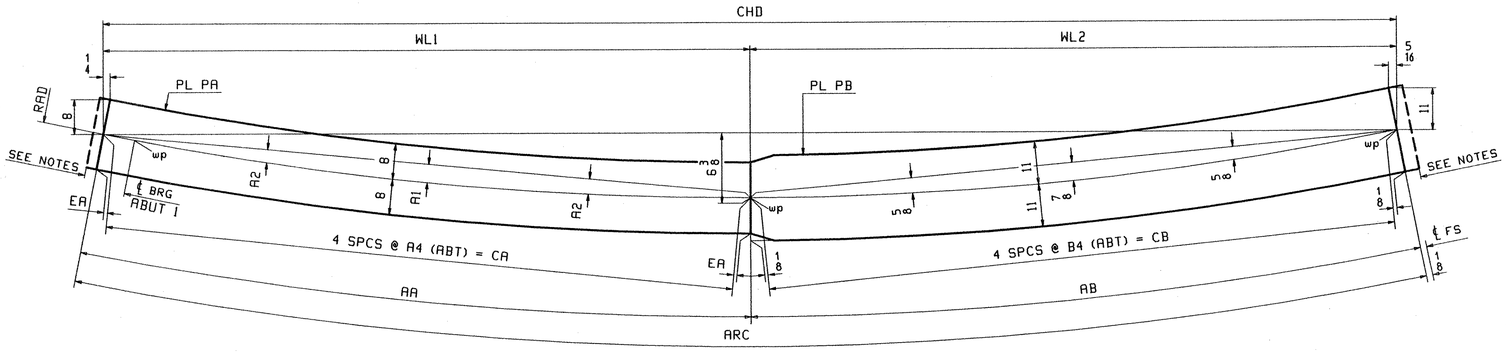
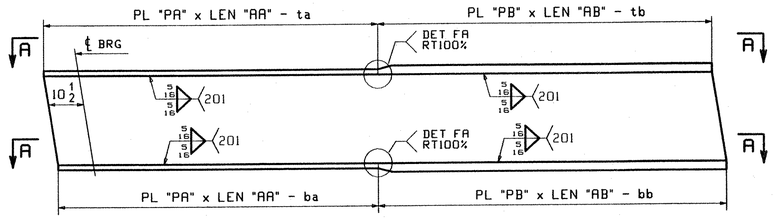


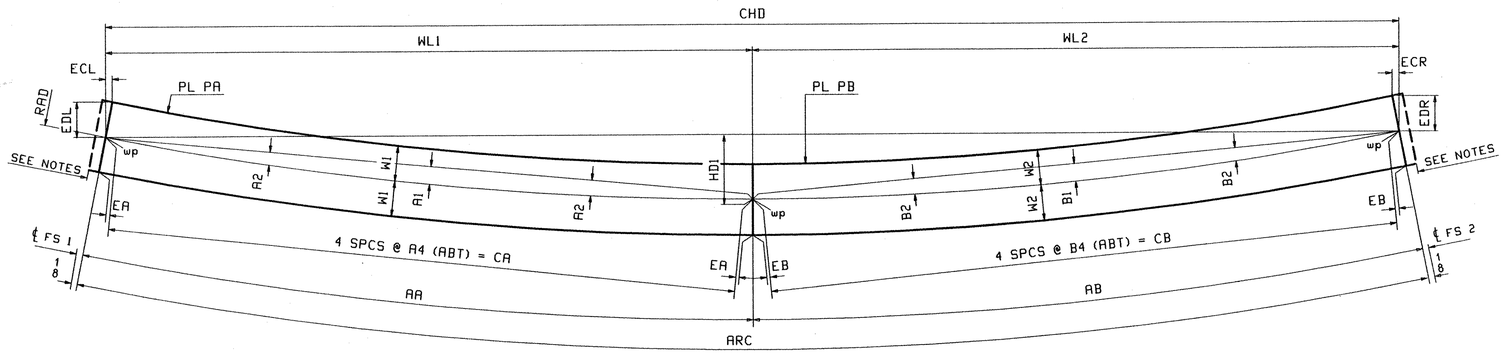
SECTION A-A

LOCATION	RAD	ARC	CHD	AA	AB	EA	A1	A2	A4	CA	B4	CB	WL1	WL2	PL PA (M270-50WT2)	PL PB (M270-50WT2)
G4A TOP FLG	1282.49	77'-8 1/16	77'-7 15/16	50'-8 1/8	26'-11 15/16	3/16	3	2 1/4	12'-8	50'-8 1/8	6'-9	26'-11 7/8	50'-8 1/16	26'-11 7/8	PL 1 x 16 -ta (H2-3) (3/A)	PL 1 1/4 x 22 -tb (H2-3) (2/L)
G4A BTM FLG	1282.49	77'-7 3/4	77'-7 5/8	50'-7 13/16	26'-11 15/16	3/16	3	2 1/4	12'-7 15/16	50'-7 13/16	6'-9	26'-11 7/8	50'-7 3/4	26'-11 7/8	PL 1 x 16 -ba (H2-3) (3/A)	PL 1 1/4 x 22 -bb (H2-3) (2/L)
G5A TOP FLG	1291.74	77'-6 1/2	77'-6 3/8	50'-1 9/16	27'-4 15/16	1/8	2 15/16	2 3/16	12'-6 3/8	50'-1 9/16	6'-10 1/4	27'-4 7/8	50'-1 1/2	27'-4 7/8	PL 1 x 16 -ta (H2-3) (3/C)	PL 1 1/4 x 22 -tb (H2-3) (2/J)
G5A BTM FLG	1291.74	77'-6 5/16	77'-6 3/16	50'-1 3/8	27'-4 15/16	1/8	2 15/16	2 3/16	12'-6 5/16	50'-1 3/8	6'-10 1/4	27'-4 7/8	50'-1 5/16	27'-4 7/8	PL 1 x 16 -ba (H2-3) (3/C)	PL 1 1/4 x 22 -bb (H2-3) (2/J)



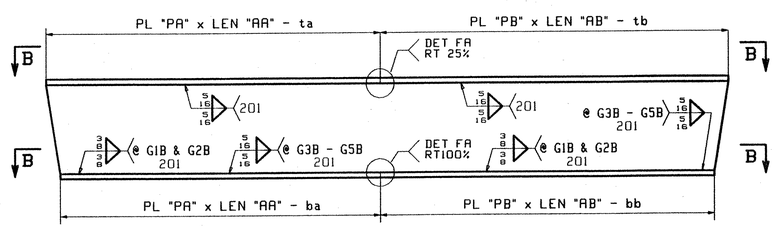
FLANGE DIAGRAM FOR G4A & G5A

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 15lbs @ 40 °F



SECTION B-B

LOCATION	RAD	ARC	CHD	AA	AB	EA	A1	A2	A4	CA	EB	B1	B2	B4	CB	ECL	ECR	EDL	EDR	WL1	WL2	HD1	W1	W2	PL PA (M270-50WT2)	PL PB (M270-50WT2)
G1B TOP FLG	1254.74	78'-6 1/4	78'-6 1/8	38'-7 15/16	39'-10 5/16	1/8	1 13/16	1 5/16	9'-8	38'-7 15/16	1/8	1 7/8	1 7/16	9'-11 9/16	39'-10 5/16	1/4	1/4	8	8	38'-7 7/8	39'-10 1/4	7 3/8	8	8	PL 7/8 x 16 -ta (H2-3) (4/A)	PL 7/8 x 16 -tb (H2-3) (3/W)
G1B BTM FLG	1254.74	78'-5 3/8	78'-5 1/4	38'-7 15/16	39'-9 7/16	3/16	1 13/16	1 5/16	9'-8	38'-7 15/16	3/16	1 7/8	1 7/16	9'-11 3/8	39'-9 7/16	5/16	5/16	11	11	38'-7 7/8	39'-9 3/8	7 3/8	11	11	PL 1 1/2 x 22 -ba (H2-3) (1/G)	PL 1 1/2 x 22 -bb (H2-3) (1/C)
G2B TOP FLG	1263.99	81'-6 1/16	81'-5 7/8	38'-11 15/16	42'-6 1/8	1/8	1 13/16	1 3/8	9'-9	38'-11 15/16	1/8	2 1/8	1 5/8	10'-7 1/2	42'-6 1/8	1/4	1/4	8	8	38'-11 13/16	42'-6 1/16	7 7/8	8	8	PL 7/8 x 16 -ta (H2-3) (3/Y)	PL 7/8 x 16 -tb (H2-3) (3/U)
G2B BTM FLG	1263.99	81'-5 5/16	81'-5 1/8	38'-11 15/16	42'-5 3/8	3/16	1 13/16	1 3/8	9'-9	38'-11 15/16	3/16	2 1/8	1 5/8	10'-7 5/16	42'-5 3/8	3/8	3/8	11	11	38'-11 13/16	42'-5 5/16	7 7/8	11	11	PL 1 1/2 x 22 -ba (H2-3) (1/E)	PL 1 1/2 x 22 -bb (H2-3) (1/A)
G3B TOP FLG	1273.24	71'-1 3/8	71'-1 1/4	38'-11 15/16	32'-1 7/16	1/8	1 13/16	1 5/16	9'-9	38'-11 15/16	1/8	1 3/16	15/16	8'-0 3/8	32'-1 7/16	1/4	1/4	8	8	38'-11 7/8	32'-1 3/8	5 7/8	8	8	PL 7/8 x 16 -ta (H2-3) (3/Y)	PL 7/8 x 16 -tb (H2-3) (4/E)
G3B BTM FLG	1273.24	71'-0 5/8	71'-0 1/2	38'-11 15/16	32'-0 11/16	3/16	1 13/16	1 5/16	9'-9	38'-11 15/16	1/8	1 3/16	15/16	8'-0 3/16	32'-0 11/16	5/16	5/16	11	11	38'-11 7/8	32'-0 5/8	5 7/8	11	11	PL 1 1/4 x 22 -ba (H2-3) (1/Y)	PL 1 1/4 x 22 -bb (H2-3) (2/G)
G4B TOP FLG	1282.49	84'-8 3/16	84'-8	38'-11 15/16	45'-8 1/4	1/8	1 3/4	1 5/16	9'-9	38'-11 15/16	1/8	2 7/16	1 13/16	11'-5 1/16	45'-8 1/4	1/4	1/4	8	8	38'-11 13/16	45'-8 3/16	8 5/16	8	8	PL 7/8 x 16 -ta (H2-3) (4/C)	PL 7/8 x 16 -tb (H2-3) (3/S)
G4B BTM FLG	1282.49	84'-7 3/8	84'-7 3/16	38'-11 15/16	45'-7 7/16	3/16	1 3/4	1 5/16	9'-9	38'-11 15/16	3/16	2 7/16	1 13/16	11'-4 7/8	45'-7 7/16	3/8	3/8	11	11	38'-11 13/16	45'-7 3/8	8 5/16	11	11	PL 1 1/4 x 22 -ba (H2-3) (1/Y)	PL 1 1/4 x 22 -bb (H2-3) (1/U)
G5B TOP FLG	1291.74	86'-8 7/16	86'-8 1/4	38'-11 15/16	47'-8 1/2	1/8	1 3/4	1 5/16	9'-9	38'-11 15/16	1/8	2 5/8	2	11'-11 1/8	47'-8 1/2	1/4	1/4	8	8	38'-11 13/16	47'-8 7/16	8 5/8	8	8	PL 7/8 x 16 -ta (H2-3) (4/C)	PL 7/8 x 16 -tb (H2-3) (3/Q)
G5B BTM FLG	1291.74	86'-7 9/16	86'-7 3/8	38'-11 15/16	47'-7 5/8	3/16	1 3/4	1 5/16	9'-9	38'-11 15/16	3/16	2 5/8	2	11'-10 7/8	47'-7 5/8	3/8	3/8	11	11	38'-11 13/16	47'-7 9/16	8 5/8	11	11	PL 1 1/4 x 22 -ba (H2-3) (1/Y)	PL 1 1/4 x 22 -bb (H2-3) (1/S)



FLANGE DIAGRAM FOR G1B THRU G5B

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

REV.	REMARKS	DATE	DWN	CHK	APP	Q.A.
	OUT FOR APPROVAL	8-23-02				
	OUT FOR APPROVAL					
	ISSUED TO SHOP					
	FIELD & OFFICE					

NO.	DIA.	LGT	TYPE	WASHER

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

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 "A" & "B" GIRDERS
JOB: VT RTE 9 OVER THE DEERFIELD RIVER
BRIDGE NO. 25
SEARSBURG, VERMONT
CONTRACTOR: J.A. McDONALD
TENSOR 2241
PROJ NO. PROJ. NHF 010-1(18)
CUSTOMER: VERMONT AGENCY OF TRANSPORTATION

DRAWN BY	DATE
ATD	07/31
CHKD BY	
DO	08/09
APPROV BY	
SUPERVISOR	W. J. GATTI
Q.A.	

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

JOB NO.	DRG. NO.
165	F2
	REV. △

608 BR 25-F2

DO Mon Aug 12 07:37:46 EDT 2002 /users/jobs/221/f2 | Rev0