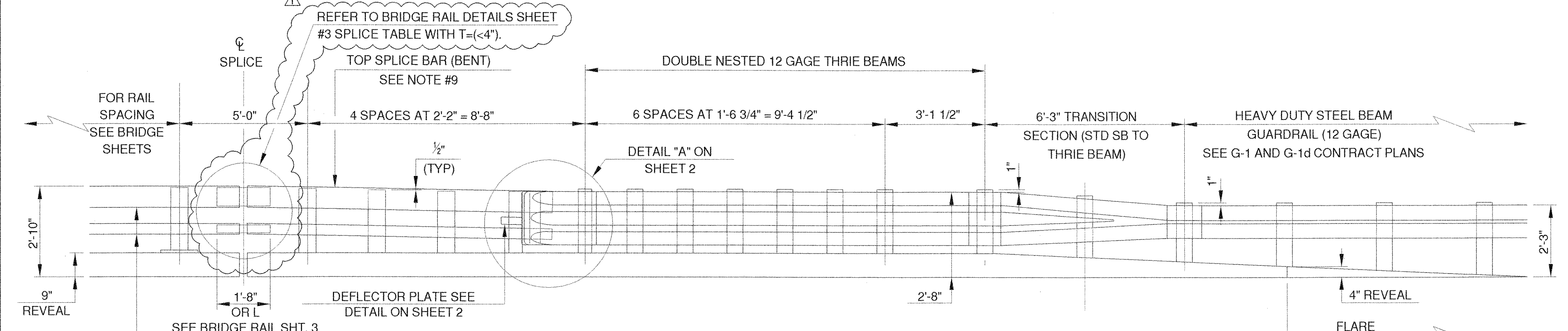
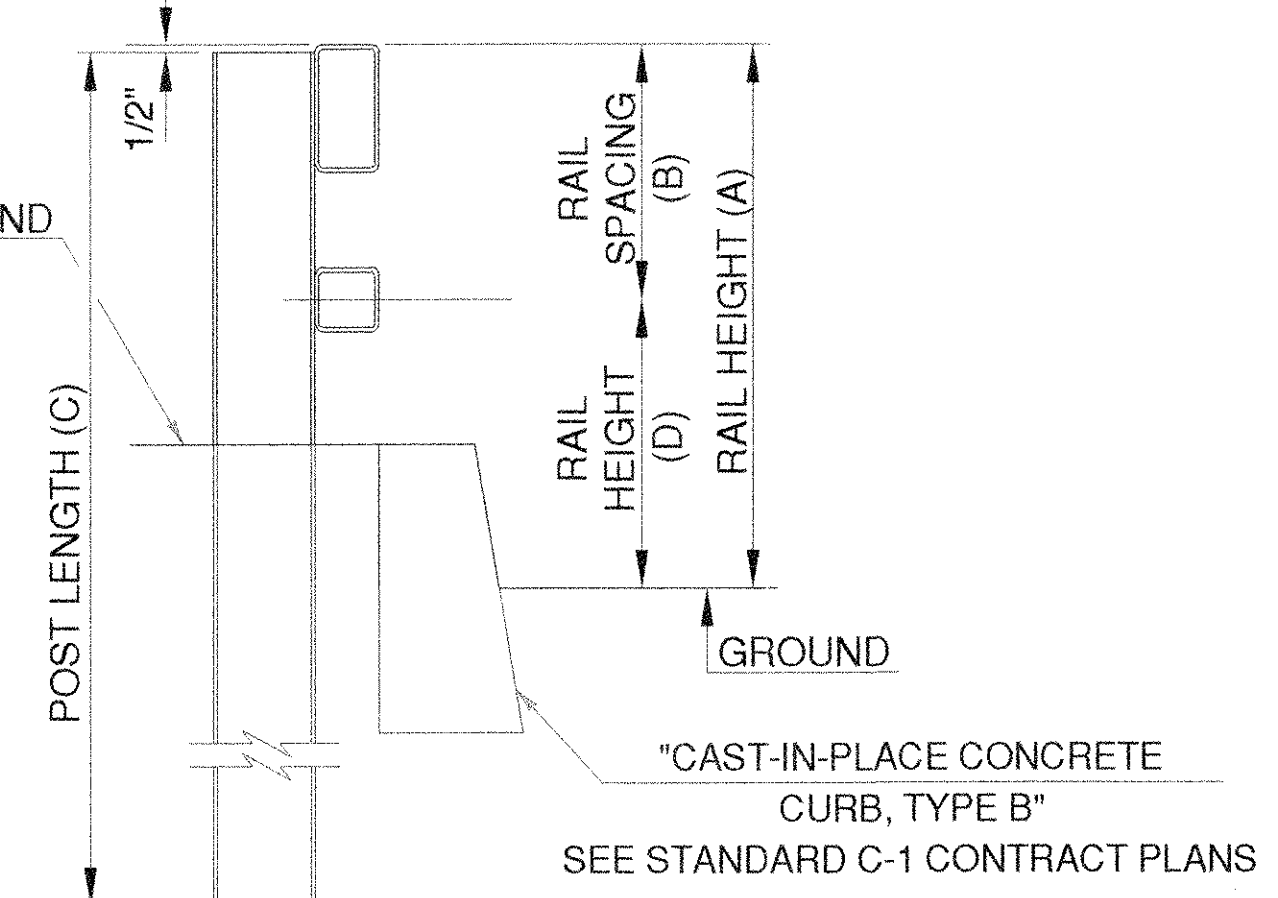
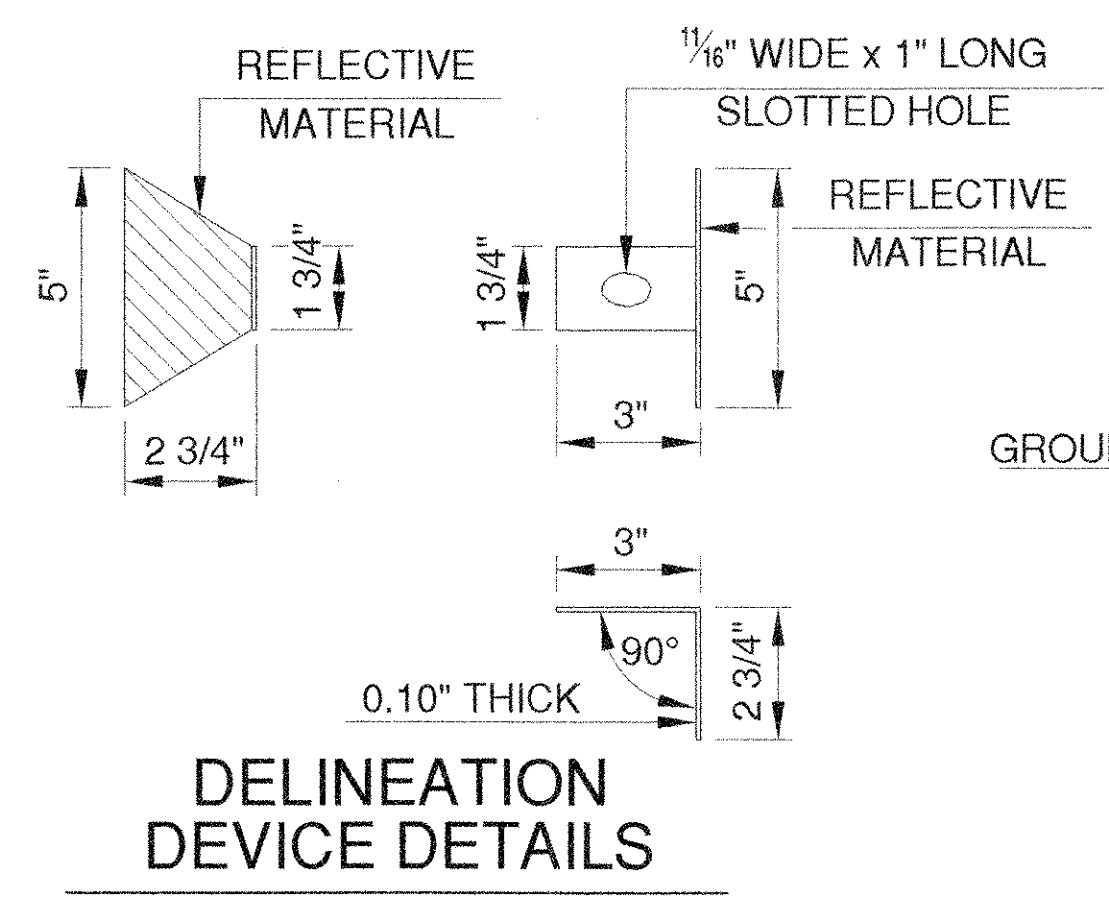
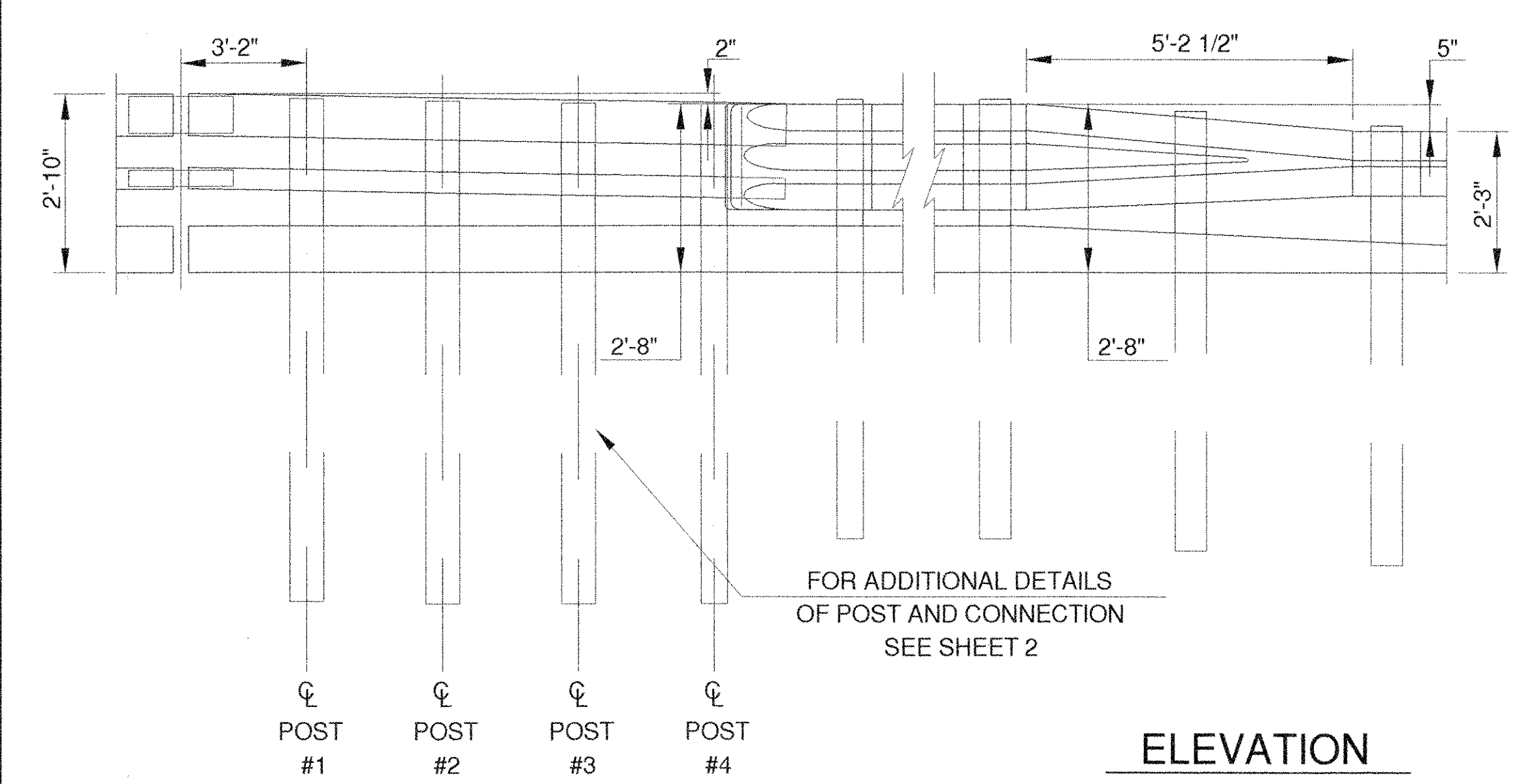


RAILING TRANSITION PLAN



RAILING TRANSITION ELEVATION



TYPICAL SECTION

POST NUMBER	RAIL HEIGHT (A)	RAIL SPACING (B)	POST LENGTH (C)	RAIL HEIGHT (D)
1	2'-9 1/2"	1'-3 1/4"	8'-0"	1'-5 3/4"
2	2'-9"	1'-3 1/2"	8'-0"	1'-5 1/2"
3	2'-8 1/2"	1'-3 1/8"	8'-0"	1'-5 1/8"
4	2'-8"	1'-2 7/8"	8'-0"	1'-5 1/8"

BRIDGE RAILING - NETC 2 RAIL - THRIE BEAM APPROACH RAIL

BILL OF MATERIAL

MARK OR USE	QTY.	SHAPE (AMERICAN)	SHAPE		REMARKS
			FT.	IN.	
ITEM NO. 621.72					
POST	16	W6X25	8	0	M270 GR.250(A36)
WOOD POST	36	6"x8"	7	0	728.01(a)SO. PINE
OFFSET BLOCK	36	6"x8"	1	6	A500 GR. B/W/EXP. SLOTS @ 1 END ONLY.
RAIL	4	T.S. 8"x4"x5/16" WALL	10	10 3/4	A500 GR. B/W/EXP. SLOTS @ 1 END ONLY.
RAIL	4	T.S. 4"x4"x1/4" WALL	10	10 3/4	A500 GR. B/W/EXP. SLOTS @ 1 END ONLY.
TOP DRIVE CAPS	4	PL. 1/4"x4"		8	A36 W/4 PL. 1/4"x1"x1"
BTM DRIVE CAPS	4	PL. 1/4"x4"		4	A36 W/4 PL. 1/4"x1"x1"
TRANS. RAIL	8	12 GA. THRIE BEAM	13	6 1/2	M180 CL. A TYPE II
TRANS. RAIL	4	12 GA. THRIE BEAM	7	3 1/2	M180 CL. A TYPE II
END SHOE	4	10 GA. THRIE BEAM	2	6	M180 CL. A TYPE II
BACKUP PL.	4	PL. 3/8"x20"	2	3	A36
DEFLECTOR PL.	4	PL. 3/8"x4"	1	0 1/2	A36
SILVER DELIN.	4	.10"x5"		5 3/4	B209 ALLOY 5052-H32 REFLECTIVE D4956
BOLT	4	3/4"Ø BTN. HEADED BOLT		1 1/2	A307 W/N, FW
BOLT	92	3/4"Ø CGE. BOLT		6	A307 W/N, LW
BOLT	72	5/8"Ø BTN. HEADED BOLT	1	5	A307 W/N, PLATE WASHER
CORR. SPL. BOLT	96	5/8"Ø CORR. SPL. BOLT		2	A307 W/N
CORR. SPL. BOLT	32	5/8"Ø CORR. SPL. BOLT		1 1/4	A307 W/N
BOLT	4	5/8"Ø HEX HEAD		1 1/2	A325-1 W/N, LW

NOTES

- REFER TO BRIDGE RAIL SHEET 3 FOR ADDITIONAL DETAILS, NOTES AND MATERIAL SPECIFICATIONS.
- PAYMENT FOR GUARD RAIL APPROACH SECTION - NETC 2 RAIL SHALL INCLUDE THE TERMINAL CONNECTOR, THE CONNECTION PLATE, THE DEFLECTOR PLATE, RAIL, POSTS, BLOCKS AND ATTACHMENT HARDWARE.
- THE REFLECTORIZED ALUMINUM DELINEATION IS TO BE ERRECTED EVERY 30'(OR CLOSEST POST) WITH A 5/8" DIAMETER BOLT. DELINEATORS SHALL MEET SPECIFICATION REQUIREMENTS FOR ASTM B209 ALLOY 5052-H32.
- REFLECTIVE MATERIAL SHALL MEET REQUIREMENTS OF SUBSECTION 750.08 AND SHALL BE OF ENCAPSULATED LENS SILVER OR AMBER. AMBER IS TO BE INSTALLED ON THE DRIVER'S LEFT AND SILVER ON THEIR RIGHT.
- ON BRIDGES WITH A SIDEWALK, DELINEATORS ARE NOT TO BE INSTALLED ON THE SIDEWALK SIDE OF THE BRIDGE (I.E. DELINEATORS INSTALLED ONLY ON THE CURB SIDE AND ON THE APPROACH ON THE CURB SIDE). PAYMENT SHALL BE SUBSIDIARY TO ALL OTHER ITEMS.
- ALL APPROACH RAIL SPLICES SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC FLOW.
- ALL BRIDGE APPROACH RAIL MATERIALS, DIMENSION SIZES AND NOTES SHALL BE THE SAME AS THOSE OF THE BRIDGE RAIL, UNLESS OTHERWISE NOTED.
- CARRIAGE BOLTS SHALL BE AASHTO M164(A325-1) AND NUTS SHALL BE ASTM A563 GRADE A OR BETTER (GALVANIZED).
- WELD TOP SPLICE BAR TO FIT BEND, IF REQ'D. USE COMPLETE PENETRATION WELD (B-U2).
- THE CONCRETE CURB WILL BE PAID FOR AS ITEM 616.28, "CAST-IN-PLACE CONCRETE CURB, TYPE B." PAY LIMIT FOR 2 RAIL= 122.3333FT. (APPROX.)

RECEIVED
 CK'D BY: *WTF* CK'D BY: _____
 MAY 11 2006
 RESUBMIT _____ APPROVED: *K*
 BY _____ DATE: 05/10/06

DRAWN BY: THW DATE: 3/28/06 CHECKED BY: DCK SHEET NO. 1 OF 2

TRANSITION RAILING LAYOUT
 STATE OF VERMONT AGENCY OF TRANSPORTATION
 VT. 9 (BR. 11) OVER ROARING BRANCH
 IN THE TOWN OF WOODFORD

CONT. NO. BHF010-1(29)
 GEN. CONT. RENAUD BROTHERS, INC.
 ERECTOR: RENAUD BROTHERS, INC.
 FABRICATOR: PH. (315)736-8312
 DI HIGHWAY SIGN & STRUCTURE CORPORATION
 P.O. BOX 123(40 GREENMAN AVE.) NEW YORK MILLS, N.Y. 13417

JOB NO. **R15-02**

ALL DIMENSIONS MUST BE FIELD VERIFIED PRIOR TO FABRICATION BY CONTRACTOR