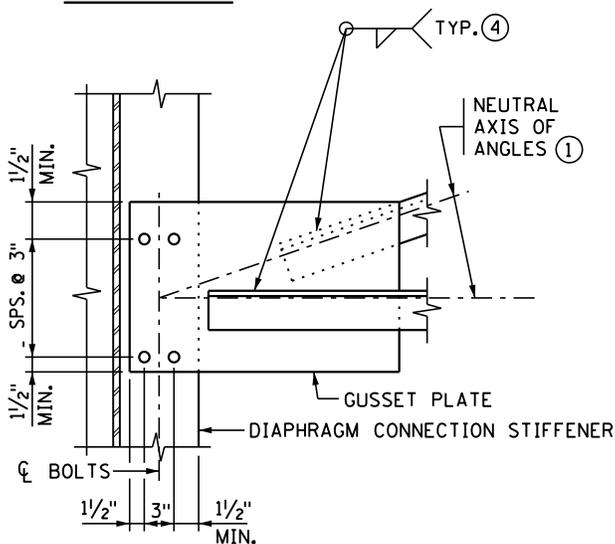
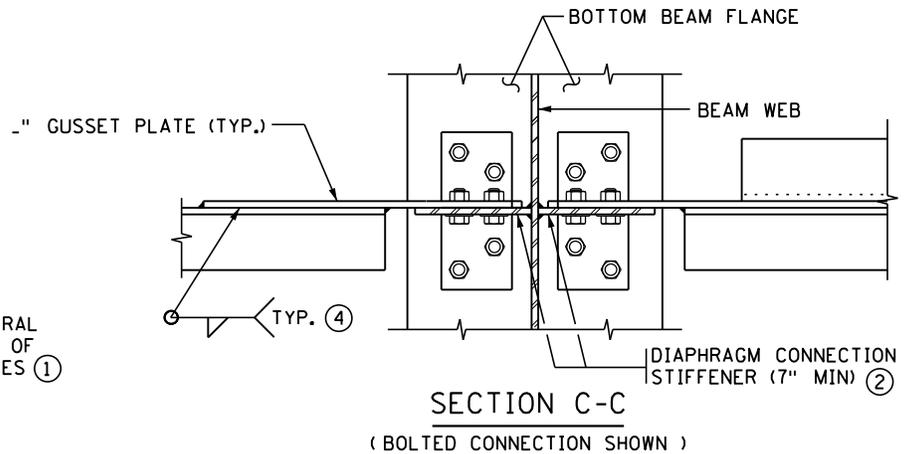


DETAIL "A"



DETAIL "B"



DESIGNER NOTE
(REMOVE PRIOR TO PLOTTING FINAL PLAN):
DESIGNER TO SPECIFY GUSSET PLATE THICKNESS, 1/2" MINIMUM. FILLER PLATE THICKNESS TO MATCH GUSSET.

NOTES:

- PROVIDE STEEL IN ACCORDANCE WITH SPEC. 3309.
- ① PROJECT NEUTRAL AXIS OF MEMBER THROUGH CENTER OF BOLT PATTERN.
- ② SEE BRIDGE FRAMING PLAN AND GIRDER ELEVATIONS FOR ADDITIONAL INFORMATION.
- ③ MILL TO BEAR AT BEARING STIFFENERS.
- ④ MINIMUM TOTAL WELD LENGTH EQUAL TO 4 TIMES NOMINAL ANGLE SIZE.
- ⑤ FOR DIAPHRAGMS LOCATED BENEATH DECK JOINT, ORIENT FLANGES OF CROSS FRAME MEMBERS AWAY FROM THE DECK JOINT.

APPROVED: MARCH 26, 2009

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

REVISED
11-03-2015
06-12-2019

DETAIL NO.

CROSS FRAME INTERMEDIATE DIAPHRAGM
(FOR CURVED STEEL BEAMS)

B408

Daniel J. Morgan
STATE BRIDGE ENGINEER