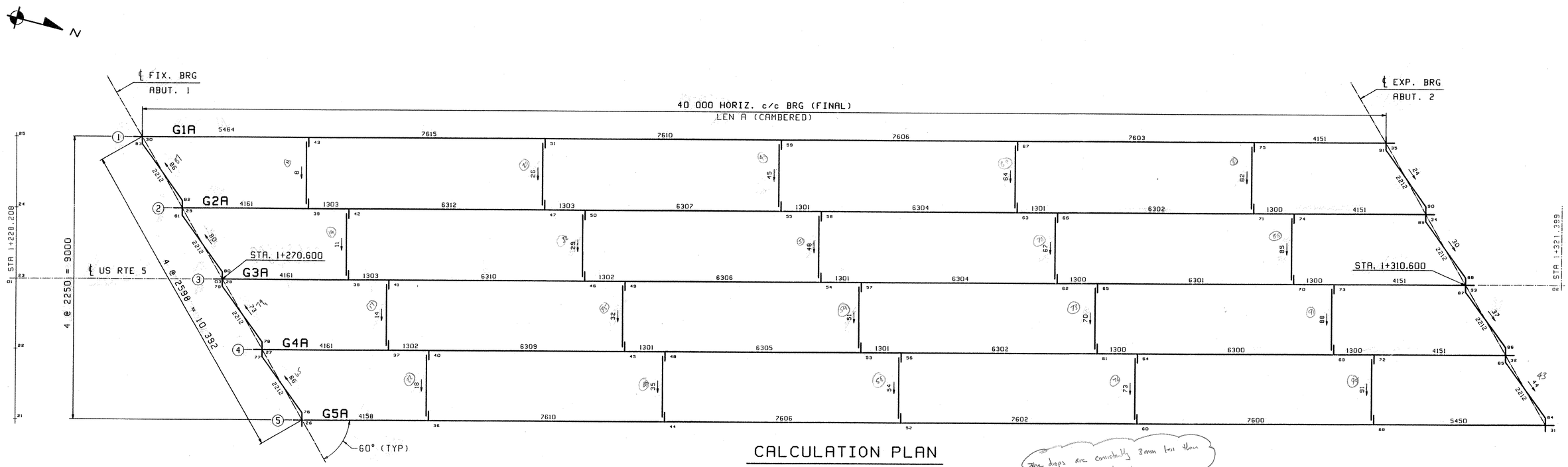
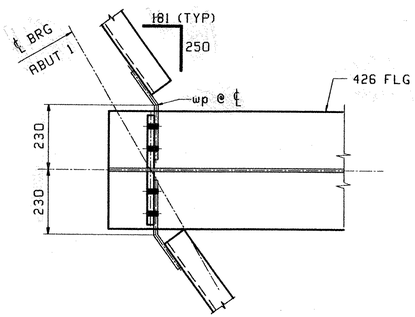


CALCULATION PLAN

Line	CAMB. LEN @ BTM OF WEB LEN A	FINAL GRADE @ BRGS ABUT 1	ABUT 2
1	40 049	.0669	.0526
2	40 045	.0648	.0495
3	40 039	.0621	.0467
4	40 032	.0593	.0440
5	40 026	.0562	.0419

The drops are consistently 3mm less than what I calc, but ok



TYPICAL END CROSSFRAME WORKPOINTS

ABUT 1 AS SHOWN, ABUT 2 ROTATE 180°

RECEIVED
CK'D BY WBS OK'D BY RSY
SEP 04 2002
RESUBMIT ____ APPROVED As Noted
BY CPW DATE 9/17/02

**** 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 & 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. CROSSFRAME STIFF ARE NORMAL TO GRADE.
6. BOTT PT NUMBERS =TOP PT NUMBERS + 100.
7. FOR LAYOUTS SEE DWG TD1.
8. COMBINE INT. CROSSFRAMES FOR DIFF IN DROPS OF +/- 3mm.
9. CROSSFRAMES DROPS ARE CALCULATED IN THEIR FINAL POSITION.

REV.	REMARKS	DATE	DWN	CHK	APP	Q.A.	NO.	DIA.	LGT	TYPE	WASHER
	OUT FOR APPROVAL	5-30-02									
	OUT FOR APPROVAL										
	ISSUED TO SHOP										
	FIELD & OFFICE										

MATERIAL: M270M-345W
ELECTRODES:
HOLES: 24 mm (15/16)ø
SHOP BOLTS:

SURFACE PREP. & PAINT:
-STEEL WITHIN 1500 OF ABUT. 2 END OF GIRDERS SHALL BE PAINTED (SEE GN1)
-ALL OTHER STEEL SHALL BE BLAST CLEANED AND LEFT UNPAINTED.

DESCRIPTION: CALCULATION PLAN
JOB: US Route 5 over Northern Vermont RR
BRIDGE NO. 161
BARTON, VERMONT (ORLEANS COUNTY)
CONTRACTOR: WINTERSET
TENSOR 2256
PROJ NO. AC STP 0113 (58) S
CUSTOMER: VERMONT AGENCY OF TRANSPORTATION

DRAWN BY	DATE
WL	08/01
CHKD BY	
JAK	08/05
APPROV BY	
SUPERVISOR	W. J. GATTI
Q.A.	

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

JOB NO. 163
DRG. NO. WS1
REV. △