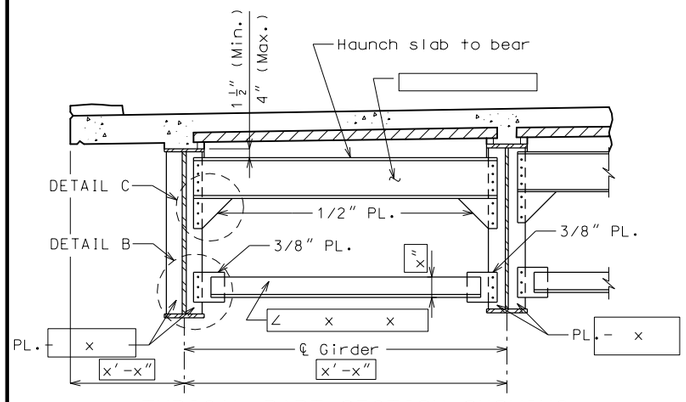
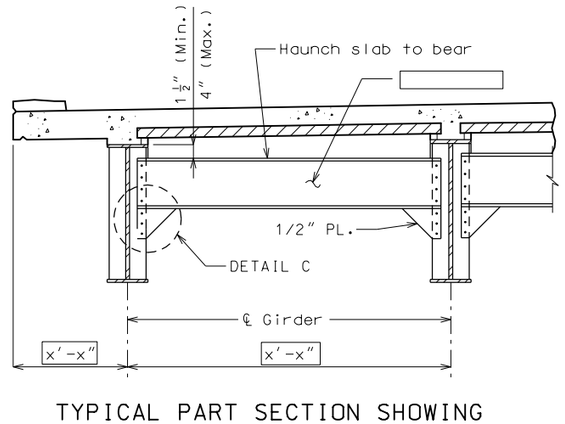


TYPICAL PART SECTION SHOWING END DIAPHRAGMS



TYPICAL PART SECTION SHOWING END DIAPHRAGMS

Standard Drawing Guidance (do not show on plans):

Check with Designer to verify use of Flange Connection Angles, if they are not needed turn the Bridge-Miscellaneous level off.

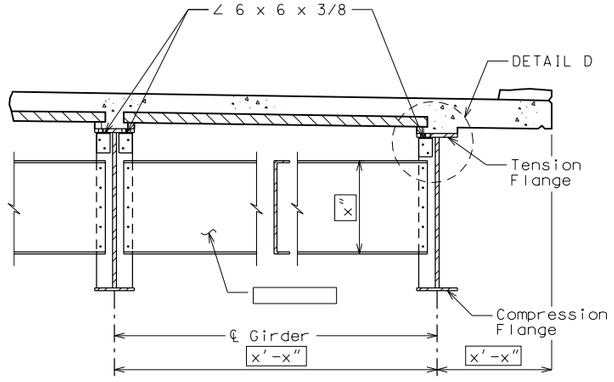
Angle size should be shown without inch (") marks on the plans.

Do not show fillet weld size unless by design and size of weld exceeds Sec 1080.

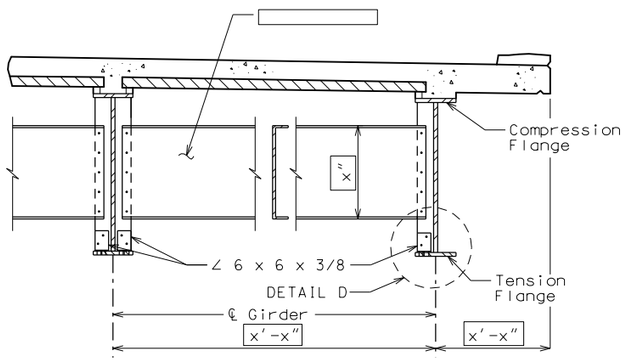
Show specialty welds information as given unless by design.

Delete panels for CIP slab.

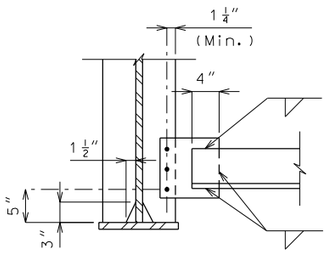
① Use Type 3 for weathering steel bolted connections and Type 1 for painted or galvanized steel bolted connections.



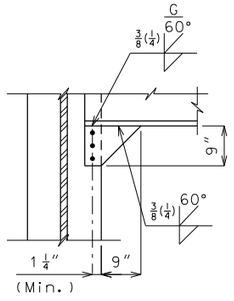
TYPICAL PART SECTION SHOWING CROSS FRAMES AND INTERMEDIATE DIAPHRAGMS TOP FLANGE IN TENSION



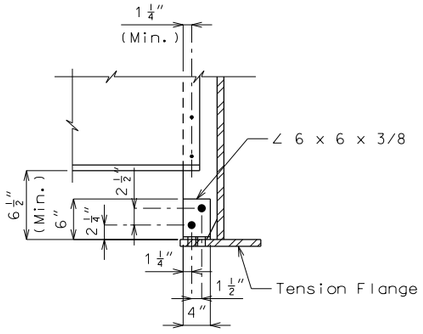
TYPICAL PART SECTION SHOWING INTERMEDIATE DIAPHRAGMS BOTTOM FLANGE IN TENSION



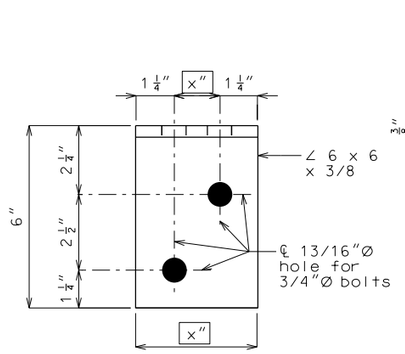
DETAIL B



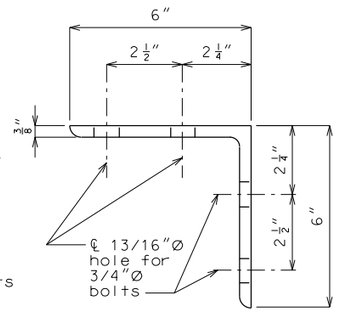
DETAIL C



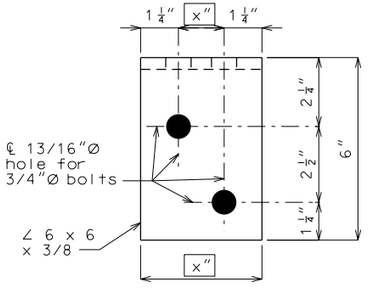
DETAIL D



ELEVATION



SIDE VIEW



PLAN

Note: Bolts shall be 3/4"Ø ASTM F3125 Grade A325 Type 1 Type 3 that connect ① the 6 x 6 x 3/8 angle to the top flange and placed so the nut is on the inside of flange (toward the web).

DETAIL OF FLANGE CONNECTION ANGLE

STEEL DIAPHRAGMS

Detailed
Checked

Note: This drawing is not to scale. Follow dimensions.

Sheet No. of

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DATE PREPARED 7/7/2020

ROUTE * STATE MO

DISTRICT BR SHEET NO. *

COUNTY *

JOB NO. *

CONTRACT ID.

PROJECT NO.

BRIDGE NO. DIA12

DESCRIPTION

DATE

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