

**DEAD LOAD DEFLECTION OF EXISTING GIRDER (FOR INFORMATION ONLY)**

SPAN	1				2					3					4					
	1/4	1/2	CL FIELD SPLICE	3/4	CL FIELD SPLICE	0.3	0.5	0.7	CL FIELD SPLICE	0.9	0.1	CL FIELD SPLICE	0.4	0.5	0.7	CL FIELD SPLICE	1/4	CL FIELD SPLICE	1/2	3/4
DEFLECTION DUE TO WT. OF STEEL	1/16	1/16	-1/16	-1/16	1/8	3/16	5/16	3/16	3/16	1/16	1/16	3/16	3/16	5/16	3/16	1/8	-1/16	-1/16	1/16	1/16
DEFLECTION DUE TO REMAINING DEAD LOAD	1/8	1/8	1/16	1/16	7/16	11/16	13/16	9/16	7/16	1/8	1/8	7/16	3/4	13/16	11/16	7/16	1/16	1/16	1/8	1/8
TOTAL DEAD LOAD DEFLECTION	3/16	3/16	0	0	9/16	7/8	1 1/8	3/4	5/8	3/16	3/16	5/8	15/16	1 1/8	7/8	9/16	0	0	3/16	3/16

**STEEL NOTES**

Welded Attachment of Supports for Concrete Deck Finishing Machine May Be Made to Areas of the Fascia Girder Flanges Designated "Compression". Attachments Shall Not Be Made to Areas Designated "Tension". Fillet Welds to Compression Flanges Shall Be Not Closer Than 1" From Edge of Flange, Be Not More Than 2" Long and Be Not Smaller Than The Minimum Size Required by AASHTO.

Top and Bottom Flange Plates Are To Be The Same Size and Spliced At Points Shown on The Girder Elevation.

Intermediate Stiffeners Shall Be Placed Equally Spaced Between Cross-Frame Stiffeners And/Or Bearing Stiffeners As Shown On The Framing Plan.

Intermediate Stiffeners Shall Have Contact Bearing or Rigid Connection With The Compression Flange of The Girder As Shown On The Girder Elevation And The Intermediate Stiffener Detail.

All Girder Field Splices Shall Be Made With 1" High Strength Bolts Which Shall Conform To ASTM A325. The Bolts Shall Be Placed With Their Heads on The Outside Face of Girder J And On The Bottom of All Flange Plates. For Additional Details And Notes See Drawing SD-1-69, Sheet 4 of 4.

The Crossframe Spacing For The New Bay And The Middle 5'-0" Wide Bay is Shown On The Framing Plan.

For Cover Plate Weld Details See Drawing SD-1-69, Sheet 3 of 4.

Where "(CVN)" Follows a Plate Size Designation, The Material Shall Meet Specified Minimum Notch Toughness Requirements, as Specified in 711.02 of CMS. The Fabricator Shall Submit To The Director A Procedure Designed For Positive Identification of Material Through All Phases of Fabrication. No Material Shall Be Fabricated Until The Director Has Approved The Procedure.

For Details of Rockers And Bolsters See Drawing RB-1-55. & Sheet 16/29

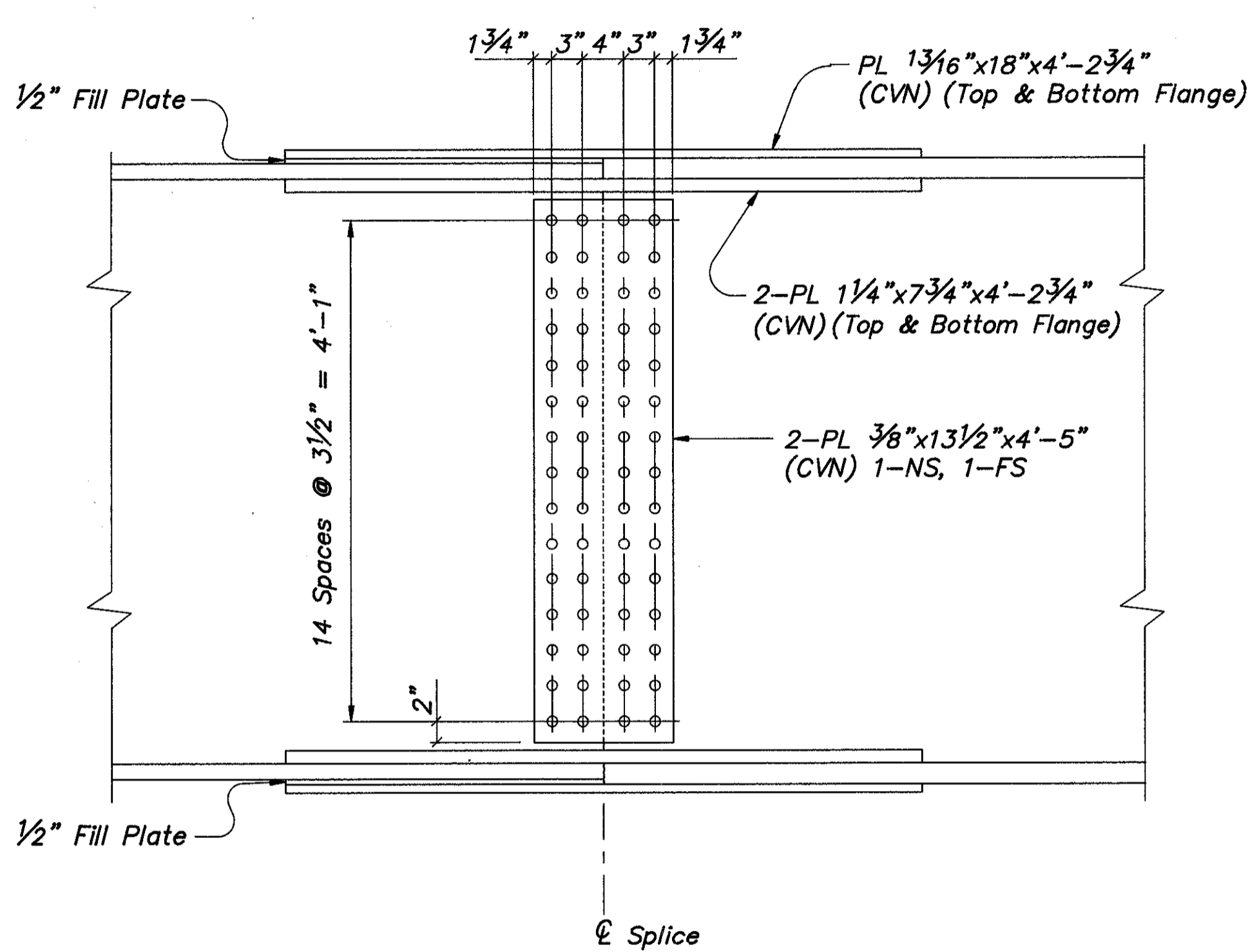
For Details of End Crossframes See Drawing SD-1-69, Sheet 1 of 4.

For Details of Intermediate Crossframes See Sheet 17/29

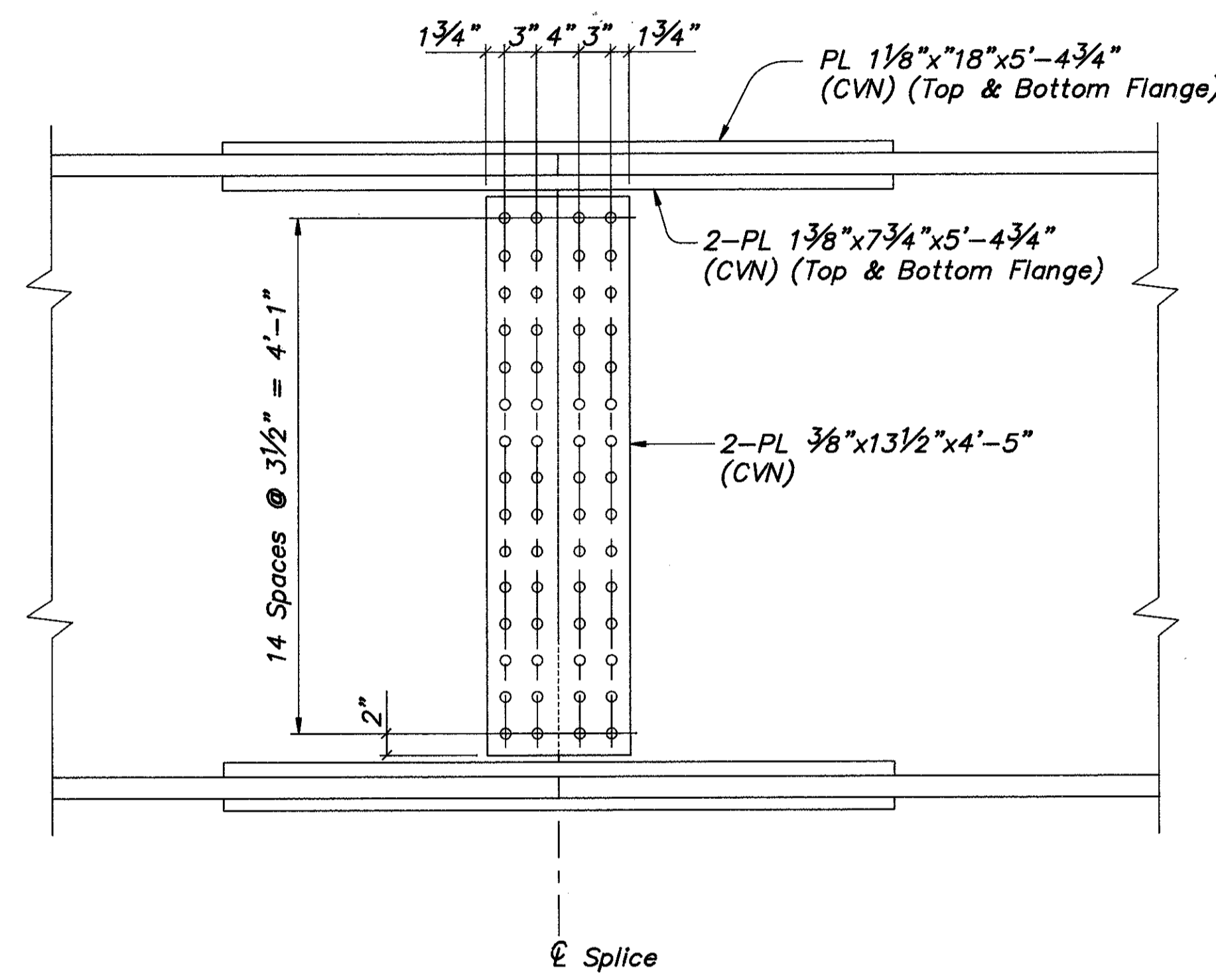
For Girder Elevations See Sheet 19/29

For Framing Plan See Sheet 18/29

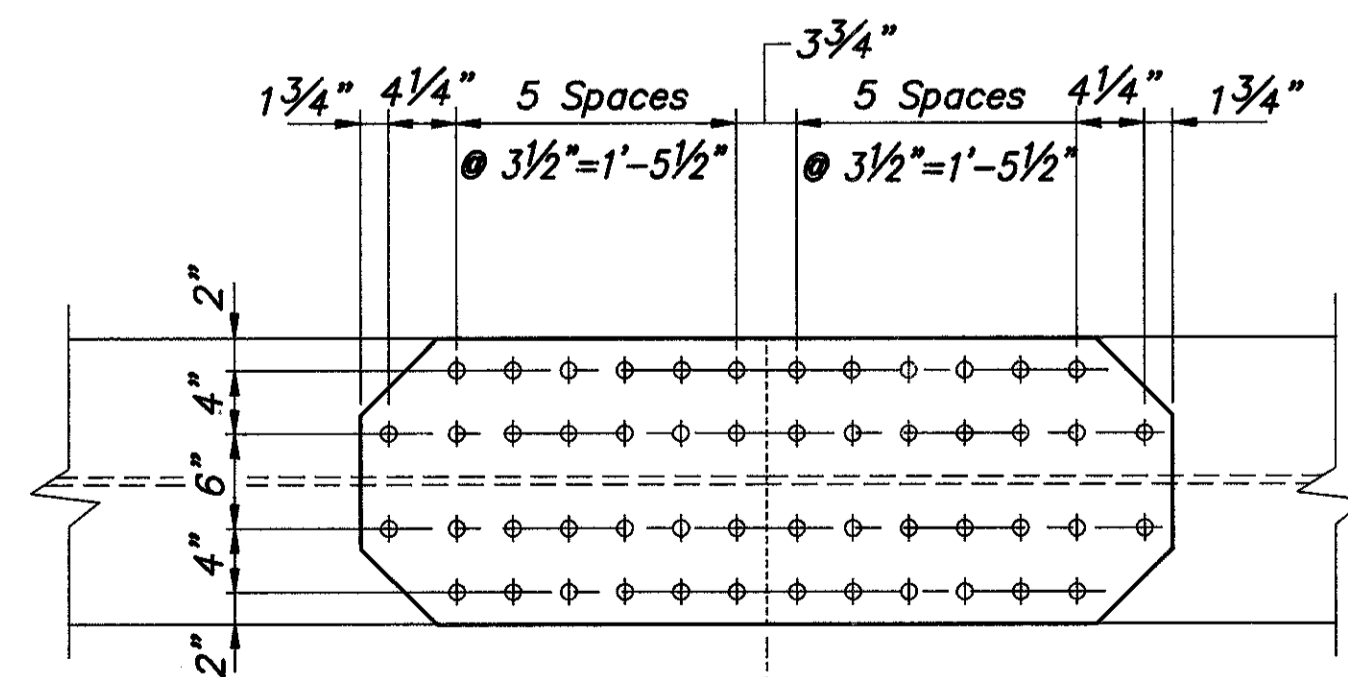
For Additional Notes See Sheet 4/29 & 5/29



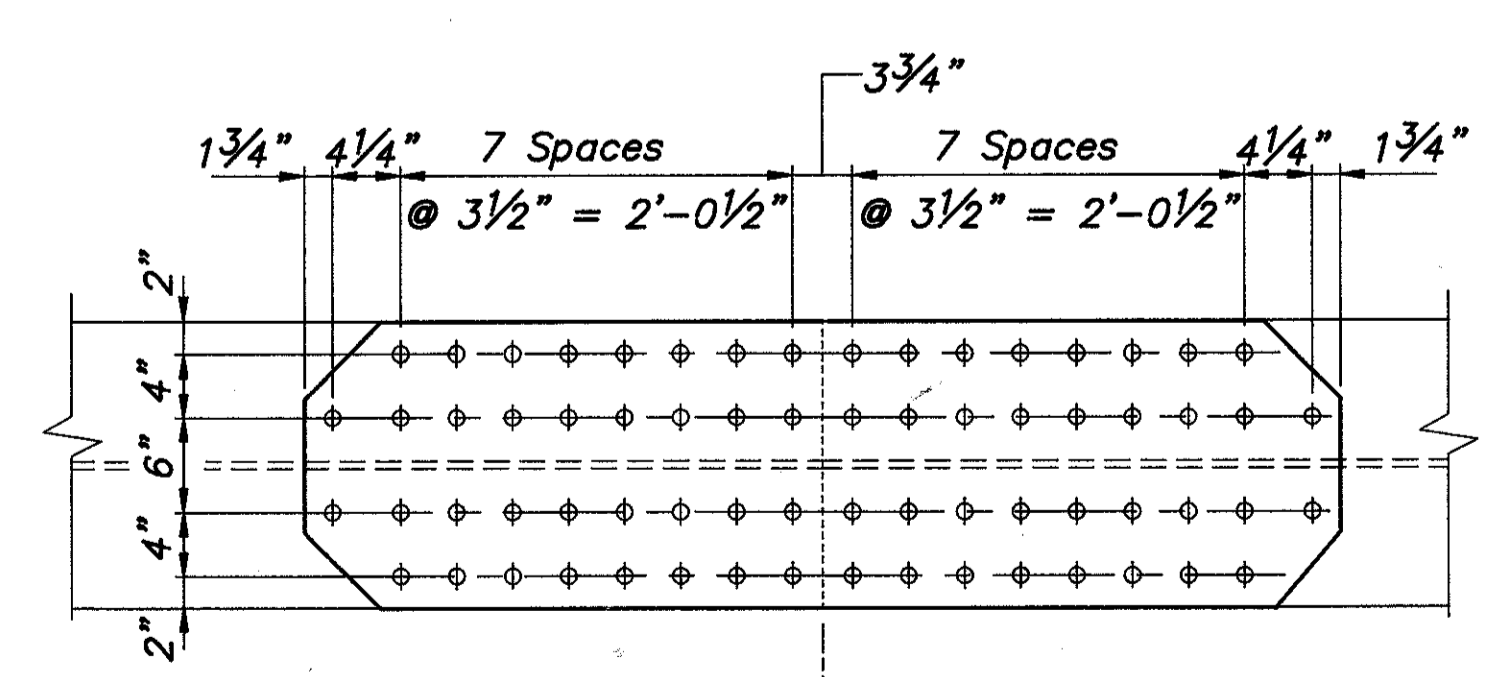
**FIELD SPICE TYPE A**



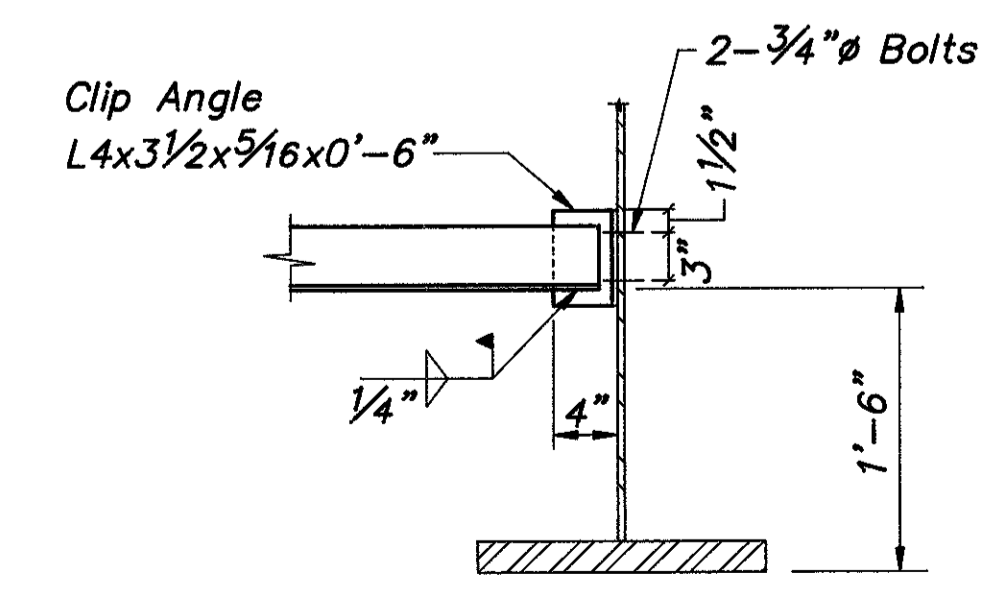
**FIELD SPICE TYPE B**



**TOP VIEW  
(FIELD SPICE A)**

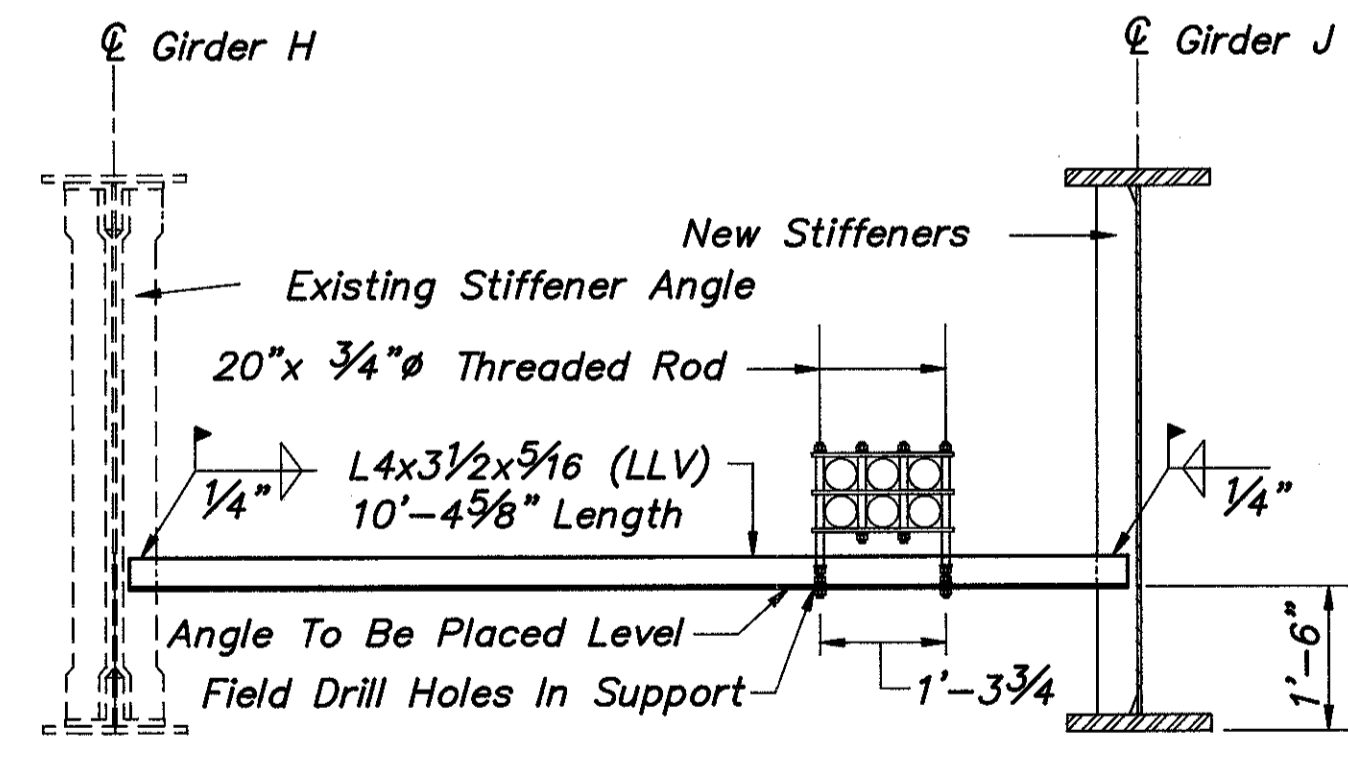


**TOP VIEW  
(FIELD SPICE B)**



**OBT DUCT SUPPORT  
CLIP ANGLE CONNECTION**

(Use Where No Stiffener is Available)  
(Typical for Both Ends of Support Angle)



**OBT DUCT SUPPORT ANGLE DETAIL**

Note: Cost of Materials and Labor to Install OBT Duct Supports is to be Paid by Ohio Bell Telephone Company.

Notation: NS - Near Side;  
FS - Far Side  
LLV - Long Leg Vertical

Engineers • Architects • Planners Willoughby • Mentor • Columbus • North Canton • Youngstown					
21/29					
<b>GIRDER SPLICE DETAILS</b> BRIDGE NO. LAK-306-0691 OVER STATE ROUTE 2 LAKE COUNTY					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
J.E.A.	R.L.B.	R.L.B.	J.P.R.	BJA	8/31/90
REVISED					