The goal is to make a W8×10 I-beam extruded to 3".

1. Start on the FRONT plane and sketch two construction lines coincident with the origin.

2. Sketch one quarter of the cross-section.

   - Note: SolidWorks can show dimensions about a construction line to show full width of the beam.

   - Drawings not to scale

3. Mirror around each construction line using the mirror tool.

4. Extrude sketch to 3".

   - Completed model