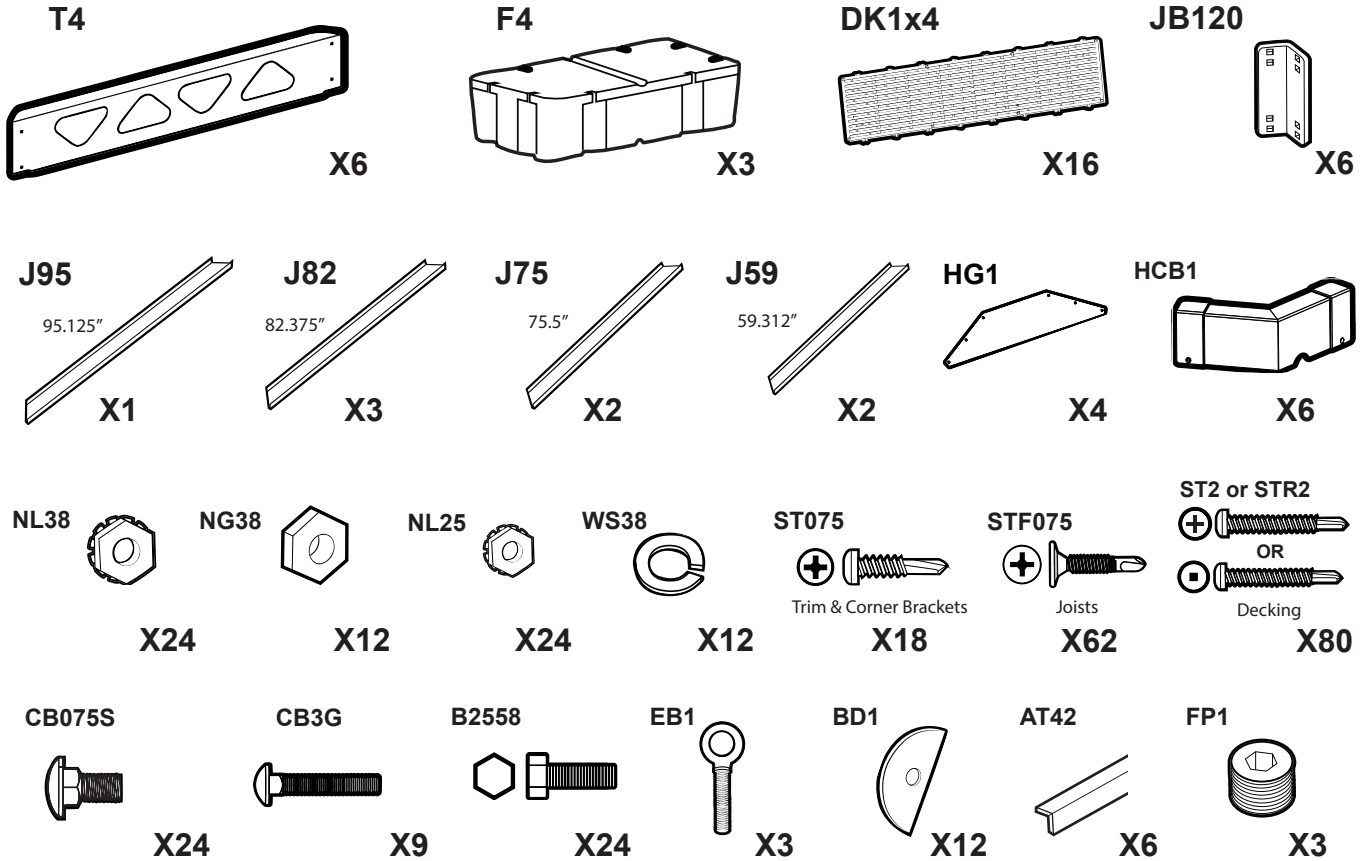


## PART LIST :


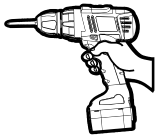

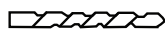

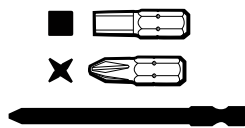
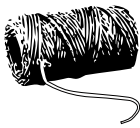
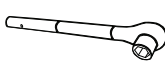

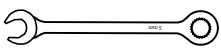
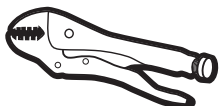
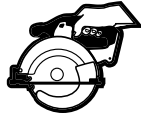



<b>T4</b>	Truss(4')	<b>x6</b>	<b>ST075</b>	3/8" x 3/4" Carriage Bolt(SS*)	<b>x18</b>
<b>F4</b>	2'x4'x12" Dock Float	<b>x3</b>	<b>STF075</b>	#12x3/4" Flat Head Tek Screw	<b>x62</b>
<b>DK1x4</b>	1'x4' Thruflow Decking(2 Boxes)	<b>x16</b>	<b>ST2 or STR2</b>	#2" Self Drilling Head Tek Screw	<b>x80</b>
<b>JB60</b>	Connector Bracket	<b>x6</b>	<b>CB075S</b>	3/8" x 3/4" Carriage Bolt(SS*)	<b>x24</b>
<b>J95</b>	95.125" Joist	<b>x1</b>	<b>CB3G</b>	3/8" x 3" Carriage Bolt(HDG**)	<b>x9</b>
<b>J82</b>	82.375" Joist	<b>x3</b>	<b>B2558</b>	1/4" Hex Bolt	<b>x24</b>
<b>J75</b>	75.5" Joist	<b>x2</b>	<b>EB1</b>	Eye Bolt (HDG**)	<b>x3</b>
<b>J59</b>	59.312" Joist	<b>x2</b>	<b>BD1</b>	D - Washer	<b>x12</b>
<b>HG1</b>	Hexagon Gusset	<b>x4</b>	<b>AT42</b>	42.5" Aluminum Trim	<b>x6</b>
<b>HCB1</b>	Corner Bracket	<b>x6</b>	<b>FP1</b>	Float Plug	<b>x3</b>
<b>NL38</b>	3/8" Lock nut	<b>x24</b>	<b>PB96</b>	P-Bumper	<b>x3</b>
<b>NG38</b>	3/8" Galvanized Nut	<b>x12</b>	<b>ST075</b>	3/4" Self Drilling Tek Screw	<b>x66</b>
<b>NL25</b>	1/4" Lock Nut	<b>x24</b>			
<b>WS38</b>	3/8" Lock Washer (HDG**)	<b>x12</b>			

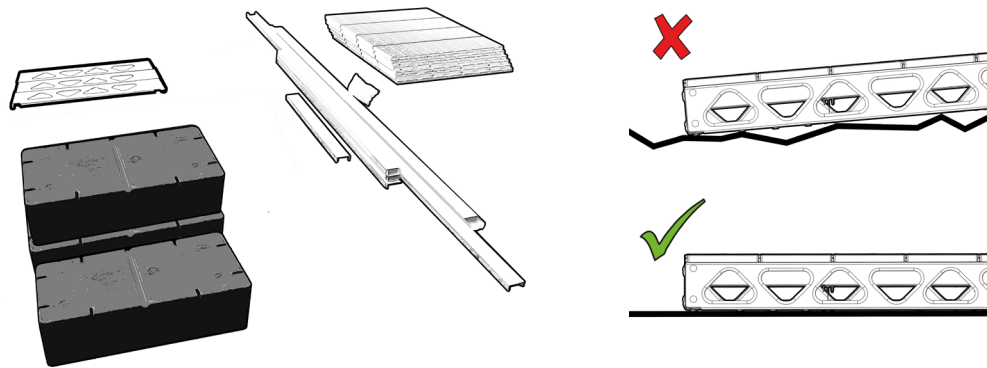
\* (SS) Stainless Steel

\*\* (HDG) Hot Dipped Galvanized

## TOOLS REQUIRED:

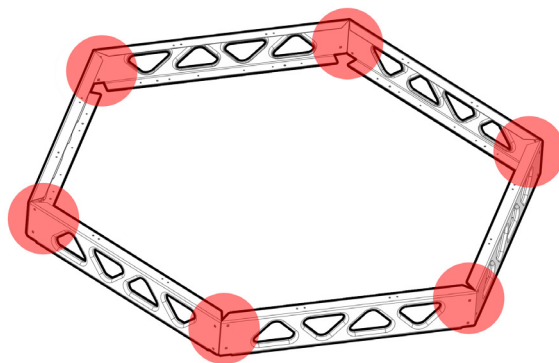
	Safety Glasses	<input type="checkbox"/>		Driver	<input type="checkbox"/>
	Measure Tape	<input type="checkbox"/>		13/32" Drill Bit	<input type="checkbox"/>
	Utility Knife	<input type="checkbox"/>		#3 Phillips or Robertson Bit (Short & 4" or longer bits)	<input type="checkbox"/>
	Roll of String	<input type="checkbox"/>		9/16" Socket w/ ratchet to suit	<input type="checkbox"/>
	Permanent Marker	<input type="checkbox"/>		9/16" Box Wrench	<input type="checkbox"/>
	Locking Pliers	<input type="checkbox"/>		Circular Saw	<input type="checkbox"/>
	3/8" Allen Wrench	<input type="checkbox"/>			

1



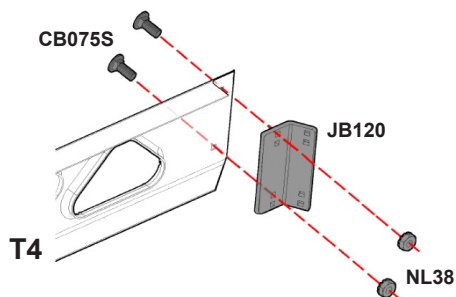
Find a level area with lots of space large space to spread out all the parts for your build. Ensure you have all needed components before beginning the build. Please see Pages 1-2 for full parts list and tools needed to complete the job.

2

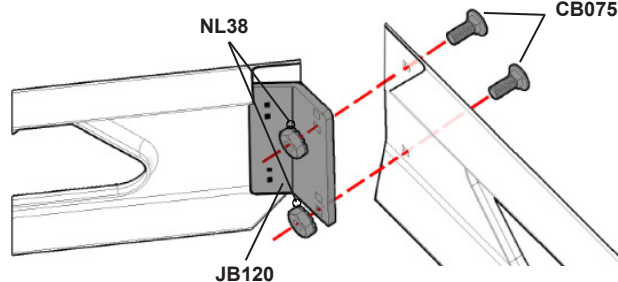


JB120		<b>X6</b>
T4		<b>X6</b>
CB075S		<b>X24</b>
NL38		<b>X24</b>

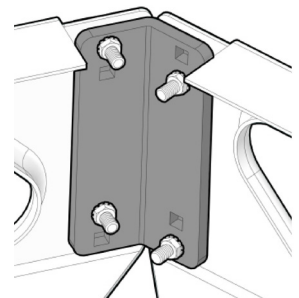
A



B

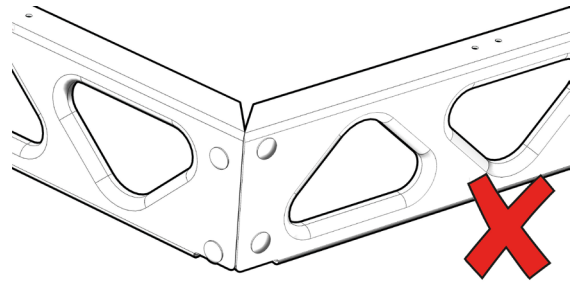
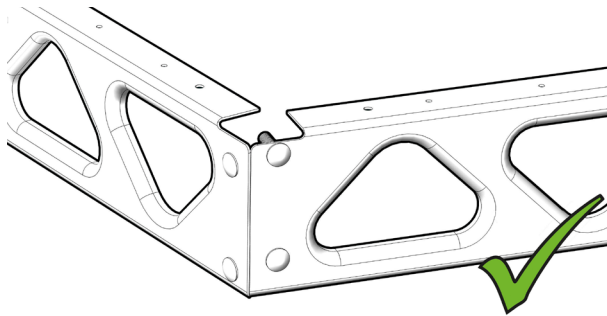


C



Attach trusses to create the outer frame of the hexagon.

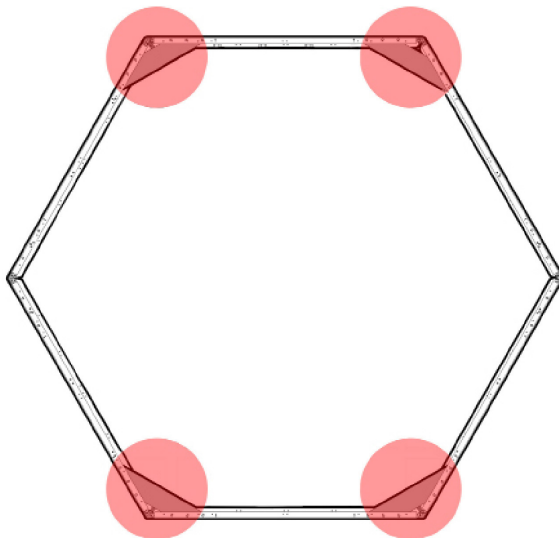
3



Ensure that bottom of trusses are facing upwards.

4

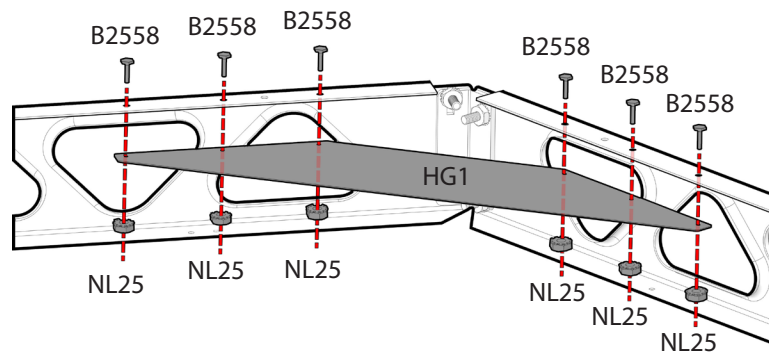
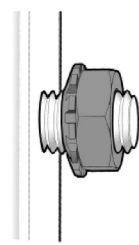
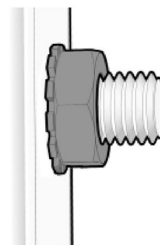
### Hexagon Gusset Locations



B2558  X24

NL25  X24

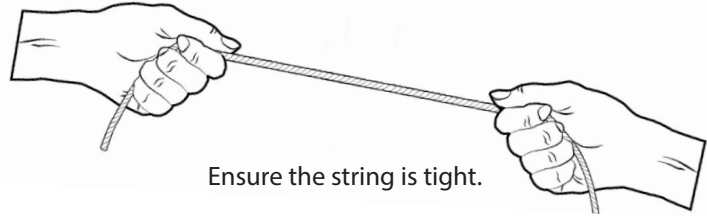
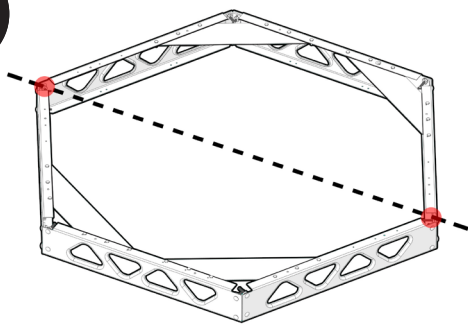
HG1  X4



Place corner brackets(HG1) in the corners of the hex frame. See diagram above for location placement.  
Fasten corner brackets using 1/4" Bolts(B2558) and 1/4" Lock Nuts(NL25).



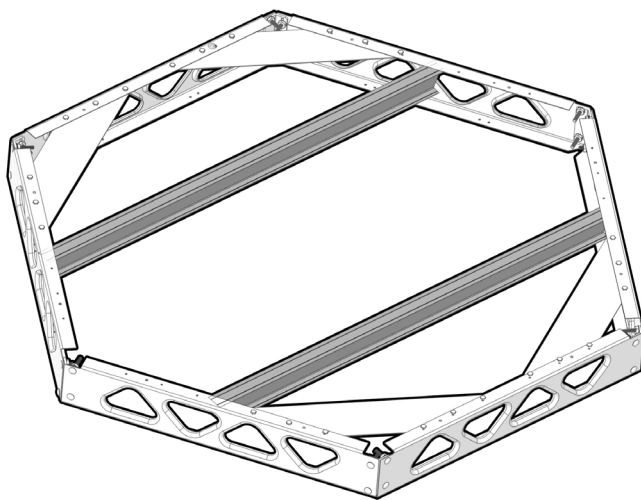
5



Ensure the string is tight.

Tie a string to the connecting points to create a straight edge in the middle of the hexagon frame (See above).

6



STF075

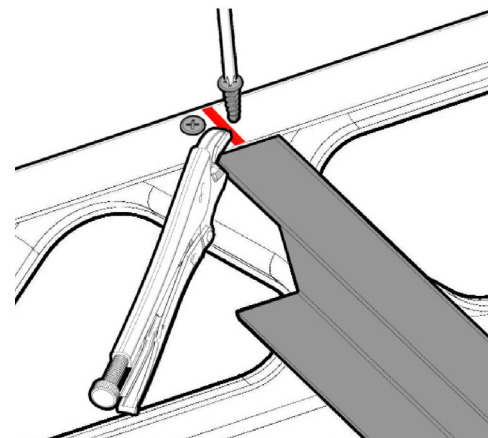
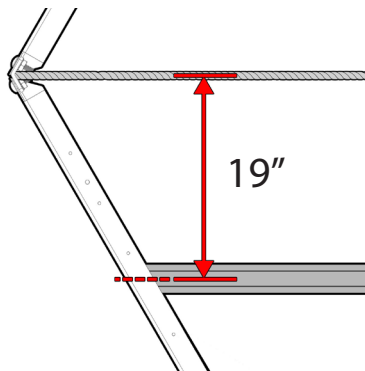
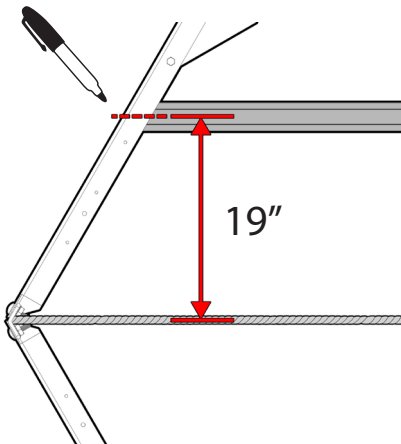


X8

J75

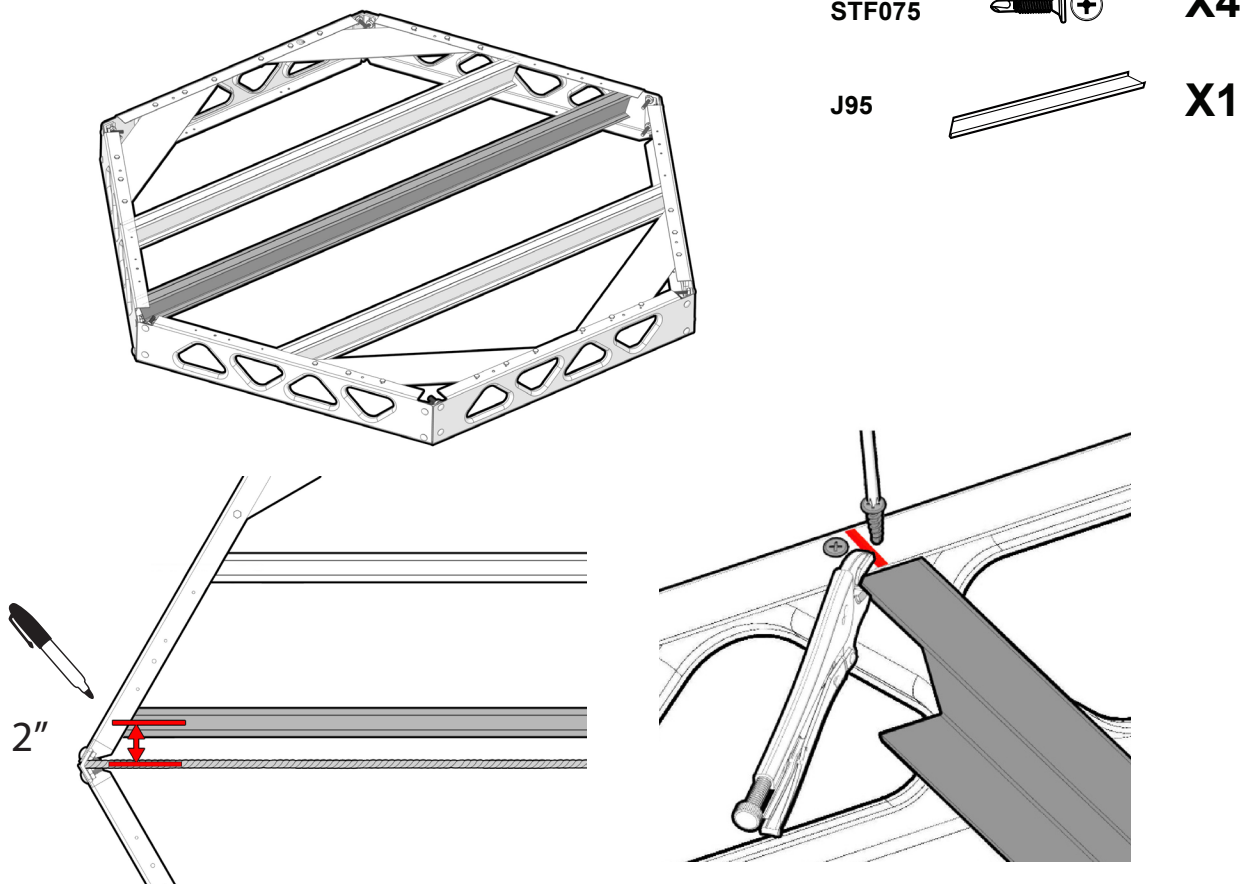


X2



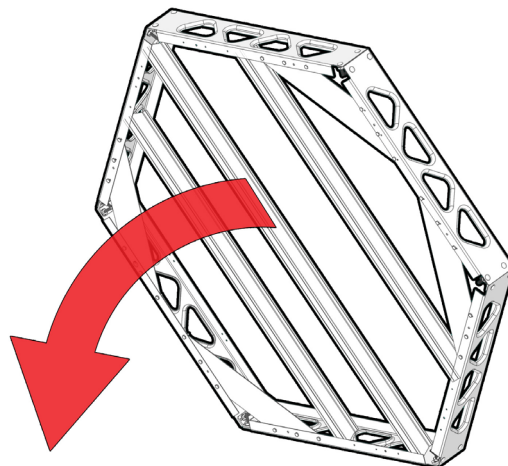
Measure 19" from string and mark with permanent marker on the truss(See above). Repeat this for both sides of the string and repeat for trusses on the opposite side of the hexagon frame. Position and centre 1 joist (J75) under each marking using locking pliers to hold in place. Attach joists (J75) using 2 self drilling tek screws (STF075) at each end.

7



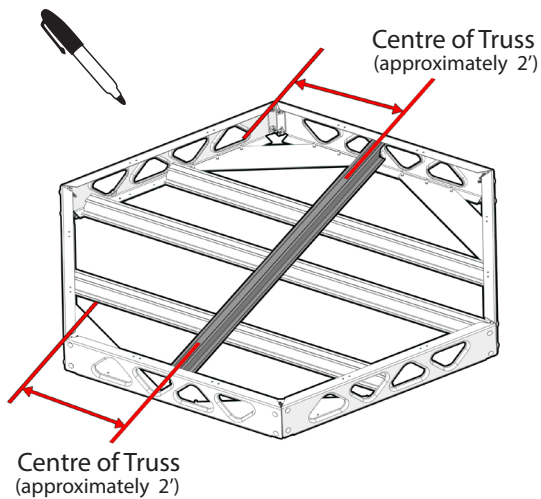
Measure 2" from string and mark with permanent marker on the truss (See above). Repeat for truss on the opposite side of hexagon. Position and centre 1 joist (J95) under the marking using locking pliers to hold in place. Attach joist (J95) using 2 self drilling tek screws (STF075) at each end.

8



Flip frame.

9



STF075

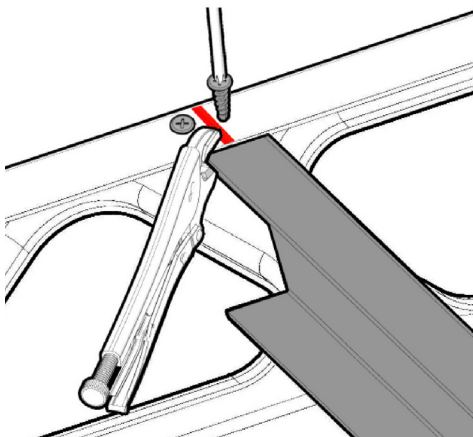


X4

J82



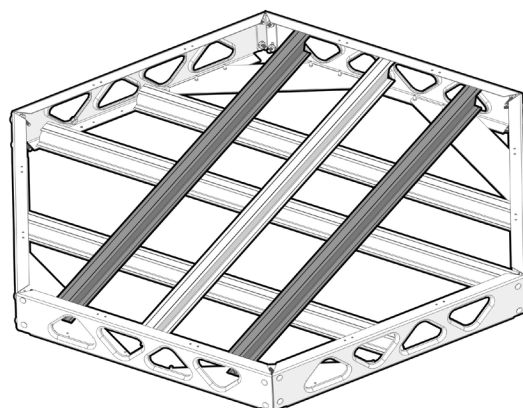
X1



Measure the centre point of the truss (See above) for opposite sides the truss frame. Mark the centre of each side with permanent marker. Position and centre joist (J82) under your markings. Using locking pliers to hold in place, line up joist with the markings at the centre. Attach joist using 2 self drilling tek screws (STF075) on each end.

10

(Continued next page)



STF075



X8

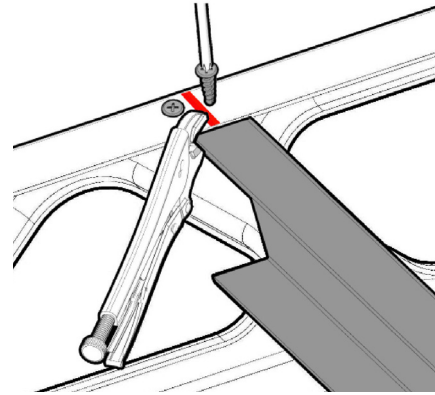
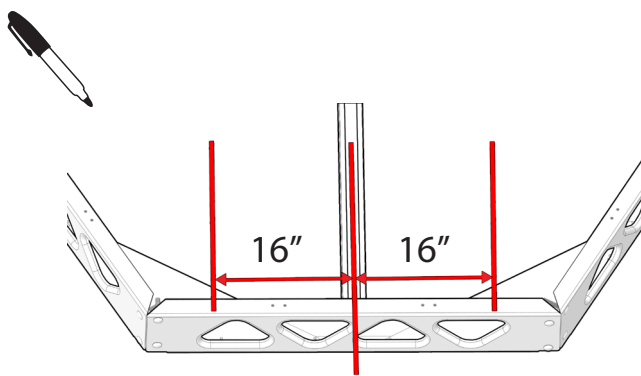
J82



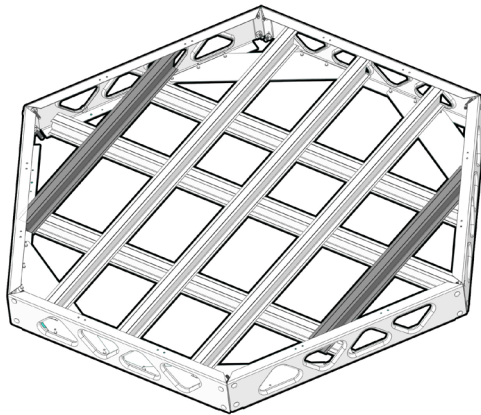
X2

**10**

(Continued from last page)



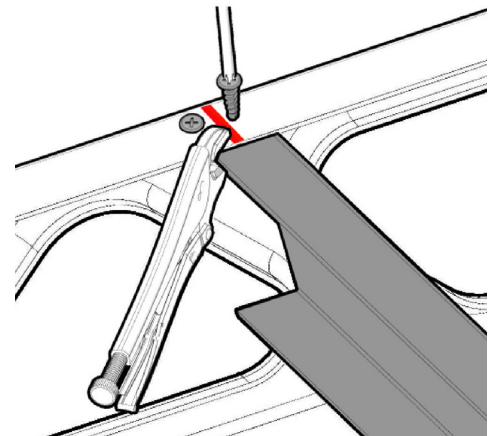
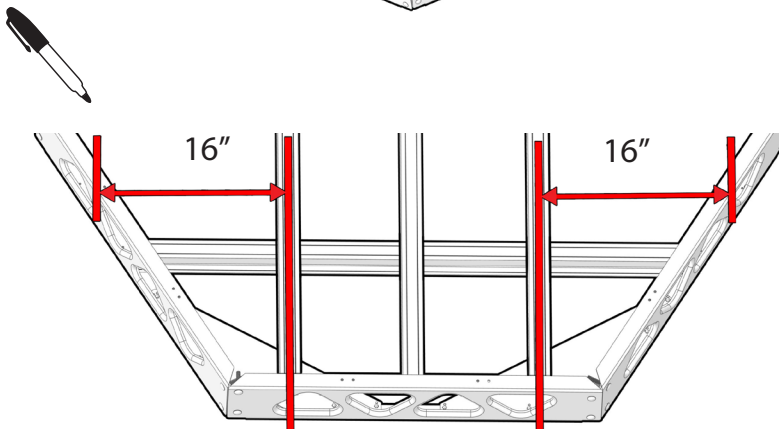
Measure 16" from the previous line and mark with permanent marker. Do this on both the left and right side of the prior joist. Using locking pliers to hold in place, position and centre 2 joists (J82) under each marking. Attach joists (J82) using 2 self drilling tek screws (STF075) at each end.

**11**

STF075

**X8**

J59

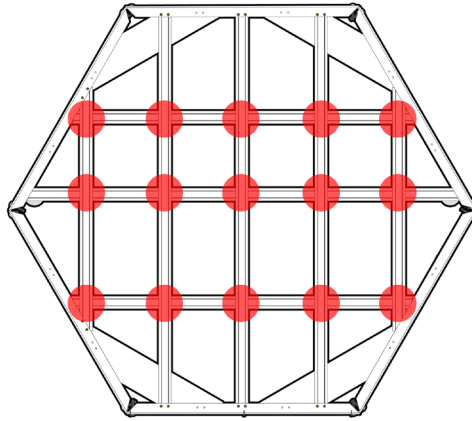
**X2**

Measure 16" from the centre of each joist (added in Step 10) to the outside of the dock frame. Mark with permanent marker. Repeat this for both joists on opposite side of dock frame. Using locking pliers to hold in place, position and centre 1 joist (J59) under each marking. Attach joists (J59) using 2 self drilling tek screws (STF075) at each end.

12



**PLEASE NOTE:** It is suggested to use a 4" or longer Phillips #3 Bit for fastening joist intersections.

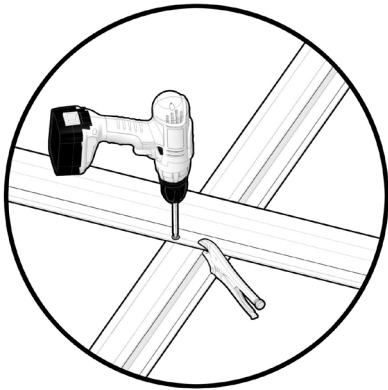


STF075

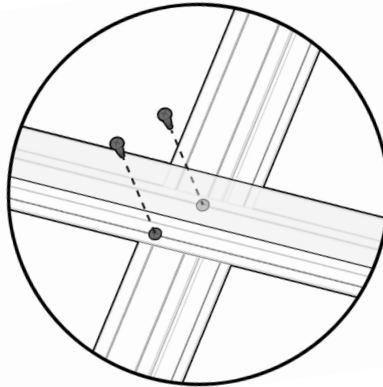


X30

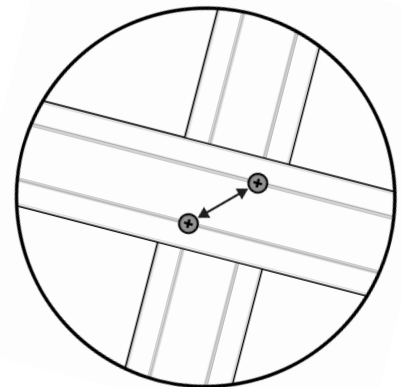
Intersection Locations



CLAMP INTERSECTION



FASTEN INTERSECTION  
WITH SCREWS

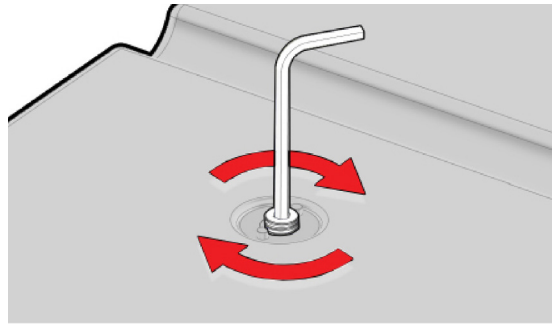
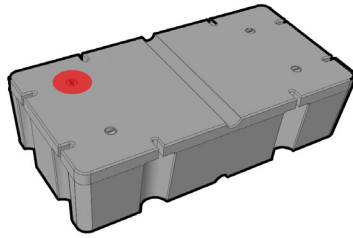


FASTEN TWO SCREWS DIAGONAL  
FROM ONE ANOTHER

At each joist intersection place two screws(STF075) for each upper joist to fasten the joists. Intersection location for placement are shown above. Place two screws at the bottom flange of the top joist in a diagonal pattern(see image above).



13



FP1

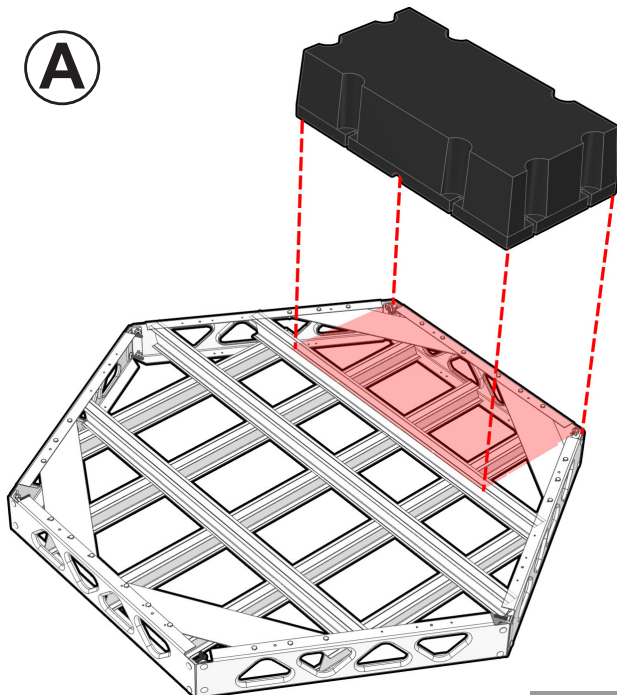


X1

**PLEASE NOTE:** Before attaching floats to the dock frame, insert float plugs (FP1) using a 3/8" Allen Key for all floats pieces.

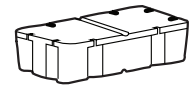
14

A

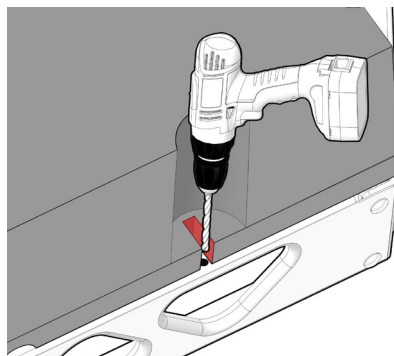
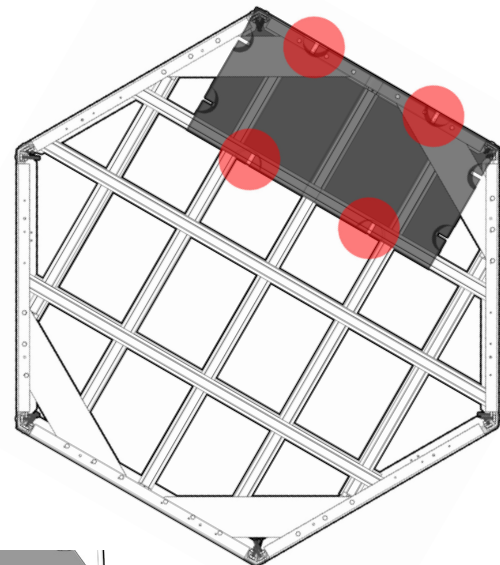


B

F4



X1

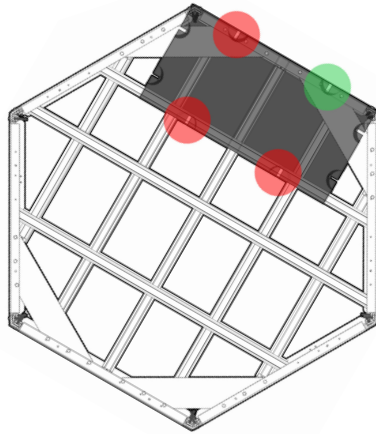







**A.** Ensure the float is square and evenly placed against the joists below(See image above).

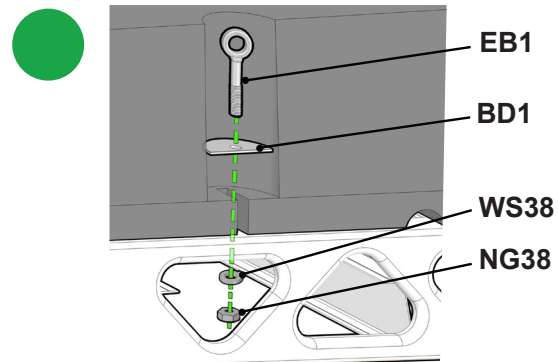
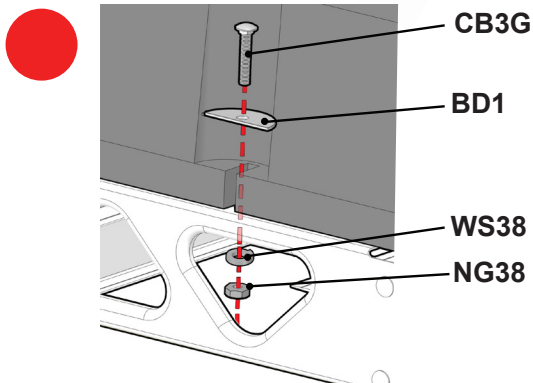
**B.** Using the float slots as your drilling location guide drill four holes (use a 13/32" drill bit) into the trusses to accommodate floats.

**PLEASE NOTE:** Do not drill too close to joist screws as it may interfere with assembly of floats connected to dock.

15

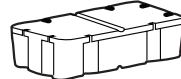


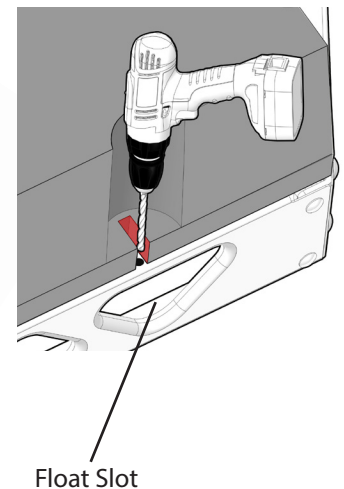
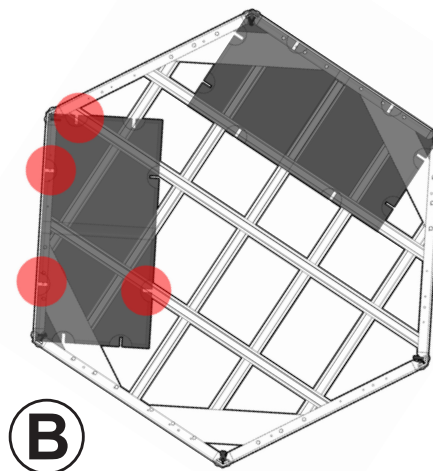
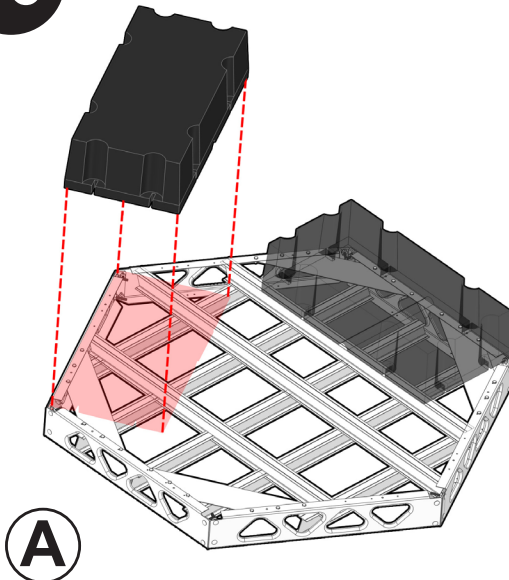
CB3G		X3
EB1		X1
BD1		X4
NG38		X4
WS38		X4



Connect the floats to the dock frame. Install carriage bolt assembly at locations indicated in red. Install eyebolt assembly at the location indicated in green.

16

F4		X1
----	---	----

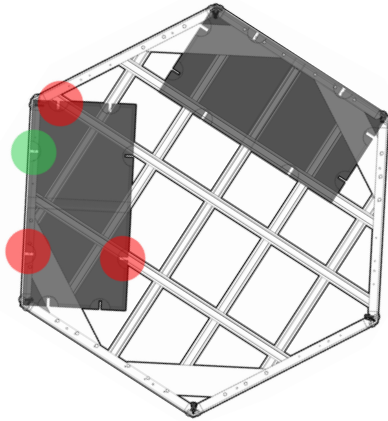


- A.** Ensure the float is square and evenly placed against the joists below (See image).
- B.** Using the float slots as your drilling location guide drill four holes (use a 13/32" drill bit) into the trusses to accommodate floats (See Locations Above).

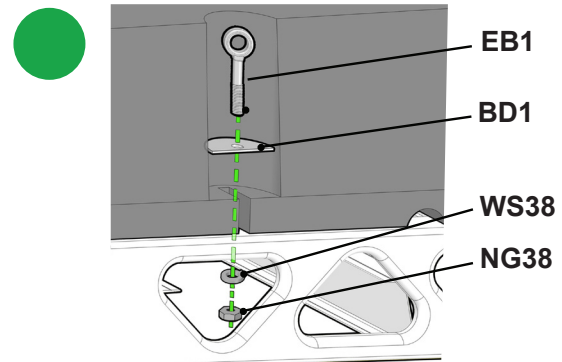
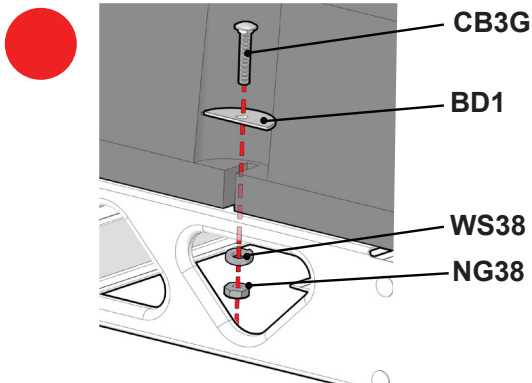
**PLEASE NOTE:** Do not drill too close to joist screws as it may interfere with assembly of floats connected to dock.



17



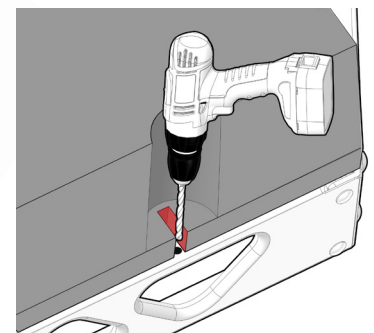
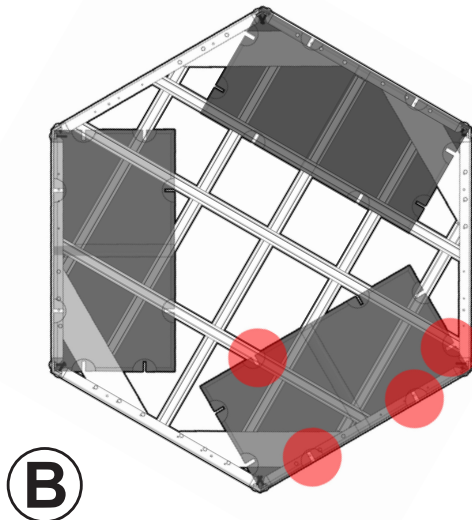
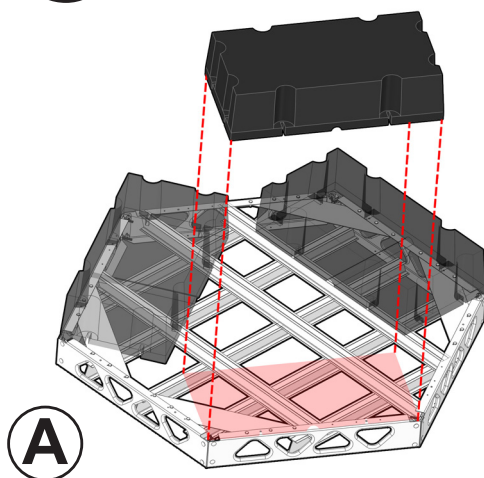
CB3G		X3
EB1		X1
BD1		X4
NG38		X4
WS38		X4



Connect the floats to the dock frame. Install carriage bolt assembly at locations indicated in red. Install eyebolt assembly at the location indicated in green.

18

F4		X1
----	--	----

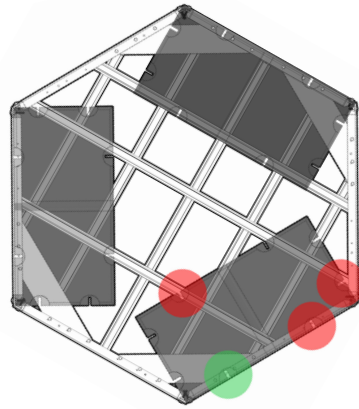







**A.** Ensure the float is square and evenly placed against the joists below (See image).

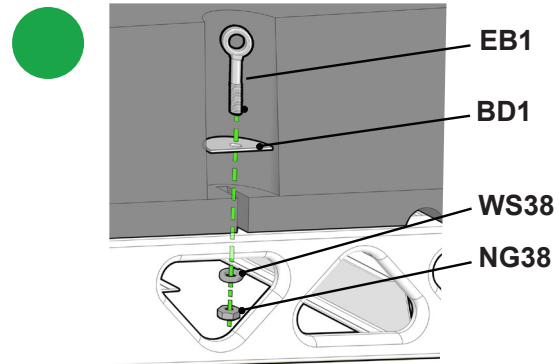
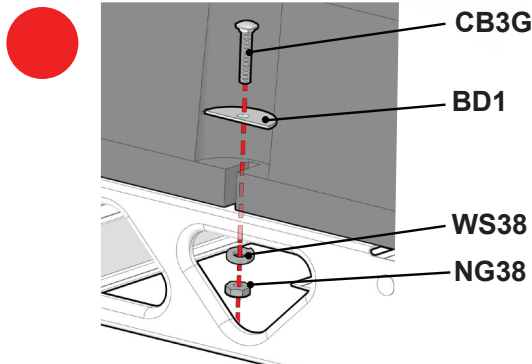
**B.** Using the float slots as your drilling location guide drill four holes (use a 13/32" drill bit) into the trusses to accommodate floats (See locations above).

**PLEASE NOTE:** Do not drill too close to joist screws as it may interfere with assembly of floats connected to dock.

19

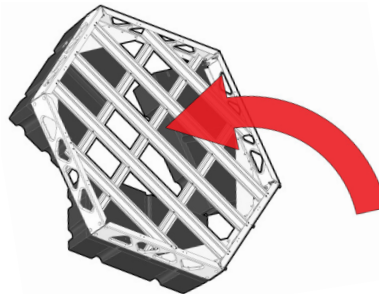


CB3G		<b>X3</b>
EB1		<b>X1</b>
BD1		<b>X4</b>
NG38		<b>X4</b>
WS38		<b>X4</b>



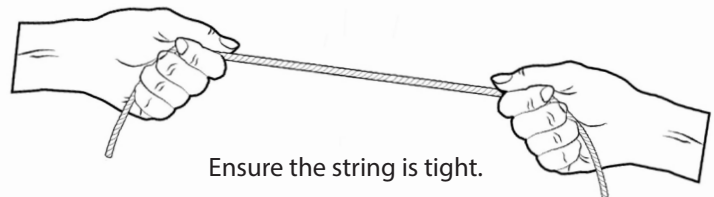
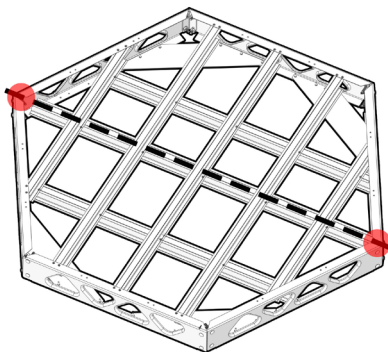
Connect the floats to the dock frame. Install carriage bolt assembly at locations indicated in red. Install eyebolt assembly at the location indicated in green.

20



Flip dock.

21

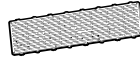


Ensure the string is tight.

Tie a string to the connecting points on the top of the hex to create a straight edge in the middle of the hexagon frame.

22

DK1x4



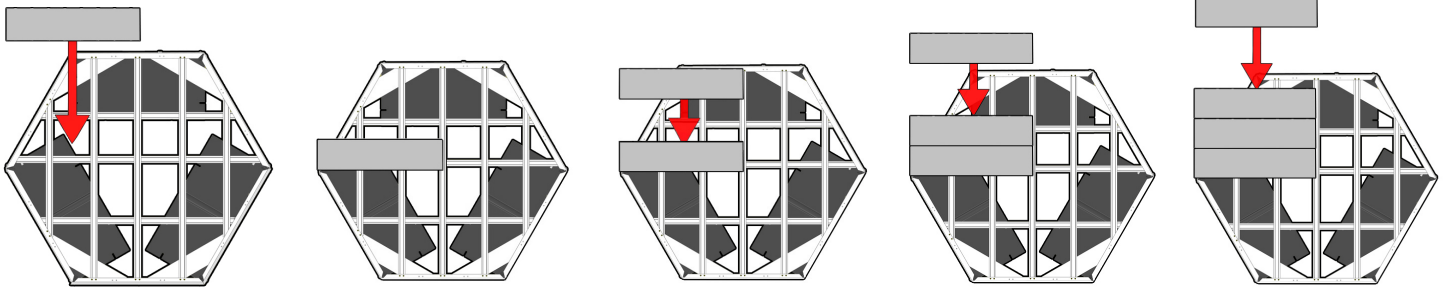
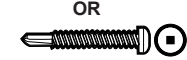
X16

ST2



X80

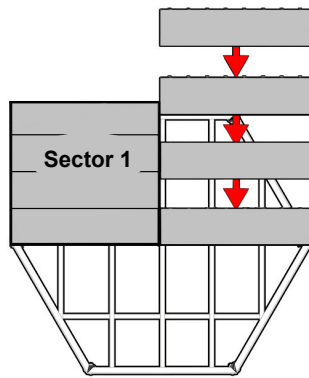
STR2



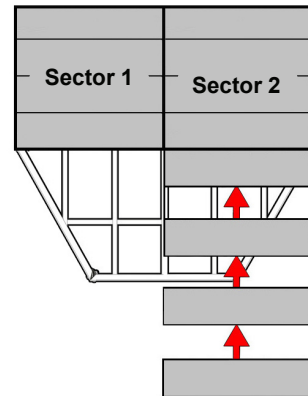
Using the string as a guide install first sheet of ThruFlow™ decking (DK1x4) centred and aligned against the straight edge of the string. Install using 2" self drilling tek screws (ST2/STR2). See ThruFlow™ Installation instructions. Ensure the inside edge of the decking rests in the centre of the joist frame.

23

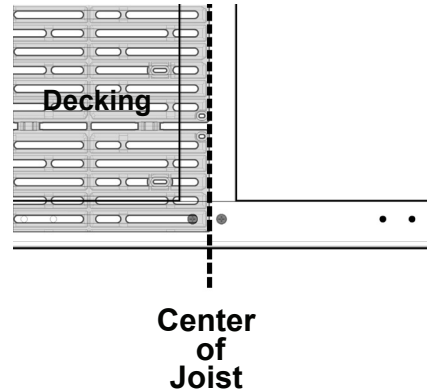
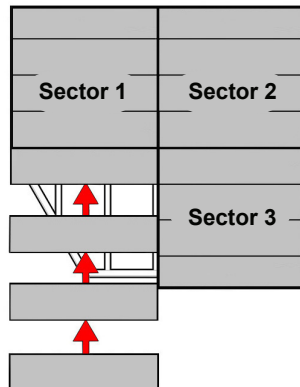
A



B

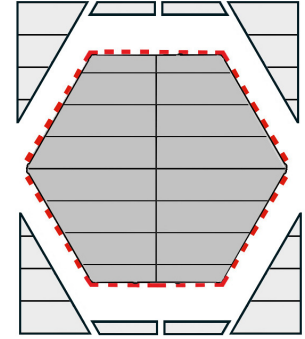
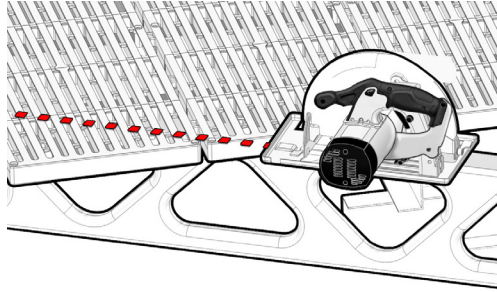
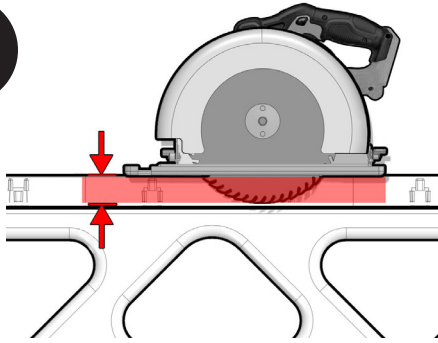


C



Fill in the second sector of the dock frame with Thruflow™ decking (DK1x4) as shown above. Ensure the inside edge of the decking rests in the center of the joist frame and is aligned with the sector next to it. Install using 2" self drilling tek screws (ST2). Continue these steps for sectors 3 & 4.

24



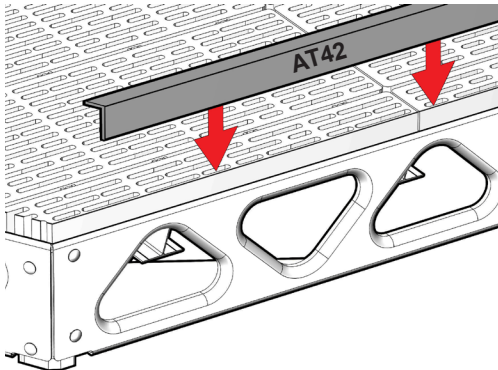
Once the above panels are installed cut any excess panels from the edges of the truss with a circular saw. Set circular saw to a cutting depth that will not cut into the aluminum dock frame (Approx. 1"). Cut off excess ThruFlow™ decking (DK1x4) as shown. Do not discard the excess pieces as these will be used to fill in the corner areas of the hexagon.

25

ST075  X6

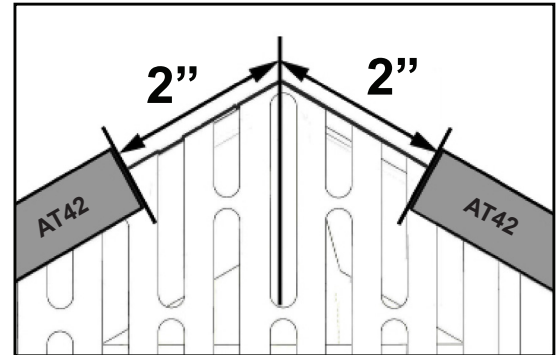
AT42  X6

A



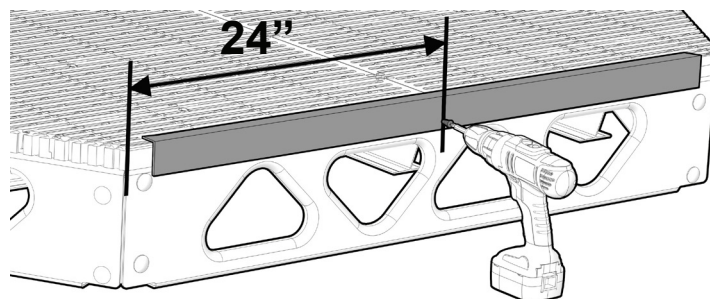
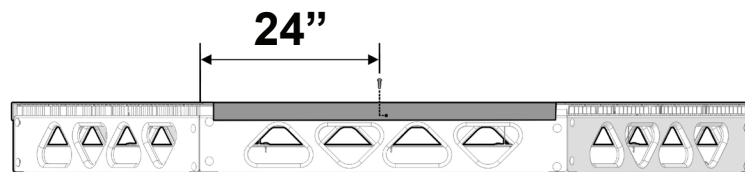
Place aluminum trim (AT42) pieces along each side of the hexagon frame.

B



Distribute the aluminum trim(AT42) pieces evenly on each side of the hexagon so they are 2" from the corner of the truss to the edge of the trim.

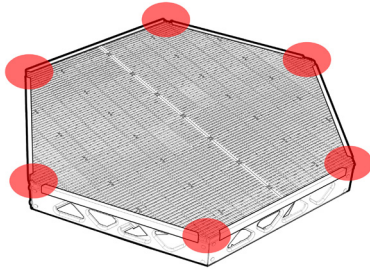
C



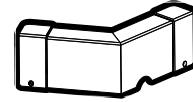
Install Aluminum Trim (AT42) around the sides of hexagon by drilling a 3/4" self drilling tek screw(ST2/STR2) through the trim into the truss. Use the diagram above for spacing.



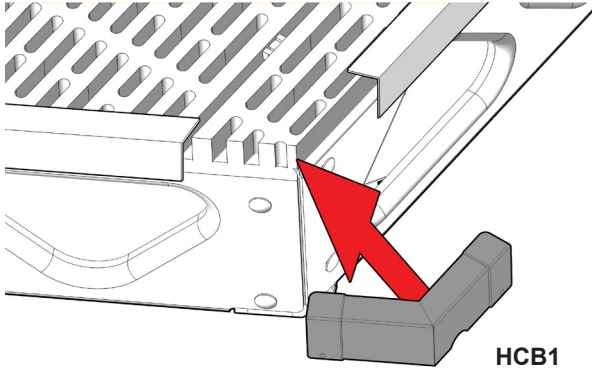
26



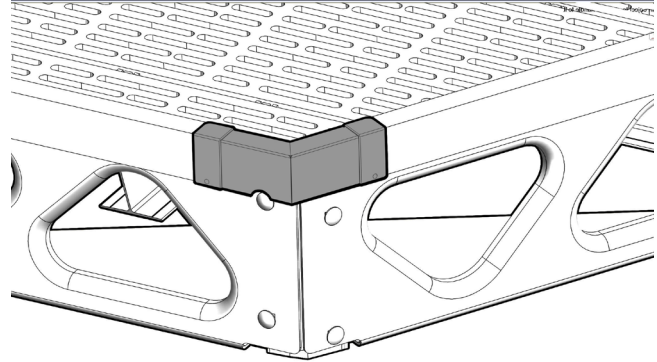
HCB1



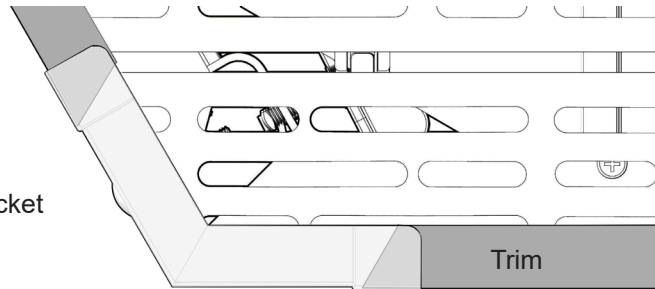
X6



HCB1



Corner Bracket  
(HCB1)



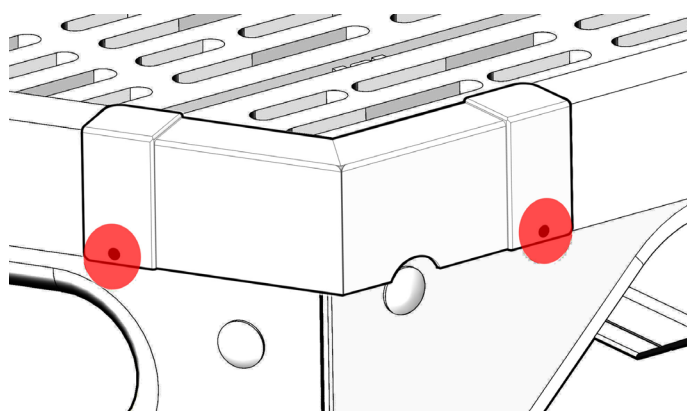
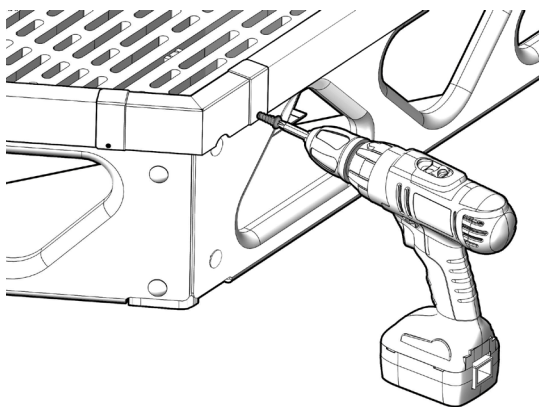
The ends of the aluminum trim(AT42) should fit underneath the ends of the corner bracket(HCB1).

27

ST075

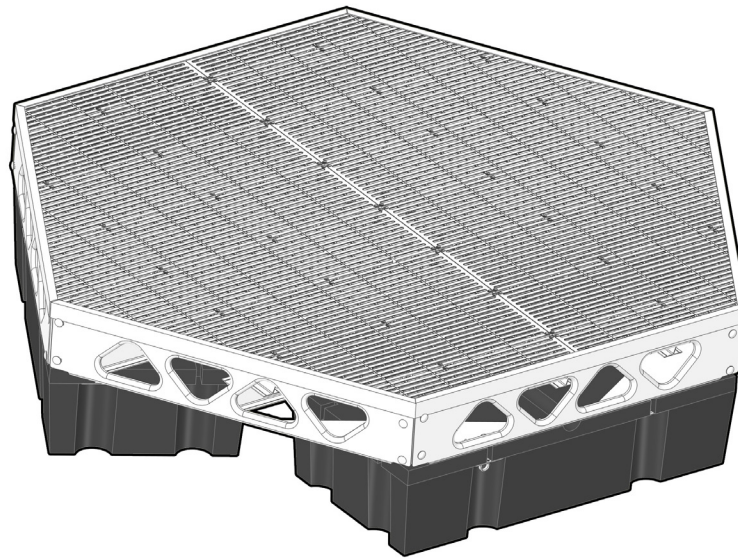


12X

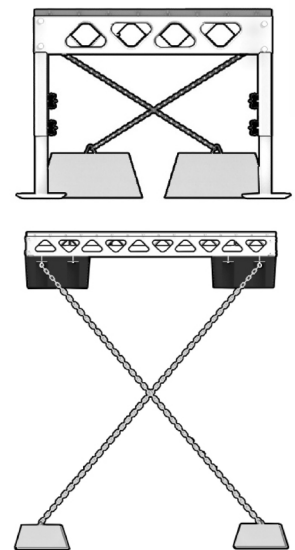
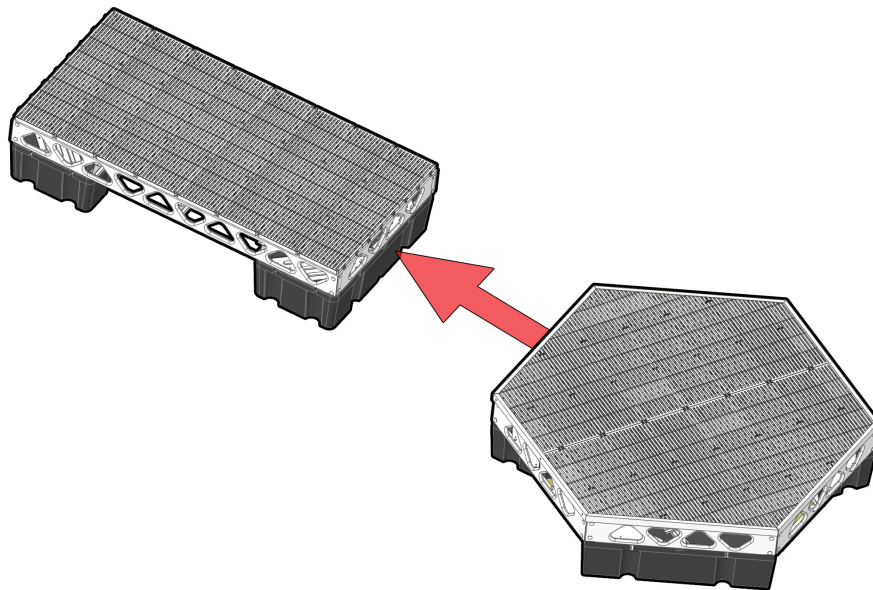


Fasten the bracket with two screws(ST075) in the locations shown Step 26.

28



29



Attach to dock system or if using as a raft float place the hexagon in your preferred location on the water and anchor accordingly.