

**REQUIRED TOOLS:**

- Rotary Hammer Drill with SDS system
- 5/8" SDS Masonry Drill Bit
- 1/2" SDS Masonry Drill Bit
- Heavy hammer
- Deadblow Hammer
- Socket Wrench
- 15/16" Socket/wrench
- 9/16" Socket/wrench
- 7/32" Allen Bit
- 5/16" Allen Bit
- 5/32" Allen Bit
- Phillips Screw Driver (large)
- tape measure
- marker chalk/tape
- 6' or 8' ladder
- cleaning cloths with automotive detailer

REVISIONS			
REV.	DESCRIPTION	DATE	REV'D BY
A	Initial Release	7/5/2023	A. Salzman
B	Updated Water Clearances	3/14/2025	A. Salzman
C	Updated Launch Pad, Updated Struts	6/8/2025	A. Salzman
D	General updates	6/30/2025	A. Salzman

DESIGN



P.O. BOX 530  
Frederick, MD 21705

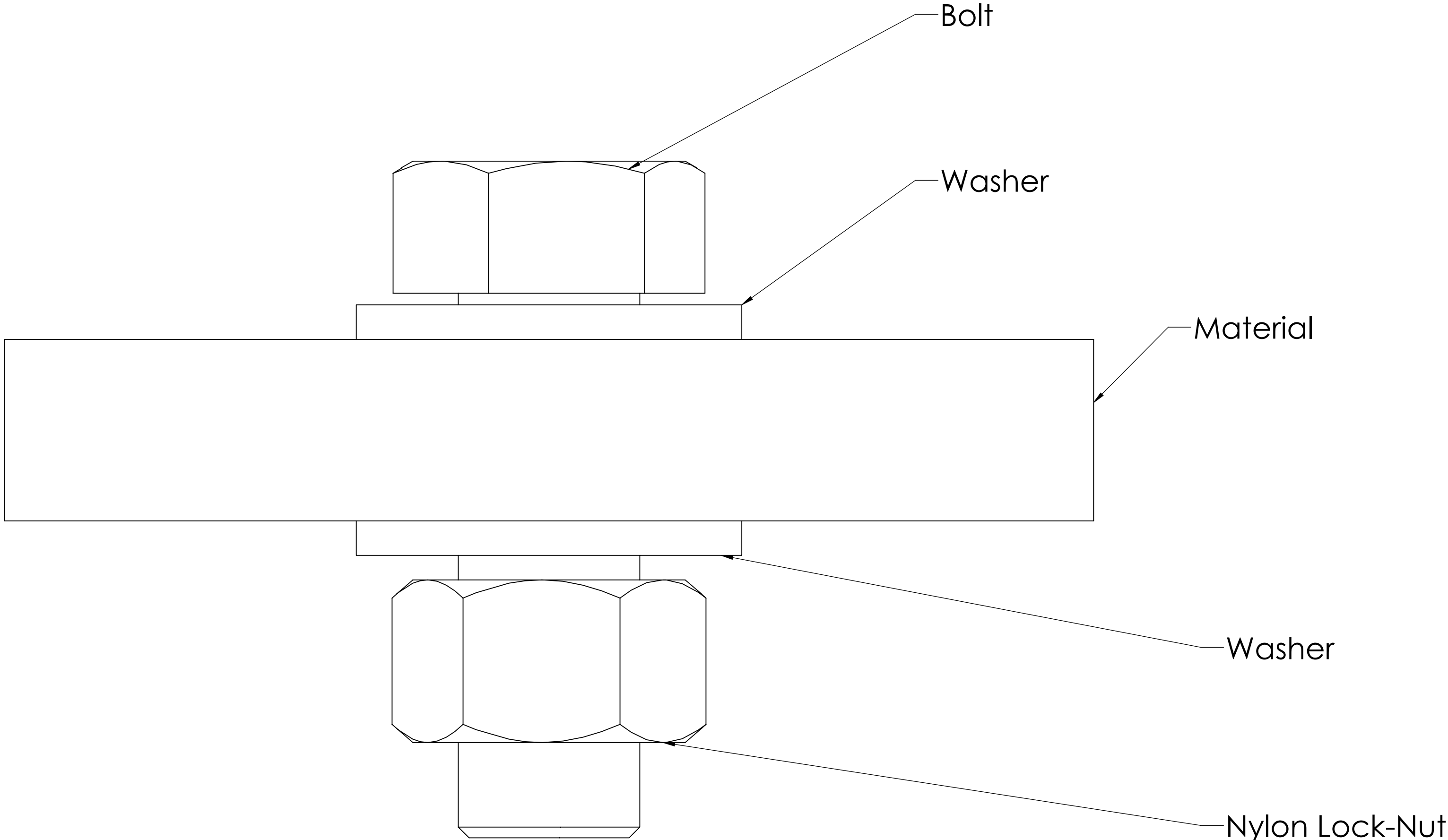
PHONE: +1 800.956.6692  
FAX: +1 240.575.6020  
EMAIL: info@poolsideadventures.com

**AquaZip'n V3.2 Installation Guide and Operations Manual**


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	DRAWN	A. SALZMAN		
	CHECKED			
	ENGINEERED			
	COMMENTS:	-NONE-		





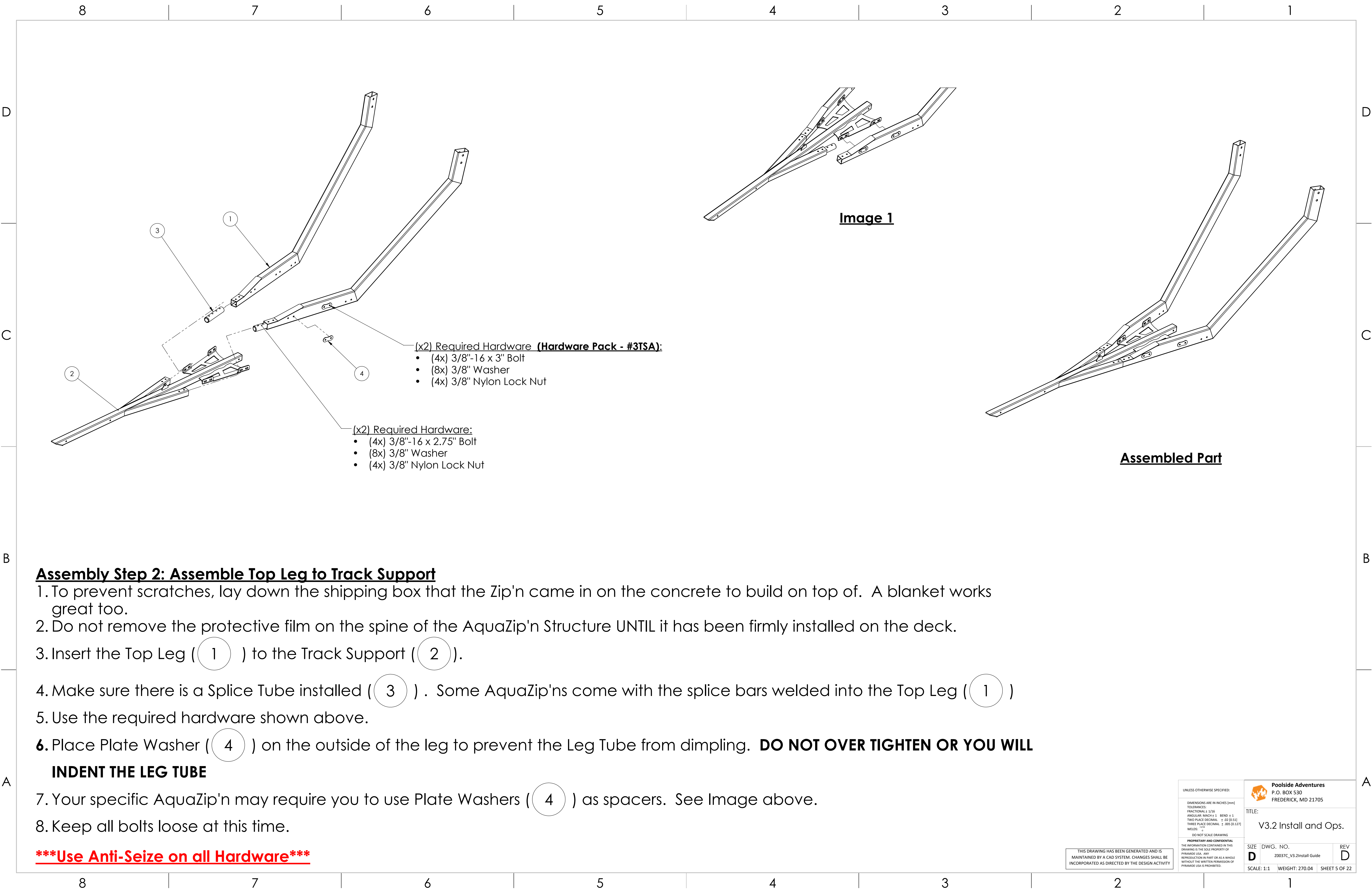
# Typical Hardware Install Reference

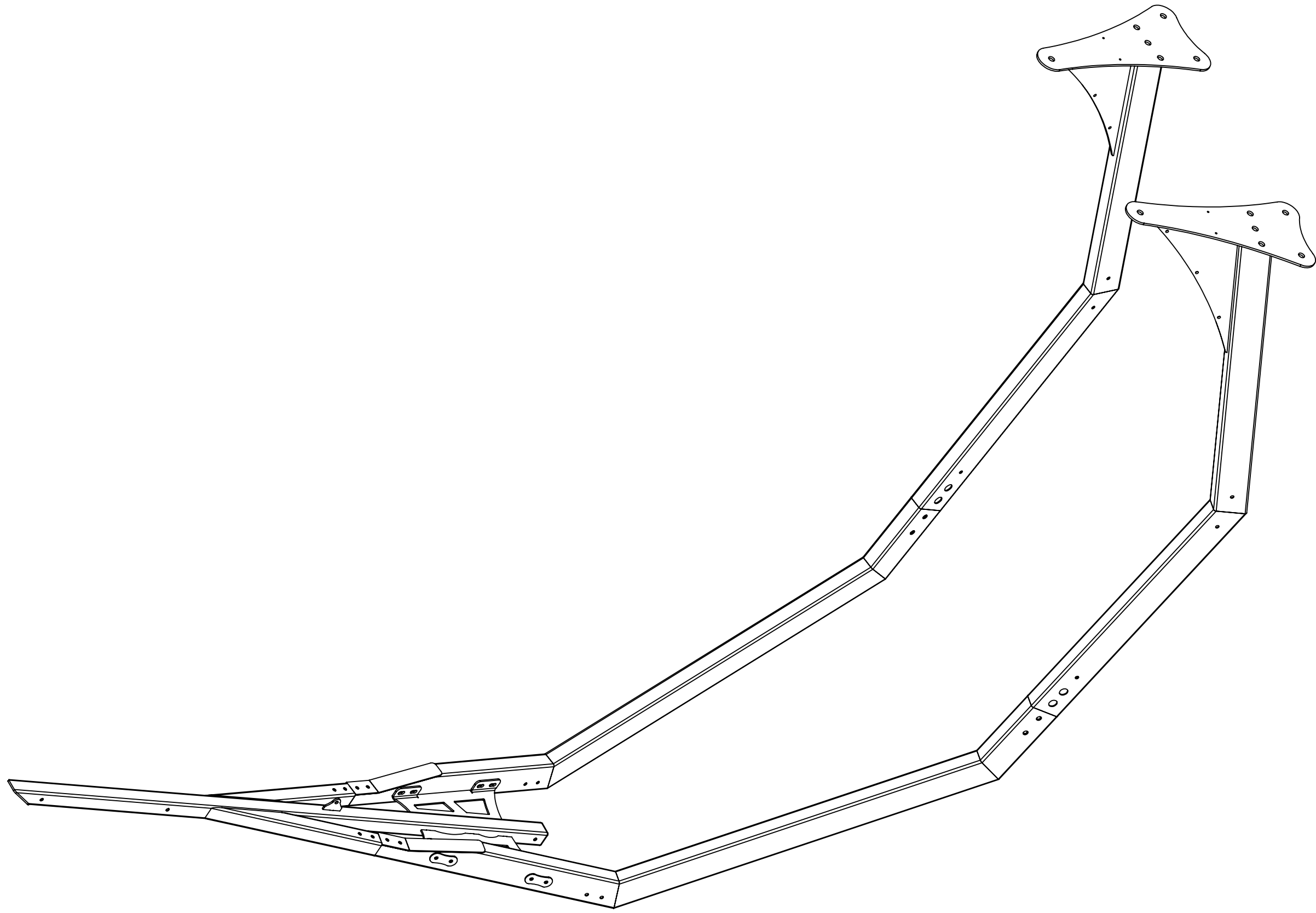
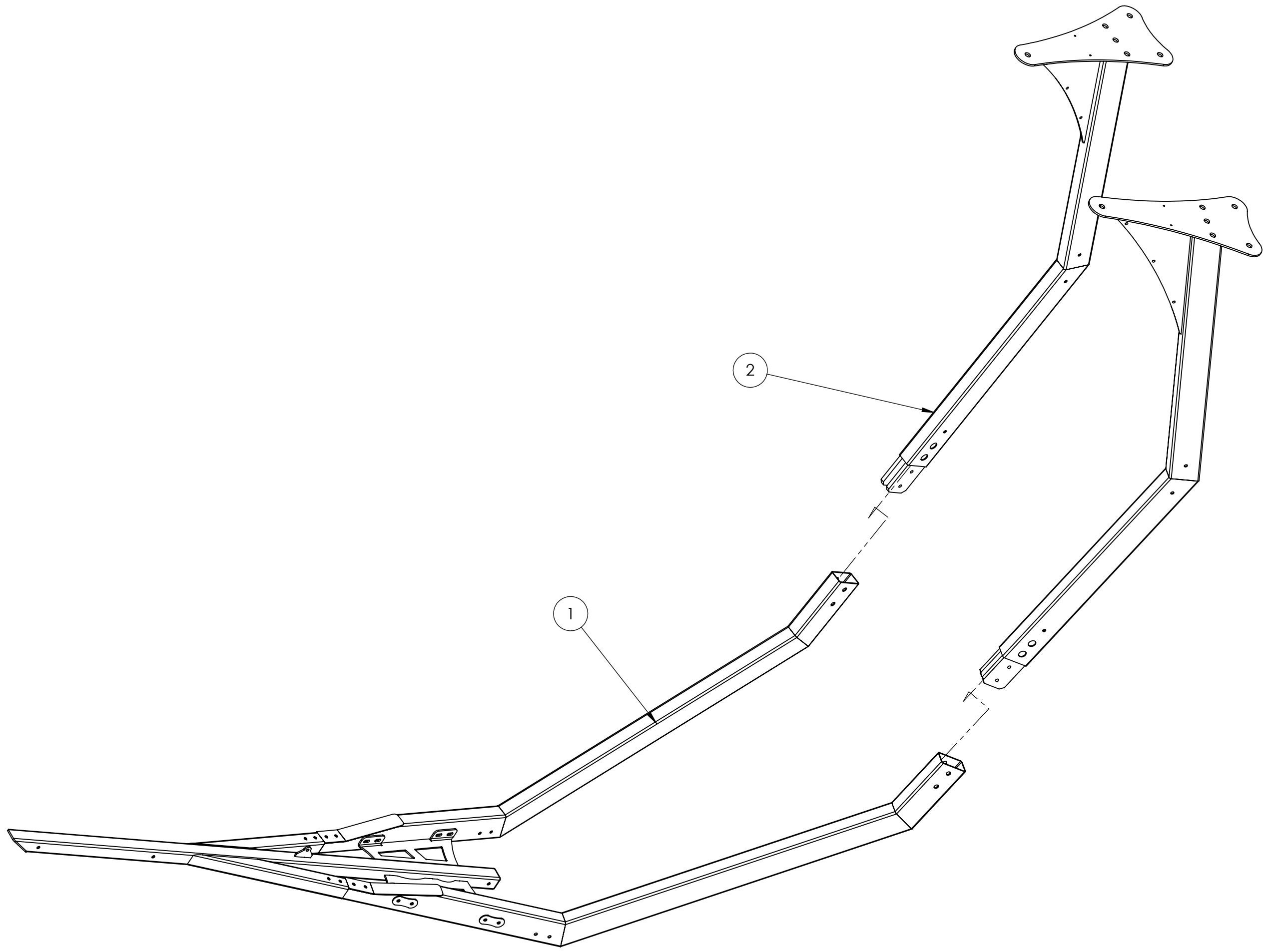
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**Assembled Part**

**Assembly Step 3: Assemble Each Leg**

- 1. Insert the Bottom Leg ( 2 ) into the Top Leg ( 1 ).
- 2. Do not install any hardware at this time.

**\*\*\*Use Anti-Seize on all Hardware\*\*\***

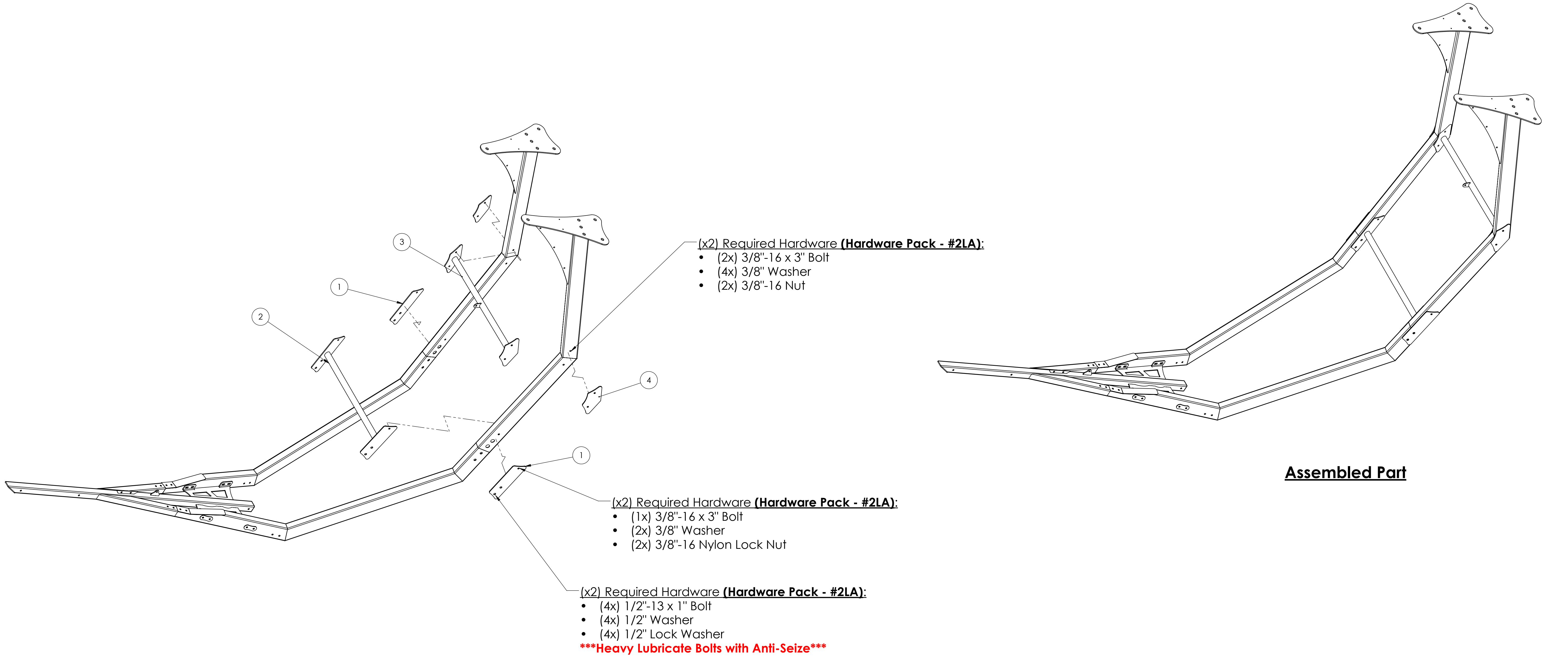
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REV  
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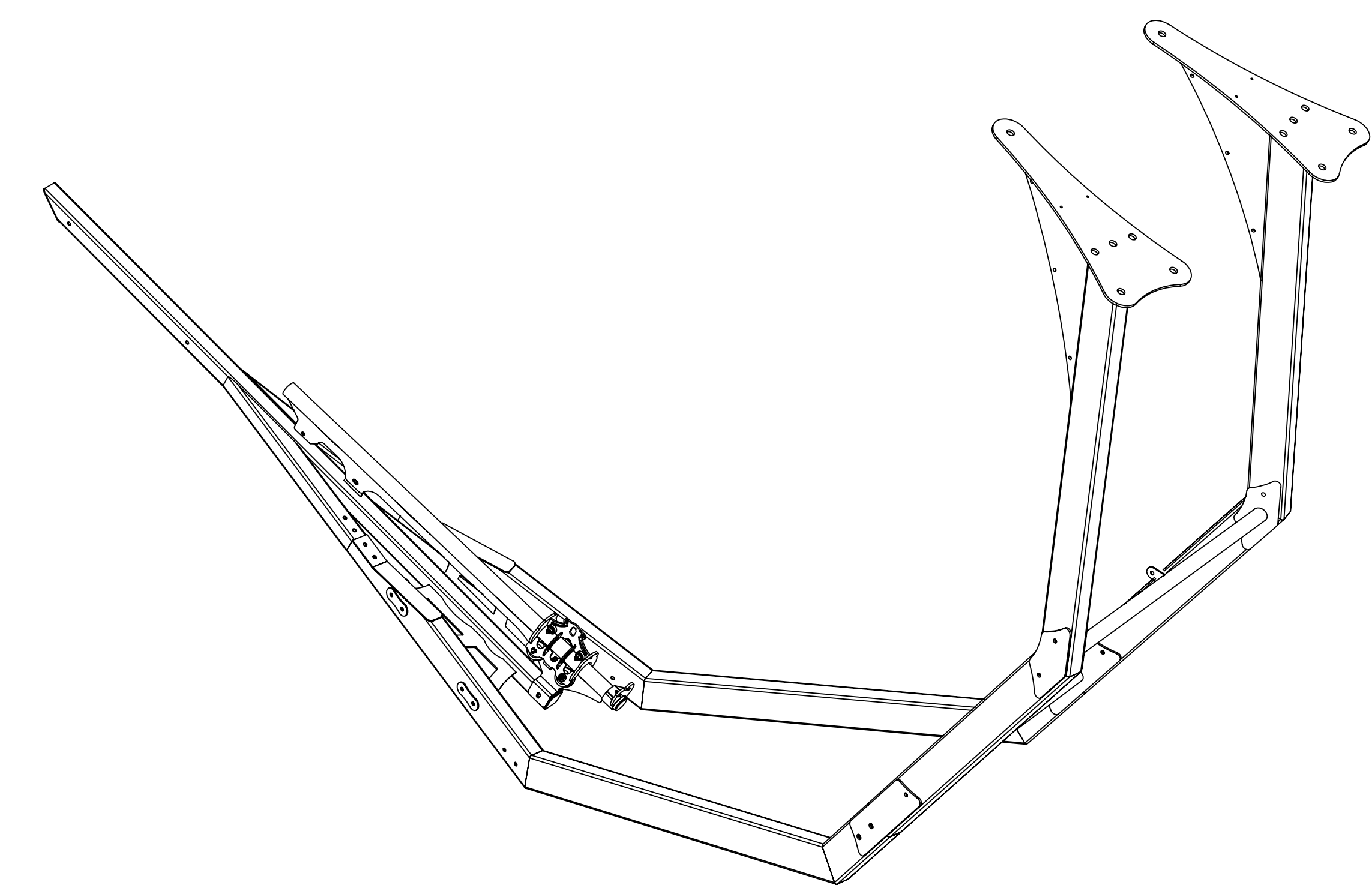
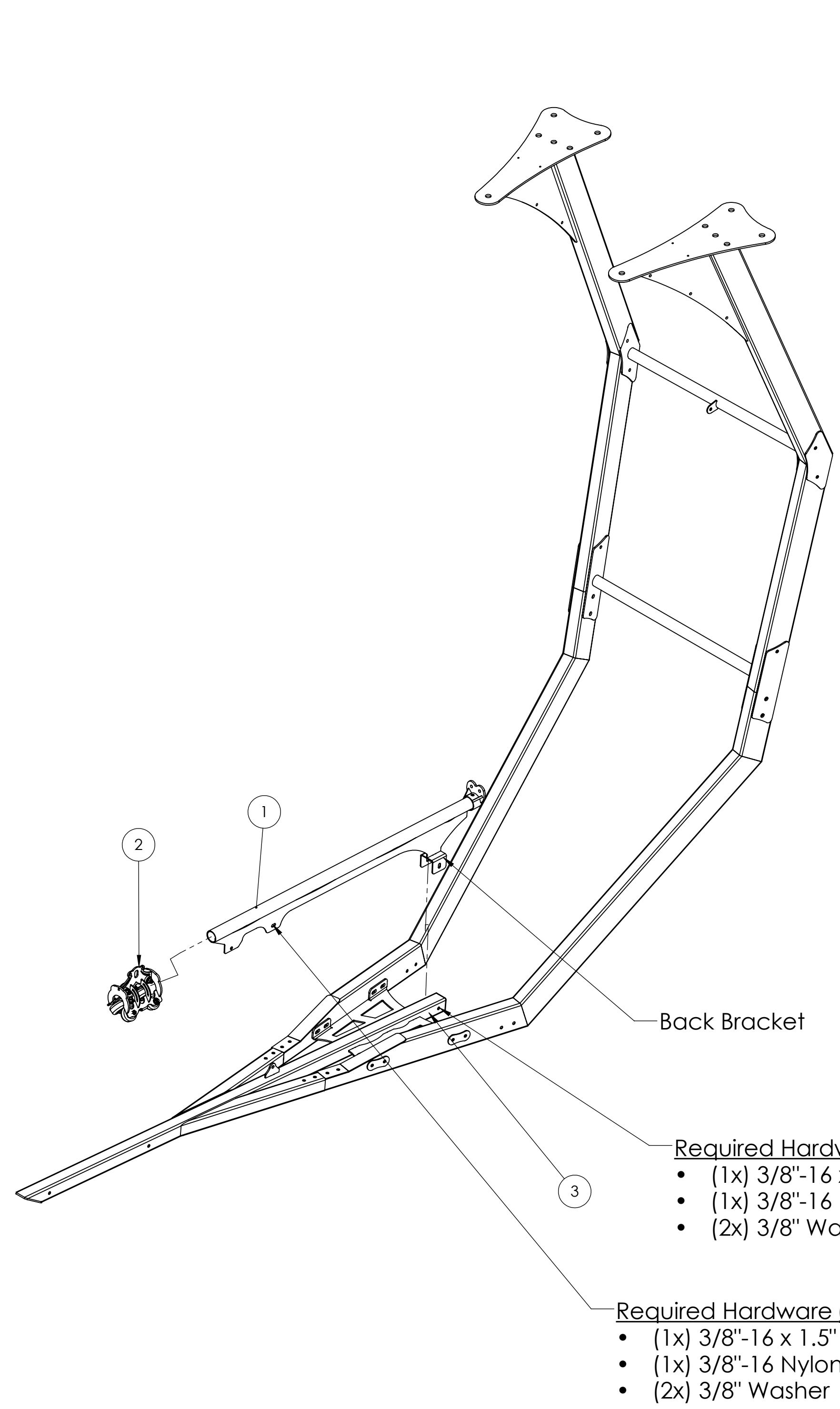
**Assembly Step 4: Install the Cross-Braces**

1. Install the cover plates ( 1 ) first. Use the required hardware shown above.
- 2.** Install Middel Cross Brace ( 2 ) next. Use the required hardware shown above. **Heavy Lubricate the 1/2" bolts with anti-seize.**
3. Install Bottom Cross Brace ( 3 ) and cover plate ( 4 ) last
- 4. The holes have very tight tolerances on purpose. You made need to use a 1/2"-13 tap (supplied) to tap through the holes in the legs, cover plate and brace for the 1/2" bolts to securely install. To do this line up the leg holes, cover plates, and braces and tap through all three at the same time.**
5. Be careful not to overtighten bolts to cause excessive in-denting on the leg tubes.
6. Keep all bolts loose at this time until all braces are installed.

**\*\*\*Use Anti-Seize on all Hardware\*\*\***

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**Assembled Part**

**Assembly Step 5: Install the Track #1 and Trolley**

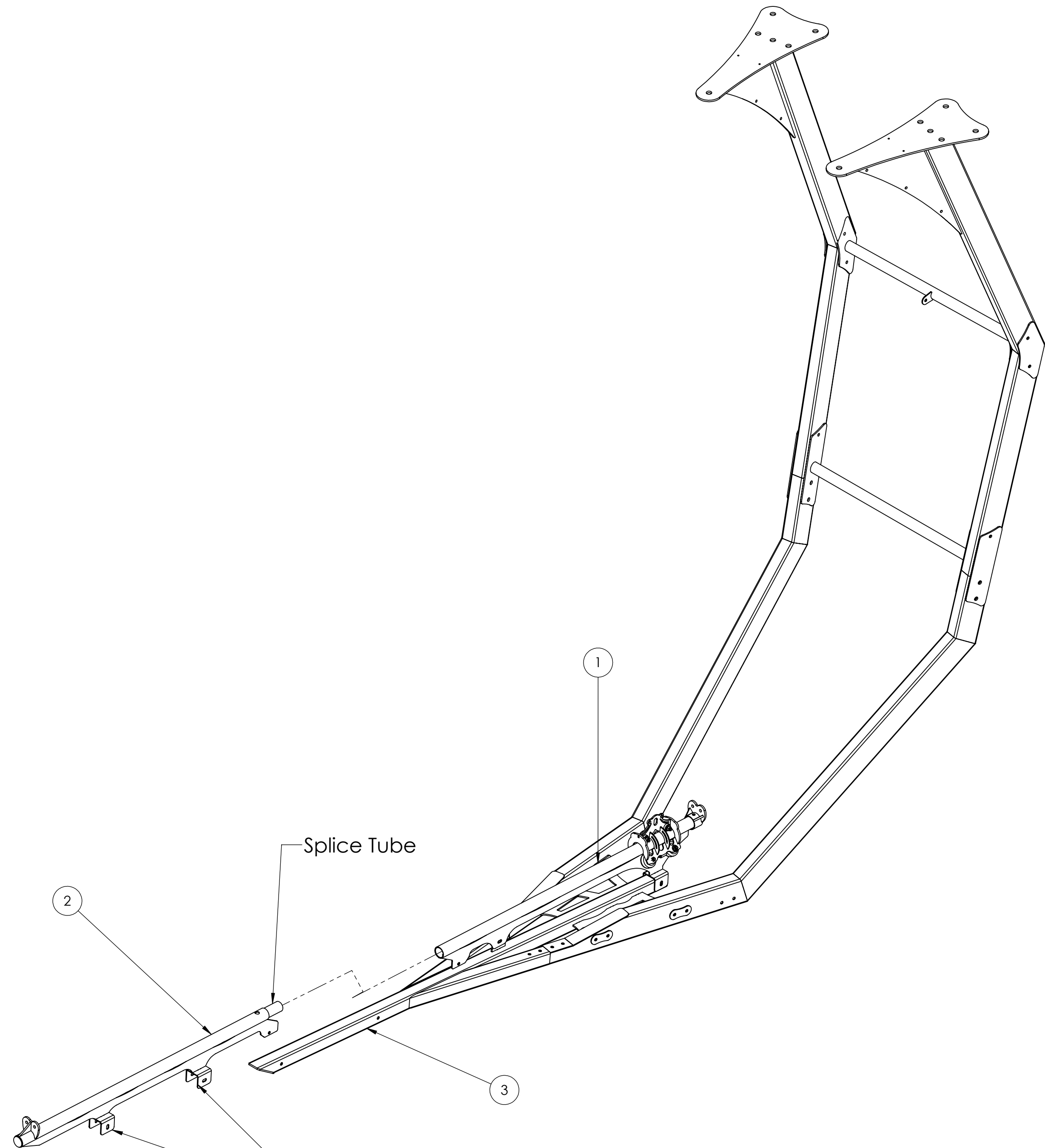
1. Install the Track #1 ( 1 ) onto the Track Support ( 3 ). Use the required hardware shown above. **Only install the back bracket on the Track for now.**
2. Slide the Trolley ( 2 ) onto the track. **If your trolley has a bash plate, make sure the bash plate on the trolley is facing towards the front end of the Zip'n.**

**\*\*\*Use Anti-Seize on all Hardware\*\*\***

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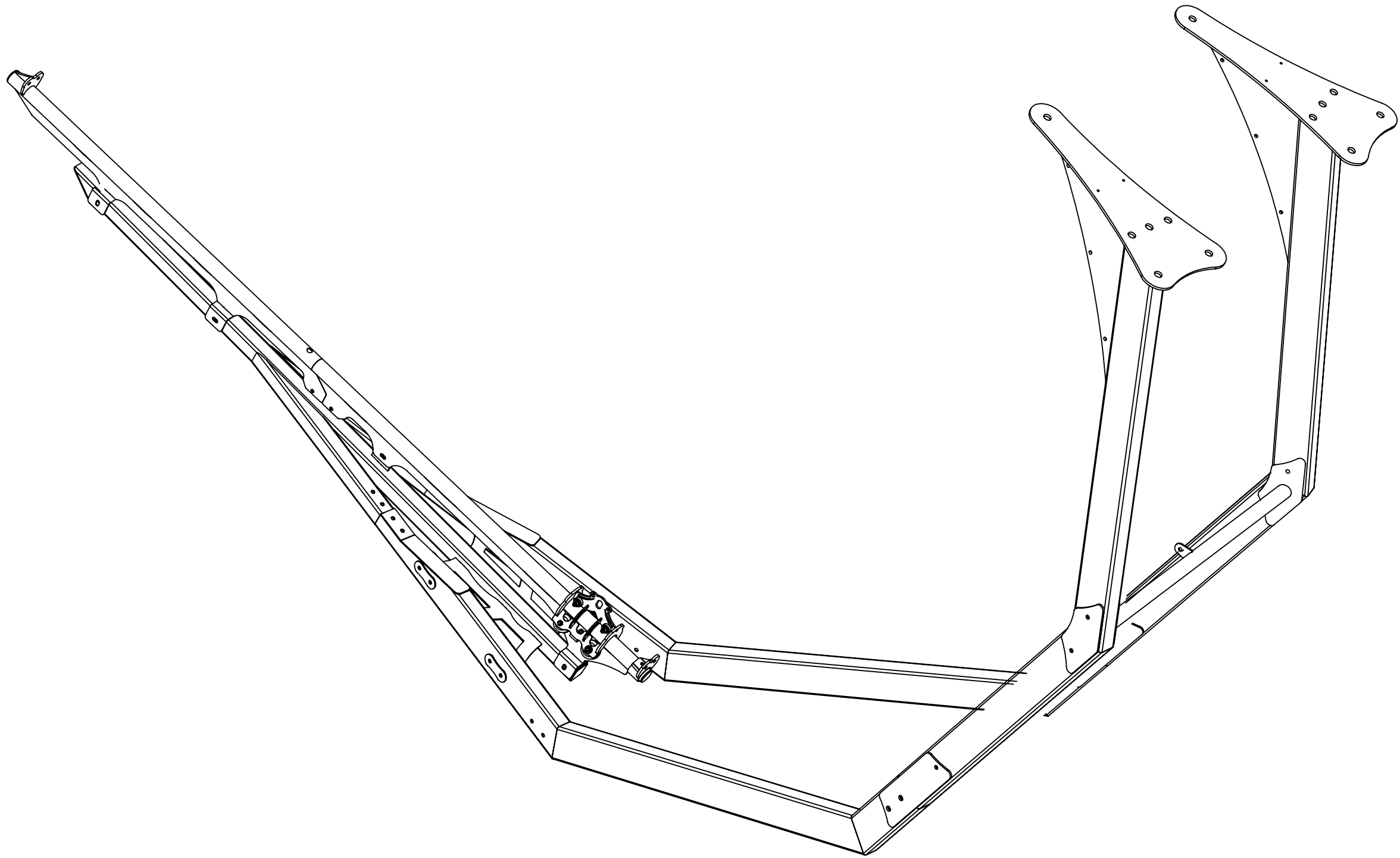


- (2x) Required Hardware (**Hardware Pack - #4TA**):
- (1x) 3/8"-16 x 3" Bolt
  - (1x) 3/8"-16 Nylon Lock Nut
  - (2x) 3/8" Washer

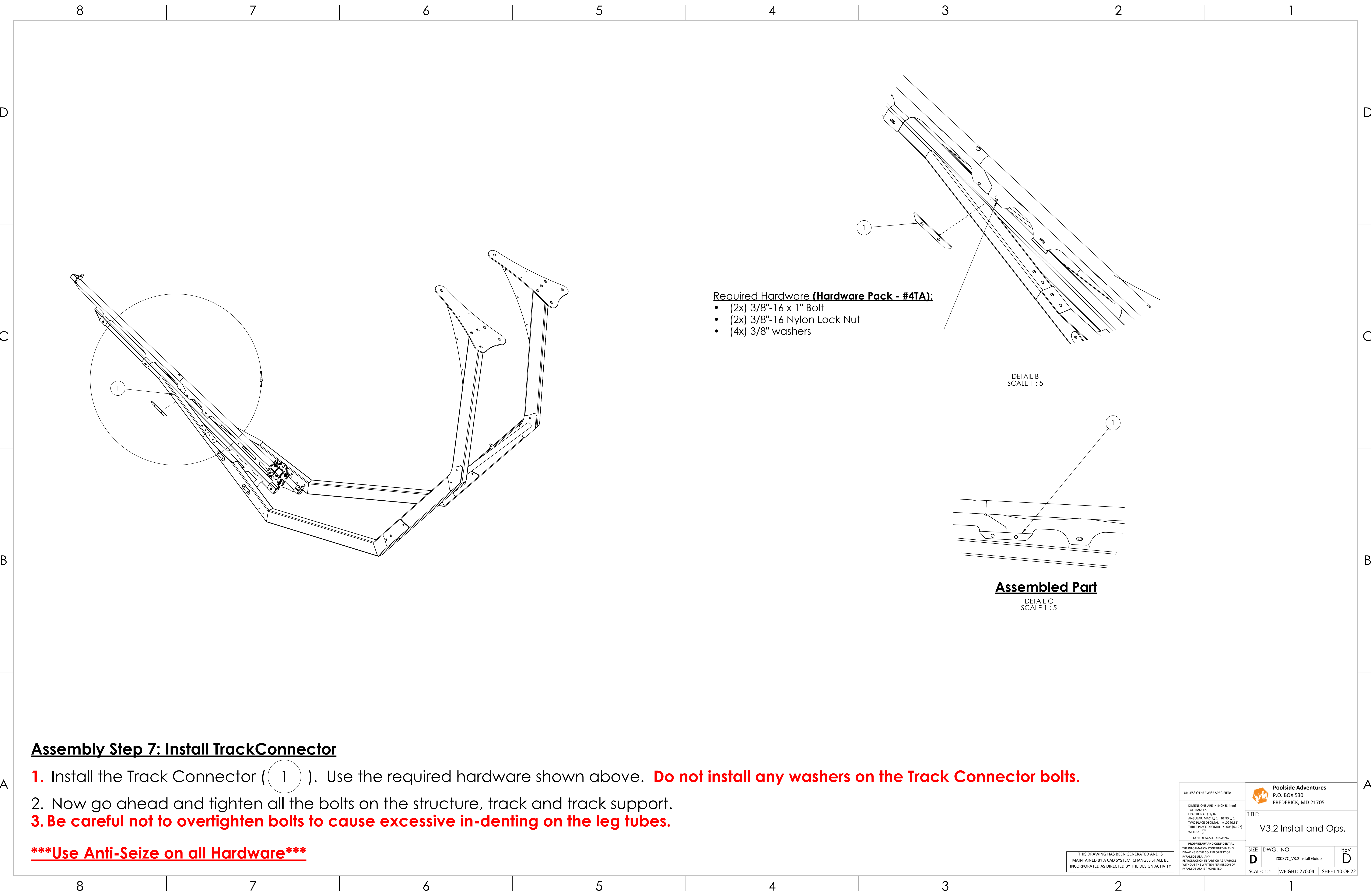
**Assembly Step 6: Install Track #2**

1. Lightly grease the splice tube for ease of insertion.
2. Slightly pivot up Track #1 ( 1 ) and install the Track #2 ( 2 ) onto the Track #1 ( 1 ) by sliding it inside of the Track #1 pipe.  
You may need to use a rubber mallet to gently seat the two halves.
3. Attach Track #1 ( 1 ) and Track #2 ( 2 ) to the Track Support ( 3 ). Use the required hardware shown above.
4. Keep bolts loose for now.

**\*\*\*Use Anti-Seize on all Hardware\*\*\***



**Assembled Part**




**Assembly Step 7: Install TrackConnector**

1. Install the Track Connector ( 1 ). Use the required hardware shown above. **Do not install any washers on the Track Connector bolts.**
2. Now go ahead and tighten all the bolts on the structure, track and track support.
- 3. Be careful not to overtighten bolts to cause excessive in-denting on the leg tubes.**

**\*\*\*Use Anti-Seize on all Hardware\*\*\***

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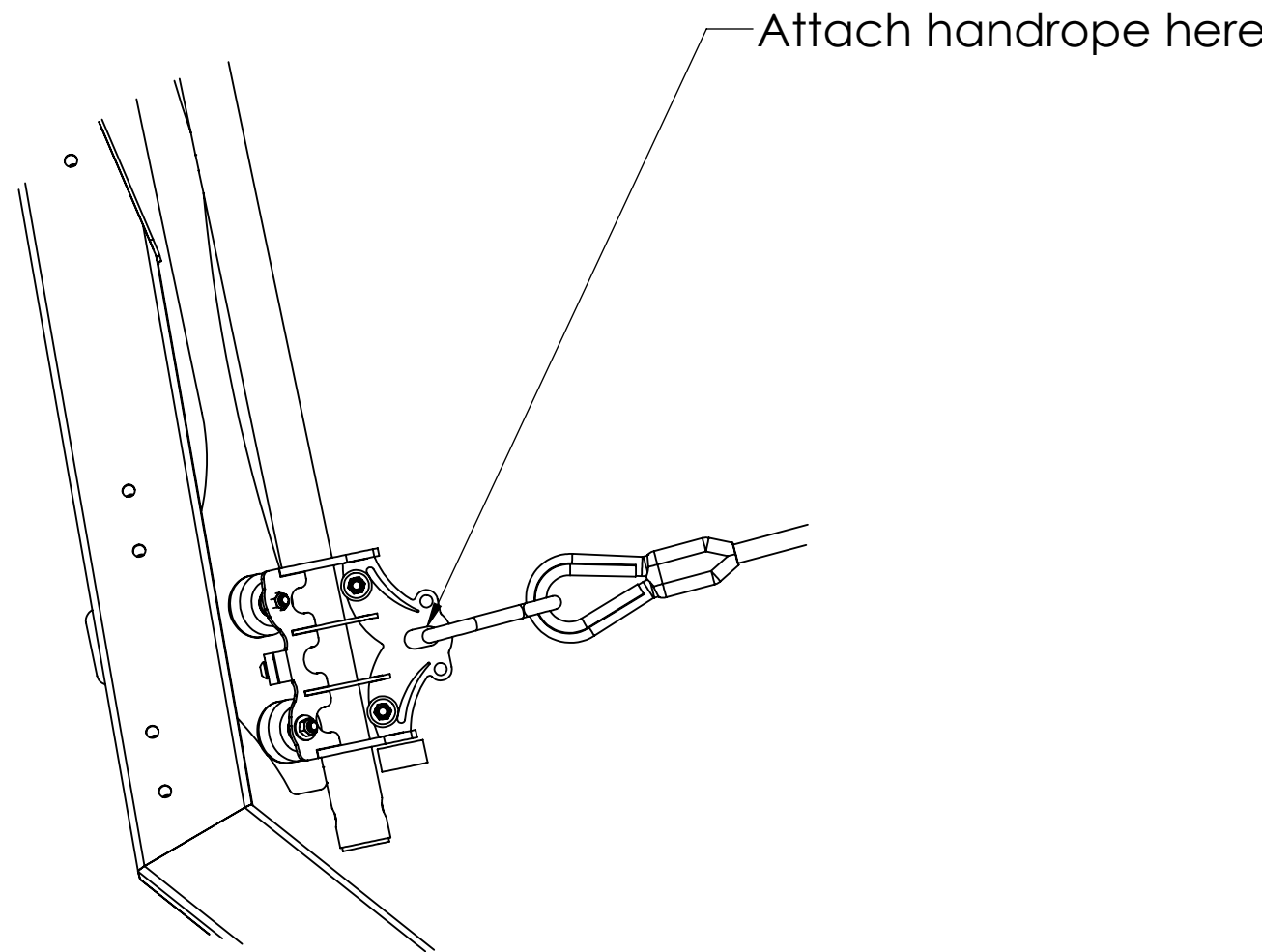
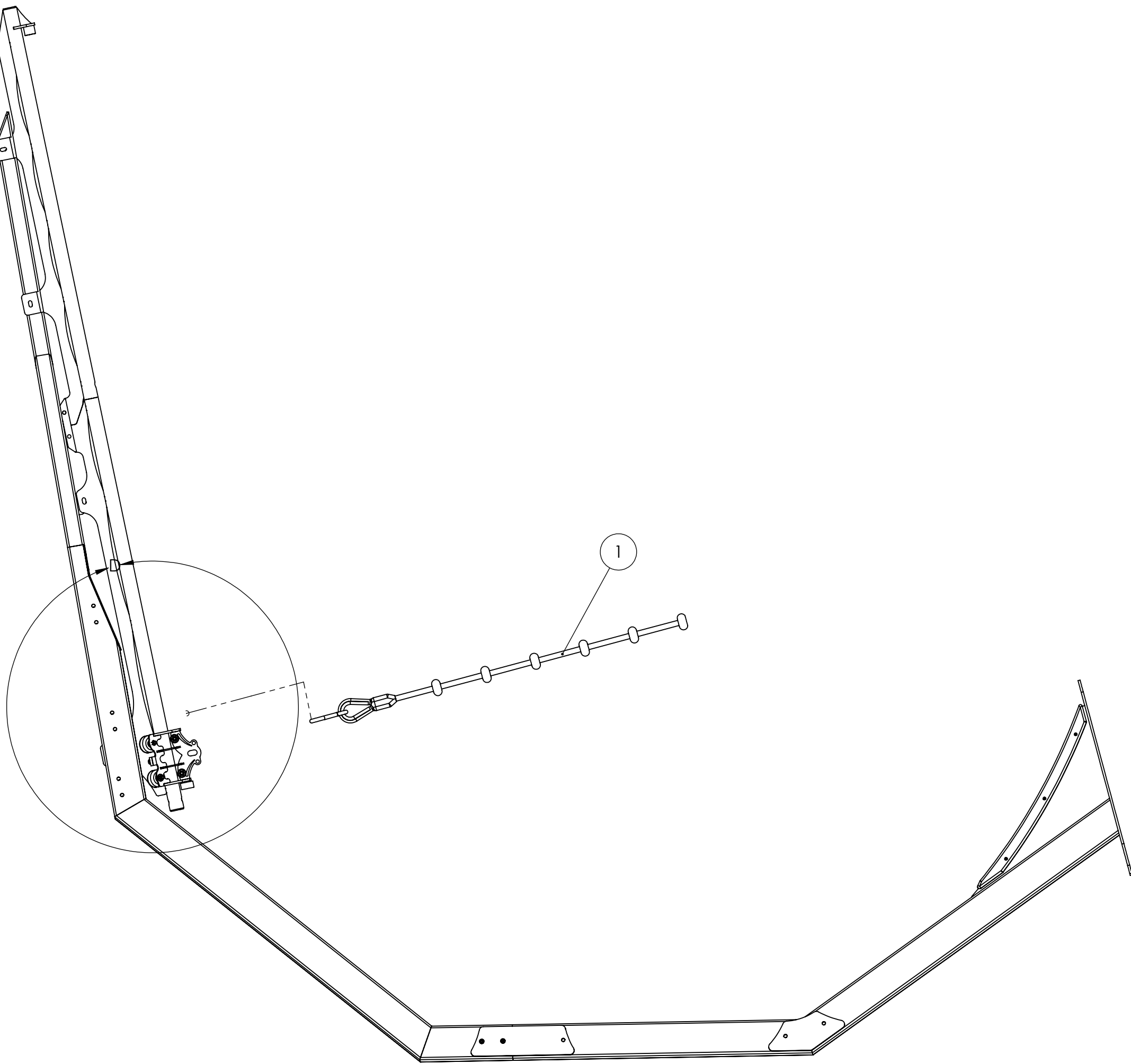
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SCALE: 1:1 WEIGHT: 270.04 SHEET 10 OF 22



**Assembled Part**

DETAIL E  
SCALE 1 : 6

**Assembly Step 8: Install the Handrope**


- 1. Install the Handrope ( 1 ) by attaching it to the large hole in the trolley.
- 2. Make sure you do this before moving on to the next step or the trolley will be difficult to maneuver.

**\*\*\*Use Anti-Seize on all Hardware\*\*\***

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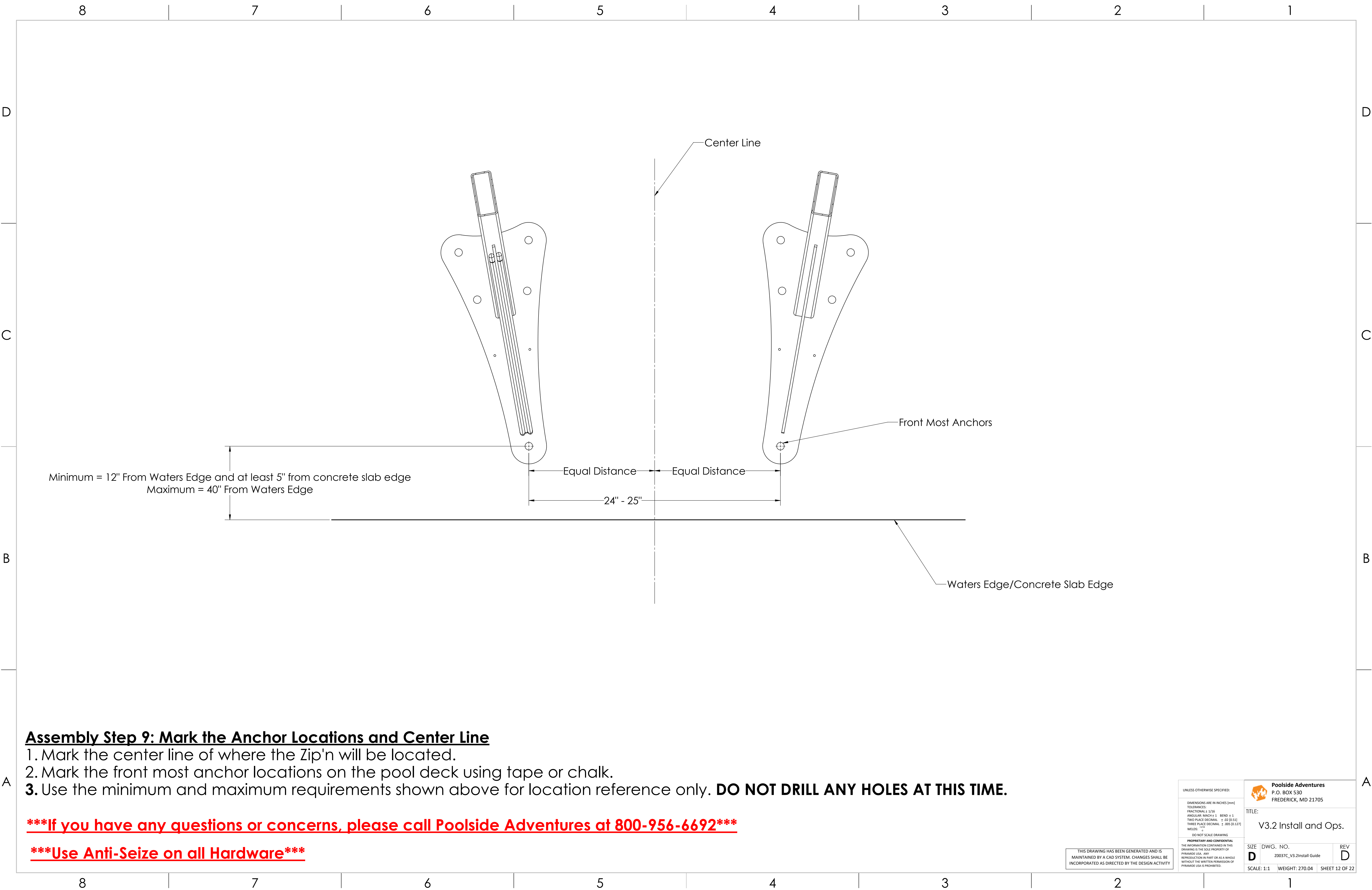
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**Assembly Step 9: Mark the Anchor Locations and Center Line**

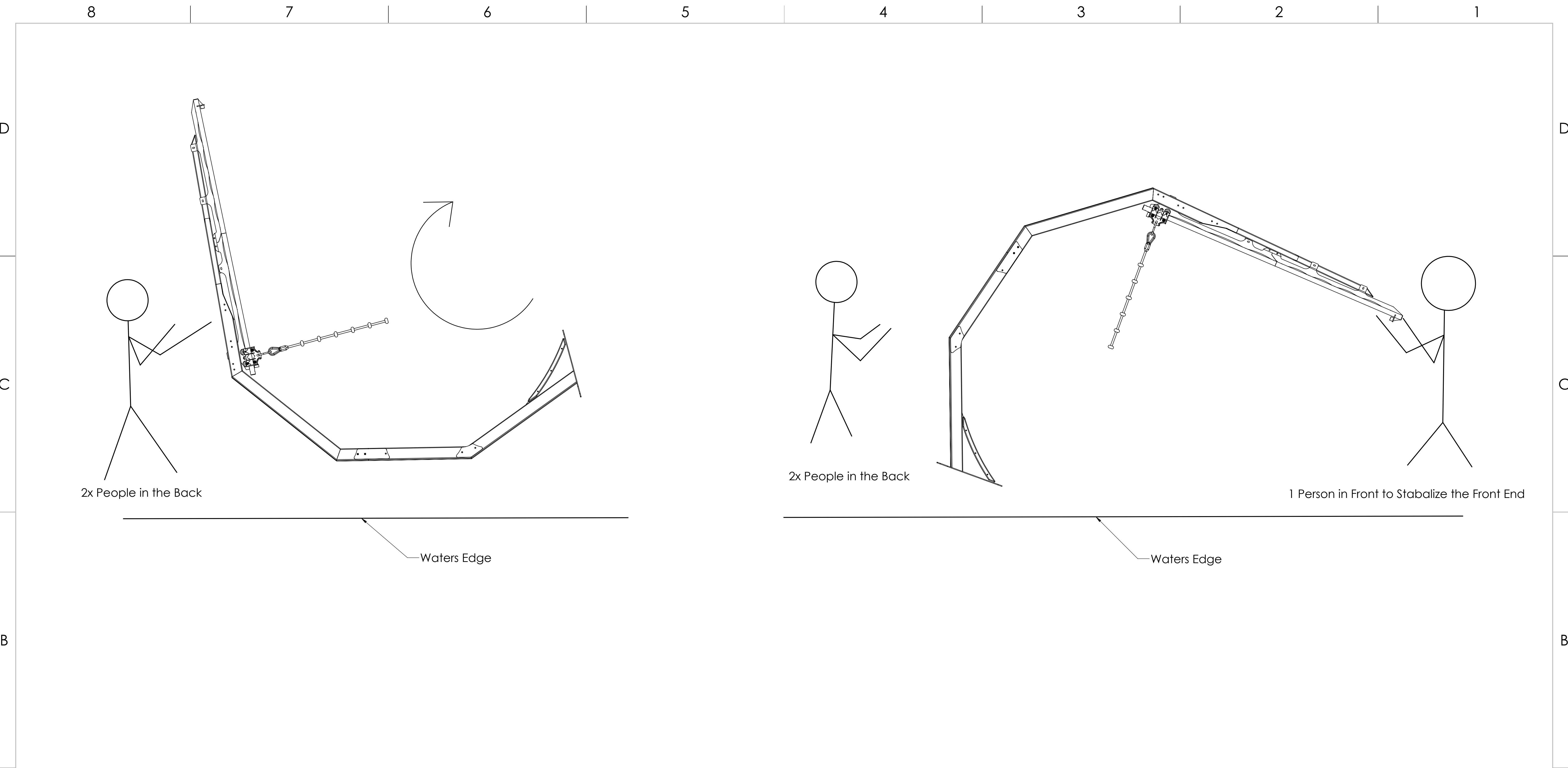
1. Mark the center line of where the Zip'n will be located.
2. Mark the front most anchor locations on the pool deck using tape or chalk.
3. Use the minimum and maximum requirements shown above for location reference only. **DO NOT DRILL ANY HOLES AT THIS TIME.**

**\*\*\*If you have any questions or concerns, please call Poolside Adventures at 800-956-6692\*\*\***

**\*\*\*Use Anti-Seize on all Hardware\*\*\***

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**Assembly Step 10: Roll the Zip'n Upright**


1. You will need at least 3 people for this step.
2. While laying on its backside, move the Zip'n into positon - ideally you want it located parrell with the waters edge.
3. Next, have 2 people roll the Zip'n upright from the back while a third person stands in front and supports the end of the track once its upright.
4. Once it is upright, slowly rotate the Zip'n into position out over the water and over your marked anchor locations. Have 2 people continue to hold the Zip'n upright at each leg.

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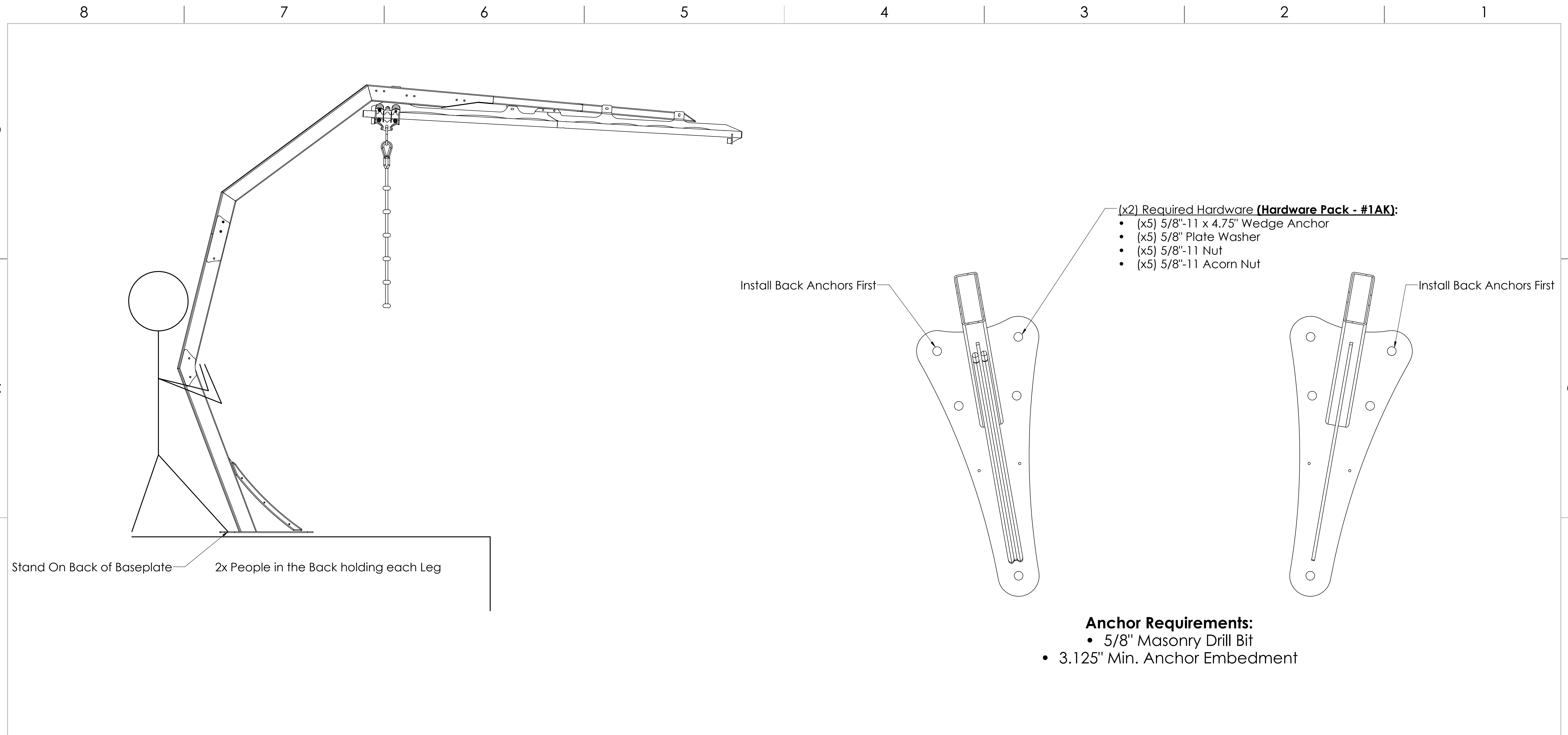
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SCALE: 1:1 WEIGHT: 270.04 SHEET 13 OF 22



**Assembly Step 11: Install The Anchors**

1. Have 2 people hold the Zip'n upright, by putting feet on the base plates from behind and holding the leg tubes.
2. Have the 3rd person drill the holes, using the base plates as drilling templates.
3. Install a single back anchor first.
4. Using a 5/8" drill bit, drill holes to a minimum embedment of 3.5". Anchors must be embed a minimum of 3.5" into structural concrete.
5. Blow out the hole to ensure all dust is out.
6. Install a anchor by firmly taping it with a hammer into place and tightening the nut down to **60 ft-lbs.** Use the required hardware shown above.
7. Repeat steps 1-6 for the remaining anchors.

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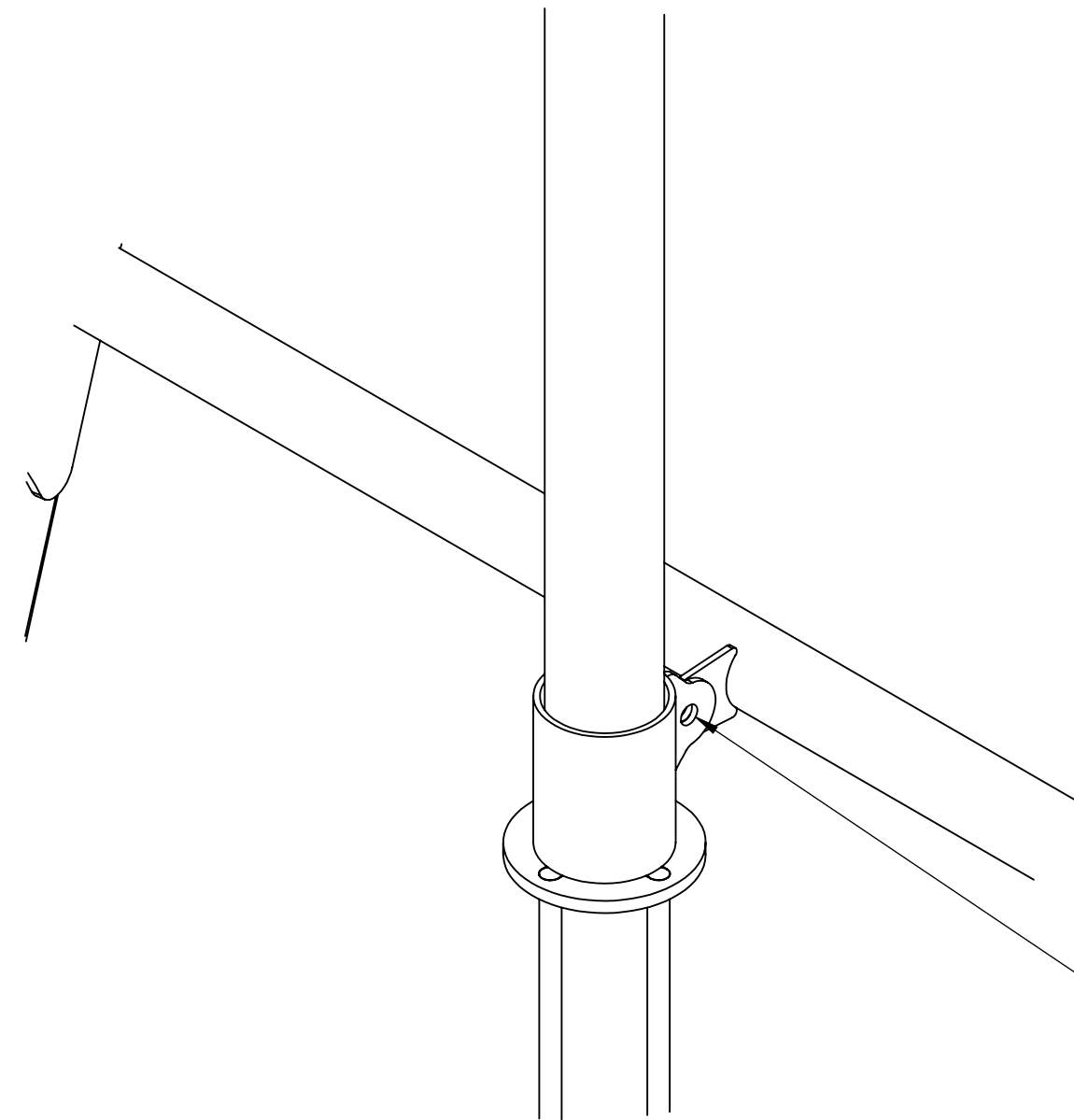
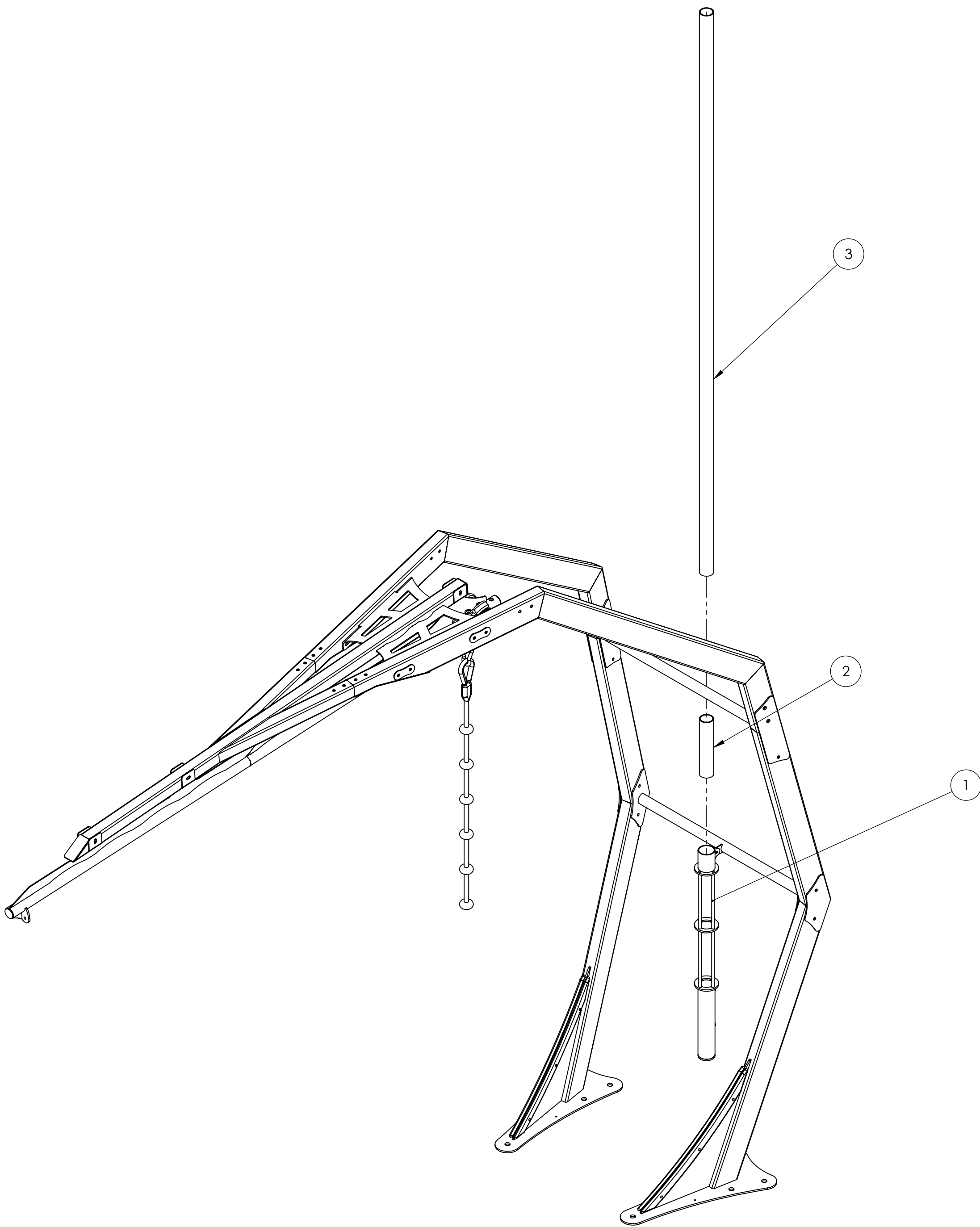
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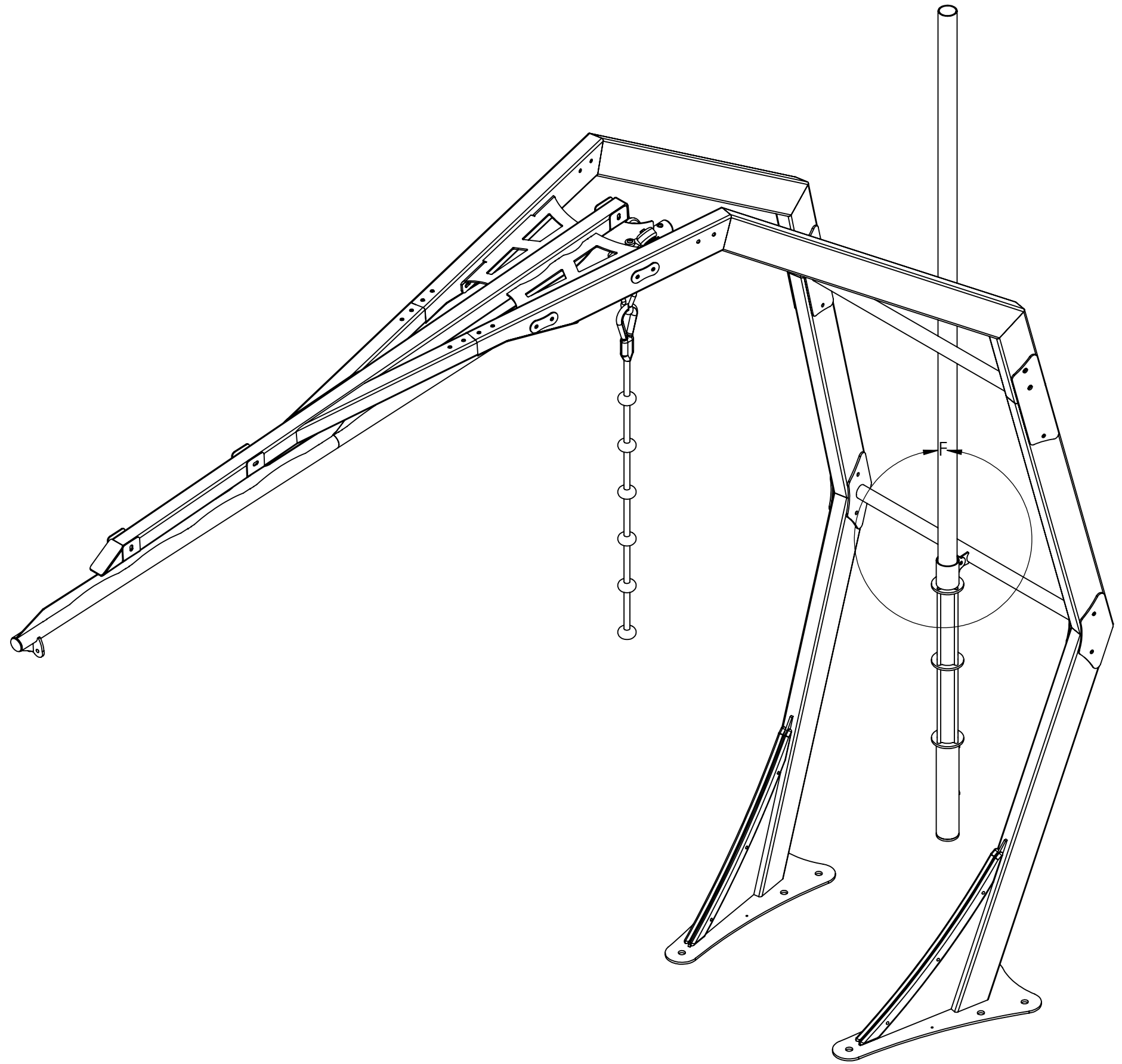
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**DETAIL F**  
SCALE 1 : 3



**Assembled Part**

**Required Hardware (Hardware Pack - #5R) :**

- (1x) 3/8"-16 x 1.25" Bolt
- (2x) 3/8"" Washer
- (1x) 3/8" Nylon Lock Nut

**Assembly Step 12: Install the Lower Retraction Bracket and Retraction Tubes**

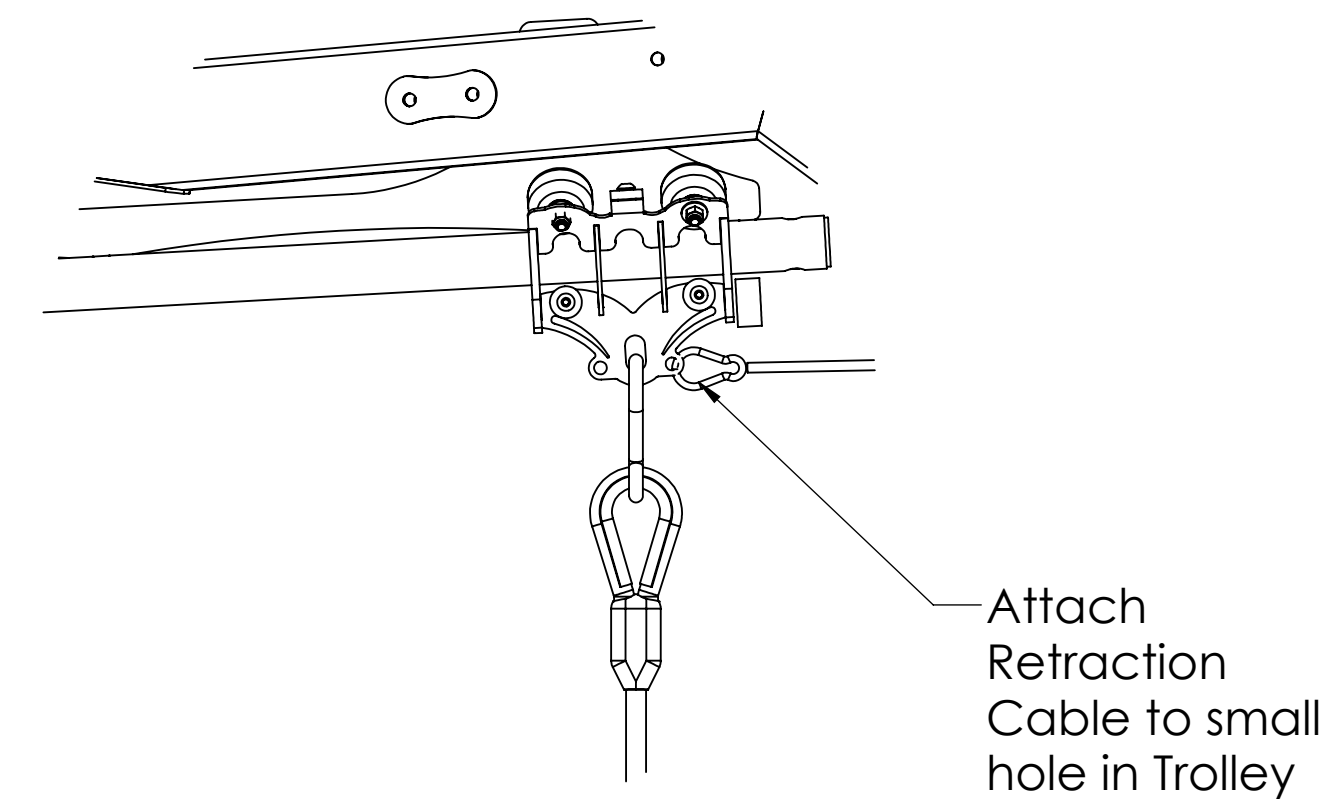
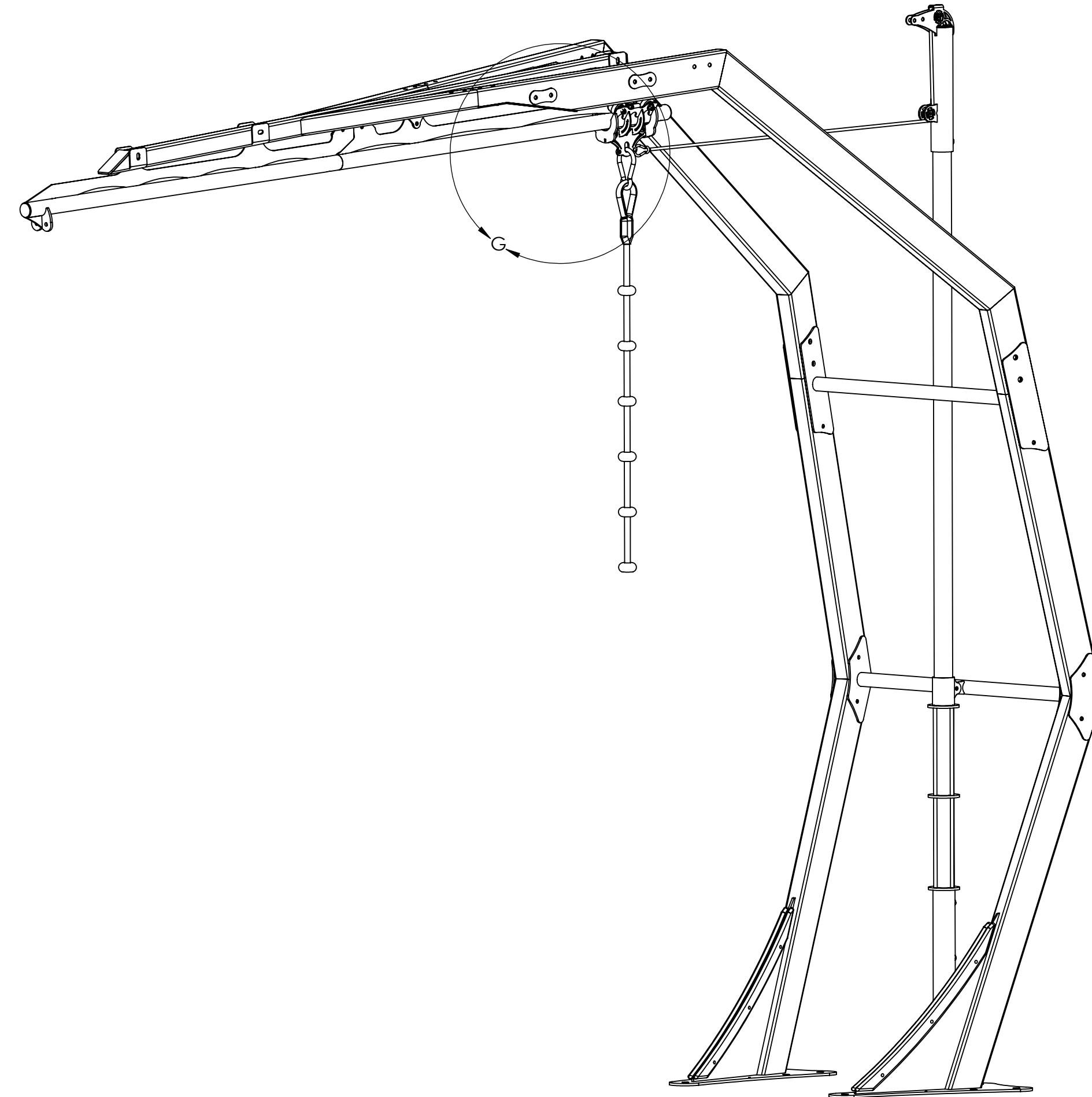
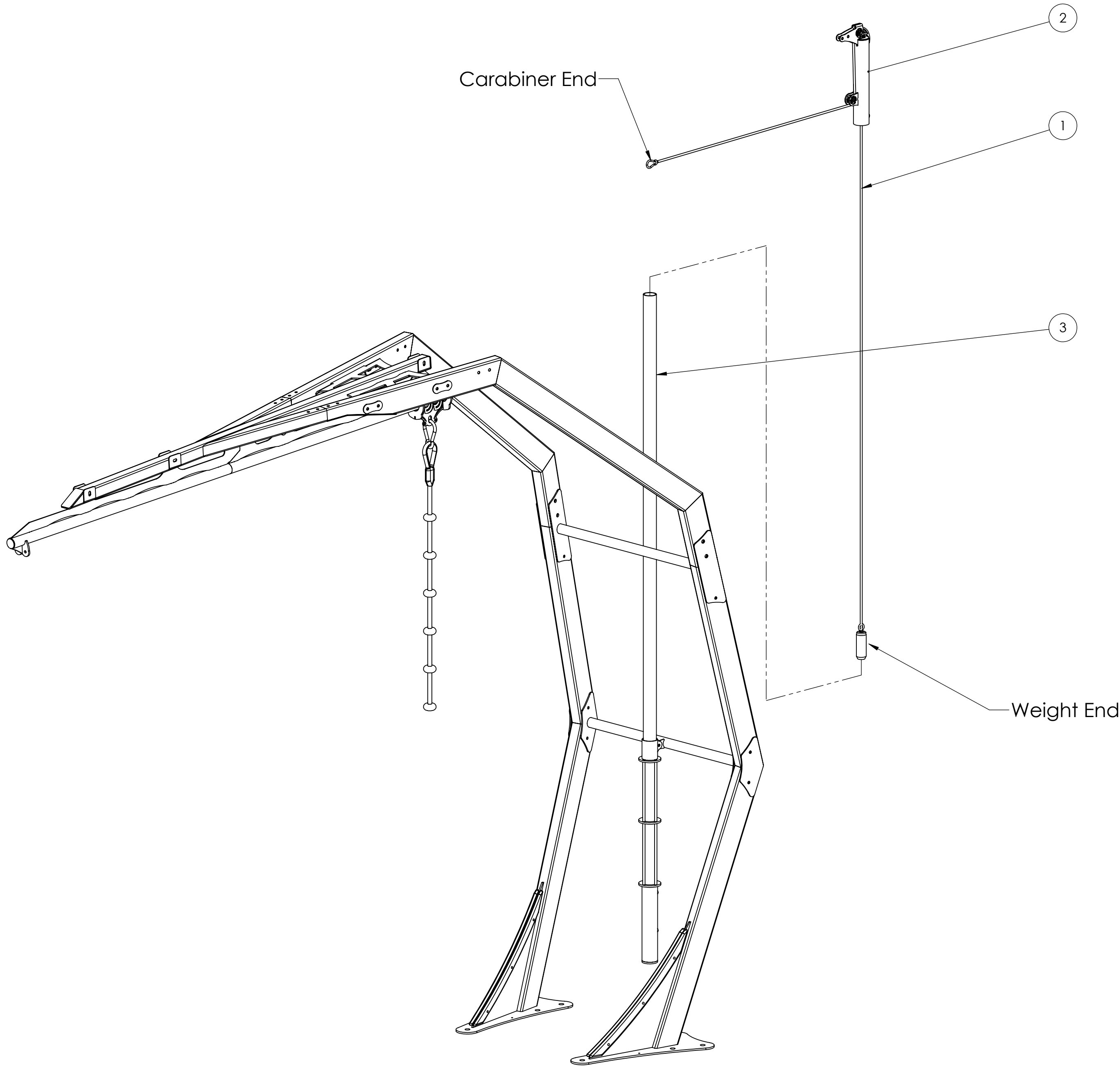
1. Install the Lower Retraction Bracket ( 1 ). Use the required hardware shown above.

**2. It is important to only install one bolt, the bottom bolt, so that the Retraction Bracket is able to pivot with the movement of the system. Tighten the bolt just enough so there is no rattle but the bracket can still pivot. See the Detail F aove.**

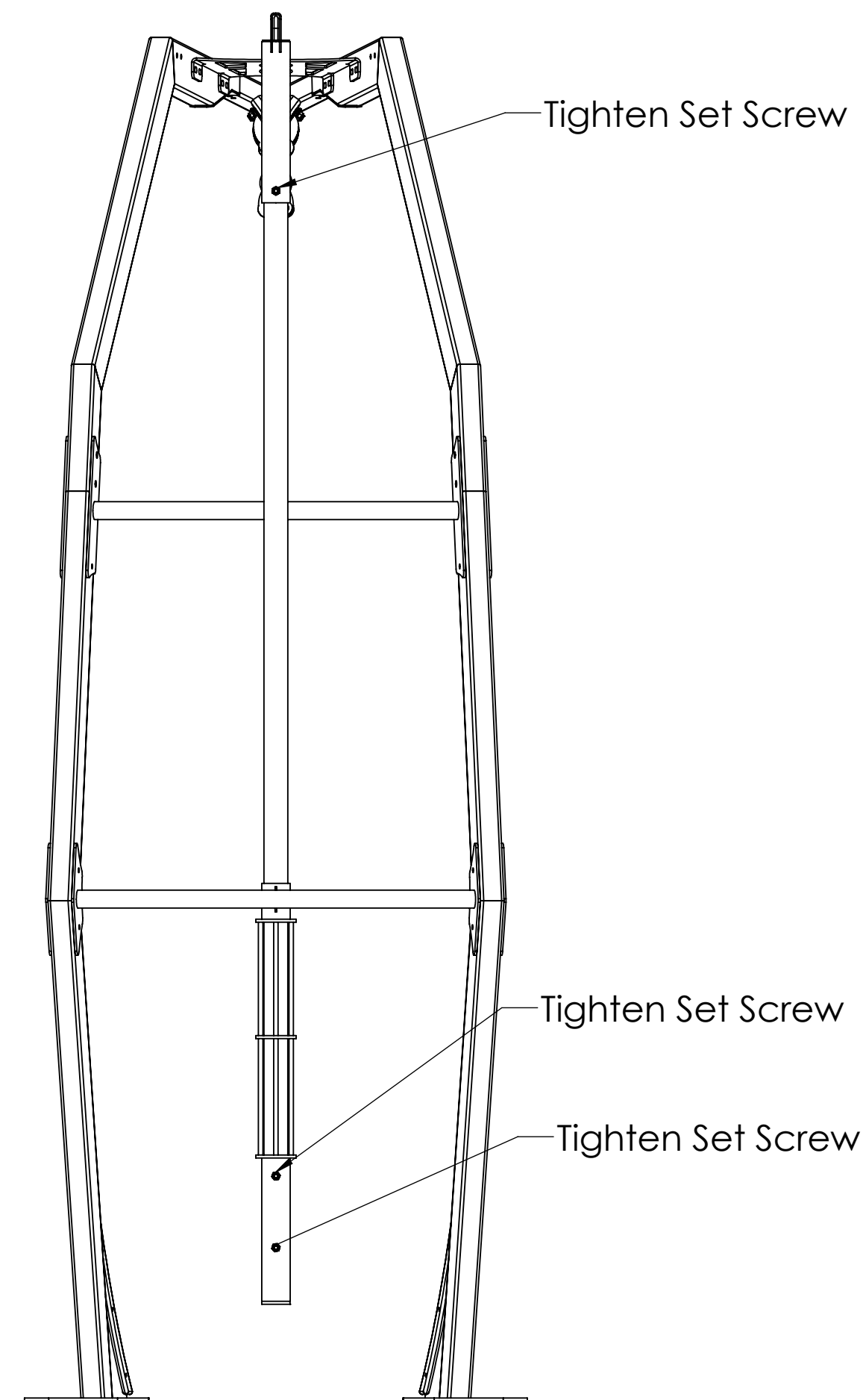
3. Slide the Small Retraction Tube ( 2 ) (pre-installed) into the bottom of the Retraction Bracket ( 1 ).

4. Next, slide the Large Retraction Tube ( 3 ) on top of the Small Retraction Tube ( 2 ).

**\*\*\*Use Anti-Seize on all Hardware\*\*\***



**Detail G**  
SCALE 1 : 6



**Assembled Part**

### **Assembly Step 13: Install the Top Retraction Cap**

1. Place the weight end of the Retraction Cable down the Retraction Tube ( **3** ).
2. Place the Top Retraction Cap ( **2** ) on top of the Retraction Tube ( **1** ).
3. Connect the carabiner end of the Retraction Cable to the small hole in the Trolley. See Detail G above.
4. Now you can tighten the set screws on the back of the Top Retraction Cap and the Bottom Retraction Bracket to seat the Retraction Tubes firmly withing the Retraction Brackets. **DO NOT OVERT TIGHTEN, RISK OF CRACKING TUBES.**

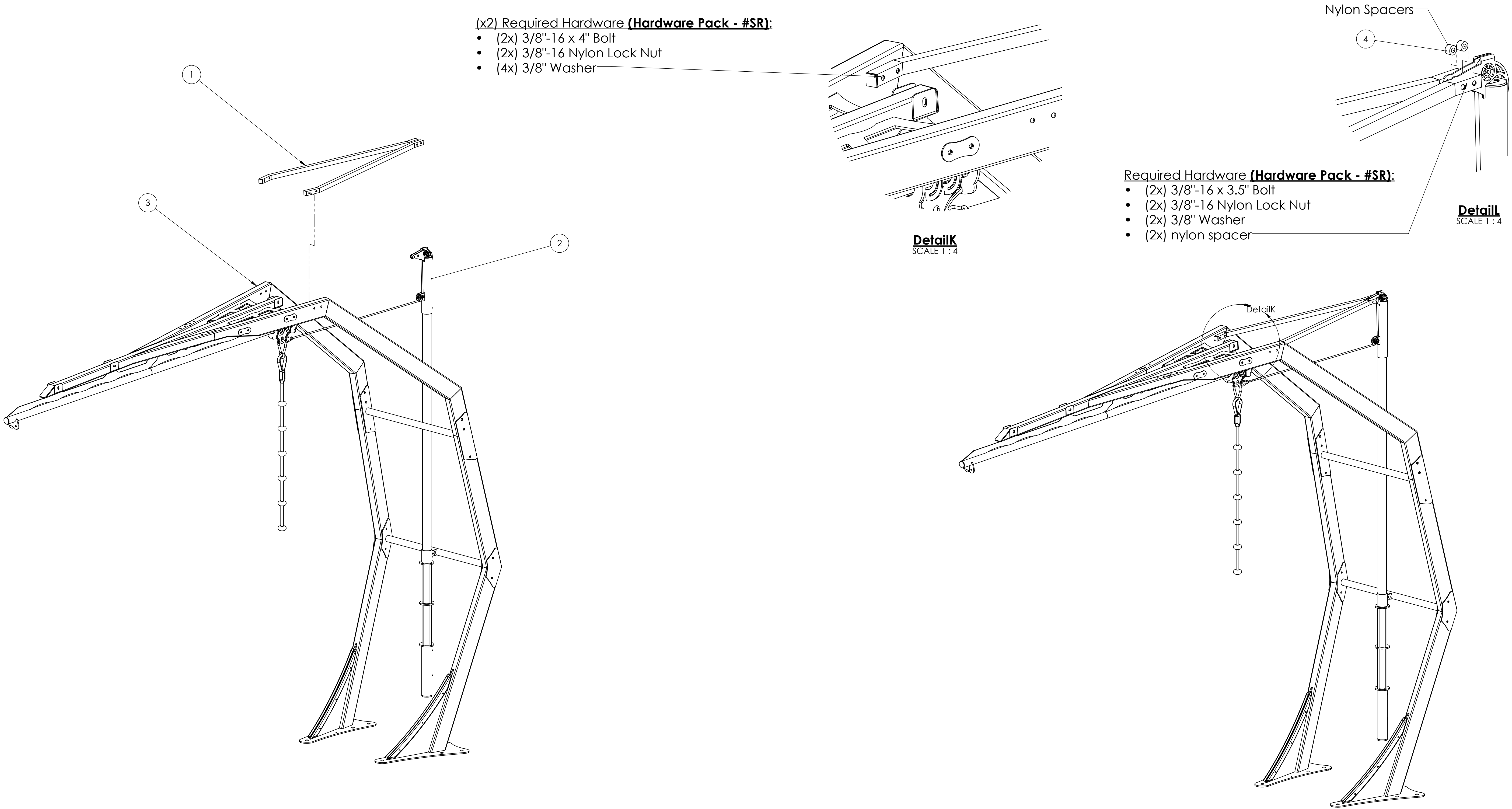
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**Assembly Step 14: Install the Struts**

1. Install the Struts ( 1 ) to the Top Retraction Cap ( 2 ) and the Top Legs ( 3 ). Use the required hardware shown above.
2. The notched end of the Struts gets assembled to the Legs. See Detail K above.
3. Make sure to place the provided Spacers ( 4 ) in between the flanges of the Top Retraction Cap. See Detail L above.
4. Keep everything loose until all bolts are in. Once all bolts are in, tighten everything.

**\*\*\*Use Anti-Seize on all Hardware\*\*\***

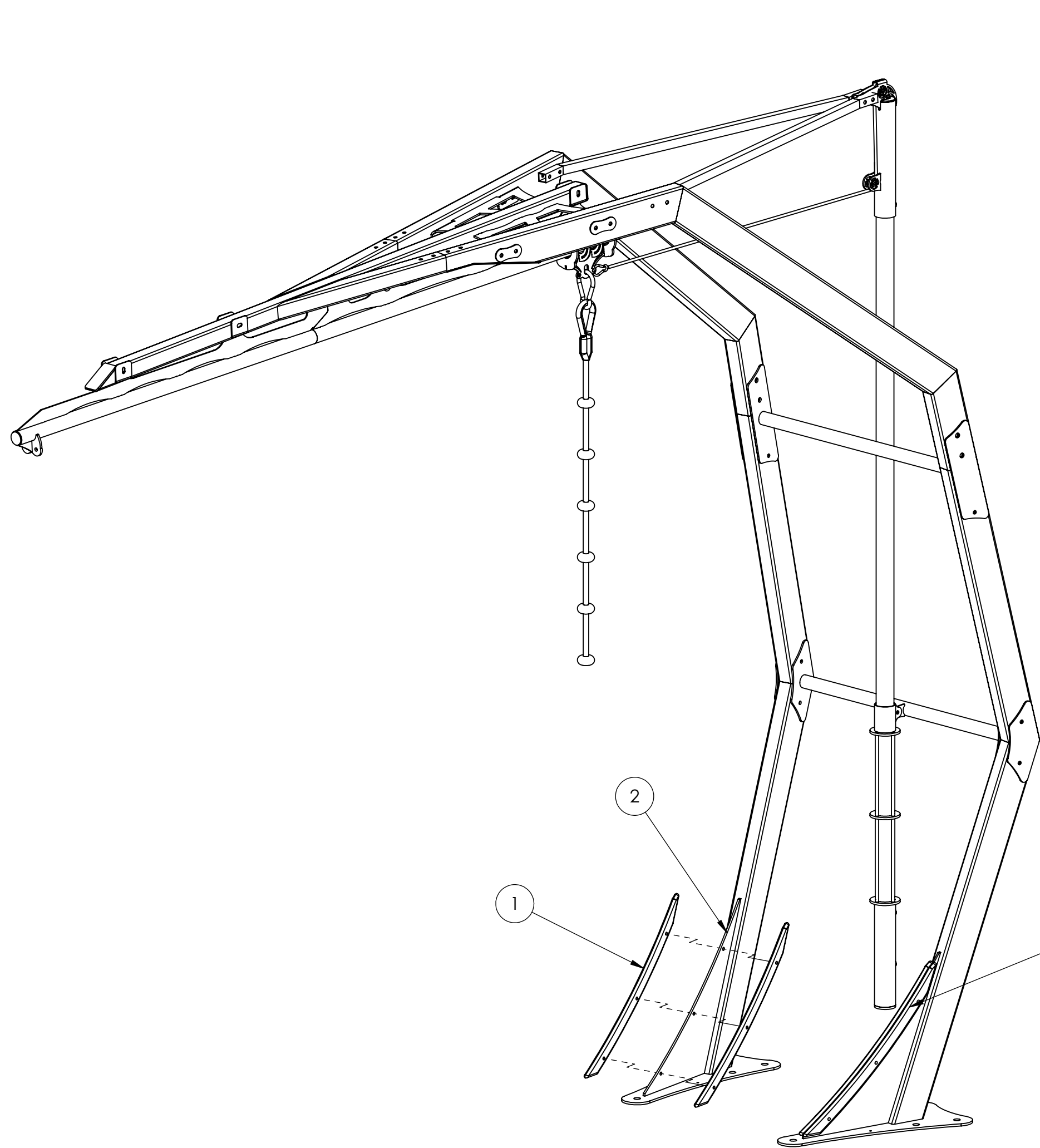


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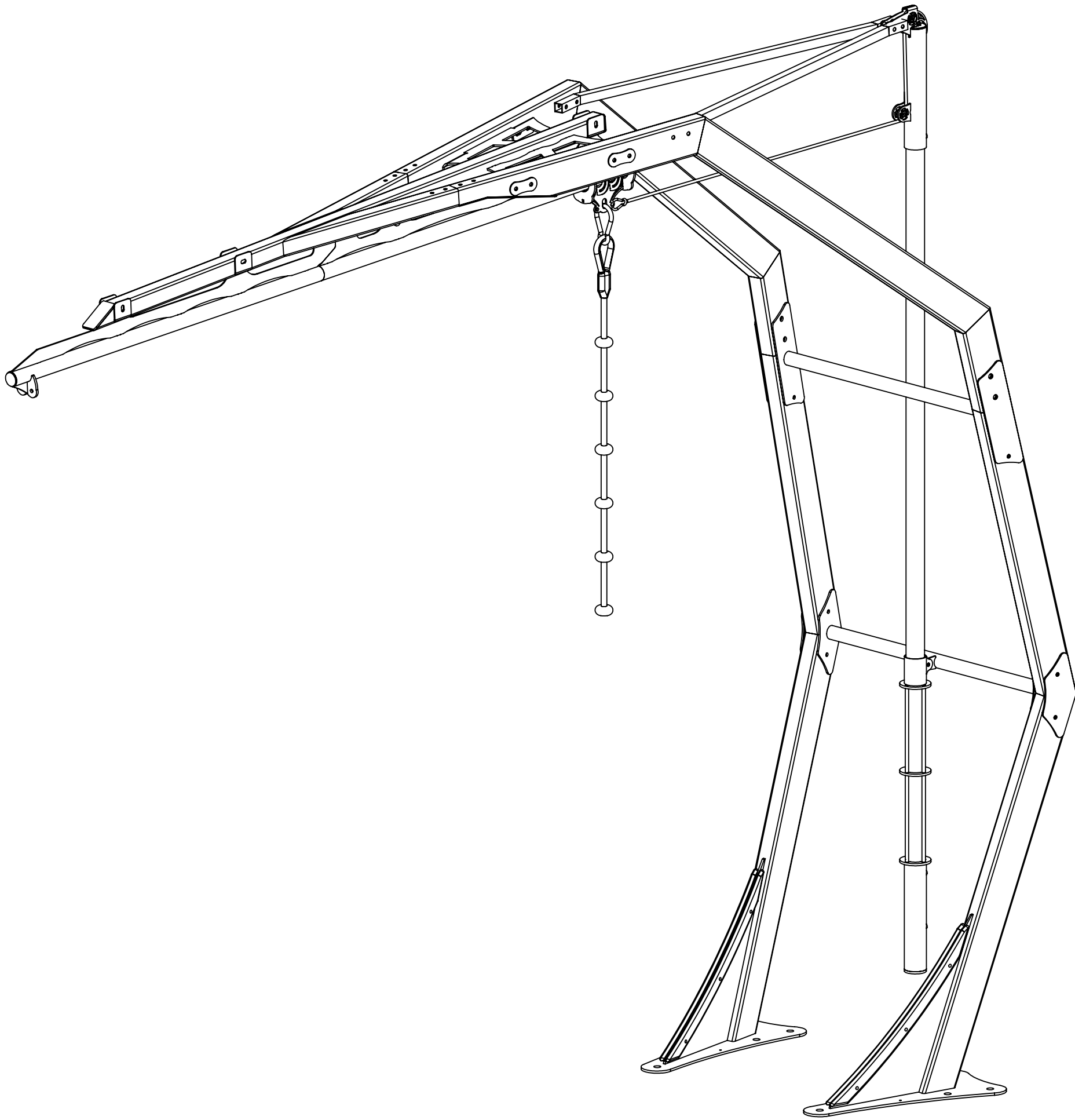
C

B

A



- (x2) Required Hardware:
- (3x) Barrel Screw
  - (3x) 5/16" washer
  - (3x) 1/4" washer



**Assembled Part**

**Assembly Step 15: Install the Gusset Guards**

1. Install the Gusset Guards ( 1 ) to both sides of the gussets on the Bottom Legs( 2 ). Use the required hardware shown above.
2. Install the top hole first, then the bottom, then the middle.

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		SHEET 18 OF 22

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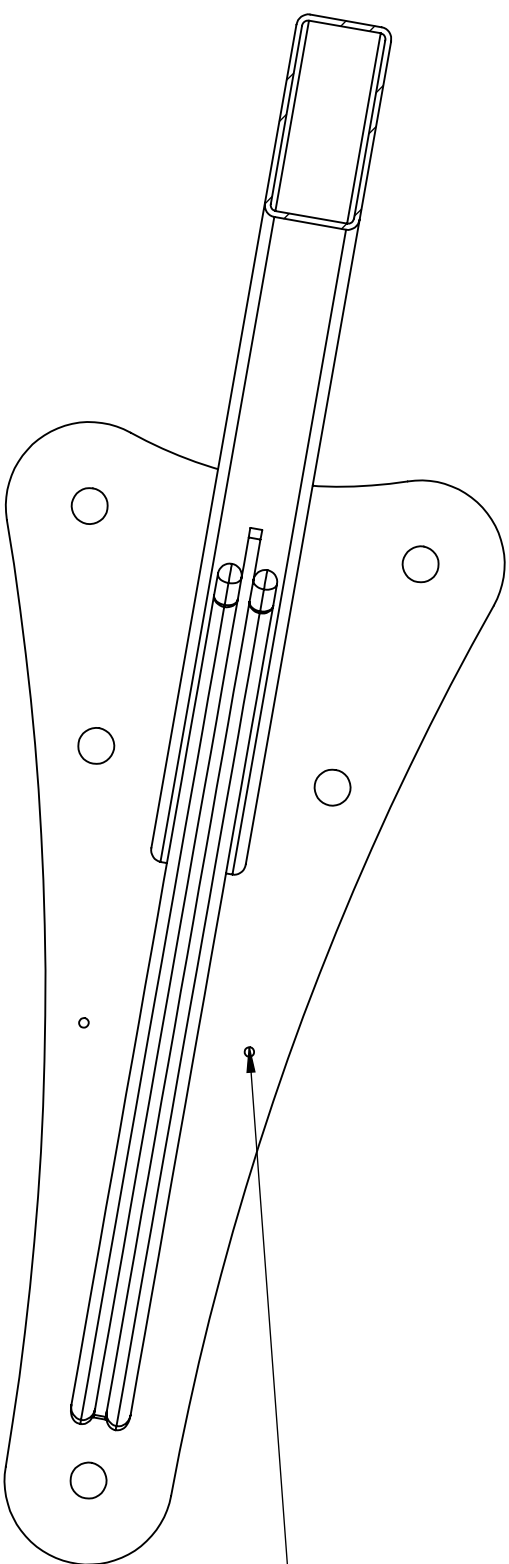
**Assembly Step 16: Attach Bonding Wire**

1. Ground each leg by attaching a bonding wire to the base plates. Use the required hardware shown above.

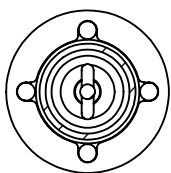
**\*\*\*Use Anti-Seize on all Hardware\*\*\***

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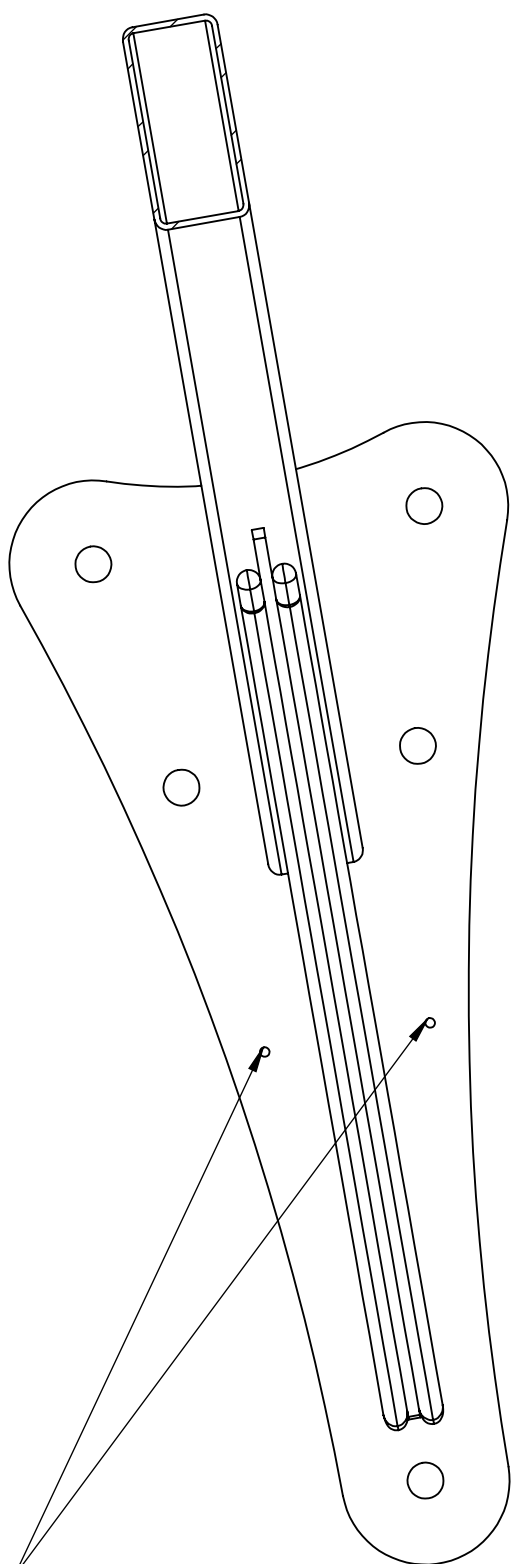
UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES (mm) TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MATCH ± 1° BEND ± 1° TWO PLACE DECIMAL ± .02 (0.51) THREE PLACE DECIMAL ± .005 (0.127) WELDS: 1/8" DO NOT SCALE DRAWING			 <b>Poolside Adventures</b> P.O. BOX 530 FREDERICK, MD 21705		
TITLE:  V3.2 Install and Ops.					
SIZE <b>D</b>	DWG. NO. 20037C_V3.2Install Guide	REV <b>D</b>			
SCALE: 1:1		WEIGHT: 270.04	SHEET 19 OF 22		



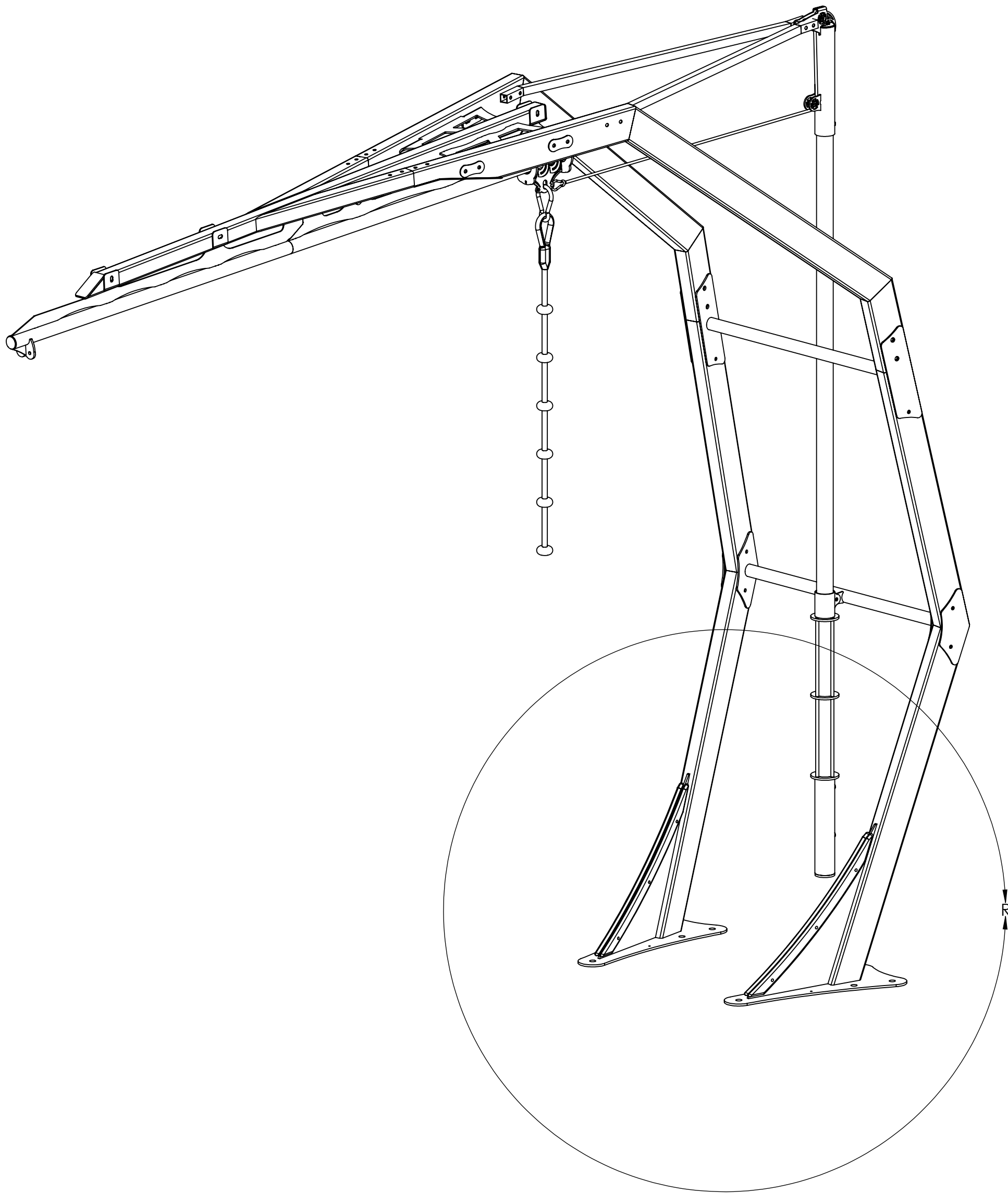
- (x2) Required Hardware (Hardware Pack - #5R) :
- (1x) 1/4"-20 x .50" bolt
  - (2x) 1/4" washer

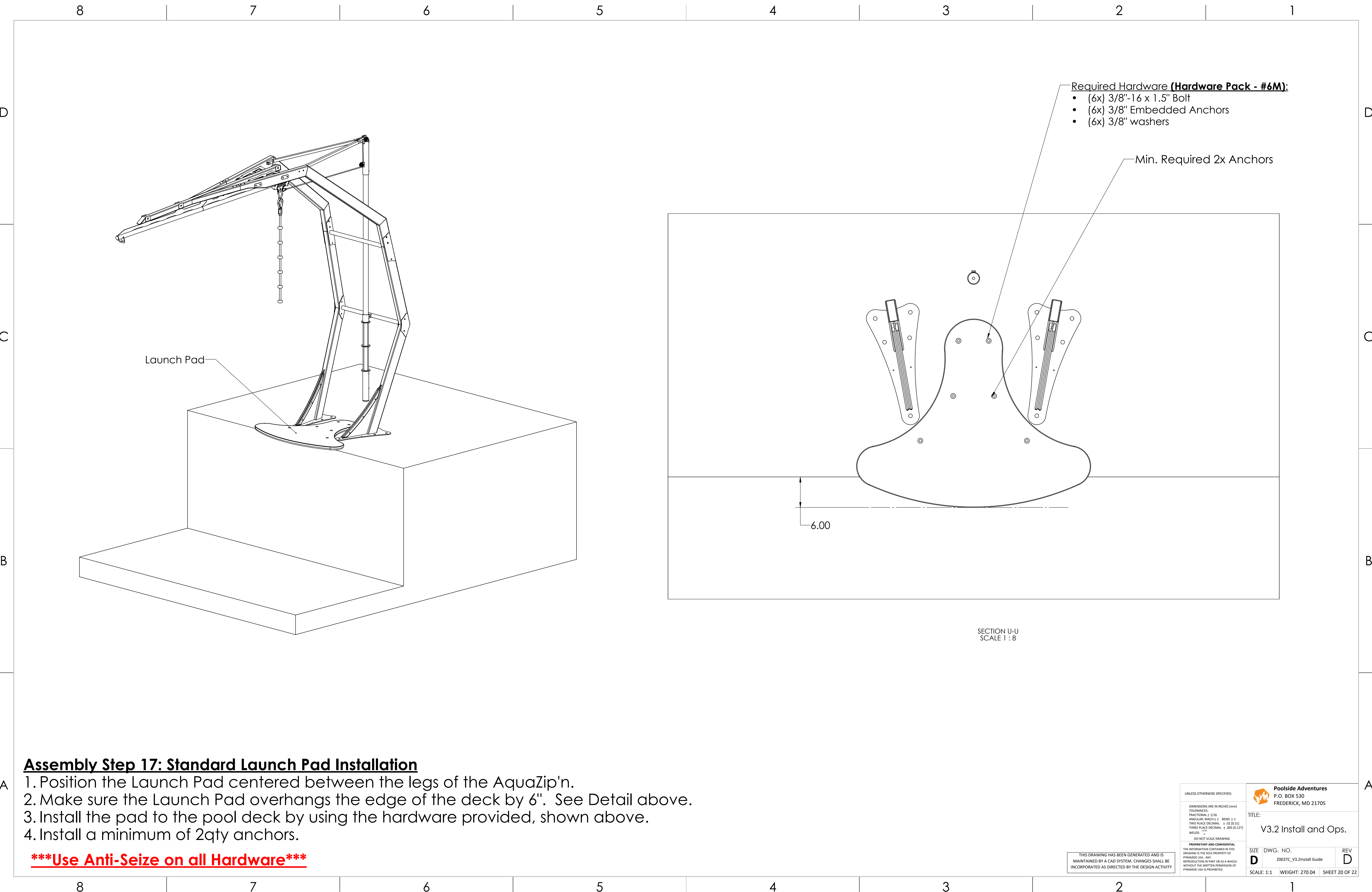


**Detail R-Detail R**  
SCALE 1 : 4

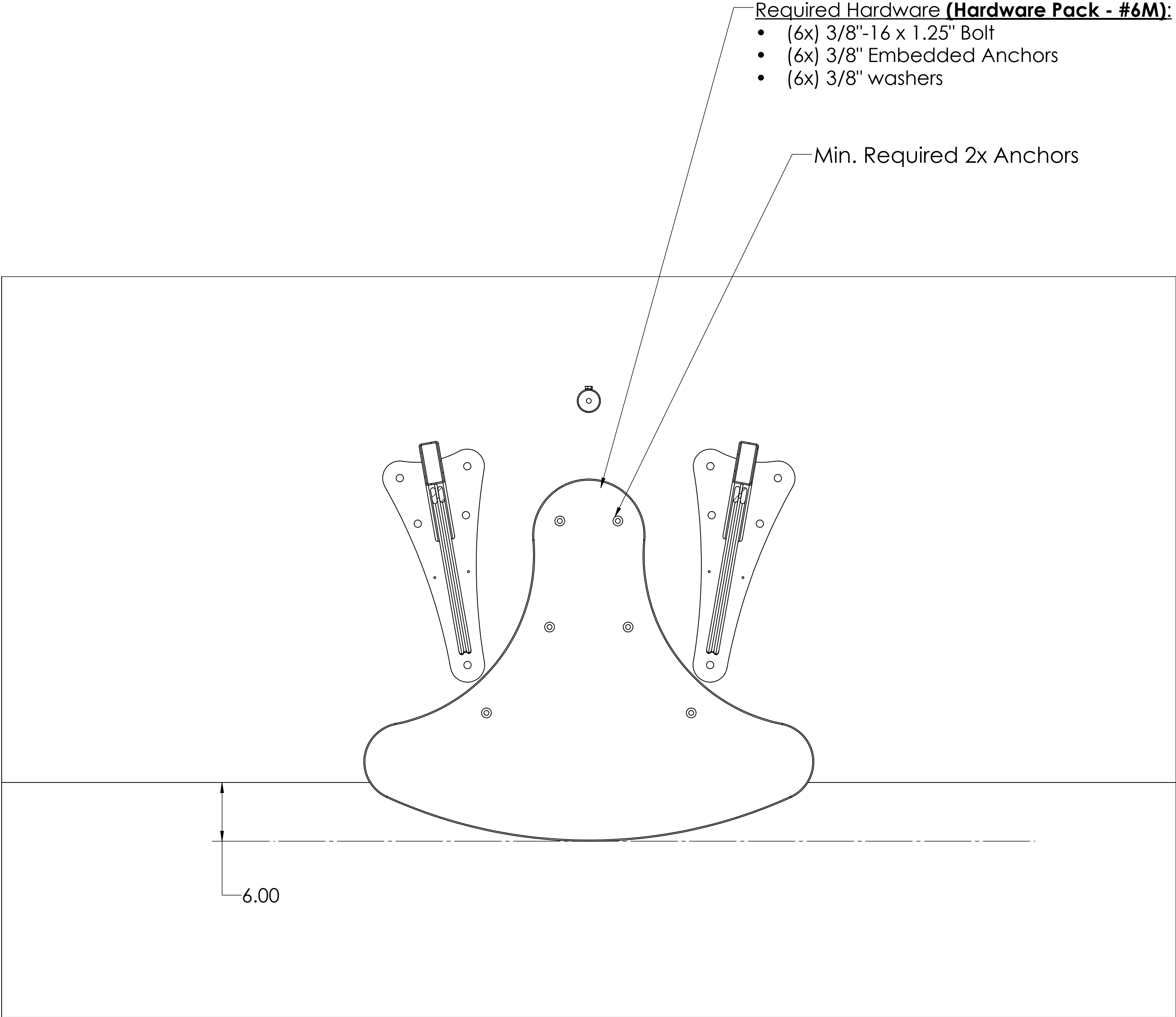
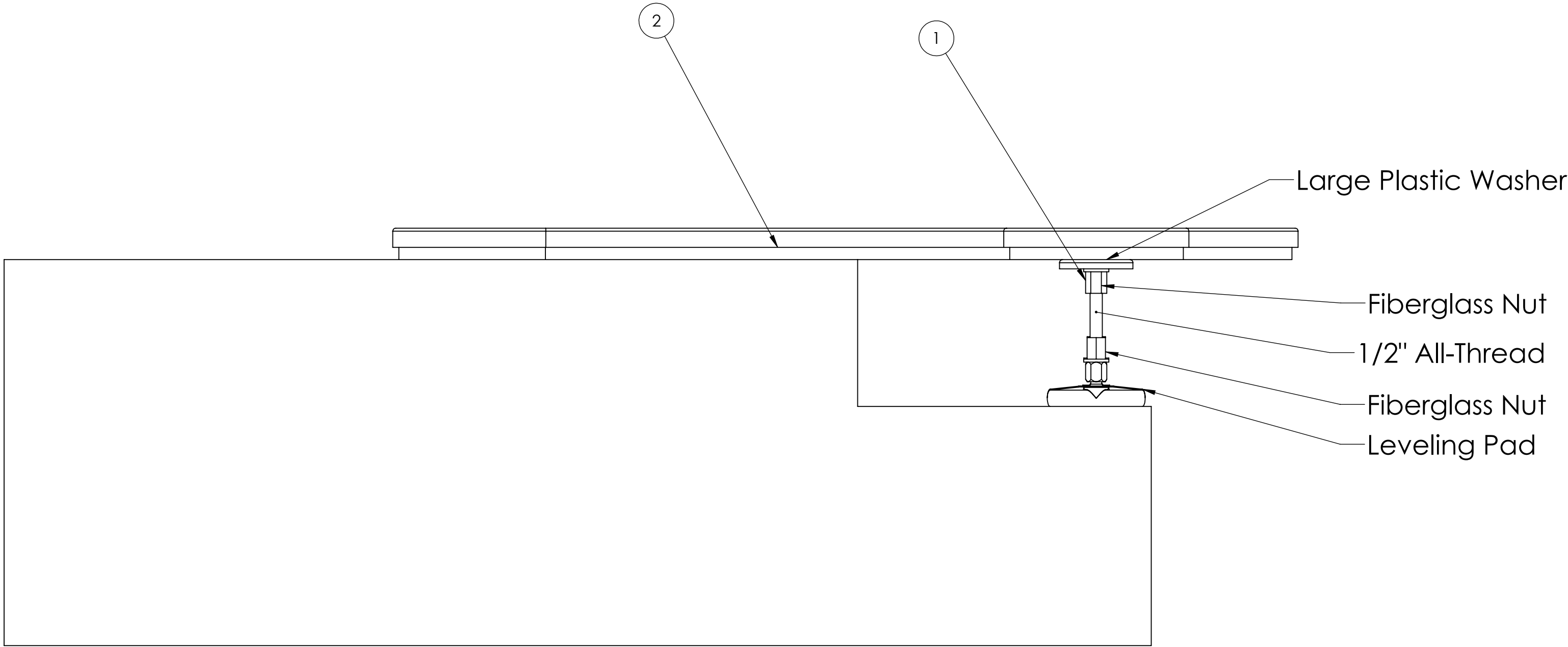


Bonding screw attachment location









**Assembly Step 17: Custom Launch Pad Installation - Drop Down Gutter System**

1. Only use this method for installation if your pool has a drop-down gutter system.
2. The Custom Gutter kit has to be speacially ordered for your AquaZip'n. It does not come standard in the packaging.
3. Position the Launch Pad centered between the legs of the AquaZip'n.
4. Install 3x Riser Legs ( 1 3X ) by threading the all-thread into the Plastic Support Plate( 2 ) a minimum of 1/2". Then finish assembling each Leveling Mounts using Image 1 above.
5. Make sure the Launch Pad overhangs the edge of the gutter system by 6". See Detail Above.
6. Make sure the riser legs ( 1 3X ) rest securley on the gutter system.
7. Install the pad to the pool deck by using the hardware provided, shown in Section V above.
8. Install a minimum of 2qty anchors.

**\*\*\*Use Anti-Seize on all Hardware\*\*\***

SECTION V-V  
SCALE 1 : 8

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	TITLE:  V3.2 Install and Ops.	
	SIZE <b>D</b>	DWG. NO. Z0037C_V3.2Install Guide
	SCALE: 1:1	WEIGHT: 270.04
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SHEET 21 OF 22		

Operations Manual

Rules:

- 1. Lifeguard to be present at all times
- 2. 250lbs rider weight limit
- 3. One person can use the AquaZip'n at a time
- 4. Feet first entry only
- 5. Make sure the water is clear before the next user goes

The new Aqua Zip ‘N design allows for minimal maintenance and high throughput. The following is the inspection checklist.

Daily Checklist:

- Check all bolts on the Zip'n structure to ensure they are firm & tight.
- Check the structure and trolley for any cracking or imperfections. Shut down ride immediately and contact Poolside Adventures if any defects are noticed.
- Anchor bolts shall be torqued to specifications.
- Spray silicone lubricant on all moving parts including - wheel bearings and retraction system pulley sheaves.
- Be sure acorn nuts are firmly secure on all threads able to be reached from the ground.
- Ensure proper trolley retraction by rolling trolley out over water, letting go and watching to see that trolley returns to original starting location.
- Check trolley wheels and bearings visually to ensure trolley is secure within its track.
- Visibly check the handrope for signs of wear and tear.
- Visibly check retraction cable for wear and tear.
  - Cable stretch is normal. However, if you notice the weight is contacting the bottom of the baseplate it is time to replace your retraction cable. Call Poolside Adventures at 800-956-6692 to order a replacment.
- Visibly check the rubber bumpers on the front and back of the track to ensure they are firmly in place and there is no visible cracking or imperfections.
- Visibly check the Launch Pad for signs of wear and tear.

Maintenance Schedules:

Replace once a season minimum:

- Retraction Cable Assembly
- Trolley Wheels
- Retraction Pulleys
- Rubber Bumpers
- Hand Rope

**\*Replace parts with genuine AquaZip'n parts only or warranty will be voided. For parts contact Poolside Adventures at 800-956-6692\***


**\*All other components should be checked based on the Daily Checklist above and replaced if any significant imperfections are noticed\***

Seasonal/Annual Checklist:

- Remove trolley from track to complete thorough trolley inspection,ensuring all bolts are firm and all wheels and bearings are in good shape. Overtime the wheels and bearings will need replaced. Call Poolside Adventures at 800-956-6692 to order replacment wheels.
- Store trolley indoors, in a cool dry location, during the off-season.
- Inspect concrete surface for cracking and weathering to which the PSI of concrete could become compromised.

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DIMENSIONS ARE IN INCHES (mm)  
TOLERANCES:  
FRACTIONAL ± 1/16  
ANGULAR: MATCH ± 1° BEND ± 1°  
TWO PLACE DECIMAL ± .02 (0.51)  
THREE PLACE DECIMAL ± .005 (0.127)  
WELDS:  
Welds: 1/8" ±  
DO NOT SCALE DRAWING

**Poolside Adventures**  
P.O. BOX 530  
FREDERICK, MD 21705

TITLE:  
  
V3.2 Install and Ops.

SIZE DWG. NO. REV  
**D** 20037C\_V3.2Install Guide **D**

SCALE: 1:1 WEIGHT: 270.04 SHEET 22 OF 22