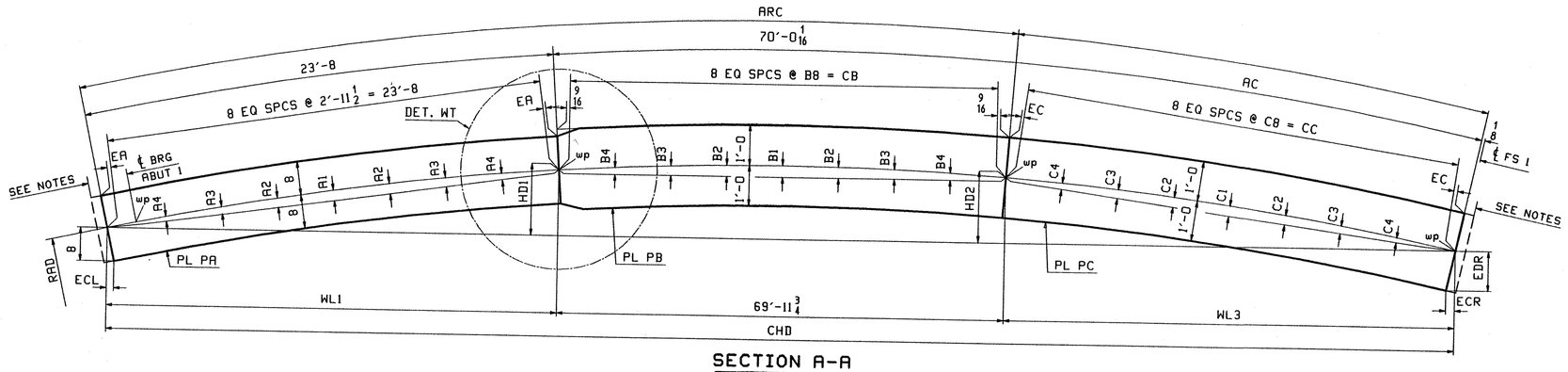
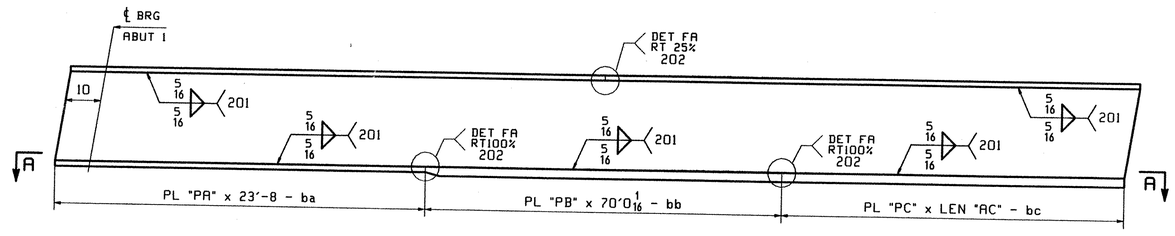
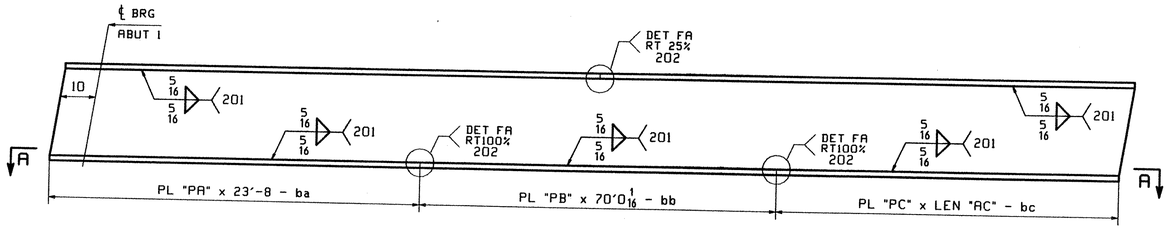


SECTION A-A

LOCATION	RAD	ARC	CHD	AC	EA	A1	A2	A3	A4	B1	B2	B3	B4	B8	CB	EC	C1	C2	C3	C4	C8	CC	ECL	ECR	EDR	WL1	WL3	HD1	HD2	PL PA (M270-50WT2)	PL PB (M270-50WT2)	PL PC (M270-50WT2)
G1A BTM FLG	782.44	108'-3 1/2	108'-2 7/16	14'-7 7/16	1/8	1 1/16	1	13/16	1/2	9 3/8	8 13/16	7 1/16	4 1/8	8'-9	69'-11 3/4	1/8	7/16	3/8	5/16	3/16	1'-9 15/16	14'-7 7/16	9/16	13/16	1'-0	23'-7 9/16	14'-7 1/8	1'-3 3/8	10 1/2	PL 1 x 16 -ba (H2-3) (4/C)	PL 1 1/2 x 24 -bb (H2-3) (1/C)	PL 1 1/2 x 24 -bc (H2-3) (1/G)
G2A BTM FLG	773.19	110'-4 3/4	110'-3 5/8	16'-8 11/16	1/8	1 1/16	1	13/16	1/2	9 1/2	8 15/16	7 1/8	4 3/16	8'-9	69'-11 3/4	1/8	9/16	1/2	7/16	1/4	2'-1 1/16	16'-8 11/16	9/16	7/8	1'-0	23'-7 9/16	16'-8 5/16	1'-3 15/16	1'-0 1/8	PL 1 x 16 -ba (H2-3) (4/C)	PL 1 x 24 -bb (H2-3) (2/C)	PL 1 x 24 -bc (H2-3) (2/N)
G3A BTM FLG	763.94	116'-8 1/2	116'-7 1/8	23'-0 7/16	1/8	1 1/8	1	13/16	1/2	9 5/8	9	7 3/16	4 3/16	8'-8 15/16	69'-11 3/4	3/16	1 1/16	1	13/16	7/16	2'-10 9/16	23'-0 7/16	5/8	15/16	11 15/16	23'-7 7/16	22'-11 15/16	1'-5 5/16	1'-4 15/16	PL 1 x 16 -ba (H2-3) (4/C)	PL 1 x 24 -bb (H2-3) (2/C)	PL 1 x 24 -bc (H2-3) (2/E)
G4A BTM FLG	754.69	109'-3 1/16	109'-1 15/16	15'-7	1/8	1 1/8	1 1/16	13/16	1/2	9 3/4	9 1/8	7 5/16	4 1/4	8'-8 15/16	69'-11 3/4	1/8	1/2	7/16	3/8	3/16	1'-11 3/8	15'-7	9/16	7/8	11 15/16	23'-7 9/16	15'-6 5/8	1'-4 1/16	11 5/8	PL 1 x 16 -ba (H2-3) (4/C)	PL 1 x 24 -bb (H2-3) (2/C)	PL 1 x 24 -bc (H2-3) (2/S)
G5A BTM FLG	745.44	111'-8 1/4	111'-7	18'-0 3/16	1/8	1 1/8	1 1/16	7/8	1/2	9 7/8	9 1/4	7 3/8	4 5/16	8'-8 15/16	69'-11 3/4	1/8	5/8	5/8	1/2	5/16	2'-3	18'-0 3/16	5/8	7/8	11 15/16	23'-7 1/2	17'-11 3/4	1'-4 3/4	1'-1 9/16	PL 1 x 16 -ba (H2-3) (4/C)	PL 1 x 24 -bb (H2-3) (2/C)	PL 1 x 24 -bc (H2-3) (2/J)



FLANGE DIAGRAM FOR G1A



FLANGE DIAGRAM FOR G2A, G3A, G4A & G5A

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

REV.	REMARKS	DATE	DWN	CHK	APP	Q.A.
	OUT FOR APPROVAL	9-9-02				
	OUT FOR APPROVAL					
	ISSUED TO SHOP					
	FIELD & OFFICE					

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.

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

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	DATE
AB	07/23
CHKD BY	
DO	07/31
APPROV BY	
SUPERVISOR	N. J. GALLI
Q.A.	
645-BA25A-F2	

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

JOB NO.	DRG. NO.
166	F2
	REV. 1

The Plug 1:10:26:26 EST 2002 /users/jobs/2242/F2 : 8x20