

Standard Drawing Guidance (do not show on plans):

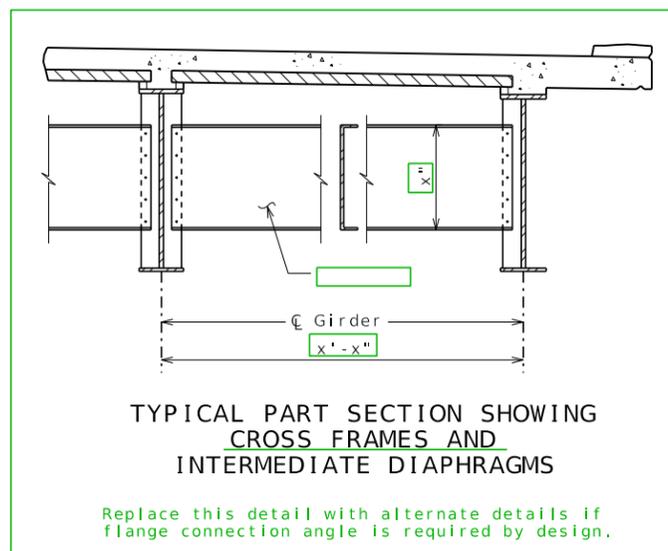
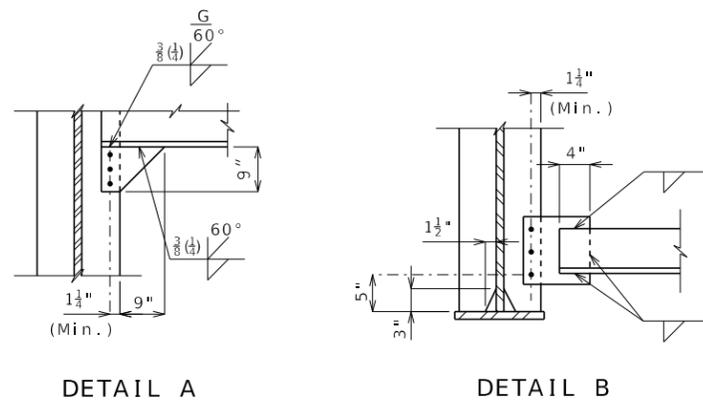
Angle size should be shown without inch (") marks on the plans.

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 Modify if necessary in accordance with EPG 751.14.5.4.



DATE PREPARED		3/13/2026	
ROUTE	STATE	MO	
DISTRICT	SHEET NO.	12	
COUNTY			
JOB NO.			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

**STEEL DIAPHRAGMS**

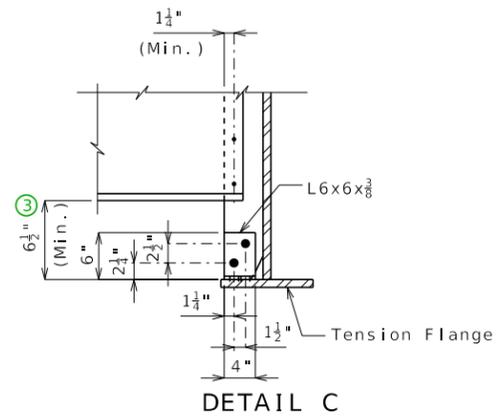
Detailed  
Checked

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

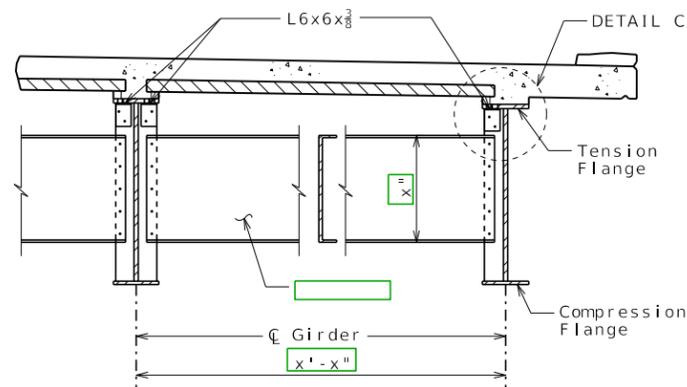
Sheet No. of

Use these alternate details if Flange Connection Angle is required by design.

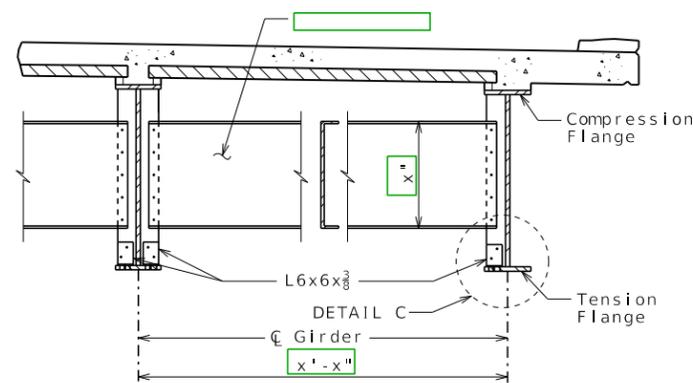
- ② Use Type 3 for weathering steel bolted connections and Type 1 for painted or galvanized steel connections.
- ③ Verify clearance for cross-slope.



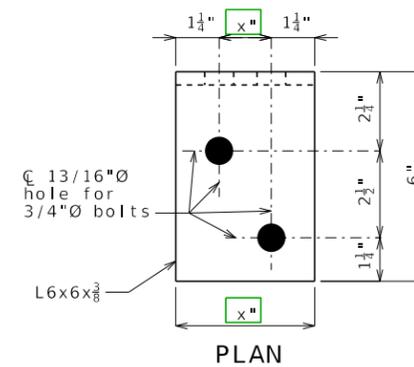
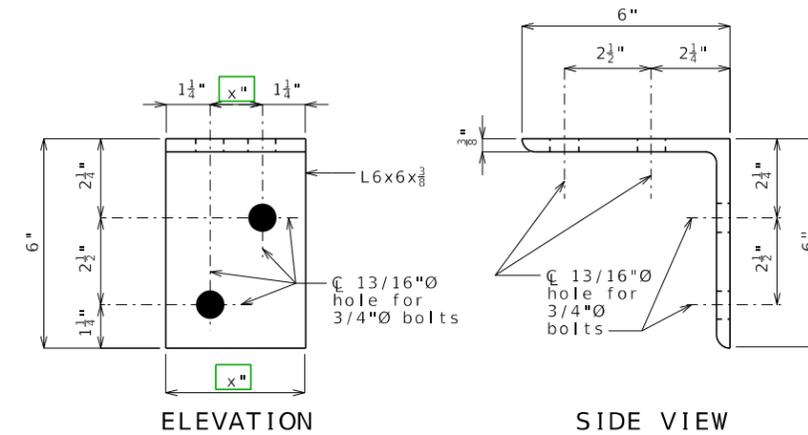
(Bottom flange shown, top flange similar.)



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



TYPICAL PART SECTION SHOWING INTERMEDIATE DIAPHRAGMS BOTTOM FLANGE IN TENSION



DETAIL OF FLANGE CONNECTION ANGLE

Note: Bolts shall be 3/4-inch diameter ASTM F3125 Grade A325 Type 1 Type 3 that connect 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).