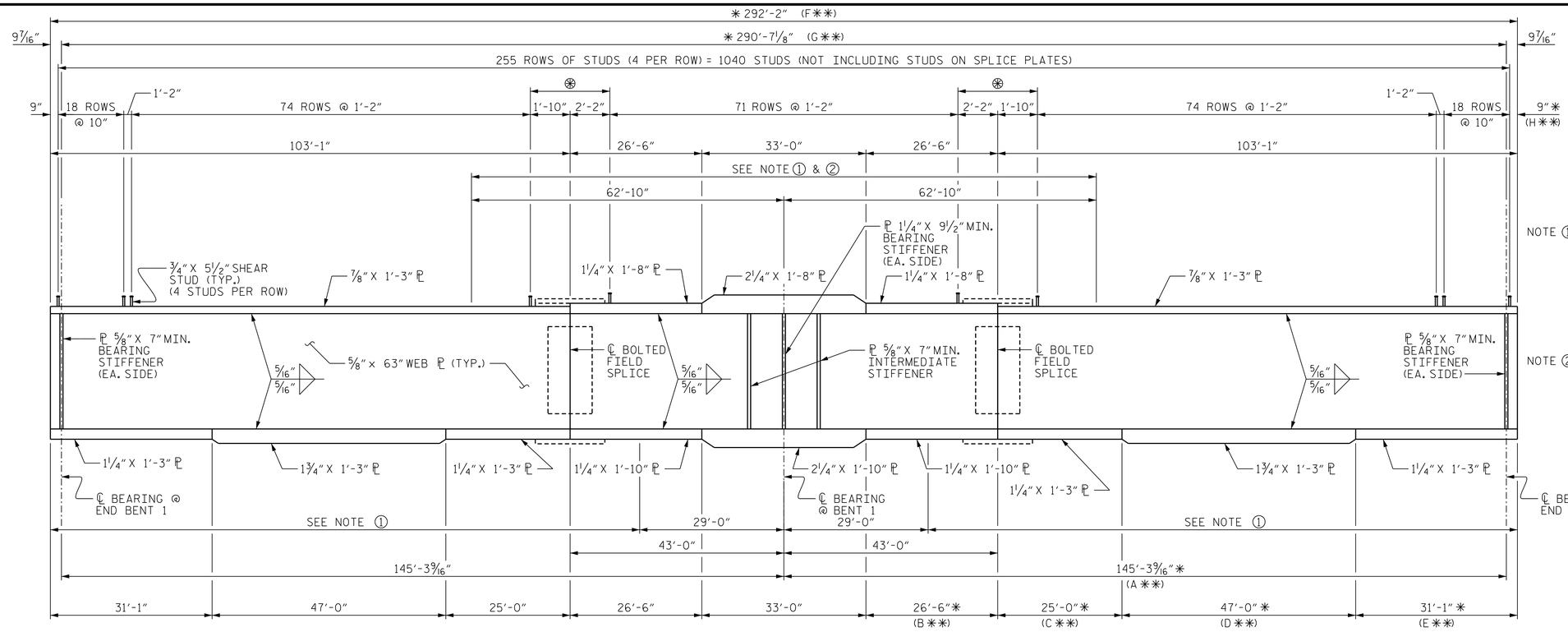


GIRDER ELEVATION

NOTES

FOR SHEAR STUD DETAILS, SEE SHEET 2 OF 4.

FOR BOLTED FIELD SPLICE DETAILS, SEE SHEET 3 OF 4.

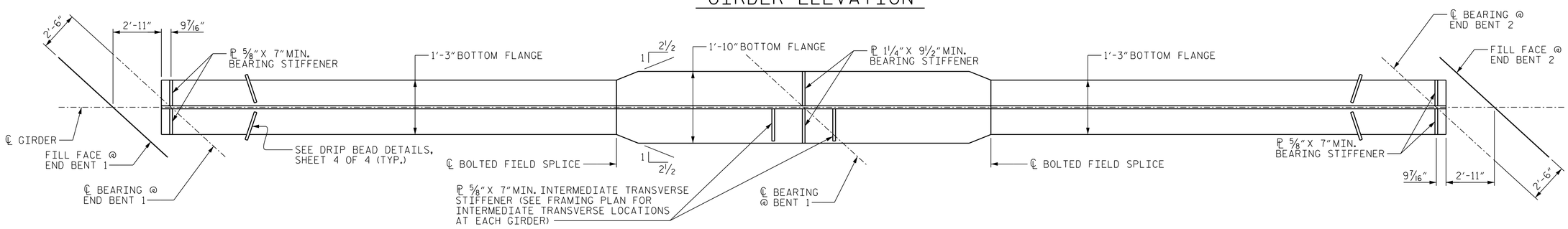
⊛ SEE SHEET 3 OF 4 FOR STUD LOCATIONS ON SPLICE PLATES.

NOTE ①: CHARPY V-NOTCH TESTS ARE REQUIRED FOR ALL TOP OR BOTTOM FLANGE PLATES WHICH FALL WITHIN THESE LIMITS, ALL WEB PLATES AND ALL SPLICE PLATES. IF A PERMITTED SHOP FLANGE SPLICE IS NOT USED, CHARPY V-NOTCH TESTS WILL BE REQUIRED FOR THE ENTIRE FLANGE PLATE. FOR CHARPY V-NOTCH TESTS, SEE ARTICLE 1072-9 OF THE STANDARD SPECIFICATIONS.

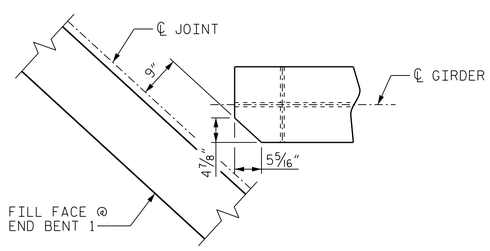
NOTE ②: NO WELDING OF FORMS OR FALSEWORK TO THE TOP FLANGE WILL BE PERMITTED IN THIS REGION.

✱ FOR GIRDERS 1 THROUGH 3.

✱✱ SEE TABLE 1 FOR DIMENSIONS ALONG SLOPE. FOR GIRDERS 4 THROUGH 7.



PLAN OF BOTTOM FLANGE



TOP FLANGE CLIP DETAIL

(TYP. BOTH ENDS OF GIRDER)

**TABLE 1

GIRDER	A	B	C	D	E	F	G	H
4	145'-3 13/16"	26'-6"	25'-0"	47'-0 1/8"	31'-1 1/8"	292'-2 1/4"	290'-7 3/8"	9 1/4"
5	145'-3 7/8"	26'-6"	25'-0 1/16"	47'-0 1/8"	31'-1 1/8"	292'-2 5/16"	290'-7 7/16"	9 5/16"
6	145'-3 15/16"	26'-6 1/16"	25'-0 1/16"	47'-0 1/8"	31'-1 1/8"	292'-2 3/8"	290'-7 1/2"	9 3/8"
7	145'-3 15/16"	26'-6 1/16"	25'-0 1/16"	47'-0 1/8"	31'-1 1/8"	292'-2 3/8"	290'-7 1/2"	9 3/8"

PROJECT NO. W-5107

JOHNSTON COUNTY

STATION: 33+45.98 -L-

SHEET 1 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

STRUCTURAL STEEL DETAILS

NORTH CAROLINA PROFESSIONAL SEAL 027799 ENGINEER ALLYSON K. ORR

11/26/2014

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-12
1			3			TOTAL SHEETS
2			4			70

DRAWN BY : B.E. LANNING DATE : 03/13
CHECKED BY : A.K. ORR DATE : 04/13
DESIGN ENGINEER OF RECORD : A.K. ORR DATE : 11/14

11/25/2014
2:14:28 PM
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