

FIGURE 7-1. W14x311 columns with given loading for 36 in. deep beams and (a) doubler plate between stiffeners or (b) doubler plate extending beyond the stiffener a distance equal to 2.5 times the k distance of the column.

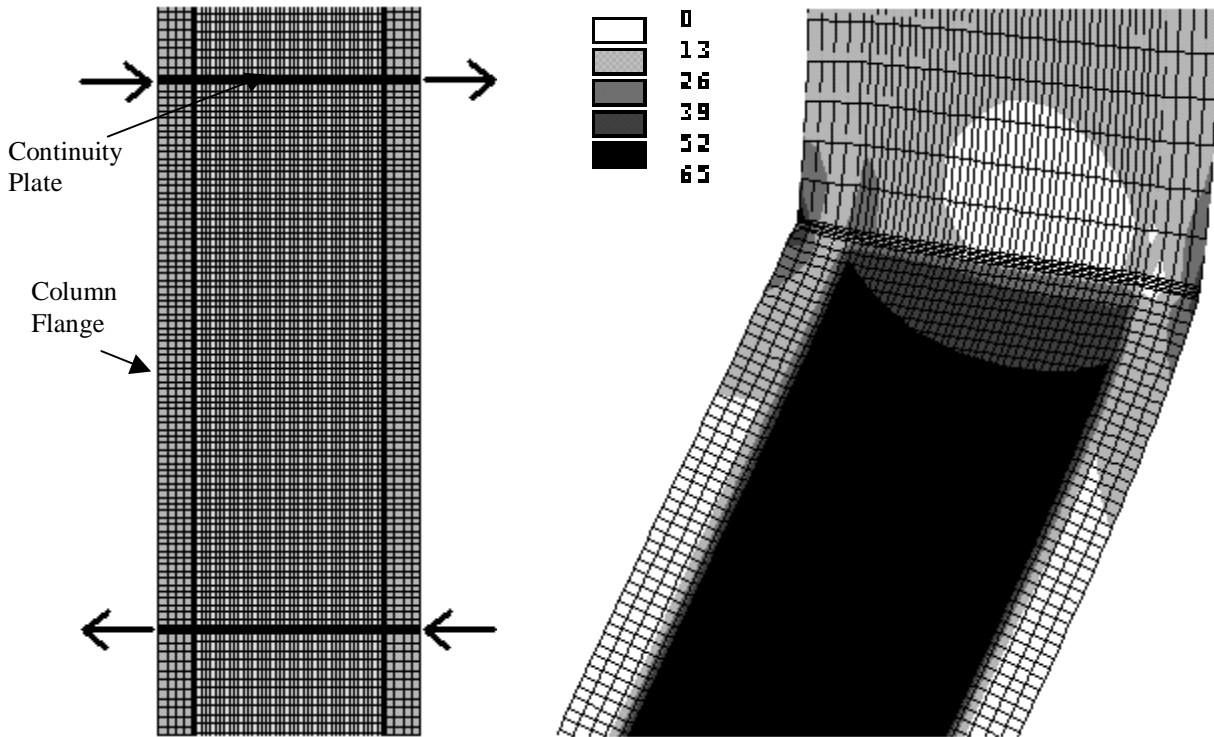


FIGURE 7-2. Typical finite element meshing scheme and loading.

FIGURE 7-3. Von Mises stress distribution for column under given loading without doubler plate.