



Line	MX	MX2
2	1'-2 11/16	1'-2 3/16
3	1'-3	1'-2 2/2
4	1'-3 11/16	1'-2 13/16
5	1'-3 1/16	1'-3 1/16

CALCULATION PLAN FOR BRIDGE 25A

Line	DEVELOPED LENGTHS ALONG BTH OF WEB			GIRDER SLOPE		PLAN BEVELS	
	LEN A	LEN BL	LEN B	ABUT 1	Pier 1	AI	P1
1	107'-5 5/8	41'-10 3/16	86'-6 1/4	.0125	.0068	9 11/16	6 3/8
2	109'-6 7/8	40'-6 5/8	85'-3 1/2	.0126	.0092	9 7/8	6 7/16
3	115'-10 5/8	35'-1 1/8	84'-3 9/16	.0127	.0079	10 1/16	6 9/16
4	108'-5 3/16	43'-5 7/16	83'-2 13/16	.0117	.0062	10 5/16	6 11/16
5	110'-10 3/8	41'-11 9/16	82'-7 1/2	.0116	.0081	10 1/2	6 3/4

**** NOTE ****
 THE PURPOSE OF THIS DRAWING IS TO COORDINATE GEOMETRIC CONTROL INFORMATION. THIS Dwg IS SUBMITTED FOR INFORMATION ONLY AND IS NOT INTENDED FOR SHOP FABRICATION.

- NOTES
1. LONGITUDINAL DIMENSIONS ARE SLOPING ALONG BOTT OF WEB. WITH CORRECTIONS MADE FOR GRADE & CAMBER (UN).
 2. TRANSVERSE DIMENSIONS ARE IN A HORIZ. PLANE (UN).
 3. ARROW POINTS TOWARDS LOW END OF MEMBER.
 4. ENDS OF GIRDERS AND BRG. STIFF'S ARE VERTICAL AFTER DL ROTATION.
 5. DIAPH STIFF & FIELD SPLICES ARE NORMAL TO GRADE UNLESS NOTED.
 6. BOTT PT NUMBERS = TOP PT NUMBERS + 300.
 7. FOR LAYOUTS SEE DWG TDI & TD2.
 8. COMBINE CROSSFRAMES FOR DIFF IN DROPS OF +/- 1/8.
 9. CROSSFRAMES DROPS ARE CALCULATED IN THEIR FINAL POSITION.
 10. LATERAL BRACE LENGTHS ARE SLOPING CHORD WP/WP.

RECEIVED
 CHK'D BY *DR* OK'D BY
 SEP 05 2002
 RESUBMIT APPROVED BY *RW* DATE 9-27-02

OUT FOR APPROVAL	9/20/02								
ISSUED TO SHOP									
FIELD & OFFICE									
REV. REMARKS	DATE	DWN	CHK	APP	Q.R.	NO.	DIA.	LGT	TYPE
MATERIAL:	M270-50W	ELECTRODES:		HOLES:	15" 16" (UN)	NO.	DIA.	LGT	TYPE
SURFACE PREP. & PAINT:		-STEEL WITHIN 10'-0" ENDS OF GIRDERS SHALL BE PAINTED (SEE GND) -ALL OTHER STEEL SHALL BE BLAST CLEANED AND LEFT UNPAINTED.							
DESCRIPTION:	CALCULATION PLAN			DRAWN BY	DATE				
JOB:	VT RTE 9 OVER THE DEERFIELD RIVER			ML	07/16				
BRIDGE NO. 25A		SEARSBURG, VERMONT		CHKD BY	JAK	07/17			
CONTRACTOR: J.A. McDONALD		SUPERVISOR: H. J. GATI		APPROV BY					
PROJ NO.	PROJ. NHF 010-(18)	Q.R.							
CUSTOMER:	VERMONT AGENCY OF TRANSPORTATION			638-BR25A-WS1					
CASCO BAY STEEL STRUCTURES, INC.		JOB NO.	DRG. NO.						
75 SPRING HILL ROAD SACO, MAINE 04072		166	WS1						
PHONE (207) 282-7360 FAX. (207) 282-1179		REV.							