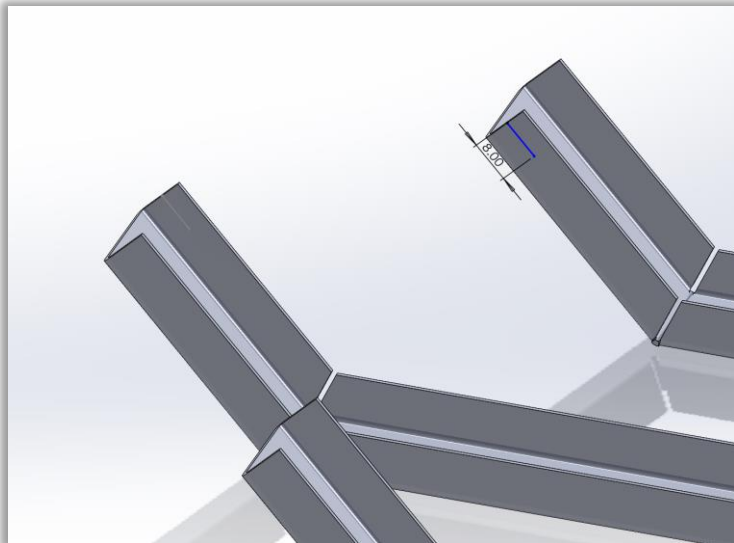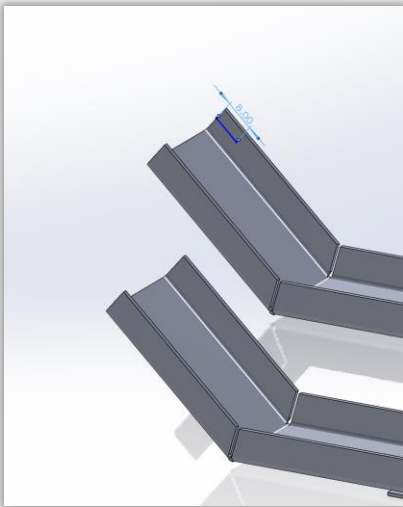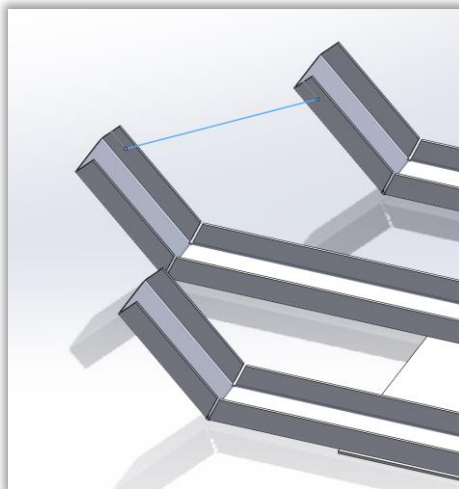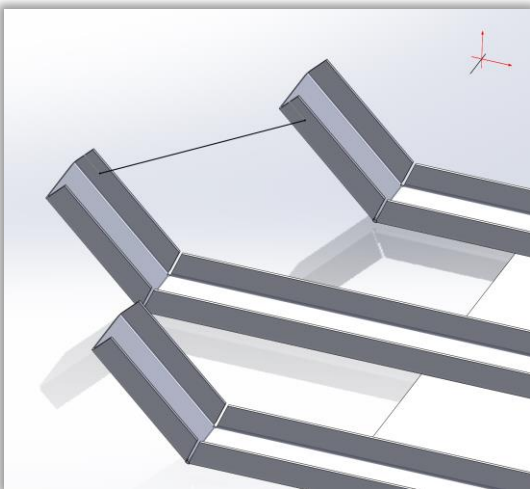1. This is the same type of model that you have shown in your question
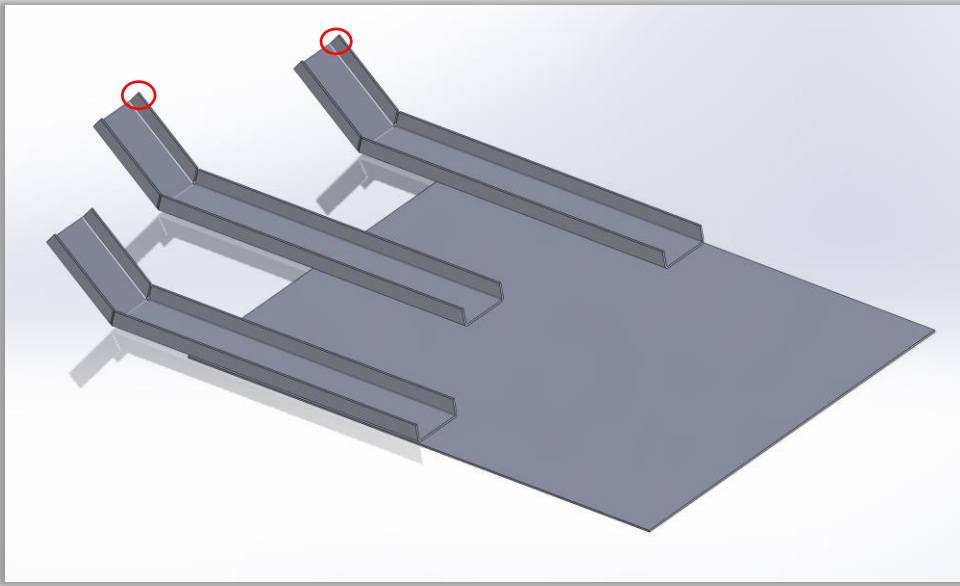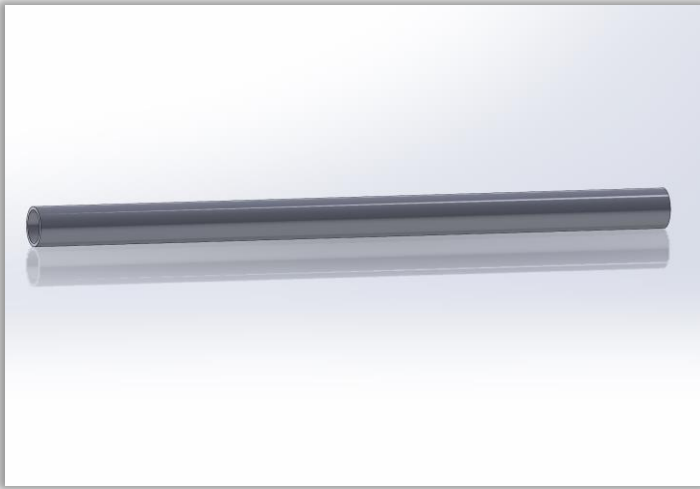

2. Suppose you want to add a pipe below these two edges as shown above and in the middle of the flange. To do that draw two lines on the flange like below. Use the flange surface to draw the lines:
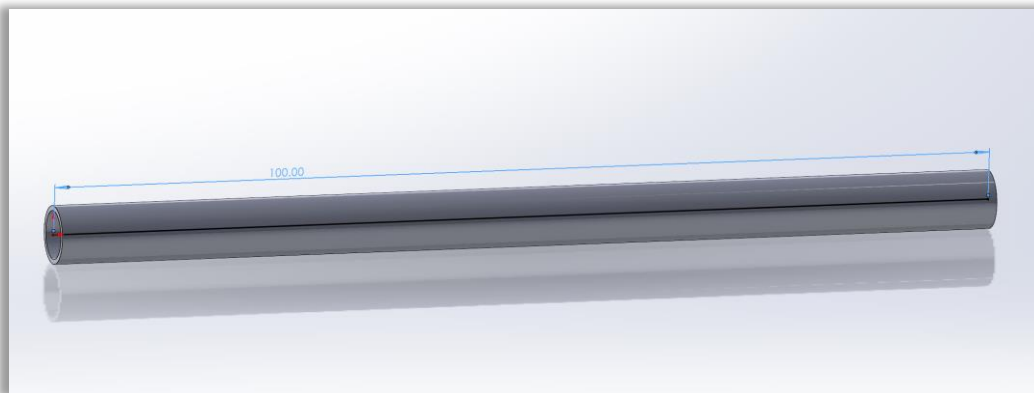

3. Then you draw a line using the 3D sketch between the points as shown. Then exit the sketch.
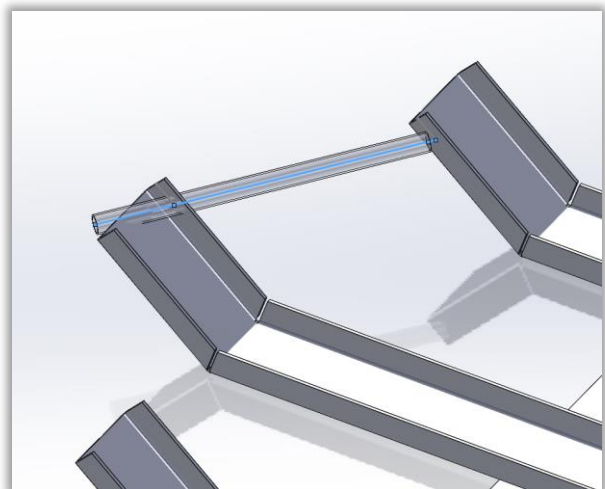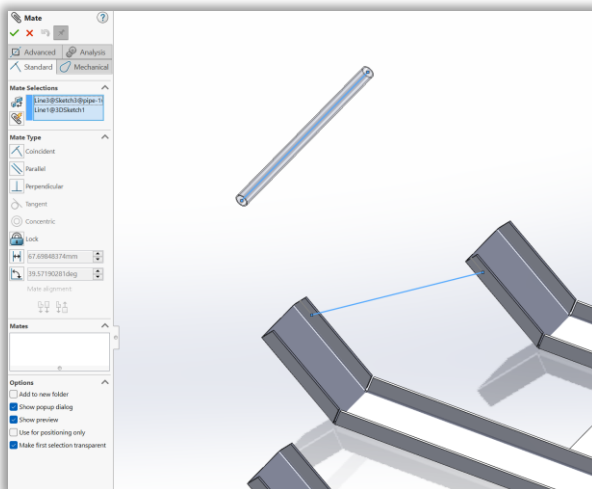
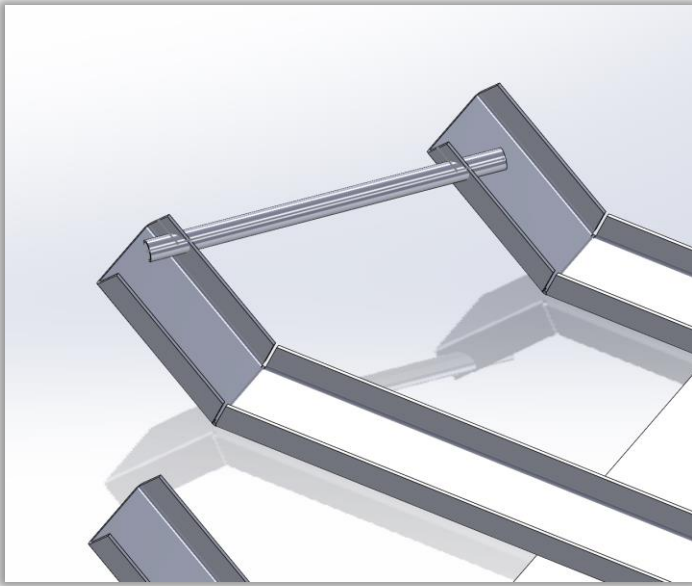4. This is the pipe extruded from the center of the right plane:

5. Draw a line on the front plane like this. The dimension of the line should be equal to the length of the pipe. Exit sketch:
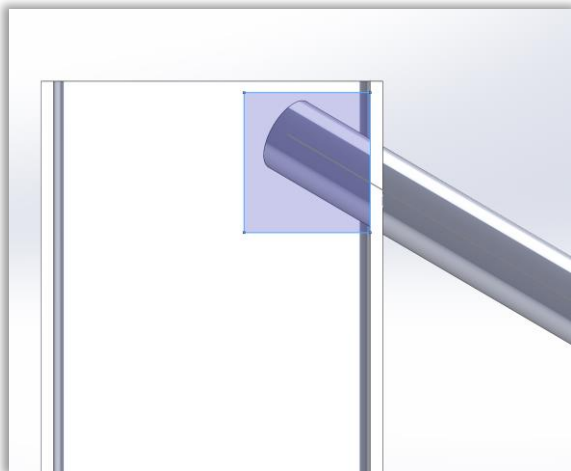

100.00

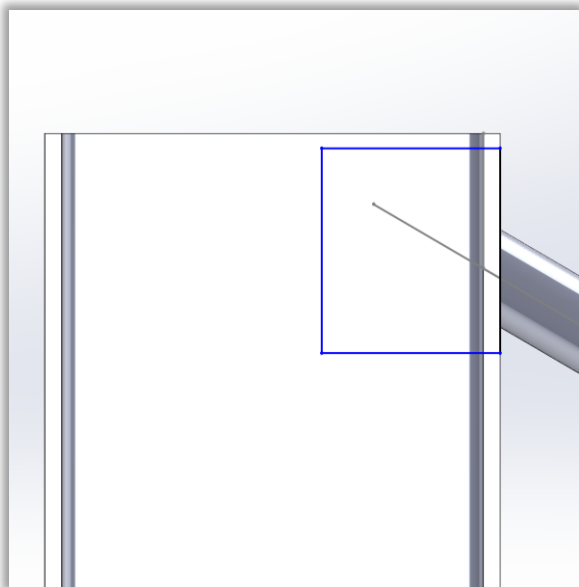6. Select the two lines for mating and select coincident mating

7. This is after mating. You may have to move the pipe to make pass through both flanges.
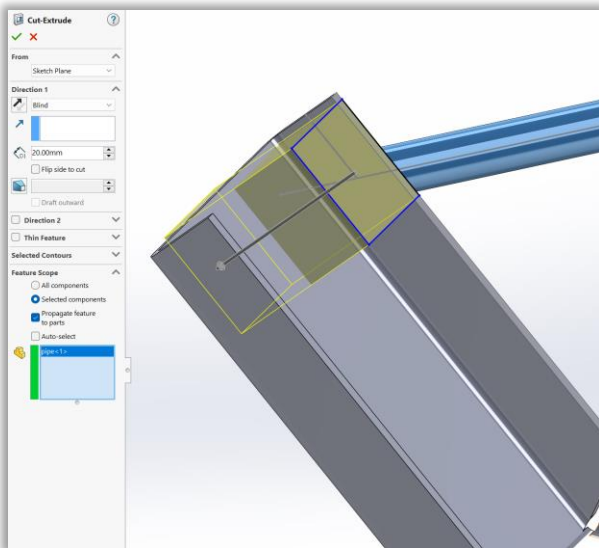

8. Now the pipe is passing through the flanges and you need to cut it. Select the face in the assembly to draw a sketch
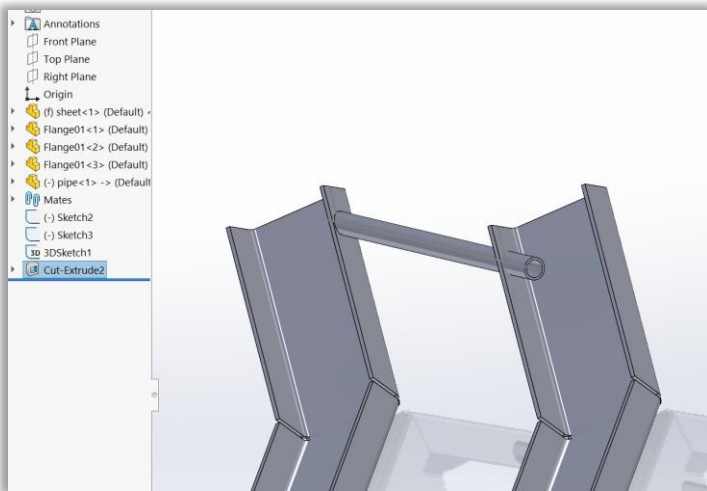

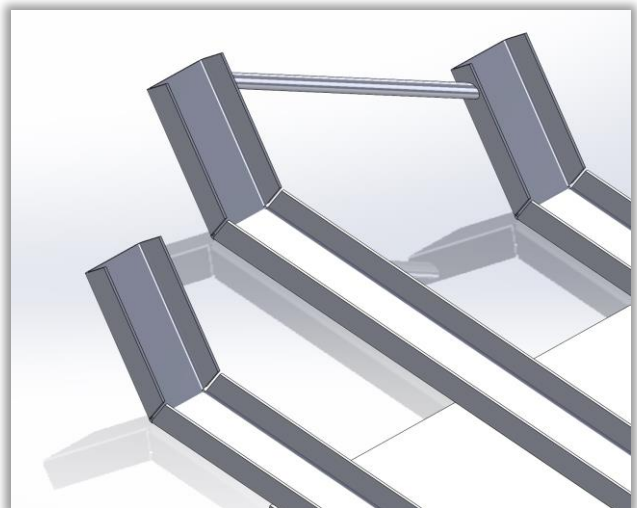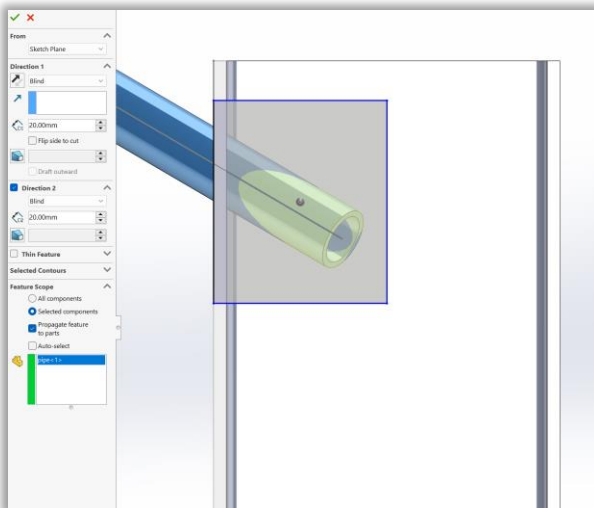9. Use Assembly>Assembly Features>Extruded Cut

10. Select as shown in the feature scope using propagate features to parts and select pipe

11. And you will get here

12. In a similar way cut the other end of the pipe and get this:

13. Now the pipe becomes like this: