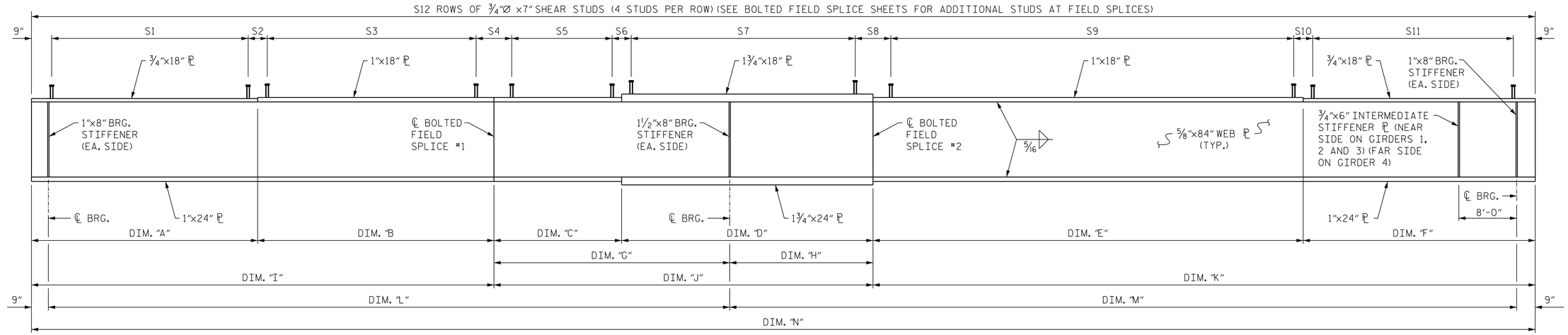
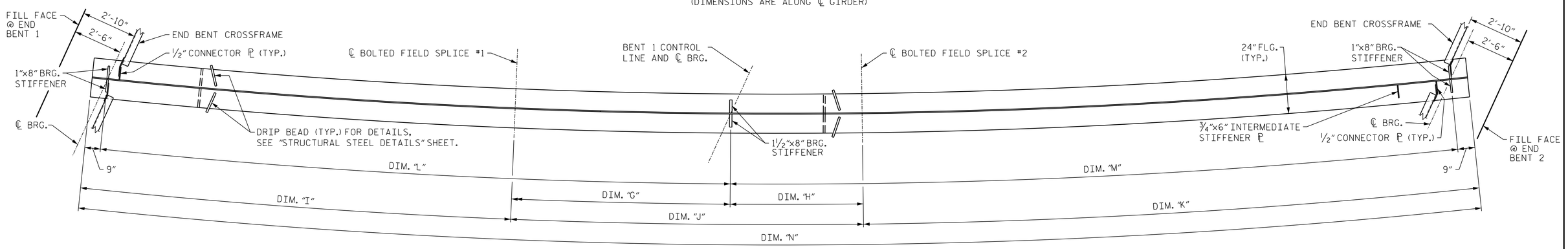


GIRDER ELEVATION

(DIMENSIONS ARE ALONG ℄ GIRDER)



BOTTOM FLANGE DETAIL

INTERIOR GIRDER SHOWN, EXTERIOR GIRDER SIMILAR EXCEPT NO CONNECTOR PL'S SHALL BE PLACED ON THE OUTSIDE OF WEB.

GIRDER DIMENSIONS

GIRDER	RADIUS	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	1308'-1½"	31'-3 5/16"	54'-7⅛"	12'-1"	55'-1 15/16"	69'-8 7/16"	54'-1 13/16"	42'-6 15/16"	24'-8"	85'-10 7/16"	67'-2 15/16"	123'-10¼"	127'-8⅜"	147'-9¼"	276'-11⅝"
2	1320'-0½"	35'-7⅞"	51'-7 11/16"	15'-7¾"	51'-2 13/16"	74'-9 3/16"	47'-5 9/16"	40'-11 9/16"	25'-11"	87'-3 9/16"	66'-10 9/16"	122'-2¾"	127'-6⅛"	147'-4¾"	276'-4⅞"
3	1331'-11½"	40'-0 7/16"	44'-0 13/16"	23'-9⅞"	46'-10 11/16"	80'-2 15/16"	40'-9⅝"	43'-11¾"	26'-8 13/16"	84'-1¼"	70'-8 9/16"	121'-0⅝"	127'-4"	147'-0 7/16"	275'-10 7/16"
4	1343'-10½"	44'-4 15/16"	41'-1⅝"	27'-4⅜"	39'-3 5/16"	89'-0"	34'-2"	42'-4⅜"	24'-3 5/16"	85'-6½"	66'-7 11/16"	123'-2"	127'-1⅞"	146'-8 5/16"	275'-4 3/16"

SHEAR STUD DIMENSIONS

GIRDER	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
1	30 SPA @ 1'-0"	1'-0"	63 SPA @ 10"	3'-2"	9 SPA @ 1'-1"	1'-0"	53 SPA @ 1'-0"	3'-9⅝"	81 SPA @ 10"	9"	53 SPA @ 1'-0"	295
2	34 SPA @ 1'-0"	1'-0"	60 SPA @ 10"	3'-4"	12 SPA @ 1'-1"	1'-1"	49 SPA @ 1'-0"	3'-11⅞"	87 SPA @ 10"	1'-0"	46 SPA @ 1'-0"	294
3	39 SPA @ 1'-0"	1'-0"	50 SPA @ 10"	3'-0"	20 SPA @ 1'-1"	1'-0"	45 SPA @ 1'-0"	3'-8 7/16"	93 SPA @ 10"	10"	40 SPA @ 1'-0"	293
4	43 SPA @ 1'-0"	1'-0"	47 SPA @ 10"	3'-4"	23 SPA @ 1'-1"	1'-0"	37 SPA @ 1'-0"	3'-9 3/16"	104 SPA @ 10"	1'-0"	33 SPA @ 1'-0"	293

PROJECT NO. U-2579B

FORSYTH COUNTY

STATION: 44+08.64 -Y4RPBD-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

GIRDER ELEVATION AND BOTTOM FLANGE DETAIL

DESIGNED BY:	B. LOFLIN	DATE :	MAR 2014
DRAWN BY:	K. WHITE	DATE :	MAR 2014
CHECKED BY:	J. DOUGHTY	DATE :	APR 2014
DESIGN ENGINEER OF RECORD:	J. DOUGHTY	DATE :	MAY 2014

PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

NORTH CAROLINA PROFESSIONAL SEAL 032967 ENGINEER JASON R. DOUGHTY
7/2/2014
DocuSigned by: Jason Doughty
00F1C86448274F7...

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-557
1			3			TOTAL SHEETS
2			4			707

STR. #15

7/2/2014
173498C_SD_GE_1501.dgn