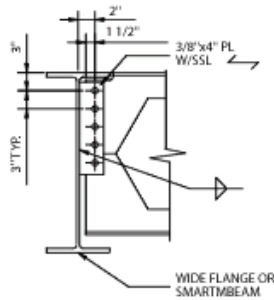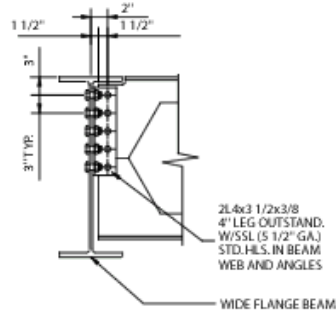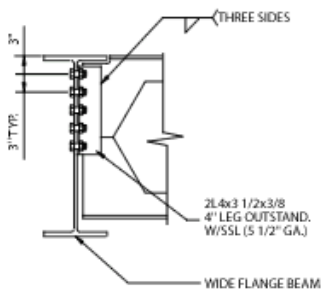# TYPICAL CAD DETAILS

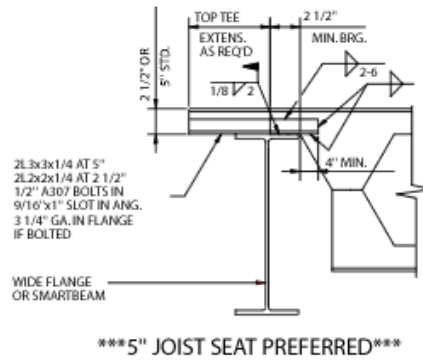You may download the following drawings in AutoCad .dwg format by visiting www.cmcsteelproducts.com

BEAM-TO-BEAM SHEAR TAB CONX.
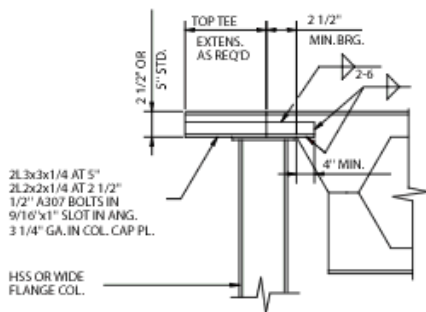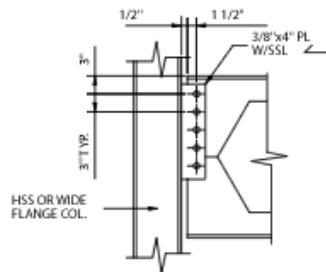

BEAM-TO-BEAM BOLTED-BOLTED CLIP ANG. CONX.

BEAM-TO-BEAM BOLTED-WELDED CLIP ANG. CONX.

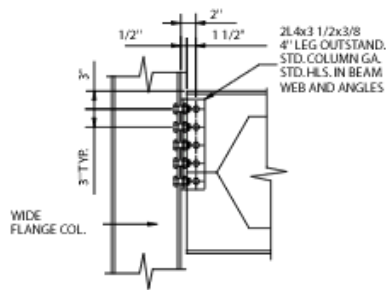***5" JOIST SEAT PREFERRED***

BEAM-TO-BEAM SEATED CONX.

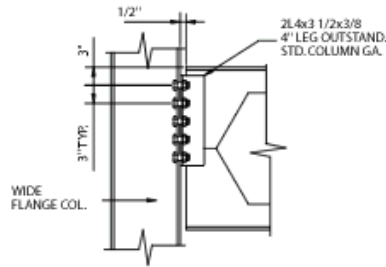***5" JOIST SEAT PREFERRED***

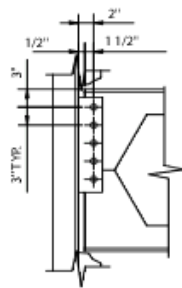**BEAM-TO-COLUMN SEATED CONX.**
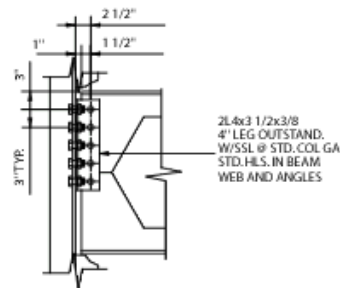

BEAM-TO-COLUMN SHEAR TAB CONX.

BEAM-TO-COLUMN BOLTED-BOLTED CLIP ANG. CONX.

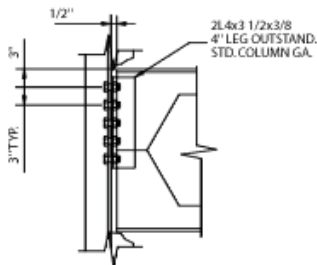
BEAM-TO-COLUMN BOLTED-WELDED CLIP ANG. CONX.
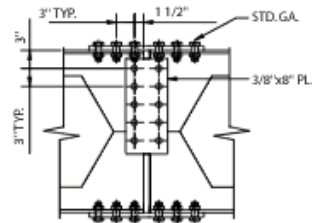

BEAM-TO-COLUMN WEB SHEAR TAB CONX.
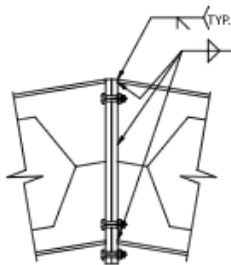

AT W10's AND LARGER

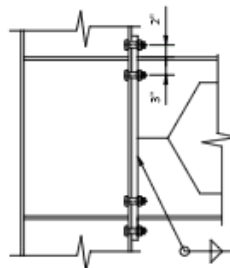**BEAM-TO-COLUMN WEB BOLTED-BOLTED CLIP ANGLE CONX.**

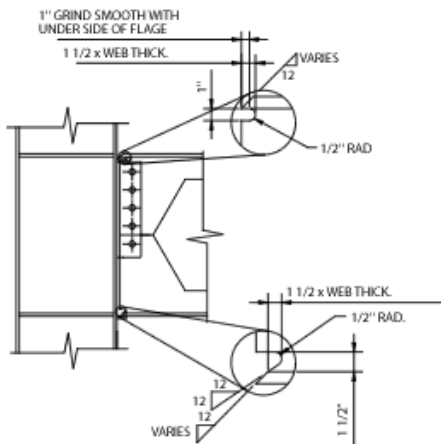**BEAM-TO-COLUMN WEB BOLTED-WELDED CLIP ANGLE CONX.**
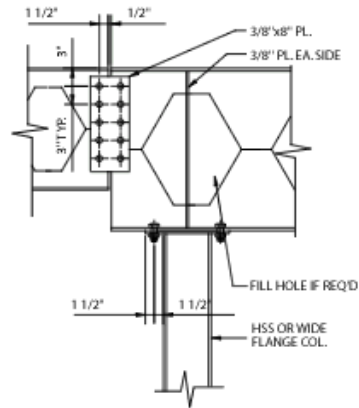

BEAM-TO-BEAM FLANGE PLATE MOMENT CONX.
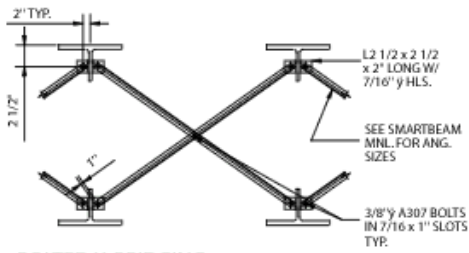

BEAM-TO-BEAM WELDED END PLATE MOMENT CONX.

BEAM-TO-COLUMN BOLTED-END PLATE MOMENT CONX.

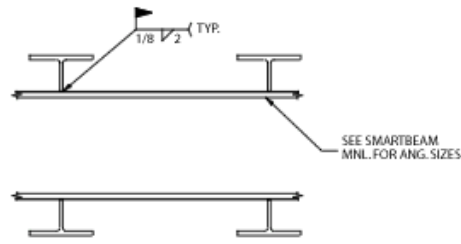1" GRIND SMOOTH WITH UNDER SIDE OF FLAGE
1 1/2 x WEB THICK.
VARIES
12
1"
1/2" RAD

1 1/2 x WEB THICK.
1/2" RAD.
12
12
12
VARIES
1 1/2"

BEAM-TO-COLUMN FIELD WELDED MOMENT CONX.

1 1/2"
1/2"
3"
3/8"x8" PL.
3/8" PL. EA. SIDE
3" TYP.
1 1/2"
1 1/2"
FILL HOLE IF REQ'D
HSS OR WIDE FLANGE COL.

BEAM-TO-BEAM SHEAR SPLICE CONX.

2" TYP.
2 1/2"
1"
L2 1/2 x 2 1/2 x 2" LONG W/ 7/16" ∅ HLS.
SEE SMARTBEAM MNL. FOR ANG. SIZES
3/8" ∅ A307 BOLTS IN 7/16 x 1" SLOTS TYP.

BOLTED X-BRIDGING REQ'D ONLY W/JST. SEATS

1/8 ⟍ 2
TYP.
SEE SMARTBEAM MNL. FOR ANG. SIZES

FIEDLD WELDED HORIZONTAL BRIDGING (FOR UPLIFT/CONSTRUCTION LOADS)