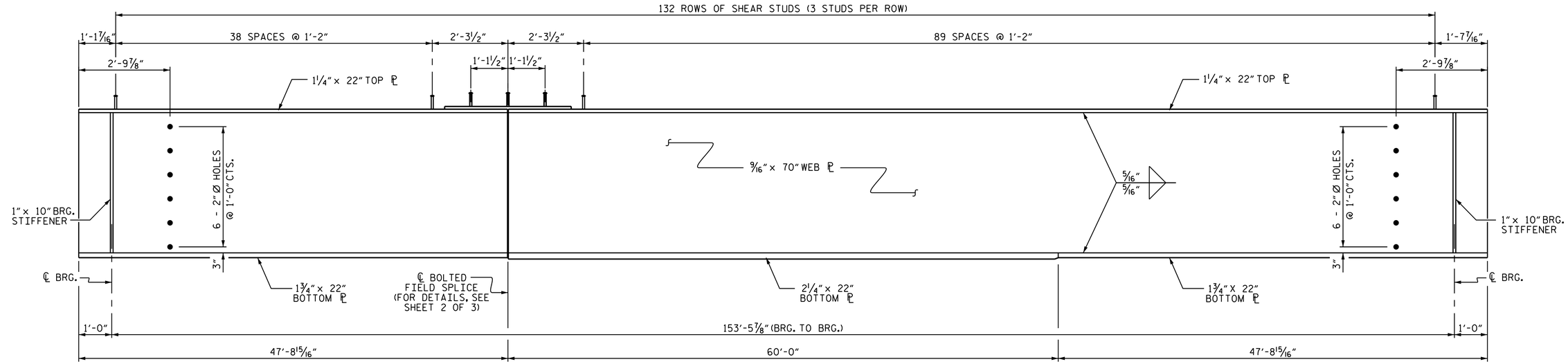
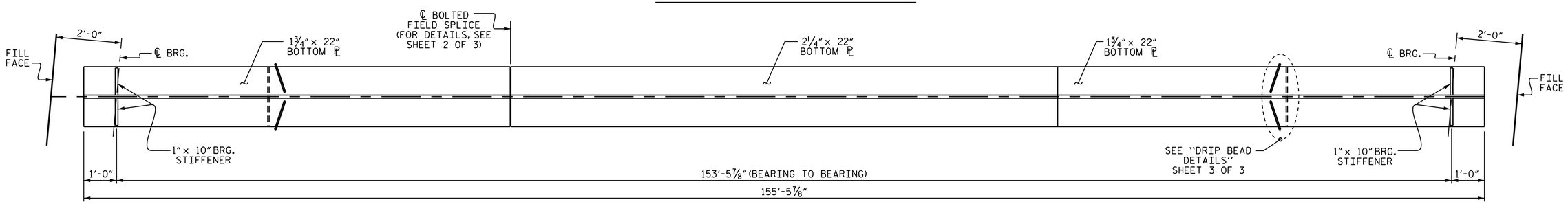


GIRDER ELEVATION



BOTTOM FLANGE DETAIL

NOTES

ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 50W AND PAINTED IN ACCORDANCE WITH SYSTEM 4 OF ARTICLE 442-8 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

ALL DIMENSIONS SHOWN ARE HORIZONTAL OR VERTICAL, UNLESS OTHERWISE NOTED.

ALL FIELD CONNECTIONS TO BE 7/8" DIA. HIGH STRENGTH BOLTS UNLESS OTHERWISE NOTED.

BEARING STIFFENERS ARE TO BE PLACED NORMAL TO THE WEB OF THE GIRDER AND SHALL BE PLUMB.

STUDS ON GIRDERS MAY BE SHIFTED UP TO 1" IF NECESSARY TO CLEAR FLANGE SPLICE WELD.

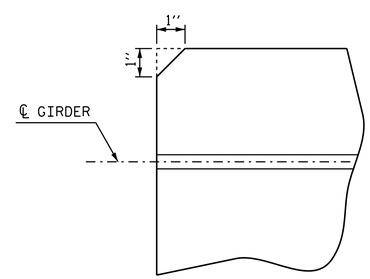
PERMITTED FLANGE AND WEB SHOP SPLICES SHALL NOT BE LOCATED WITHIN 15 FEET OF MAXIMUM DEAD LOAD DEFLECTION. KEEP 2 FEET MINIMUM BETWEEN WEB AND FLANGE SHOP SPLICES. KEEP 6" MINIMUM BETWEEN CONNECTOR PLATE OR TRANSVERSE STIFFENER WELDS AND WEB OR FLANGE SHOP SPLICES.

TENSION ON THE AASHTO M164 BOLTS SHALL BE CALIBRATED USING DIRECT TENSION INDICATOR WASHERS IN ACCORDANCE WITH ARTICLE 440-8 OF THE STANDARD SPECIFICATIONS.

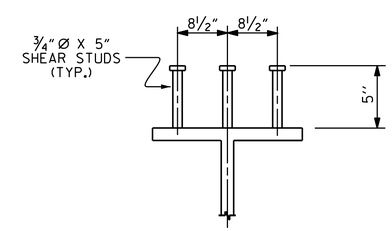
FABRICATORS SHALL DETAIL DIAPHRAGM MEMBERS AND CONNECTORS FOR FULL DEAD LOAD FIT UP.

END OF GIRDERS SHALL BE PLUMB.

FOR DETAILS OF PAINTING OF STRUCTURAL STEEL FOR THE LEFT EXTERIOR GIRDER, SEE "AESTHETIC TREATMENT PLAN" SHEET.



CLIP DETAIL FOR TOP FLANGE



SHEAR STUD DETAIL

PROJECT NO. R-4903

BLADEN COUNTY

STATION: 46+73.19 -L-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

STRUCTURAL STEEL

(LEFT LANE)

NORTH CAROLINA PROFESSIONAL SEAL 10730 ENGINEER D. ANDRÉ DAVENPORT JR.

DocuSigned by: D. André Davenport, Jr. 895DC284F664495 10/28/2014

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-45
1			3					TOTAL SHEETS
2			4					92

STR. #2

DRAWN BY : K.D. LAYNE DATE : 8-22-12
CHECKED BY : M. K. BEARD DATE : 10-15-12
DESIGN ENGINEER OF RECORD: T. M. GARRISON DATE : 04/12/13

28-OCT-2014 09:03
R:\Structures\Plans\Str#2\R4903_sd_SS_02.dgn
ddavenport