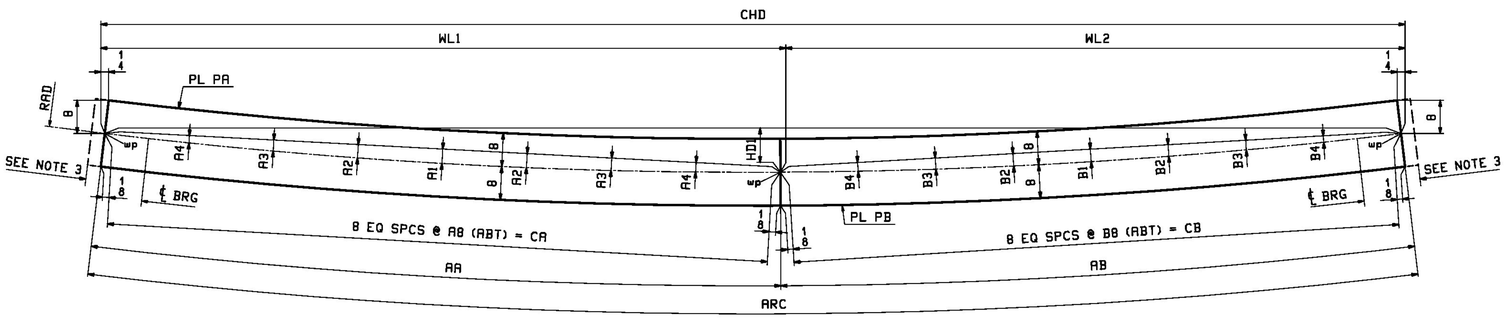
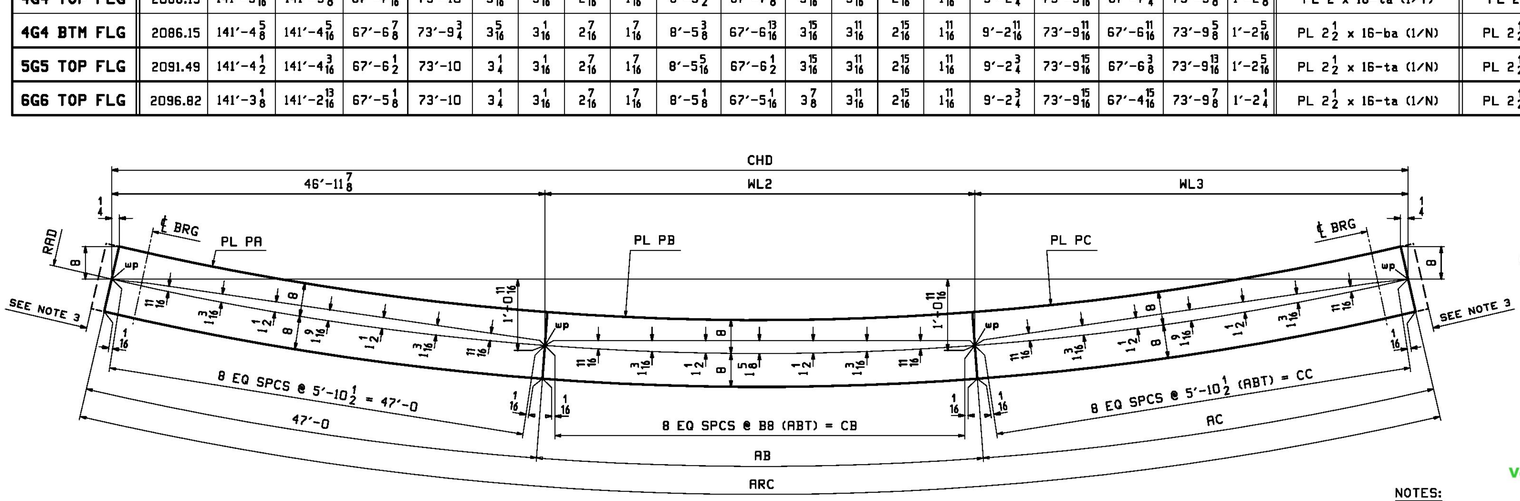


VIEW T-T (TOP FLANGE)

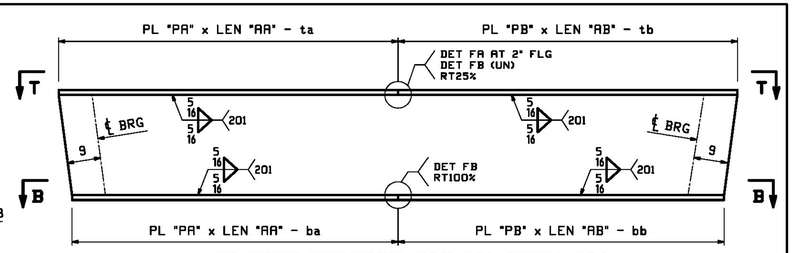
SECTION B-B (BTM FLANGE)

LOCATION	RAD	ARC	CHD	AA	AB	A1	A2	A3	A4	A8	CA	B1	B2	B3	B4	B8	CB	WL1	WL2	HD1	PL PA (M270-50T2)	PL PB (M270-50T2)
1G1 TOP FLG	2070.15	141'-10 5/16	141'-9 15/16	68'-0 5/16	73'-10	3 3/8	3 1/8	2 1/2	1 7/16	8'-6 1/16	68'-0 1/4	3 15/16	3 11/16	2 15/16	1 3/4	9'-2 3/4	73'-9 15/16	68'-0 1/8	73'-9 13/16	1'-2 9/16	PL 2 x 16-ta (1/W)	PL 2 x 16-tb (1/Q)
1G1 BTM FLG	2070.15	141'-9	141'-8 11/16	67'-11 1/4	73'-9 3/4	3 3/8	3 1/8	2 1/2	1 7/16	8'-5 7/8	67'-11 1/4	3 15/16	3 11/16	2 15/16	1 3/4	9'-2 11/16	73'-9 11/16	67'-11 1/16	73'-9 5/8	1'-2 9/16	PL 2 1/2 x 16-ba (1/L)	PL 2 1/2 x 16-bb (1/E)
2G2 TOP FLG	2075.49	141'-8 13/16	141'-8 7/16	68'-4 13/16	73'-4	3 3/8	3 3/16	2 9/16	1 1/2	8'-6 5/8	68'-4 3/4	3 7/8	3 5/8	2 15/16	1 11/16	9'-2	73'-3 15/16	68'-4 5/8	73'-3 13/16	1'-2 1/2	PL 2 x 16-ta (1/U)	PL 2 x 16-tb (1/S)
2G2 BTM FLG	2075.49	141'-7 9/16	141'-7 1/4	68'-3 3/4	73'-3 13/16	3 3/8	3 3/16	2 1/2	1 1/2	8'-6 7/16	68'-3 11/16	3 7/8	3 5/8	2 15/16	1 11/16	9'-2	73'-3 3/4	68'-3 9/16	73'-3 11/16	1'-2 1/2	PL 2 1/2 x 16-ba (1/J)	PL 2 1/2 x 16-bb (1/G)
3G3 TOP FLG	2080.82	141'-7 5/16	141'-7	67'-9 5/16	73'-10	3 5/16	3 1/8	2 1/2	1 7/16	8'-5 11/16	67'-9 1/4	3 15/16	3 11/16	2 15/16	1 3/4	9'-2 3/4	73'-10	67'-9 1/8	73'-9 7/8	1'-2 7/16	PL 2 x 16-ta (1/Y)	PL 2 x 16-tb (1/Q)
3G3 BTM FLG	2080.82	141'-6 1/8	141'-5 3/4	67'-8 5/16	73'-9 13/16	3 5/16	3 1/8	2 1/2	1 7/16	8'-5 9/16	67'-8 1/4	3 15/16	3 11/16	2 15/16	1 11/16	9'-2 11/16	73'-9 3/4	67'-8 1/8	73'-9 5/8	1'-2 7/16	PL 2 1/2 x 16-ba (1/N)	PL 2 1/2 x 16-bb (1/E)
4G4 TOP FLG	2086.15	141'-5 15/16	141'-5 5/8	67'-7 15/16	73'-10	3 5/16	3 1/16	2 7/16	1 7/16	8'-5 1/2	67'-7 7/8	3 15/16	3 11/16	2 15/16	1 11/16	9'-2 3/4	73'-9 15/16	67'-7 3/4	73'-9 7/8	1'-2 3/8	PL 2 x 16-ta (1/Y)	PL 2 x 16-tb (1/Q)
4G4 BTM FLG	2086.15	141'-4 5/8	141'-4 5/16	67'-6 7/8	73'-9 3/4	3 5/16	3 1/16	2 7/16	1 7/16	8'-5 3/8	67'-6 13/16	3 15/16	3 11/16	2 15/16	1 11/16	9'-2 11/16	73'-9 11/16	67'-6 11/16	73'-9 5/8	1'-2 5/16	PL 2 1/2 x 16-ba (1/N)	PL 2 1/2 x 16-bb (1/E)
5G5 TOP FLG	2091.49	141'-4 1/2	141'-4 3/16	67'-6 1/2	73'-10	3 1/4	3 1/16	2 7/16	1 7/16	8'-5 5/16	67'-6 1/2	3 15/16	3 11/16	2 15/16	1 11/16	9'-2 3/4	73'-9 15/16	67'-6 3/8	73'-9 13/16	1'-2 5/16	PL 2 1/2 x 16-ta (1/N)	PL 2 1/2 x 16-tb (1/E)
6G6 TOP FLG	2096.82	141'-3 1/8	141'-2 13/16	67'-5 1/8	73'-10	3 1/4	3 1/16	2 7/16	1 7/16	8'-5 1/8	67'-5 1/16	3 7/8	3 11/16	2 15/16	1 11/16	9'-2 3/4	73'-9 15/16	67'-4 15/16	73'-9 7/8	1'-2 1/4	PL 2 1/2 x 16-ta (1/N)	PL 2 1/2 x 16-tb (1/E)

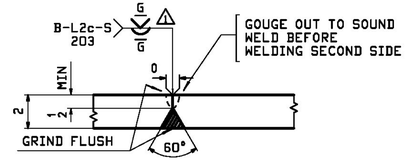


SECTION B-B (BTM FLANGE)

LOCATION	RAD	ARC	CHD	AB	AC	B8	CB	CC	WL2	WL3	PL PA (M270-50T2)	PL PB (M270-50T2)	PL PC (M270-50T2)
5G5 BTM FLG	2091.49	141'-3 1/4	141'-2 15/16	47'-3 3/16	47'-0 1/16	5'-10 7/8	47'-3 3/16	47'-0 1/16	47'-3 3/16	46'-11 7/8	PL 3 1/2 x 16-ba (1/C)	PL 3 1/2 x 16-bb (1/A)	PL 3 1/2 x 16-bc (1/C)
6G6 BTM FLG	2096.82	141'-1 13/16	141'-1 1/2	47'-1 13/16	47'-0	5'-10 3/4	47'-1 13/16	47'-0	47'-1 13/16	46'-11 13/16	PL 3 1/2 x 16-ba (1/C)	PL 3 1/2 x 16-bb (1/A)	PL 3 1/2 x 16-bc (1/C)

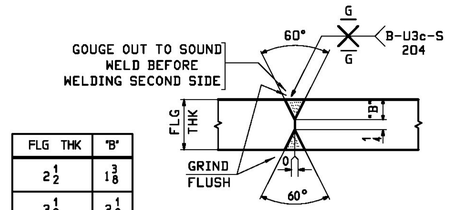


FLANGE DIAGRAM FOR 1G1 THRU 4G4



DIRECTION OF GRINDING

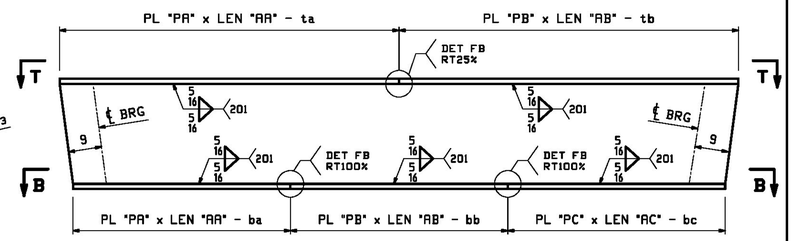
FLANGE PLATE SPLICE DETAIL "FA"



FLG THK	"B"
2 1/2	1 3/8
3 1/2	2 1/8

DIRECTION OF GRINDING

FLANGE PLATE SPLICE DETAIL "FB"



FLANGE DIAGRAM FOR 5G5 & 6G6

NOTES:
1. FOR GENER
2. T2 DENOTE TEST AT ⊦
3. TRIM FLAN

Vermont Agency of Transportation
RECEIVED
CK'D BY _____ OK'D BY GFR
May 7, 2017
RESUBMIT No Approved
BY C. Carlson DATE 05/09/2017

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
1	5/2/17	APPROVAL COMMEN				
0						

MATERIAL:	SURFACE PREP. & PRINT:	HOLES:	SHOP BOLTS:
M270-50T2	SEE DWG GN1		

DESCRIPTION: FLANGE DIAGRAM

CASCO BAY STEEL STRUCTURES, INC.
1 WALLACE AVE. PHONE (207) 780-6722
SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726
TENSOR 9463

STRUCTURE: ROUTE VT 25B OVER WAITS RIVER
RURAL MAJOR COLLECTOR BRIDGE NO. 1
BRADFORD
COUNTY OF ORANGE

DRAWN: JTB DATE: 02/16
CHKD: DBH DATE: 03/13

LOCATION: TOWN OF BRADFORD, VERMONT
JOB NO. 706-1
DWG NO. F1 REV. 1

PROJ NO. BF 0191(29)
CUSTOMER: A.L.ST. ONGE

JTB Tue, Nov 8, 2016 08:08:07 PM c:\users\jtb\245171.1.dwg