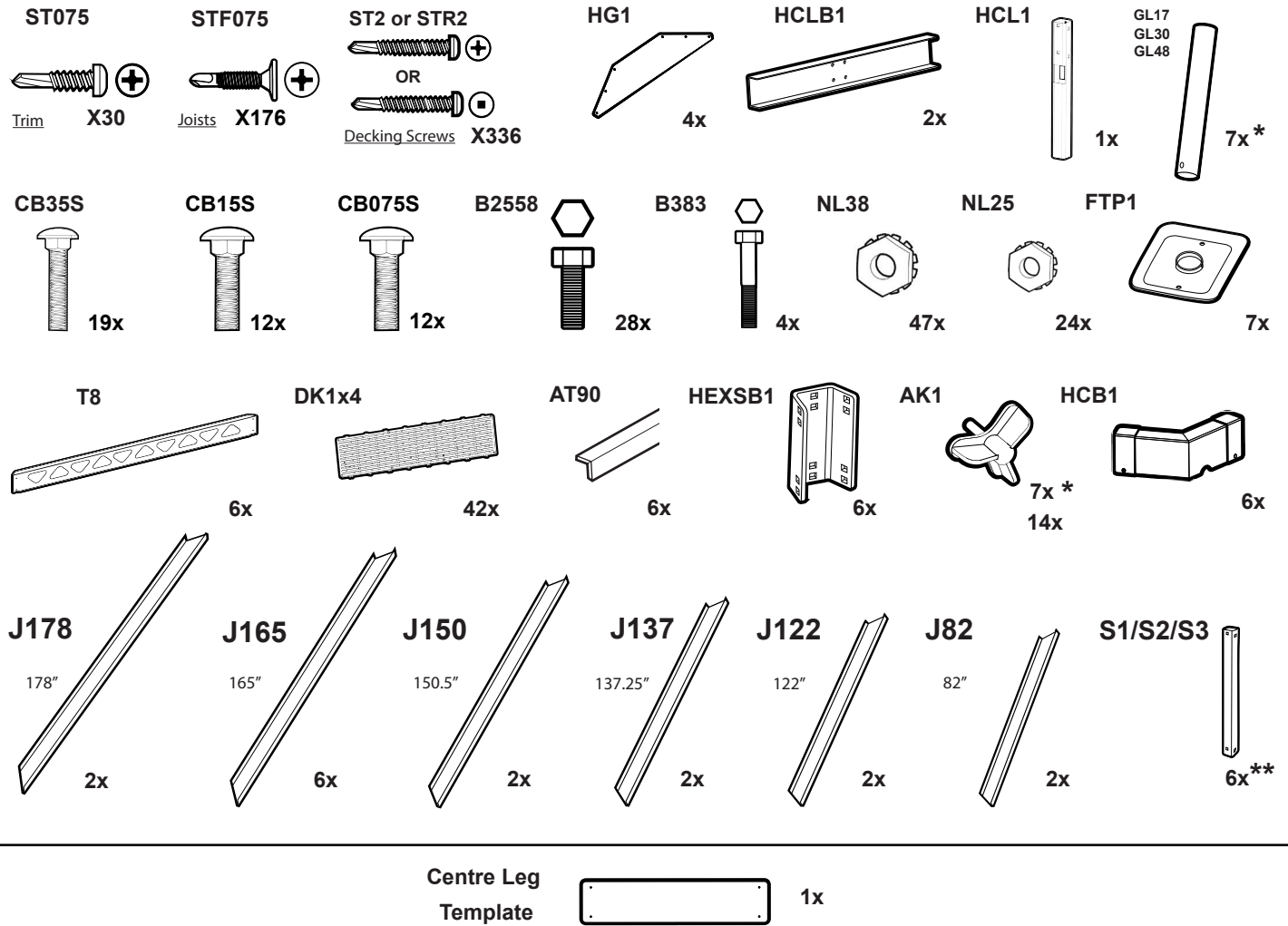


# PART LIST:



<b>STF075</b>	#12x <sup>3</sup> / <sub>4</sub> " Flat Head Tek Screw (Joists)	<b>x176</b>	<b>FTP1</b>	Foot	<b>x7</b>
<b>ST2 or STR2</b>	#12x2" Self Drilling Tek Screw (Decking)	<b>x336</b>	<b>T8</b>	Truss (8 ')	<b>x6</b>
<b>ST075</b>	#12x <sup>3</sup> / <sub>4</sub> " Pan Head Tek Screw (Aluminum Trim)	<b>x30</b>	<b>DK1x4</b>	1'x4' Thruflow™ Decking	<b>x42</b>
<b>HG1</b>	Hex Corner Gusset	<b>x4</b>	<b>AT90</b>	90.5" Aluminum Trim	<b>x6</b>
<b>HCLB1</b>	Centre Leg Crossframe	<b>x2</b>	<b>HEXSB1</b>	Connector Bracket	<b>x6</b>
<b>HCL1</b>	Centre Leg	<b>x1</b>	<b>AK1</b>	Adjustment Knob	<b>x7*</b>
<b>GL17/30/48</b>	Leg Tube	<b>x7*</b>	<b>HCB1</b>	Corner Bracket	<b>x6</b>
<b>CB35S</b>	3/8" x 3 1/2" Carriage Bolt**	<b>x19</b>	<b>J178</b>	178" Joist	<b>x2</b>
<b>CB15S</b>	3/8" x 1 1/2" Carriage Bolt**	<b>x12</b>	<b>J165</b>	165" Joist	<b>x6</b>
<b>CB075S</b>	3/8" x 3/4" Carriage Bolt	<b>x12</b>	<b>J150</b>	150" Joist	<b>x2</b>
<b>B2558</b>	1/4" Hex Bolt	<b>x28</b>	<b>J137</b>	137" Joist	<b>x2</b>
<b>B383</b>	3/8" Hex Bolt	<b>x4</b>	<b>J122</b>	120" Joist	<b>x2</b>
<b>NL38</b>	3/8" Lock nut	<b>x47</b>	<b>J82</b>	82" Joist	<b>x2</b>
<b>NL25</b>	1/4" Lock Nut	<b>x24</b>	<b>S1/S2/S2</b>	Leg	<b>x6**</b>

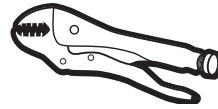
\* the amount of adjustment knobs may vary depending on leg length for water depth

\*\* leg length used for your dock will depend on your water depth

TOOLS REQUIRED:



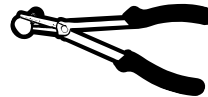
Safety Glasses



Locking Pliers



Measure Tape



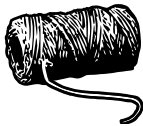
Long Nose Pliers



Utility Knife



9/16" Socket with ratchet to suit



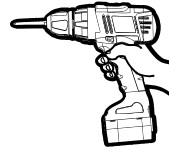
Roll of String



9/16" Box Wrench



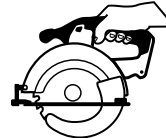
Magic Marker



Power Drill



13/32" Drill Bit

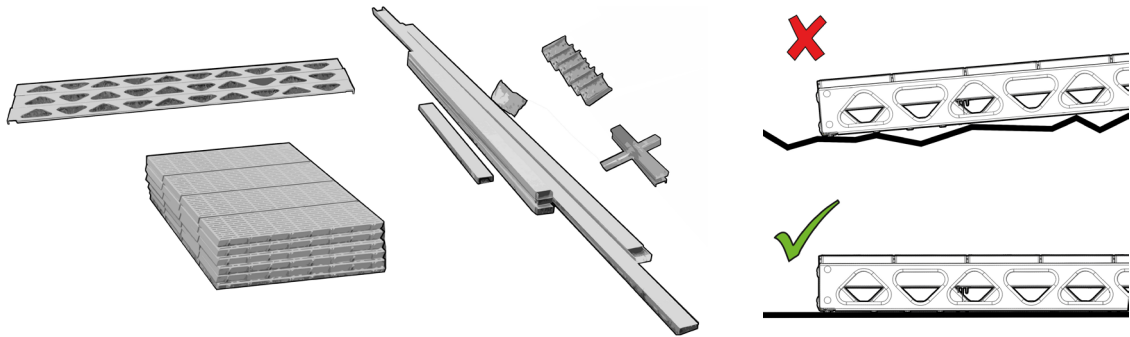


Circular Saw



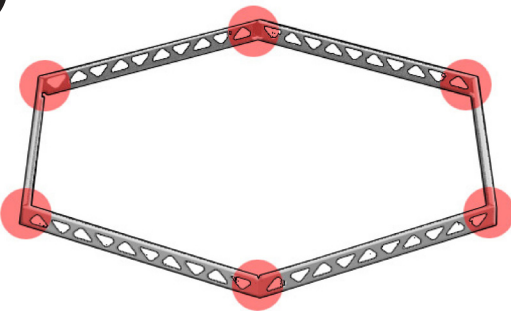
5/16" Allen Wrench

1



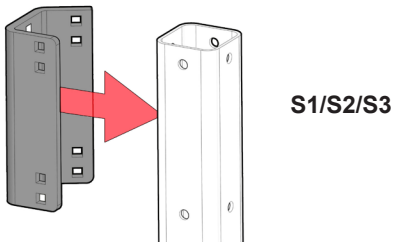
Find a level area with lots of space large space to spread out all the parts for your build. Ensure you have all needed components before beginning the build. Please see Pages 1-2 for full parts list and tools needed to complete the job.

2

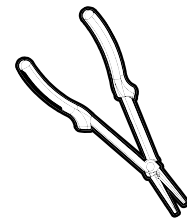
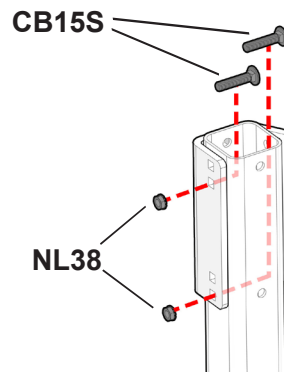


HEXSB1		X6	CB075S		X12
T8		X6	CB15S		X12
NL38		X36	CB35S		X12
S1/S2/S3		X6*	* model number for legs ie. S1, S2 or S3 depends on your water depth		

A

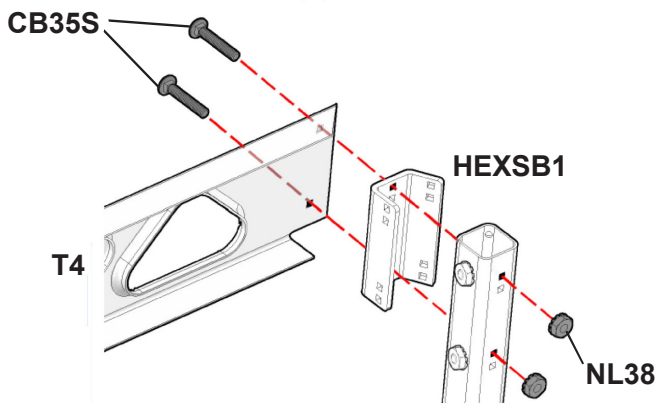


B

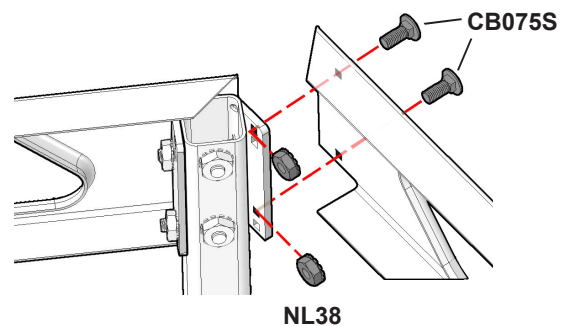


Use extended pliers to hold bolts in place that are too difficult to hold by hand.

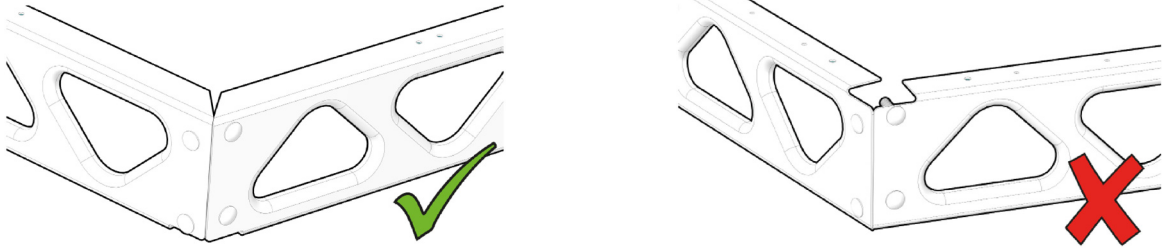
C



D



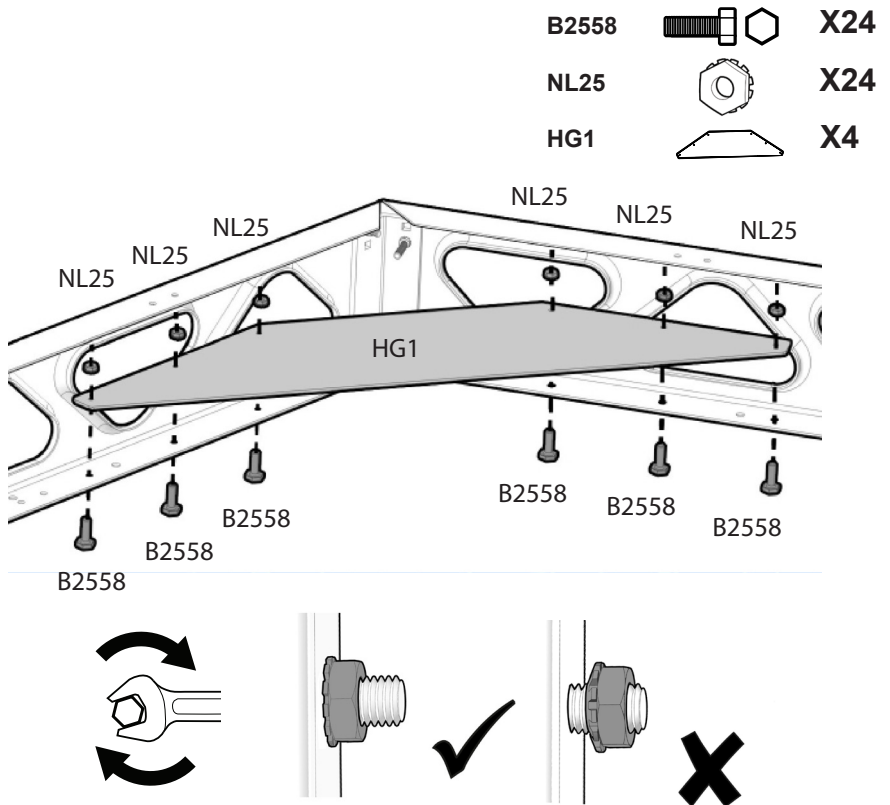
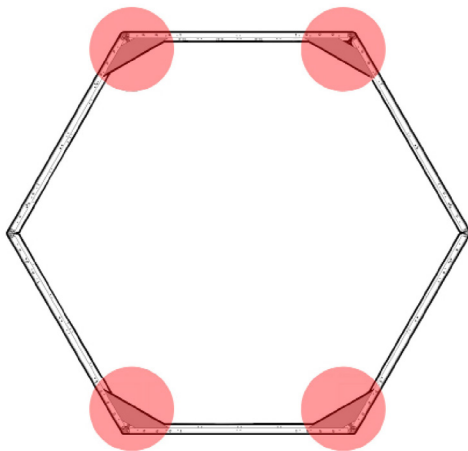
3



Ensure that top of trusses are facing upwards.

4

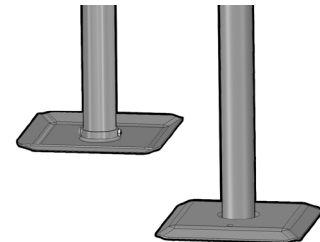
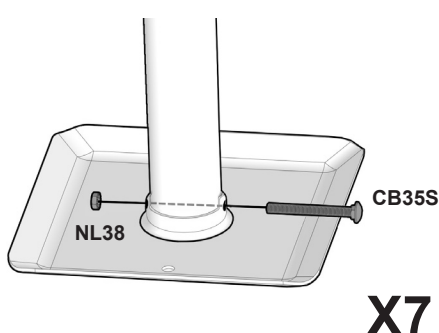
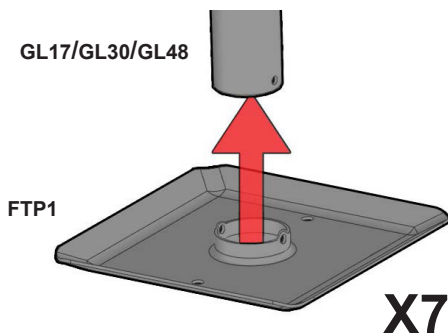
### Corner Gusset Locations



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

FTP1 X7  
GL17 / GL30 / GL48 X7  
NL38 X7  
CB35S X7

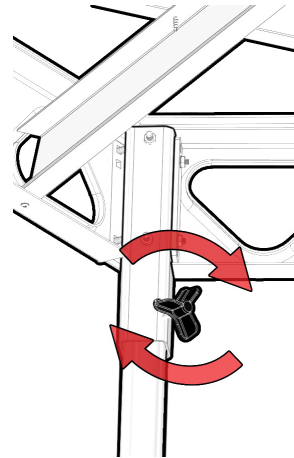
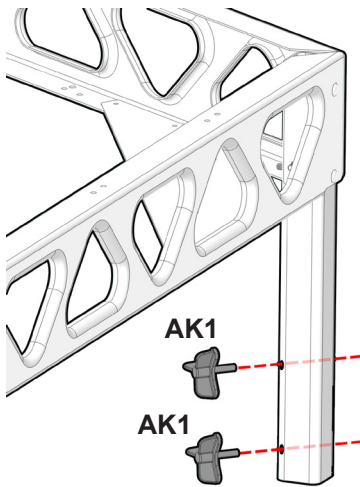
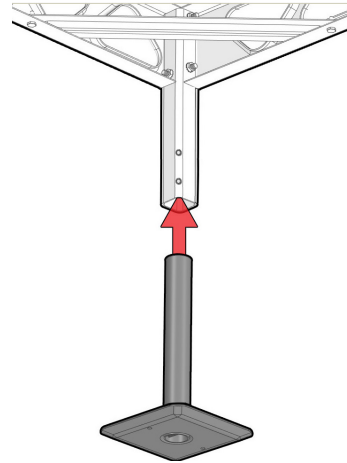
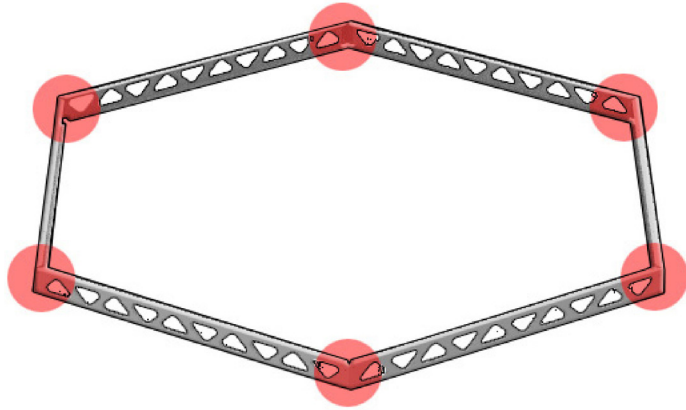


Depending on the conditions of your lake bottom  
you may change the orientation of the feet.



6

AK1

X6\*  
X12

Place bottom portion of leg assembly (from Step 5) into all 6 leg inserts. Place adjustment knobs(AK1) into the lower section of the leg. Adjust all legs to required length and then tighten the adjustment knobs to hold legs in place.

**PLEASE NOTE:** For dock models with 1' to 2' legs may only have one adjustment knob per leg instead of two.

\* the amount of adjustment knobs will vary depending on leg length for water depth

7

J122



X2

STF075

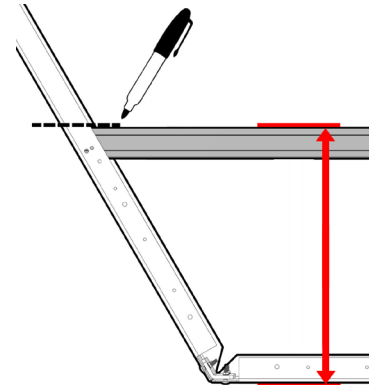


X8

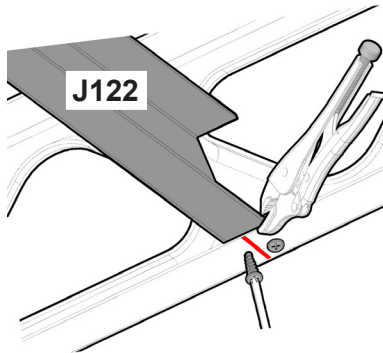
A



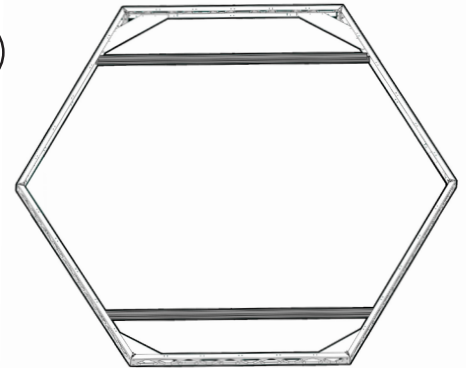
B



C



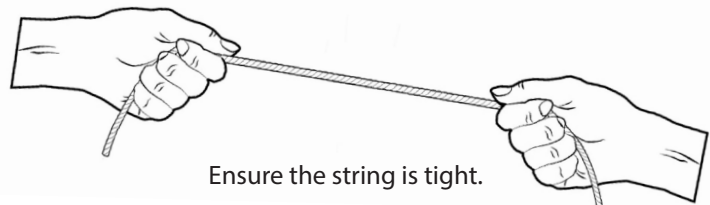
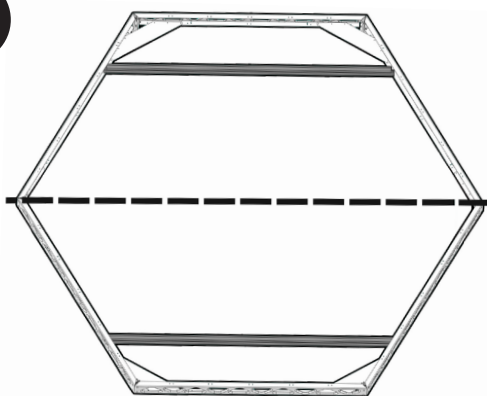
D



Measure 24" from the edge of truss to the inside of the hexagon frame(See Image 7A). Mark off joist on either side of frame with permanent marker. Place joist(J122) so that it is flush with the markings(See Image 7B). Fasten joists on the bottom lip of the truss using self drilling tek screws (STF075) and #3 Phillips driver bit. Use two screws for each end of the joist. Repeat instructions for joist on the opposite side of hexagon.

**PLEASE NOTE:** The legs have been removed from the images above and some of the proceeding instructions to better demonstrate joist installation.



8

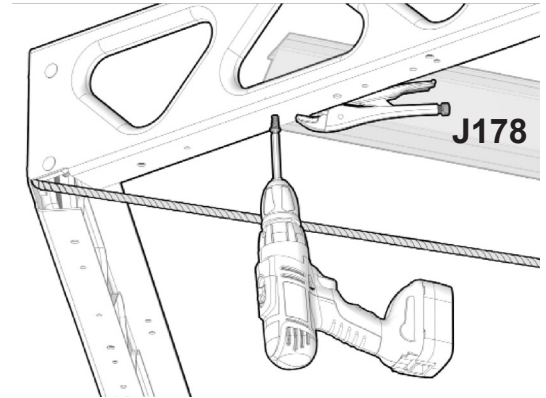
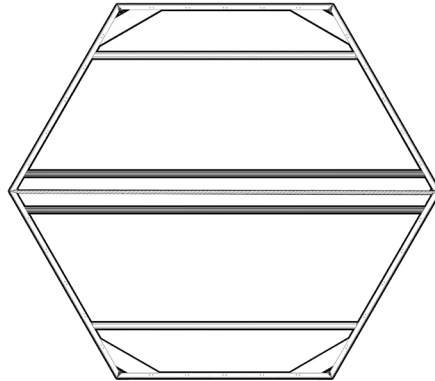
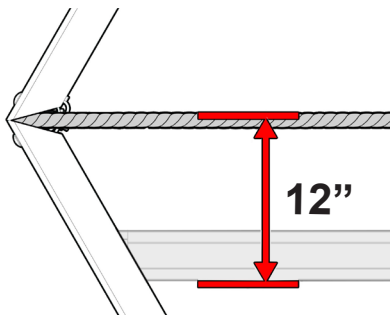


Ensure the string is tight.

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



9

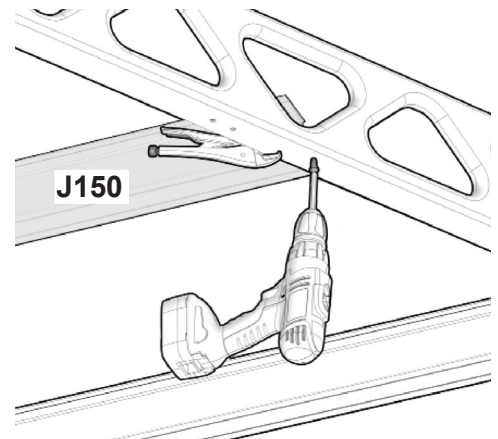
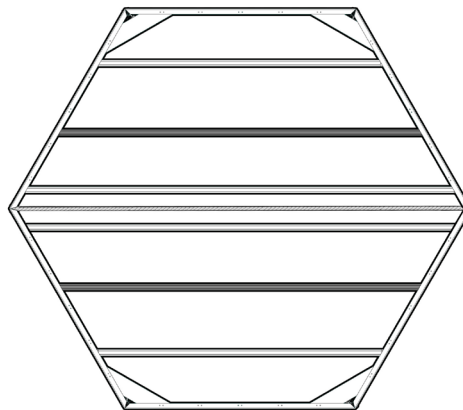
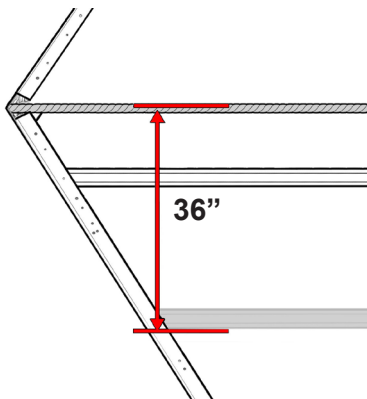
J178  X2  
STF075  X8



Measure 12" from the edge of the string to the side of the hexagon frame and mark with a permanent marker (See above). Measure and mark 12" on the opposite side of the string. Place joist(J178) so it is centred with the markings. Fasten joists on the bottom lip of the truss using #12x¾" self drilling tek screws (STF075). Repeat for joist on the opposite side of hexagon.

10

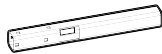
J150  X2  
STF075  X8



Measure and mark 36" off joists on either side of frame with permanent marker. Place joists(J150) so that they are flush with the markings. Fasten joists on the bottom lip of the truss using #12x¾" self drilling tek screws (STF075). Repeat Step 10 for truss on the opposite side of hexagon.

11

HCL1



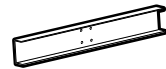
1x

B383



X4

HCLB1



X2

NL38



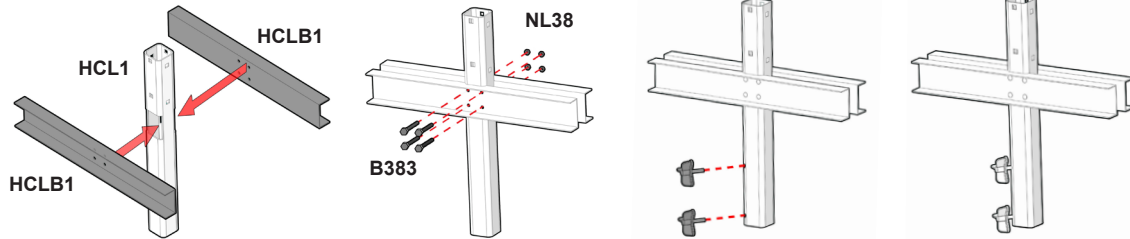
X4

AK1



X2

### Centre Leg Assembly

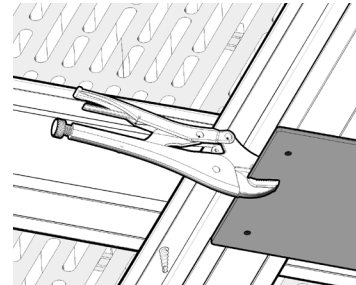
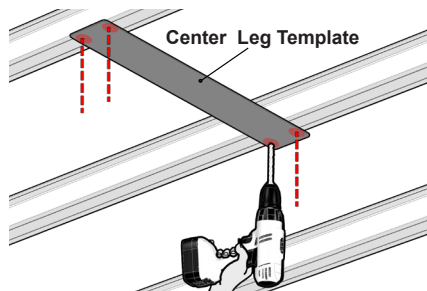
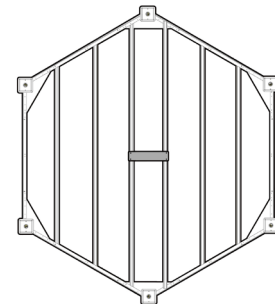
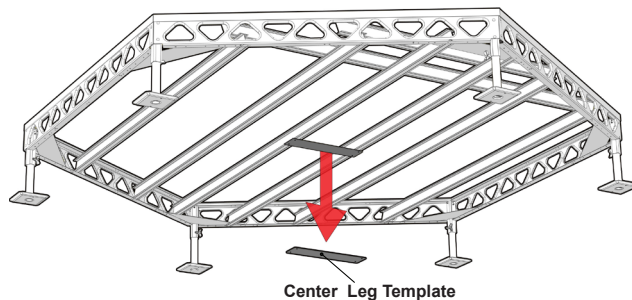


12

Center Leg Template

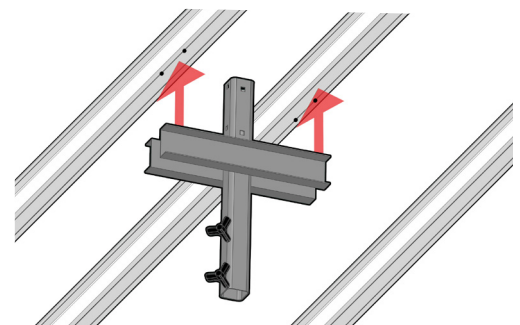
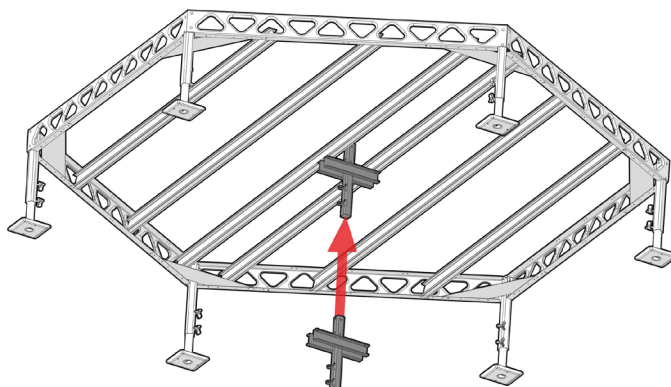


X1



Position centre leg template in the direct centre of the frame between the two centre joists (See above) . Using the template as a guide drill 4 holes with a 13/32" drill bit. It may be helpful to secure the template with locking pliers for drilling.

13



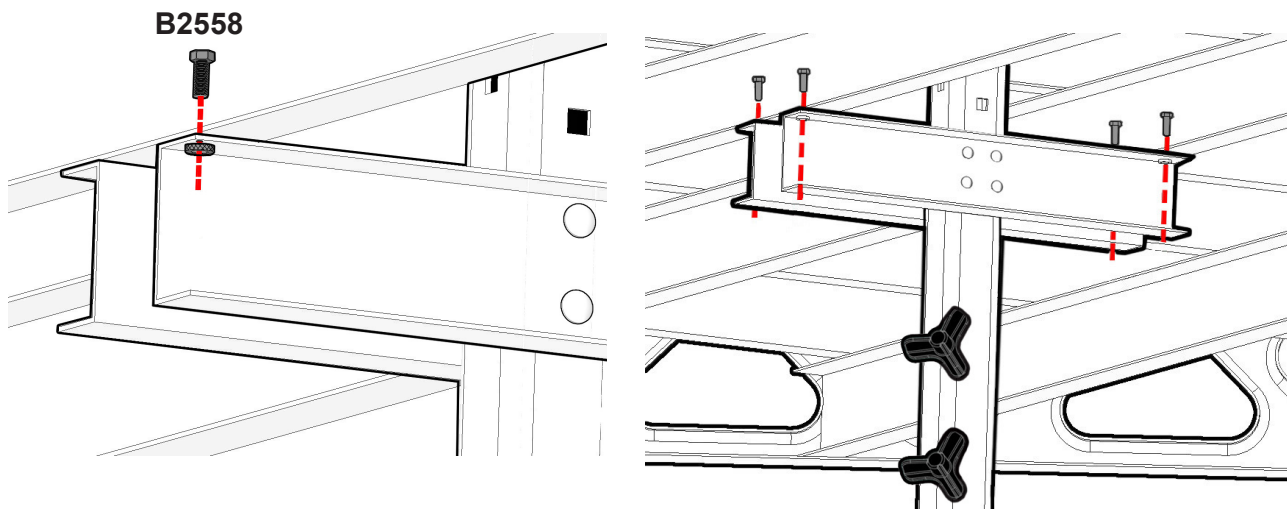
Position centre leg over the drilled holes from Step 12.

14

B2558

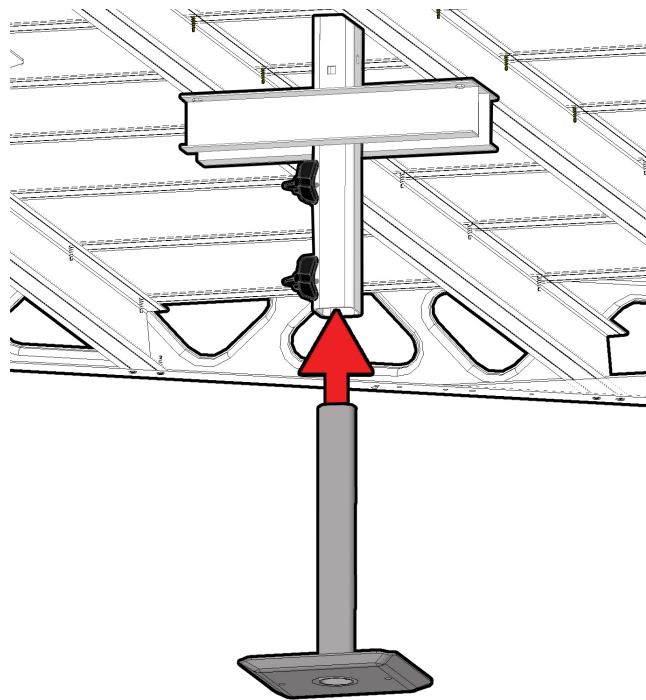


X4

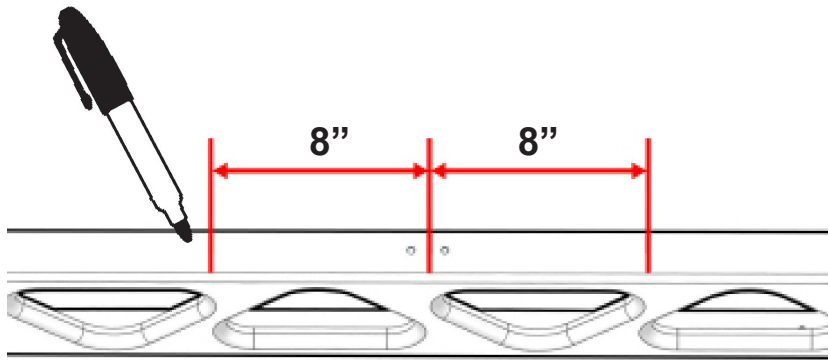


Fasten centre leg to the drilled joists using provided 1/4" bolts (B2558).

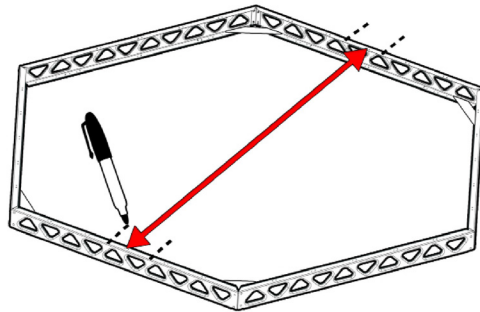
15



16



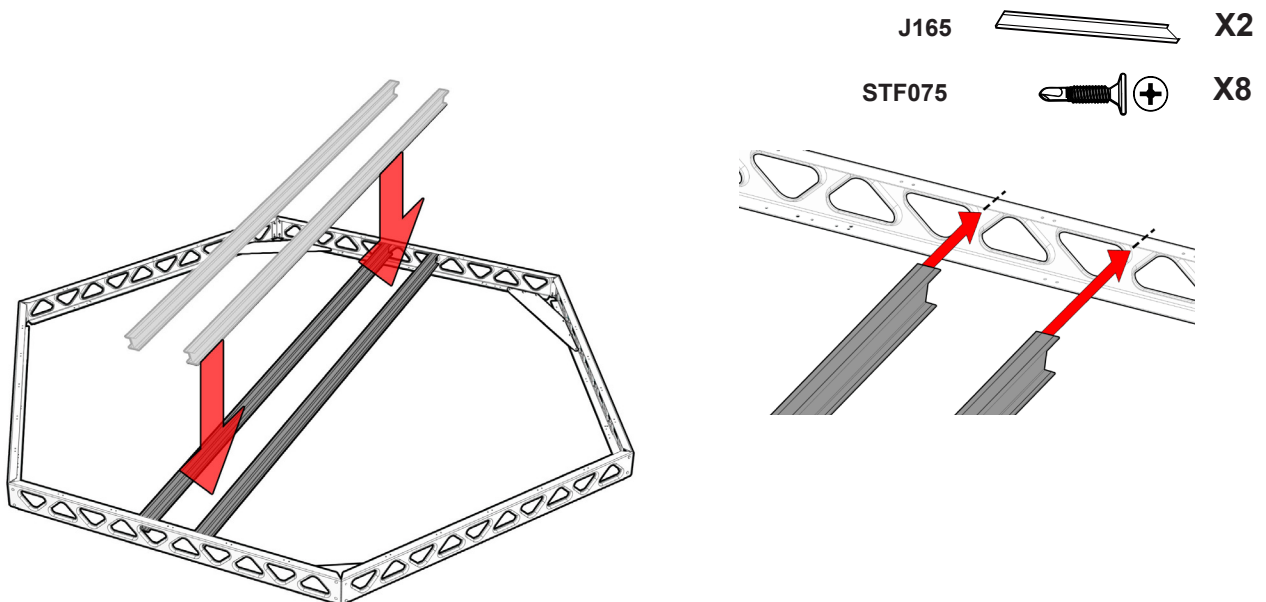
Measure 8" from center of truss (T8) on either side of the truss frame and mark on top with permanent marker.



Repeat on truss on the opposite side of hexagon.

**PLEASE NOTE:** The legs and lower joists have been removed from the images above and some of the proceeding instructions to better demonstrate joist installation.

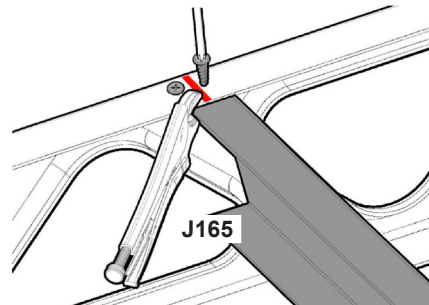
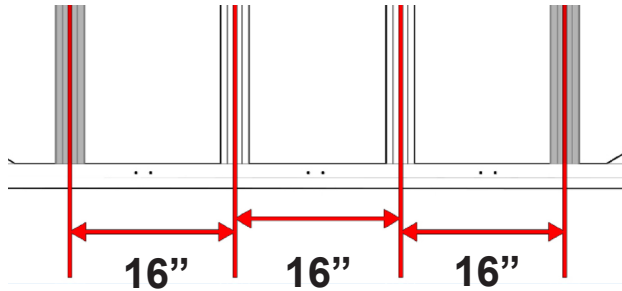
17



Place joists in frame. Using locking pliers to hold in place, line up and centre joists with the markings(See above). Fasten joists (J165) using #12x $\frac{3}{4}$  self drilling tek screws (STF075) and #3 Phillips driver bit.



18



J165



X2

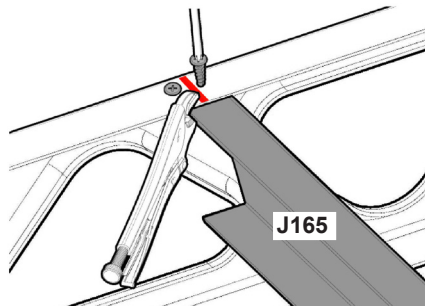
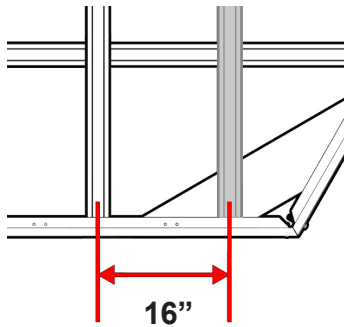
STF075



X8

Measure and mark 16" from the previous marking with permanent marker for both joists (See above). Place joists in frame. Using locking pliers to hold in place, line up and centre joists with markings. Fasten joists (J165) on the top lip of the truss using  $\frac{3}{4}$ " self drilling tek screws (STF075) and Phillips driver bit. Repeat Step 18 for joist on the opposite side of hexagon.

19



J165

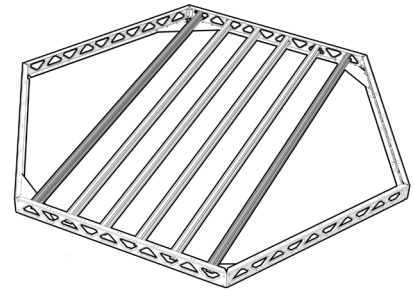


X2

STF075

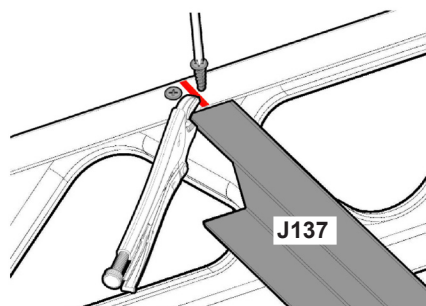
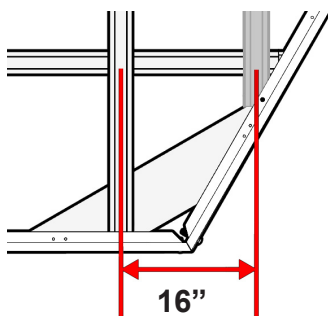


X8



Measure and mark 16" from the previous markings with permanent marker for both joists (See above). Place joists in frame. Using locking pliers to hold in place, line up and centre joists with markings. Fasten joists (J165) on the top lip of the truss using  $\frac{3}{4}$ " self drilling tek screws (STF075). Repeat Step 19 for joist on the opposite side of hexagon.

20



J137

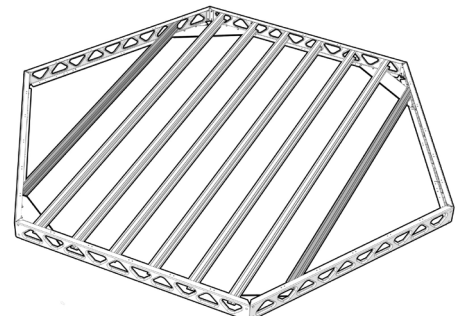


X2

STF075

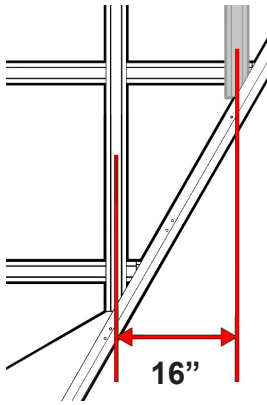


X8



Measure 16" from centre of previous joist and mark with permanent marker on the truss (See above). Place joists in frame. Fasten joists (J137) on the top lip of the truss using  $\frac{3}{4}$ " self drilling tek screws (STF075). Repeat Step 20 for joist on the opposite side of hexagon.

21



STF075

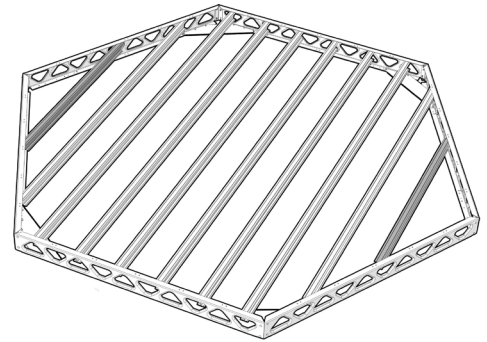
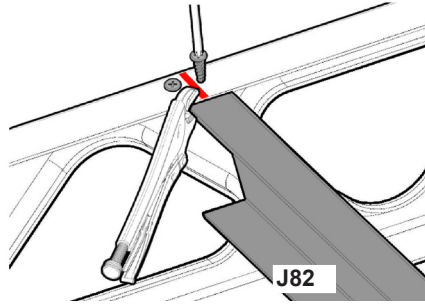


X8

J82



X2

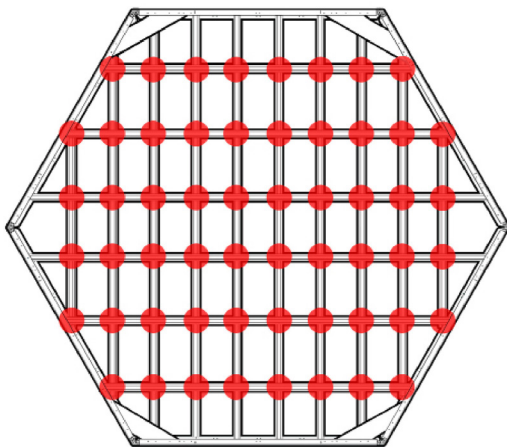


Measure 16" from centre of previous joist and mark with permanent marker on the truss(See Above). Place joists in frame. Fasten joists (J82) on the top lip of the truss using  $\frac{3}{4}$ " self drilling tek screws (STF075). Repeat Step 21 for joist on the opposite side of hexagon.

22



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

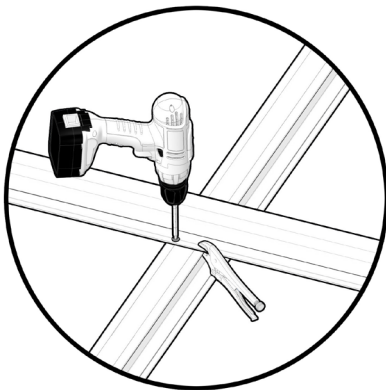


Intersection Locations

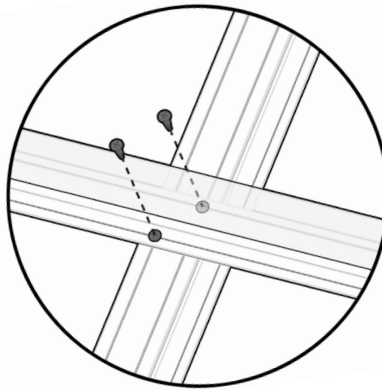
STF075



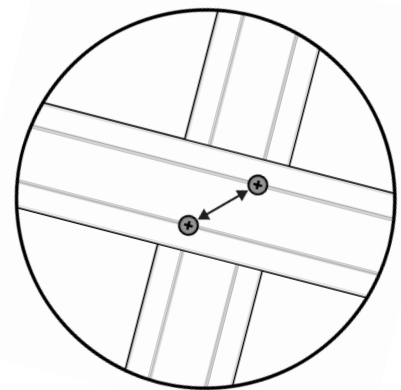
X112



CLAMP INTERSECTION



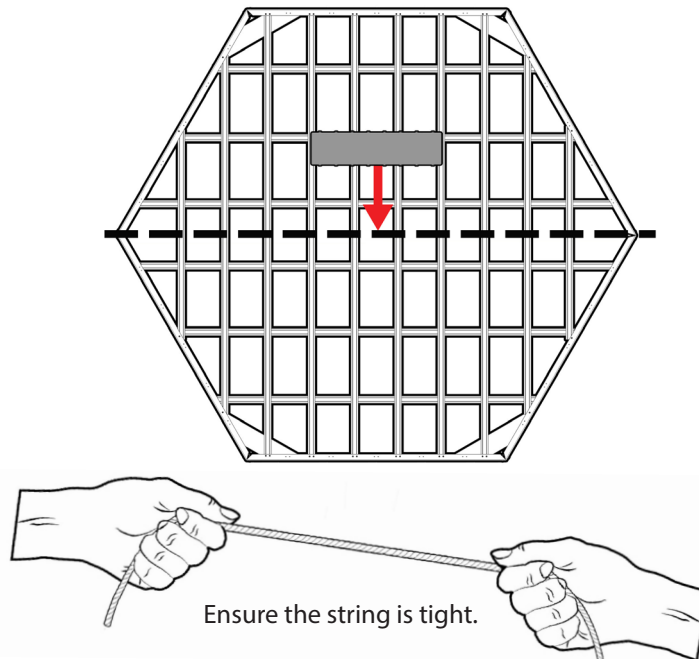
FASTEN INTERSECTION  
WITH SCREWS



FASTEN TWO SCREWS DIAGONAL  
FROM ONE ANOTHER

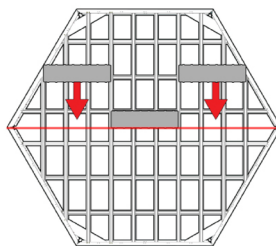
At each joist intersection clamp both overlapping joists together. Place two screws(STF075) at the bottom flange of the top joist in a diagonal pattern. Intersection locations for dock types are shown on the chart above.

23

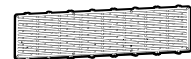


Tie a string to the connecting points to create a straight edge in the middle of the hexagon frame (See above). Install first sheet of ThruFlow™ (DK1x4) centered and aligned against the straight edge. See also ThruFlow™ decking instructions for more detail installing decking.

24

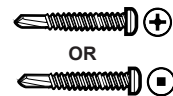


DK1x4



X42

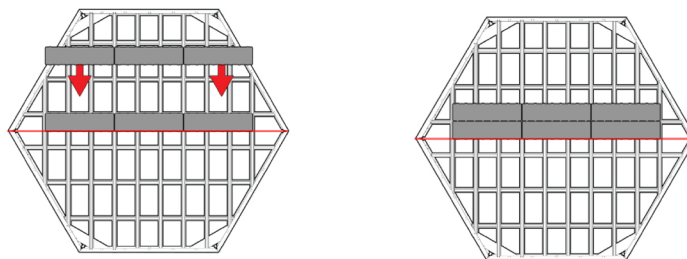
ST2 or STR2



X336

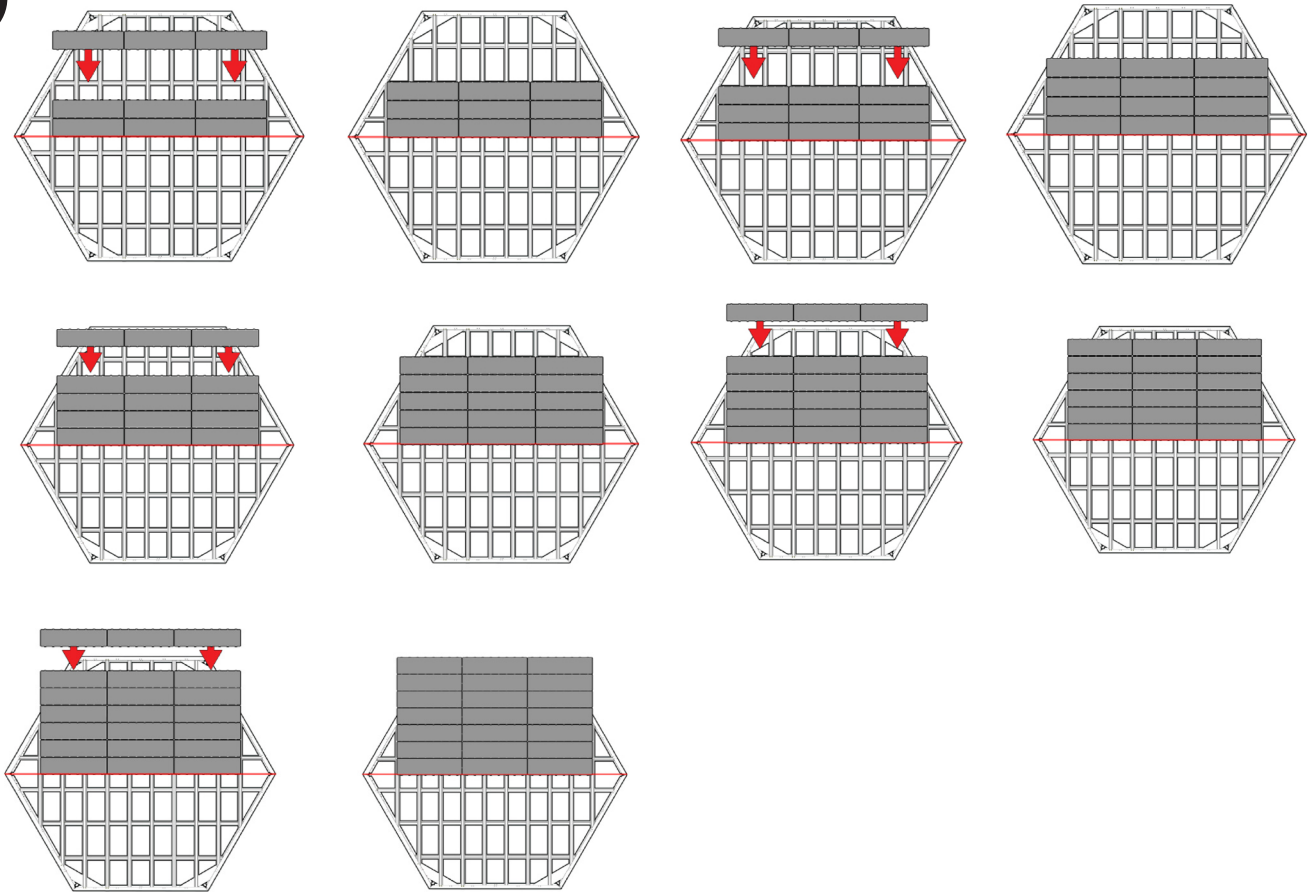
After installing the first piece, align the next two pieces square to your starter piece (See above). Fasten using 2" self drilling tek screws (ST2) and #3 Phillips or Robertson driver bit.

25



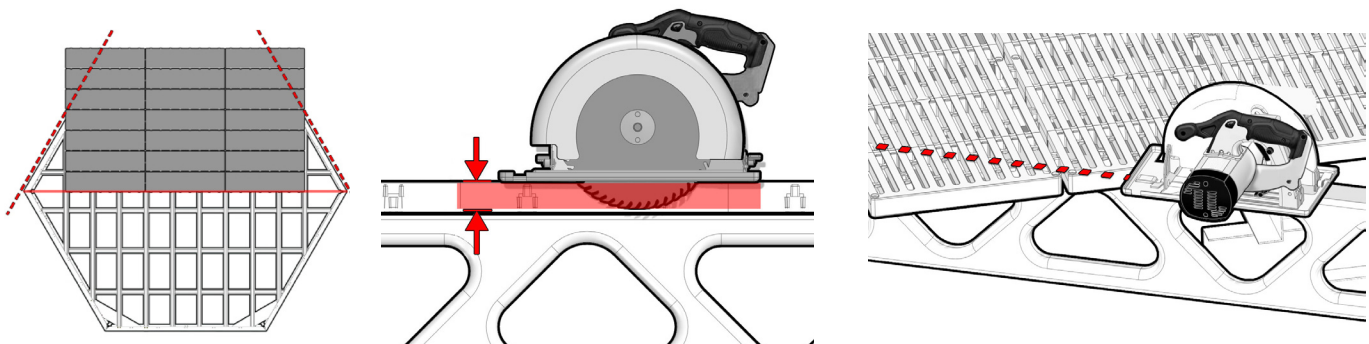
Continue adding Thruflow™ panels ensuring each piece is aligned with the underlying joists and any Thruflow™ panels that will be beside it. Fasten using 2" self drilling tek screws (ST2/STR2).

26



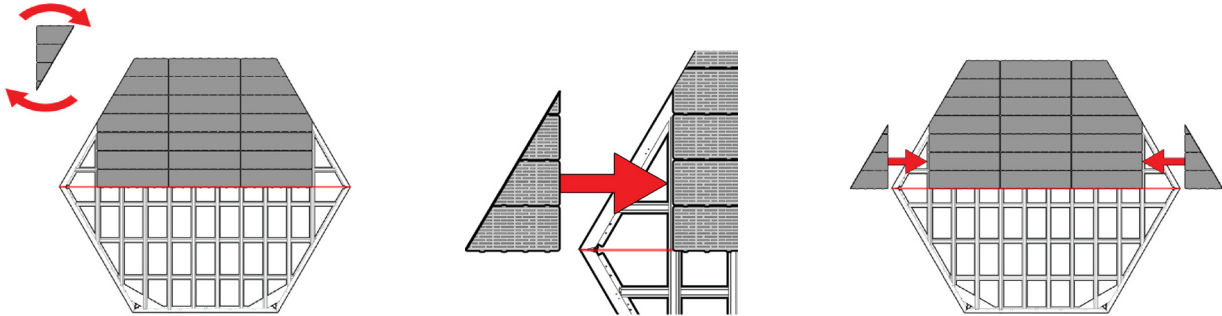
Continue adding Thruflow™ panels ensuring each piece is aligned with the underlying joists and any Thruflow™ pieces that will be beside it. Fasten using 2" self drilling tek screws (ST2/STR2).

27



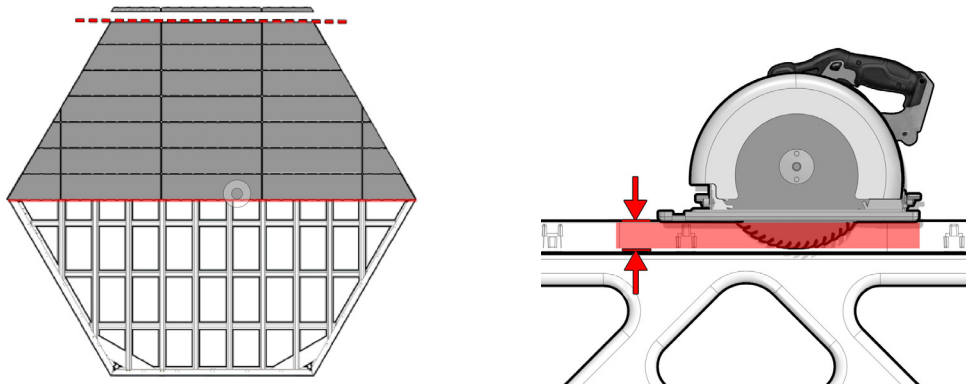
Once the above panels are installed cut any excess panels from the edges of the truss with a circular saw. Set circular saw to a cutting depth that will not cut into the aluminum dock frame (Approx. 1"). Cut off excess ThruFlow™ decking (DK1x4) as shown. Do not discard the excess pieces as these will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

28



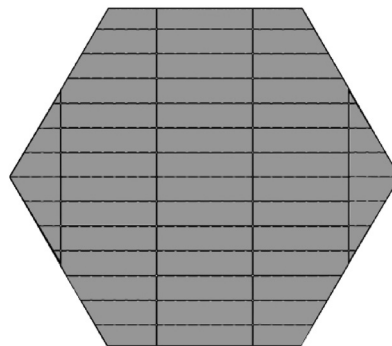
Turn the excess pieces around and add them into the corners of the frame that have not been covered with decking (See above). Install using 2" self drilling tek screws (ST2/STR2). Repeat these instructions for the opposite side of the dock.

29



Cut the excess panel from the top panel with a circular saw. Ensure that the circular saw is set to a depth that will not cut into frame (Approx. 1").



30

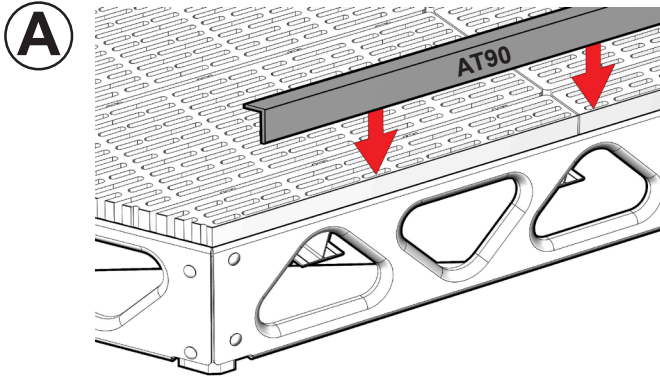


Repeat Steps 23 through 29 on the opposite side of hexagon to complete the decking installation.

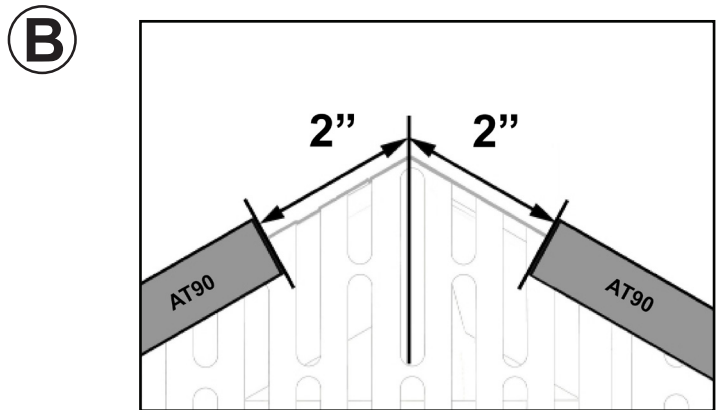


31

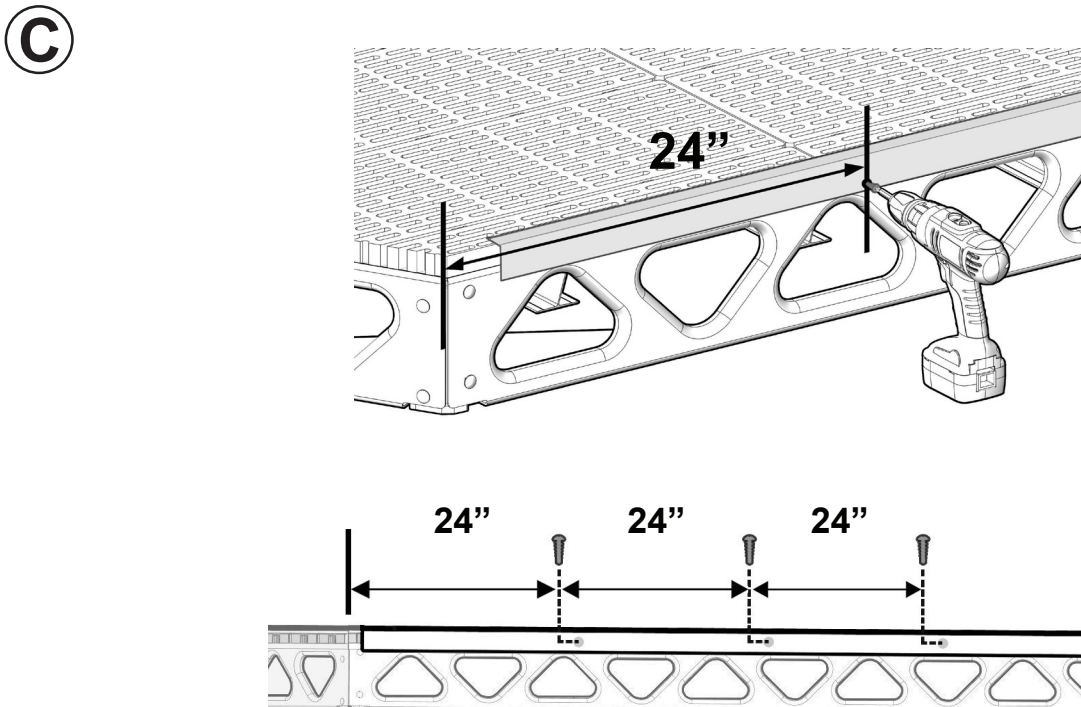
ST075  18X  
AT90  6X



Place & center aluminum trim (AL90) pieces along each side of the hexagon frame.



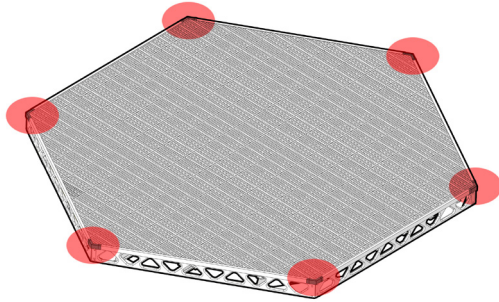
Distribute the aluminum trim(AT90) pieces evenly on each side of the hexagon so they are 2" from the corner of the truss to the edge of the trim.



Install Aluminum Trim (AL90) around the sides of hexagon by drilling three  $\frac{3}{4}$ " self drilling tek screws(ST2/STR2) through the trim into the truss. Use the diagram above for spacing.



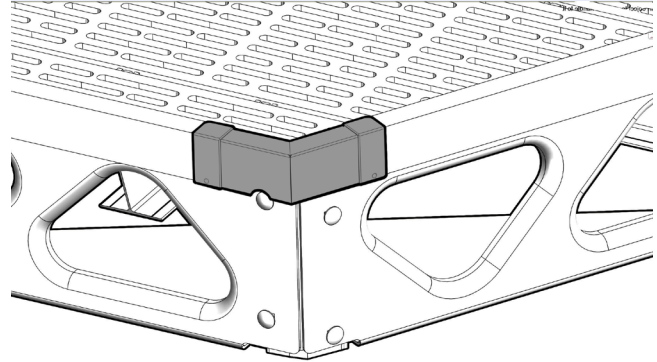
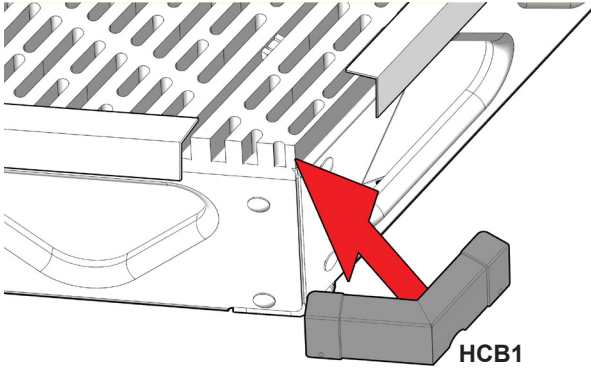
32



HCB1



6X

Corner Bracket  
(HCB1)

Trim

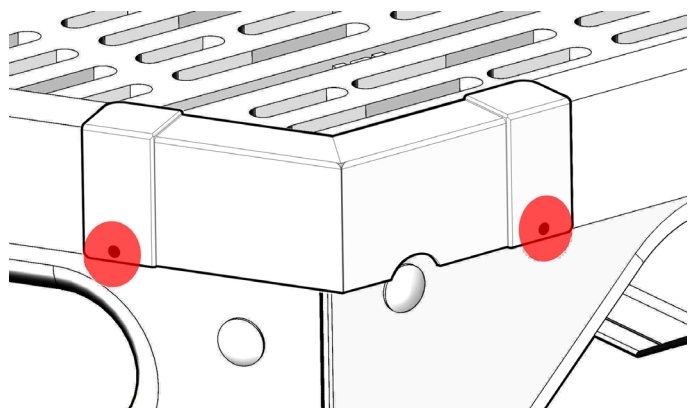
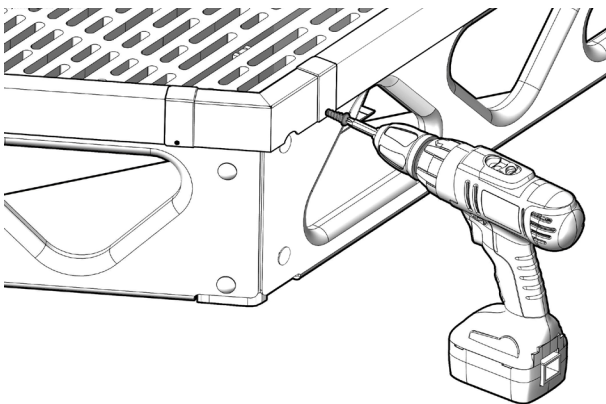
The ends of the aluminum trim(AT90) should fit underneath the ends of the corner bracket(HCB1).

33

ST075



12X



Fasten the bracket with two screws(ST075) in the locations shown above in Step 32. Press down on the bracket while fastening to ensure that the screw properly secured.