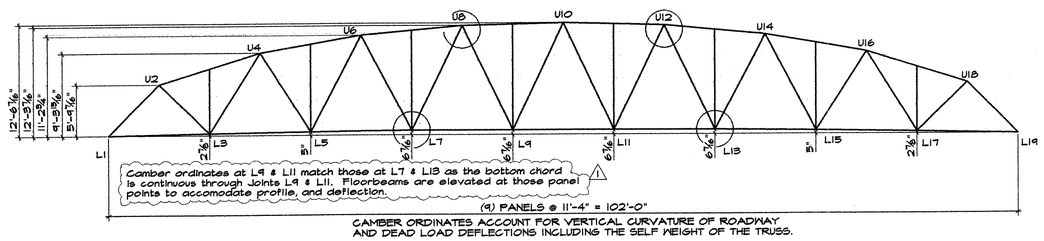
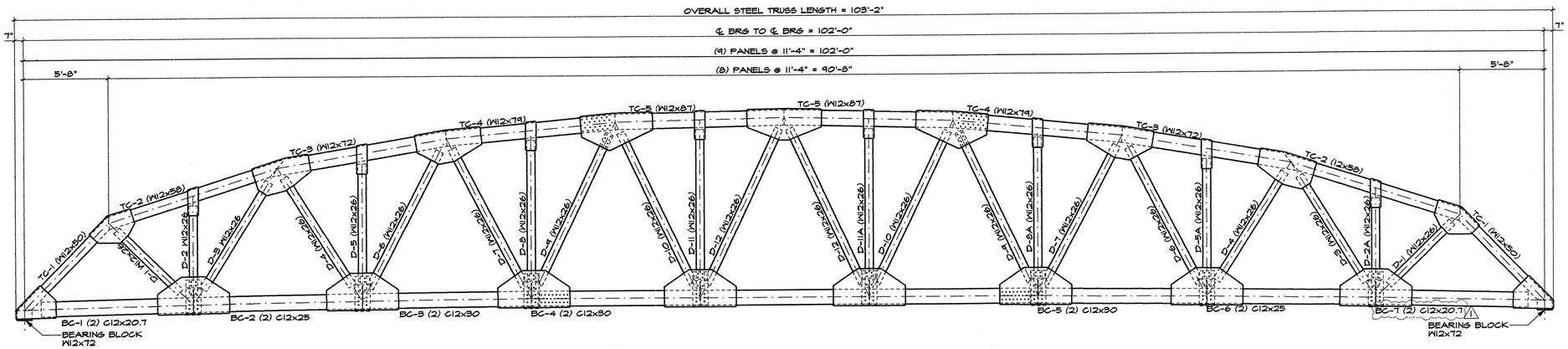


CAMBER ORDINATES ACCOUNT FOR VERTICAL CURVATURE OF ROADWAY AND DEAD LOAD DEFLECTIONS INCLUDING THE SELF WEIGHT OF THE TRUSS.

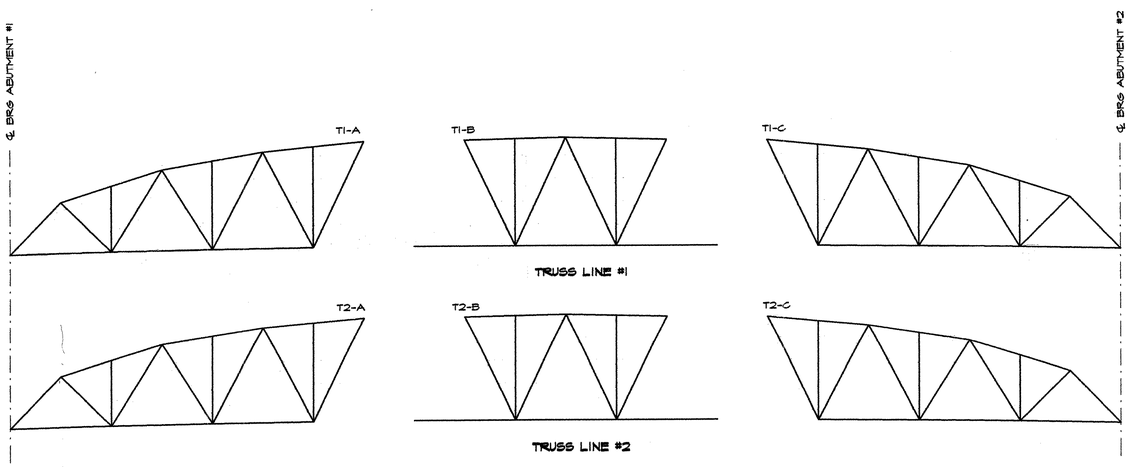
1/E2 ELEVATION & CAMBER DIAGRAM
⅛"=1'-0"

BOLT SCHEDULE	A325 TYPE 1 BOLTS (GALV.)												
LINE	NO REQ'D	BOLT Ø	BOLT LGTH	BOLTS/ CONN.	NO. OF CONN.	GRIP	THICKNESS OF PIECES CONNECTED					WASH. CODE	REMARKS
1	96	⅞"	3¼"	6	16	1⅞"	1"	½"	⅜"			1	FLBM END CONN. TO VERT.
2	12	⅞"	3"	3	4	1 9/16"	1"	½"	5/16"			1	FLBM END CONN. TO BTM CH (PANEL 1 & 9)
3	84	⅞"	3¼"	3	28	1⅞"-2"	1"	½"	⅜"-½"			1	FLBM END CONN. TO BTM CH (PANEL 2 - 8)
4													
5	520	⅞"	3¼"	65	8	1⅞"	⅝"	⅝"	⅝"			1	ANGLE TO FLBM CONN.
6													
7	192	⅞"	2½"	24	8	1¼"	½"	⅜"				1	GUSSET TO TOP CHORD
8	64	⅞"	2¼"	8	8	⅞"	½"	⅜"				1	GUSSET TO DIAGONAL @ TOP CHORD SPL.
9													
10	192	⅞"	2¼"	24	8	1"	½"	½"				1	GUSSET TO BOT. CHORD
11	8	⅞"	2¾"			1½"	½"	½"	½"			1	END PANEL LATERAL ROD ANCH. ASSEMBLY

BOLT SUMMARY	A325 TYPE 1 BOLTS (GALV.)		
	700	⅞"	3¼" A325 TYPE 1 GALV.
	12	⅞"	3" A325 TYPE 1 GALV.
	8	⅞"	2¾" A325 TYPE 1 GALV.
	192	⅞"	2½" A325 TYPE 1 GALV.
	256	⅞"	2¼" A325 TYPE 1 GALV.
	1168		HARD FLAT WASHERS FOR ⅞"Ø BOLT GALV TYPE 436



2/E2 ELEVATION TRUSS #2 (TRUSS #1 OPPOSITE HAND)
⅛"=1'-0"



3/E2 TRUSS LINE ERECTION MARKS
⅛"=1'-0"

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH STATE OF VERMONT, AGENCY OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2001 WITH THE LATEST REVISIONS.
2. DESIGN SPECIFICATIONS - AASHTO STD. SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION, 2002.
3. ALL HOLES SHALL BE PUNCHED OR DRILLED FULL SIZE
4. ~~STUDS ARE FURNISHED AND INSTALLED IN THE FIELD BY OTHERS~~ SEE F1
5. ALL FIELD CONNECTIONS SHALL BE MADE WITH ⅞"Ø A325 HIGH STRENGTH BOLTS INSTALLED IN ACCORDANCE WITH 506.19
6. ALL BOLTS SHALL HAVE A HEAVY HEX NUT, HEX HEAD, AND ONE FLAT WASHER EACH (WASHER TO BE INSTALLED AT THE END THAT IS TURNED DURING TIGHTENING)
7. CONFIGURATION OF WELD JOINTS & WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH THE CURRENT PROVISIONS OF AWS D1.5
8. NON- DESTRUCTIVE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REFERENCED SPECIFICATIONS
9. ALL STEEL SHALL BE AASHTO M270 GR 50 (ASTM A709 GR. 50) U.N.O.
10. ERECTION MARKS SHALL BE LOCATED AS SHOWN ON THE ERECTION DRAWINGS
11. FAYING SURFACES OF BOLTED CONNECTIONS TO BE WIRE BRUSHED AFTER GALV.

REVIEWED
MAY 29
CPM CONSTRUCTORS

APPROVAL STAMP:
☒ NO EXCEPTION TAKEN ☐ MAKE CORRECTIONS NOTED
☐ REJECTED ☐ AMEND AND RESUBMIT
☐ SUBMIT SPECIFIED ITEM
CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE; FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF THE WORK WITH THAT OF ALL OTHER TRADES AND THE SATISFACTORY PERFORMANCE OF THE WORK.
CLOUGH HARBOUR & ASSOCIATES LLP
DATE: 5/24/07 BY:

MATERIAL	ELECTRODES	HOLES	SHOP BOLTS
NOTED	E-70XX		NONE

SURFACE PREP & PAINT:
SSPC SP-6, GALVANIZE IN ACCORDANCE WITH ASTM A123

DESCRIPTION: CAMBER DIAGRAM & ELEVATION	DRAWN BY:	DATE:
JOB: ST. JOHNSBURY VERMONT, TOWN HIGHWAY #85 OVER THE PASSUMPSIC RIVER BRIDGE #29	ETC	MAY 2007

CALDERWOOD ENGINEERING ETC, LLC RICHMOND, MAINE 04357 PH. (207) 737-4501

PROJ. NO. BRO-1447(19)

CUSTOMER: CPM CONSTRUCTORS, FREEPORT MAINE PH. (207) 865-0000

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

JOB NO.	DRG. NO.
02755	E2
REV.	⚠

Date:6/28/2007 Filename: ...\00\bridge\vnsta\E2_ERECTION.dgn