

CIV102 Project Team 206 Engineering Drawings

Engineering Drawings of the Final Design

The image displays two orthographic views of a beam flange. The **Elevation View** (top) shows a cross-section with a total width of 1270 mm and a total height of 1250 mm. It features a central rectangular section with a width of 415 mm and a height of 80 mm. The flange is tapered at both ends, with a 95° angle and a horizontal offset of 205 mm. The top flange has a thickness of 12.7 mm, and the bottom flange has a thickness of 10 mm. The total height of 1250 mm is the sum of the central section height (80 mm) and the two flange thicknesses (12.7 mm + 10 mm). The **Top View of the Top Flange (Layer 1 and 2)** (bottom) shows the flange's footprint, which is 1270 mm wide and 100 mm deep. It includes two 12.7 mm wide sections at the ends, corresponding to the flange thicknesses.

1270 mm

12.7 mm each

10 mm

12.7 mm

80 mm

205 mm

95°

415 mm

840 mm

1250 mm

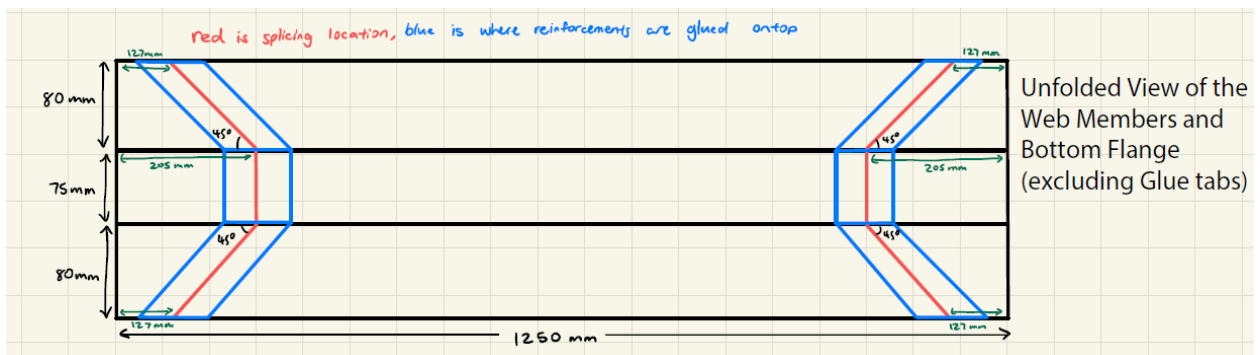
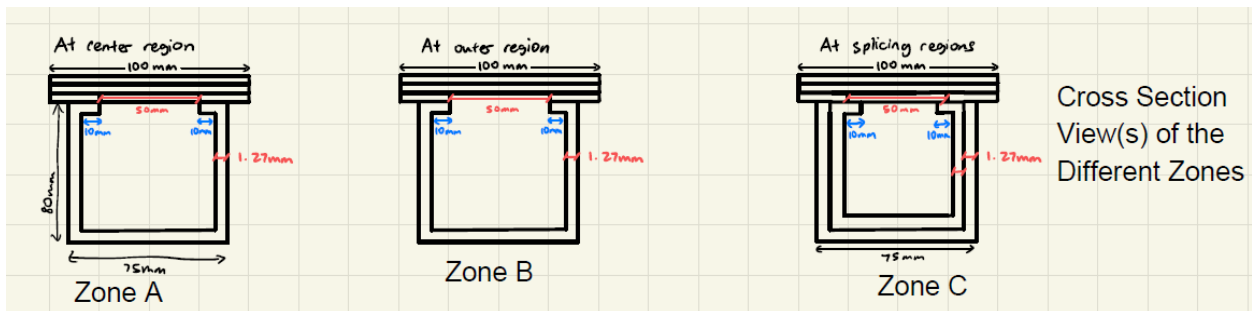
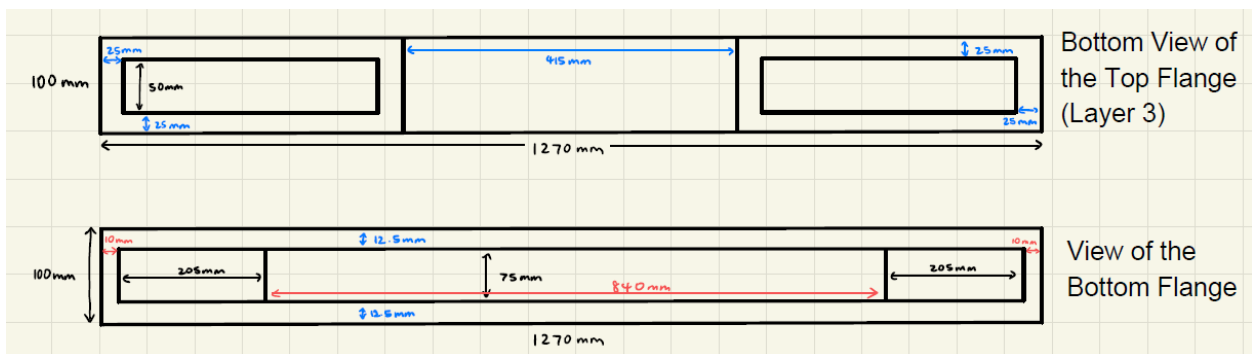
Elevation View

100 mm

12.7 mm

1270 mm

Top View of the Top Flange (Layer 1 and 2)



813 x 1016 x 1.27

Matboard cut layout

