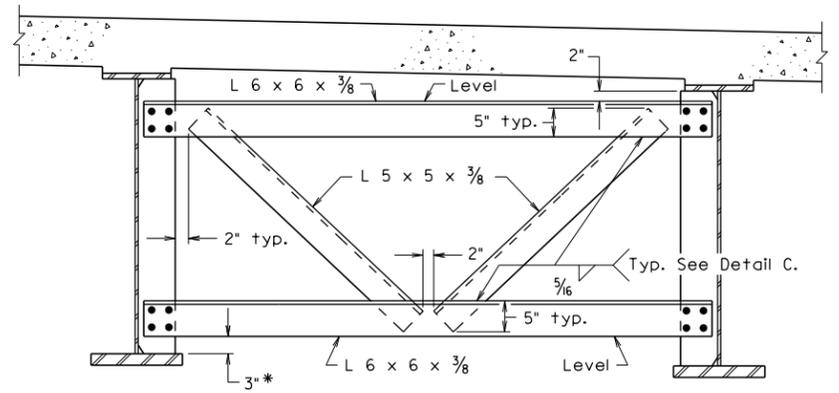
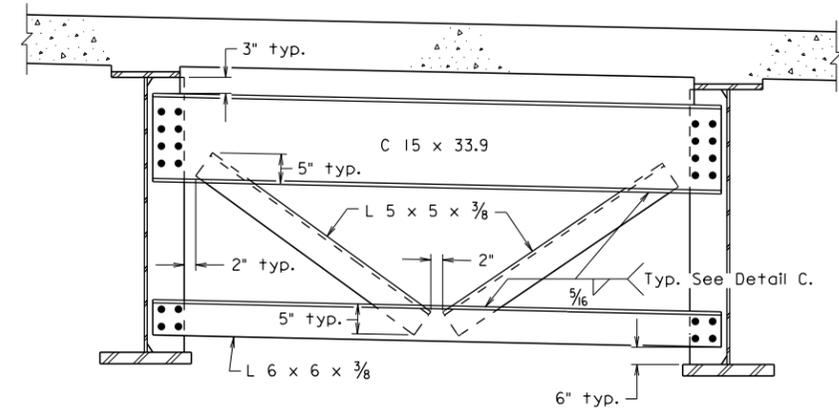


STATE	FEDERAL AID	STATE	SHEET NO.
ROUTE	PROJECT	ROUTE	PROJECT
VA.			

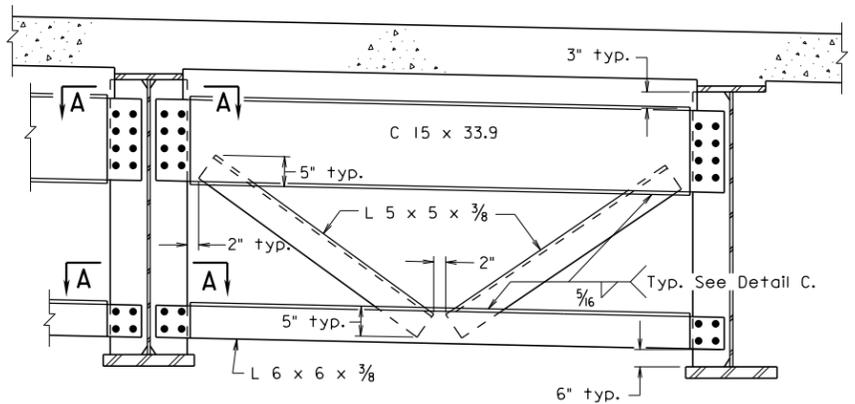
Note:
 All welding of structural steel and quality control inspection of welds, including field welding and quality control inspection of field welding, shall be the responsibility of the Contractor in accordance with Section 407.04(i) of the Specifications.



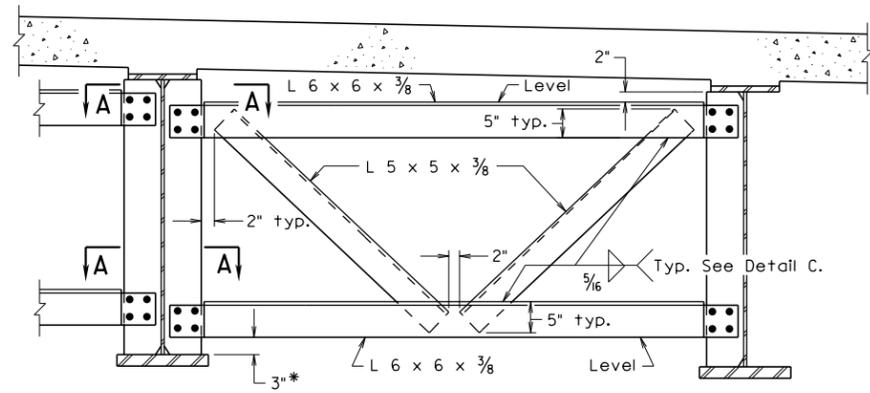
CROSS FRAME - CF1
 *Dimension shall be 6" at piers



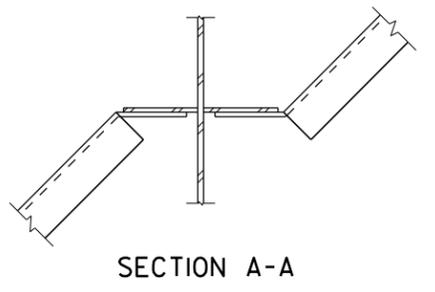
CROSS FRAME - CF2



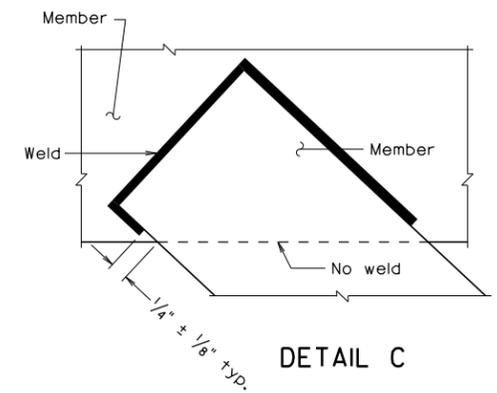
CROSS FRAME - CF3



CROSS FRAME - CF4
 *Dimension shall be 6" at piers



SECTION A-A



DETAIL C

Not to scale © 2013, Commonwealth of Virginia

BCF-4 03-27-2013 bcf4.dgn

Sealed and Signed by:
 Julius F.J. Volgyi Jr.
 Lic. No. 010487
 On the date of
 March 27, 2013

A copy of the original sealed and signed standard drawing is on file in the Central Office.

VDOT S&B DIVISION
 RICHMOND, VA
 STRUCTURAL ENGINEER

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
CROSS FRAME DETAILS					
No.	Description	Date	Designed: S&B...DIV	Date	Plan No.
			Drawn: ...S&B...DIV		Sheet No.
			Checked: S&B...DIV		
Revisions					BCF-4

CROSS FRAME DETAILS

NOTES TO DESIGNER:

For use of standard cross frames (diaphragms), see Manual of the Structure and Bridge Division, Volume V, Part 2, Chapter 11. Use V-cross frames up to a maximum angle of 60°.

Indicate on framing plan which type(s) are used, e.g., Typical Cross Frame CF2 at (near) Abutments, or Typical Intermediate Cross Frame CF1.

Cross Frames detailed on standard are as follows:

CF1: V-Type, Intermediate Diaphragm, Normal (0° Skew). Used also at piers for continuous girders.

CF2: V-Type, End Diaphragm, Normal (0° Skew)

CF3: V-Type, End Diaphragm, Skewed

CF4: V-Type, Intermediate Diaphragm, Skewed. Used at piers for continuous girders.

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:

None