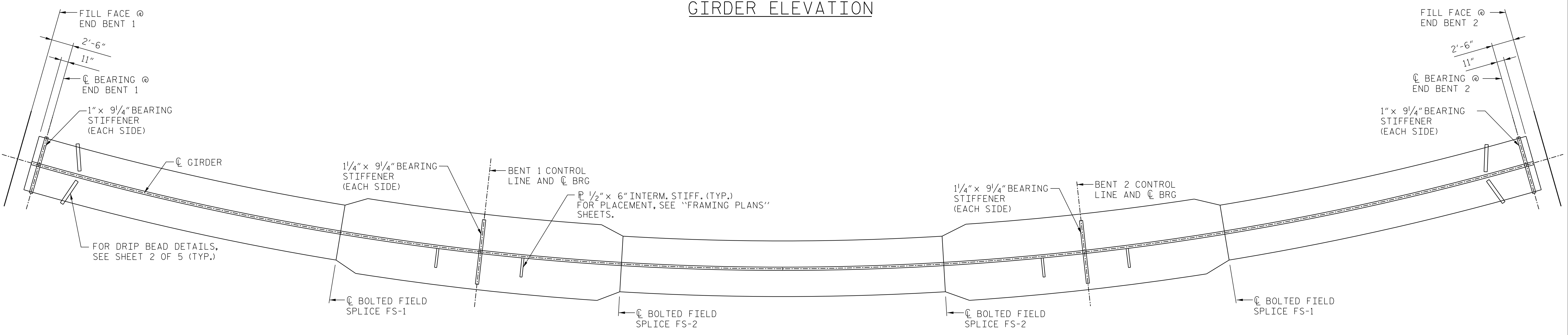


GIRDER ELEVATION



PLAN OF BOTTOM FLANGE

GIRDER DIMENSIONS

GIRDER	RADIUS	A	B	C	D	E	F	G	H	I	J	K	L	M
1	812'-6"	450'-4 <sup>11</sup> / <sub>16</sub> "	134'-11 <sup>5</sup> / <sub>8</sub> "	180'-5 <sup>3</sup> / <sub>8</sub> "	134'-11 <sup>5</sup> / <sub>8</sub> "	93'-6 <sup>3</sup> / <sub>16</sub> "	23'-5 <sup>7</sup> / <sub>16</sub> "	36'-0"	23'-5 <sup>7</sup> / <sub>16</sub> "	109'-2 <sup>5</sup> / <sub>16</sub> "	11'-9"	36'-0"	23'-5 <sup>7</sup> / <sub>16</sub> "	93'-6 <sup>3</sup> / <sub>16</sub> "
2	821'-3"	455'-3 <sup>5</sup> / <sub>16</sub> "	136'-5 <sup>5</sup> / <sub>16</sub> "	182'-4 <sup>11</sup> / <sub>16</sub> "	136'-5 <sup>5</sup> / <sub>16</sub> "	94'-6 <sup>1</sup> / <sub>2</sub> "	23'-10 <sup>3</sup> / <sub>16</sub> "	36'-0"	23'-10 <sup>3</sup> / <sub>16</sub> "	110'-5 <sup>1</sup> / <sub>16</sub> "	12'-0 <sup>3</sup> / <sub>16</sub> "	36'-0"	23'-10 <sup>3</sup> / <sub>16</sub> "	94'-6 <sup>1</sup> / <sub>2</sub> "
3	830'-0"	460'-1 <sup>5</sup> / <sub>16</sub> "	137'-10 <sup>5</sup> / <sub>16</sub> "	184'-4"	137'-10 <sup>5</sup> / <sub>16</sub> "	95'-6 <sup>13</sup> / <sub>16</sub> "	24'-4 <sup>3</sup> / <sub>16</sub> "	36'-0"	24'-4 <sup>3</sup> / <sub>16</sub> "	111'-7 <sup>3</sup> / <sub>16</sub> "	12'-4 <sup>1</sup> / <sub>16</sub> "	36'-0"	24'-4 <sup>3</sup> / <sub>16</sub> "	95'-6 <sup>13</sup> / <sub>16</sub> "
4	838'-9"	465'-0 <sup>1</sup> / <sub>2</sub> "	139'-4 <sup>5</sup> / <sub>8</sub> "	186'-3 <sup>5</sup> / <sub>16</sub> "	139'-4 <sup>5</sup> / <sub>8</sub> "	96'-7 <sup>1</sup> / <sub>16</sub> "	24'-9 <sup>1</sup> / <sub>4</sub> "	36'-0"	24'-9 <sup>1</sup> / <sub>4</sub> "	112'-9 <sup>1</sup> / <sub>4</sub> "	12'-8 <sup>1</sup> / <sub>2</sub> "	36'-0"	24'-9 <sup>1</sup> / <sub>4</sub> "	96'-7 <sup>1</sup> / <sub>16</sub> "
5	847'-6"	469'-11 <sup>1</sup> / <sub>8</sub> "	140'-10 <sup>1</sup> / <sub>4</sub> "	188'-2 <sup>5</sup> / <sub>8</sub> "	140'-10 <sup>1</sup> / <sub>4</sub> "	97'-7 <sup>3</sup> / <sub>8</sub> "	25'-2 <sup>7</sup> / <sub>8</sub> "	36'-0"	25'-2 <sup>7</sup> / <sub>8</sub> "	113'-11 <sup>3</sup> / <sub>8</sub> "	13'-0 <sup>3</sup> / <sub>8</sub> "	36'-0"	25'-2 <sup>7</sup> / <sub>8</sub> "	97'-7 <sup>3</sup> / <sub>8</sub> "

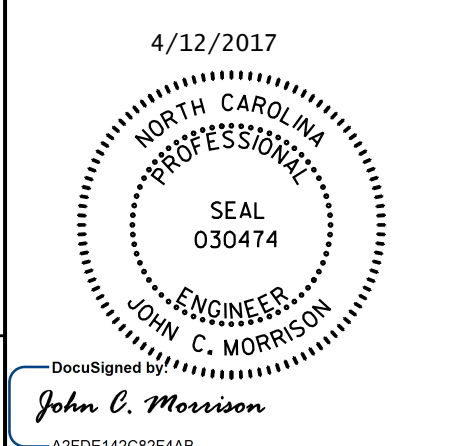
SHEAR STUD DIMENSIONS

GIRDER	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17
1	108 SPA @ 1'-0"	1'-3"	17 SPA @ 1'-3"	1'-0"	29 SPA @ 1'-0"	1'-3"	10 SPA @ 1'-3"	1'-0"	119 SPA @ 1'-0"	1'-3"	10 SPA @ 1'-3"	1'-0"	29 SPA @ 1'-0"	1'-3"	17 SPA @ 1'-3"	1'-0"	107 SPA @ 1'-0"
2	116 SPA @ 1'-0"	1'-3"	9 SPA @ 1'-3"	1'-3"	23 SPA @ 1'-3"	1'-3"	10 SPA @ 1'-3"	1'-0"	118 SPA @ 1'-0"	1'-3"	10 SPA @ 1'-3"	1'-3"	23 SPA @ 1'-3"	1'-3"	9 SPA @ 1'-3"	1'-0"	115 SPA @ 1'-0"
3	118 SPA @ 1'-0"	1'-3"	6 SPA @ 1'-3"	1'-3"	23 SPA @ 1'-3"	1'-3"	10 SPA @ 1'-3"	1'-0"	116 SPA @ 1'-0"	1'-3"	10 SPA @ 1'-3"	1'-3"	23 SPA @ 1'-3"	1'-3"	6 SPA @ 1'-3"	1'-0"	117 SPA @ 1'-0"
4	118 SPA @ 1'-0"	1'-3"	5 SPA @ 1'-3"	1'-3"	23 SPA @ 1'-3"	1'-3"	10 SPA @ 1'-3"	1'-0"	114 SPA @ 1'-0"	1'-3"	10 SPA @ 1'-3"	1'-3"	23 SPA @ 1'-3"	1'-3"	5 SPA @ 1'-3"	1'-0"	117 SPA @ 1'-0"
5	104 SPA @ 1'-0"	1'-3"	15 SPA @ 1'-3"	1'-3"	23 SPA @ 1'-3"	1'-3"	10 SPA @ 1'-3"	1'-0"	112 SPA @ 1'-0"	1'-3"	10 SPA @ 1'-3"	1'-3"	23 SPA @ 1'-3"	1'-3"	11 SPA @ 1'-3"	1'-0"	103 SPA @ 1'-0"

NOTES:

- FOR STRUCTURAL STEEL NOTES, SEE SHEET 3 OF 5.
- FOR SHEAR STUD DETAILS, SEE SHEET 3 OF 5.
- FOR BOLTED FIELD SPLICE DETAILS, SEE SHEET 4 OF 5.
- FOR INTERMEDIATE STIFFENER LOCATIONS, SEE FRAMING PLANS.

PROJECT NO. R-5516  
CRAVEN COUNTY  
 STATION: 32+25.84 -YEB01-  
75+13.29 -L-  
 SHEET 1 OF 5



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUPERSTRUCTURE  
 STRUCTURAL STEEL  
 DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-18
2			4			TOTAL SHEETS 51

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DRAWN BY : N. K. BROWN DATE : 03/16  
 CHECKED BY : J. C. MORRISON DATE : 03/16  
 DESIGN E.O.R. : J. C. MORRISON DATE : 05/16