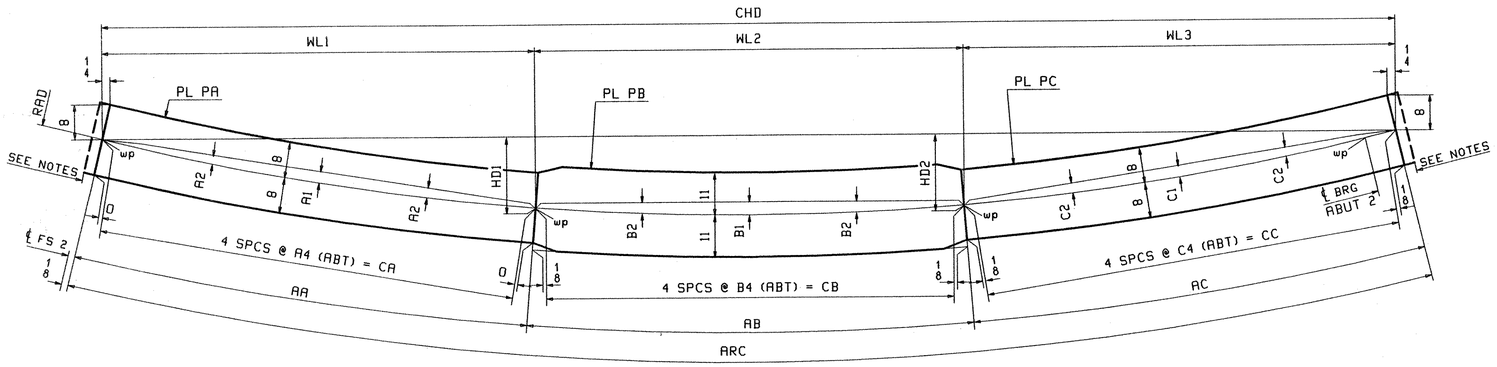
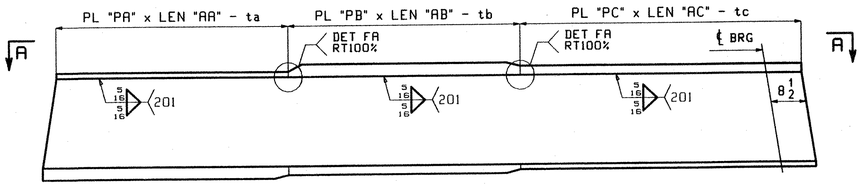


SECTION A-A

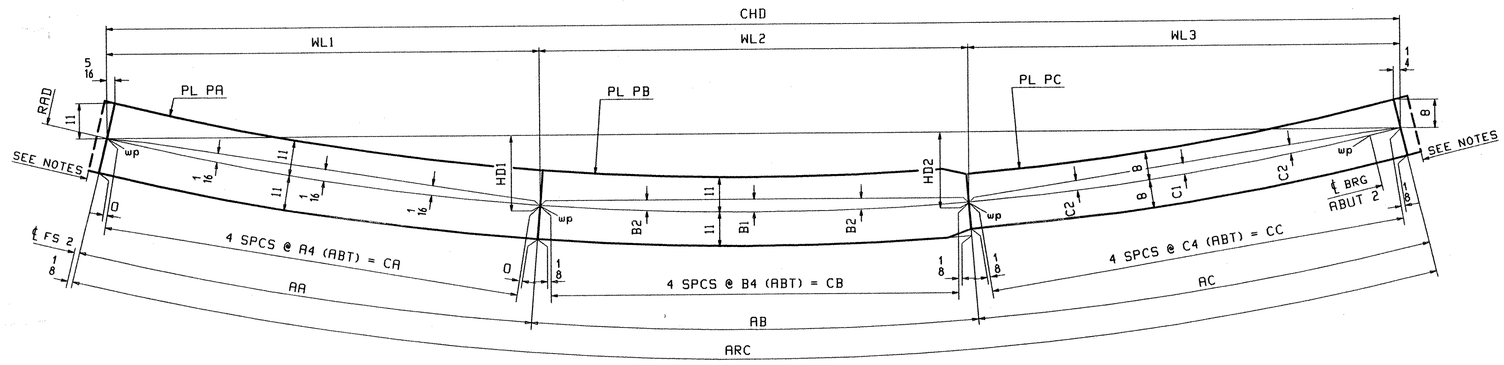
LOCATION	RAD	ARC	CHD	AA	AB	AC	A1	A2	A4	CA	B1	B2	B4	CB	C1	C2	C4	CC	WL1	WL2	WL3	HD1	HD2
G1C TOP FLG	1254.74	75′-0 7/16	75′-0 5/16	7′-10 7/8	25′-0 1/16	42′-1 1/2	1/16	1/16	1′-11 3/4	7′-10 7/8	3/4	9/16	6′-3	25′-0 1/16	2 1/8	1 9/16	10′-6 3/8	42′-1 1/2	7′-10 7/8	25′-0	42′-1 7/16	2 9/16	6 5/8
G2C TOP FLG	1263.99	75′-7 15/16	75′-7 13/16	7′-3 7/8	26′-6 1/16	41′-10	1/16	1/16	1′-10	7′-3 7/8	13/16	5/8	6′-7 1/2	26′-6 1/16	2 1/16	1 9/16	10′-5 1/2	41′-10	7′-3 7/8	26′-6	41′-9 15/16	2 3/8	6 11/16
G3C TOP FLG	1273.24	81′-7 9/16	81′-7 3/8	16′-0 7/8	24′-0 1/16	41′-6 5/8	5/16	1/4	4′-0 1/4	16′-0 7/8	11/16	1/2	6′-0	24′-0 1/16	2 1/16	1 1/2	10′-4 5/8	41′-6 9/16	16′-0 7/8	24′-0	41′-6 1/2	4 15/16	7 13/16
G4C TOP FLG	1282.49	76′-9 3/16	76′-9 1/16	11′-5 7/8	24′-0 1/16	41′-3 1/4	1/8	1/8	2′-10 1/2	11′-5 7/8	11/16	1/2	6′-0	24′-0 1/16	2	1 1/2	10′-3 13/16	41′-3 1/4	11′-5 7/8	24′-0	41′-3 3/16	3 1/2	6 7/8
G5C TOP FLG	1291.74	73′-3 1/16	73′-2 15/16	8′-2 7/8	26′-6 1/16	38′-6 1/8	1/16	1/16	2′-0 3/4	8′-2 7/8	13/16	5/8	6′-7 1/2	26′-6 1/16	1 3/4	1 5/16	9′-7 1/2	38′-6 1/8	8′-2 7/8	26′-6	38′-6 1/16	2 1/2	6 3/16

LOCATION	PL PA (M270-50WT2)	PL PB (M270-50WT2)	PL PC (M270-50WT2)
G1C TOP FLG	PL 7/8 x 16 -ta (H2-3) (4/U)	PL 1 1/4 x 22 -tb (H2-3) (2/Q)	PL 1 x 16 -tc (H2-3) (3/E)
G2C TOP FLG	PL 7/8 x 16 -ta (H2-3) (4/W)	PL 1 1/4 x 22 -tb (H2-3) (2/N)	PL 1 x 16 -tc (H2-3) (3/G)
G3C TOP FLG	PL 7/8 x 16 -ta (H2-3) (4/G)	PL 1 1/4 x 22 -tb (H2-3) (2/S)	PL 1 x 16 -tc (H2-3) (3/J)
G4C TOP FLG	PL 7/8 x 16 -ta (H2-3) (4/N)	PL 1 1/4 x 22 -tb (H2-3) (2/S)	PL 1 x 16 -tc (H2-3) (3/L)
G5C TOP FLG	PL 7/8 x 16 -ta (H2-3) (4/S)	PL 1 1/4 x 22 -tb (H2-3) (2/N)	PL 1 x 16 -tc (H2-3) (3/N)



FLANGE DIAGRAM FOR G1C THRU G5C

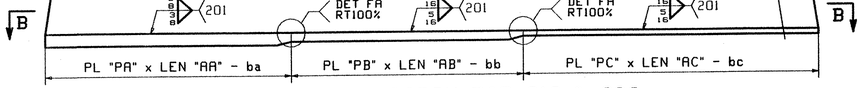
(TOP FLG ONLY)



SECTION B-B

LOCATION	RAD	ARC	CHD	AA	AB	AC	A4	CA	B1	B2	B4	CB	C1	C2	C4	CC	WL1	WL2	WL3	HD1	HD2
G1C BTM FLG	1254.74	75′-1 11/16	75′-1 9/16	7′-10 7/8	25′-0 1/16	42′-2 3/4	1′-11 3/4	7′-10 7/8	3/4	9/16	6′-3	25′-0 1/16	2 1/8	1 5/8	10′-6 11/16	42′-2 3/4	7′-10 7/8	25′-0	42′-2 11/16	2 9/16	6 5/8
G2C BTM FLG	1263.99	75′-9 1/8	75′-9	7′-3 7/8	26′-6 1/16	41′-11 3/16	1′-10	7′-3 7/8	13/16	5/8	6′-7 1/2	26′-6 1/16	2 1/16	1 9/16	10′-5 13/16	41′-11 3/16	7′-3 7/8	26′-6	41′-11 1/8	2 3/8	6 3/4

LOCATION	PL PA (M270-50WT2)	PL PB (M270-50WT2)	PL PC (M270-50WT2)
G1C BTM FLG	PL 1 1/2 x 22 -ba (H2-3) (1/N)	PL 1 1/4 x 22 -bb (H2-3) (2/Q)	PL 1 x 16 -bc (H2-3) (3/E)
G2C BTM FLG	PL 1 1/2 x 22 -ba (H2-3) (1/Q)	PL 1 1/4 x 22 -bb (H2-3) (2/N)	PL 1 x 16 -bc (H2-3) (3/G)



FLANGE DIAGRAM FOR G1C & G2C

(BTM FLG ONLY)

NOTES:

1. FOR GENERAL NOTES, WELD DETAIL FA & FLG WIDTH TRANSITION 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 15ft-lbs @ 40 °F

REV.	REMARKS	DATE	DWN	CHK	APP	Q.A.	NO.	DIA.	LGT	TYPE	WASHER
	OUT FOR APPROVAL	8-26-02									
	OUT FOR APPROVAL										
	ISSUED TO SHOP										
	FIELD & OFFICE										

RECEIVED
CK'D BY DV OK'D BY
AUG 26 2002
RESUBMIT APPROVED
BY RRW DATE 9-17-02

MATERIAL:	ELECTRODES:	HOLES:	SHOP BOLTS:
M270-50W			

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 "C" GIRDERS

JOB: VT RTE 9 OVER THE DEERFIELD RIVER
BRIDGE NO. 25
SEARSBURG, VERMONT
CONTRACTOR: J.A. McDONALD

PROJ NO. PROJ. NHF 010-1(18)

CUSTOMER: VERMONT AGENCY OF TRANSPORTATION

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

DRAWN BY	DATE
ATD	07/31
CHKD BY	
DO	08/09
APPROV BY	
SUPERVISOR	W. J. GATTI
Q.A.	
JOB NO.	DRG. NO.
165	F3
REV.	△

609 BR75-F3

Mon Aug 12 07:38:05 EDT 2002 /users/jobs/2241/f3 rev0
DO