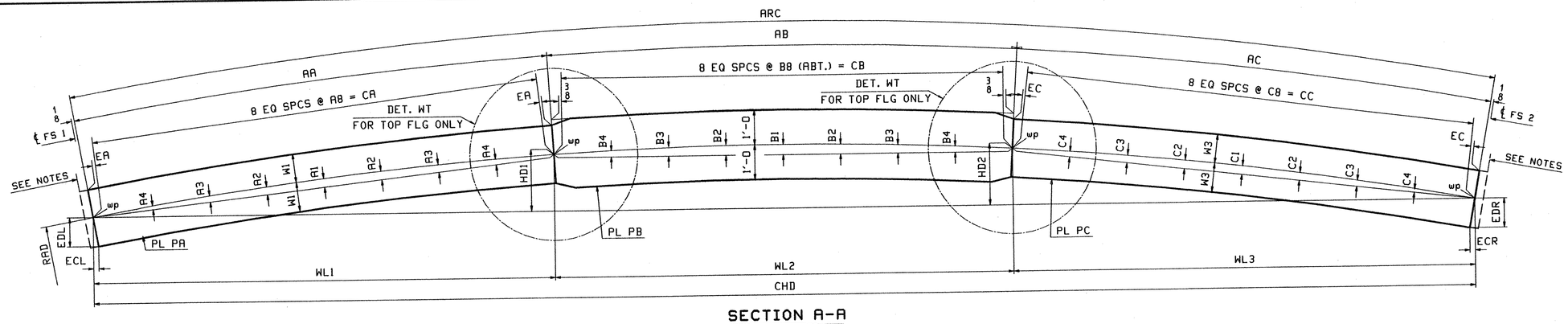


SECTION A-A

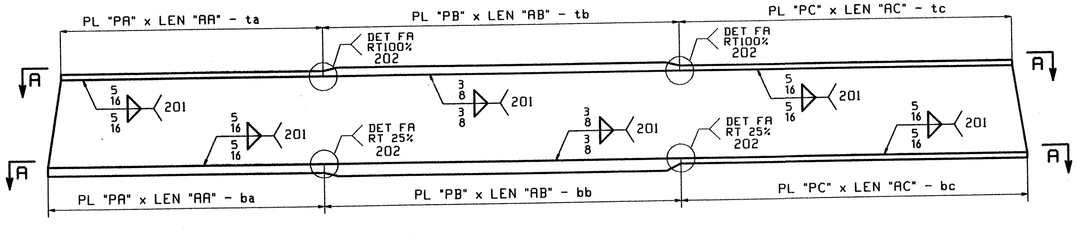
LOCATION	RAD	ARC	CHD	AA	AB	AC	EA	A1	A2	A3	A4	A8	CA	B1	B2	B3	B4	B8	CB	EC	C1	C2	C3	C4	C8	CC	ECL	ECR	EDL	EDR	WL1	WL2	WL3	HD1	HD2	W1	W3
G1B TOP FLG	782.44	86'-5 1/16	86'-4 9/16	15'-10 3/16	46'-0	24'-6 7/8	1/16	1/2	7/16	3/8	3/16	1'-11 3/4	15'-10 3/16	4 1/16	3 13/16	3 1/16	1 3/4	5'-9	45'-11 15/16	1/8	1 3/16	1 1/16	7/8	1/2	3'-0 7/8	24'-6 13/16	7/16	7/16	8	8	15'-10	45'-11 15/16	24'-6 5/8	8 9/16	11 5/8	8	8
G1B BTM FLG	782.44	86'-6	86'-5 1/2	15'-10 1/16	46'-0	24'-7 15/16	1/8	1/2	7/16	3/8	3/16	1'-11 3/4	15'-10 1/16	4 1/16	3 13/16	3 1/16	1 3/4	5'-9	45'-11 15/16	3/16	1 3/16	1 1/16	7/8	1/2	3'-1	24'-7 7/8	11/16	11/16	1'-0	1'-0	15'-9 7/8	45'-11 15/16	24'-7 11/16	8 9/16	11 11/16	1'-0	1'-0
G2B TOP FLG	773.19	85'-2 3/8	85'-1 7/8	14'-6 5/8	46'-0	24'-7 3/4	1/16	7/16	3/8	5/16	3/16	1'-9 13/16	14'-6 5/8	4 1/8	3 7/8	3 1/16	1 13/16	5'-9	45'-11 15/16	1/8	1 3/16	1 1/8	7/8	1/2	3'-0 15/16	24'-7 3/4	7/16	7/16	8	8	14'-6 7/16	45'-11 15/16	24'-7 1/2	8	11 9/16	8	8
G2B BTM FLG	773.19	85'-3 1/4	85'-2 3/4	14'-6 1/2	46'-0	24'-8 3/4	1/8	7/16	3/8	5/16	3/16	1'-9 13/16	14'-6 1/2	4 1/8	3 7/8	3 1/16	1 13/16	5'-9	45'-11 15/16	3/16	1 3/16	1 1/8	7/8	1/2	3'-1 1/16	24'-8 11/16	11/16	11/16	1'-0	1'-0	14'-6 5/16	45'-11 15/16	24'-8 1/2	8	11 5/8	1'-0	1'-0
G3B TOP FLG	763.94	84'-2 7/16	84'-1 15/16	9'-1 1/8	46'-0	29'-1 5/16	1/16	3/16	1/8	1/8	1/16	1'-1 5/8	9'-1 1/8	4 1/8	3 7/8	3 1/8	1 13/16	5'-9	45'-11 15/16	1/8	1 11/16	1 9/16	1 1/4	3/4	3'-7 11/16	29'-1 1/4	7/16	7/16	8	8	9'-1	45'-11 7/8	29'-1 1/16	5 3/8	1'-0 9/16	8	8
G3B BTM FLG	763.94	84'-3 5/16	84'-2 13/16	9'-1	46'-0	29'-2 5/16	1/16	3/16	1/8	1/8	1/16	1'-1 5/8	9'-1	4 1/8	3 7/8	3 1/8	1 13/16	5'-9	45'-11 15/16	1/4	1 11/16	1 9/16	1 1/4	3/4	3'-7 13/16	29'-2 1/4	11/16	11/16	1'-0	1'-0	9'-0 7/8	45'-11 7/8	29'-2 1/16	5 3/8	1'-0 5/8	1'-0	1'-0
G4B TOP FLG	754.69	83'-1 5/8	83'-1 1/8	17'-5 7/16	47'-0	18'-8 3/16	1/16	5/8	9/16	7/16	1/4	2'-2 3/16	17'-5 7/16	4 3/8	4 1/8	3 5/16	1 15/16	5'-10 1/2	46'-11 15/16	1/8	11/16	5/8	1/2	5/16	2'-4	18'-8 3/16	7/16	7/16	8	8	17'-5 1/4	46'-11 15/16	18'-7 15/16	9 1/8	9 9/16	8	8
G4B BTM FLG	754.69	83'-2 9/16	83'-2 1/16	17'-5 5/16	47'-0	18'-9 1/4	1/8	5/8	9/16	7/16	1/4	2'-2 3/16	17'-5 5/16	4 3/8	4 1/8	3 5/16	1 15/16	5'-10 1/2	46'-11 15/16	1/8	11/16	11/16	1/2	5/16	2'-4 1/8	18'-9 1/4	11/16	11/16	1'-0	1'-0	17'-5 1/8	46'-11 15/16	18'-9	9 1/8	9 5/8	1'-0	1'-0
G5B TOP FLG	745.44	82'-6 3/8	82'-5 7/8	15'-11 5/8	46'-0	20'-6 3/4	1/16	1/2	1/2	3/8	1/4	1'-11 15/16	15'-11 5/8	4 1/4	4	3 3/16	1 7/8	5'-9	45'-11 15/16	1/8	7/8	13/16	5/8	3/8	2'-6 13/16	20'-6 3/4	7/16	7/16	8	8	15'-11 7/16	45'-11 15/16	20'-6 1/2	8 9/16	10 1/4	8	8
G5B BTM FLG	745.44	82'-7 1/4	82'-6 3/4	15'-11 7/16	46'-0	20'-7 13/16	1/8	1/2	1/2	3/8	1/4	1'-11 15/16	15'-11 7/16	4 1/4	4	3 3/16	1 7/8	5'-9	45'-11 15/16	3/16	7/8	13/16	5/8	3/8	2'-7	20'-7 13/16	11/16	11/16	1'-0	1'-0	15'-11 1/4	45'-11 15/16	20'-7 9/16	8 9/16	10 5/16	1'-0	1'-0

LOCATION	PL PA (M270-50WT2)	PL PB (M270-50WT2)	PL PC (M270-50WT2)
G1B TOP FLG	PL 1 x 16 -ta (H2-3) (4/Q)	PL 2 x 24 -tb (H2-3) (1/A)	PL 1 x 16 -tc (H2-3) (4/A)
G1B BTM FLG	PL 1 1/2 x 24 -ba (H2-3) (1/E)	PL 2 x 24 -bb (H2-3) (1/A)	PL 1 1/4 x 24 -bc (H2-3) (1/W)
G2B TOP FLG	PL 1 x 16 -ta (H2-3) (4/S)	PL 2 x 24 -tb (H2-3) (1/A)	PL 1 x 16 -tc (H2-3) (4/A)
G2B BTM FLG	PL 1 x 24 -ba (H2-3) (2/U)	PL 2 x 24 -bb (H2-3) (1/A)	PL 1 1/4 x 24 -bc (H2-3) (1/W)
G3B TOP FLG	PL 1 x 16 -ta (H2-3) (4/U)	PL 2 x 24 -tb (H2-3) (1/A)	PL 1 x 16 -tc (H2-3) (3/Y)
G3B BTM FLG	PL 1 x 24 -ba (H2-3) (2/W)	PL 2 x 24 -bb (H2-3) (1/A)	PL 1 1/4 x 24 -bc (H2-3) (1/U)
G4B TOP FLG	PL 1 x 16 -ta (H2-3) (4/N)	PL 2 x 24 -tb (H2-3) (1/B)	PL 1 x 16 -tc (H2-3) (4/J)
G4B BTM FLG	PL 1 x 24 -ba (H2-3) (2/L)	PL 2 x 24 -bb (H2-3) (1/B)	PL 1 1/4 x 24 -bc (H2-3) (2/A)
G5B TOP FLG	PL 1 x 16 -ta (H2-3) (4/Q)	PL 2 x 24 -tb (H2-3) (1/A)	PL 1 x 16 -tc (H2-3) (4/G)
G5B BTM FLG	PL 1 x 24 -ba (H2-3) (2/Q)	PL 2 x 24 -bb (H2-3) (1/A)	PL 1 1/4 x 24 -bc (H2-3) (1/Y)

NOTES:

1. FOR GENERAL NOTES, WELD DETAIL FA AND WIDTH TRANSITION DETAIL WT SEE SHT. GN1.
2. TRIM FLANGES AFTER WELDING TO WEB.
3. H2-3 DENOTES MATERIAL SUBJECT TO CHARPY V-NOTCH TEST AT H FREQ. FOR ZONE 2 OF 15lbs @ 40 °F

RECEIVED
CK'D BY DV OK'D BY
SEP 09 2002
RESUBMIT APPROVED ✓
BY RRW DATE 9-27-02



FLANGE DIAGRAM FOR G1B, G2B, G3B, G4B & G5B

OUT FOR APPROVAL	9-9-02									
OUT FOR APPROVAL										
ISSUED TO SHOP										
FIELD & OFFICE										
REV.	REMARKS	DATE	DWN	CHK	APP	Q.A.	NO.	DIA.	LGT	TYPE	WASHER

MATERIAL: M270-50W
ELECTRODES:
HOLES: 15/16"ø (UN)
SHOP BOLTS: 7/8"ø A325-3

SURFACE PREP. & PAINT:
-STEEL WITHIN 10'-0 ENDS OF GIRDERS SHALL BE PAINTED (SEE GN1)
-ALL OTHER STEEL SHALL BE BLAST CLEANED AND LEFT UNPAINTED.

DESCRIPTION: FLANGE DIAGRAM
JOB: VT RTE 9 OVER THE DEERFIELD RIVER
BRIDGE NO. 25A
SEARSBURG, VERMONT
CONTRACTOR: J.A. McDONALD
TENSOR 2242
PROJ NO. PROJ. NHF 010-1(18)
CUSTOMER: VERMONT AGENCY OF TRANSPORTATION

DRAWN BY	AB	DATE 07/23
CHKD BY		
DO		07/31
APPROV BY		
SUPERVISOR	M. J. GAITI	
Q.A.		
JOB NO.	166	DRG. NO. F3
REV.	△	

CASCO BAY STEEL STRUCTURES, INC.
75 SPRING HILL ROAD SACO, MAINE 04072
PHONE (207) 282-7360 FAX. (207) 282-1179

646-BR25A-F3