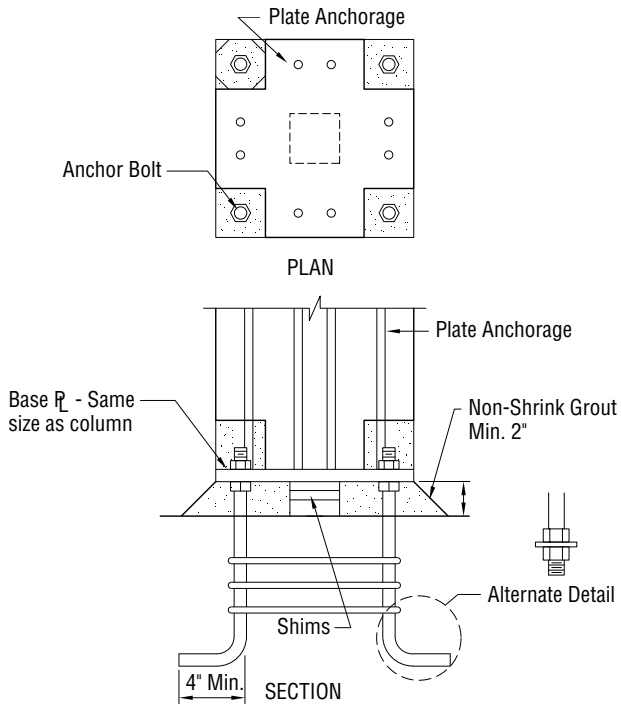


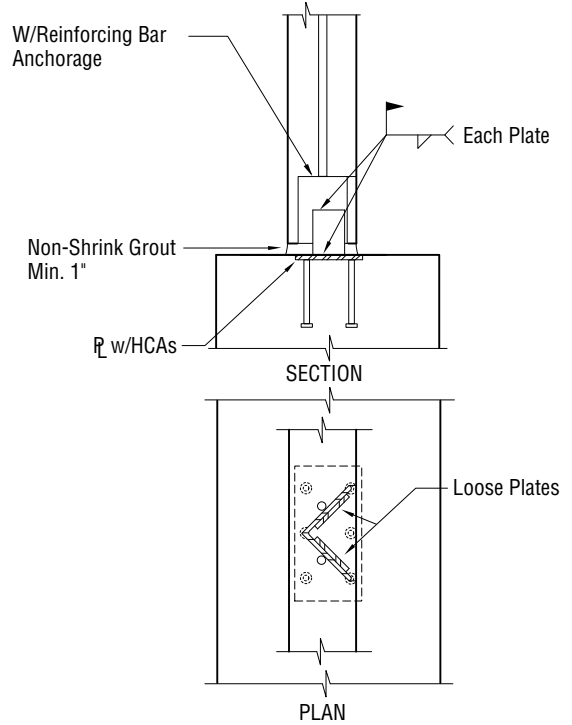
connection types

STRUCTURAL

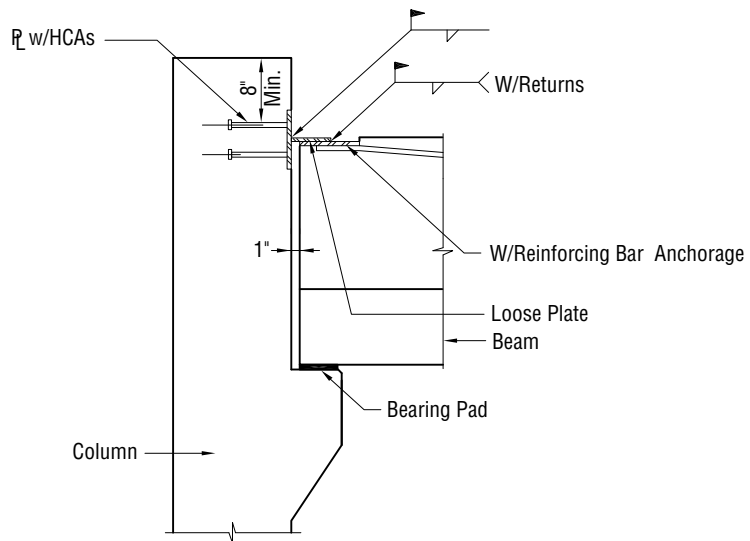
COLUMN BASE PLATE



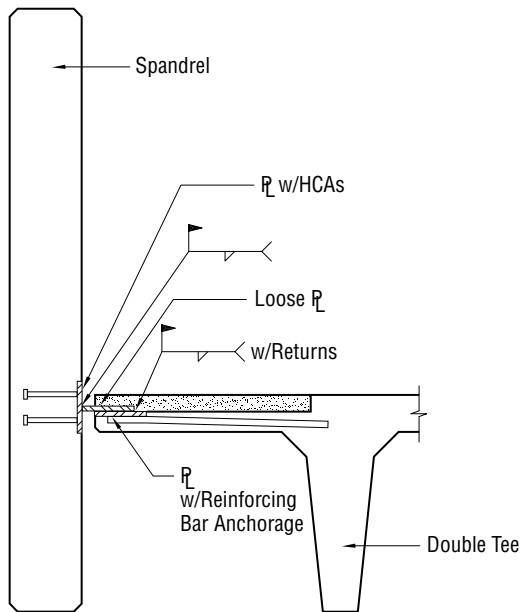
PANEL TO FOOTING



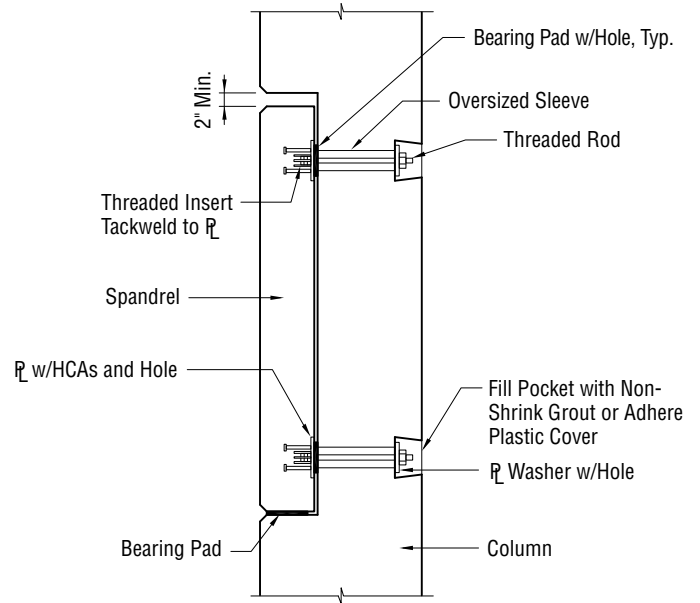
BEAM TO COLUMN WITH CORBEL



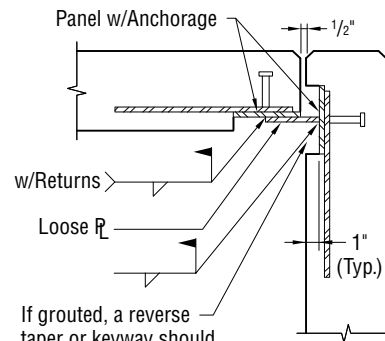
SPANDREL TO DOUBLE TEE



SPANDREL TO COLUMN



PANEL TO PANEL CORNER

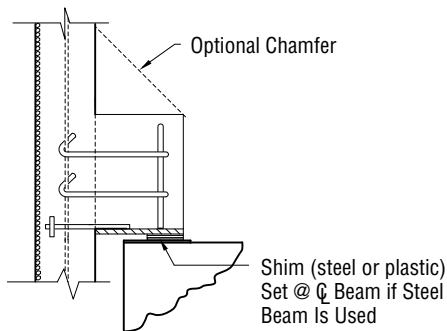
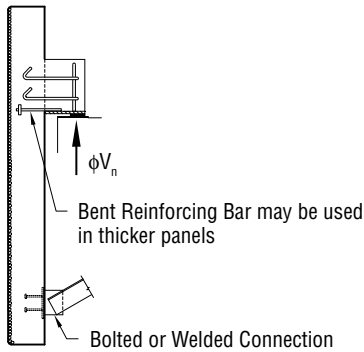


If grouted, a reverse taper or keyway should be placed around the blockout to lock the patch into the recess

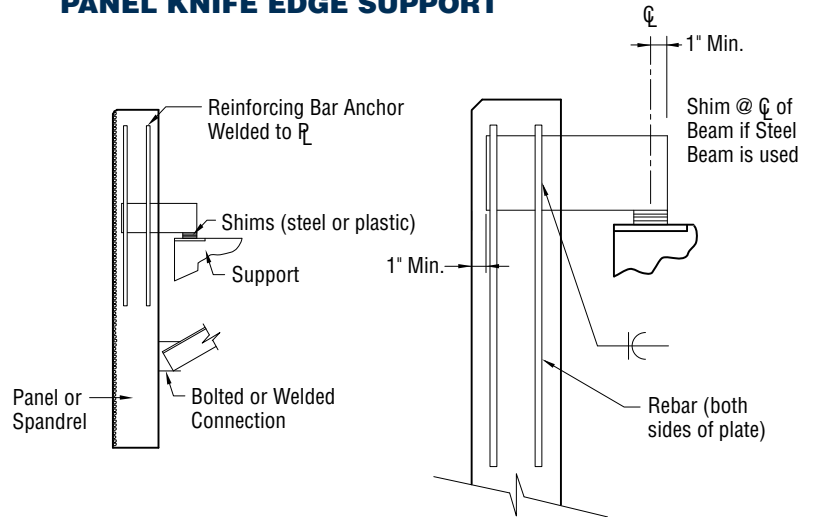
connection types

CLADDING

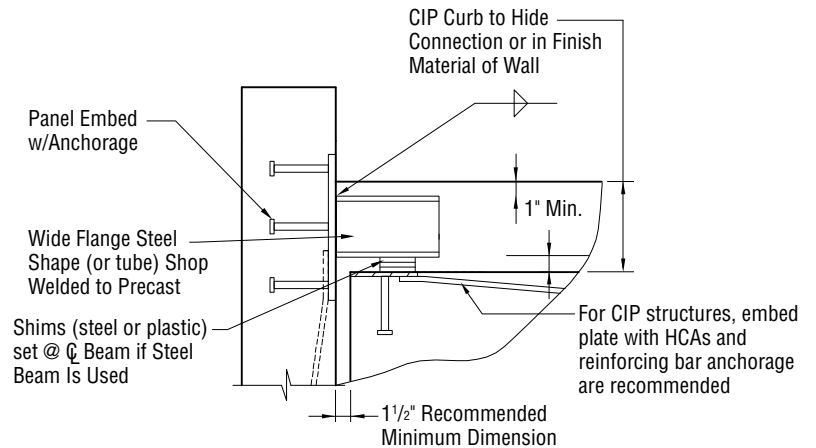
PANEL CONCRETE CORBEL SUPPORT



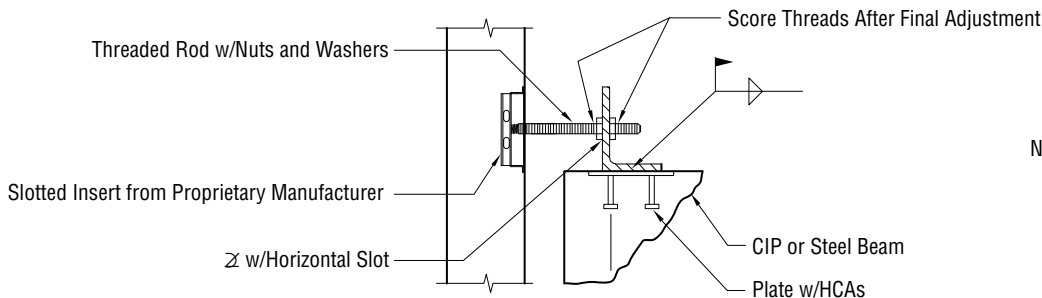
PANEL KNIFE EDGE SUPPORT



PANEL STEEL CORBEL SUPPORT

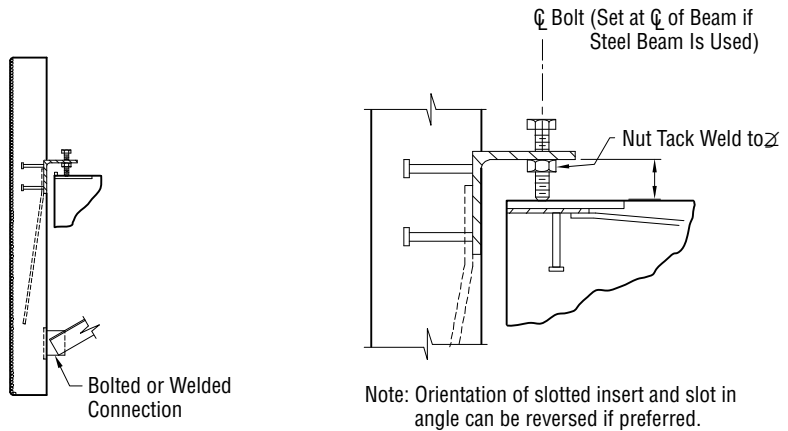


PANEL TIE BACK



Note: Orientation of slotted insert and slot in angle can be reversed if preferred.

PANEL ADJUSTABLE SUPPORT



Tips For Successful Connection Design:

Do use bearing pads for support of beams, spandrels, double tees, and other structural components.

Do consider deflection behavior of a member that is supporting a precast component.

Do design for support using only 2 points.

Do provide at least four tie back connections for a cladding panel.

Do, if designing a cladding panel for seismic loads, use an in-plane seismic connection close to the panel's center of gravity.

Do account for eccentric loading and the effect it may have on the rotation of supporting members, particularly if they are steel beams.

Do consider the horizontal forces resulting from an eccentrically loaded component and the effect this has on the support.

Do provide points of support only at one level for multilevel cladding panels.

Do design connections so that the component can "move" as a result of temperature variations and volume changes.

Do Not design connections with the **bearing locations** welded at both (top and bottom) ends of a prestressed concrete component. Making welded connections at the **tops** of prestressed concrete components at both **ends** is typical.

Do consider the allowable tolerances of the precast concrete component and the supporting structure.

Do consider intermediate connections of long spandrel panels to avoid bowing due to temperature variations.