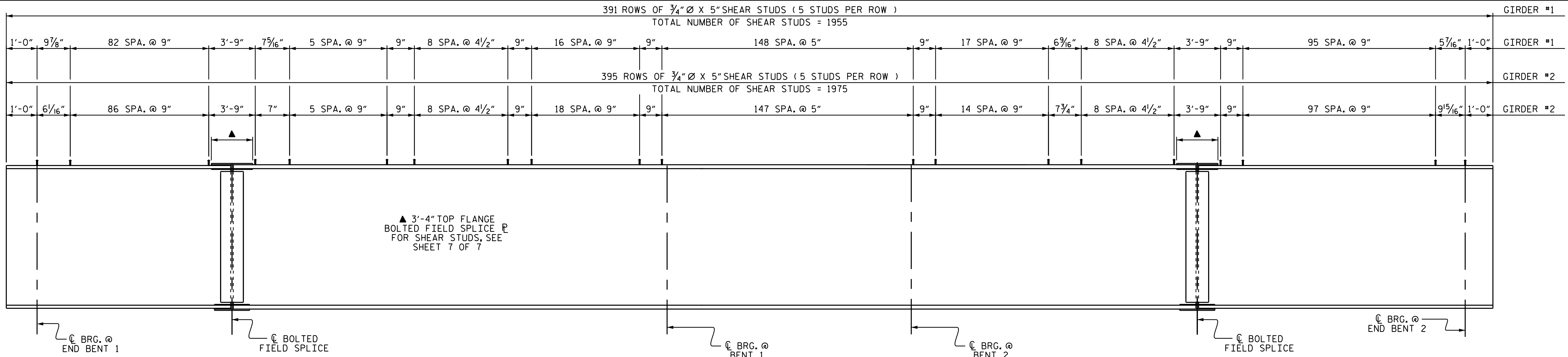
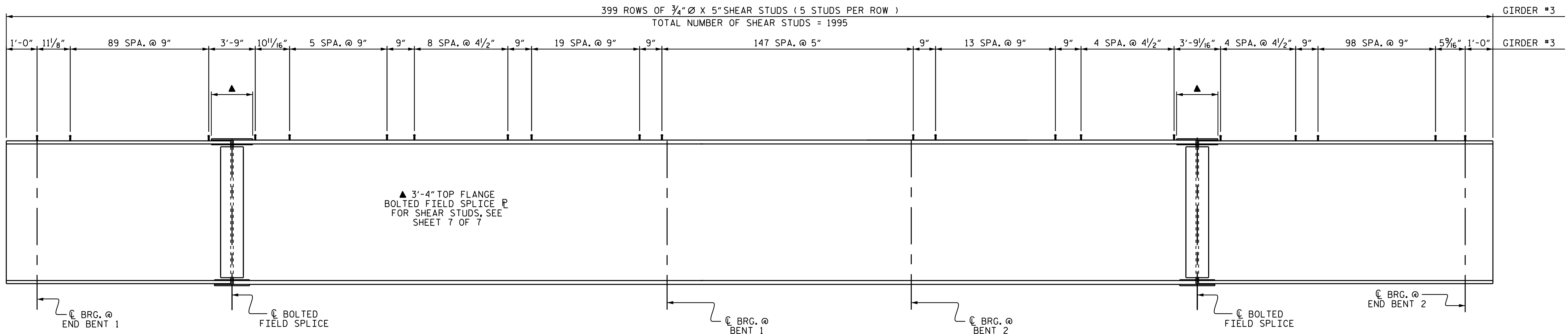


391 ROWS OF 3/4" Ø X 5" SHEAR STUDS (5 STUDS PER ROW)
 TOTAL NUMBER OF SHEAR STUDS = 1955

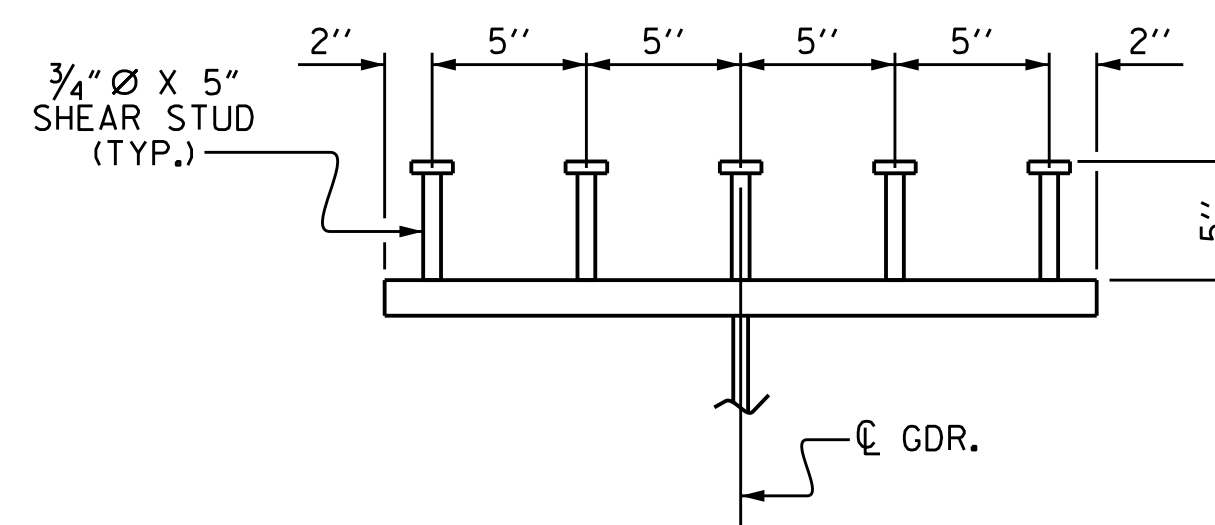


SHEAR STUD LOCATIONS FOR GIRDER #1 AND GIRDER #2

399 ROWS OF 3/4" Ø X 5" SHEAR STUDS (5 STUDS PER ROW)
 TOTAL NUMBER OF SHEAR STUDS = 1995



SHEAR STUD LOCATIONS FOR GIRDER #3



SHEAR STUD DETAIL

TYPICAL EXCEPT @ BOLTED FIELD SPLICE

PROJECT NO. B-5121/B-5317
WAKE COUNTY
 STATION: 20+19.94 -FLYOVER-

SHEET 2 OF 7



DocuSigned by:
 Westy W. Alford
 4/13/2016

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUPERSTRUCTURE
 STRUCTURAL STEEL
 DETAILS

DRAWN BY : J.P. ADAMS DATE : 12/2015
 CHECKED BY : I.L. AVERETTE DATE : 2/2016
 DESIGN ENGINEER OF RECORD: R.L. CHESSON DATE : 2/2016

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-61
1			3			TOTAL SHEETS
2			4			110