Figure 1 is a picture of my hand calculations. Since this frame is an indeterminate structure, I used the Force Method in order to find the reactions at the supports.

Figures 2 and 3 are screenshots of the Frame that was generated by Autodesk Robot. Figure 2 is a screenshot of the frame, along with the values for the reactions at the support. Figure 3 is a screenshot of the shear and moment diagram for the frame. When referring to the shear and moment diagram please note that instead of the “L-shaped” frame, Autodesk robot simplified the frame into one long beam when analyzing the frame for the shear and moment diagram. Although the shape is displayed differently, the change in shape did not change the values for the shear and moment diagrams. As you can see from my hand calculations in Figure 1, these values matched perfectly.