

FIGURE 4-3. Von Mises stress (ksi) distribution across tension region of four-bolt extended unstiffened (a) beam-to-column flange connection and (b) isolated end-plate.

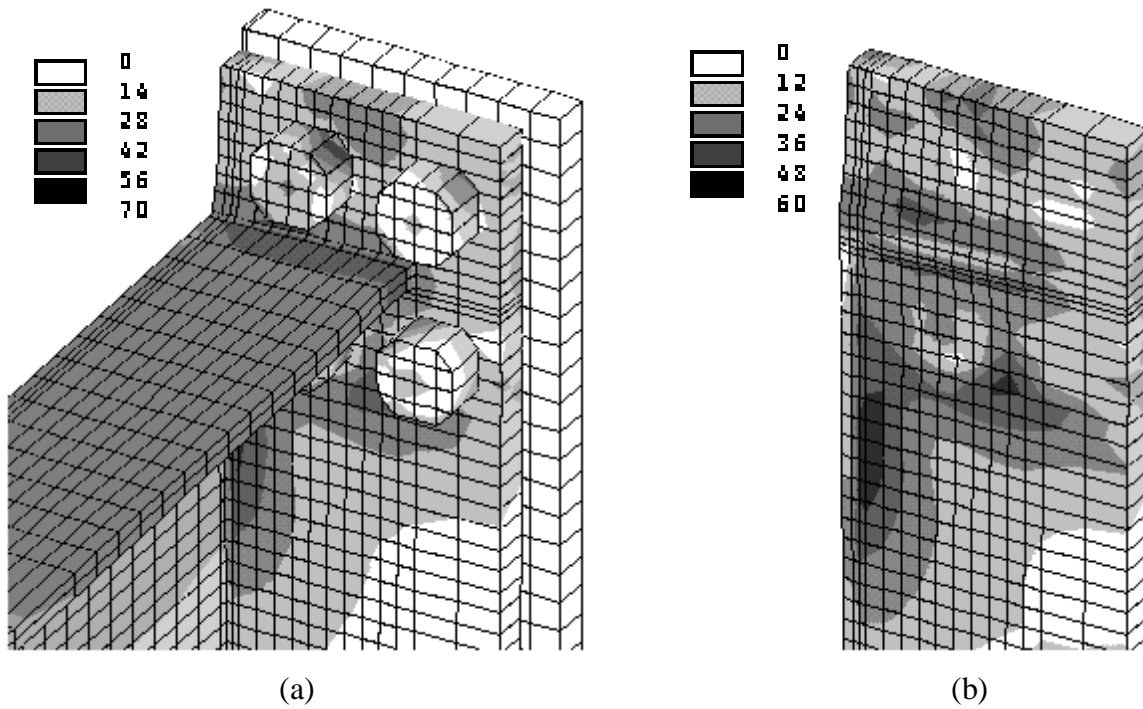


FIGURE 4-4. Von Mises stress (ksi) distribution across tension region of four-bolt wide (a) beam-to-column flange connection and (b) isolated end-plate.

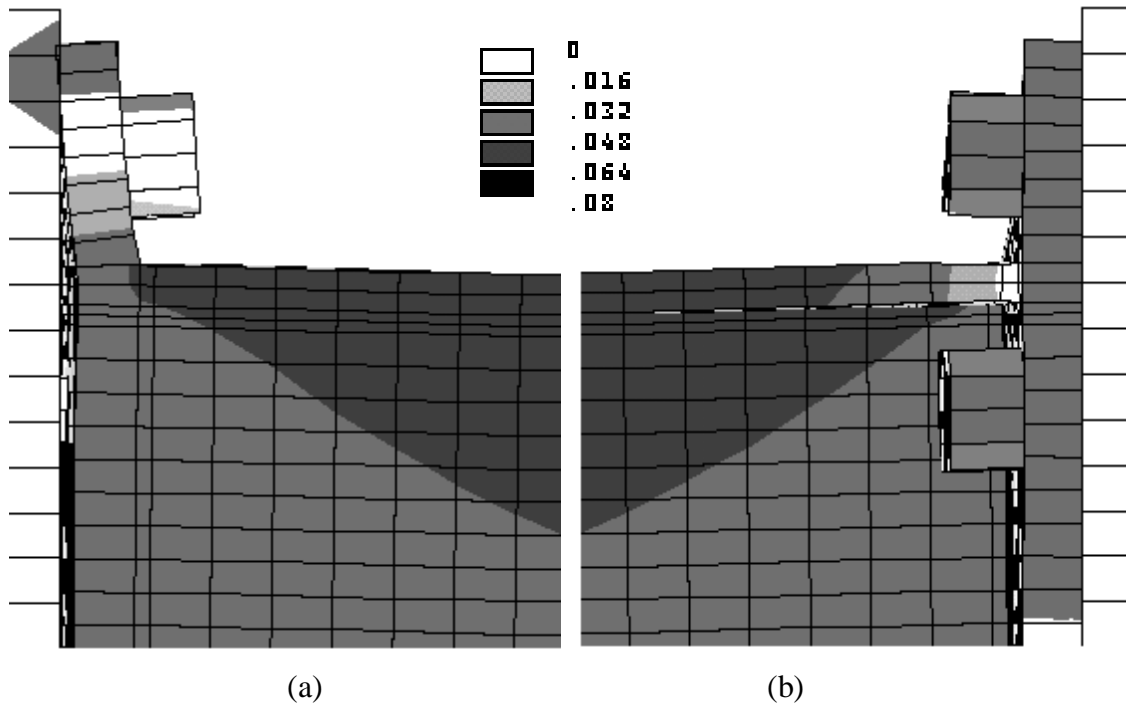


FIGURE 4-5. Plate separation (in.) at tension flange region of four-bolt wide beam-to-column flange connection shown as (a) back view and (b) front view.

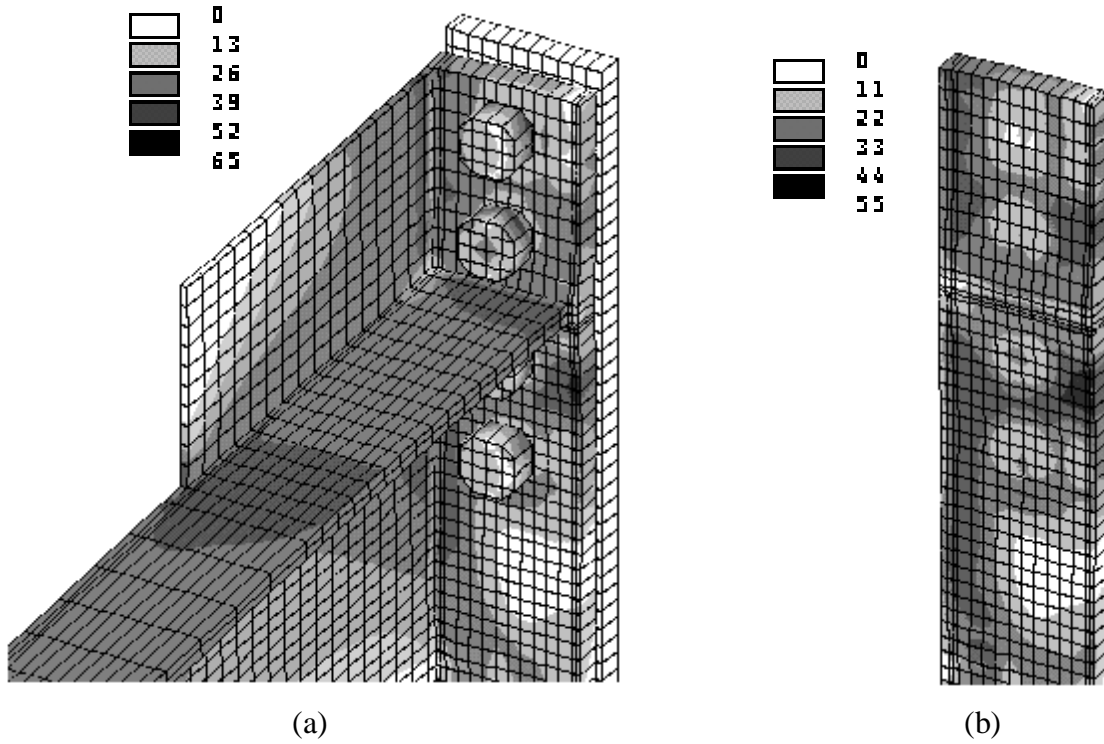


FIGURE 4-6. Von Mises stress (ksi) distribution across tension region of eight-bolt extended stiffened (a) beam-to-column flange connection and (b) isolated end-plate.