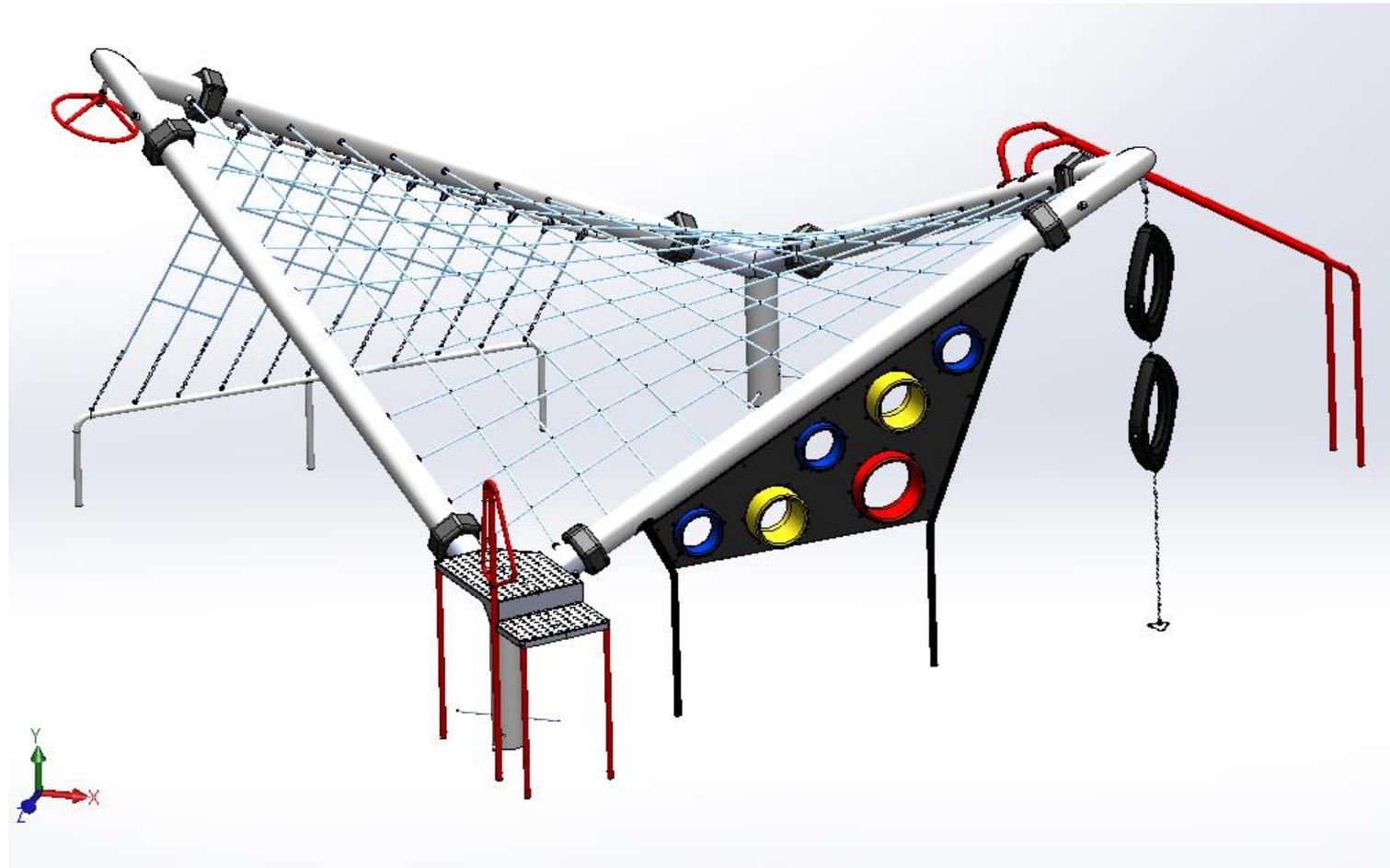


# HyPar Net Install Instruction



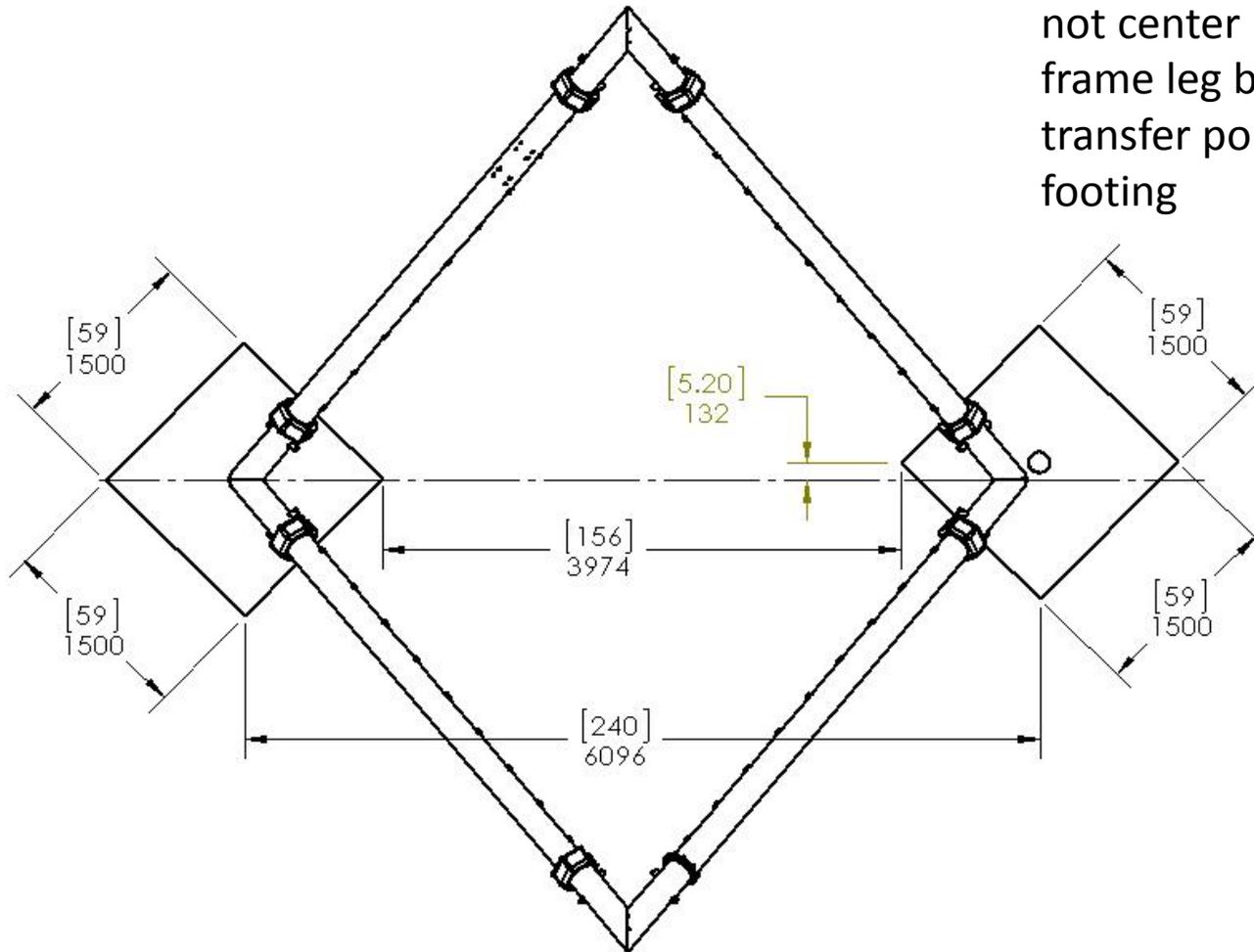
# HyPar Net Install Instruction

Follow these steps to install a Hypar net

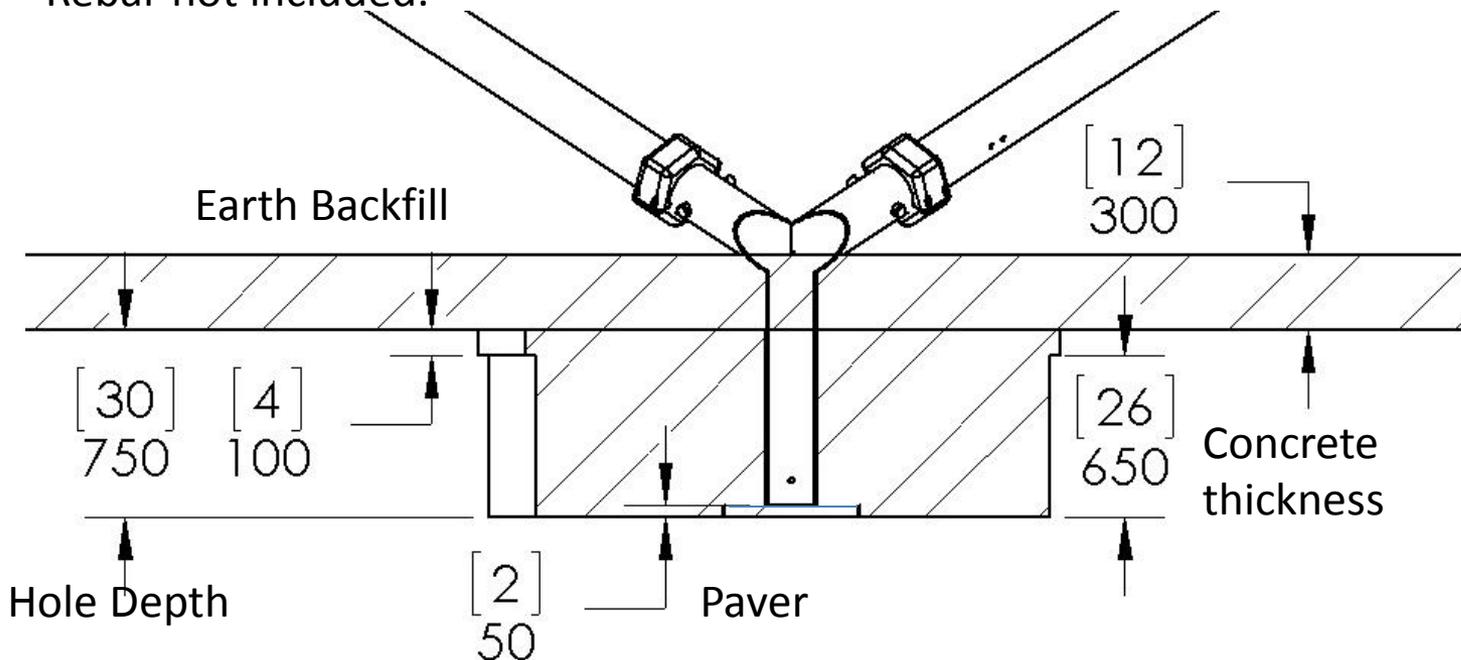
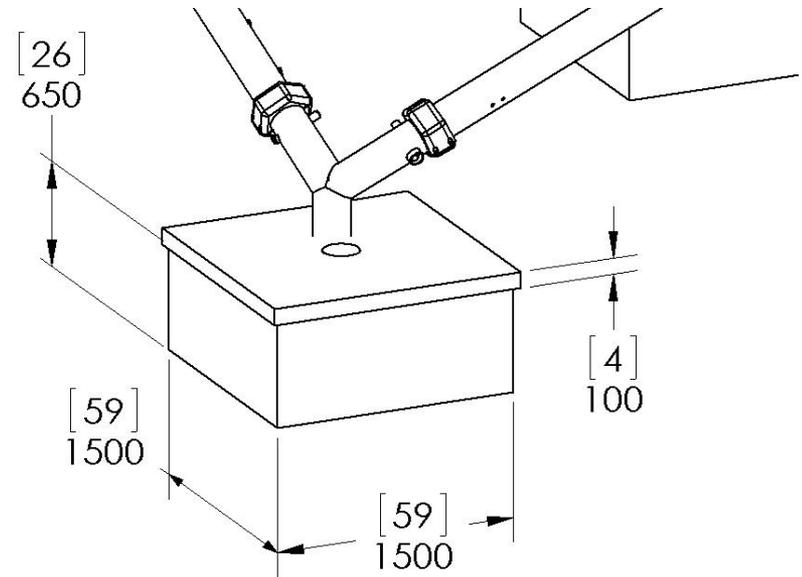
- Dig main net footings
- Assemble main frame and position in footings as shown in this document. Temporarily brace frame until the assembly is complete.
- Install main net
- Dig footings for play events
- Assemble play events as detailed
- Tighten all hardware
- Pour concrete
- After concrete sets, remove braces
- Install surfacing.

# HyPar Main Frame Footing Layout

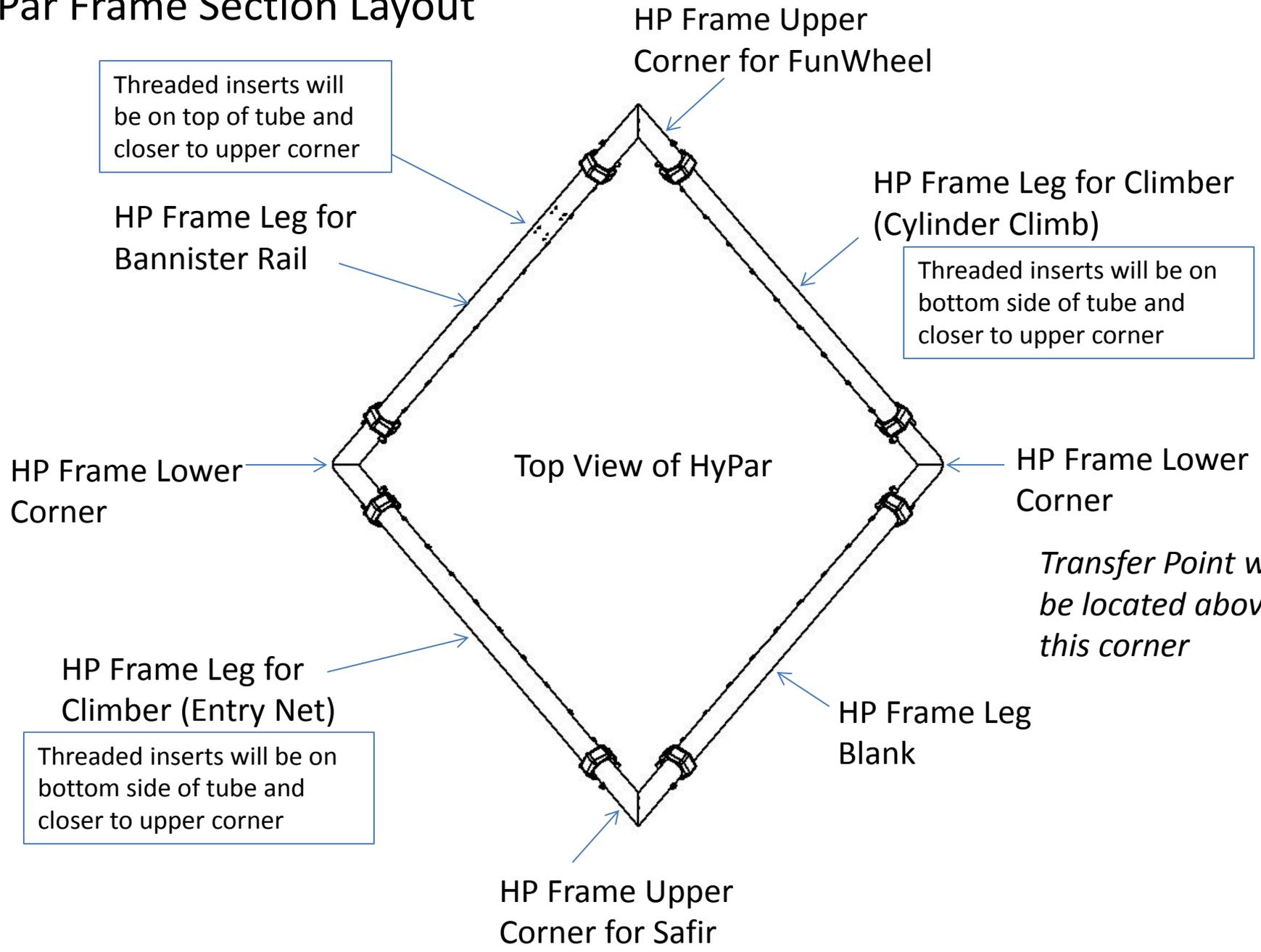
The main footing on the left as shown below does not center up on the frame leg because the transfer point shares the footing



The main frame net structure footing size is shown to the right. Below show details for footing depth. The HyPar lower frame leg will extend 40" below top of ground cover. It is recommended that 12" of loose fill surfacing be used. The actual concrete depth below grade will be 30". The Frame leg will sit on a 2" concrete paver place at the bottom of footing hole. Concrete depth shall be 26" with a 4" backfill of earth. Install two piece of 5/8" rebar x 30" long rebar into two holes in each frame leg. Rebar not included.



# HyPar Frame Section Layout



Threaded inserts will be on top of tube and closer to upper corner

HP Frame Leg for Bannister Rail

HP Frame Upper Corner for FunWheel

HP Frame Leg for Climber (Cylinder Climb)

Threaded inserts will be on bottom side of tube and closer to upper corner

HP Frame Lower Corner

Top View of HyPar

HP Frame Lower Corner

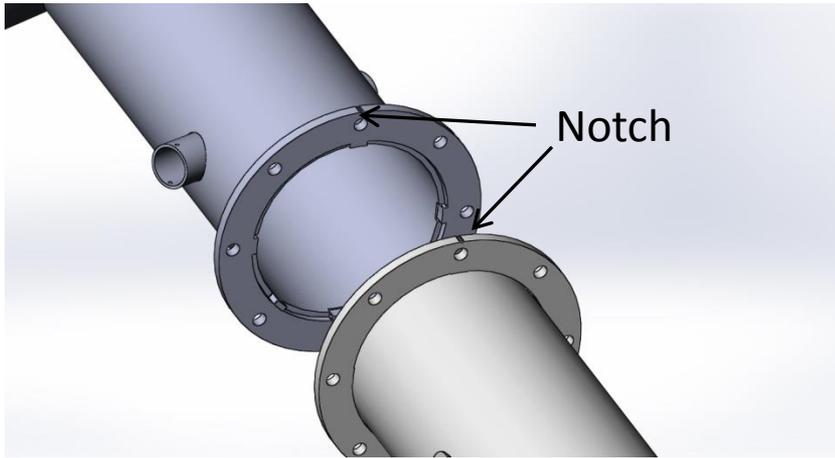
*Transfer Point will be located above this corner*

HP Frame Leg for Climber (Entry Net)

Threaded inserts will be on bottom side of tube and closer to upper corner

HP Frame Leg Blank

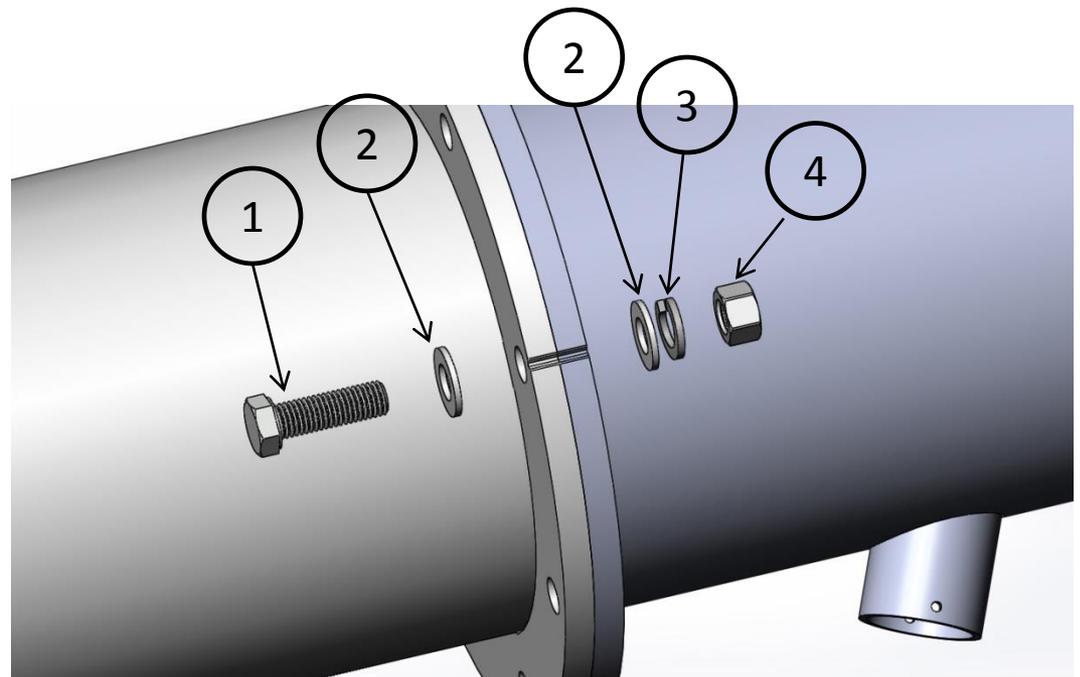
HP Frame Upper Corner for Safir

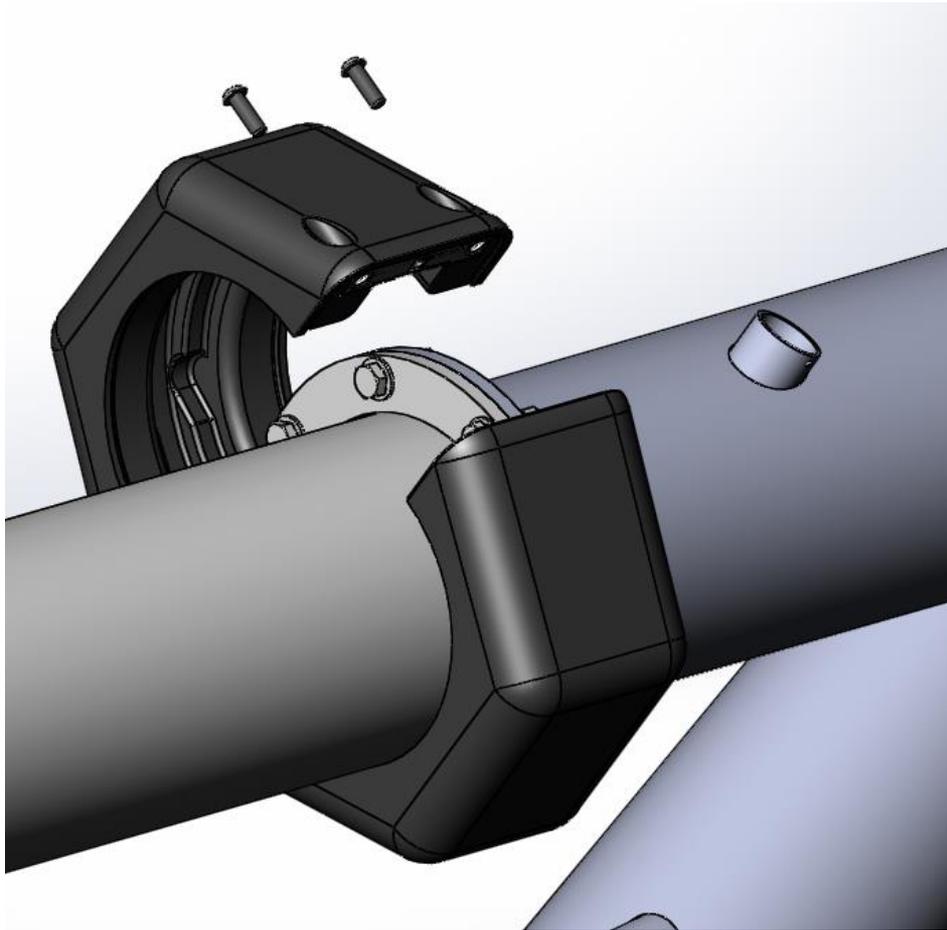


Orient frame sections by aligning small notch in frame flanges

Connect frame flanges hardware as shown. 8 times per flange

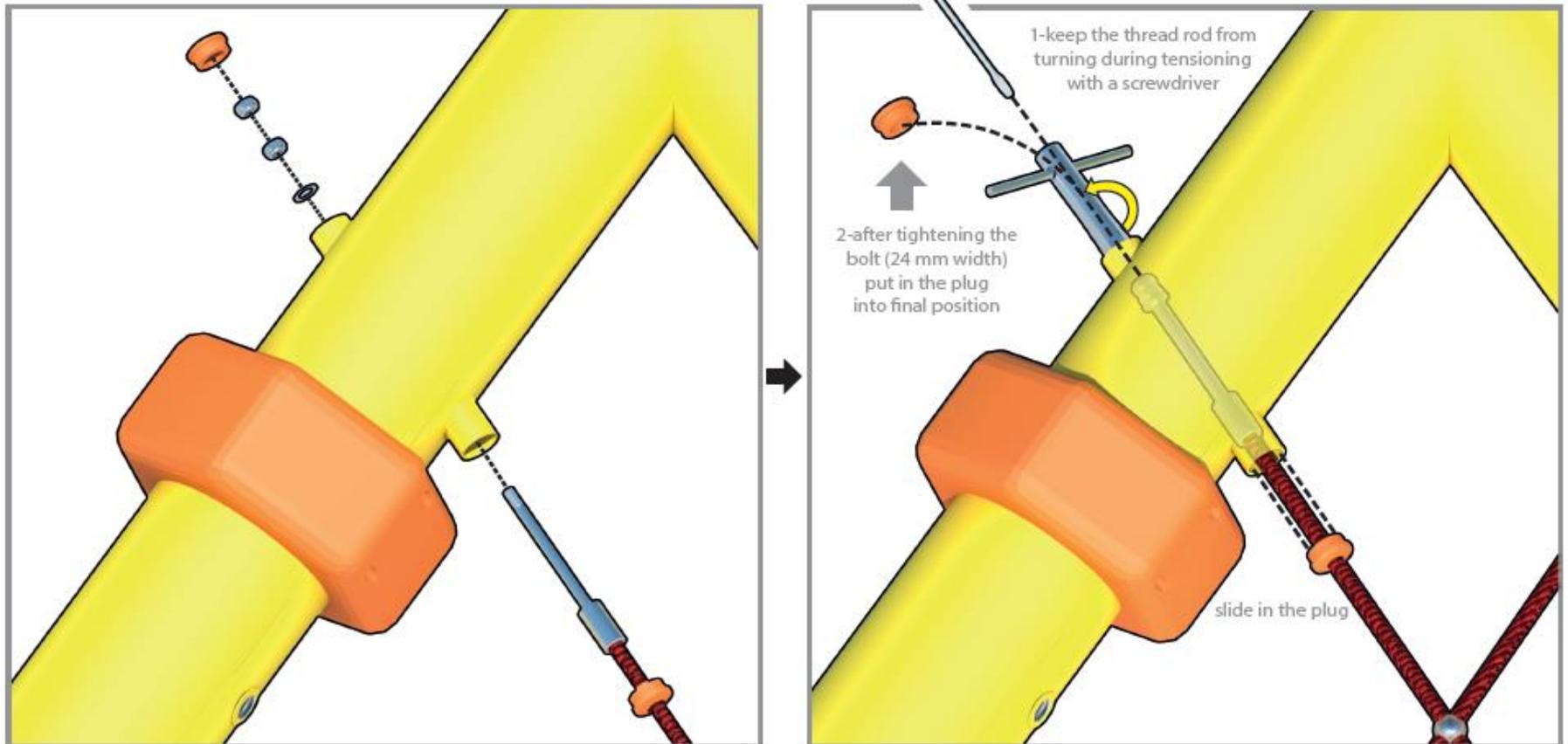
1	906863	Bolt M14x2x45mm 18-8 SS
2	906862	Washer M14 18-8 SS
3	906861	Washer M14 Split 18-8 SS
4	906860	Nut M14-2 18-8 SS

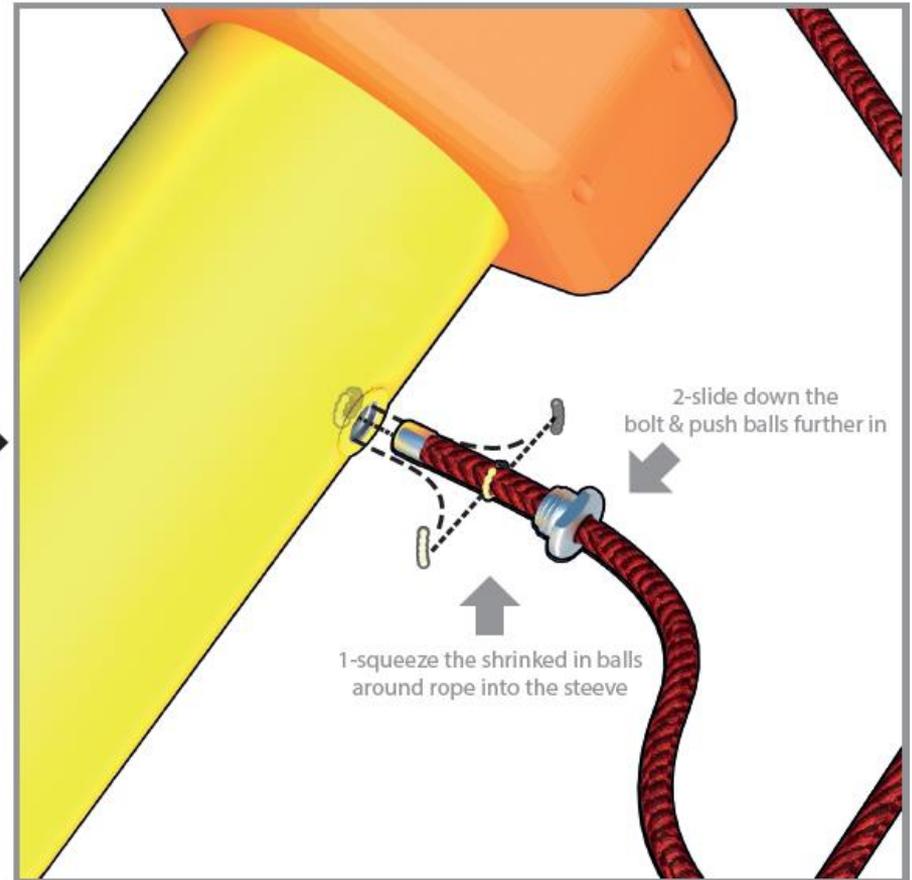
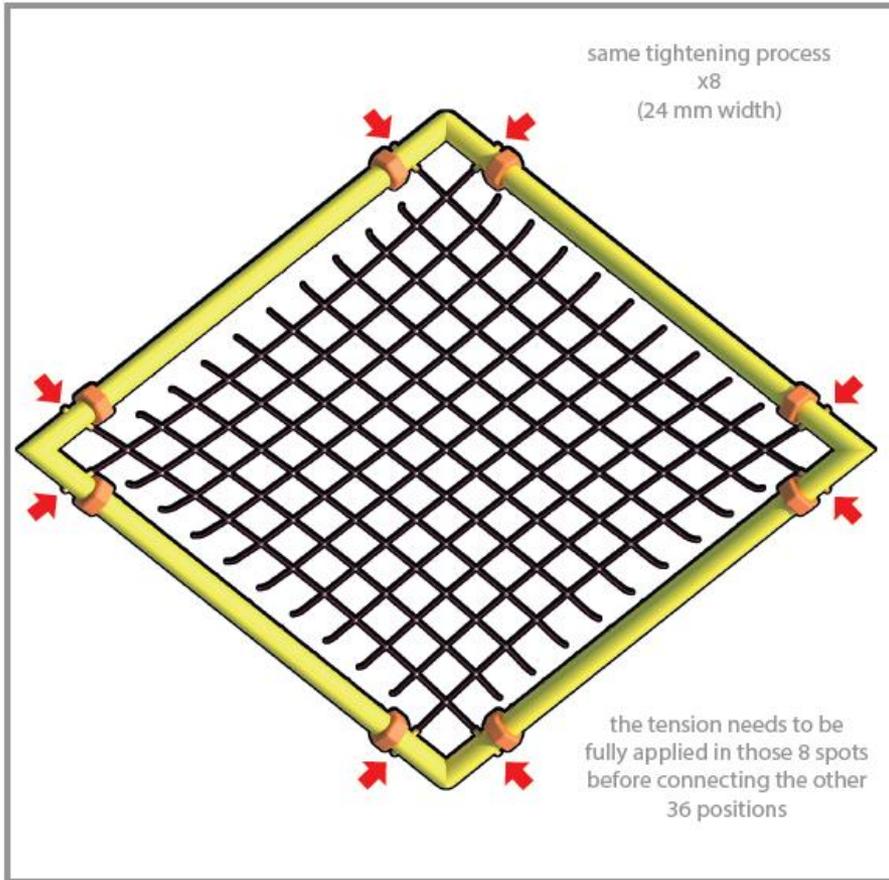


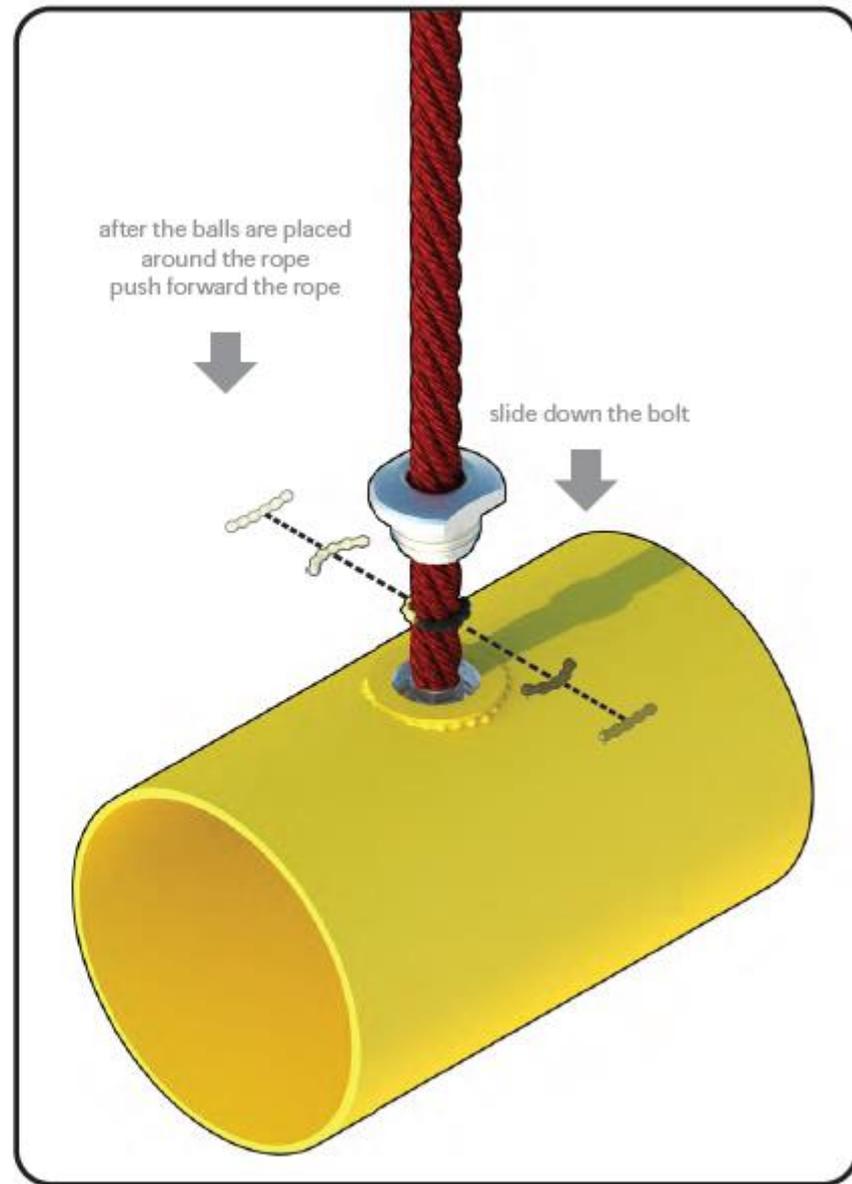
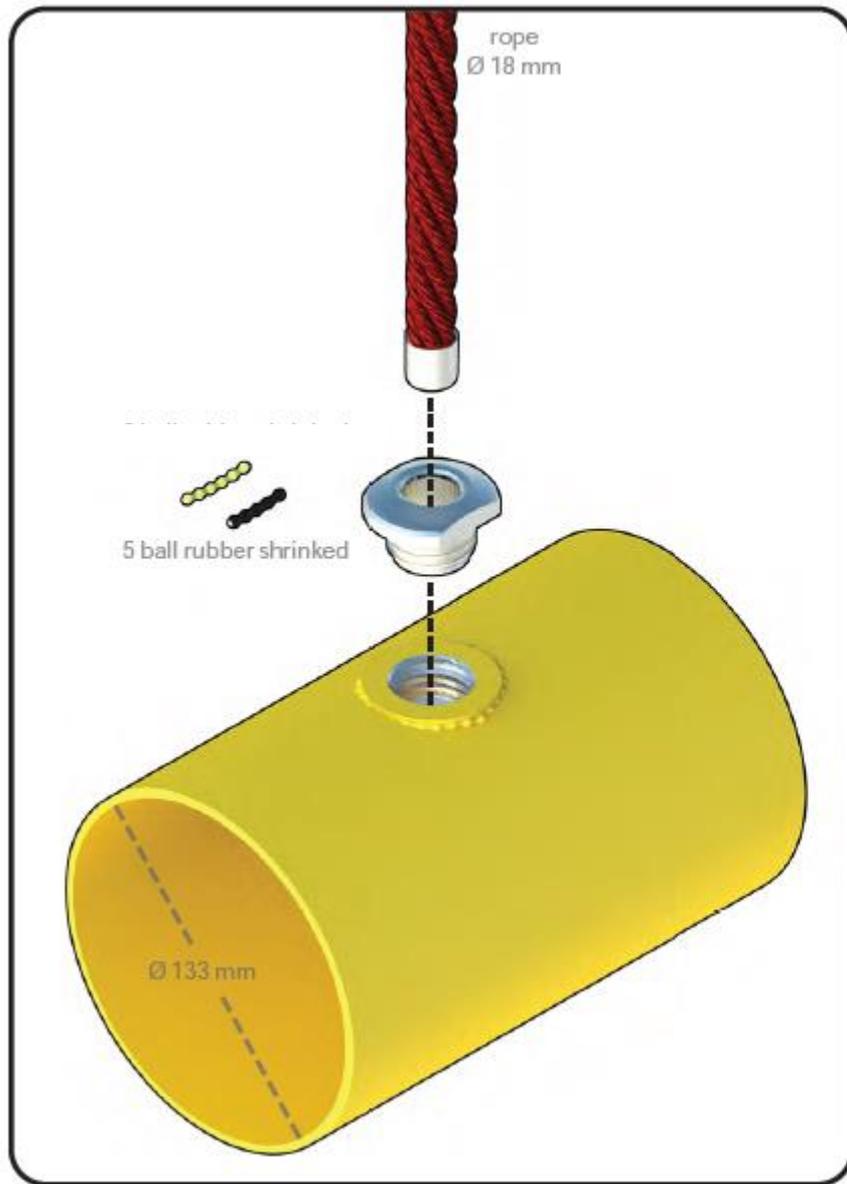


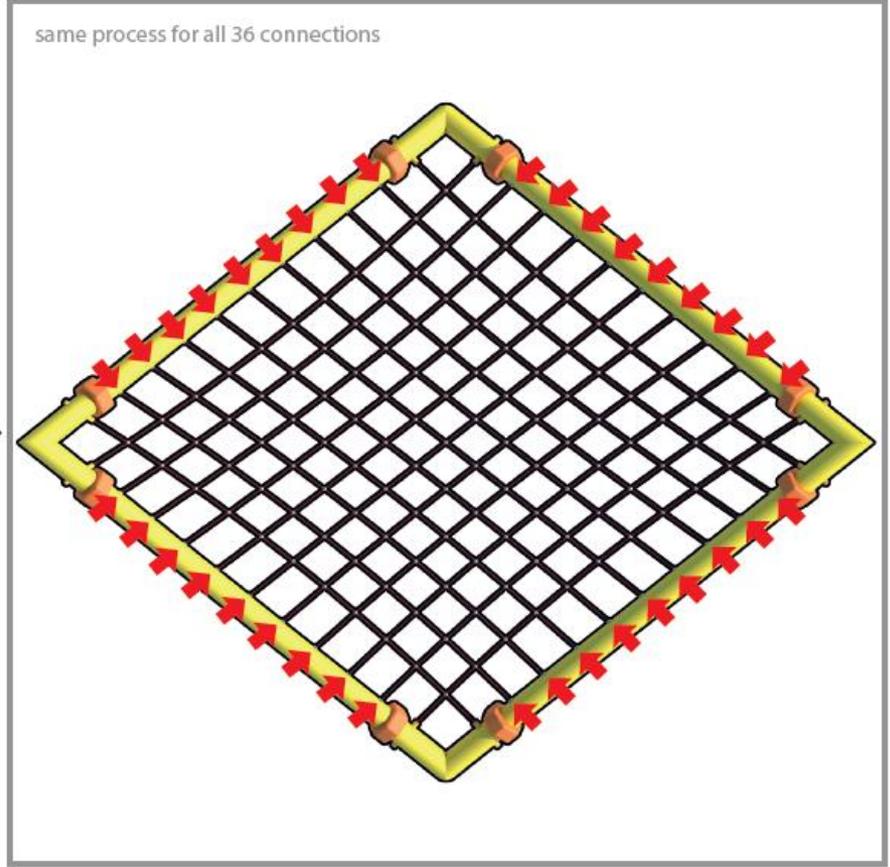
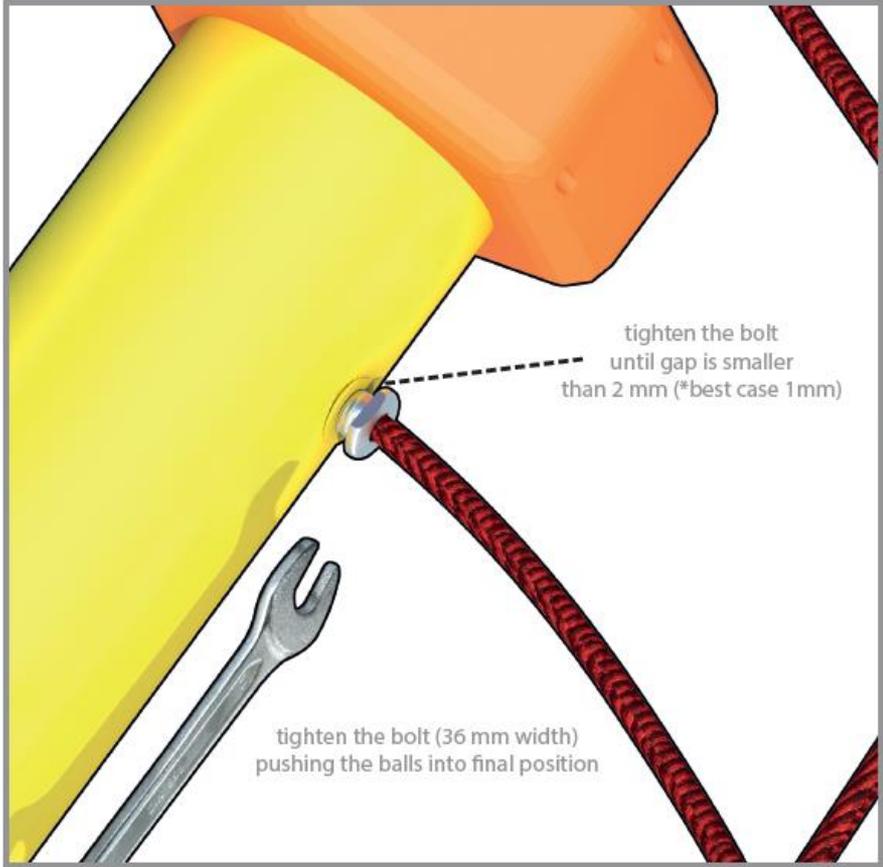
Install Flange covers over flange plate connections. Each flange cover has a through hole side and a threaded side. Push cover tightly over flanges and connect flanges using two M10 x 30mm button head screws per side of flange. A ratchet strap applied around the assembled covers may assist in bringing halves together for starting hardware.

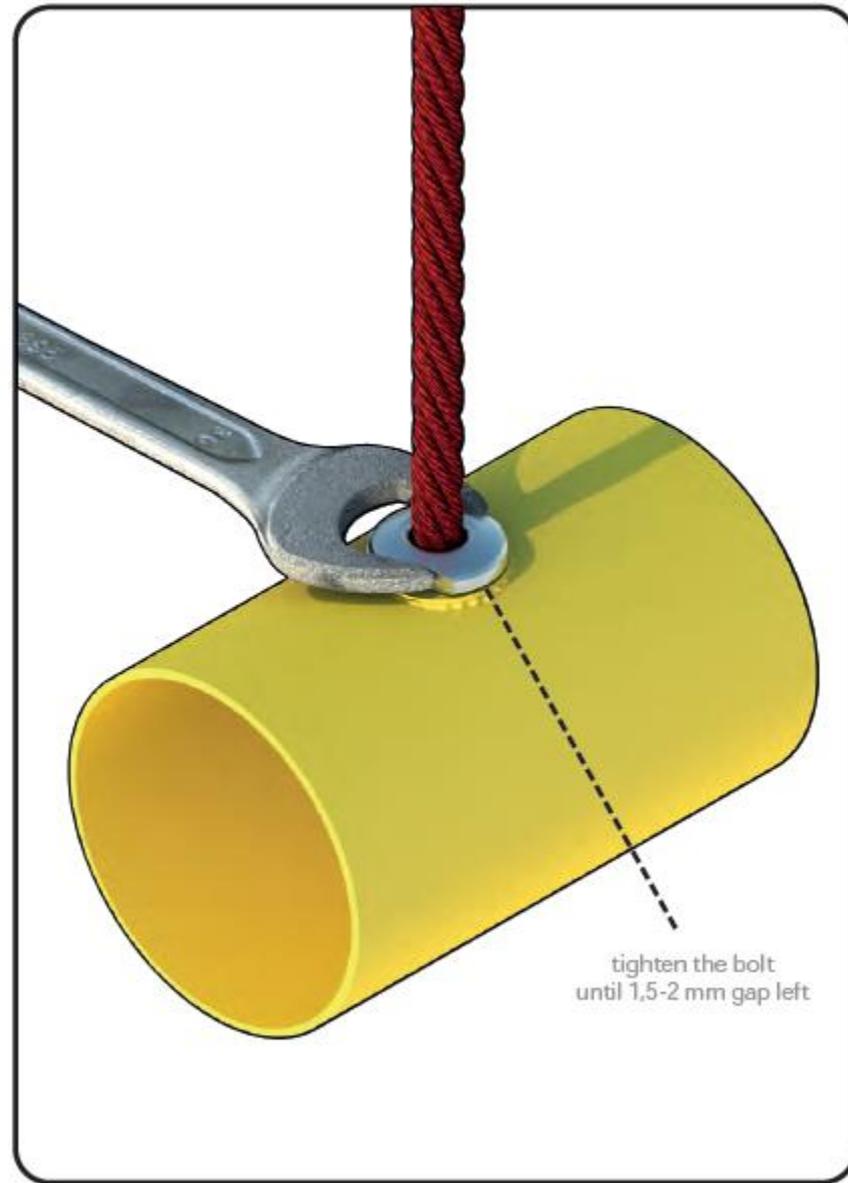
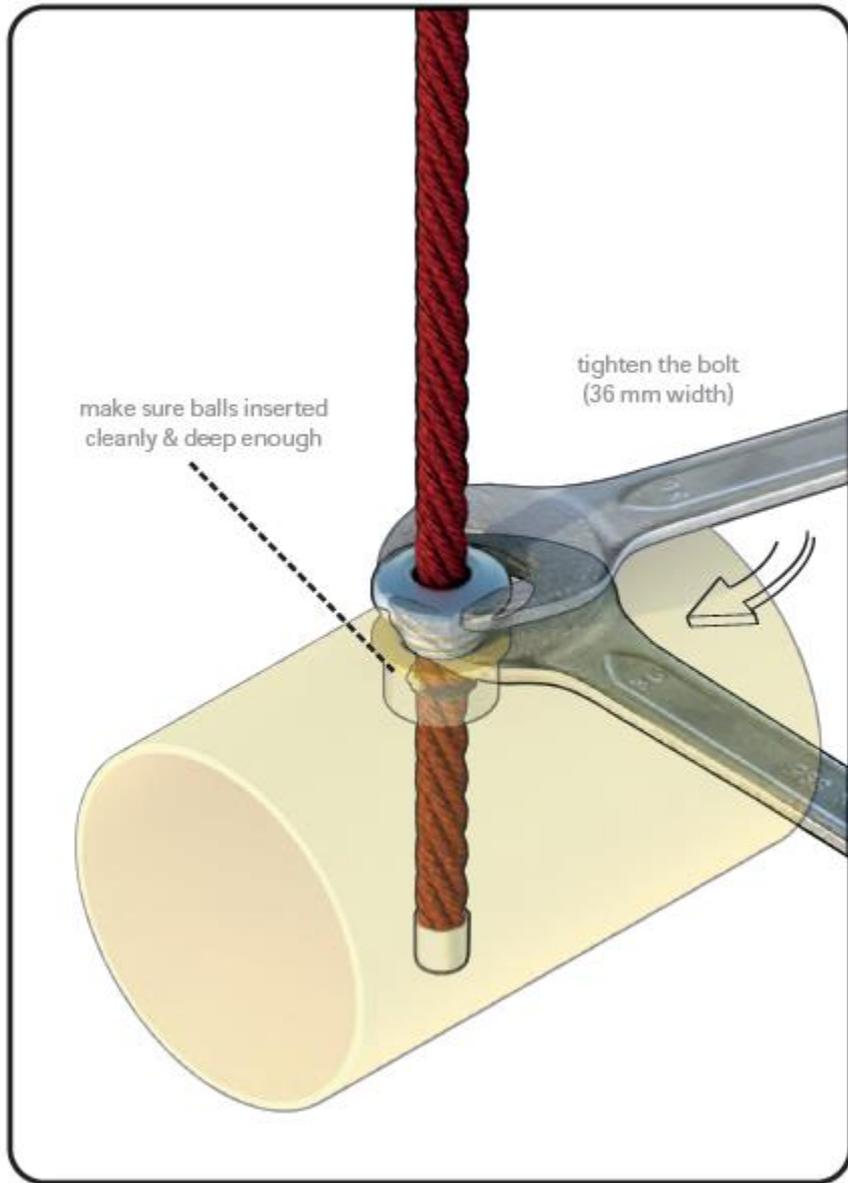
Once net frame with flange covers is assembled, placed in footings and leveled, the main net will be installed. Be sure so securely support both upper corners temporarily while completeling install. Install both ends of the perimeter ropes by inserting the threaded end fittings through the mounting sleeves in the frame corners. Reinstall the hardware from the rope assembly as shown below. It is best to tension ropes evenly, in stages. Tension ropes until the rope fitting bottoms out against internal stop of mounting sleeve. Cut off excess threaded section of rope fitting







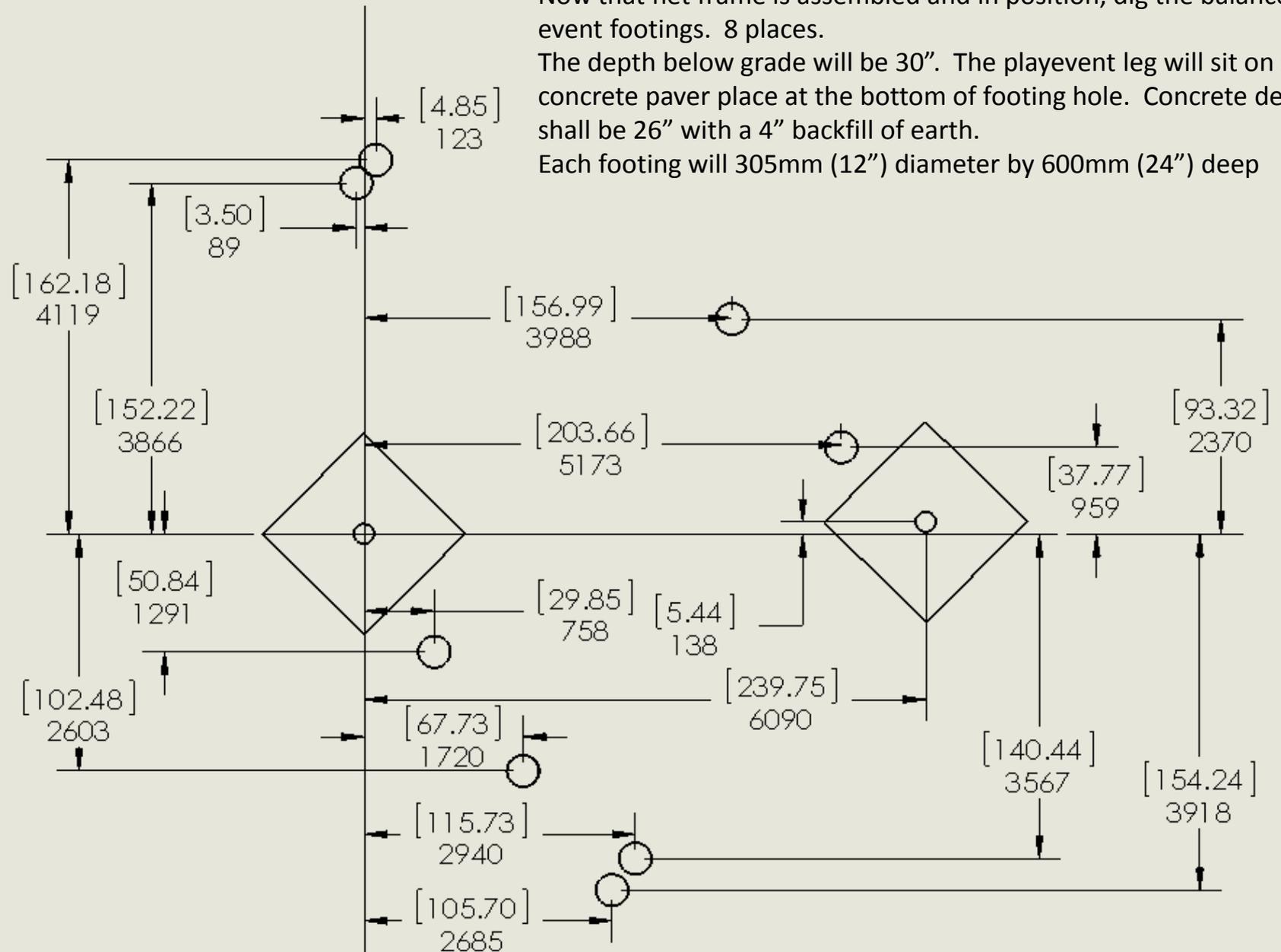




Now that net frame is assembled and in position, dig the balance of event footings. 8 places.

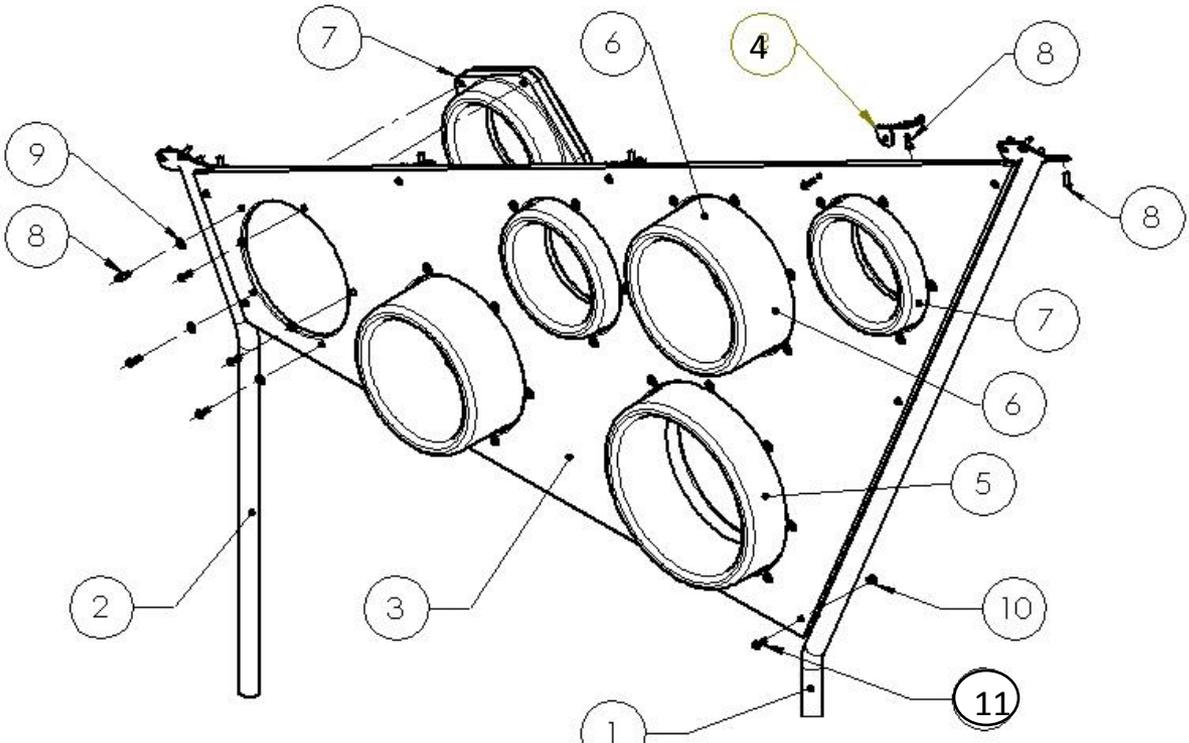
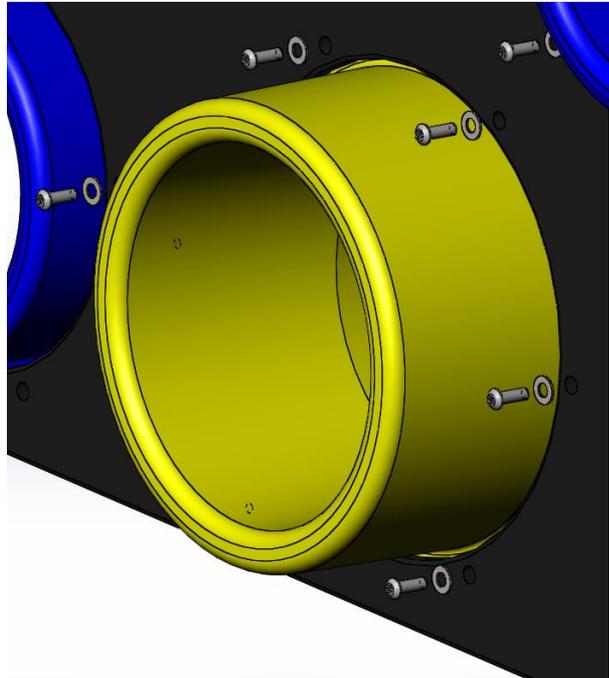
The depth below grade will be 30". The playevent leg will sit on a 2" concrete paver place at the bottom of footing hole. Concrete depth shall be 26" with a 4" backfill of earth.

Each footing will 305mm (12") diameter by 600mm (24") deep



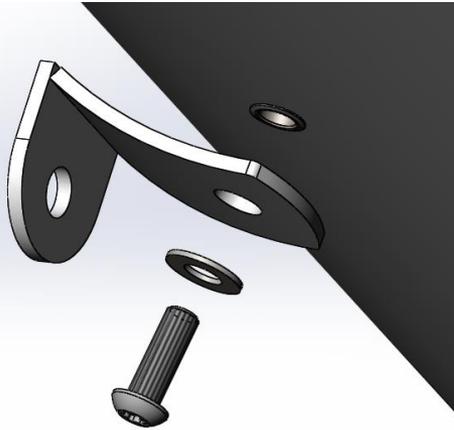
# HyPar Cylinder Climb

1	SW45856BK	HP Cylinder Climb Upper Sup. Black
2	SW45861BK	HP Cylinder Climb Lower Sup. Leg Black
3	8056708	HP Cylinder Climb HPL Wall
4	SW45853BK	HP Cylinder Wall Mounting Flange Black
7	999279	HP_CYLINDER_CLIMB_SMALL_A
6	999278	HP_CYLINDER_CLIMB_MED_A
7	999279	HP_CYLINDER_CLIMB_SMALL_B
6	999278	HP_CYLINDER_CLIMB_MED_B
5	999277	HP_CYLINDER_CLIMB_LRG_B



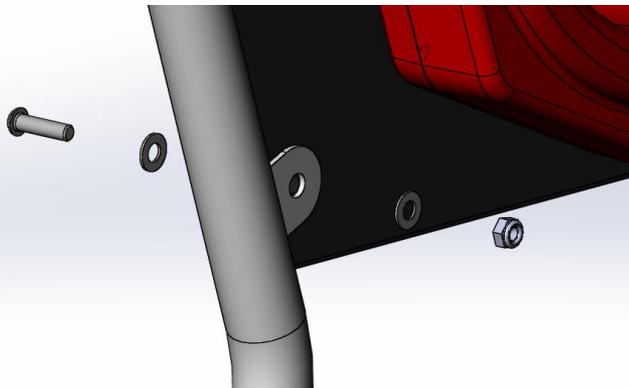
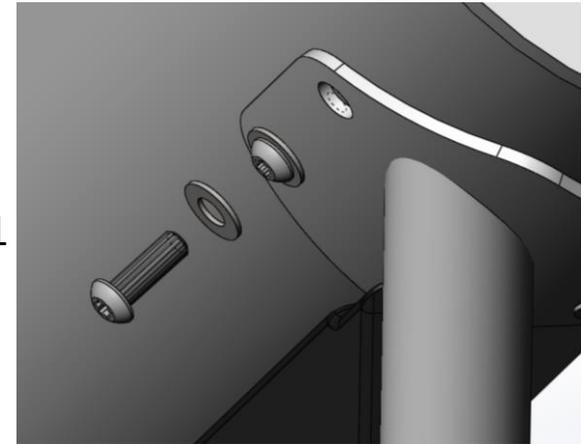
Connect each plastic cylinders to the climber panel (item 3) using an M10 x 30 screw (item 8) and flat washer (item 10), as shown above. 5 locations on small cylinders (item 7), 6 places on medium (item 6) and 8 places on large cylinder (item 5).

	HW203742-1	HP Cylinder Wall Hardware Kit
8	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM
9	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5
10	200002079	WASHER FLAT M11 23 X 12 X 1.6MM
11	200097726	SCREW MACH BUTTONHEAD M10 X 1.50 X 38MM



Attach small “L” shaped mounting brackets (item 4) to the main frame assembly in 3 locations using an M10 x 30 screw (item 8) and flat washer (item 10). Leave the connection loose until the main climber panel is later attached. This “L” bracket is bent over 90 degrees.

Attach the upper and lower climber supports (items 1 & 2) to the main net frame. Each connection will be made with 4 sets of M10 x 30 screw (item 8) and flat washer (item 10).

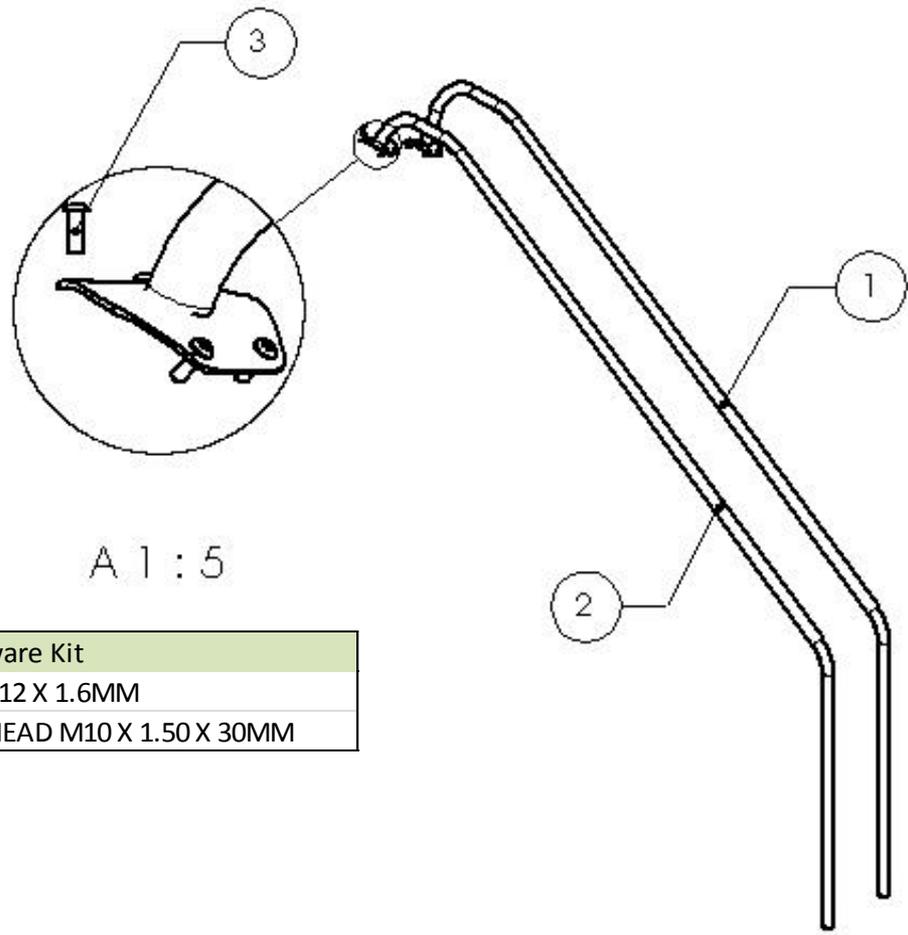


Attach assembled cylinder wall (from previous page) to the climber supports and mounting brackets from above. Each of the 8 connections will be made with an M10 x 38 screw (item 11), two flat washers (item 10) and a nylok nut (item 9). After panel assembly is complete, tighten all hardware

# HyPar Bannister Rail

1	SW46585	HP_BANNISTER_RAIL_A
2	SW45934	HP_BANNISTER_RAIL_B

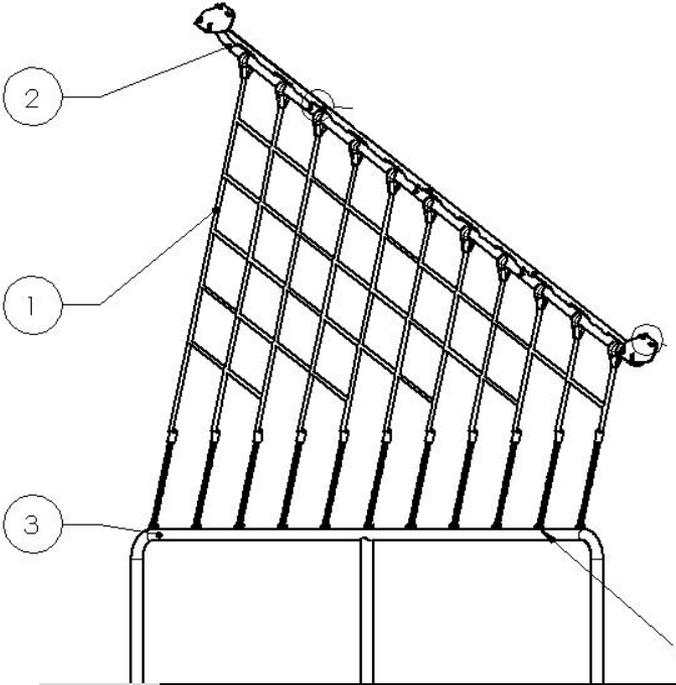
Attach each of the bannister rails to the main net frame using sets of hardware consisting of M10 x 30 screws (item 4) and flat washer (item 3). 4 places per rail. The rails are different sizes. The top of the rails when installed should be the same height above ground.



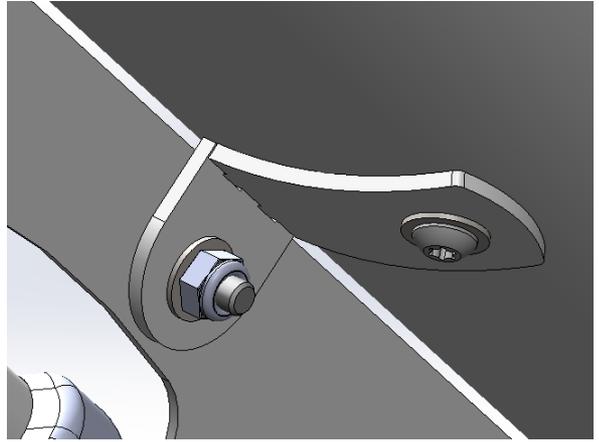
	HW203474-1	HP Bannister Rail Hardware Kit
3	200002079	WASHER FLAT M11 23 X 12 X 1.6MM
4	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM

# HyPar Entry Net

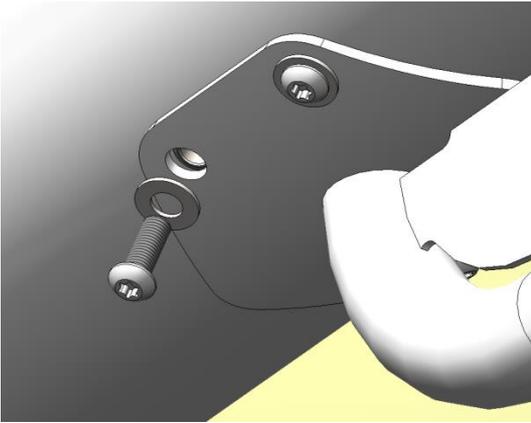
1	906870	HP Entry Net
2	SW46178BK	HP Entry Net Weldment Black
3	SW48088BK	HP Entry Net Ground Mount Weld Black
4	SW48212BK	HP Entry Net Mounting bracket Black
5	906869	HP Rope to tube castings (half)



	HW203743-1	HP Entry Net Hardware Kit
6	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM
7	117001	WASHER 1/4 FLAT 18-8 SS MS15795-811
8	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM
9	110047	NUT 1/4-20 NEX HEAVY NYLOK 18-8 SS
10	104475	BOLT 1/4-20 X 1 BHCS 6 LOBE 18-8 SS
11	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5
12	200002079	WASHER FLAT M11 23 X 12 X 1.6MM

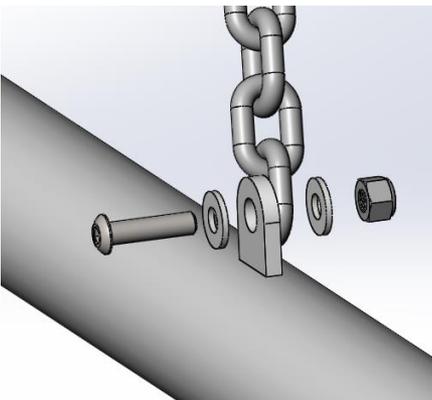
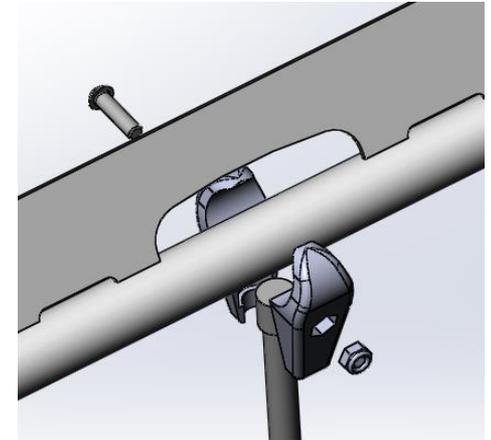


Attach small “L” shaped mounting brackets (item 4) to the main frame assembly in 3 locations using an M10 x 30 screw (item 6) and flat washer (item 12). Leave the connection loose until the entry net weldment is later attached. This “L” bracket is bent approximately 90 degrees.



Attach the upper and lower ends of the entry net climber supports (items 2) to the main net frame. Each connection will be made with 4 sets of M10 x 30 screw (item 6) and flat washer (item 12).

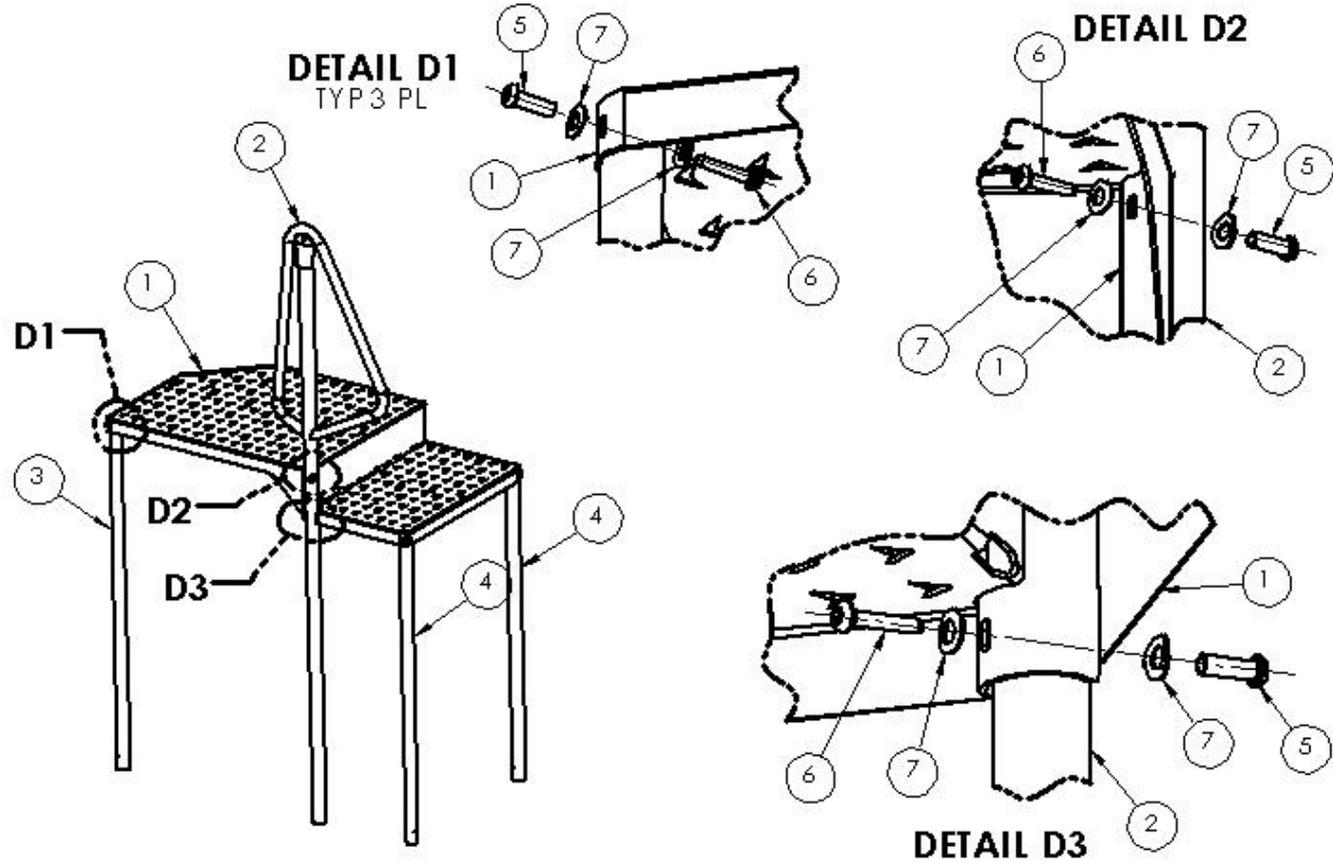
Attach the entry net (item 1) to the entry net weldment (item 2) by placing two of the HP rope to tube castings (halves) (item 5) around the crimped fitting at the end of each rope and the open space on the weldment. Attach the two casting together by inserting a nylok nut (item 11) into the hex opening in the casting and attaching with an M10 x 30 screw (item 6) through the opposing casting. Position casings into center of opening in the weldment.



Attach the bottom chains from each rope section to the ground mount (item 3) using sets of  $\frac{1}{4}$ " x 1 bolt (item 10) two  $\frac{1}{4}$ " flat washers (item 7) and  $\frac{1}{4}$ " nylok nut (item 9). Repeat this connection for all chains (11 places)

# HyPar Transfer Point

1	906926	HP_TRANSFER_DECK
2	906920	HP_TRANSFER_HANDRAIL
3	906915	HP_TRANSFER_LEG_LONG
4	906914	HP_TRANSFER_LEG_SHORT



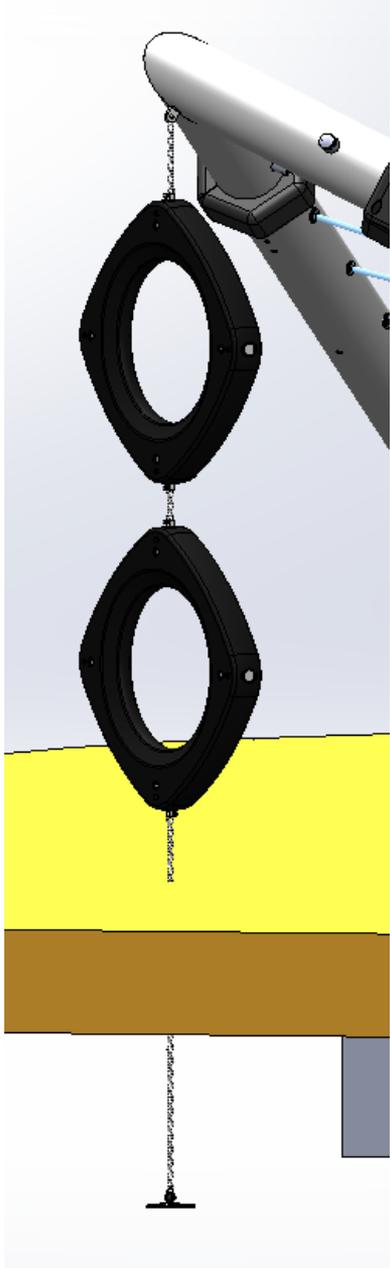
Assemble transfer point by attaching legs as shown in diagram. For each connection, 5 total, use a combination of M8 male bolt (item 6) and M8 female bolt (item 5) each paired with a bowed washer (item 7). Rest entire assembly over lower corner of main net frame corner so that it is adjacent to the cylinder climber. The deck portion of the transfer point will rest on the frame. Level the deck and prepare to finish footings

	HW203746-1	HyPar Transfer point hardware kit
5	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30MM
6	200002138	BOLT M8 X 1.25 MALE 42.5MM
7	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57MM

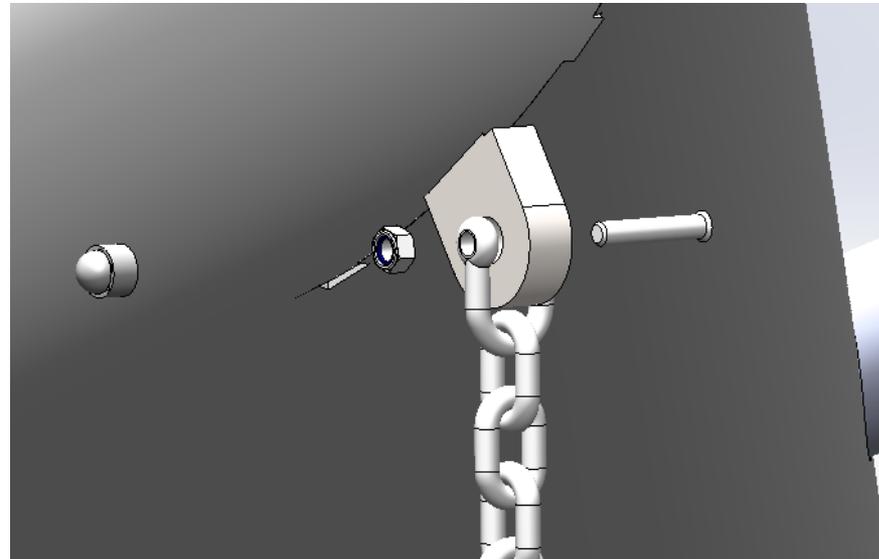
# HyPar Safir Climber

8056784

HP Safir Climber Bundle

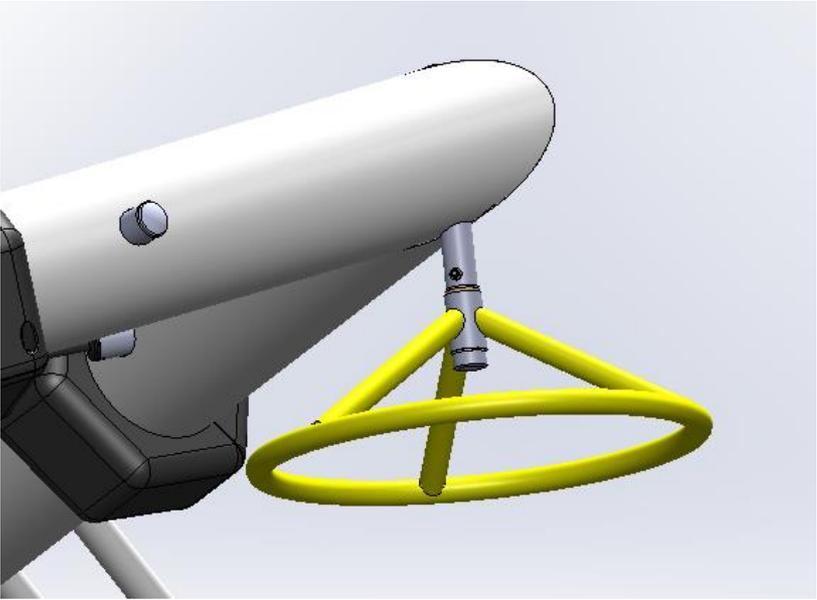


Attach the safir climber to the upper corner of the net frame as shown below. The D shackle used for the connection will be attached to the end of the mounting chain. Remove the shackle and reinstall to frame as shown. The ground connection of the climber will be suspended in the concrete footing.



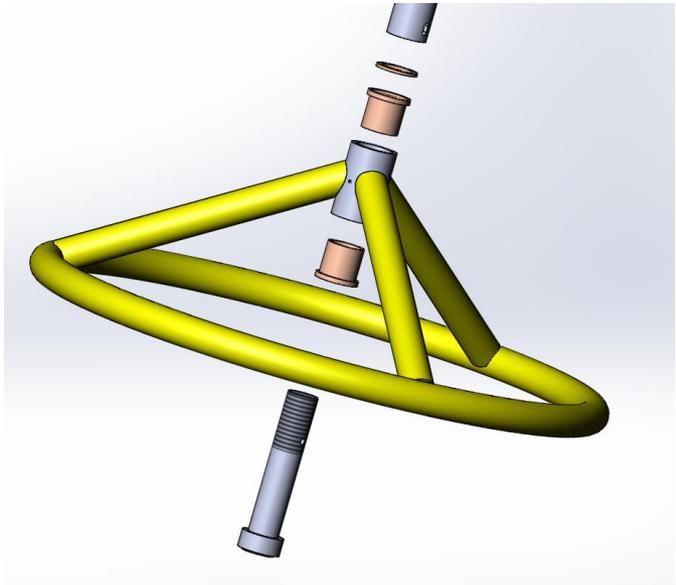
# HyPar FunWheel

999744BK      HP\_FUNWHEEL



Attach the fun wheel to the main frame as shown below. Insert the shouldered bushings (item 1) into each end of the funwheel weldment. Insert the mounting bolt (item 3) through the funwheel, then slide the flat bushing (item 2) over the bolt and thread the bolt into the threaded sleeve that is in the upper frame corner. Tighten until the bolt is seated and then back the bolt off until the small through hole for the cross bolt is aligned.

HW203744-1		HP Fun Wheel Mounting Hardware Kit
1	200127532	BEARING 1-1/4" - 1-1/2 X 1-1/2"
2	200130255	WASHER BRNZ 1-1/4" ID X 1-11/16" OD
3	200126702	BOLT F/FUNWHEEL W/HOLE
4	200009577	BTN HD HEX SOC M6X50MM 92095A252
5	200002067	WASHER FLAT M6 15.8 X7.5 X1.2 MM 18-8 SS
6	200001916	NUT LOCK HEX NYLON INSERTED M6 X 1.00



Insert the M6 x 50 screw (item 4 through one washer (item 5) and then through the funwheel mounting tube. Finish the connection by applying a second washer (item 5) and nylok nut (item 6)

