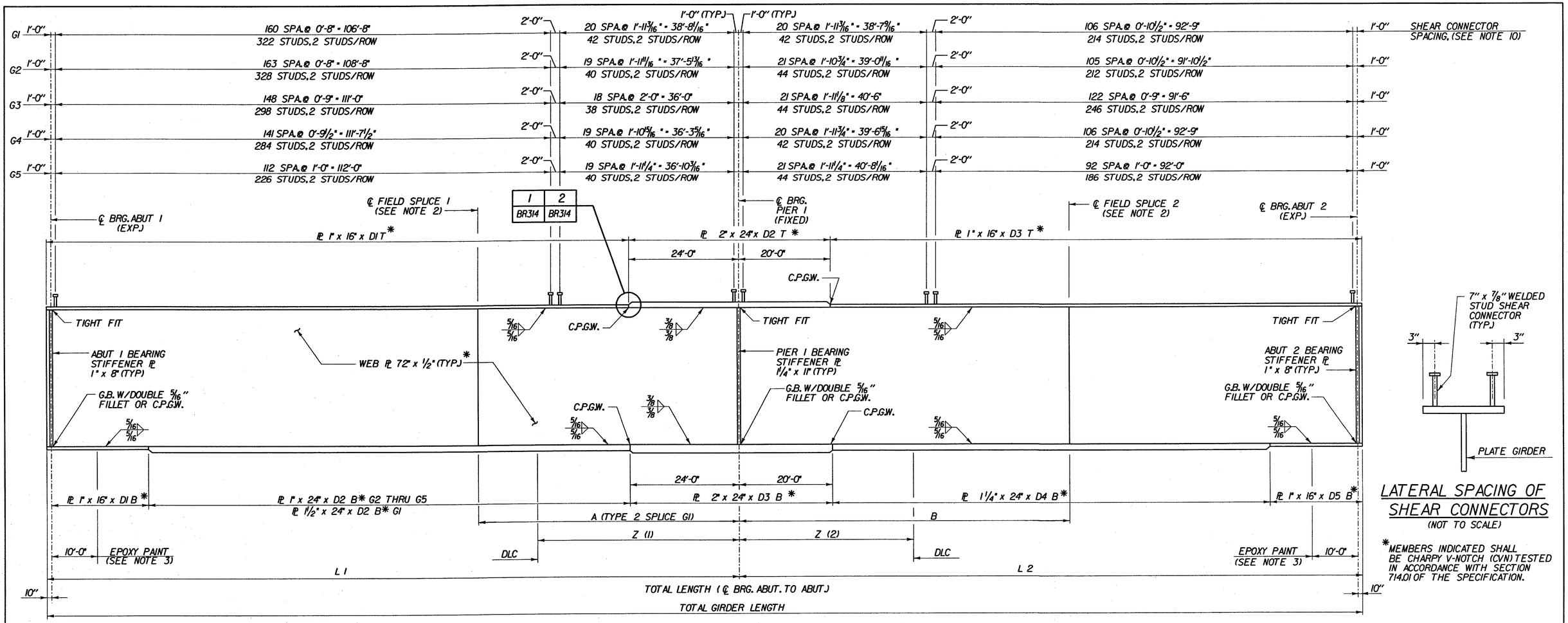

GIRDER ELEVATION - BR 25A

(NOT TO SCALE)

LATERAL SPACING OF SHEAR CONNECTORS

(NOT TO SCALE)

*MEMBERS INDICATED SHALL BE CHARPY V-NOTCH (CVN) TESTED IN ACCORDANCE WITH SECTION 714.01 OF THE SPECIFICATION.

BR 25A

GIRDER	RADIUS	SPAN LENGTHS (ALONG ARC) FT-IN L 1	SPAN LENGTHS (ALONG ARC) FT-IN L 2	TOTAL SPAN LENGTH	GIRDER	SPLICE 1 "A"	SPLICE 1 TYPE	SPLICE 2 "B"	SPLICE 2 TYPE	GIRDER	POINT OF DEAD LOAD CONTRAFLECTURE Z (1)	Z (2)
G1	782.44	150'-2 1/16"	136'-2 9/16"	286'-4 5/8"	G1	41'-10 1/16"	2	44'-7 7/8"	1	G1	43'-2"	43'-11"
G2	773.19	150'-11 3/16"	136'-6 3/16"	287'-6"	G2	40'-6 1/2"	1	44'-8 3/4"	1	G2	42'-1"	44'-11"
G3	763.94	151'-10"	136'-10"	288'-8"	G3	35'-1"	1	49'-2 1/4"	1	G3	41'-1"	45'-9"
G4	754.69	152'-8 13/16"	137'-1 5/16"	289'-10 3/4"	G4	43'-5 1/4"	1	39'-9 1/4"	1	G4	41'-4"	47'-7"
G5	745.44'	153'-8 3/16"	137'-6 1/16"	291'-2 1/4"	G5	41'-11 7/16"	1	40'-7 3/4"	1	G5	41'-11"	45'-10"

GIRDER	TOP FLANGE SECTION LENGTHS (ALONG ARC) D1 T	D2 T	D3 T	GIRDER	BOTTOM FLANGE SECTION LENGTHS (ALONG ARC) D1 B	D2 B	D3 B	D4 B	D5 B
G1	126'-2 1/16"	44'-0"	116'-2 9/16"	G1	22'-10"	103'-4 1/16"	44'-0"	95'-4 9/16"	20'-10"
G2	126'-11 3/16"	44'-0"	116'-6 3/16"	G2	22'-10"	104'-1 3/16"	44'-0"	95'-8 3/16"	20'-10"
G3	127'-10"	44'-0"	116'-10"	G3	22'-10"	105'-0"	44'-0"	96'-0"	20'-10"
G4	128'-8 13/16"	44'-0"	117'-1 5/16"	G4	22'-10"	105'-10 3/16"	44'-0"	96'-3 5/16"	20'-10"
G5	129'-8 3/16"	44'-0"	117'-6 1/16"	G5	22'-10"	106'-10 3/16"	44'-0"	96'-8 1/16"	20'-10"

NOTES:

1. ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GR 50W UNLESS OTHERWISE NOTED.
2. FOR FIELD SPLICE DETAILS, SEE TYPICAL GIRDER SPLICE DETAILS, BRIDGE SHEET BR315 AND BR315A.
3. ALL STRUCTURAL STEEL WITHIN 10 FEET OF END OF GIRDER SHALL BE COATED WITH A PROTECTIVE PAINT SYSTEM, WITH THE FINAL COAT TO BE DARK BROWN (COLOR CHIP #20059) TO BLEND WITH THE WEATHERING STEEL. THE COST OF PAINTING SHALL BE PAID UNDER ITEM 513.25, "STRUCTURAL PAINTING SHOP APPLIED". IN ADDITION A GREASE COATING SHALL BE APPLIED TO PAINTED AREAS, THE COLOR SHALL MATCH THE COLOR OF THE FINAL PAINT COAT, AS PER SUPPLEMENTARY SPECIFICATION 513.06.
4. ALL BEARING STIFFENER PLATES SHALL BE VERTICAL IN THEIR FINAL ERECTED POSITION.
5. ENDS OF GIRDERS SHALL BE FABRICATED SO THAT THE ENDS WILL BE VERTICAL UNDER FULL DEAD LOAD.
6. IN AREAS OF UNPAINTED STEEL, CONTACT SURFACES OF BOLTED CONNECTIONS SHALL BE BLAST CLEANED IF RUSTED BEFORE CONNECTION IS MADE. IN AREAS OF PAINTED STEEL, PRIMER SHALL REMAIN ON THE SURFACES OF STEEL CONNECTION CONTACTS.
7. FOR CROSSFRAME DETAILS, SEE SHEET BR316 AND BR317.
8. TOP OF STUDS SHALL EXTEND ABOVE BOTTOM LAYER OF DECK REINFORCEMENT.
9. BUTT WELDED FLANGE PLATES SHALL BE OFFSET 5'-0" FROM BUTT WELDED WEB PLATES.
10. NUMBER OF STUDS SPECIFIED. ACTUAL SPACING VARIES ±1/4".
11. GIRDER SPLICES ARE TYPE 1 U.O.N.

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STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of SEARSBURG	Bridge No. 25A
	Log Sta.
Highway No. VT. RTE. 9	Surv. Sta.
VT. RTE. 9 OVER DEERFIELD RIVER	
GIRDER ELEAVATION - BR 25A	
Designed By D. VIENI	Drawn by J. LAGONE/K. DETRICK
Checked By M. OLSTAD Date 12/2001	Bridge Design Supervisor M. OLSTAD Date 12/2001
PROJECT SEARSBURG - WILMINGTON	PROJECT NO. NHF 010-K(18)
I.G.C. Info.	
Bridge Sheet No. BR312	Sheet 176 OF 435

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