



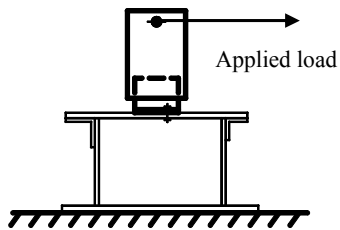
Lateral Capacity of Double-Angle Seat at Column Cap Plate

Richard A. DeVries
Michael Kempfert

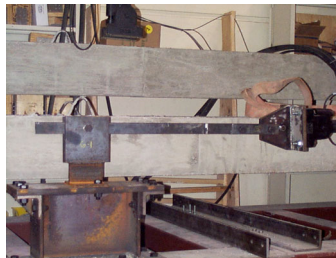
Test Program

Conduct 10 tests to determine the lateral load capacity of double angle seats.

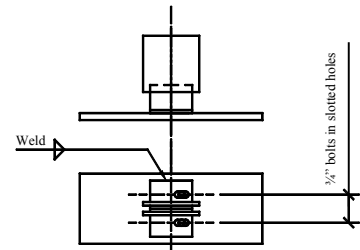
Variables included size of angles, eccentricity of load and bolt location.



Schematic of Test Setup



Test Setup



Typical specimen



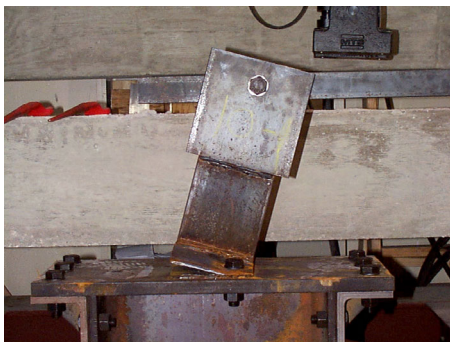
Cupping of horizontal legs



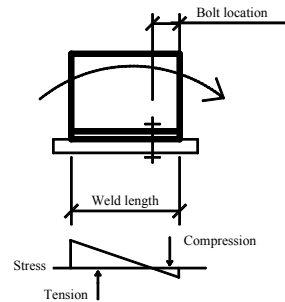
Cracking of angles



Weld failure



Ultimate deflection



Internal force couple