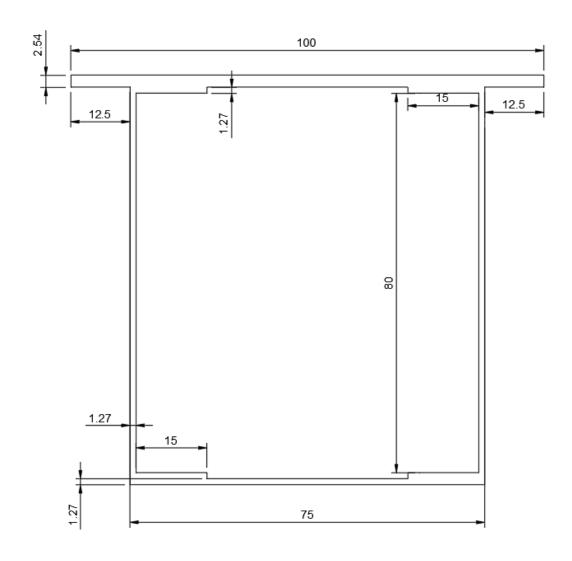
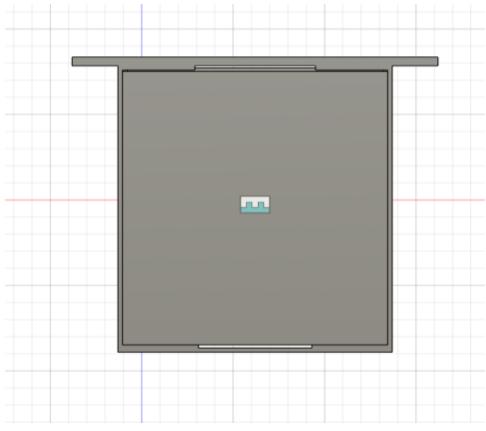
CIV102 Project Team 309 Engineering Drawings

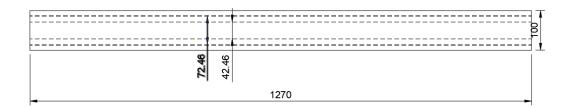
1. Elevation View of the Bridge Drawing:



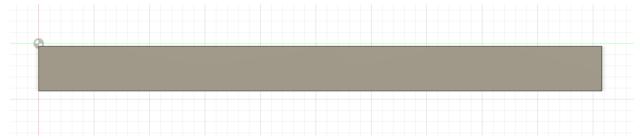
Model:



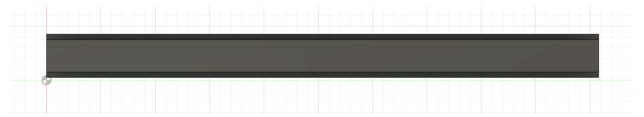
2. Top/Bottom View of the Bridge



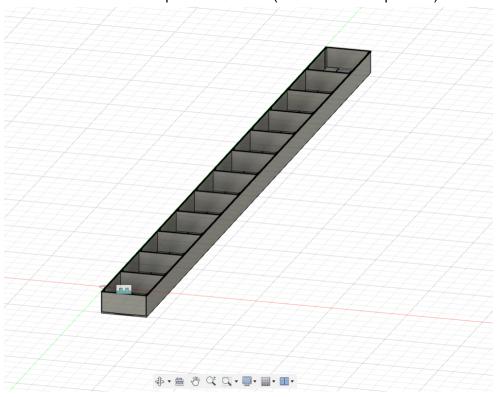
Top View of the model:



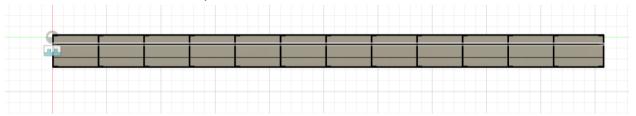
Bottom View of the model:(The shaded area of the area under the flange)



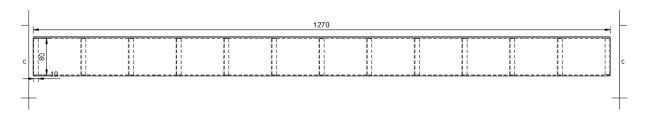
3. Cross Section View at Important locations(Indicates the diaphrams)



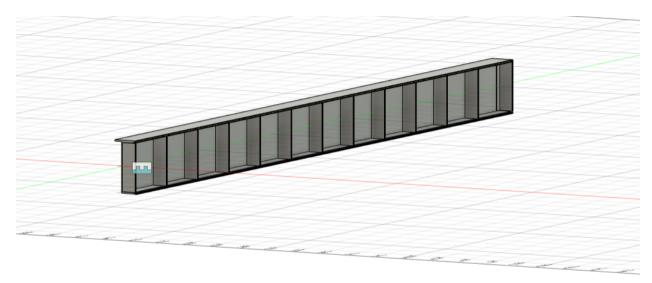
Cross Section View from the top



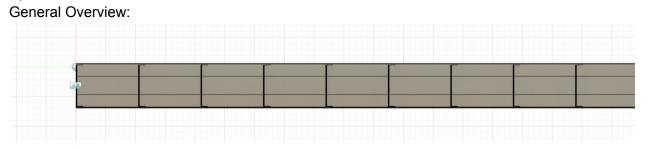
Cross Section View at from right side: with dimensions:



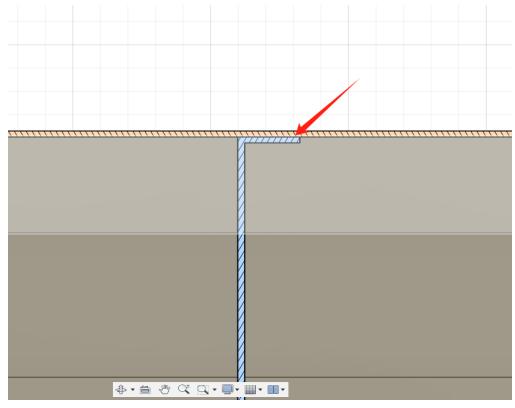
Cross Section View at from right side:



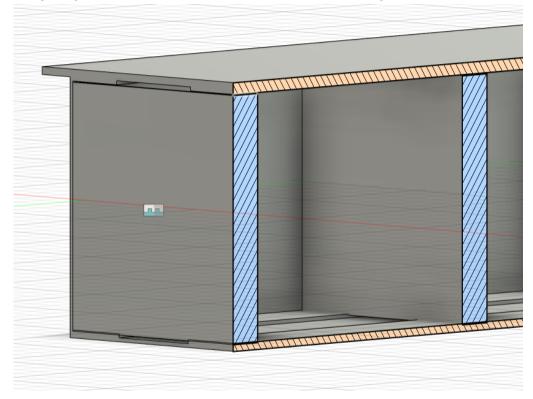
4. Splice/Connection Details'



A more detailed and zoomed-in view can be found in the next page.

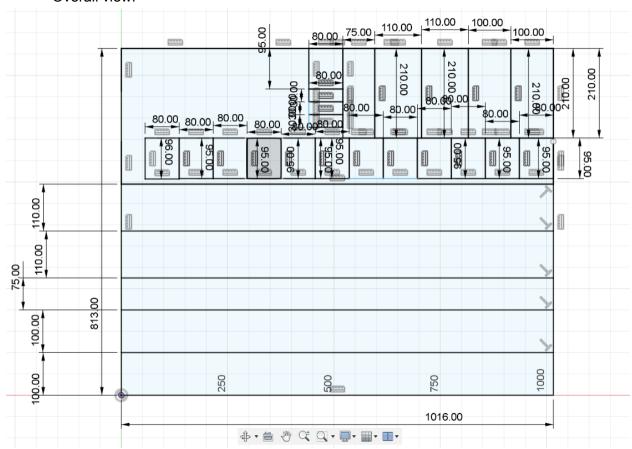


Glues are applied at the area in between the blue region(The diaphragm) and the orange region(Side plates) - sized can be referred on page 3



This indicates how the diaphragm are connected with the side pieces of bridge. The glue will be applied at the blue area, which directly contacts the side pieces of the bridge.

5. Construction drawings of how the matboard will be cut: Overall view:



The 100mm * 1016 plates consist the top deck of the bridge, the 100mm * 210mm are the plates that extend the 1016 plate to make sure that it reached the support The 110mm * 1016 plates are what we used to make the two sides for the part that goes between the top deck and the bottom deck of the bridge, those pieces are on the side and are used to hold the diaphrams in place.

The 75mm * 1016 plate is the bottom deck of the bridge, with the extension part at the very top, details can be found in the next pictures

The 80m * 95mm plates are what we used to make the diaphrams, the longer end will be bended for 10mm on both end to better attach to the side plates. Therefore make a overall size of 80m * 75mm for the diaphrams. There are 13 of them distributed over the length of the bridge.

The 80m * 30mm plates are used as an reinforcement at the connecting locations of the top deck and bottom deck of the bridge.

Detailed View at the top locations:

