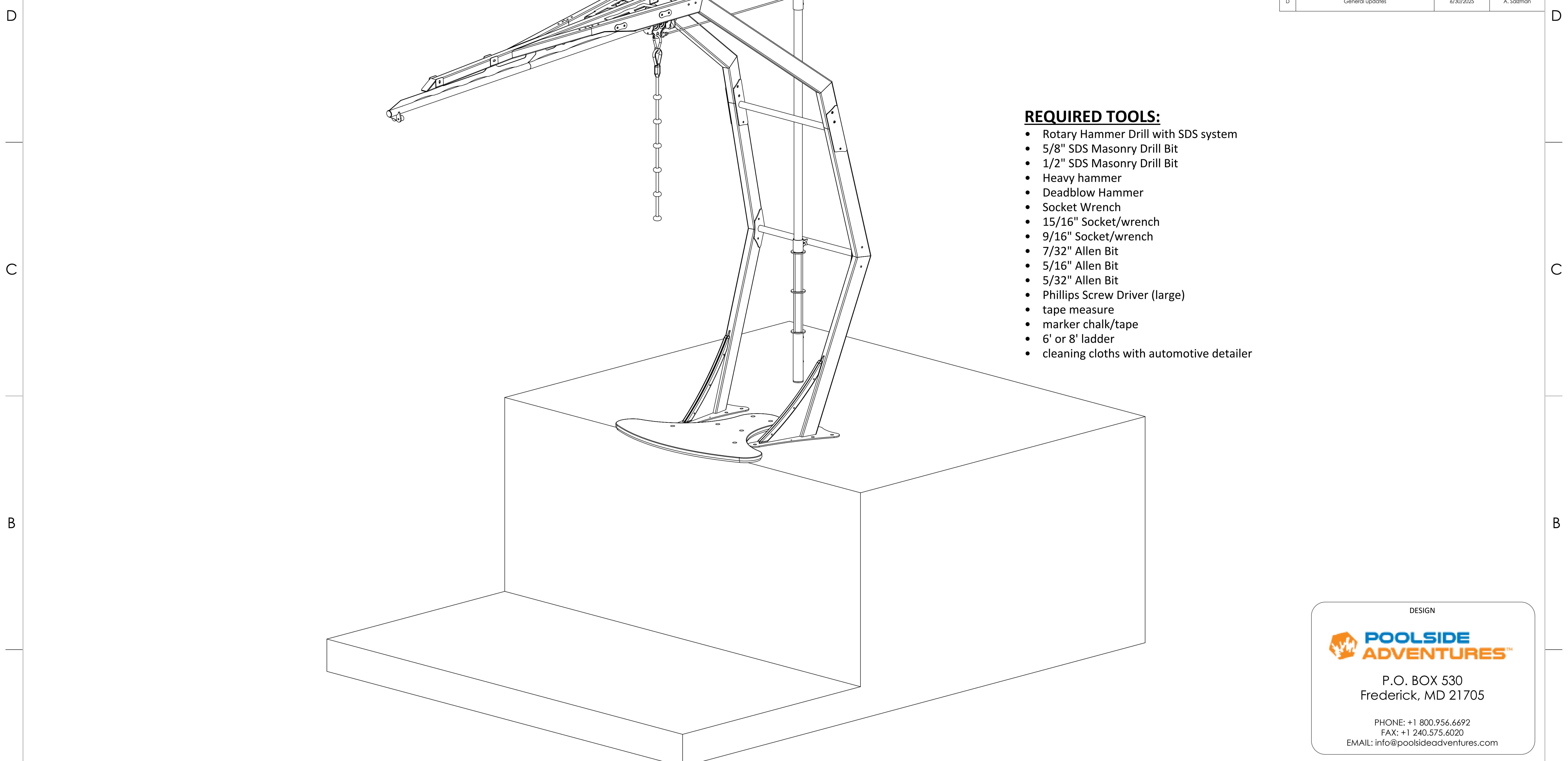


REVISIONS			
REV.	DESCRIPTION	DATE	REV'D BY
A	Initial Release	7/5/2023	A. Salzman
B	Updated Water Clearances	3/14/2025	A. Salzman
C	Updated Launch Pad, Updated Struts	6/8/2025	A. Salzman
D	General updates	6/30/2025	A. Salzman



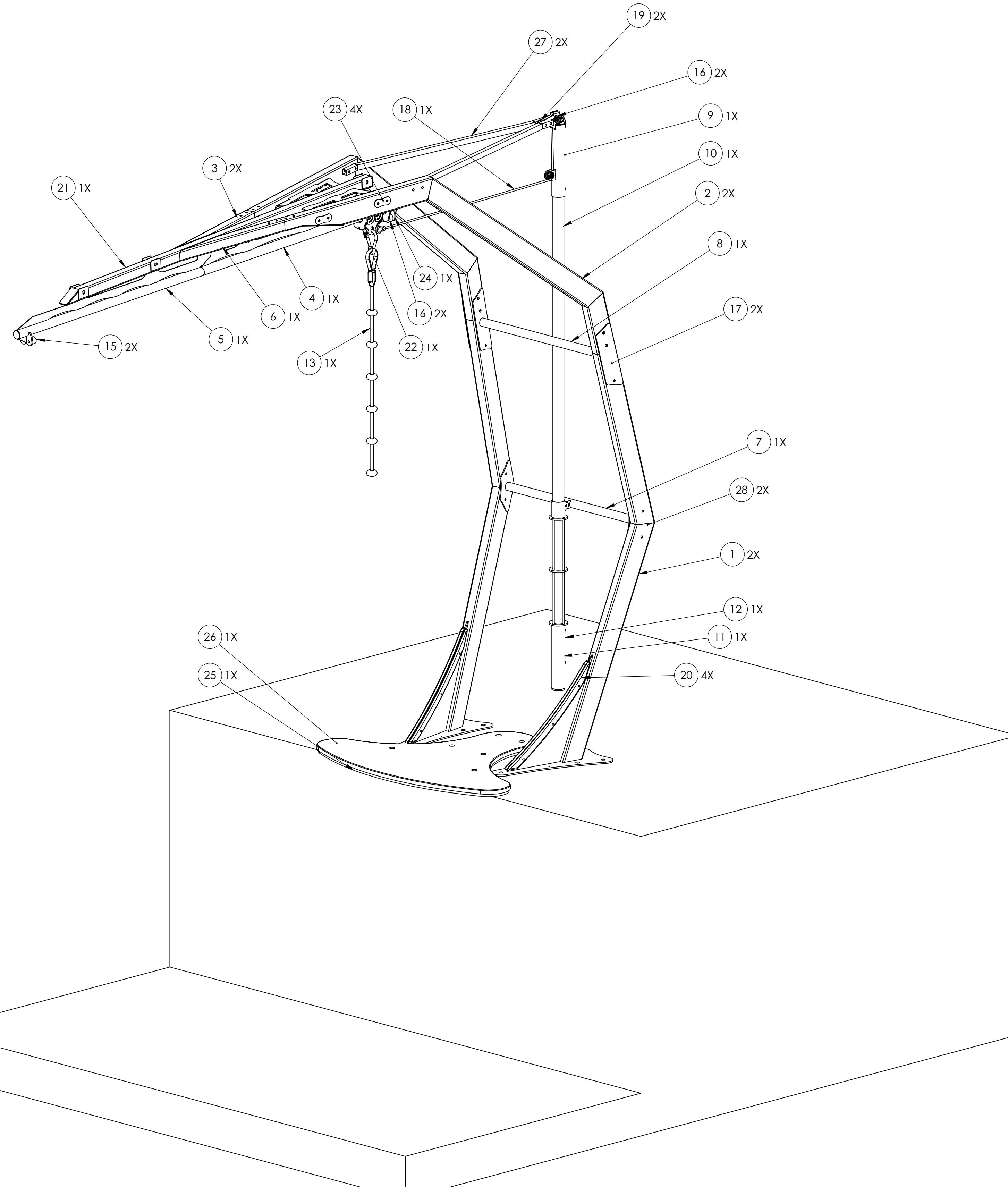
REQUIRED TOOLS:

- 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



AquaZip'n V3.2 Installation Guide and Operations Manual

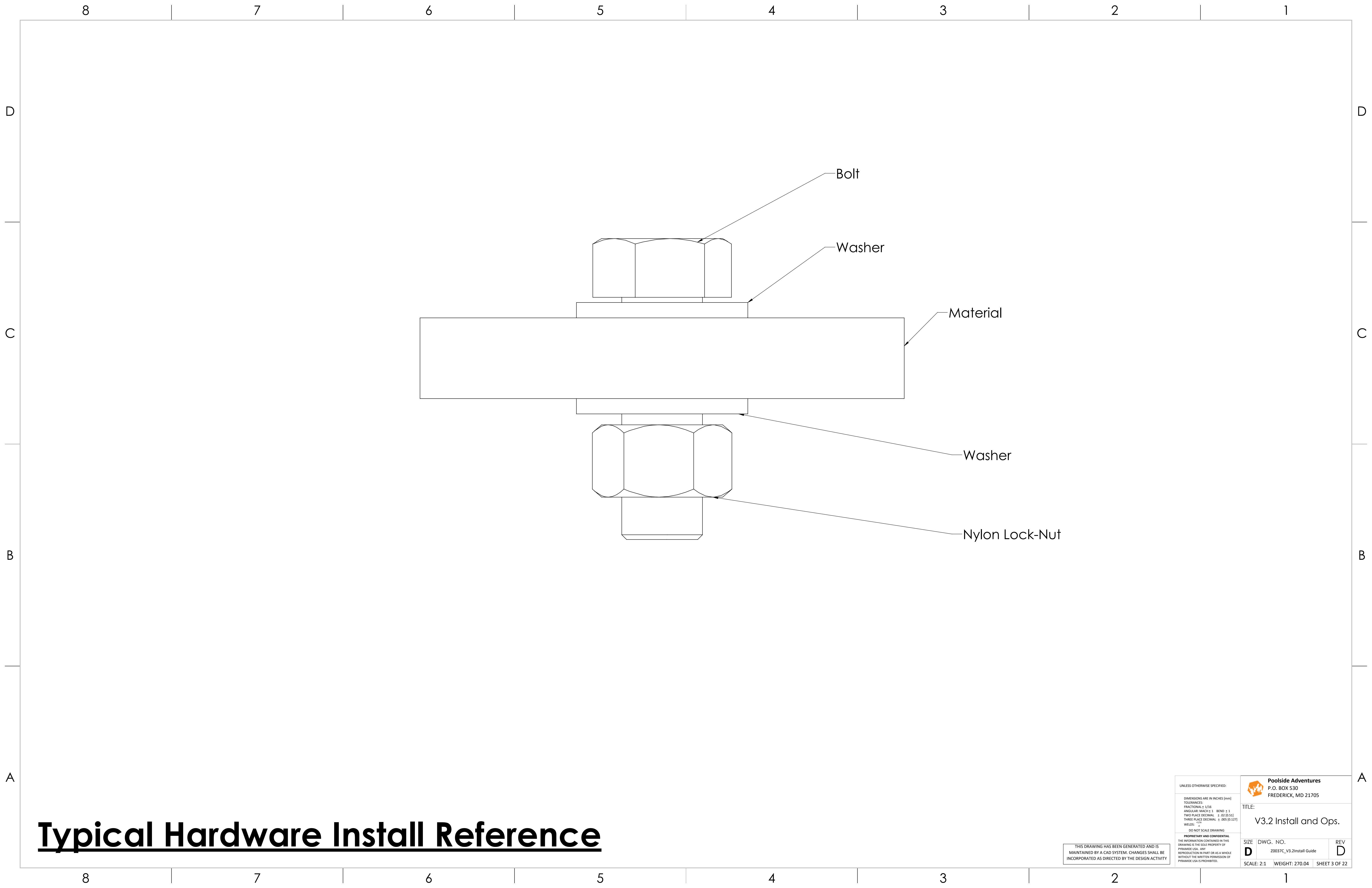
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DESIGNED: A. SALZMAN			
DRAWN:			
CHECKED:			
ENGINEERED:			
COMMENTS: -NONE-			
SCALE: 1:24 WEIGHT: 270.04 SHEET 1 OF 22			

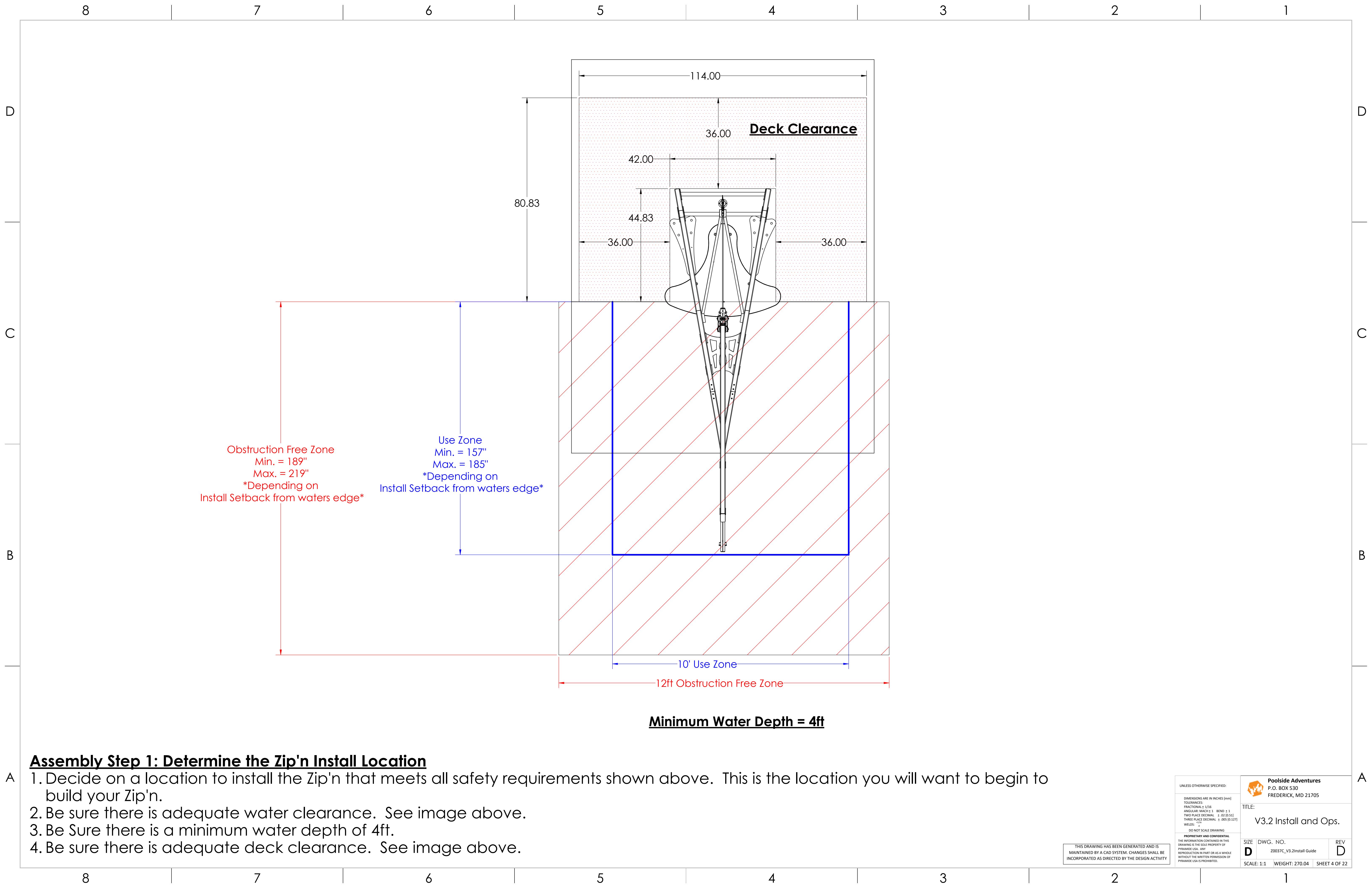


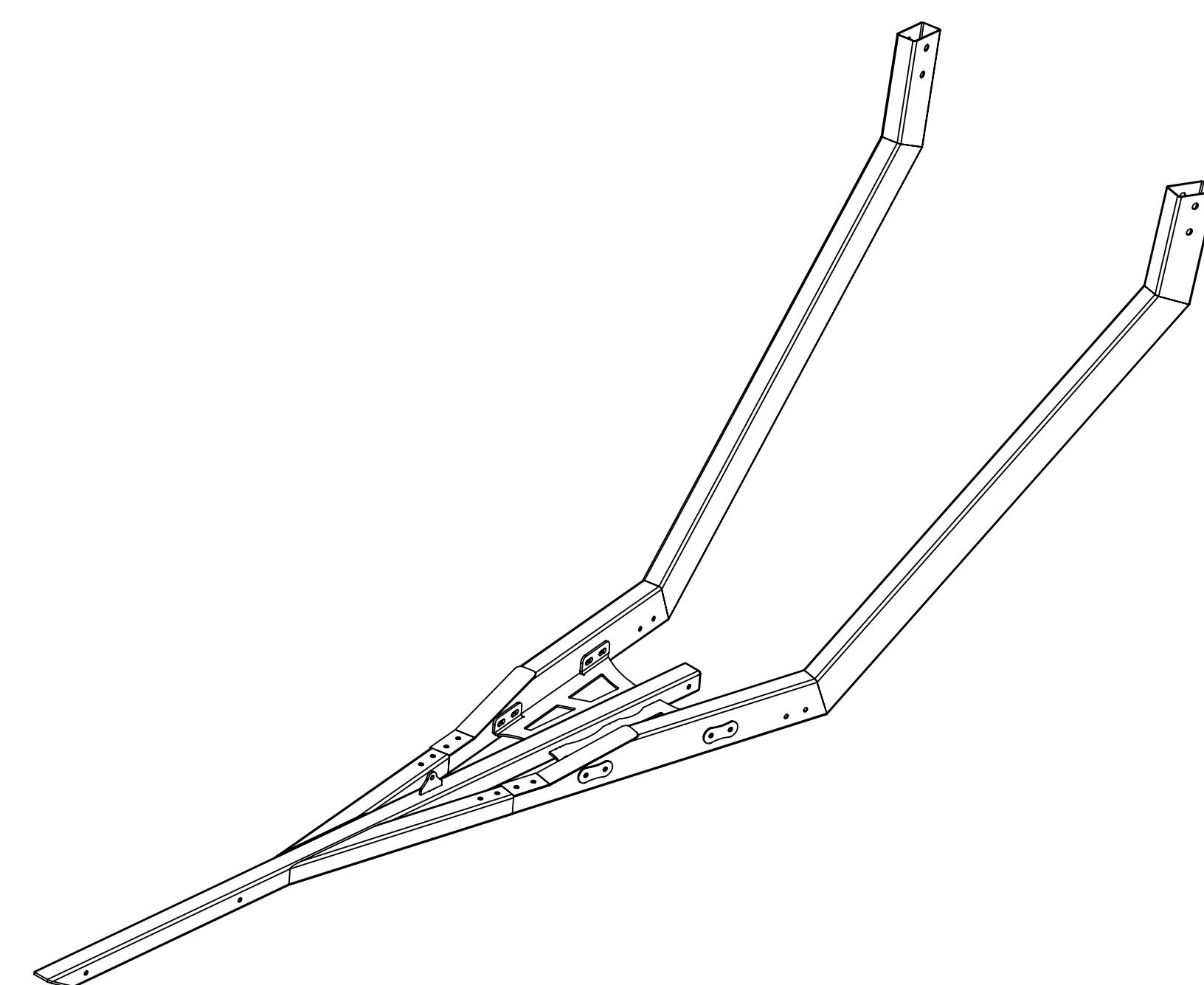
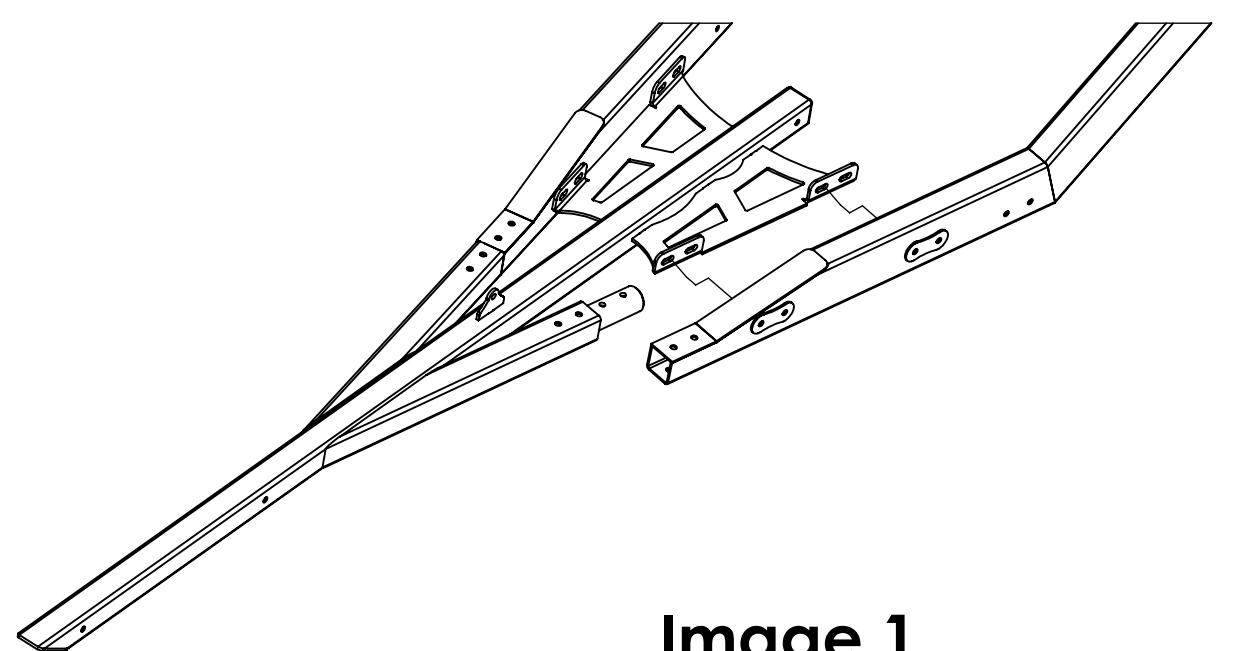
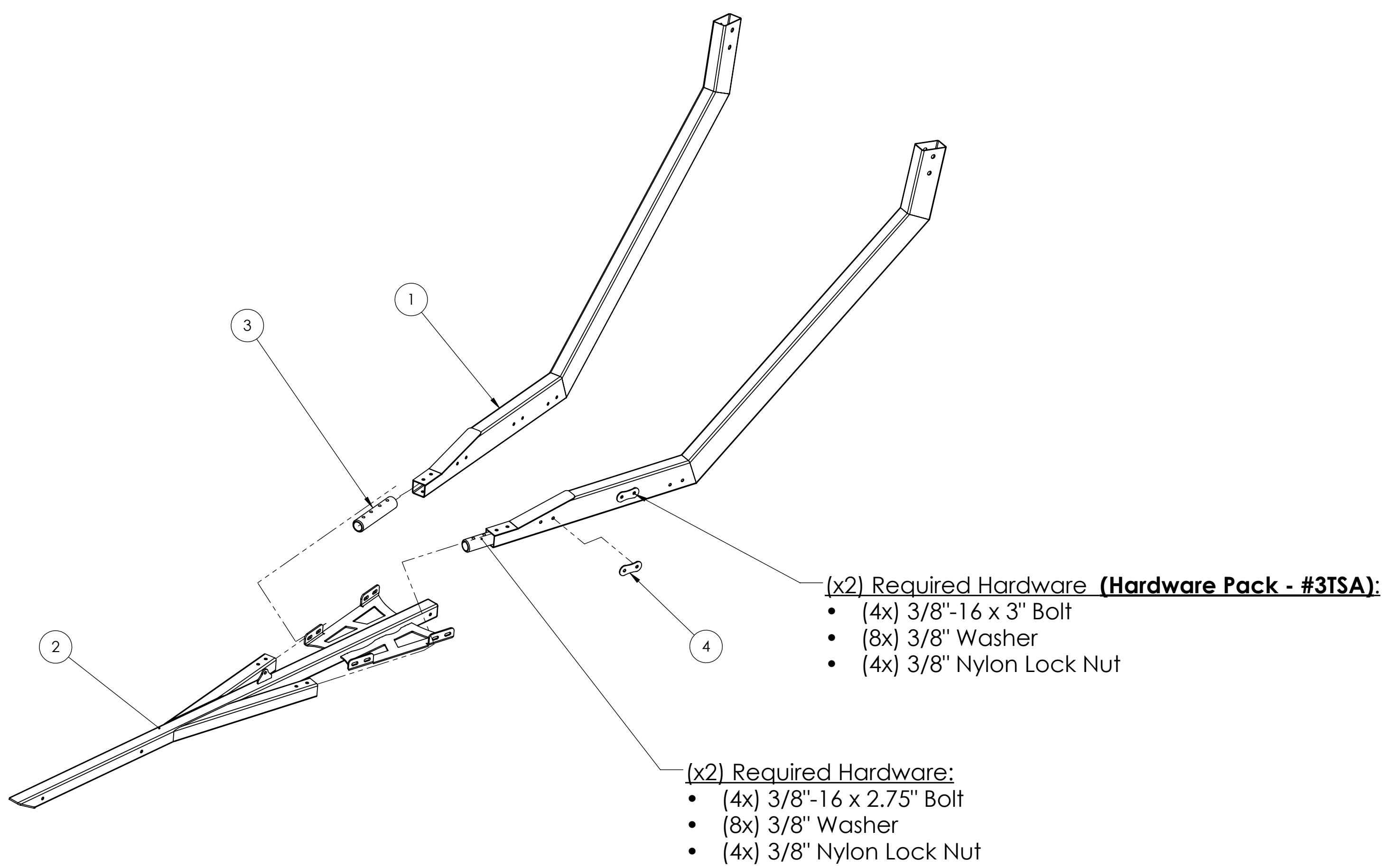
Parts List

TABLE 2.1: Parts List				
ITEM NO.	Part Number	QTY.	Title	DESCRIPTION
1	Z0037M0001-05	2	Leg Tube	-Bottom
2	Z0037M0001-06	2	Leg Tube	-Top
3	Z0037M0014-101	2	Splice Tube	Part Template Standard
4	Z0037M0005-01	1	Track	-Back
5	Z0037M0005-02	1	Track	-Front
6	Z0037M0013-101	1	Track Connector	Part Template Standard
7	Z0037M0009-01	1	Cross Brace - Bottom	
8	Z0037M0008-01	1	Cross Brace - Middle	
9	Z0037M0037-01	1	RETRACTION TUBE - TOP CAP	RETRACTION TUBE - TOP CAP
10	00718M0044-101	1	RETRACTION TUBE	RETRACTION TUBE
11	00718M0044-102	1	RETRACTION TUBE	RETRACTION TUBE
12	Z0037M0010-01	1	Bottom Retraction Bracket	
13	00718M0045-01	1	Hand Rope Assembly	-
14		2	Front Rubber Stopper	9540K955
15		2	Retraction Pulley Sheave	9466T75
16	-	2	RUBBER STOPPER BACK	9540K955
17	Z0037M0002-102	2	Splice Plate	#2
18	Z0037M0015-01	1	V3.2 Retraction Cable Assm	-
19		2	Nylon Spacer	-
20	Z0037M0023-101	4	Gusset Guard	-
21	Z0037M0027-01	1	Track Support	
22	00718C_TROLLEY ASSEMBLY-01	1	TROLLEY ASSEMBLY	ASSEMBLY REFERENCE
23	Z0037M0029-101	4	Plate Washer	-
24	Z0037M0028-01	1	Rear Bumper Sleeve	-
25	Z0037M0035-101	1	Launch Pad Plate	-
26	Z0037M0034-101	1	Launch Pad - Foam	-
27	Z0037M0016-101	2	Strut	
28	Z0037M0009-121	2	Plate	-

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TOLERANCES:	FRACTIONAL: $\pm 1/16$	
ANGULAR: MACH 1	BEND 1	20 DEG
TWO PLANE DECIMAL: ± 0.05 [0.13]	THREE PLANE DECIMAL: ± 0.05 [0.13]	WELD: ± 0.05
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SCALE: 1:1 WEIGHT: 270.04 SHEET 2 OF 22		







Assembly Step 2: Assemble Top Leg to Track Support

1. To prevent scratches, lay down the shipping box that the Zip'n came in on the concrete to build on top of. A blanket works great too.
2. Do not remove the protective film on the spine of the AquaZip'n Structure UNTIL it has been firmly installed on the deck.
3. Insert the Top Leg (1) to the Track Support (2).
4. Make sure there is a Splice Tube installed (3). Some AquaZip'ns come with the splice bars welded into the Top Leg (1).
5. Use the required hardware shown above.
6. Place Plate Washer (4) on the outside of the leg to prevent the Leg Tube from dimpling. **DO NOT OVER TIGHTEN OR YOU WILL INDENT THE LEG TUBE**

7. Your specific AquaZip'n may require you to use Plate Washers (4) as spacers. See Image above.
8. Keep all bolts loose at this time.

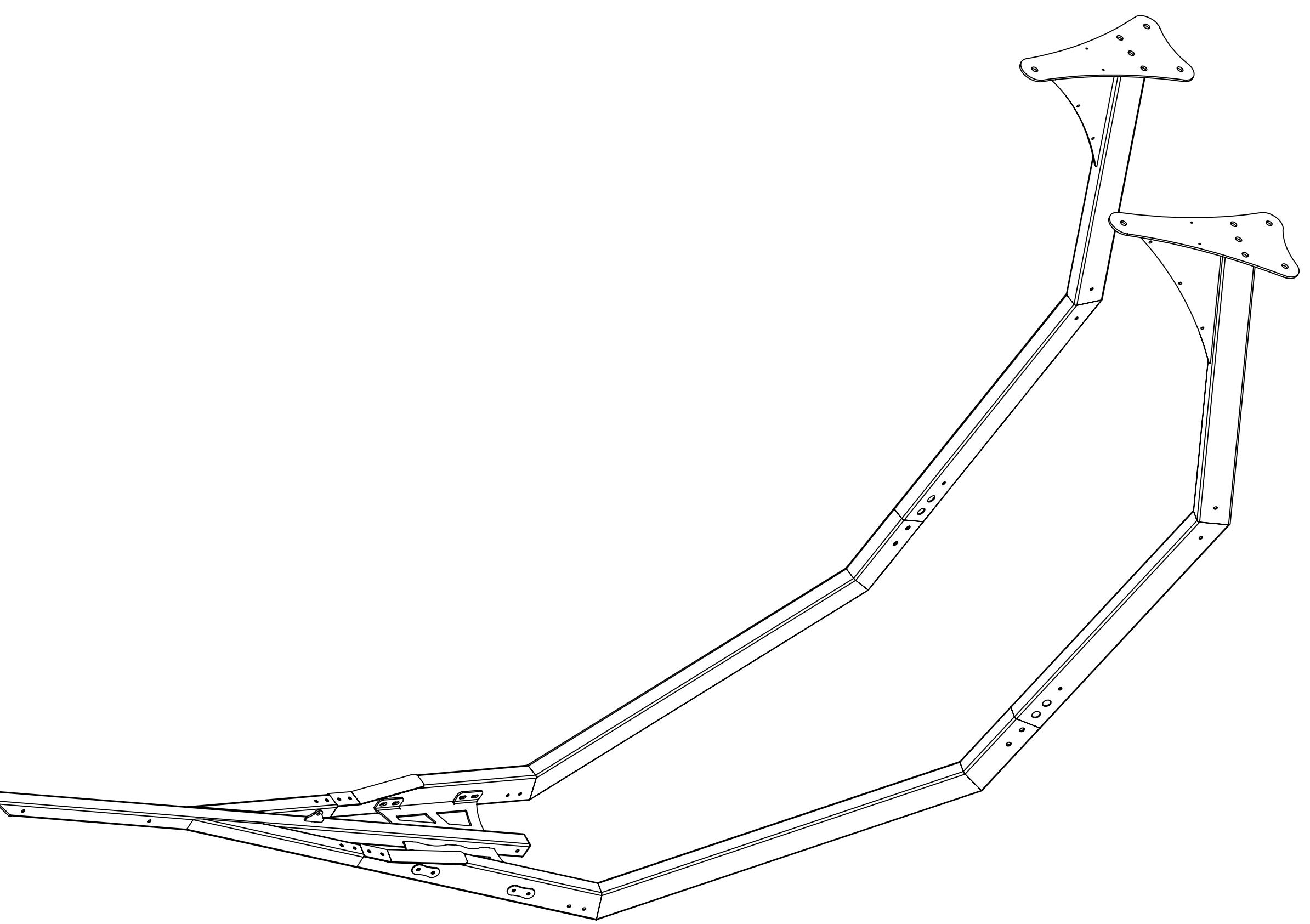
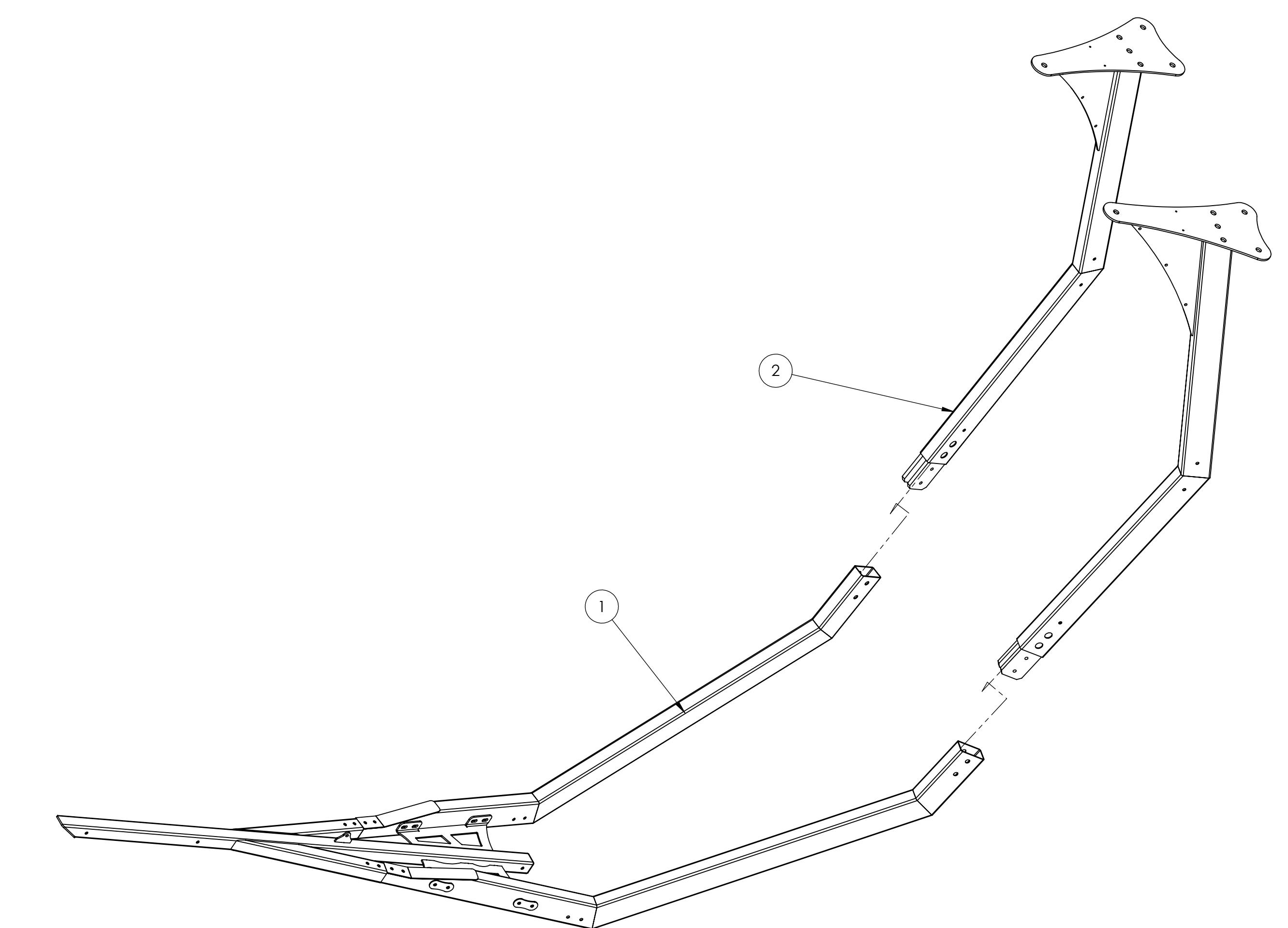
*****Use Anti-Seize on all Hardware*****

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SCALE: 1:1 WEIGHT: 270.04 SHEET 5 OF 22		

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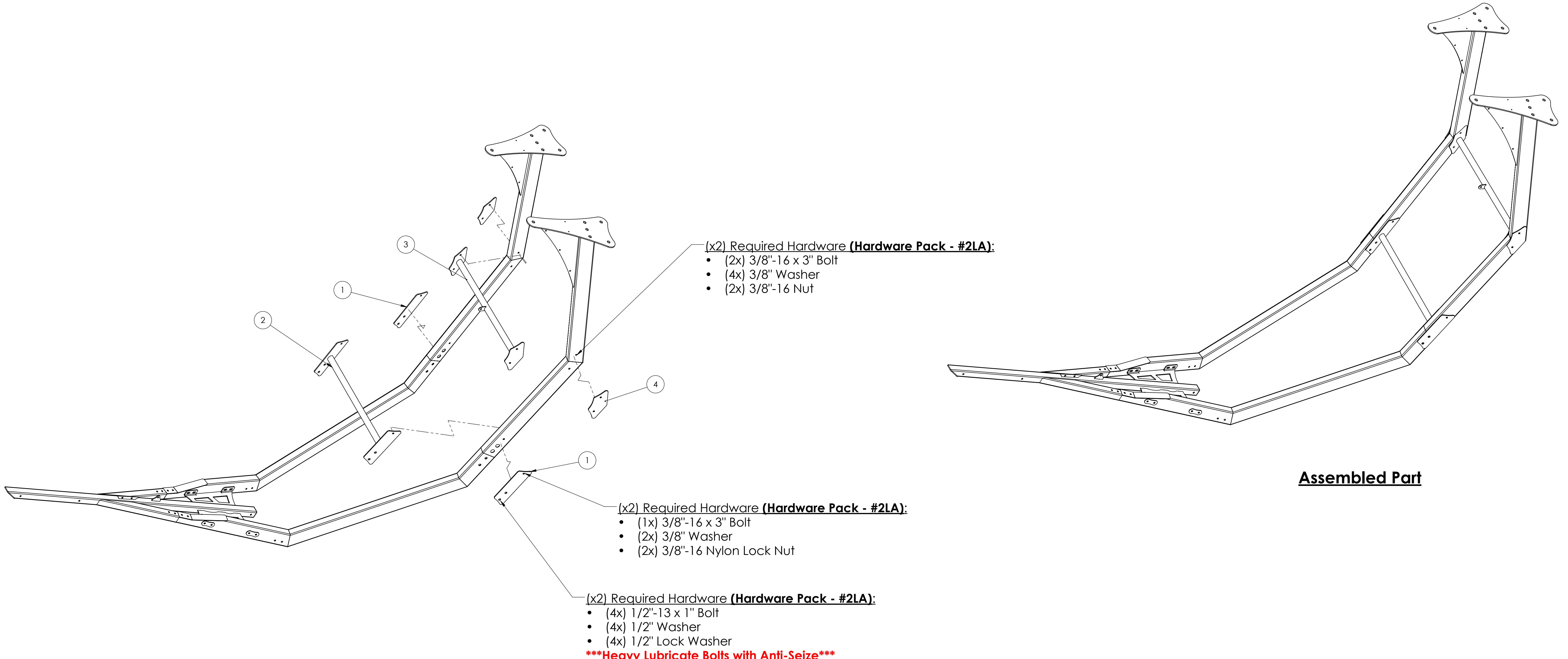
Assembled Part

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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TOLERANCES	FREDERICK, MD 21705	
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ANGULAR: MACH 1 BEND ± 1	V3.2 Install and Ops.	
TWO PLACE DECIMAL: ± 0.05 [0.51]	DO NOT SCALE DRAWING	
THREE PLACE DECIMAL: ± 0.005 [0.127]	PROPRIETARY AND CONFIDENTIAL	
WELD: ± 0.06	THE INFORMATION CONTAINED IN THIS	
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D	Z0037C_V3.2Install Guide	D
SCALE: 1:1	WEIGHT: 270.04	SHEET 6 OF 22



Assembly Step 4: Install the Cross-Braces

1. Install the cover plates (1) first. Use the required hardware shown above.
2. Install Middle 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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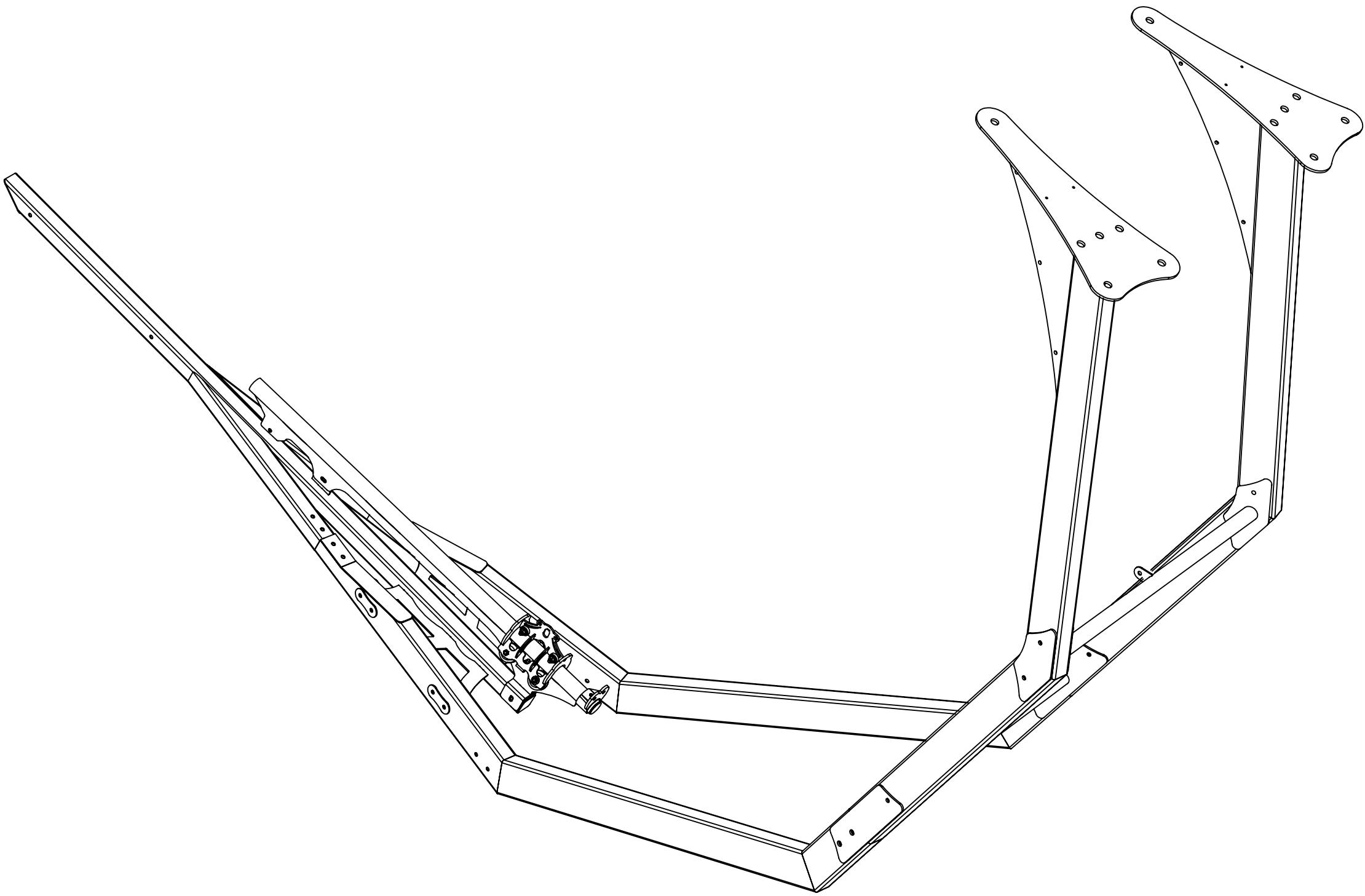
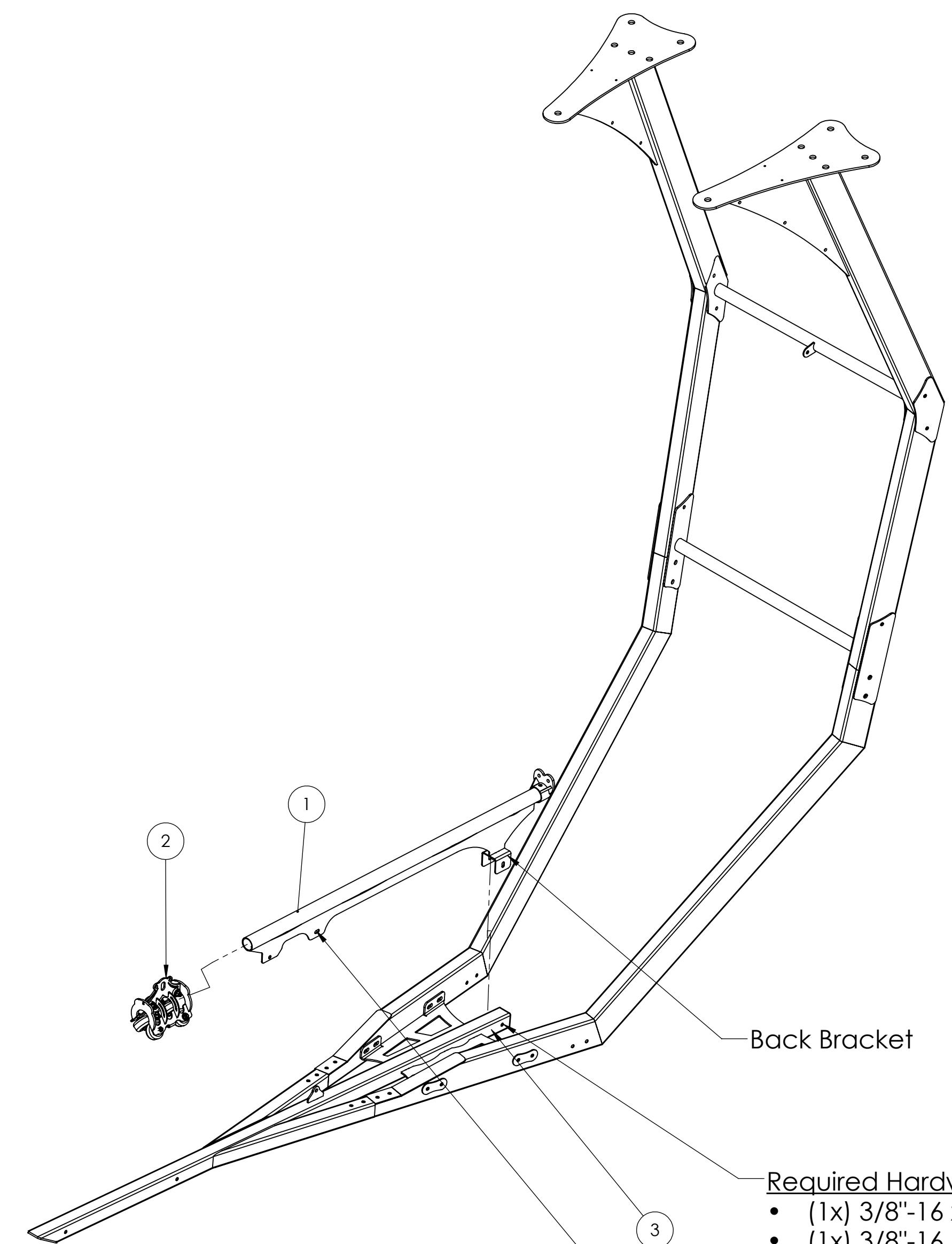
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Assembly Step 5: Install the Track #1 and Trolley

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*******Assembled Part**

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SCALE: 1:1 WEIGHT: 270.04 SHEET 8 OF 22

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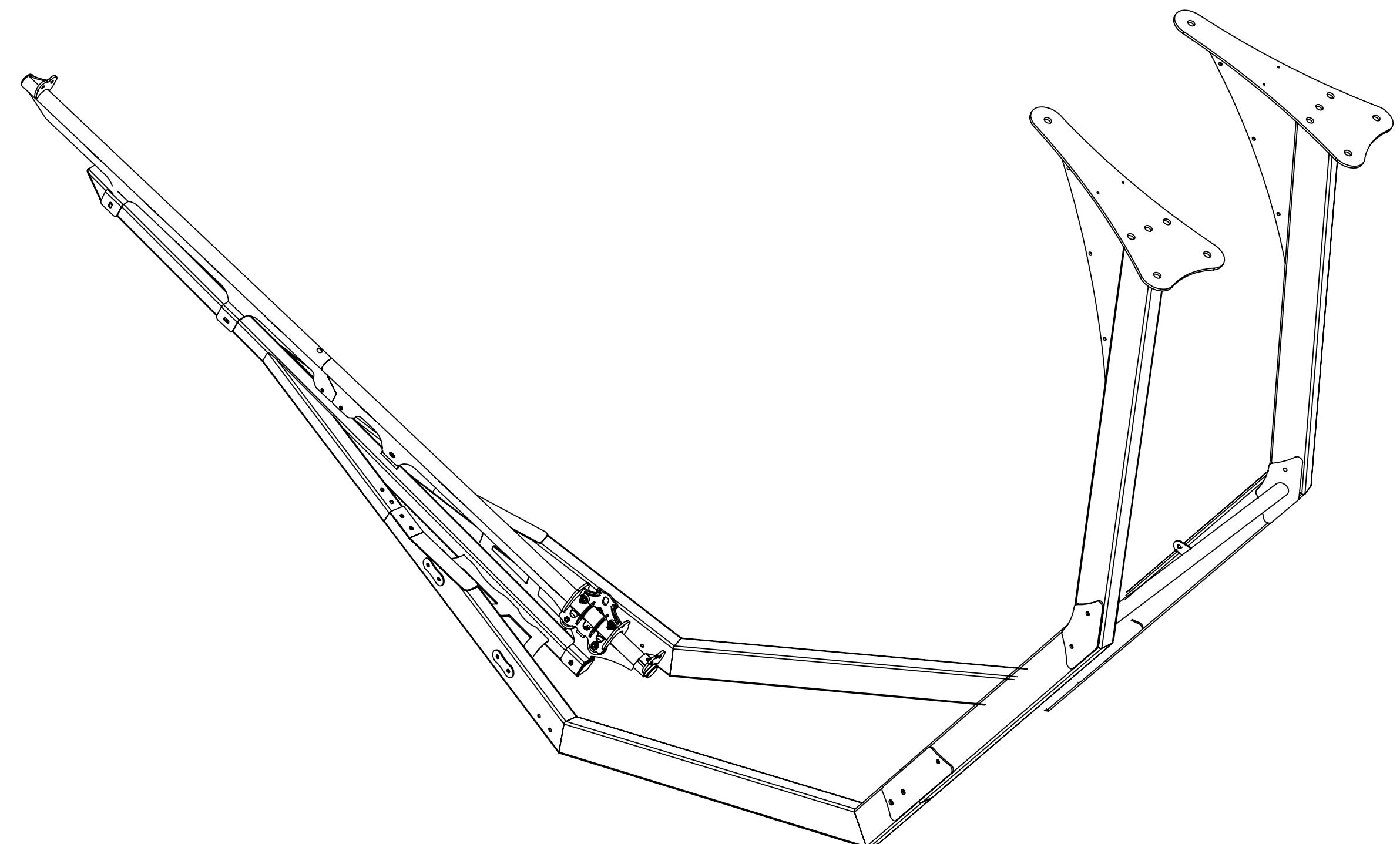
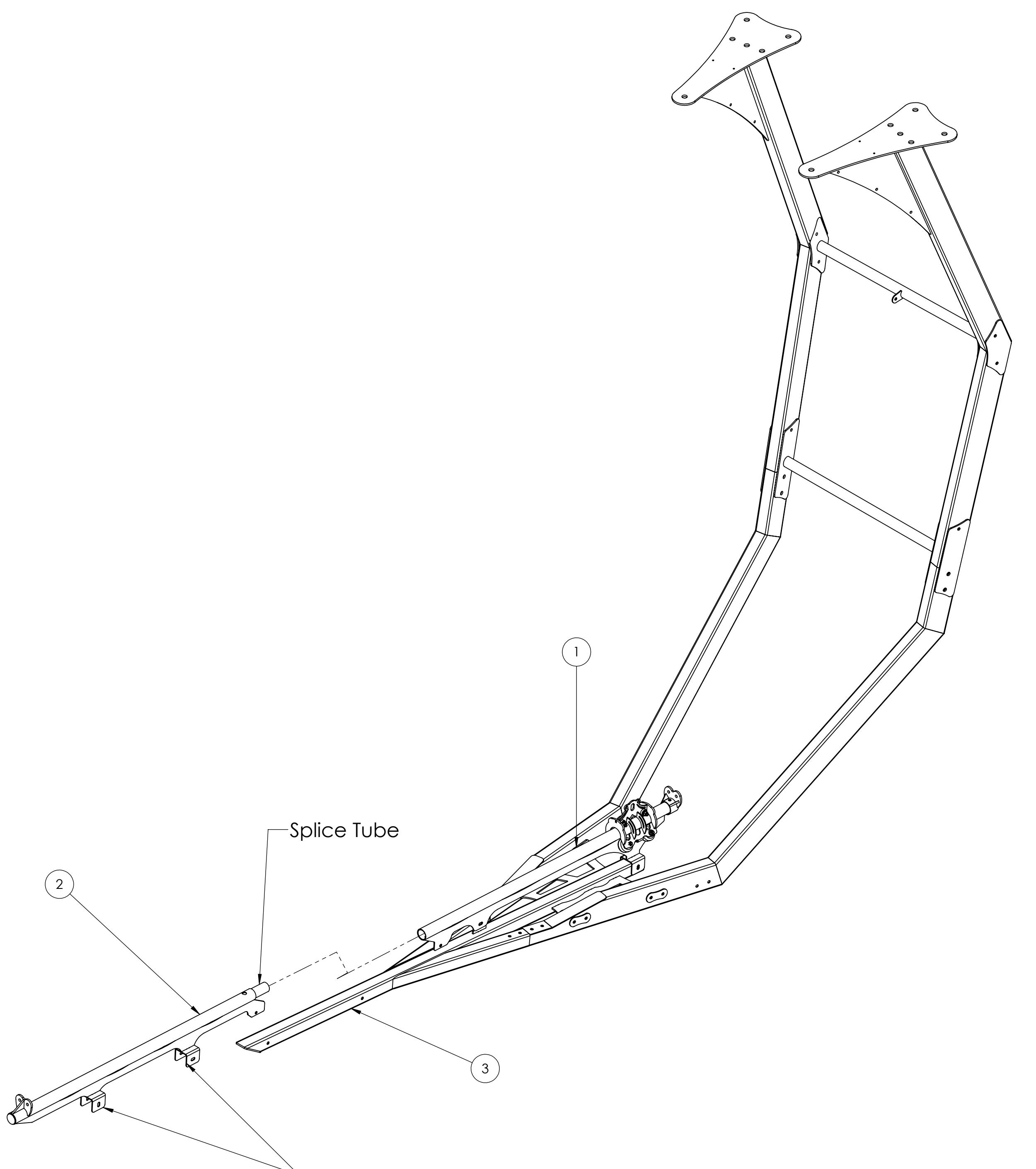
B

B

Assembly Step 6: Install Track #2

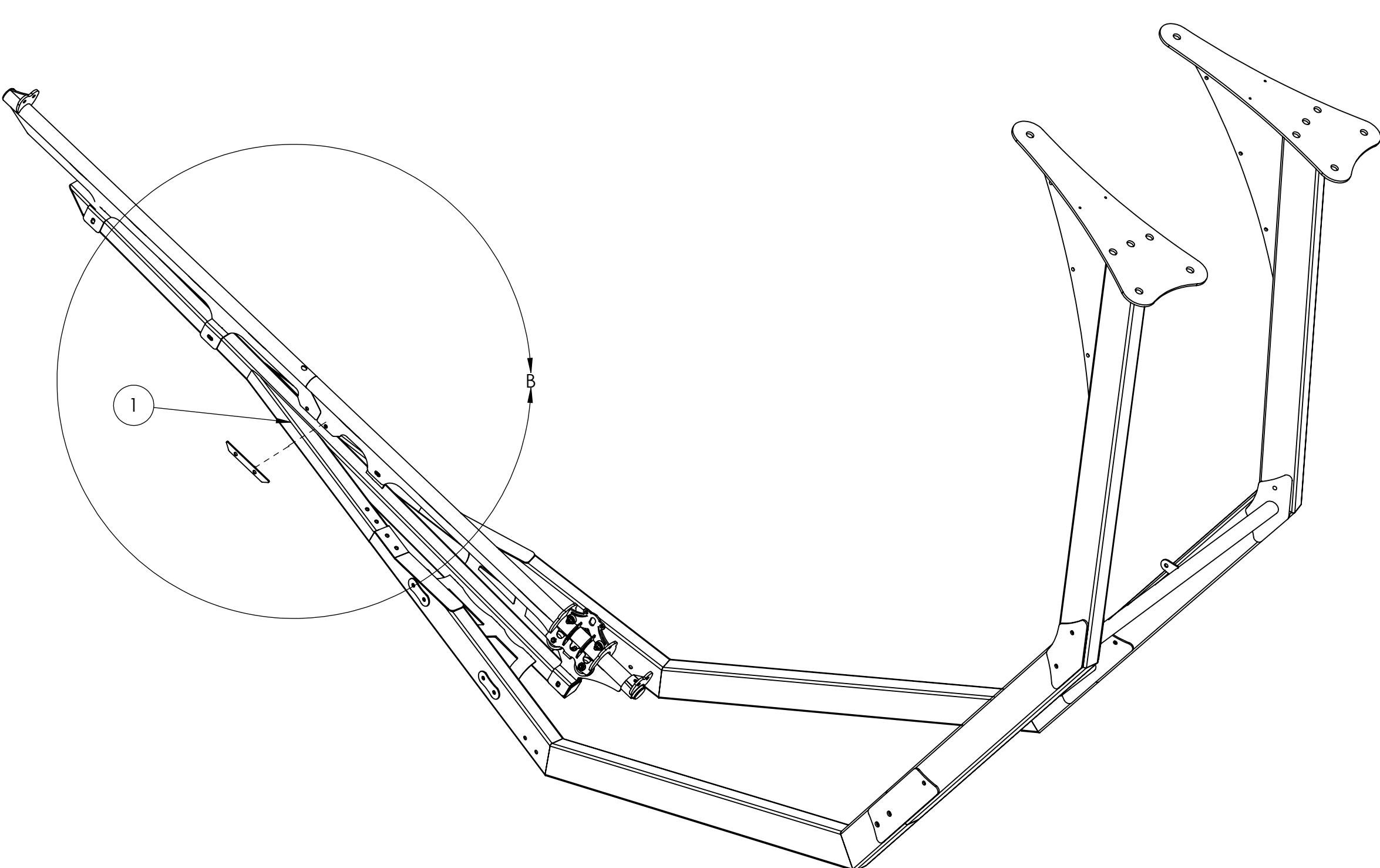
1. Lightly grease the splice tube for ease of insertion.
2. Slightly pivot up Track #1 (1) and install the Track #2 (2) onto the Track #1 (1) by sliding it inside of the Track #1 pipe.
You may need to use a rubber mallet to gently seat the two halves.
3. Attach Track #1 (1) and Track #2 (2) to the Track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

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

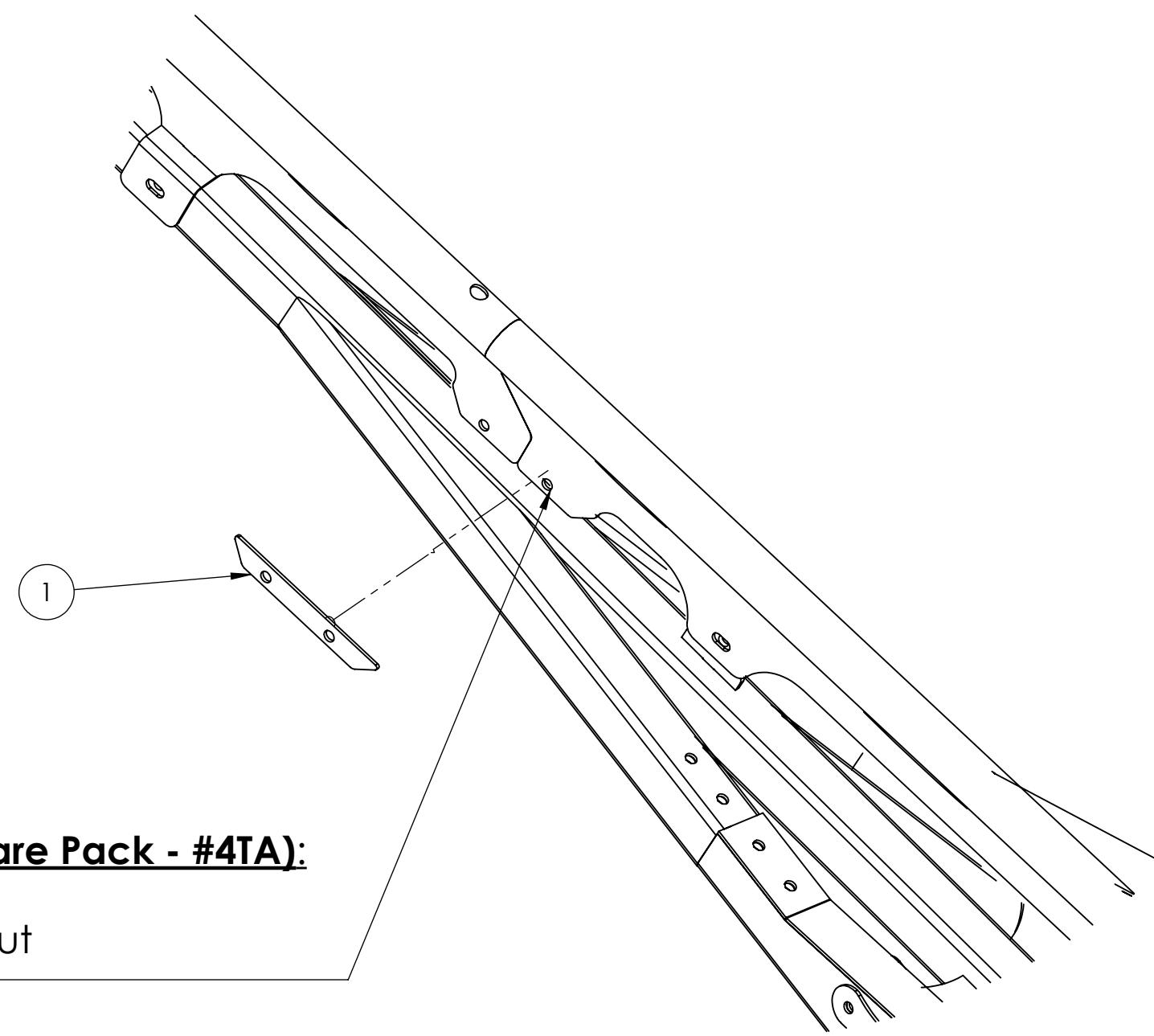
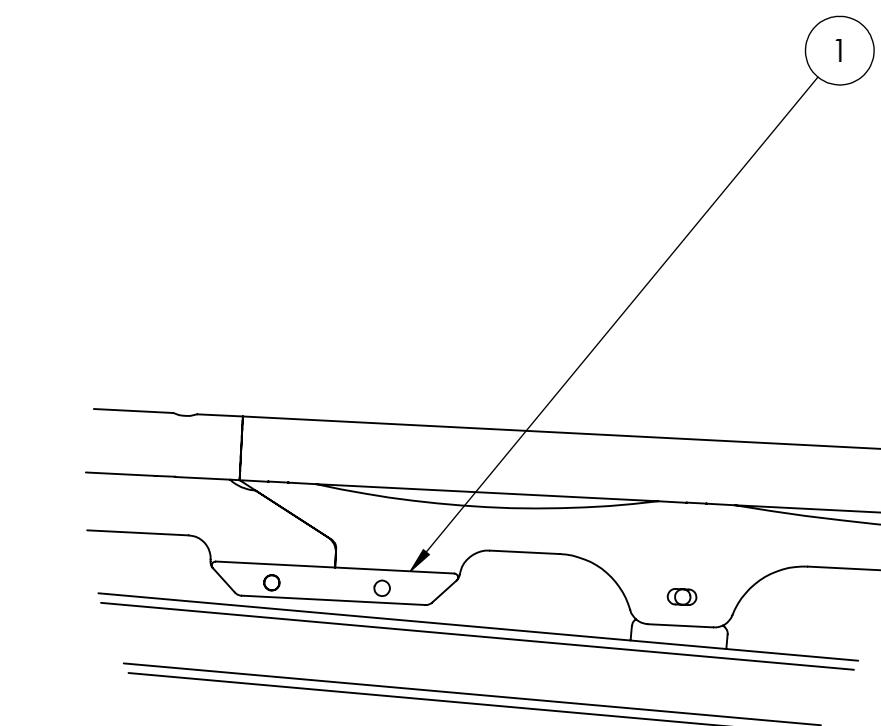


Assembled Part

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THREE PLANE DECOM: 2.05 [0.327]		REPRODUCTION IN PART OR AS A WHOLE
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SCALE: 1:1	WEIGHT: 270.04	SHEET 9 OF 22


Required Hardware (Hardware Pack - #4TA):

- (2x) 3/8"-16 x 1" Bolt
- (2x) 3/8"-16 Nylon Lock Nut
- (4x) 3/8" washers


DETAIL B
SCALE 1 : 5

Assembled Part
DETAIL C
SCALE 1 : 5

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*****

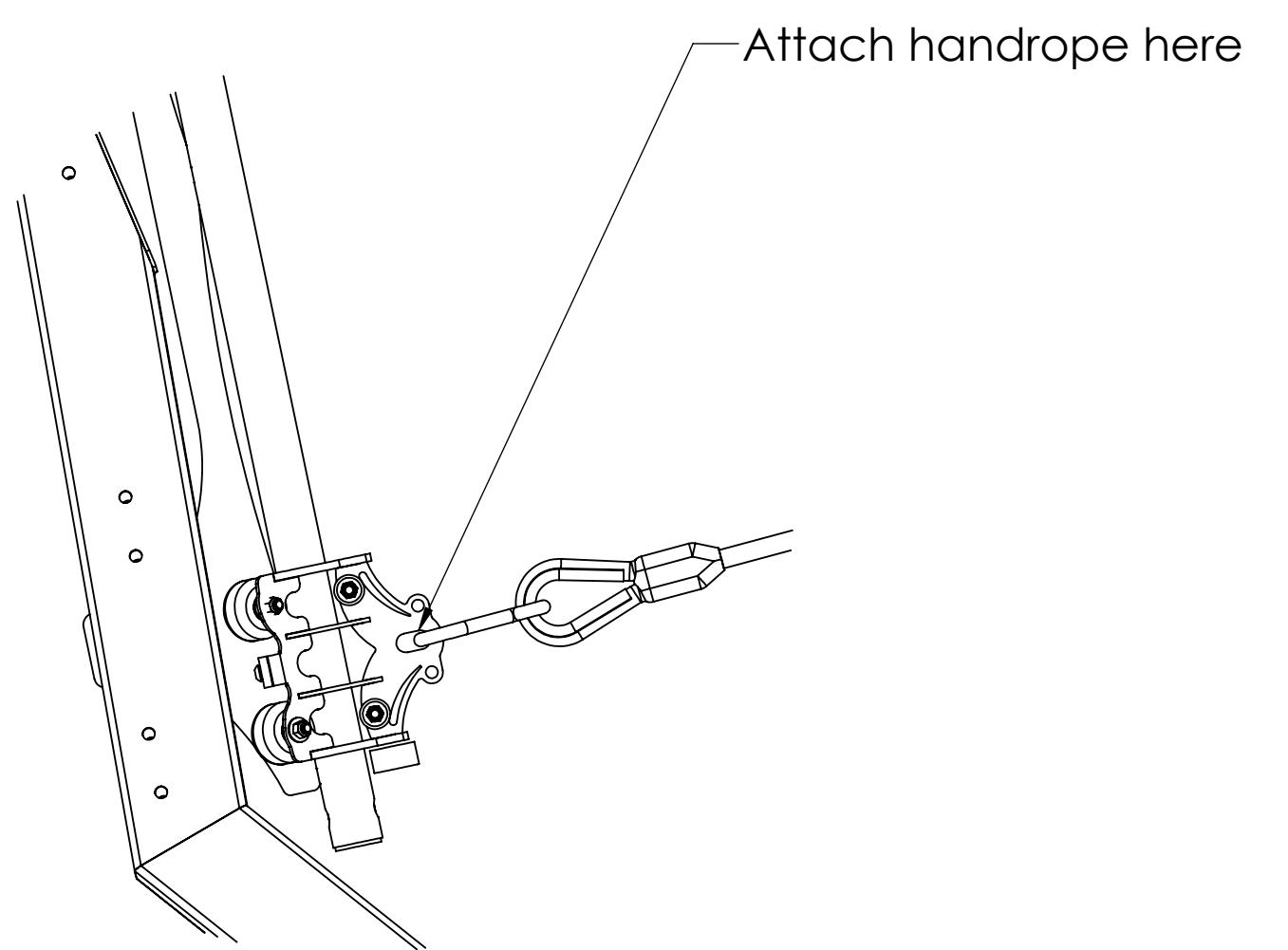
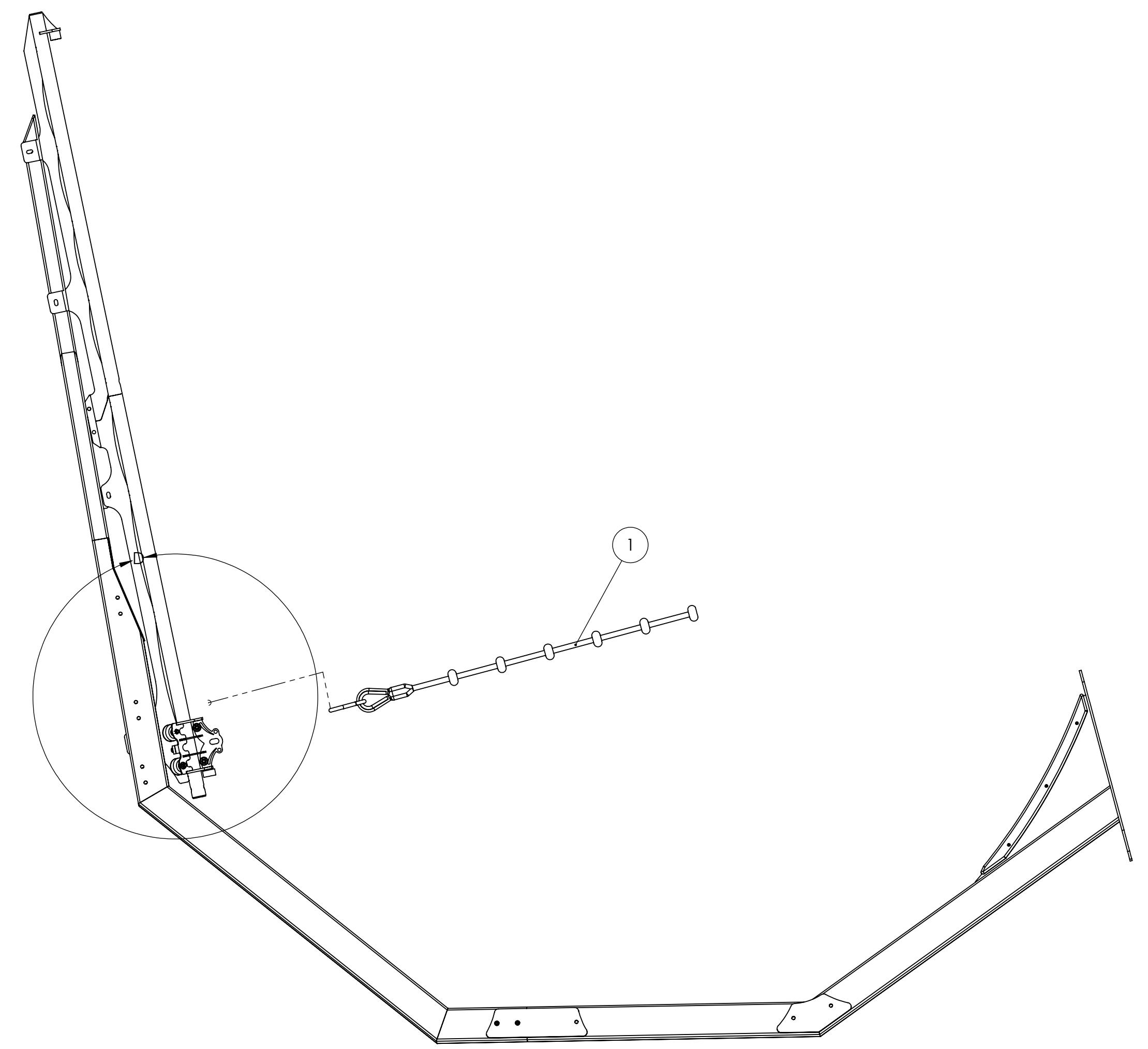
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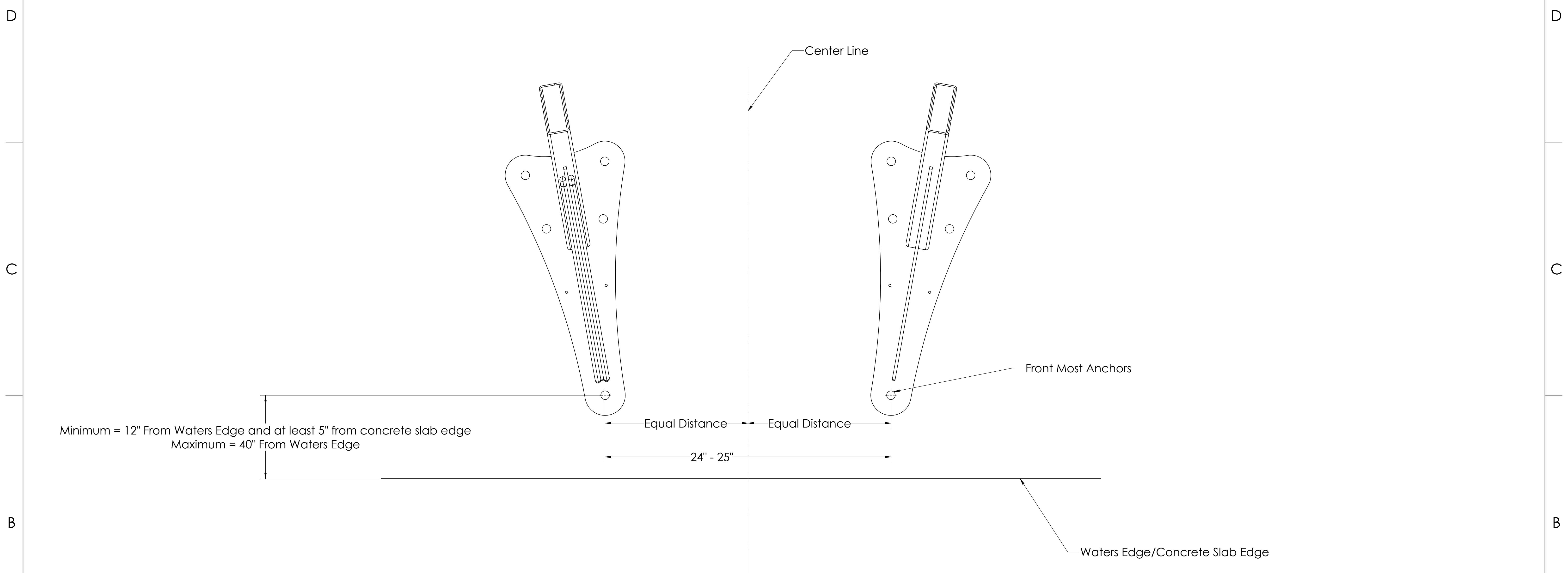
A A

**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.

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	SHEET 11 OF 22



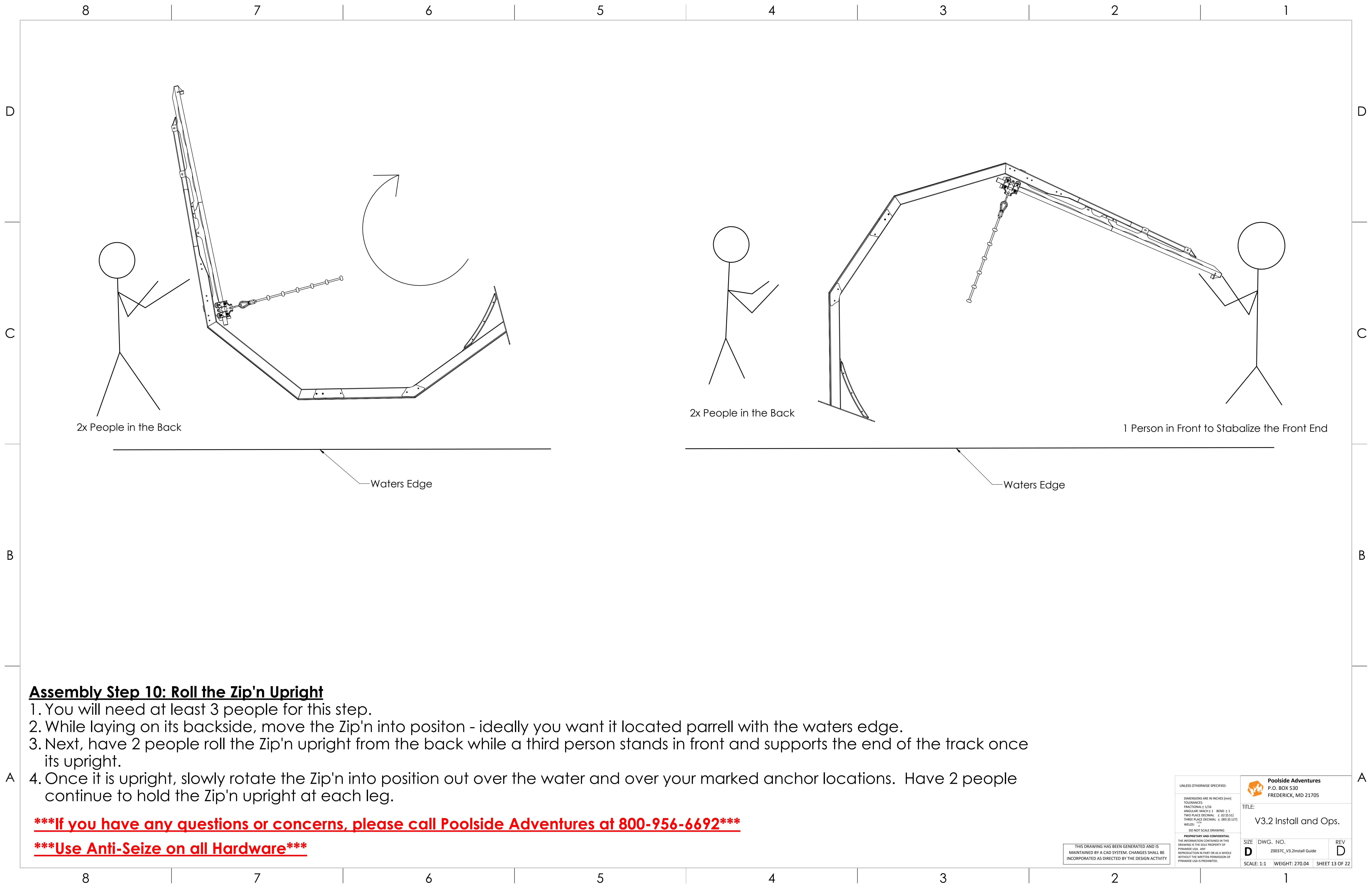
Assembly Step 9: Mark the Anchor Locations and Center Line

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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TOLERANCES				
FRACTIONAL: $\pm 1/16$				
ANGULAR: MACH 1 BEND ± 1				
TWO PLACE DECIMAL: ± 0.05 [0.51]				
THREE PLACE DECIMAL: ± 0.005 [0.127]				
WELD: ± 0.06				
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D	Z0037C_V3.2Install Guide	D		
SCALE: 1:1	WEIGHT: 270.04	SHEET 12 OF 22		



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 position - ideally you want it located parallel 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.

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

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

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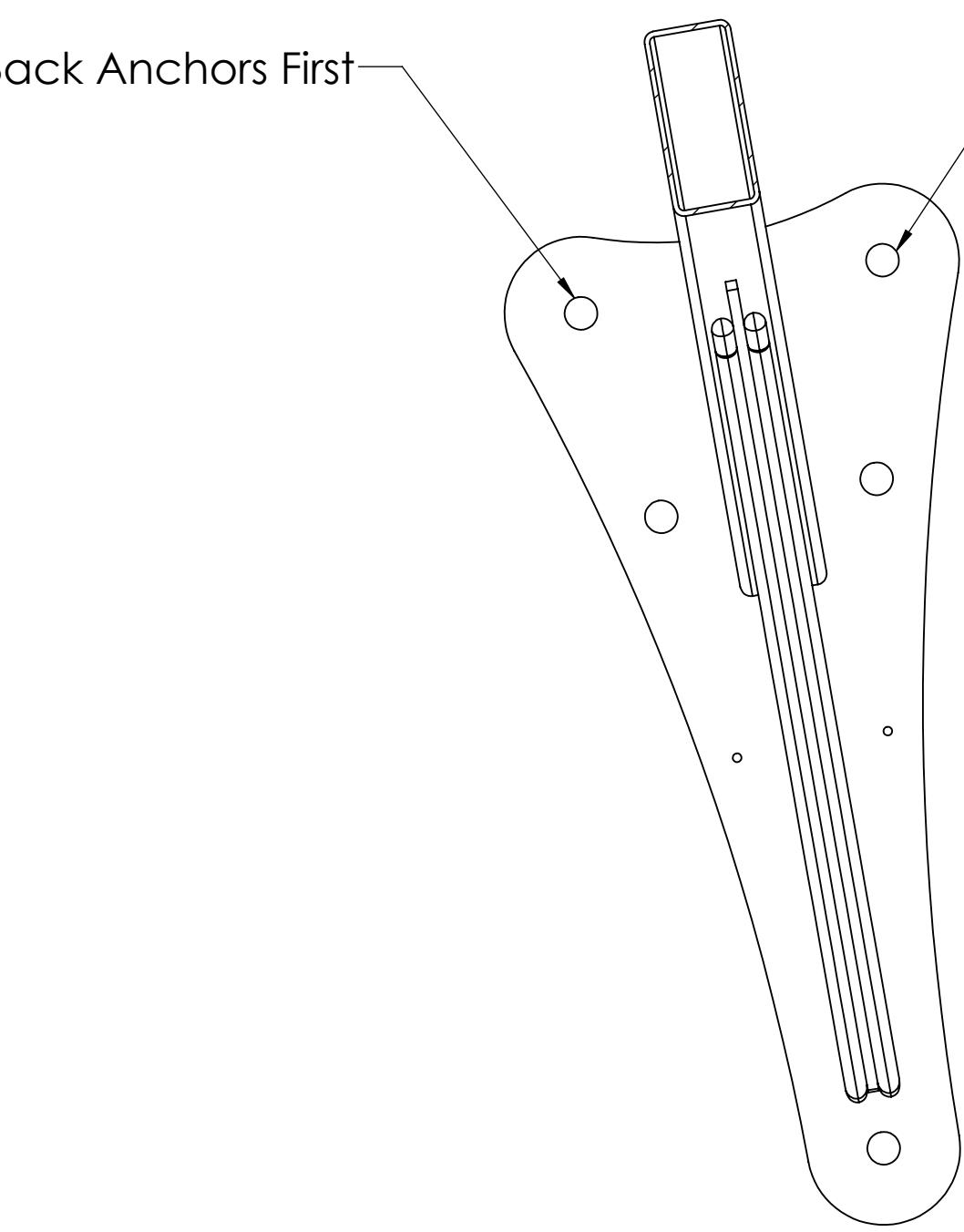
Assembly Step 11: Install The Anchors

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 tapping 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.

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

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

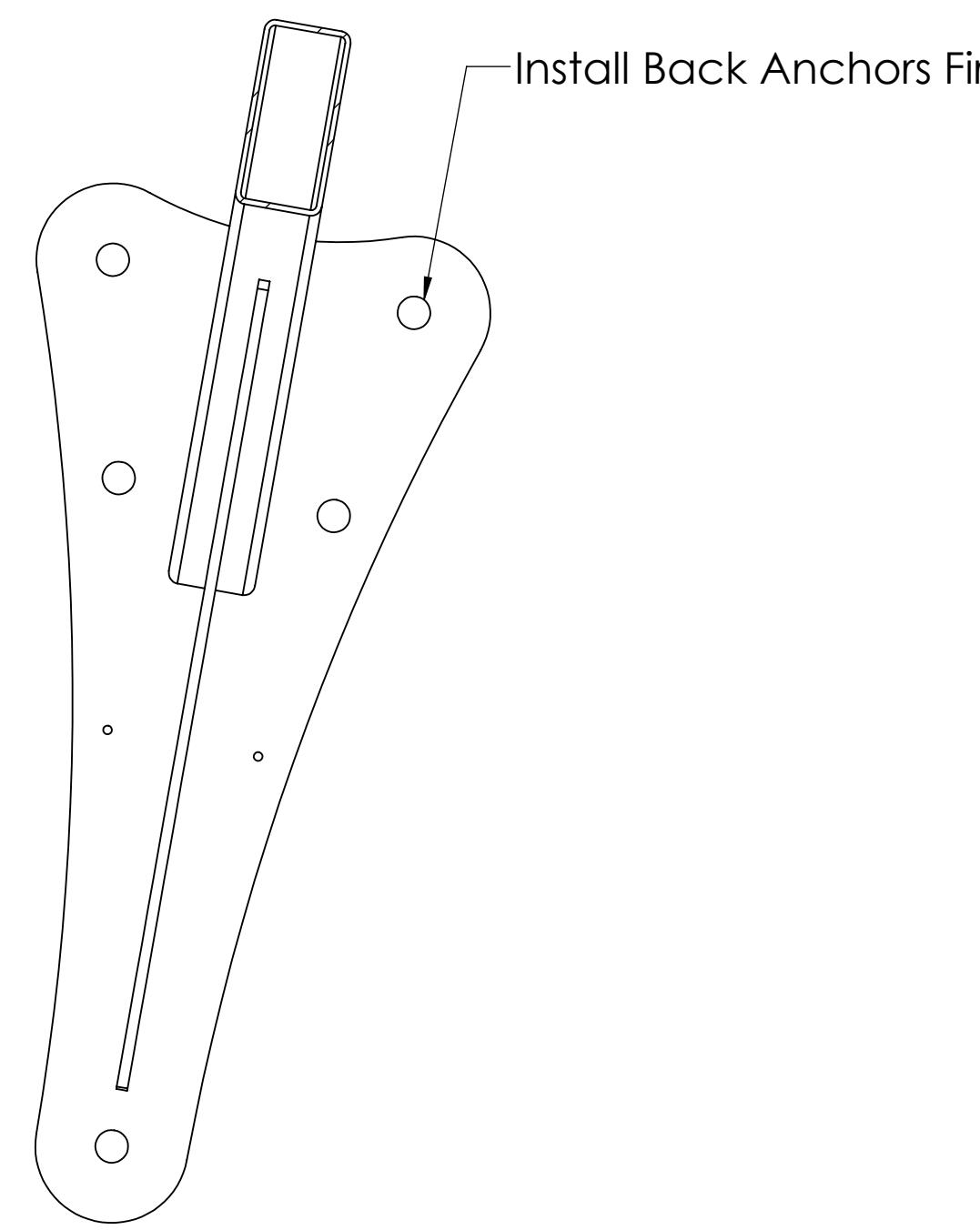
Install Back Anchors First



(x2) Required Hardware (**Hardware Pack - #1AK**):

- (x5) 5/8"-11 x 4.75" Wedge Anchor
- (x5) 5/8" Plate Washer
- (x5) 5/8"-11 Nut
- (x5) 5/8"-11 Acorn Nut

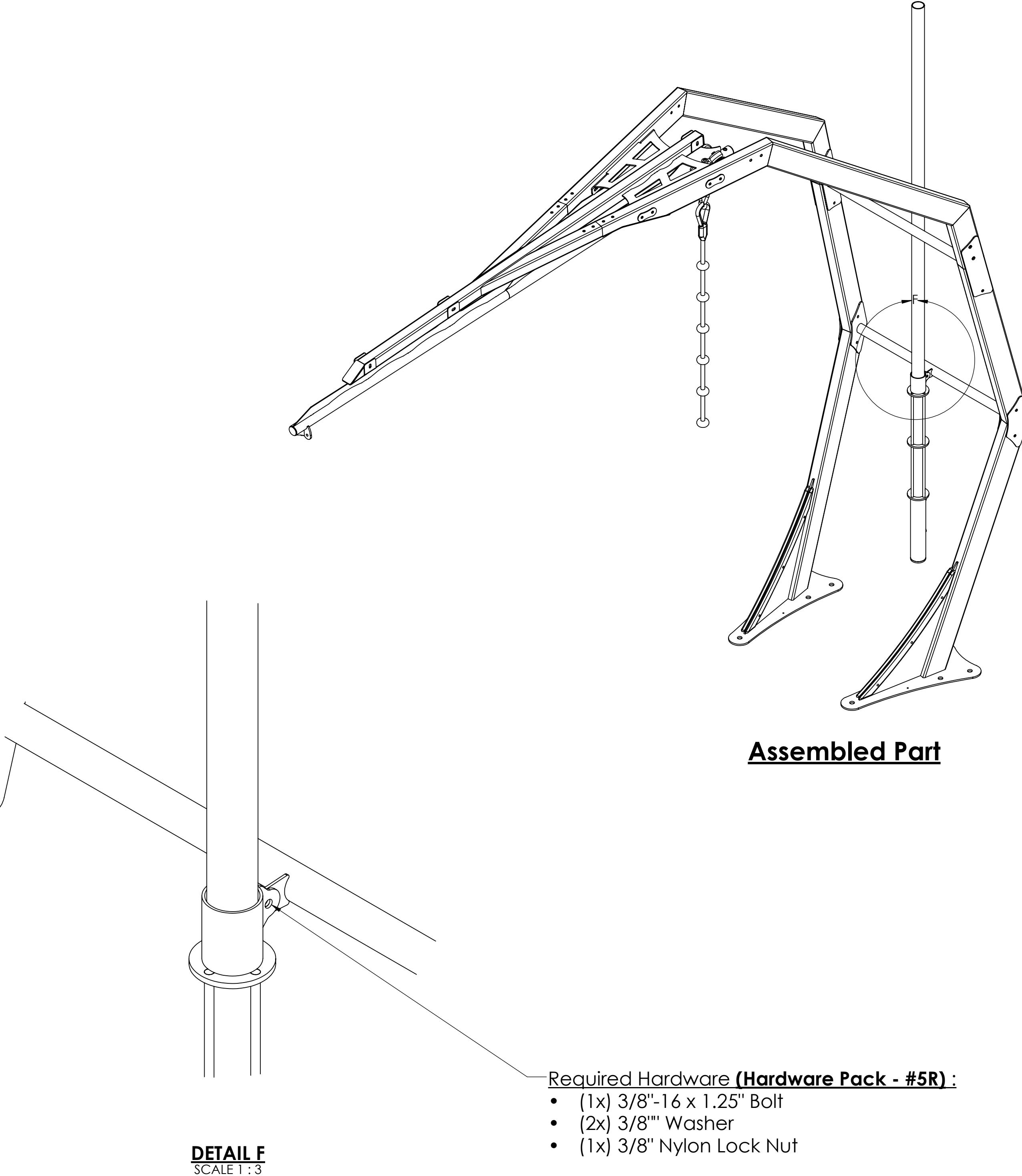
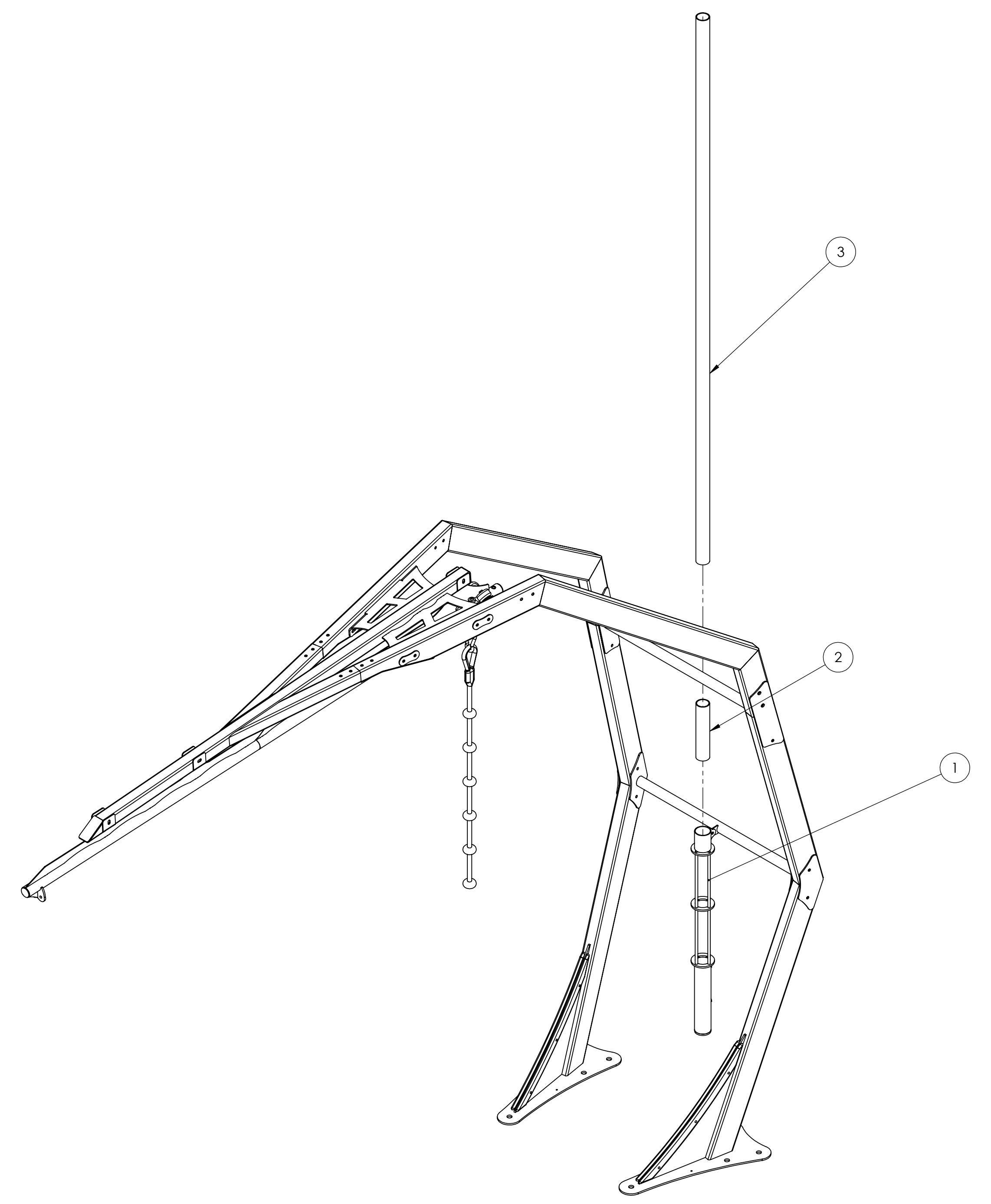
Install Back Anchors First



Anchor Requirements:

- 5/8" Masonry Drill Bit
- 3.125" Min. Anchor Embedment

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TOLERANCES		
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ANGULAR: MACH 1 BEND $\pm 1^\circ$		
TOOL: DECMAL ± 0.05 [0.13]		
THREE PLACE DECIMAL ± 0.005 [0.127]		
WELD: $\pm 1/16$		
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SCALE: 1:1	WEIGHT: 270.04	SHEET 14 OF 22



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

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

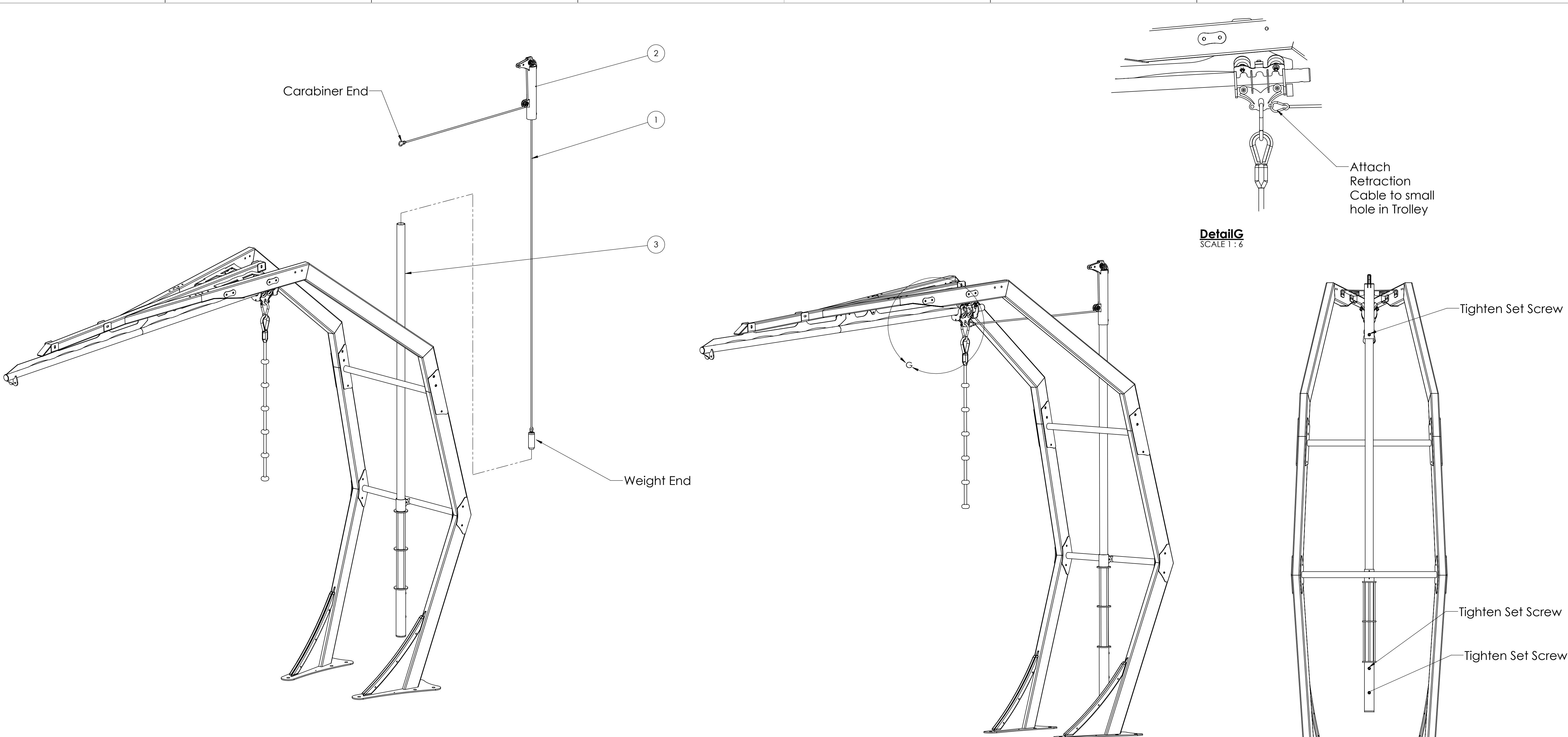
2. It is important to only install one bolt, the bottom bolt, so that the Retraction Bracket is able to pivot with the movement of the system. Tighten the bolt just enough so there is no rattle but the bracket can still pivot. See the Detail F above.

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*****

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TOLERANCES		
FRACTIONAL: $\pm 1/16$		
ANGULAR: MACH 1 BEND ± 1		
TWO PLANE DECIMAL: ± 0.05 [0.13]		
THREE PLANE DECIMAL: ± 0.05 [0.127]		
WELD: $\pm 10\%$		
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SIZE	DWG. NO.	REV
D	Z0037C_V3.2Install Guide	D
SCALE: 1:1		WEIGHT: 270.04
SHEET 15 OF 22		



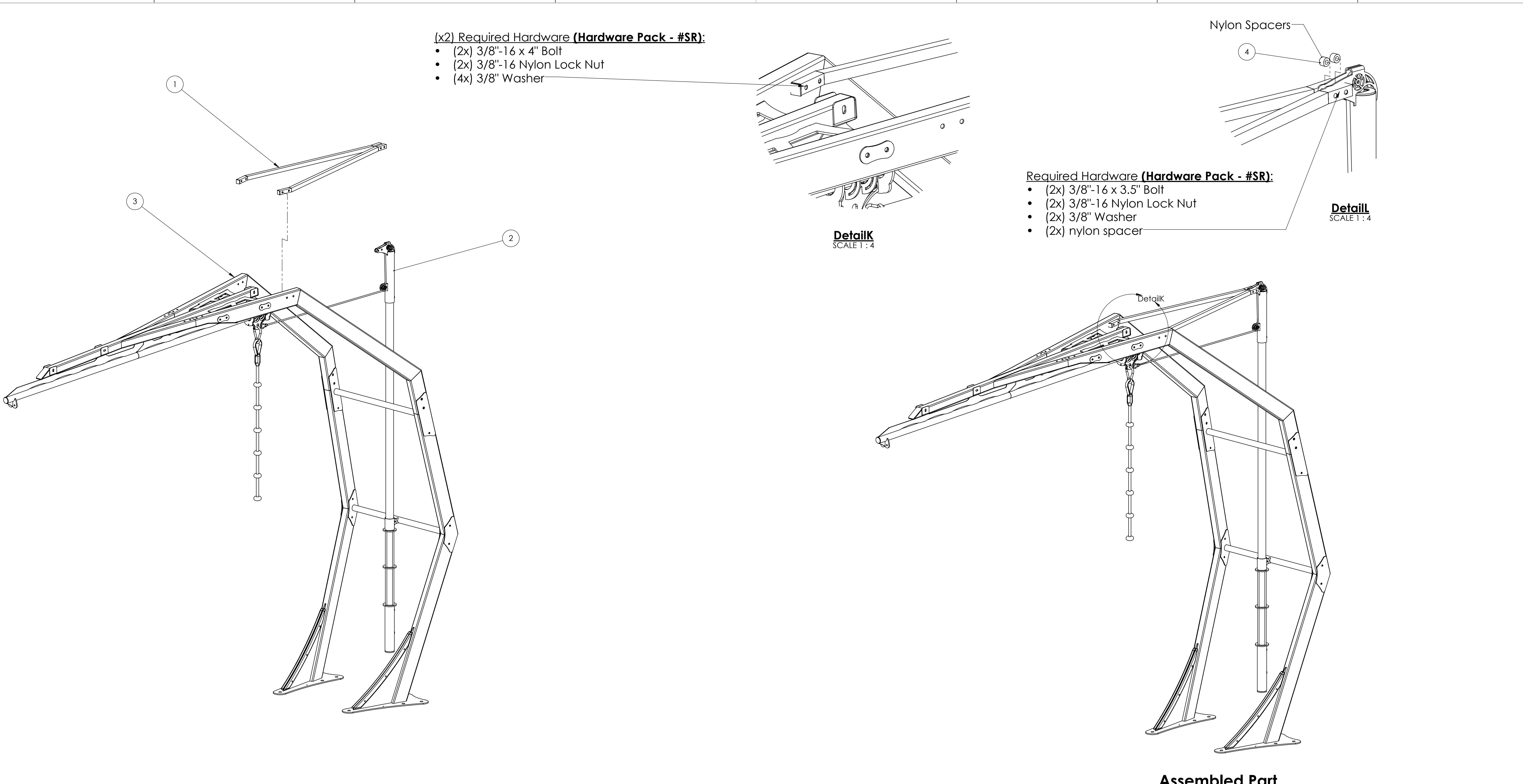
Assembled Part

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 within the Retraction Brackets. **DO NOT OVERTIGHTEN, RISK OF CRACKING TUBES.**

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

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [mm] TOLERANCES: FRACTIONAL: $\pm 1/16$ ANGULAR: MACH 1 BEND $\pm 1^\circ$ TWO PLACES DECIMAL: ± 0.05 [0.51] THREE PLACES DECIMAL: ± 0.005 [0.127] WELD: $\pm 10\%$ DO NOT SCALE DRAWING	Poolside Adventures P.O. BOX 530 FREDERICK, MD 21705
	TITLE: V3.2 Install and Ops.
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	SCALE: 1:1 WEIGHT: 270.04 SHEET 16 OF 22

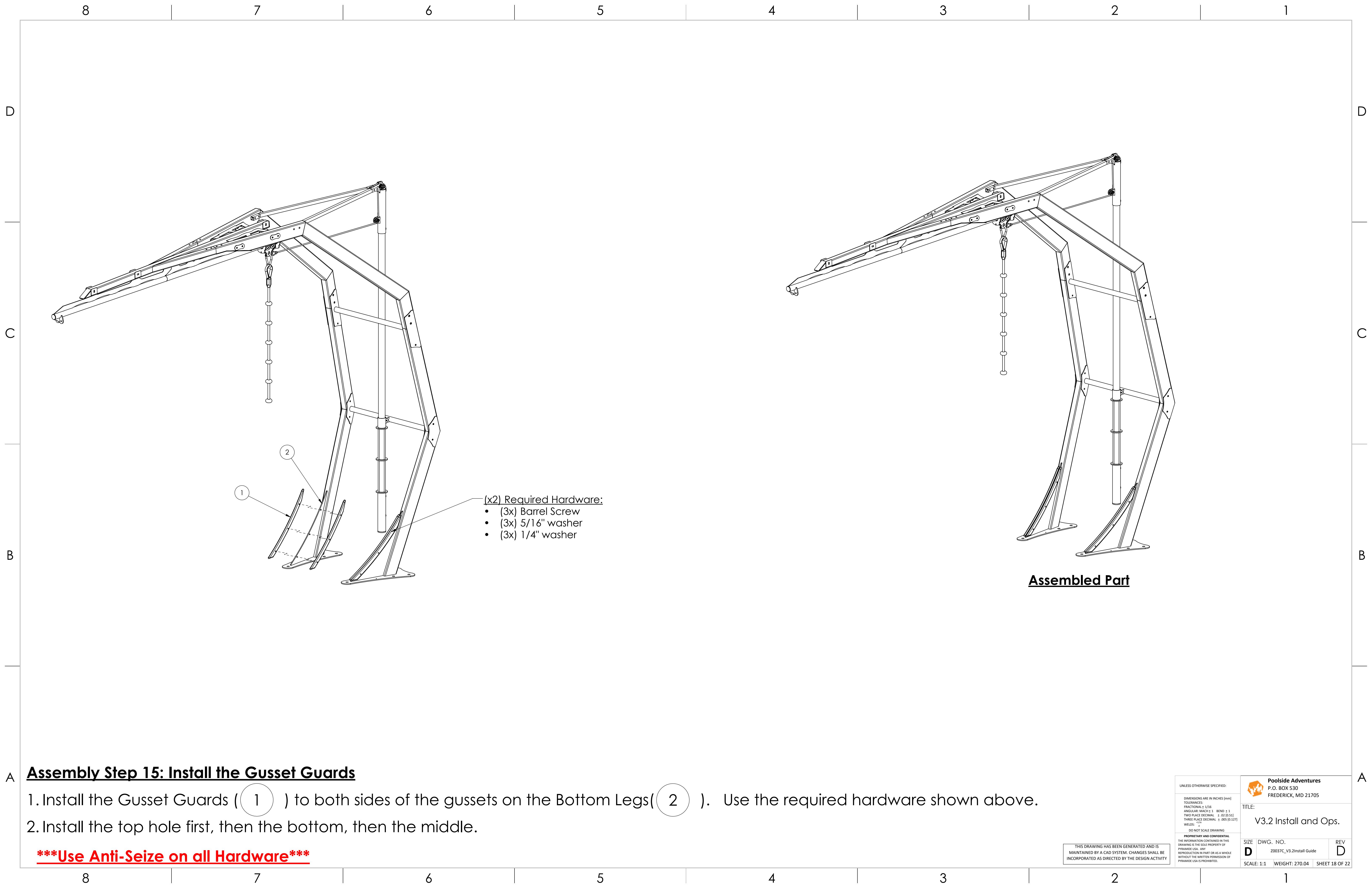


Assembly Step 14: Install the Struts

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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DIMENSIONS ARE IN INCHES [mm]		
TOLERANCES		
FRACTIONAL: $\pm 1/16$		
ANGULAR: MACH 1 BEND ± 1		
THREE PLANE DECMAL: ± 0.05 [0.13]		
WELD: $\pm 1/16$		
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SIZE DWG. NO. Z0037C_V3.2Install Guide	REV D	REV D
SCALE: 1:1	WEIGHT: 270.04	SHEET 17 OF 22



Assembly Step 15: Install the Gusset Guards

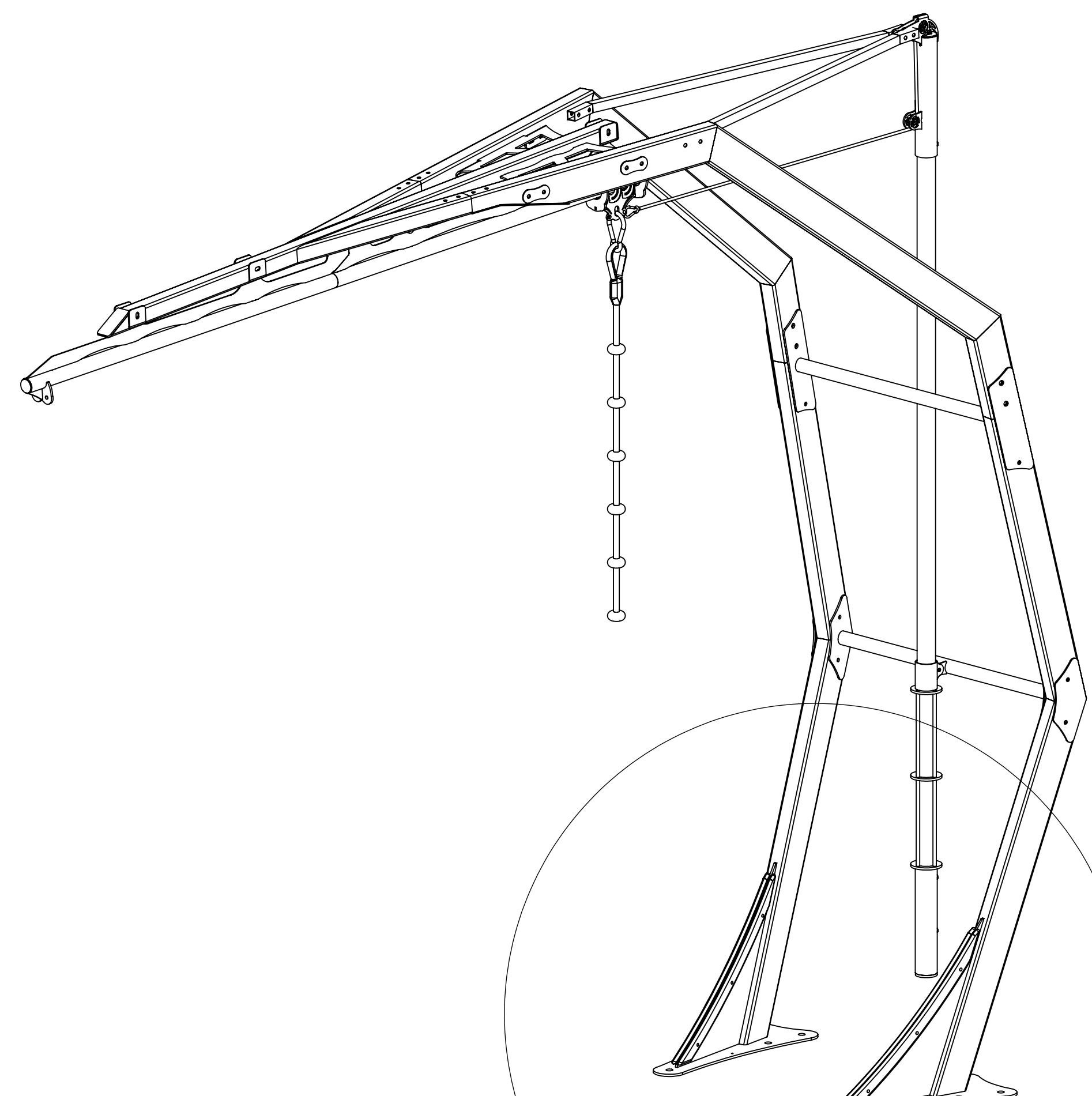
1. Install the Gusset Guards (1) to both sides of the gussets on the Bottom Legs (2). Use the required hardware shown above.
2. Install the top hole first, then the bottom, then the middle.

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

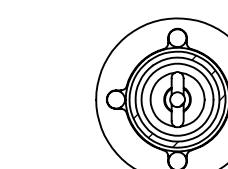
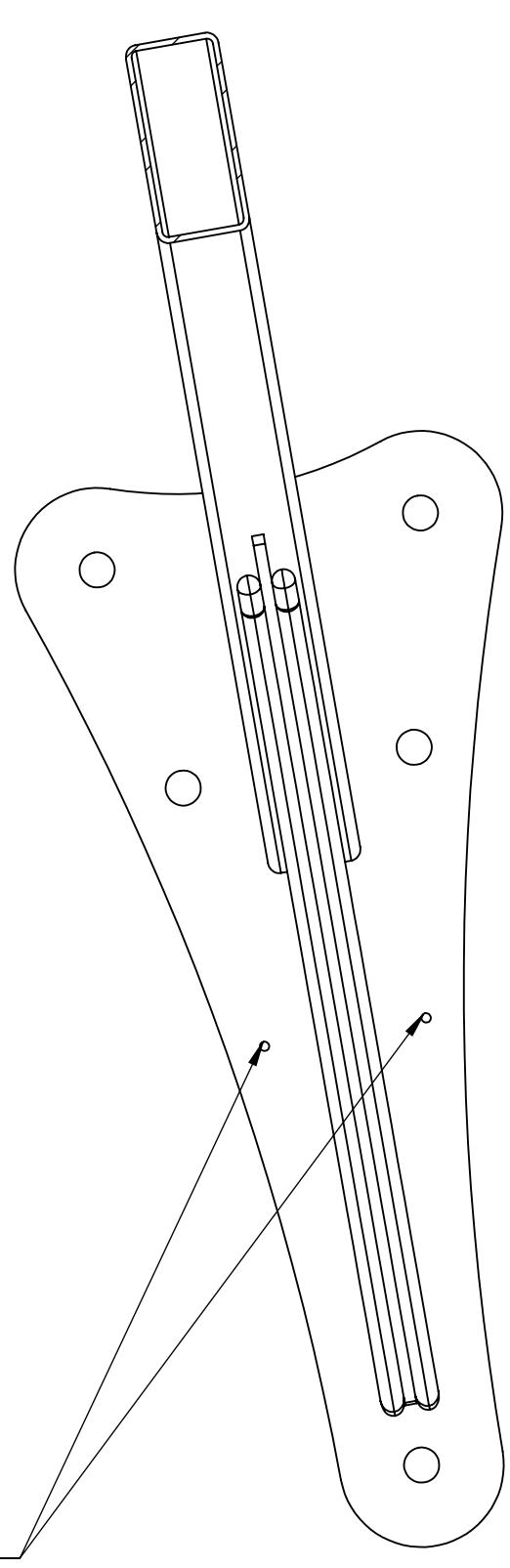
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DIMENSIONS ARE IN INCHES [mm]		
TOLERANCES:		
FRACTIONAL: $\pm 1/16$		
ANGULAR: MACH 1 BEND ± 1		
TWO PLANE DECIMAL: ± 0.05 [0.13]		
THREE PLANE DECIMAL: ± 0.05 [0.13]		
WELD: $\pm 1/8$		
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SCALE: 1:1 WEIGHT: 270.04 SHEET 18 OF 22		

8 7 6 5 4 3 2 1

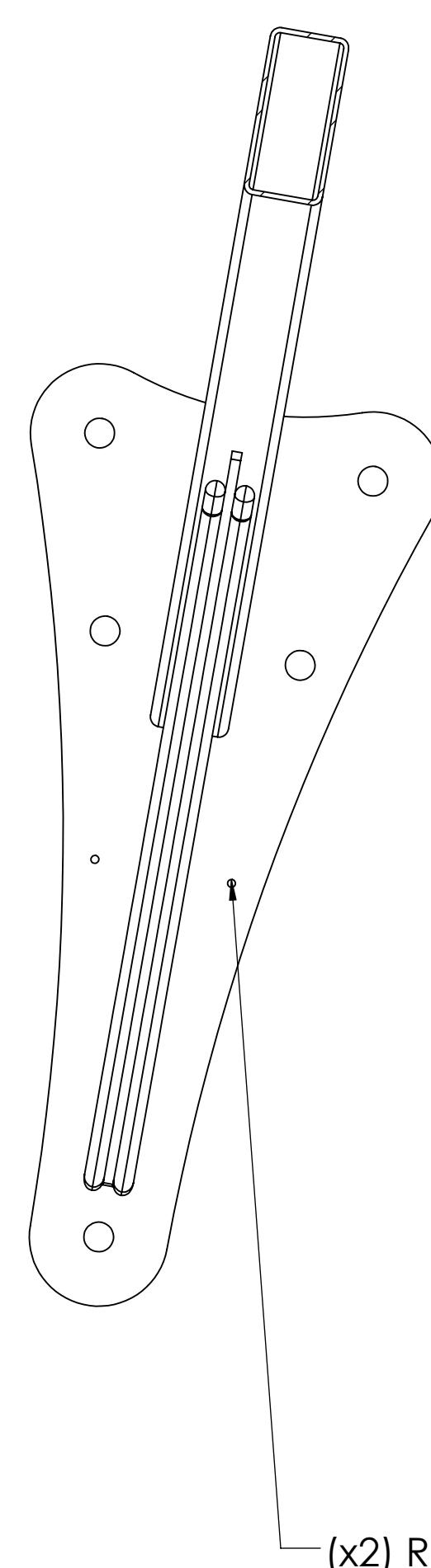
D D



Bonding screw attachment location



Detail R-Detail R
SCALE 1 : 4



(x2) Required Hardware (Hardware Pack - #5R) :

- (1x) 1/4"-20 x .50" bolt
- (2x) 1/4" washer

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.

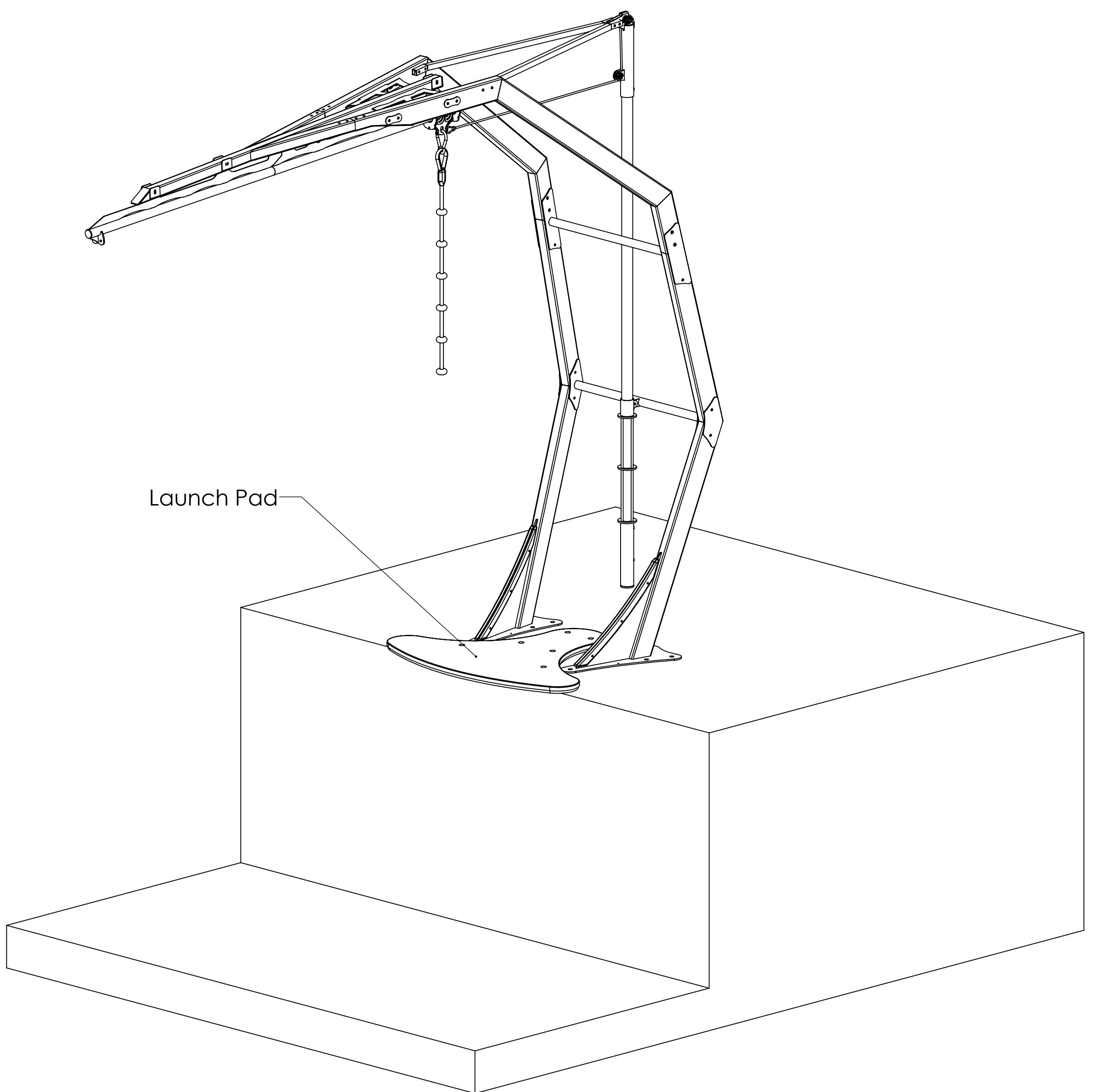
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TOLERANCES		
FRACTIONAL: $\pm 1/16$		
ANGULAR: MACH 1 BEND ± 1		
DECIMAL: ± 0.031		
THREE PLACE DECIMAL: ± 0.005 [0.127]		
WELD: ± 0.06		
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SCALE: 1:1 WEIGHT: 270.04 SHEET 19 OF 22		

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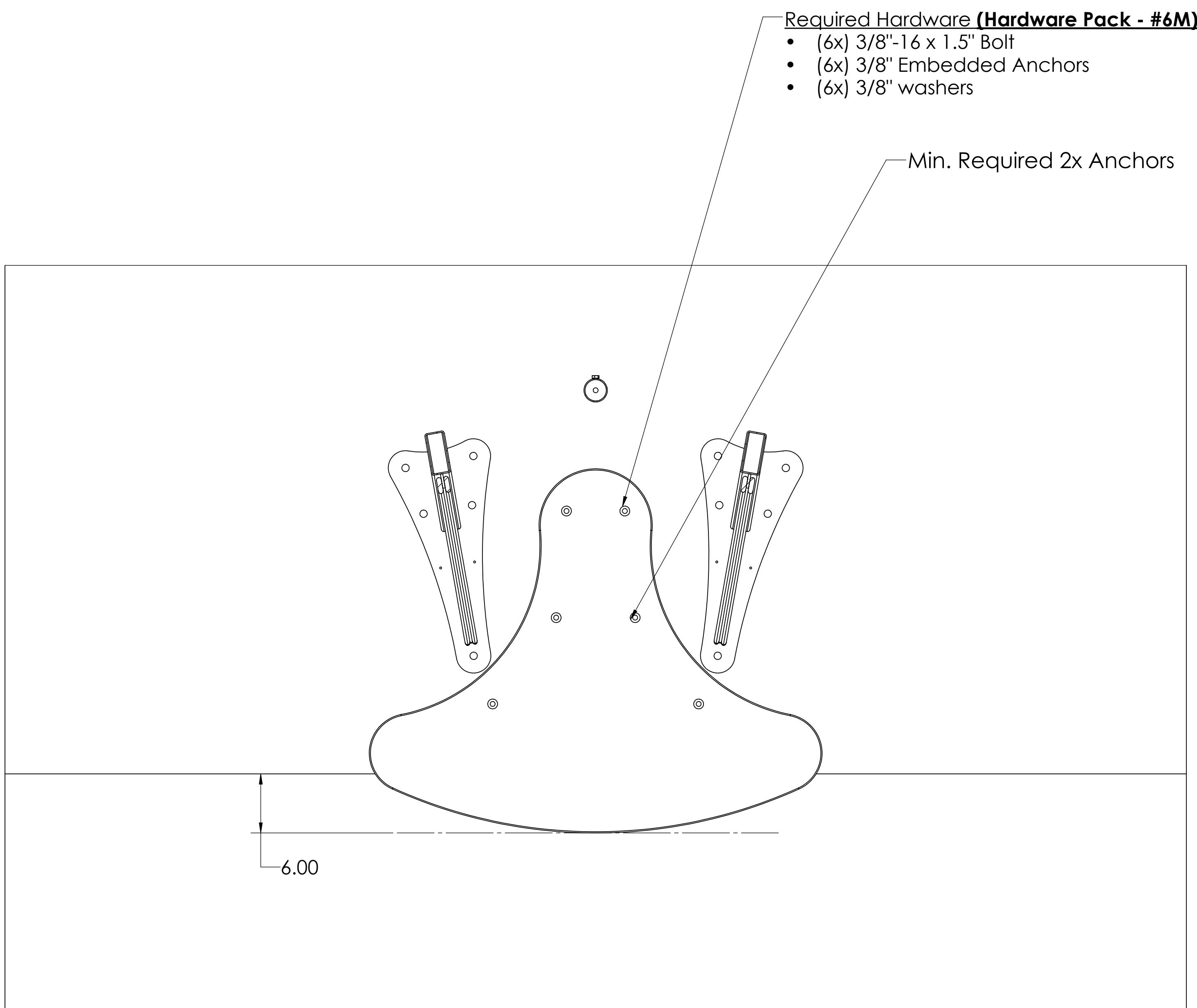
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Assembly Step 17: Standard Launch Pad Installation

1. Position the Launch Pad centered between the legs of the AquaZip'n.
2. Make sure the Launch Pad overhangs the edge of the deck by 6". See Detail above.
3. Install the pad to the pool deck by using the hardware provided, shown above.
4. Install a minimum of 2qty anchors.

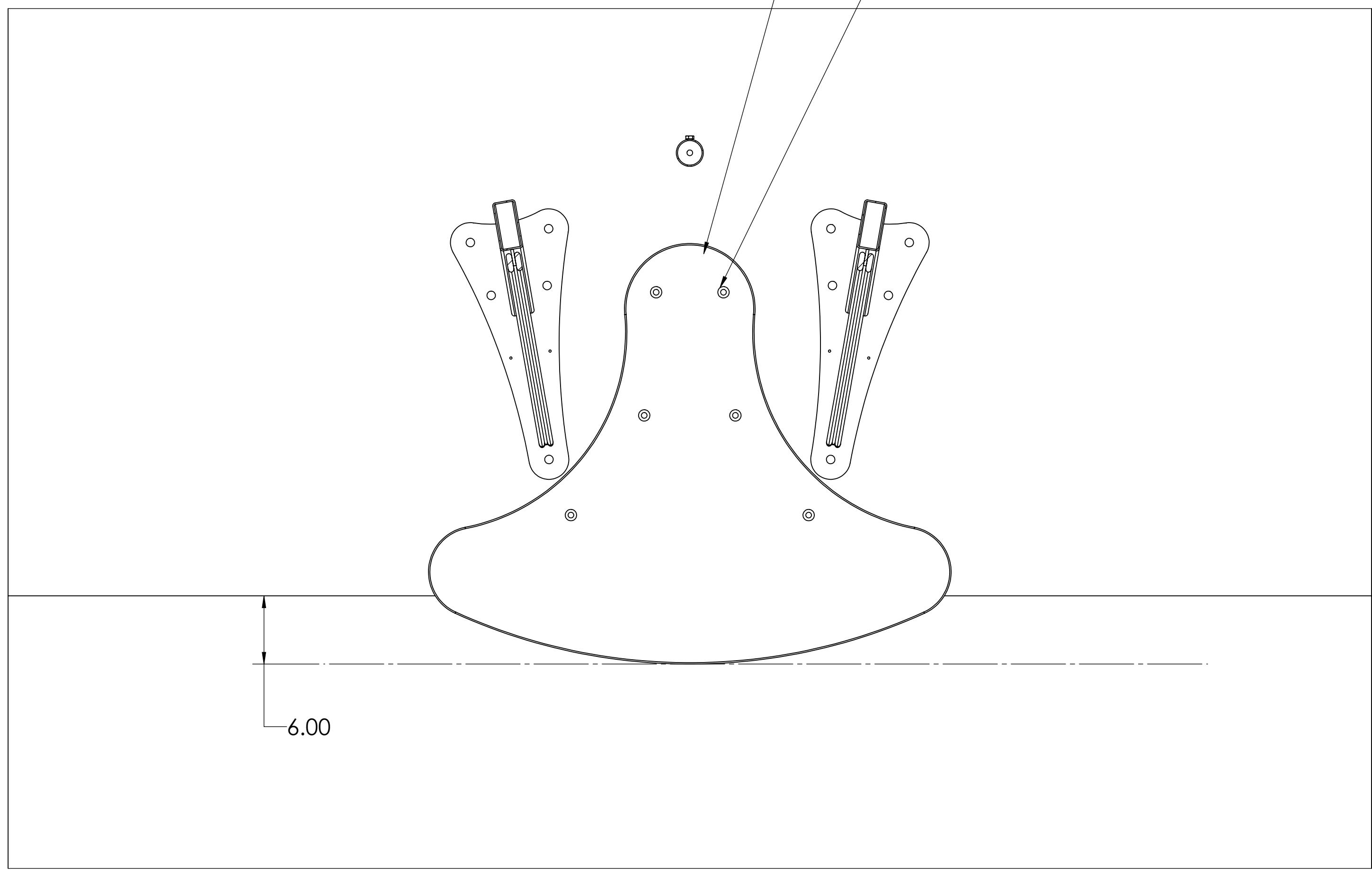
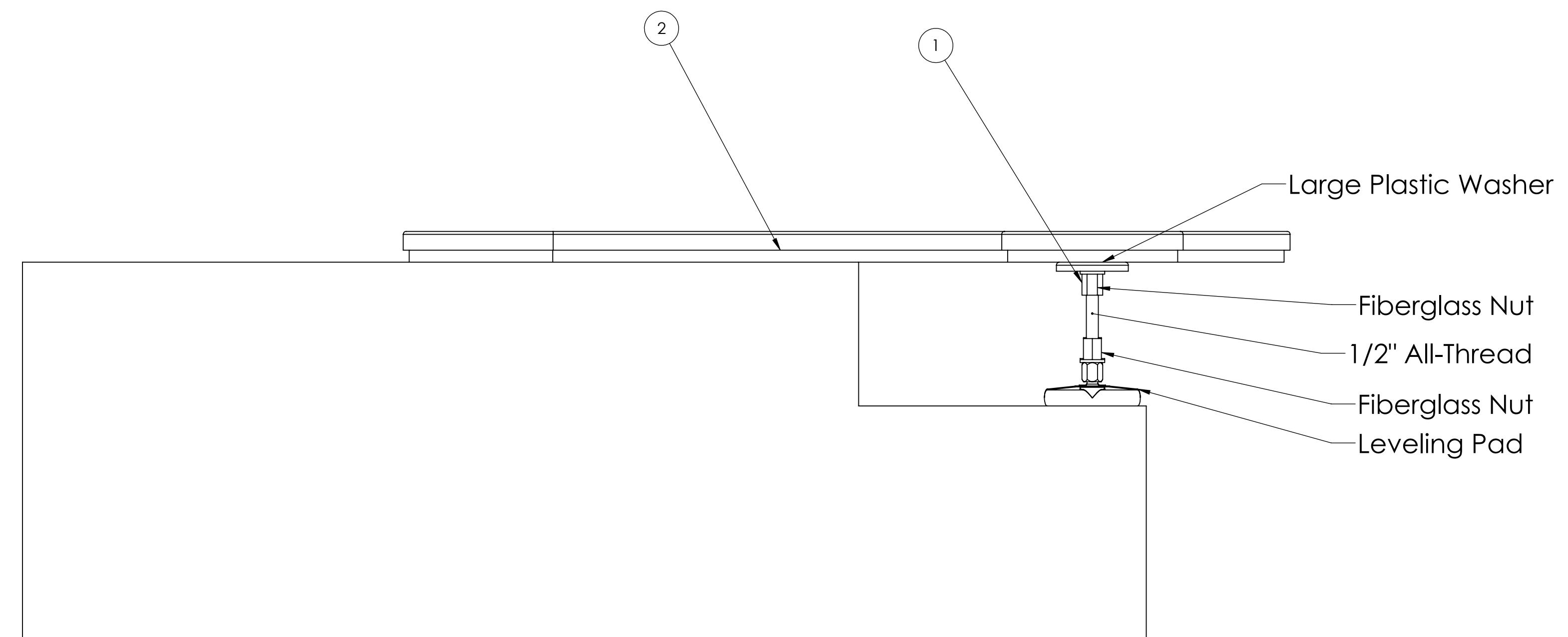
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DIMENSIONS ARE IN INCHES [mm]		
TOLERANCES		
FRACTIONAL: ± 1/16 ANGULAR: MACH 1 BEND ± 1 TWO PLACES DECIMAL ± .005 [0.13]		
THREE PLACES DECIMAL ± .005 [0.127]	WELD: -0.06	DO NOT SCALE DRAWING
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SCALE: 1:1	WEIGHT: 270.04	SHEET 20 OF 22

D

D



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 specially 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 securely 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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TOLERANCES:		
FRACTIONAL: $\pm 1/16$		
ANGULAR: MACH 1 BEND ± 1		
TWO PLACE DECIMAL: ± 0.05 [0.51]		
THREE PLACE DECIMAL: ± 0.005 [0.127]		
WELD: $\pm 1/16$		
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SECTION V-V	DWG. NO.	REV
D	20037C_V3.2Install Guide	D
SCALE: 1:1	WEIGHT: 270.04	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.
- Visibily check the handrope for signs of wear and tear.
- Visibily 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.
- Visibily 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.
- Visibily 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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TOLERANCES		
FRACTIONAL: $\pm 1/16$ ANGULAR: MACH 1 BEND ± 1 TWO PLACES DECIMAL $\pm .00$ [0.51] THREE PLACES DECIMAL $\pm .000$ [0.127]		
WELDS: $\pm 1/8$	DO NOT SCALE DRAWING	
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