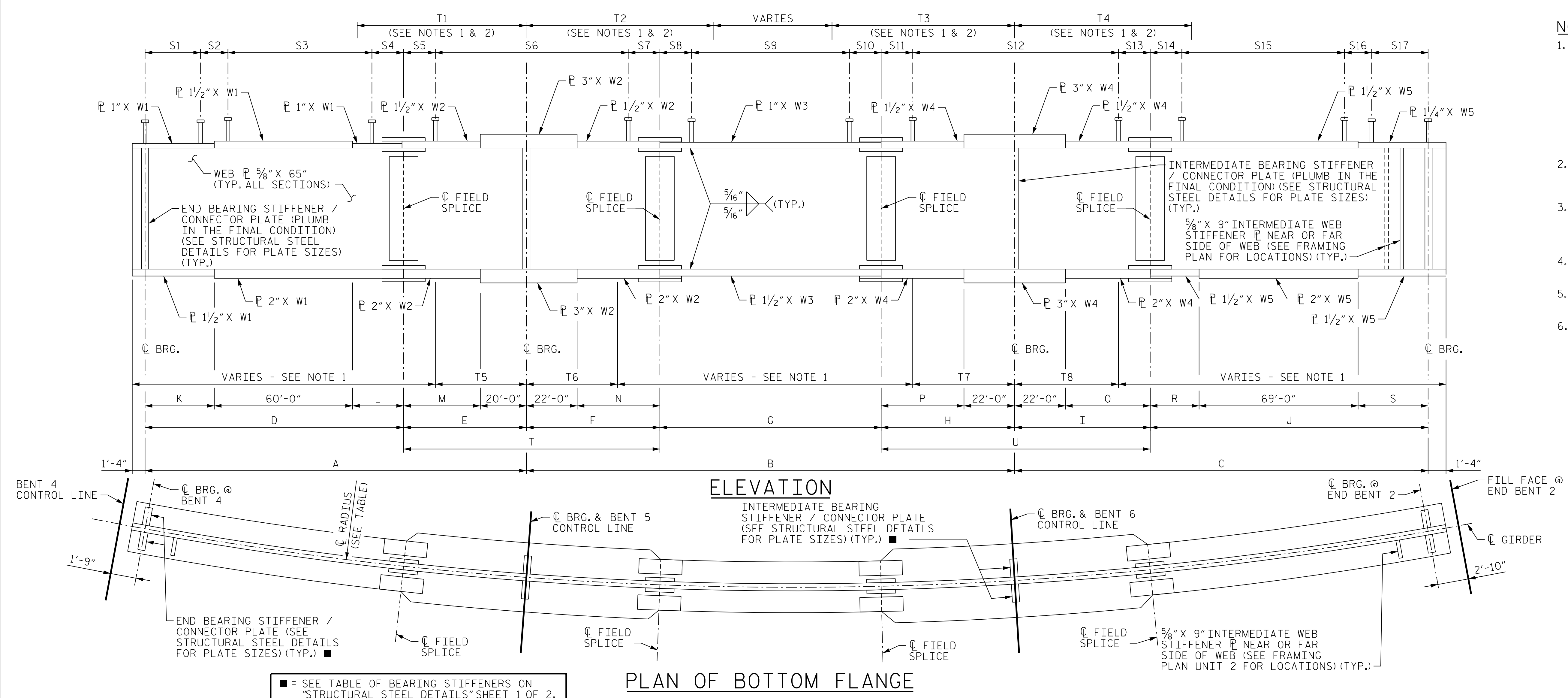


- NOTES**
1. CHARPY V-NOTCH TESTS ARE REQUIRED FOR ALL TOP OR BOTTOM FLANGE PLATES WHICH FALL WITHIN THESE LIMITS, ALL WEB PLATES, AND ALL SPLICE PLATES. IF A PERMITTED SHOP FLANGE SPLICE IS NOT USED, CHARPY V-NOTCH TESTS WILL BE REQUIRED FOR THE ENTIRE FLANGE PLATE. FOR CHARPY V-NOTCH TESTS, SEE ARTICLE 1072-7 OF THE STANDARD SPECIFICATIONS.
  2. NO WELDING OF FORMS OR FALSEWORK TO THE TOP FLANGE WILL BE PERMITTED IN THIS REGION.
  3. DIMENSIONS ARE HORIZONTAL ARC DIMENSIONS ALONG THE C OF GIRDER. NO CORRECTIONS HAVE BEEN MADE TO ADJUST FOR THE DISTANCE ALONG THE GRADE.
  4. FOR SHEAR CONNECTOR TRANSVERSE SPACING, SEE "STRUCTURAL STEEL DETAILS" SHEET.
  5. FOR CHARPY V-NOTCH TEST, SEE SPECIAL PROVISIONS.
  6. SEE SHEET "FRAMING PLAN - UNIT 1" OR "FRAMING PLAN - UNIT 2" FOR FIELD SPLICE TYPES.



**STUD SPACING DIMENSIONS**

GIRDER	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17
1	44 SPA. @ 9"	10 1/2"	69 SPA. @ 1'-1 1/2"	2'-7 1/8"	2'-2 1/16"	94 SPA. @ 1'-1 1/2"	2'-0 1/16"	2'-4 1/16"	88 SPA. @ 1'-0"	2'-4 1/16"	2'-5 1/8"	102 SPA. @ 1'-1"	2'-5 1/8"	2'-6 3/16"	73 SPA. @ 1'-2"	10"	43 SPA. @ 10"
2	36 SPA. @ 11"	8"	70 SPA. @ 1'-1 1/2"	2'-6 5/16"	2'-3 1/16"	88 SPA. @ 1'-2 1/2"	2'-1 1/16"	2'-2 3/8"	89 SPA. @ 1'-0"	2'-2 3/8"	2'-5 1/4"	99 SPA. @ 1'-1 1/2"	2'-5 1/4"	2'-8 9/16"	92 SPA. @ 1'-1 1/2"	9 1/2"	20 SPA. @ 11"
3	38 SPA. @ 11"	8"	69 SPA. @ 1'-1 1/2"	2'-9 5/16"	2'-2"	89 SPA. @ 1'-2 1/2"	1'-11 3/16"	2'-3 1/4"	86 SPA. @ 1'-0 1/2"	2'-3 1/4"	2'-3 3/8"	100 SPA. @ 1'-1 1/2"	2'-3 3/8"	2'-9 1/2"	93 SPA. @ 1'-1 1/2"	7"	20 SPA. @ 11"
4	45 SPA. @ 9"	10"	74 SPA. @ 1'-1"	2'-0 5/8"	2'-0"	100 SPA. @ 1'-1"	2'-2"	1'-11 1/16"	91 SPA. @ 1'-0"	1'-11 1/16"	2'-1 9/16"	109 SPA. @ 1'-0 1/2"	2'-4 9/16"	2'-4 7/8"	78 SPA. @ 1'-1 1/2"	6"	44 SPA. @ 10"

**GIRDER DIMENSIONS**

GIRDER	C RADIUS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U
1	1538'-0"	166'-10 1/16"	207'-0 7/16"	182'-6 3/16"	114'-1 1/8"	52'-8 5/16"	57'-2 3/16"	92'-8 1/16"	57'-2 3/16"	58'-2"	124'-4 3/16"	33'-9 3/4"	20'-3 3/8"	32'-8 5/16"	35'-2 3/16"	35'-2 3/16"	36'-2"	19'-2 3/4"	36'-1 1/16"	109'-11 1/8"	115'-4 3/16"
2	1550'-0"	168'-1 7/8"	208'-7 7/8"	183'-11 9/16"	115'-0"	53'-1 1/8"	57'-7 9/16"	93'-4 3/4"	57'-7 9/16"	58'-7 7/16"	125'-4 1/8"	34'-3 3/8"	20'-8 1/8"	33'-1 7/8"	35'-7 9/16"	35'-7 9/16"	36'-7 7/16"	19'-7 13/16"	36'-8 5/16"	110'-9 7/16"	116'-3"
3	1562'-0"	169'-5 5/8"	210'-3 1/4"	185'-4 7/8"	115'-10 3/16"	53'-6 13/16"	58'-0 7/8"	94'-1 1/2"	58'-0 7/8"	59'-0 15/16"	126'-3 15/16"	34'-10"	21'-0 13/16"	33'-6 13/16"	36'-0 7/8"	36'-0 7/8"	37'-0 15/16"	20'-0 13/16"	37'-3 3/8"	111'-7 11/16"	117'-1 13/16"
4	1574'-0"	170'-9 7/16"	211'-10 5/8"	186'-10 1/4"	116'-9 11/16"	53'-11 3/4"	58'-6 1/4"	94'-10 1/8"	58'-6 1/4"	59'-6 3/8"	127'-3 7/8"	35'-4 3/16"	21'-5 1/2"	33'-11 3/4"	36'-6 1/4"	36'-6 1/4"	37'-6 3/8"	20'-5 7/8"	37'-10"	112'-6"	118'-0 5/8"

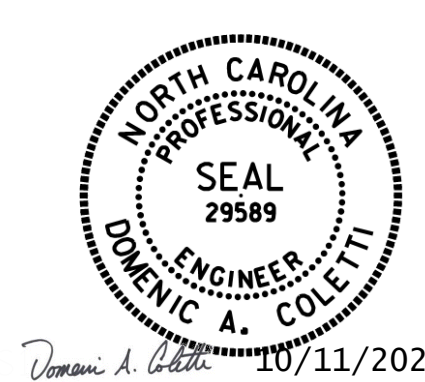
**LIMITS OF TENSION FLANGES FOR CHARPY V-NOTCH TESTS**

GIRDER	T1	T2	T3	T4	T5	T6	T7	T8
1	68' - 0"	75' - 0"	79' - 0"	67' - 0"	35' - 0"	39' - 0"	41' - 0"	36' - 0"
2	63' - 0"	70' - 0"	76' - 0"	62' - 0"	36' - 0"	40' - 0"	43' - 0"	38' - 0"
3	64' - 0"	74' - 0"	80' - 0"	64' - 0"	35' - 0"	41' - 0"	45' - 0"	36' - 0"
4	67' - 0"	81' - 0"	89' - 0"	66' - 0"	34' - 0"	41' - 0"	44' - 0"	36' - 0"

**GIRDER FLANGE WIDTHS**

GIRDER	FLANGE	W1	W2	W3	W4	W5
1, 2 & 3	TOP	22"	26"	20"	28"	26"
	BOTTOM	24"	32"	24"	34"	30"
4	TOP	24"	28"	20"	32"	30"
	BOTTOM	28"	32"	28"	36"	36"

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



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUPERSTRUCTURE GIRDER DETAILS  
 UNIT 2**

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1	--	--	3	--	--
2	--	--	4	--	--

SHEET NO. S05-033  
 TOTAL SHEETS 116

DES BY: A. MILLER DATE: 09/19 DWG BY: B. PETERSON DATE: 07/19  
 DES CHK: M. NEIHEISEL DATE: 09/19 CHK BY: D. OLDS DATE: 10/19



10/11/2021  
 DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

PLOT DRIVER: NCDOT... DATE: 10/17/2021  
 USER: PPETERSO  
 FILE: ... \SUPERS