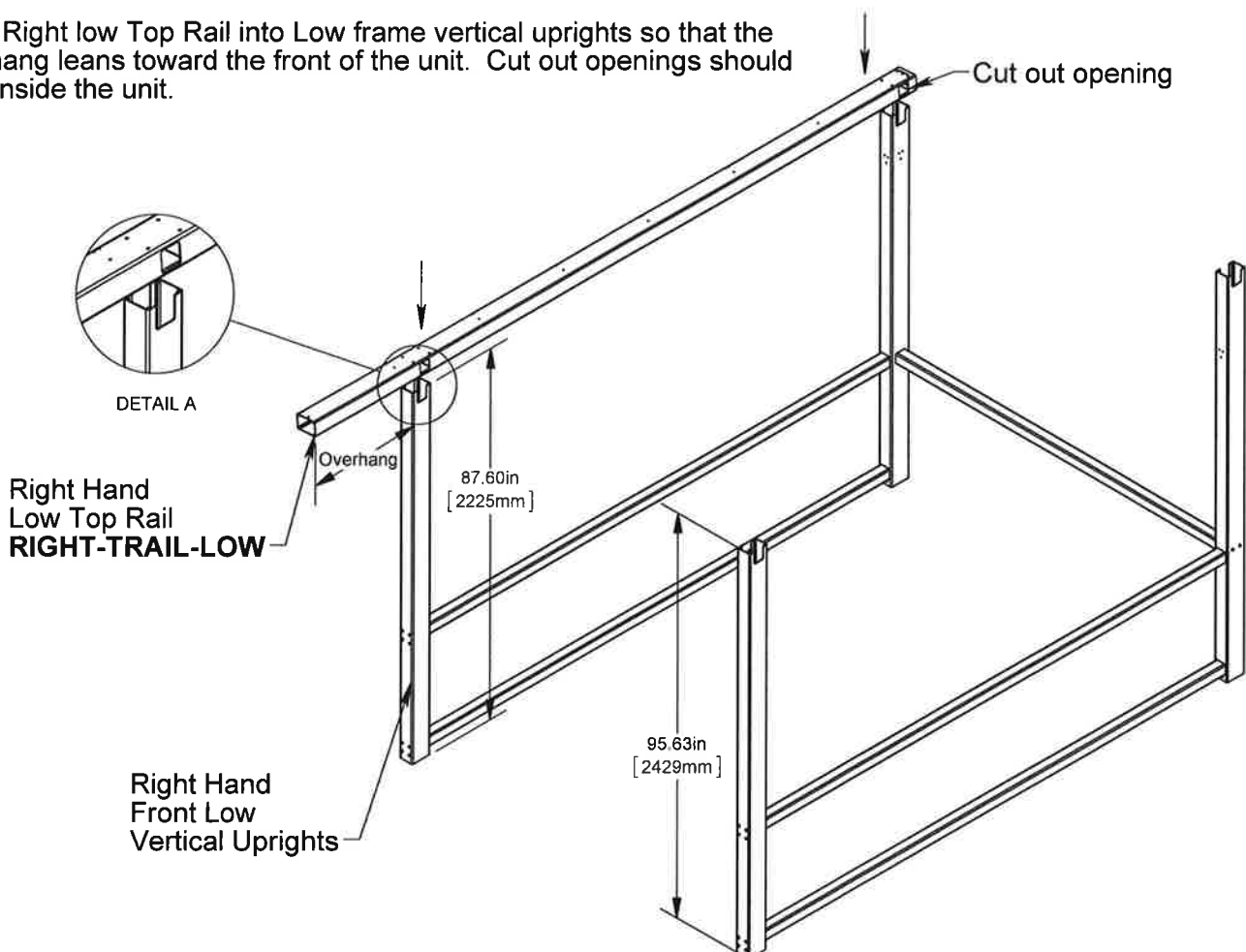
Slide the stopbar into the rear low and high vertical posts openings as shown. Orient back stopbar notches to face down prior to sliding into vertical post. Secure Stopbar to rear low and high vertical post with (4) Taptite 1/4-20x1.0" Long black screws coated with wax from the outside of the unit.

Note: Do not over-tighten screws.



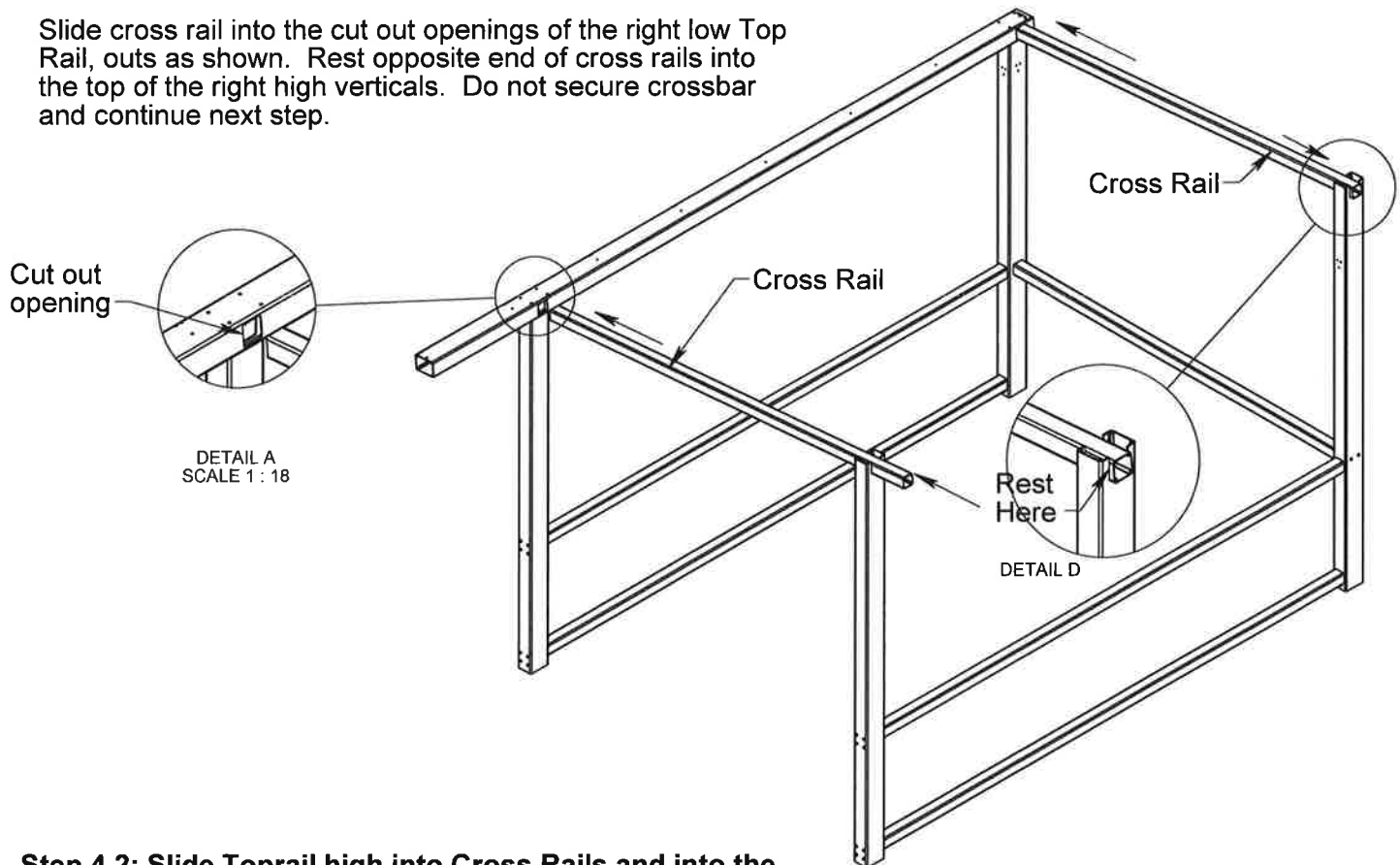
### Step 4: Slide Right Low Top Rail into low vertical uprights.

Slide Right low Top Rail into Low frame vertical uprights so that the overhang leans toward the front of the unit. Cut out openings should face inside the unit.



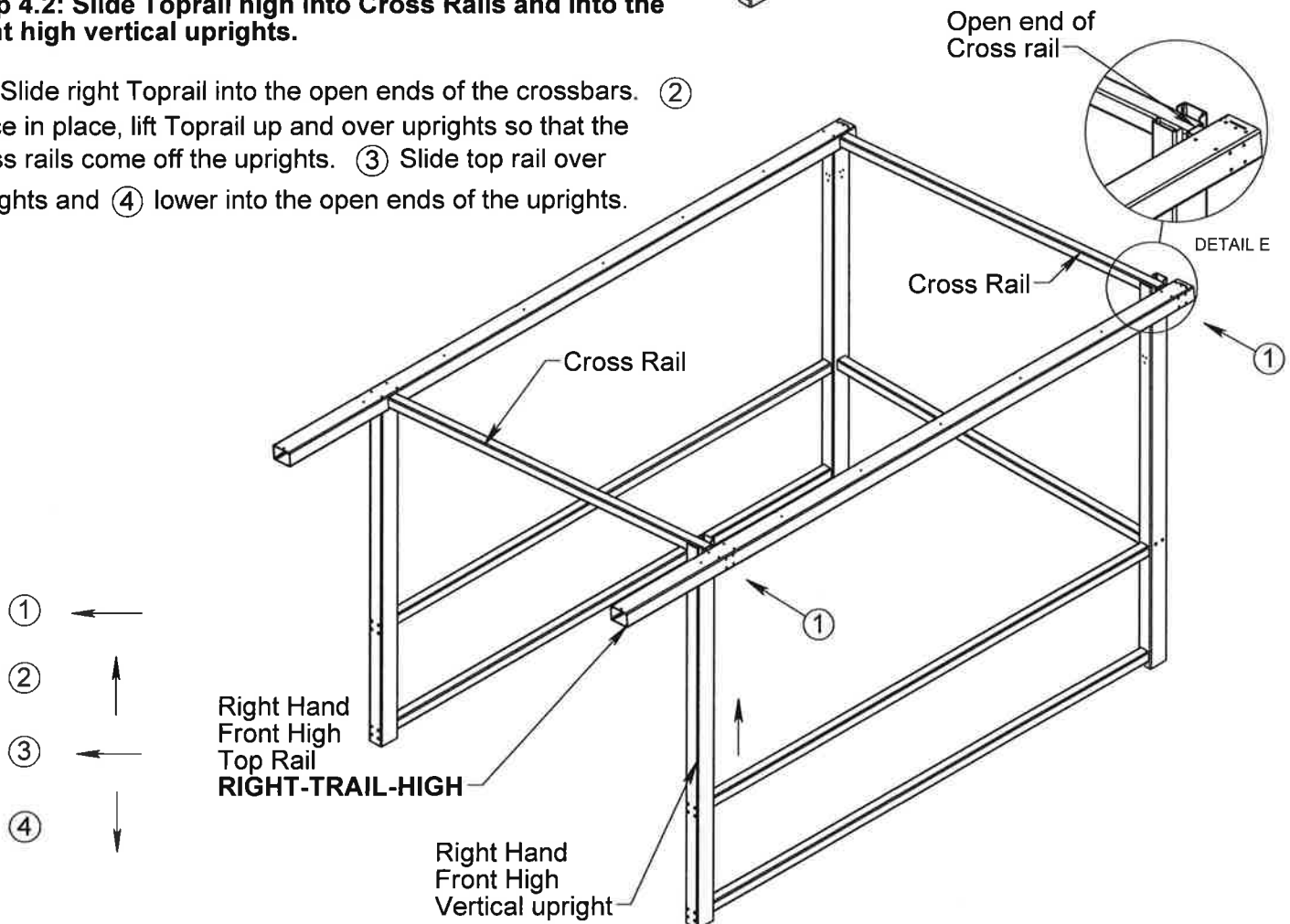
#### Step 4.1: Slide Cross Rails

Slide cross rail into the cut out openings of the right low Top Rail, outs as shown. Rest opposite end of cross rails into the top of the right high verticals. Do not secure crossbar and continue next step.



#### Step 4.2: Slide Toprail high into Cross Rails and into the right high vertical uprights.

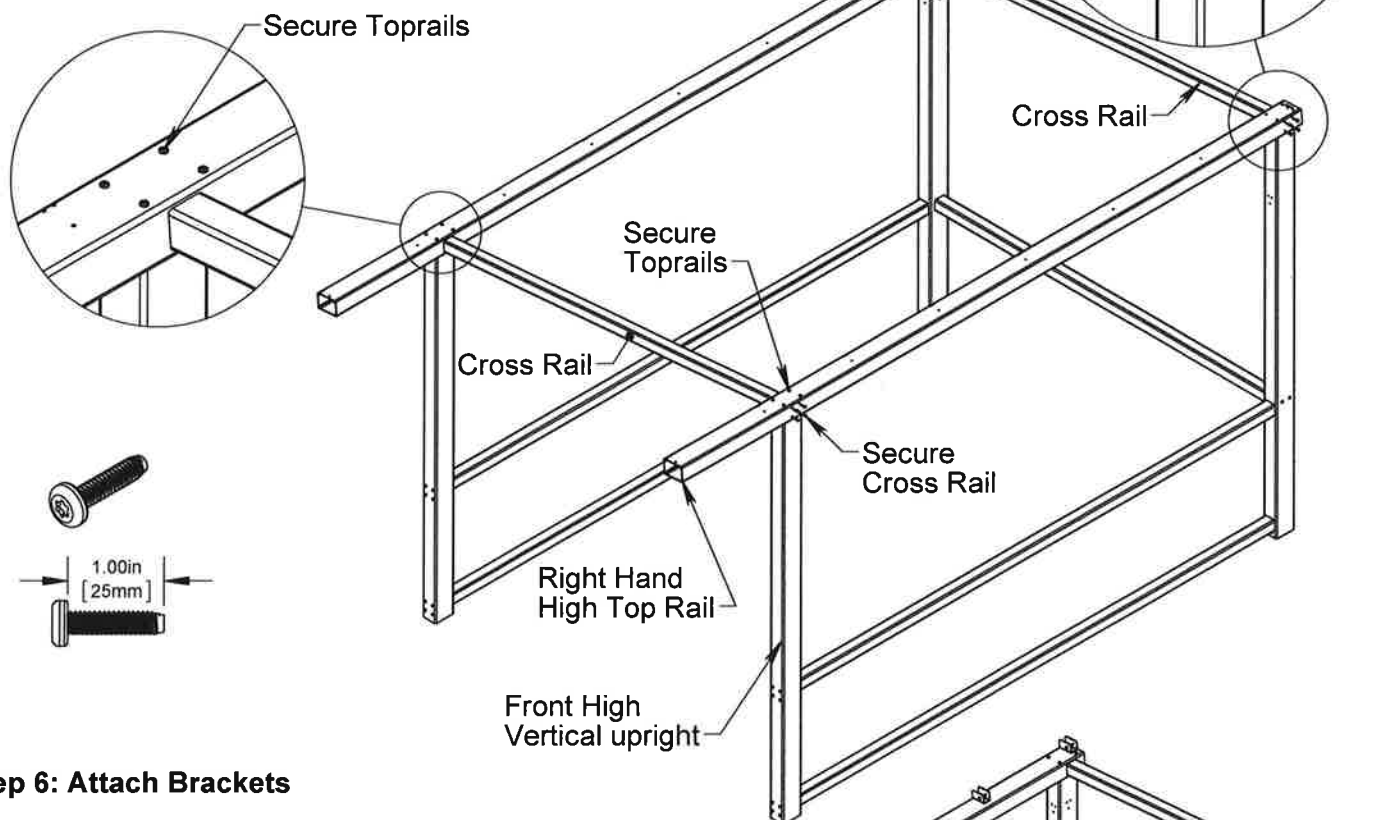
① Slide right Toprail into the open ends of the crossbars. ② Once in place, lift Toprail up and over uprights so that the cross rails come off the uprights. ③ Slide top rail over uprights and ④ lower into the open ends of the uprights.



### Step 5: Secure Top Rails and Cross Rails

Secure Toprails to uprights with (16) 1/4-20x1.0" Long black Tapite screws coated with wax. Secure Cross rails to Right and Left Toprails with (16) 1/4-20x1.0" Long **black** Tapite screws coated with wax.

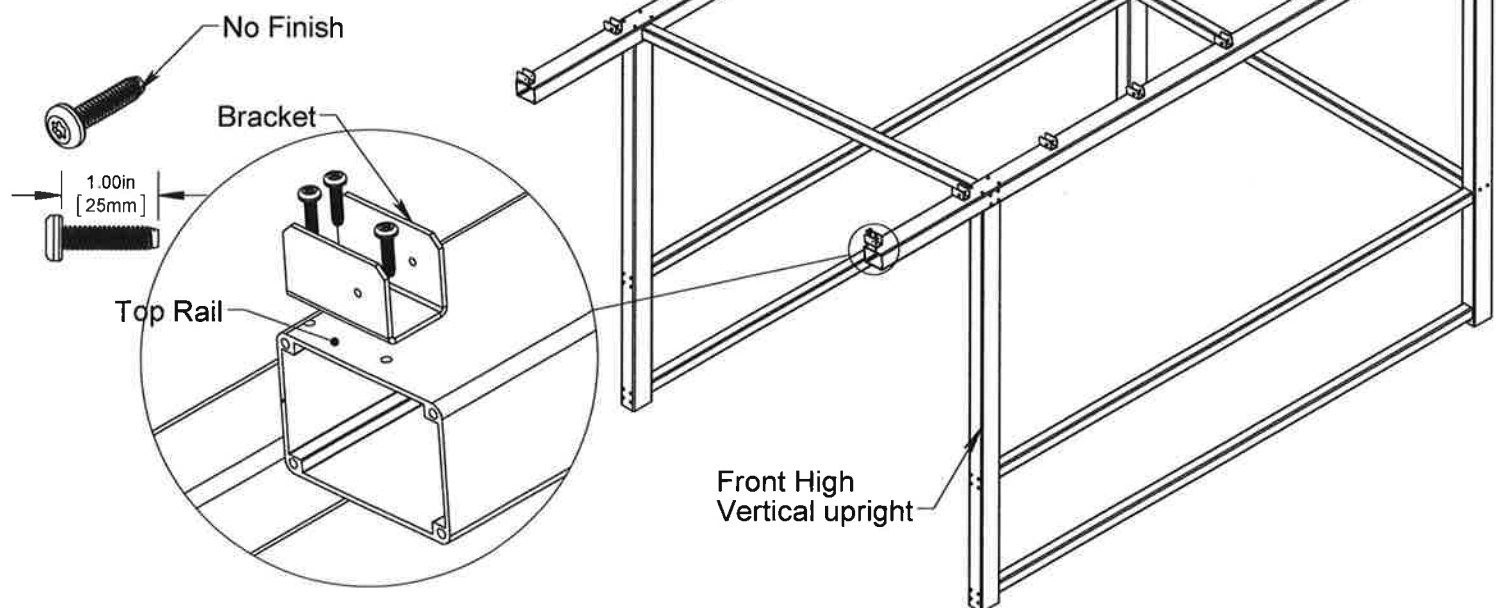
**Important:** Make sure every hole attachment is secured by a screw. A total of 32 screws are needed in this step.



### Step 6: Attach Brackets

Attach each bracket to top rails with (3) unfinish 1/4-20x1.0" Long Tapite screws coated with wax. There are 16 total brackets to install and a total of (48) screws needed.

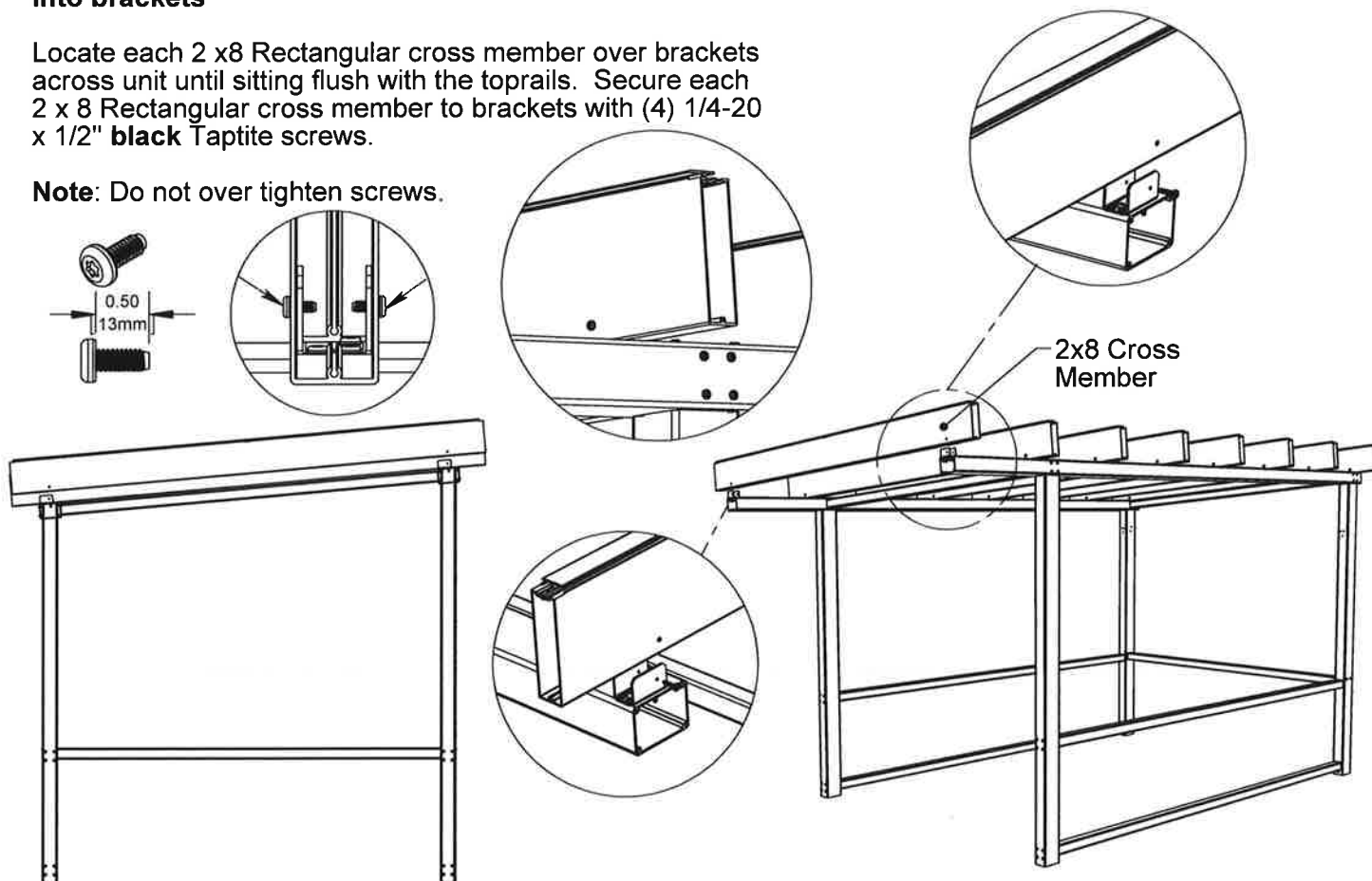
**Important:** These screws are unfinish with no color. Do not overtighten screws.



### Step 7: Locate and Secure 2x8 Rafter Cross Members into brackets

Locate each 2 x 8 Rectangular cross member over brackets across unit until sitting flush with the top rails. Secure each 2 x 8 Rectangular cross member to brackets with (4) 1/4-20 x 1/2" **black** Taprite screws.

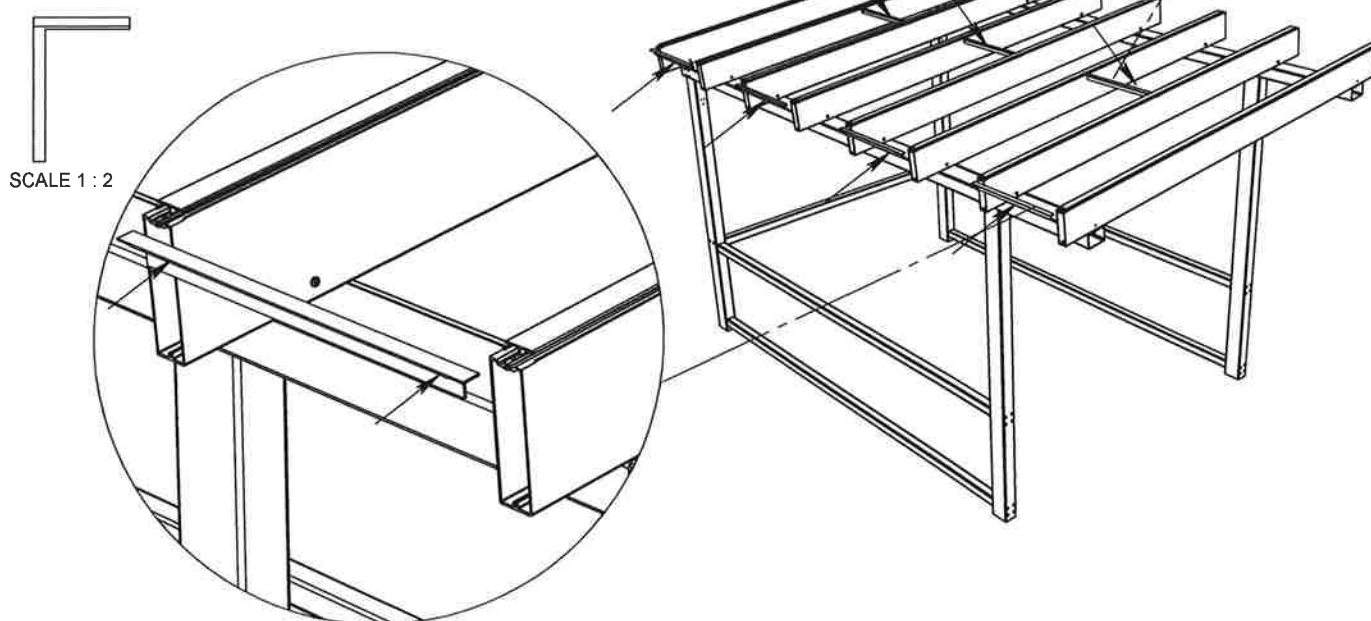
**Note:** Do not over tighten screws.



### Step 8: Slide Angle Span Support into 2 x 8 Rectangular Cross Member.

Slide the Angle Span supports between each 2 x 8 rectangular cross members. The angle span supports should rest in the cut out pocket in the center of the 2 x 8 rectangular members.

**Note:** Make sure all seven span supports are in place prior to continuing to next step and aligned.

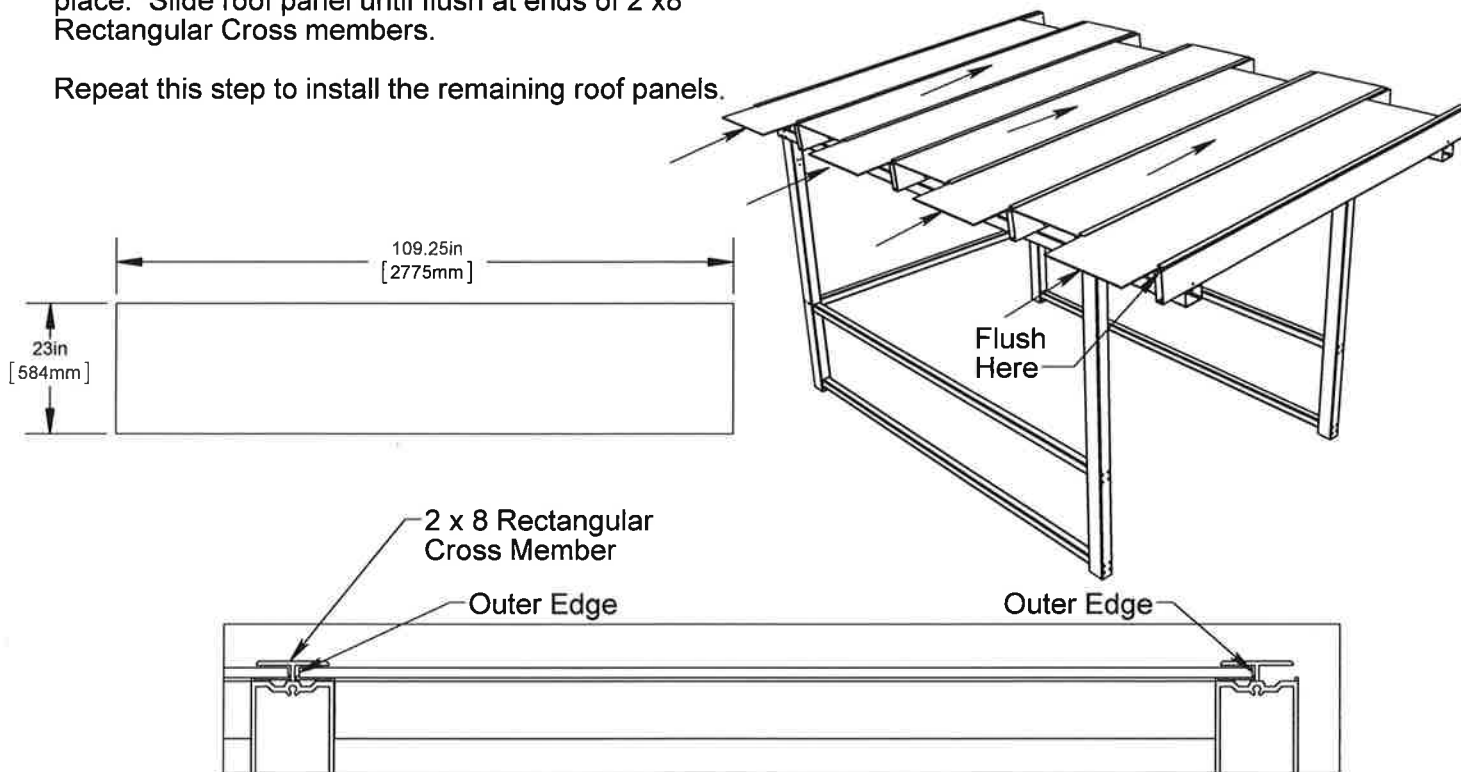




### Step 9: Installing the roof panels

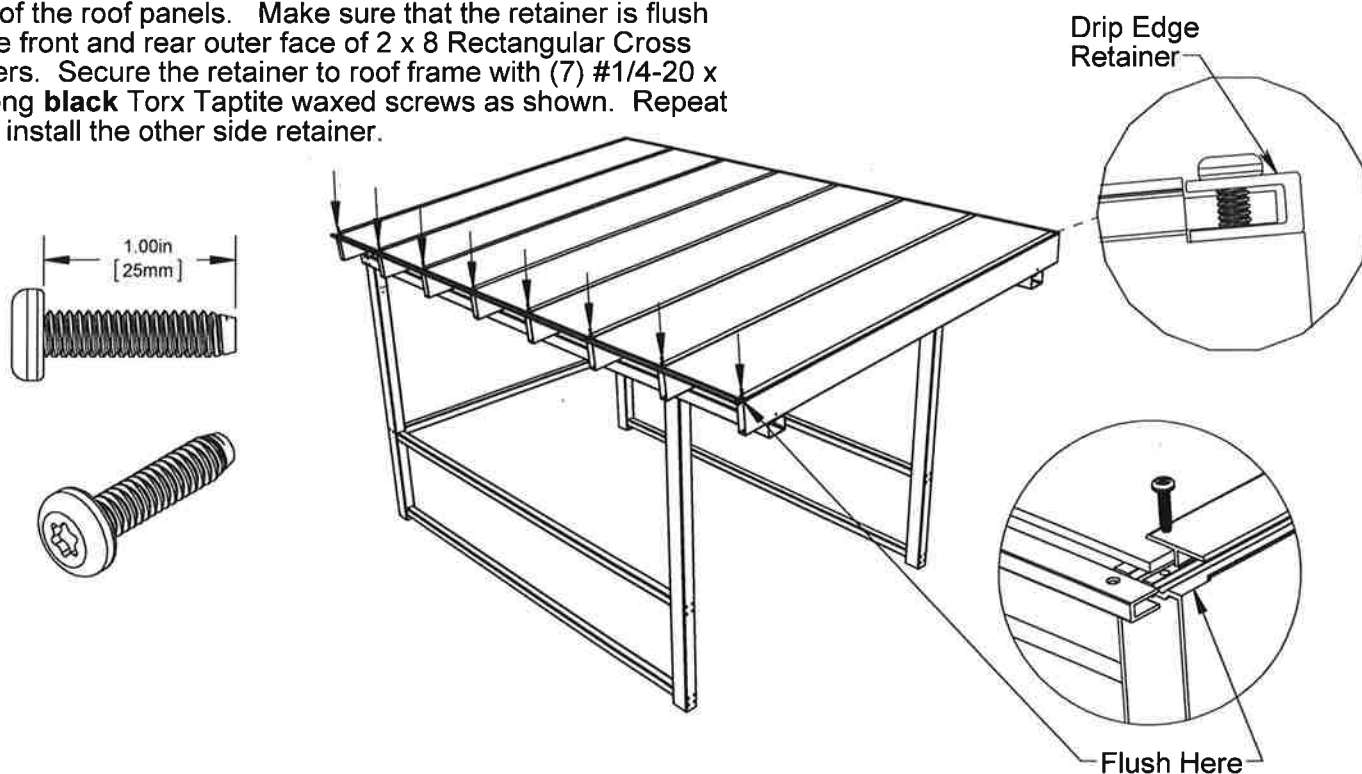
Each roof panel has a protective film that indicates the UV side. Position the panel so that the UV side is facing out. Remove the protective film from both sides. From the outside of the unit, slide both outer edges of the roof panel measuring 23" into the grooves of the 2 x 8 Rectangular Cross members as shown. Slowly guide the roof panel into place. Slide roof panel until flush at ends of 2 x 8 Rectangular Cross members.

Repeat this step to install the remaining roof panels.



### Step 10: Installing the retainer drip edge

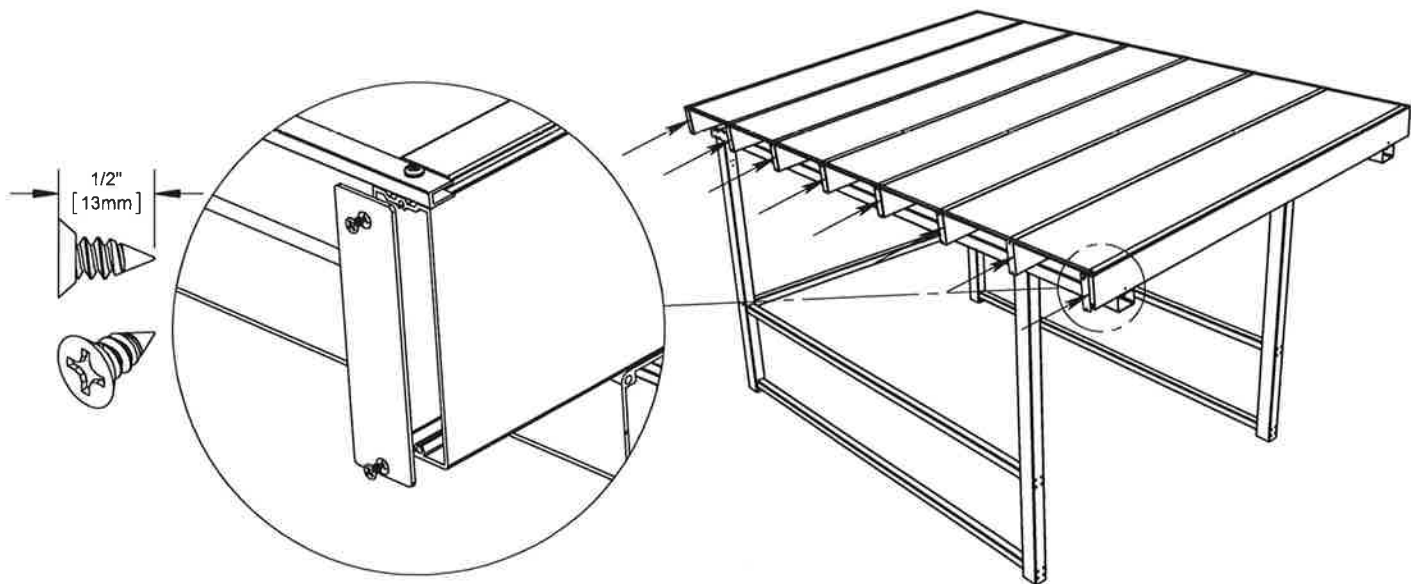
From the outside of the unit, slide the retainer onto the outer edges of the roof panels. Make sure that the retainer is flush with the front and rear outer face of 2 x 8 Rectangular Cross Members. Secure the retainer to roof frame with (7) #1/4-20 x 1.0" Long **black** Torx Taptite waxed screws as shown. Repeat step to install the other side retainer.



### Step 11: Installing the 2x8 Rectangular End Caps

From the outside of the unit, locate each 2x8 end cap over open end of rectangular openings and secure each with (2) #12 x 1/2" Long **black** flat head screw with a phillips bit.

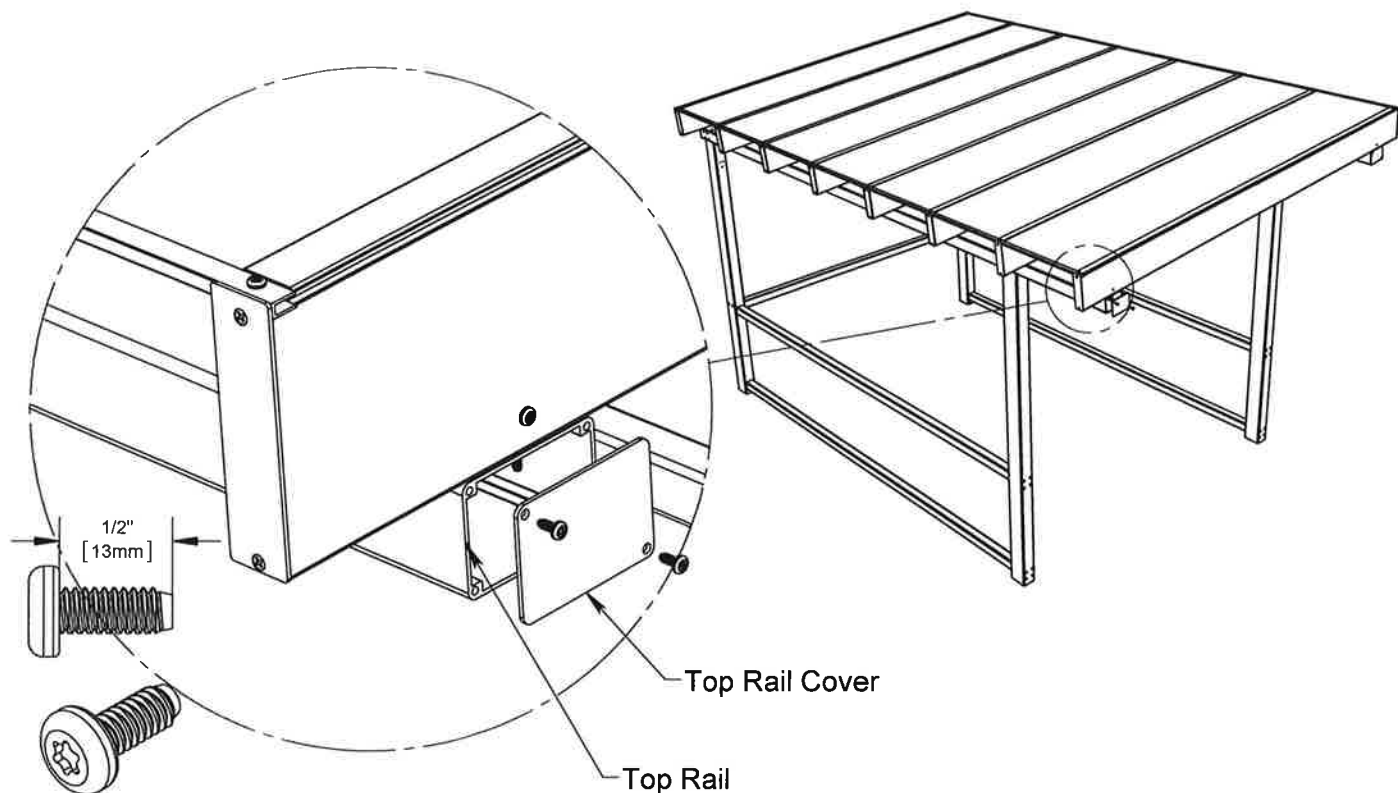
Repeat to all remaining 2x8 end caps.



### Step 12: Installing top rail Cover Caps

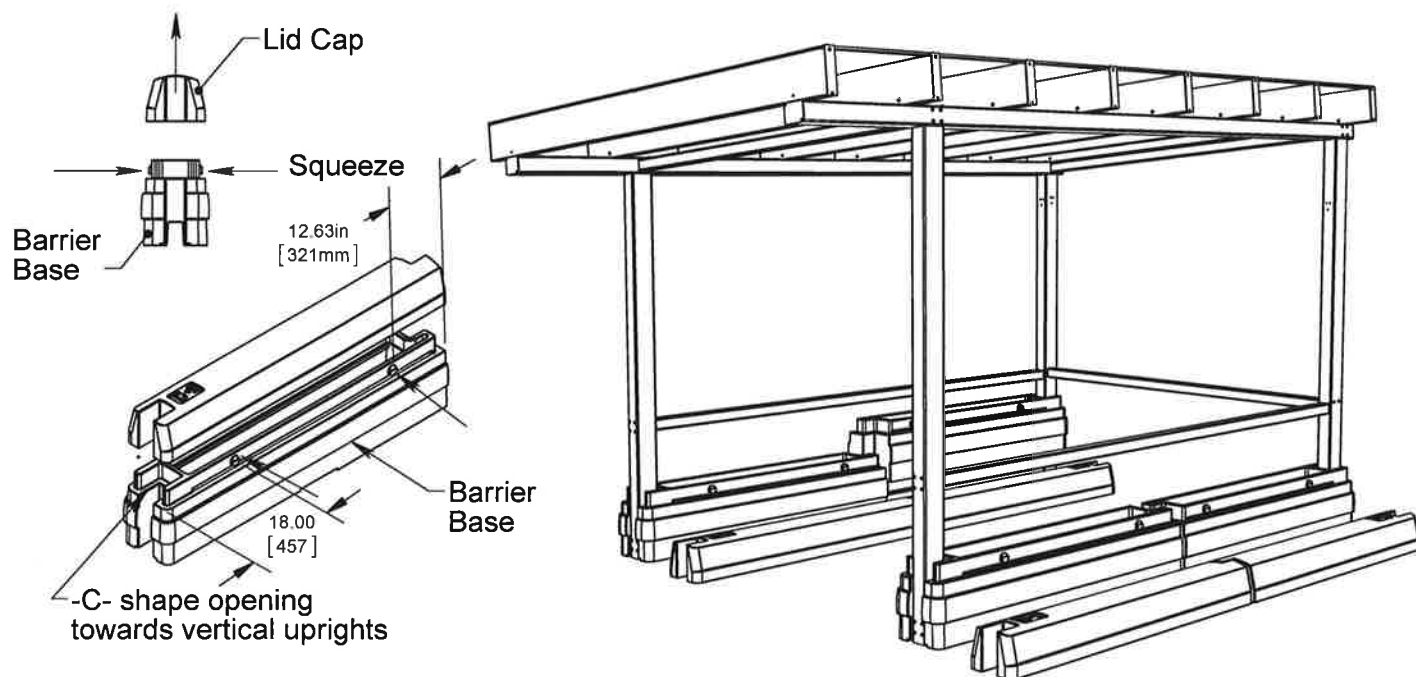
Locate each top rail cover cap over the front openings of the top rails and secure each with (2) 1/4-20 x 1/2" Long **black** taptight screws coated with wax.

Note: Do not overtight screws.



### Step 13: Installing the Plastic Barriers

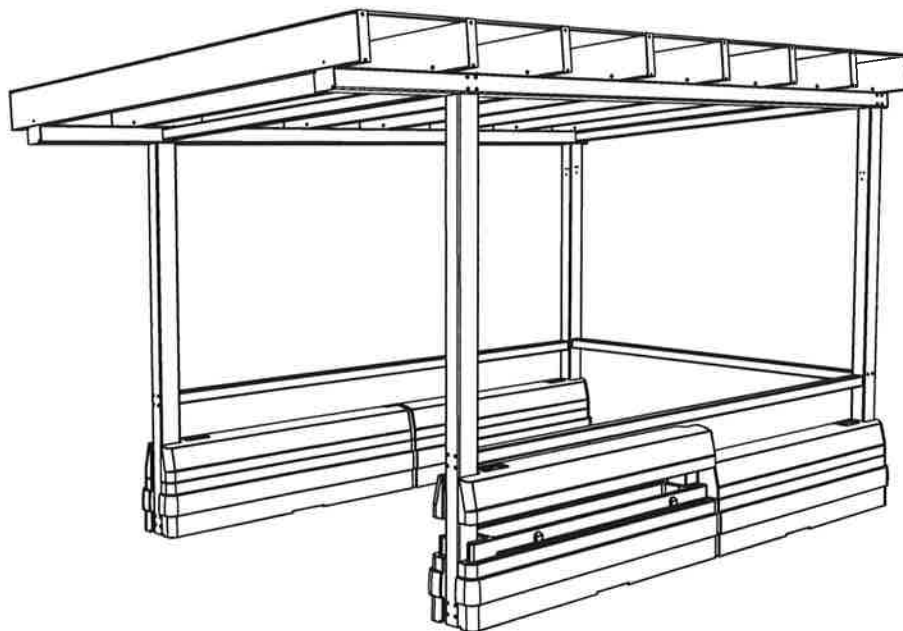
Remove lid caps from barriers by squeezing base where shown and pulling lid cap upwards. Slide barriers onto lower side rail and in between uprights. Slide -C- shape opening of barrier towards the vertical uprights until flush.



### Step 13: Ballasting with Pea Stone, Sand or Gravel

Make sure unit is square and that is positioned straight and parallel inside parking space. **IMPORTANT:** Ballast Cart Corral unit with sand, pea stone or gravel. Fill each barrier base with 300 pounds of sand, pea stone or gravel. The entire unit should be ballasted with a total weight of 1200 pounds. Balance the weight in each barrier by pouring along the entire length of barrier.

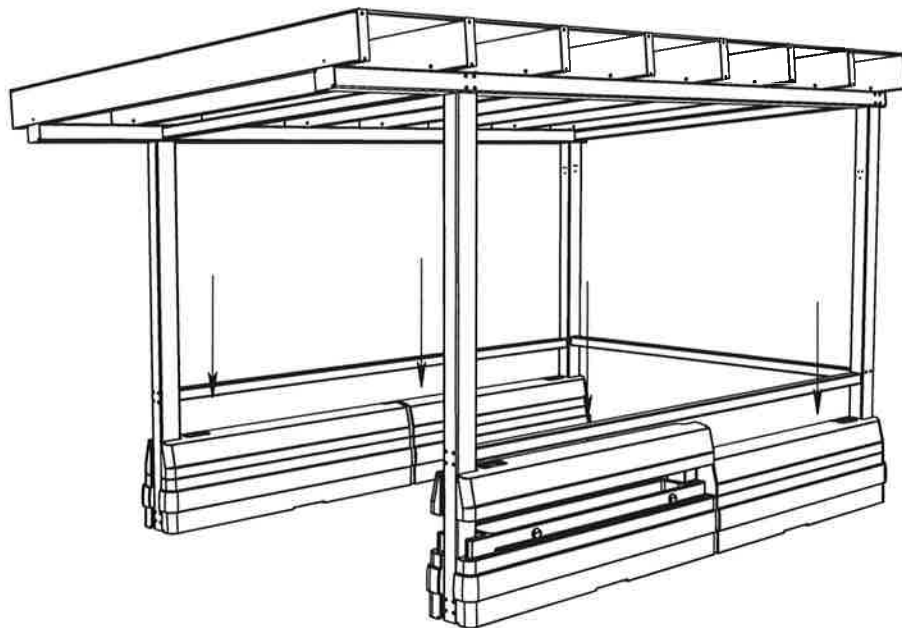
Note: Avoid compacting the material; this is not necessary.



#### Step 14: Installing the Plastic Barrier Lid Caps

Cover each barrier base with its own lid cap. Slide open -C- at the front of the lid caps into the vertical uprights. Locate lid cap on top of barrier base and push down until the sides of lid cap locks and sit flush with barriers base. Repeat step to the remaining lid caps.

**Important:** Make sure all lid caps are sitting flush with barriers and locked.



#### Step 15: Inspect and complete

Go over entire unit and make sure every hole has a screw except for the side and end panel holes on the vertical uprights.

**Your unit is now complete!**

