

Beam-to-column connection

Semi-rigid beam-to-column connection

Either a [hinge](#) or a [link](#) may be used to model a semi-rigid beam-to-column connection, procedures for which are described as follows:

- Hinge properties may be defined through Define > Section Properties > Hinge Properties, then they may be assigned to a selected [frame](#) object through Assign > Frame > Hinges. Additional details on frame hinges are available in the [CSI Analysis Reference Manual](#) (Chapter VIII Frame Hinge Properties).
- A link may be assigned to a joint panel zone by first selecting the common [joint](#) at a beam-column connection, then by assigning the joint panel zone through Assign > Joint > Panel Zone. Any link property may be specified when modeling the panel zone.
- A link may also be created manually by drawing the beam and column objects such that their ends are slightly offset, not sharing a common joint. A link property should then be defined to represent the connection stiffness, and the offset joints should be connected using Draw > Draw 2 Joint Link.