



CALCULATION PLAN

DETAILER NOTE:
 HOLES IN WEB FOR
 RE-BAR, TYPICAL
 BOTH ENDS ALL GIRDS.

Grade Slope = -0.0196
Fall DL Slope ≈ $\frac{2.46" - 1.90"}{12' + 12"} = +0.0038$
Vertical Curve @ 12.4' = 2.46"
Fall DL Defl @ 12.4' = 1.90"
Grade Slope = Fall DL Slope = -0.0158

Grade Slope = Fall DL Slope = -0.0224

**** 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 BOTTOM OF WEBS WITH CORRECTIONS MADE FOR DL CAMBER & VERT. CURVE (UN).
 2. TRANSVERSE DIMENSIONS ARE IN A HORIZONTAL PLANE (UN).
 3. ARROW POINTS TOWARD LOW END OF MEMBER.
 4. ENDS OF GIRDS ARE VERTICAL AFTER DL ROTATION.
 5. CROSSFRAME STIFFENERS ARE NORMAL TO GRADE.
 6. BOTTOM POINT NUMBERS = TOP POINT NUMBERS + 100
 7. FOR LAYOUTS SEE DRAWING TDI.

RECEIVED
 CK'D BY *CAM* OK'D BY *JAL*
 MAY 1 2009
 APPROVED
 BY *PCP* DATE *5-12-09*

REV. DATE		REMARKS	DWN	CHK	APVL	SHOP
0						
MATERIAL:		SURFACE PREP. & PAINT:	HOLES:		SHOP BOLTS:	
M270-50W		SEE GNI	15/16" Ø		NONE	
DESCRIPTION: CALCULATION PLAN						
CASCO BAY STEEL STRUCTURES, INC. 75 SPRING HILL ROAD SACO, MAINE 04072 PHONE (207) 282-7360 FAX. (207) 282-1179						
STRUCTURE:		DRAWN:		DATE:		
TOWN HIGHWAY #2 OVER WILLOUGHBY RIVER		LWD		03/10		
BRIDGE NO. BR 8		CHKD:		DATE:		
TOWN OF BROWNINGTON		PCP		04/16		
COUNTY OF ORLEANS, VERMONT						
CONTRACTOR: AUSTIN CONSTRUCTION						
LOCATION: Town of Brownington		JOB NO.		DWG NO.		
PROJ NO. BRO 1449 (28)		396		WS1		
CUSTOMER: VERMONT AOT				REV. ▲		