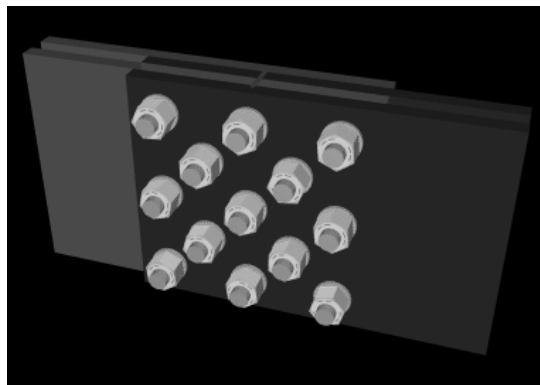


CE 388 – FUNDAMENTALS OF STEEL DESIGN

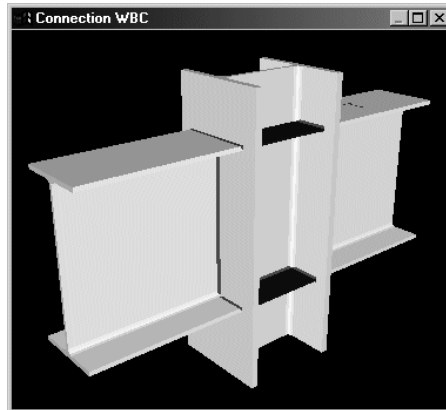
STEEL CONNECTIONS

Bolted plates



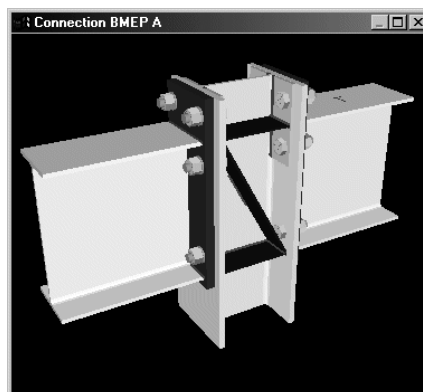
Bolted plates

Welded beam-column connection



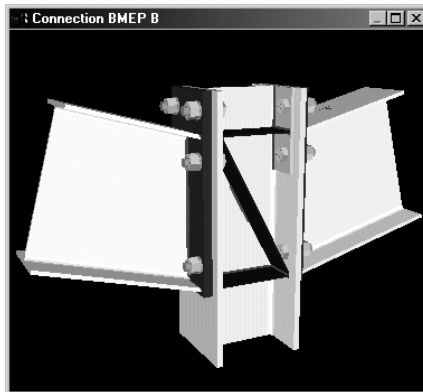
Welded beam-column connection

Bolted beam-column connection



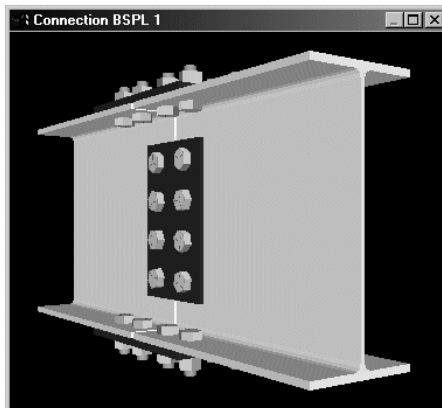
Bolted beam-column connection

Bolted beam-column connection



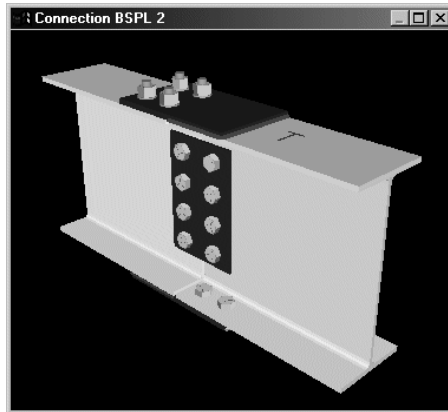
Bolted beam-column connection

Bolted splice



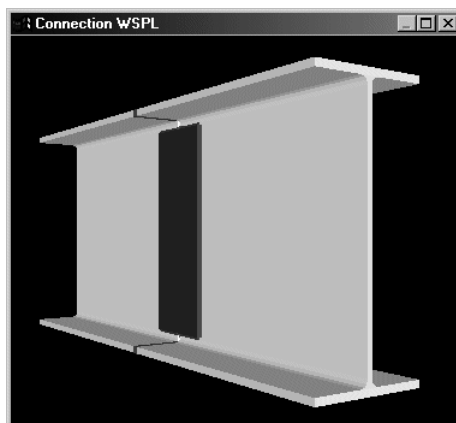
Flange splices bolted both sides

Bolted splice



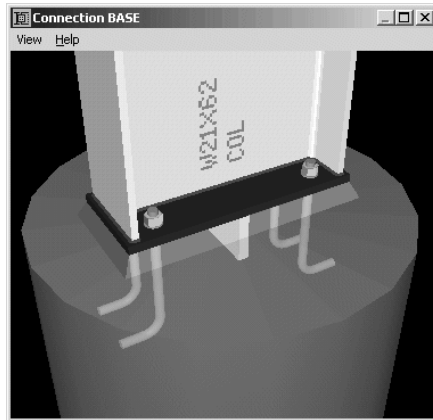
Combination bolted and welded flange splices

Welded splice



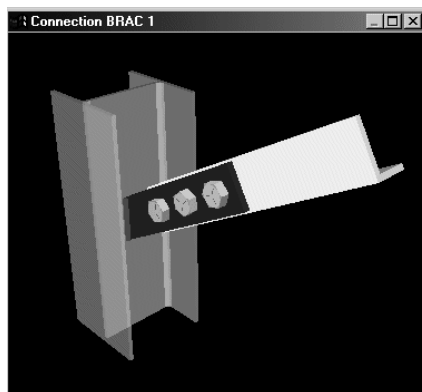
Welded splice

Base plate



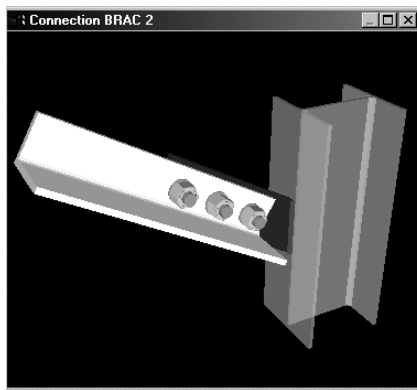
Base plate

Bracing Connection



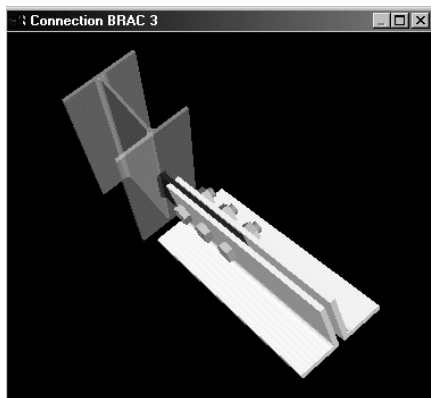
Single angle, cleat on long leg

Bracing Connection



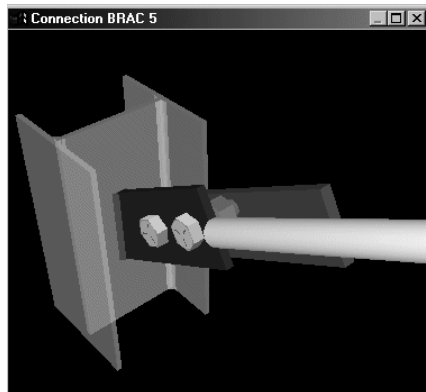
Single angle, cleat on short leg

Bracing Connection



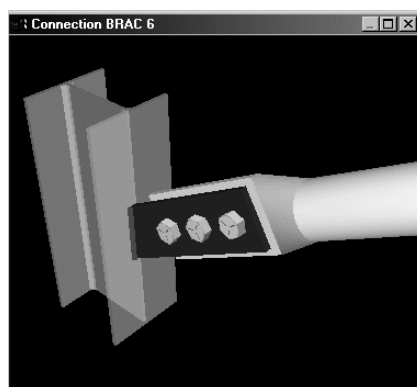
Back to back double angles cleat between legs

Bracing Connection



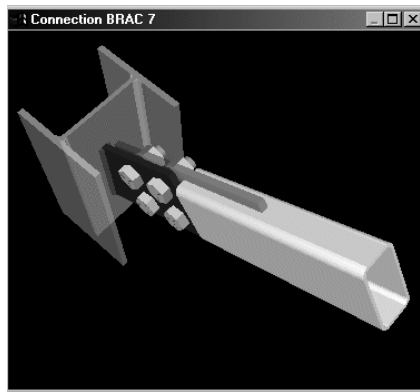
Rod with attached plate

Bracing Connection



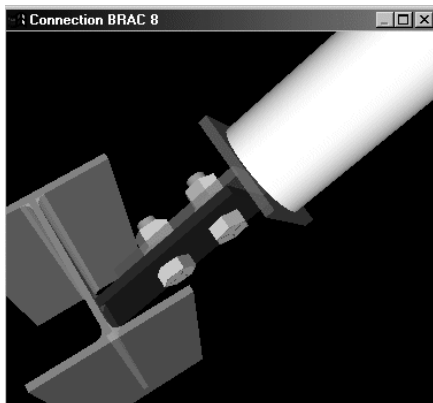
Flattened tube

Bracing Connection



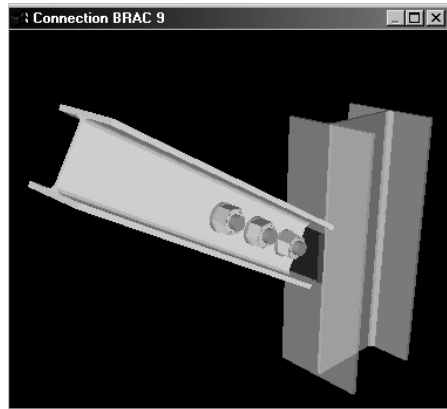
Slotted hollow section

Bracing Connection



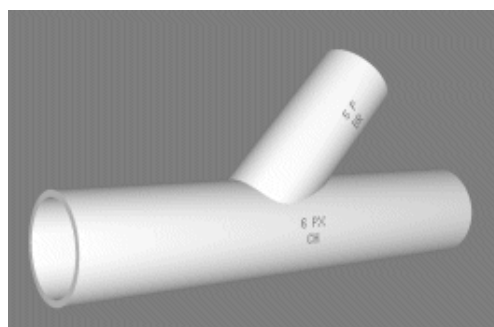
Hollow section with a tie plate

Bracing Connection



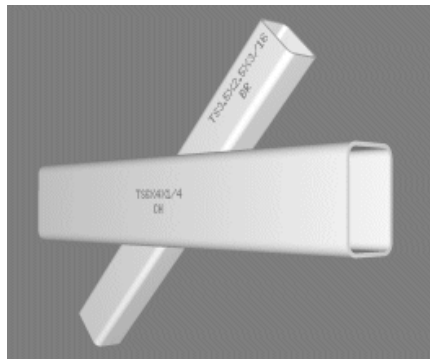
Rolled section

HSS Y/T Connection



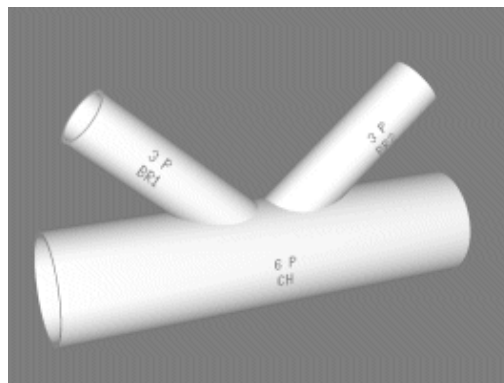
HSS Y/T Connection

HSS X Connection



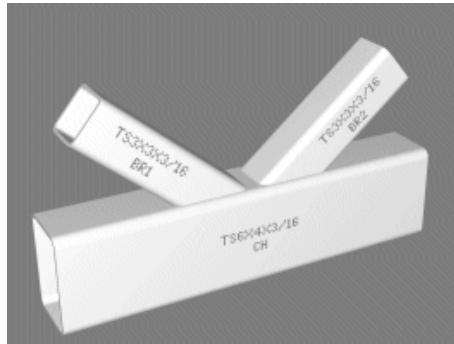
HSS X connection

HSS K/N Gap Connection



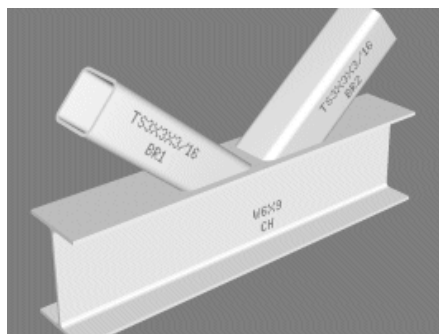
K/N gap connection with CHS chord and braces

HSS K/N Gap Connection



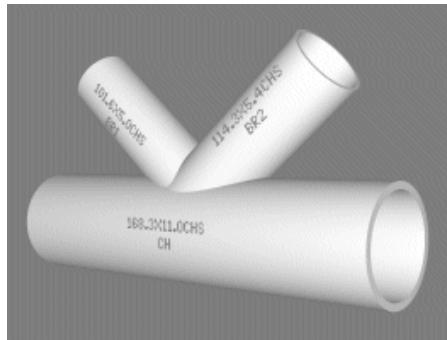
K/N gap connection with RHS chord and braces

HSS K/N Gap Connection



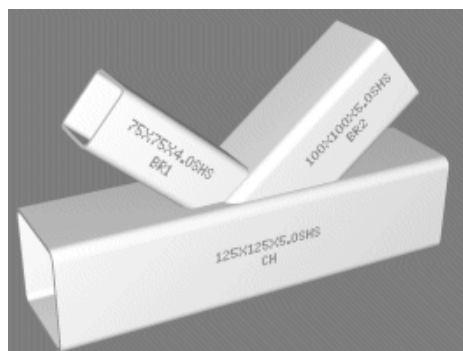
K/N gap connection with I-section chord and braces

HSS K/N Overlap Connection



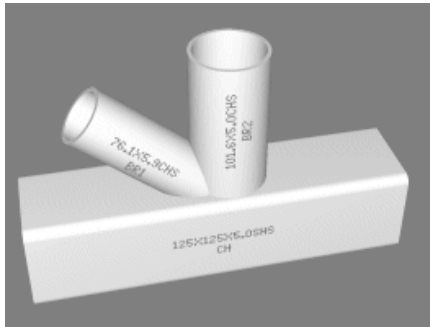
K/N overlap connection with CHS chord and braces

HSS K/N Overlap Connection



K/N overlap connection with RHS chord and braces

HSS K/N Overlap Connection



K/N overlap connection with I-section chord and braces