FIGURE 10.22 Effects of small fire on metal building system. The area at left is amplified in Fig. 10.23. Note also the method of rod attachment to frame. (*Photo: Chabot Engineering.*)

flange bracing that happens to be in the way of piping. (Also, recall our discussion in Sec. 10.7 about the dangers of hiring the sprinkler contractor without coordination with the metal building engineers.) Some owners would not think twice about relocating wall bracing from one bay to another—or even completely removing it—if they want to add a door or a window. In one older pre-engineered building investigated by the author, the whole bottom part of an interior bracing bent has been cut out by someone, presumably because it was in the way of some equipment or piping (Fig. 10.25). Needless to say, this severely compromised the lateral-load capacity of the building.

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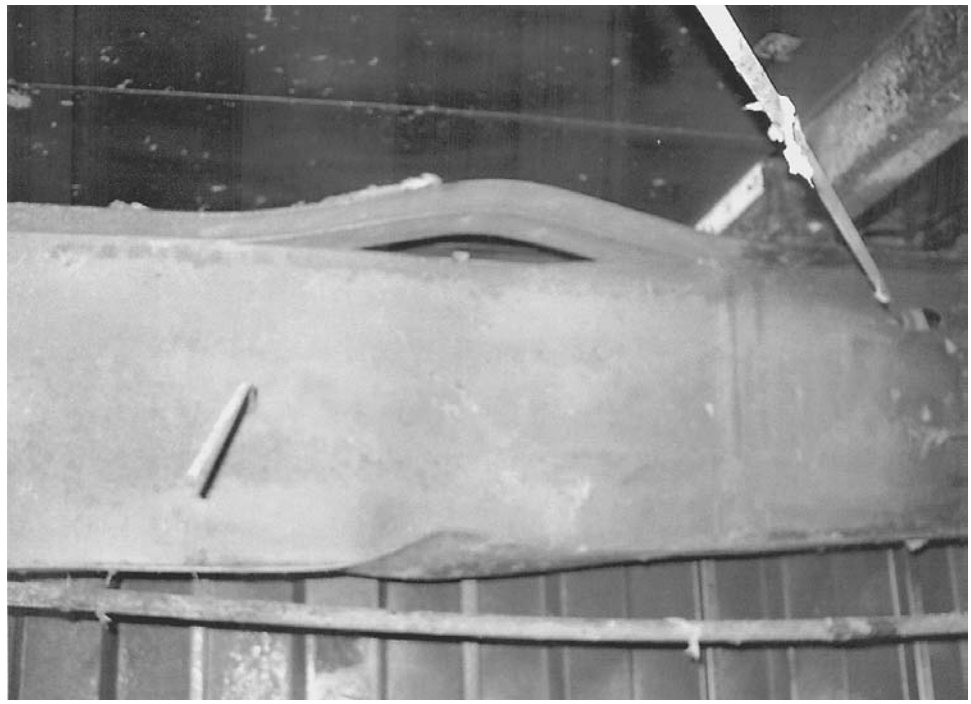

FIGURE 10.23 Fire-damaged primary frame. (*Photo: Chabot Engineering.*)

FIGURE 10.24 Damaged pipe boot flashing allows water to enter the building.