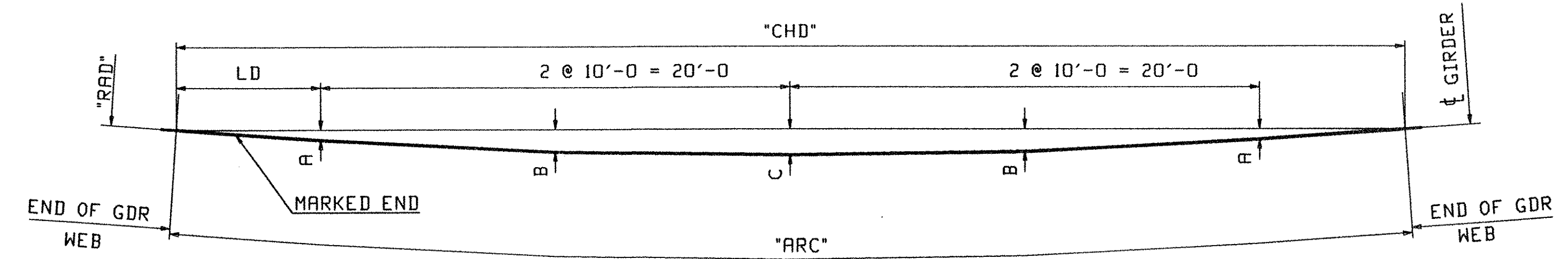


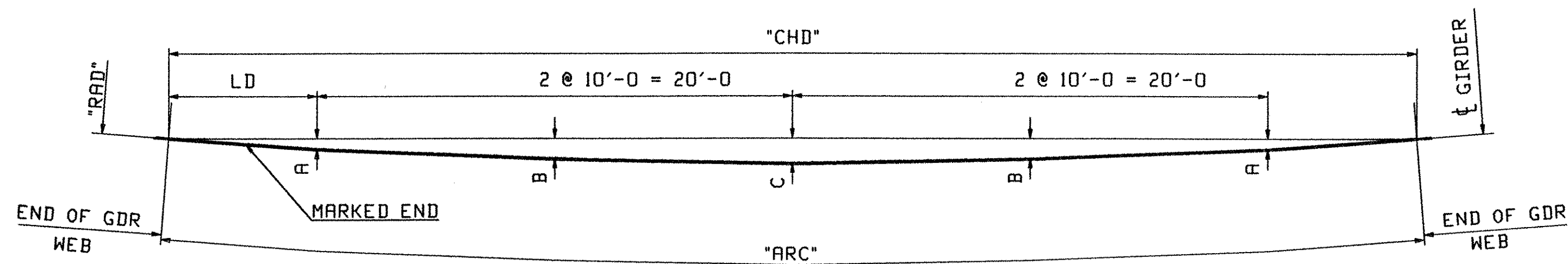
HEAT CURVING DIAGRAM FOR G1A THRU G5A

MARK	"ARC"	"CHD"	"RAD"	"A"	"B"	"C"	"D"	"LD"
G1A	77'-0 ⁹ / ₁₆	77'-0 ⁹ / ₁₆	4245.280	13 ¹ / ₁₆	1 ⁹ / ₁₆	1 ¹⁵ / ₁₆	2 ¹ / ₈	8'-6 ¹ / ₄
G2A	77'-0 ¹ / ₈	77'-0 ¹ / ₈	4252.780	13 ¹ / ₁₆	1 ¹ / ₂	1 ¹⁵ / ₁₆	2 ¹ / ₈	8'-6 ¹ / ₁₆
G3A	76'-11 ¹¹ / ₁₆	76'-11 ¹¹ / ₁₆	4260.280	13 ¹ / ₁₆	1 ¹ / ₂	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	8'-5 ¹³ / ₈
G4A	76'-11 ¹ / ₄	76'-11 ¹ / ₄	4267.780	13 ¹ / ₁₆	1 ¹ / ₂	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	8'-5 ⁵ / ₈
G5A	76'-10 ⁷ / ₈	76'-10 ⁷ / ₈	4275.280	13 ¹ / ₁₆	1 ¹ / ₂	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	8'-5 ⁷ / ₁₆



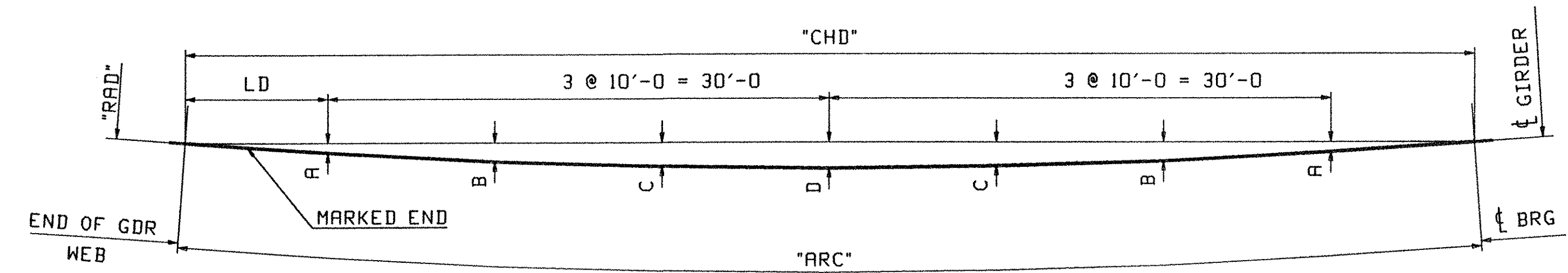
HEAT CURVING DIAGRAM FOR G1D THRU G5D

MARK	"ARC"	"CHD"	"RAD"	"A"	"B"	"C"	"D"	"LD"
G1D	52'-3 ¹⁵ / ₁₆	52'-3 ¹⁵ / ₁₆	4245.280	3 ³ / ₈	1 ¹³ / ₁₆	1 ¹⁵ / ₁₆	2 ¹ / ₈	6'-1 ¹⁵ / ₁₆
G2D	52'-3 ⁷ / ₈	52'-3 ⁷ / ₈	4252.780	3 ³ / ₈	1 ¹³ / ₁₆	1 ¹⁵ / ₁₆	2 ¹ / ₈	6'-1 ¹⁵ / ₁₆
G3D	52'-3 ⁷ / ₈	52'-3 ⁷ / ₈	4260.280	3 ³ / ₈	1 ¹³ / ₁₆	1 ¹⁵ / ₁₆	2 ¹ / ₈	6'-1 ¹⁵ / ₁₆
G4D	52'-3 ⁷ / ₈	52'-3 ⁷ / ₈	4267.780	3 ³ / ₈	1 ¹³ / ₁₆	1 ¹⁵ / ₁₆	2 ¹ / ₈	6'-1 ¹⁵ / ₁₆
G5D	52'-3 ¹⁵ / ₁₆	52'-3 ¹⁵ / ₁₆	4275.280	3 ³ / ₈	1 ¹³ / ₁₆	1 ¹⁵ / ₁₆	2 ¹ / ₈	6'-1 ¹⁵ / ₁₆



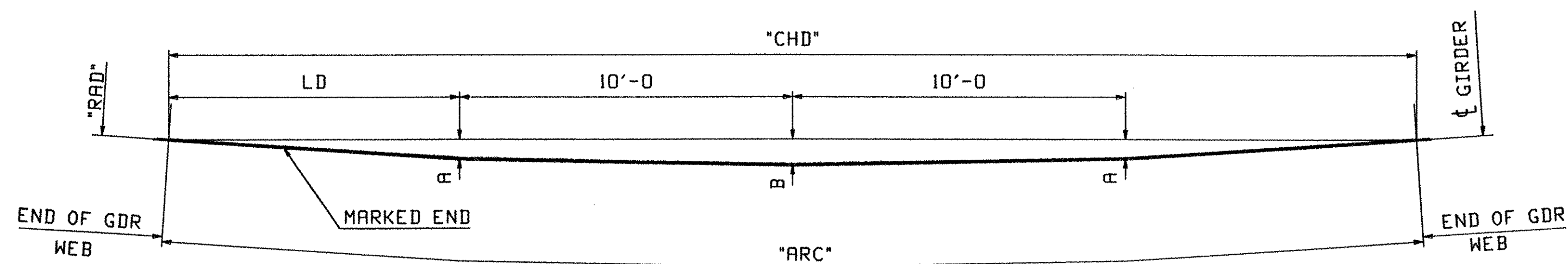
HEAT CURVING DIAGRAM FOR G1B THRU G5B

MARK	"ARC"	"CHD"	"RAD"	"A"	"B"	"C"	"D"	"LD"
G1B	52'-5 ⁷ / ₈	52'-5 ⁷ / ₈	4245.280	7 ¹ / ₁₆	1 ¹³ / ₁₆	1	2 ¹ / ₈	6'-2 ¹⁵ / ₁₆
G2B	52'-5 ¹⁵ / ₁₆	52'-5 ¹⁵ / ₁₆	4252.780	7 ¹ / ₁₆	1 ¹³ / ₁₆	1	2 ¹ / ₈	6'-2 ¹⁵ / ₁₆
G3B	52'-5 ¹⁵ / ₁₆	52'-5 ¹⁵ / ₁₆	4260.280	7 ¹ / ₁₆	1 ¹³ / ₁₆	1	2 ¹ / ₈	6'-2 ¹⁵ / ₁₆
G4B	52'-5 ¹⁵ / ₁₆	52'-5 ¹⁵ / ₁₆	4267.780	7 ¹ / ₁₆	1 ¹³ / ₁₆	1 ¹⁵ / ₁₆	2 ¹ / ₈	6'-2 ¹⁵ / ₁₆
G5B	52'-5 ¹⁵ / ₁₆	52'-5 ¹⁵ / ₁₆	4275.280	3 ³ / ₈	1 ¹³ / ₁₆	1 ¹⁵ / ₁₆	2 ¹ / ₈	6'-2 ¹⁵ / ₁₆



HEAT CURVING DIAGRAM FOR G1E THRU G5E

MARK	"ARC"	"CHD"	"RAD"	"A"	"B"	"C"	"D"	"LD"
G1E	77'-1 ¹ / ₁₆	77'-1 ¹ / ₁₆	4245.280	13 ¹ / ₁₆	1 ⁹ / ₁₆	1 ¹⁵ / ₁₆	2 ¹ / ₈	8'-6 ¹ / ₂
G2E	77'-0 ¹ / ₂	77'-0 ¹ / ₂	4252.780	13 ¹ / ₁₆	1 ¹ / ₂	1 ¹⁵ / ₁₆	2 ¹ / ₈	8'-6 ¹ / ₄
G3E	76'-11 ¹⁵ / ₁₆	76'-11 ¹⁵ / ₁₆	4260.280	13 ¹ / ₁₆	1 ¹ / ₂	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	8'-5 ¹⁵ / ₁₆
G4E	76'-11 ⁷ / ₁₆	76'-11 ⁷ / ₁₆	4267.780	13 ¹ / ₁₆	1 ¹ / ₂	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	8'-5 ¹¹ / ₁₆
G5E	76'-10 ⁷ / ₈	76'-10 ⁷ / ₈	4275.280	13 ¹ / ₁₆	1 ¹ / ₂	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	8'-5 ⁷ / ₁₆



HEAT CURVING DIAGRAM FOR G1C THRU G5C

MARK	"ARC"	"CHD"	"RAD"	"A"	"B"	"LD"
G1C	37'-5 ¹¹ / ₁₆	37'-5 ¹¹ / ₁₆	4245.280	3 ³ / ₈	1 ¹ / ₂	8'-8 ¹³ / ₁₆
G2C	37'-5 ³ / ₁₆	37'-5 ³ / ₁₆	4252.780	3 ³ / ₈	1 ¹ / ₂	8'-8 ⁹ / ₁₆
G3C	37'-4 ³ / ₄	37'-4 ³ / ₄	4260.280	3 ³ / ₈	1 ¹ / ₂	8'-8 ³ / ₈
G4C	37'-4 ¹ / ₄	37'-4 ¹ / ₄	4267.780	3 ³ / ₈	1 ¹ / ₂	8'-8 ¹ / ₈
G5C	37'-3 ³ / ₄	37'-3 ³ / ₄	4275.280	3 ³ / ₈	1 ¹ / ₂	8'-7 ⁷ / ₈

NOTE:

LONGITUDINAL DIMENSIONS TAKEN ALONG \perp BOTTOM OF WEB.

OUT FOR APPROVAL	3/5/01									
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 ϕ (UN)										
SHOP BOLTS:	7/8 ϕ (UN)										

SURFACE PREP. & PAINT:
 -STEEL WITHIN 10'-0" OF ABUT 1 SHALL BE PAINTED (SEE GN301)
 -ALL OTHER STEEL SHALL BE BLAST CLEANED AND LEFT UNPAINTED.

DESCRIPTION:	HORIZ. CURVING DIAGRAMS	DRAWN BY	DATE
JOB:	BRIDGE NO. 488 I-89 SB OVER LITTLE RIVER I-89 IMPROVEMENTS TOWN OF MIDDLESEX-BOLTON, VERMONT	AB	02/21
		CHKD BY	
		JAK	02/22
		APPROV BY	
		SUPERVISOR	M. J. GATTI
PROJ NO.	1M-089-2(25)	Q.A.	

CUSTOMER: VERMONT AGENCY OF TRANSPORTATION			
CASCO BAY STEEL STRUCTURES, INC.	JOB NO.	DRG. NO.	
75 SPRING HILL ROAD	118-488	HC301	
PHONE (207) 282-7360	SACO, MAINE 04072		
	FAX. (207) 282-1179		
		REV.	Δ

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 FURNISH FOR CONFORMANCE WITH THE SPECIFICATIONS GIVEN IN THE CONTRACT DOCUMENTS AND EMPHASIS WITH THE DESIGN CONCEPT OF THE CONTRACT DOCUMENTS AS A WHOLE, AND AS INDICATED IN THE CONTRACT DOCUMENTS. SUCH REVIEW SHALL EXTEND TO ACCESS, METHOD, LOCATION, QUANTITY OR SEQUENCE OF CONSTRUCTION OR TO SAFETY, PROTECTION AND PROVISIONS PROVIDED THEREIN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND CONDUCTING ALL WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND FOR OBTAINING ALL NECESSARY APPROVALS FOR CONSTRUCTION, AND FOR COMPLETION OF THE WORK OF ALL TRADES.
 BY: *Pete W. [Signature]*
 DATE: 4/9/01