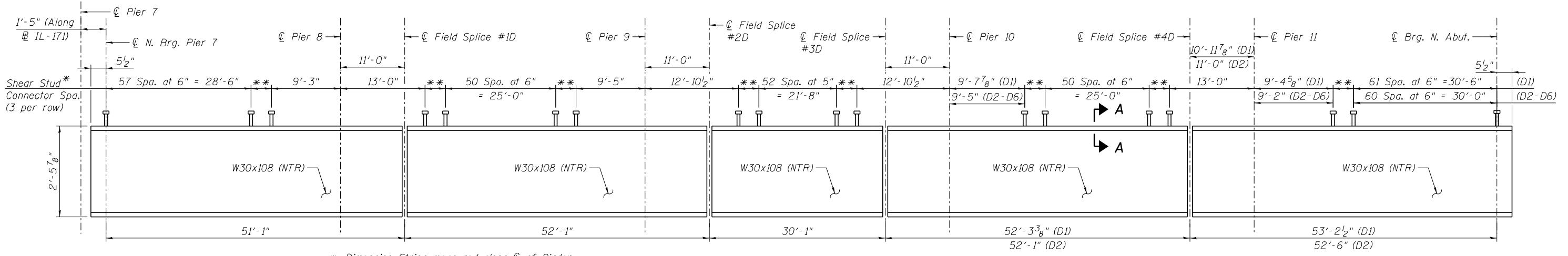


\*\*\* C15x30 is permitted as an alternate channel. Calculated weight of structural steel is based on the C15x25. If C15x30 is used, it shall be provided at no extra cost to the Department.

**FRAMING PLAN (Spans 8-12)**



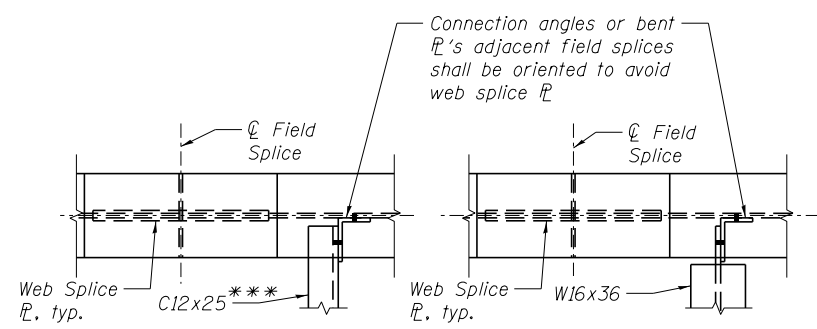
\* Dimension String measured along  $\bar{C}$  of Girder  
 \*\* 7 Spa. at 4" = 2'-4"

**GIRDER D1 & D2 ELEVATION**

(Shear Stud Connector spacing also applicable for existing Beams D3-D6)

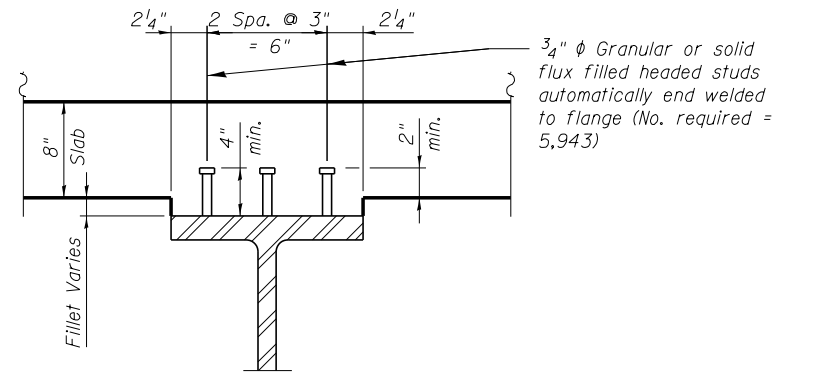
**NOTES:**

- Field verify location of all existing diaphragm connections on Beam D3 before fabricating proposed beams. Adjust locations of diaphragms so that connections to existing bolted angles can be made.
- Diaphragms shall be placed perpendicular to Beam D2 between Beams D1 & D2. At all support locations, diaphragms shall be placed parallel to  $\bar{C}$  Brg.
- All diaphragms shall be installed as steel is erected and secured with erection pins and bolts. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
- All Rolled Beams shall be AASHTO Grade 50 Steel.
- Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.
- See sheet SG59 for diaphragm details.
- See sheet SG60 for field bolted splice details.
- See sheet SG53 for structural steel removal and repairs.



**DETAIL 1**

**DETAIL 2**



**SECTION A-A**

**benesch**  
 engineers · scientists · planners

Alfred Benesch & Company  
 205 North Michigan Avenue, Suite 2400  
 Chicago, Illinois 60601  
 312-565-0450 Job No. 10093

FILE NAME =	USER NAME = jsurber	DESIGNED - TJJ	REVISED -
0160486.60J16.058.Framing_8thru12.dgn		CHECKED - AJK	REVISED -
		DRAWN - TJJ	REVISED -
		CHECKED - AJK	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN AND GIRDER ELEVATION SPANS 8 THRU 12  
 STRUCTURE NO. 016-0486**

SHEET NO. SG58 OF SG100 SHEETS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
373	2013-038B-R	COOK	821	648
CONTRACT NO.			60J16	
ILLINOIS FED. AID PROJECT				

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