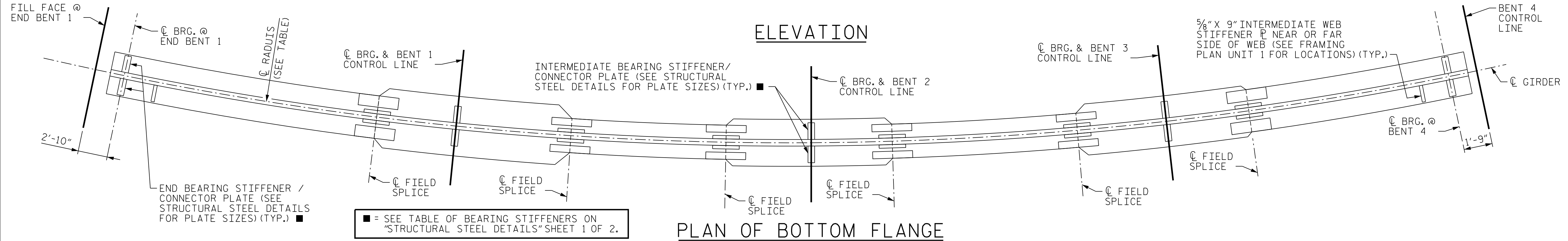
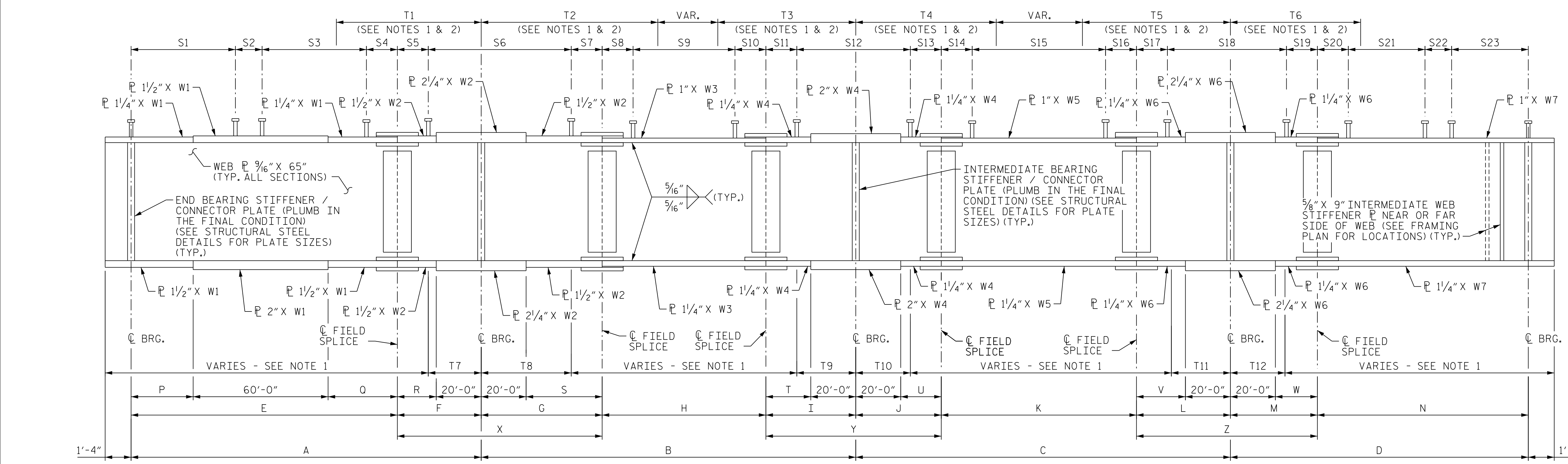


NOTES
SEE "SUPERSTRUCTURE GIRDER DETAILS, UNIT 2" SHEET FOR NOTES.



PLAN OF BOTTOM FLANGE

GIRDER DIMENSIONS																										
GIRDER	CL RADIUS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z
1	1538'-0"	161'-9 3/4"	166'-7 3/8"	166'-7 3/8"	141'-2 1/16"	124'-10 1/8"	36'-11 5/8"	53'-2 7/8"	73'-11 1/4"	39'-5 1/4"	37'-5 9/16"	87'-8 5/16"	41'-4 7/8"	41'-4 7/8"	99'-9 9/16"	33'-8 5/8"	31'-1 1/2"	16'-11 5/8"	33'-2 7/8"	19'-5 1/4"	17'-5 9/16"	21'-4 7/8"	21'-4 7/8"	90'-2 1/2"	76'-10 3/16"	82'-9 3/4"
2	1550'-0"	163'-1 1/8"	167'-11"	167'-11"	142'-3 7/8"	125'-10"	37'-3 3/8"	53'-7 7/8"	74'-6 3/16"	39'-8 5/16"	37'-9 1/16"	88'-5 3/16"	41'-8 3/4"	41'-8 3/4"	100'-7 1/8"	34'-2 3/4"	31'-7 1/4"	17'-3 1/8"	33'-7 7/8"	19'-8 5/16"	17'-9 1/16"	21'-8 3/4"	21'-8 3/4"	90'-11"	77'-6"	83'-5 1/2"
3	1562'-0"	164'-4 9/16"	169'-2 5/8"	169'-2 5/8"	143'-5 1/4"	126'-10"	37'-6 9/16"	54'-0 3/16"	75'-1 3/16"	40'-0 5/8"	38'-0 9/16"	89'-1 1/16"	42'-0 5/8"	42'-0 5/8"	101'-4 5/8"	34'-9 1/16"	32'-0 5/16"	17'-6 9/16"	34'-0 1/16"	20'-0 5/8"	18'-0 9/16"	22'-0 5/8"	22'-0 5/8"	91'-7 3/8"	78'-1 3/16"	84'-1 1/4"
4	1574'-0"	165'-8"	170'-6 3/16"	170'-6 3/16"	144'-6 5/8"	127'-9 5/16"	37'-10 1/16"	54'-5 1/16"	75'-8 1/16"	40'-4 5/16"	38'-4 1/16"	89'-9 5/8"	42'-4 1/2"	42'-4 1/2"	102'-2 1/8"	35'-3 1/4"	32'-6 1/16"	17'-10 1/16"	34'-5 1/16"	20'-4 1/16"	18'-4 1/16"	22'-4 1/2"	22'-4 1/2"	92'-3 7/8"	78'-8 3/8"	84'-9"

STUD SPACING DIMENSIONS												
GIRDER	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	
1	22 SPA. @ 9"	9"	97 SPA. @ 1'-1"	2'-6 1/16"	2'-7 1/4"	85 SPA. @ 1'-0"	2'-7 1/4"	1'-9 9/8"	65 SPA. @ 1'-1"	1'-9 9/8"	1'-11 7/16"	
2	18 SPA. @ 11"	9"	98 SPA. @ 1'-1"	2'-5 1/16"	2'-8"	79 SPA. @ 1'-1"	2'-8"	2'-0 5/8"	65 SPA. @ 1'-1"	2'-0 5/8"	1'-11"	
3	18 SPA. @ 11"	9"	99 SPA. @ 1'-1"	2'-4"	2'-5 1/16"	80 SPA. @ 1'-1"	2'-5 1/16"	2'-4 1/16"	65 SPA. @ 1'-1"	2'-4 1/16"	2'-2 5/8"	
4	26 SPA. @ 9"	8 1/2"	101 SPA. @ 1'-0 1/2"	2'-4 5/16"	2'-4 5/16"	84 SPA. @ 1'-0 1/2"	2'-4 5/16"	1'-10 3/16"	69 SPA. @ 1'-0 1/2"	1'-10 3/16"	1'-11 1/16"	

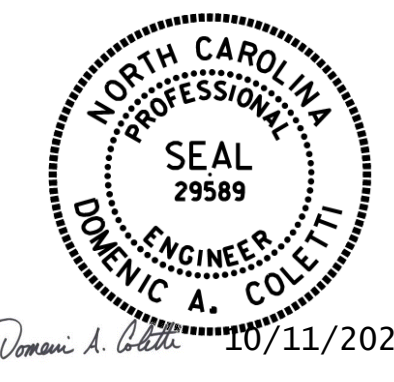
LIMITS OF TENSION FLANGES FOR CHARPY V-NOTCH TESTS												
GIRDER	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12
1	57'-0"	83'-3"	83'-3"	62'-0"	65'-0"	69'-0"	29'-0"	34'-0"	26'-7"	26'-0"	30'-8"	27'-6"
2	53'-0"	72'-0"	61'-0"	55'-0"	59'-0"	55'-0"	30'-5"	36'-0"	27'-11"	27'-0"	31'-11"	28'-7"
3	54'-0"	78'-0"	65'-0"	57'-0"	62'-0"	56'-0"	29'-9"	37'-0"	27'-3"	26'-0"	32'-3"	28'-8"
4	57'-0"	85'-3"	85'-3"	64'-0"	67'-0"	60'-0"	29'-0"	38'-0"	27'-6"	25'-0"	32'-6"	27'-10"

GIRDER FLANGE WIDTHS							
GIRDER	FLANGE	W1	W2	W3	W4	W5	W7
1, 2 & 3	TOP	20"	28"	16"	22"	16"	20"
	BOTTOM	24"	32"	24"	28"	24"	26"
4	TOP	24"	32"	18"	28"	18"	22"
	BOTTOM	28"	36"	26"	30"	26"	30"

PROJECT NO. U-2579AB
 FORSYTH COUNTY
 STATION: 47+63.62 -Y15FLYBD-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

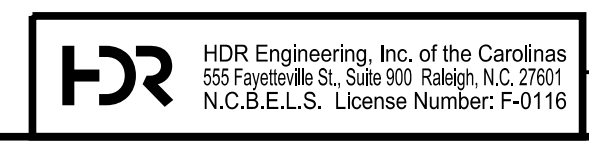
SUPERSTRUCTURE GIRDER DETAILS UNIT 1



REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.	
1	--	--	3	--	--	TOTAL SHEETS 116	
2	--	--	4	--	--		

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 TIME: 8:22:01 AM

DES BY: S. NIFONG DATE: 07/19 DWG BY: B. PETERSON DATE: 07/19
 DES CHK: G. SCHMITZ DATE: 07/19 CHK BY: S. NIFONG DATE: 08/19



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