

02.

Construct the center frame. 2 corner pieces, 2 leg posts and the special top beam. Use the inner connector tubes (in grey) to hold the structure together. Use nuts and bolts to **tightly** assemble the frame.

Make sure you use the leg post tubes that are 220cm long. (different to the top cross beams that are 200cm long)



03.

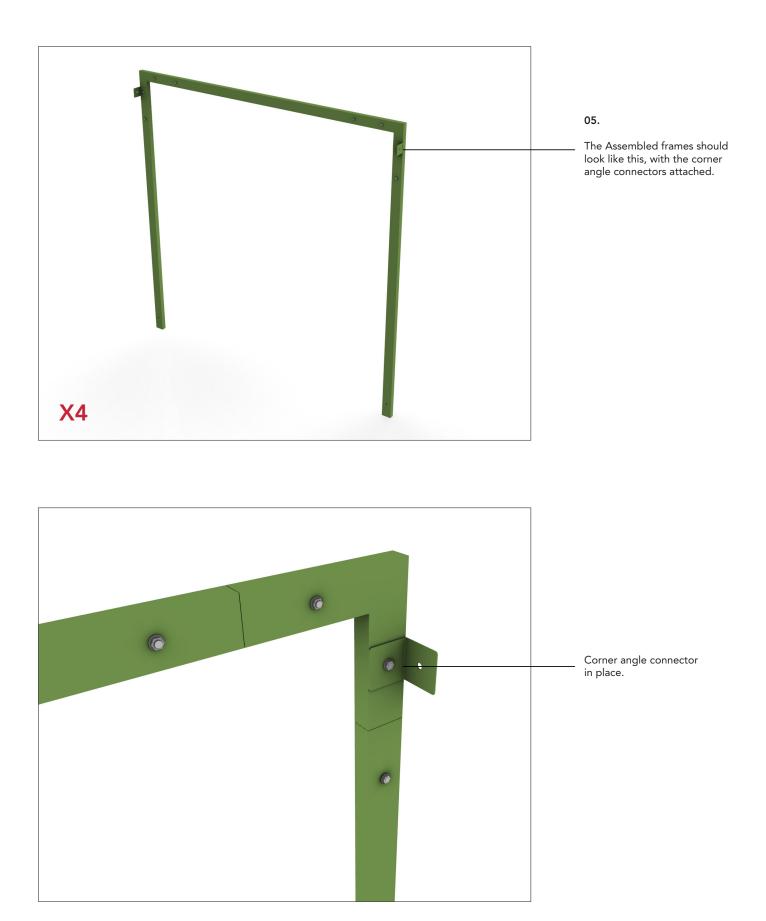
Place the center frame on the center concrete adaptors and fasten with nuts and bolts.



04.

Construct 4 frames that will make up the front and back of the pergola. For each frame: 2 corner pieces, 2 leg posts, a cross beam and 2 corner sheet metal angle connectors. Use the inner tubes (in grey) to hold the structure together. Use nuts and bolts to **tightly** assemble the frames.

Note that the leg post tubes are 220cm long. (different to the top cross beams that are 200cm long)







Place the 4 back and front frames on the concrete adaptors and fasten with nuts and bolts. Connect also the upper corners using the sheet metal corner connectors.



07.

Construct **2** frames that will make up the sides of the pergola. For each frame: 2 corner pieces, 2 leg posts, a **side wall** cross beam. Use the inner tubes (in grey) to hold the structure together. Use nuts and bolts to **tightly** assemble the frames.



08.

Slot the 2 roof support beams into the center cross beam as shown. fasten with nuts and bolts.

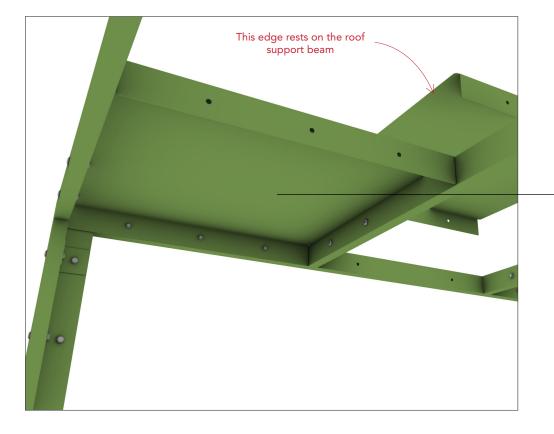
Then attach the side frame you constructed in stage 07.

Repeat the process to the other side of the pergola.



09.

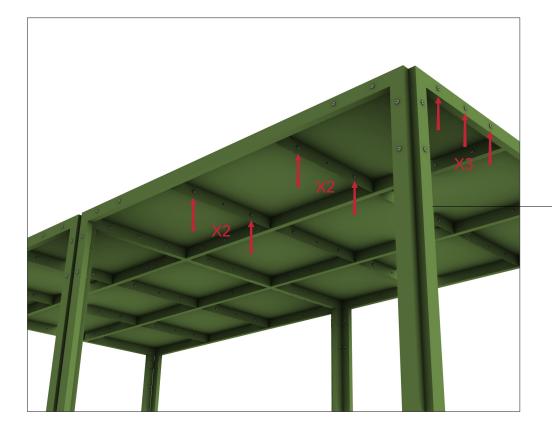
All the beams should now be attached. The leg posts are bolted to the concrete foundation adaptors. On the upper side the frames are connected to each other with the sheet metal corner connectors. The roof support beams are bolted to the center and side cross beams.





Place roof segments as shown and secure to the front,back and roof support beams with nuts and bolts.

18 roof sheets in total.



Each roof segment is attached with 2 bolts to the one next to it. 3 bolts when connected to the wall frames of the pergola.

