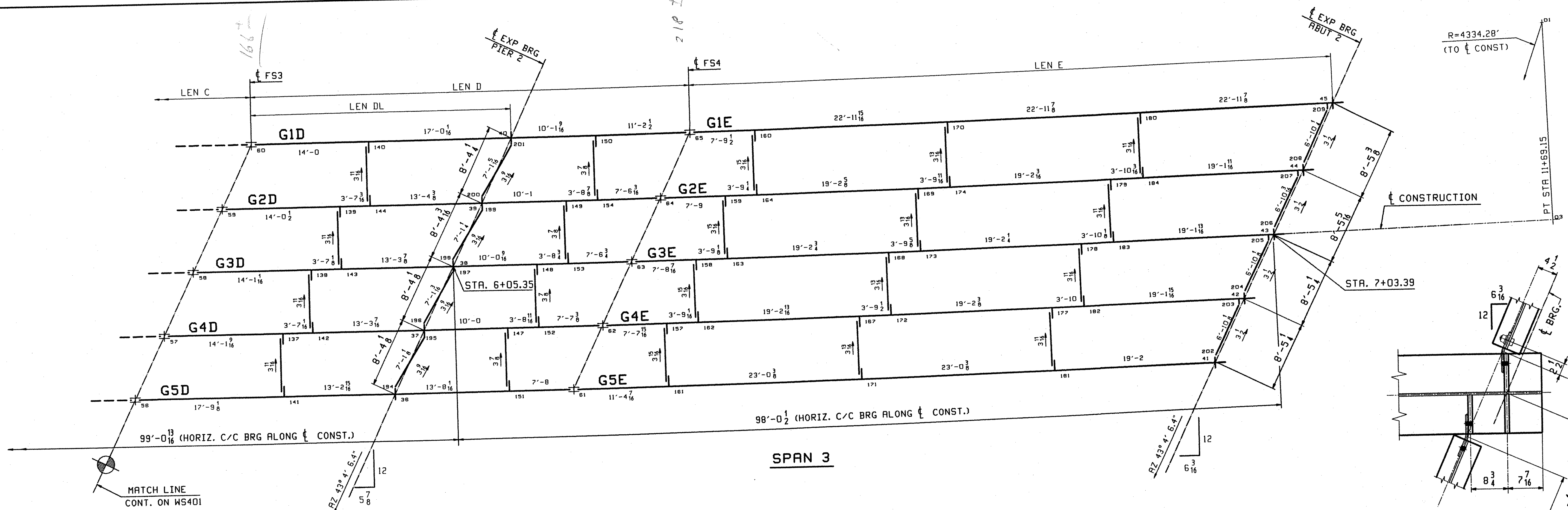


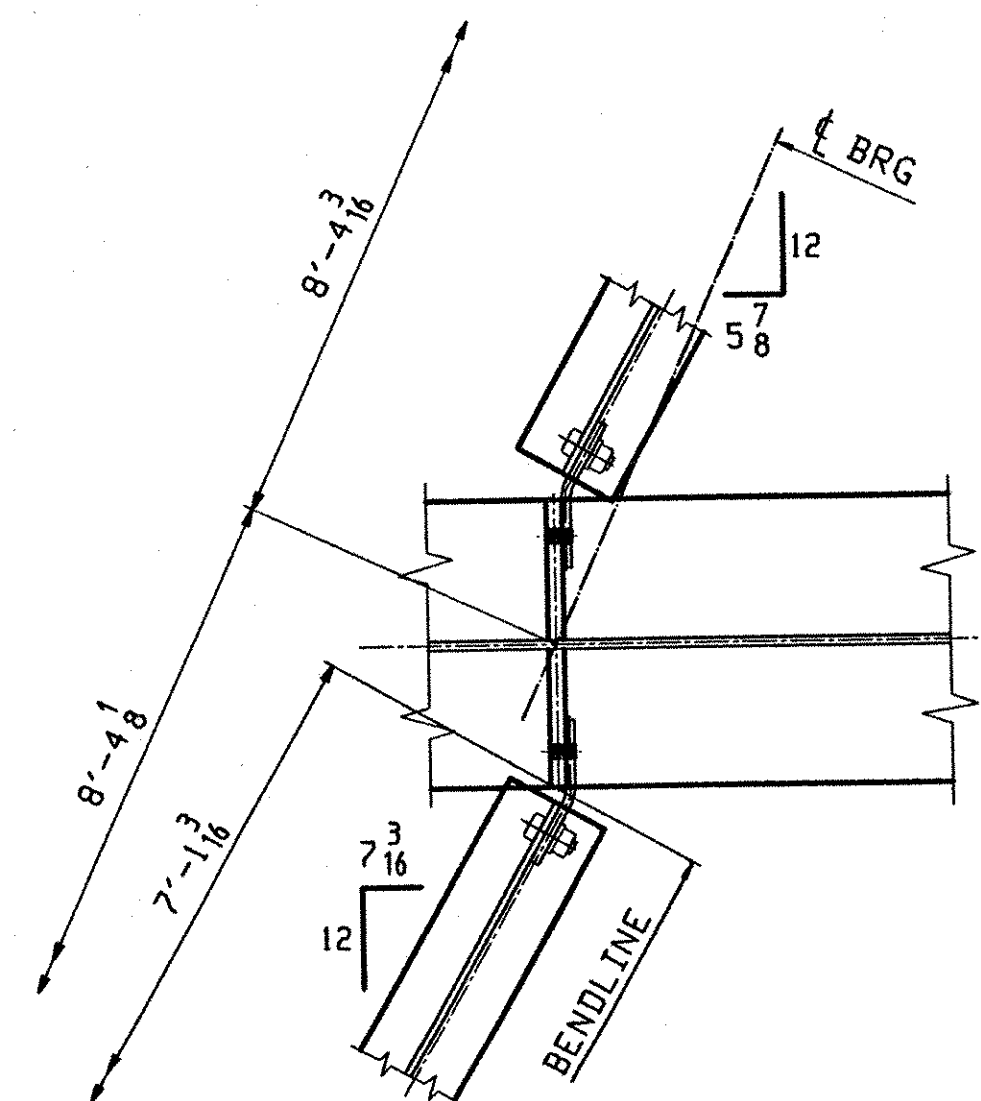


CALCULATION PLAN

Line	DEVELOPED LENGTHS ALONG BTH OF WEB			GRADE	
	LEN DL	LEN D	LEN E	PIER 2	ABUT. 2
1	31'-0 1/16	52'-4 1/8	76'-9 3/16	.0055	.0003
2	31'-0 1/16	52'-4 1/8	76'-8 5/8	.0054	.0005
3	31'-0 1/16	52'-4 1/8	76'-8 1/8	.0054	.0005
4	31'-0 1/16	52'-4 1/8	76'-7 5/8	.0054	.0005
5	31'-0 1/16	52'-4 1/8	76'-7 3/16	.0055	.0003



DIAPHRAGM WORKPOINTS @ ABUT 2



DIAPHRAGM WORKPOINTS @ PIER 2

TVGA
Engineering, Surveying, P.C.

☒ NO EXCEPTIONS TAKEN ☐ REJECTED
☐ FURNISH AS CORRECTED
☐ REVISE AND RESUBMIT

ENGINEER has reviewed Shop Drawings and Samples and other data which Contractor is required to submit only for conformance with the information given in the Contract Documents and compliance with the design concept of the Contract Documents. Such reviews do not extend to methods, materials, techniques, equipment or procedures of construction or to safety precautions and programs incident thereto. Contractor is responsible for dimensions to be confirmed and controlled at the job site; for information that pertains solely to the fabrication processes or to techniques of construction, and for coordination of the work of all trades.

BY: WJL
DATE: 01-11-2002

**** 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 VERTICAL CURVE, GRADE & DL CAMBER (UN).
 2. TRANSVERSE DIMENSIONS ARE IN A HORIZ. PLANE (UN).
 3. ARROW POINTS TOWARDS LOW END OF MEMBER.
 4. ENDS OF STRINGERS AND BRG. STIFF'S ARE VERTICAL AFTER DL ROTATION.
 5. DIAPH STIFF & FIELD SPLICES ARE NORMAL TO GRADE.
 6. BOTT PT NUMBERS = TOP PT NUMBERS + 200.
 7. FOR LAYOUTS SEE DWG TD401.
 8. COMBINE CROSSFRAMES FOR DIFF IN DROPS OF +/- 3/16.
 9. CROSSFRAMES DROPS ARE CALCULATED IN THEIR FINAL POSITION.
 10. WP'S AT 1/2 OF BENT PLATE.

OUT FOR APPROVAL	0-341																		
OUT FOR APPROVAL																			
ISSUED TO SHOP																			
FIELD & OFFICE																			
REV.	REMARKS	DATE	DWN	CHK	APP	Q.A.	NO.	DIA.	LGT	TYPE	WASHER								
MATERIAL:	M270 GR. 50W	ELECTRODES:					HOLES:	15/16 Ø (U.N.)	7/8 Ø (U.N.)	SHOP BOLTS:									
SURFACE PREP. & PAINT:																			
- STEEL WITHIN 10'-0 OF ABUT. 2 SHALL BE PAINTED (SEE GN301)																			
- ALL OTHER STEEL SHALL BE BLAST CLEANED AND LEFT UNPAINTED.																			
DESCRIPTION:	CALCULATION PLAN										DRAWN BY	DATE							
JOB:	I-89 NB OVER LITTLE RIVER										JAK	07/27							
	I-89 IMPROVEMENTS										CHKD BY								
	BETWEEN TOWNS OF MIDDLESEX & BOLTON										WL	8/04							
	COUNTY OF WASHINGTON VERMONT										APPROV BY								
											SUPERVISOR	H. J. GATTI							
PROJ NO.	IM-089-2(26)										Q.A.								
CUSTOMER:	VERMONT AGENCY OF TRANSPORTATION										JOB NO.	DRG. NO.							
											119-48N	WS402							
											REV.	△							
CASCO BAY STEEL STRUCTURES, INC.																			
75 SPRING HILL ROAD												SACO, MAINE 04072							
PHONE (207) 282-7360												FAX. (207) 282-1179							