

GENERAL NOTES

ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006 AND ITS LATEST REVISIONS.

DESCRIPTION	ASTM	ALLOY/GR.	REMARKS
RAILS, POSTS, SPLICES, CLAMP BARS, PINS,	B221	6061-T6 OR 6351-T5	MIN. YIELD STRENGTH Fy = 35,000 psi.
STAINLESS STEEL BOLTS	A193 A449	GRADE B8	
STEEL WASHERS	A563	GRADE DH	GALV. A153
END CAPS	F436		GALV. A153
ALUMINUM WASHERS	B26		356-F
PREFORMED PADS	B209	2024-T4	SECTION 731.01 OR 731.02
ELECTRODES FOR WELDING		AWS A5.10	ER5356

POSTS TO BE NORMAL TO GRADE AND RAILS SHALL BE PARALLEL TO GRADE. RAILS TO BE ATTACHED TO A MINIMUM OF THREE POSTS WHEN POSSIBLE.

ALL RAILS AND WELDS TO BE FREE FROM ALL BURRS AND ROUGH EDGES. ENDS OF TUBE SECTIONS SHALL BE SAWED OR MILLED. GRIND ALL CUT EDGES SMOOTH.

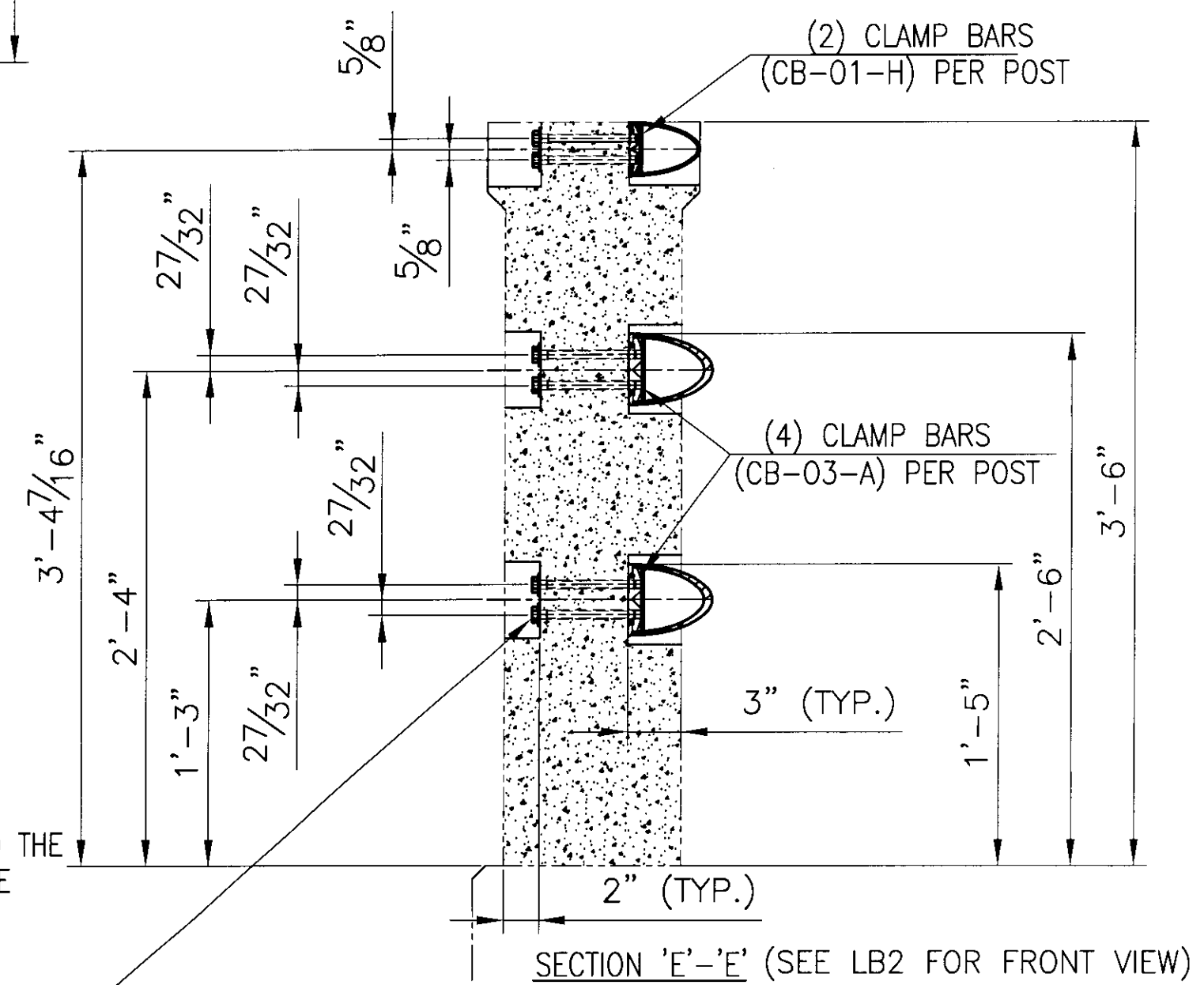
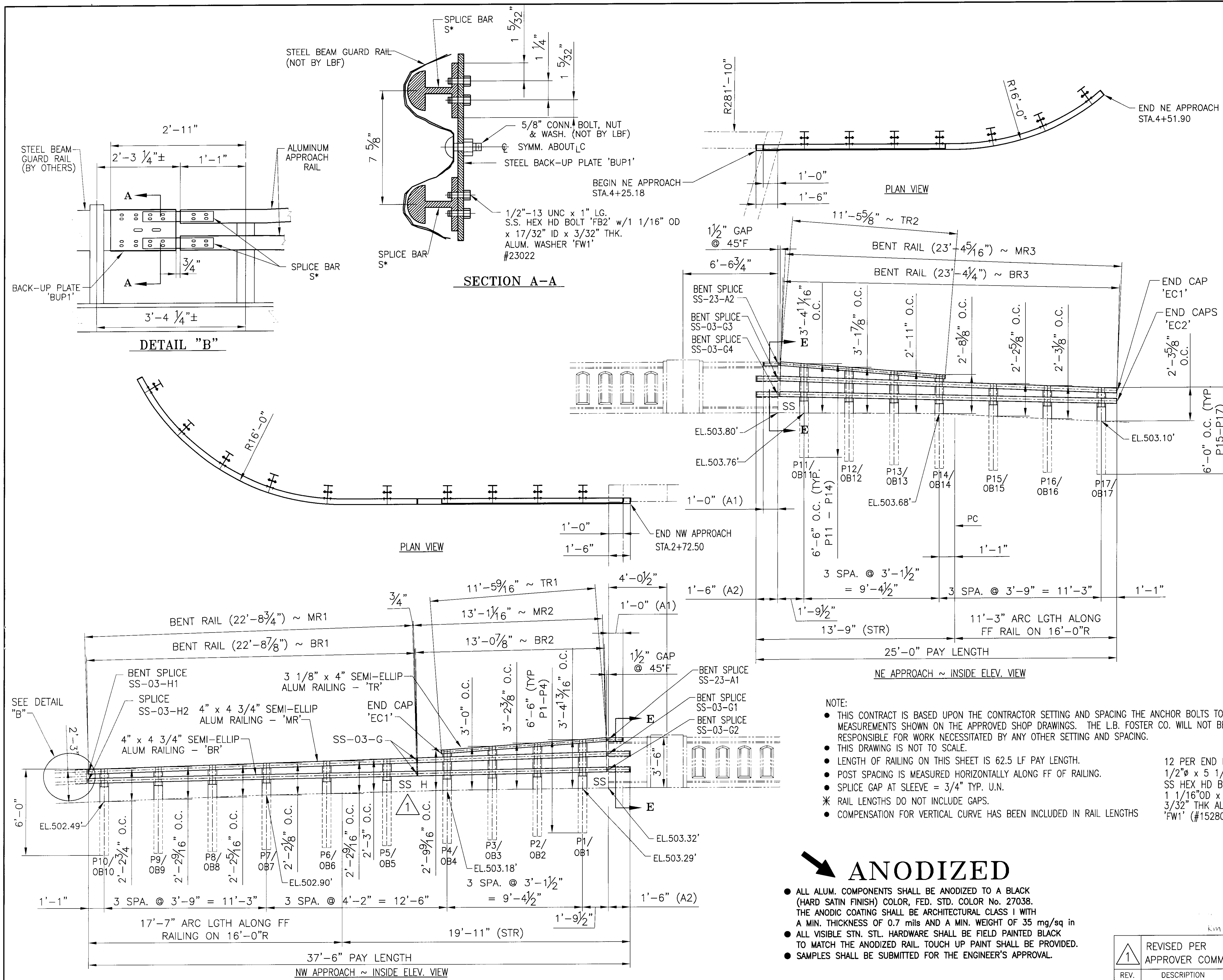
ALL THREADS TO BE UNC CLASS 2A/2B.

ALL EXTRUSION TOLERANCES NOT SHOWN SHALL BE IN ACCORDANCE WITH ASTM B221.

IF CUT THREADS ARE USED, BOLT DIAMETER SHALL NOT BE LESS THAN NOMINAL DIAMETER. IF ROLLED THREADS ARE USED, BOLT DIAMETER SHALL NOT BE LESS THAN THE ROOT DIAMETER OF THREADS.

THE SPLICE BAR SHALL BE ATTACHED TO THE RAIL ELEMENT AS FOLLOWS: THE RAIL SPLICE AT THE BRIDGE EXPANSION JOINT SHALL BE FASTENED ON BOTH SIDES OF THE RAIL SPLICE USING THE FULLY THREADED WASHER FACED BOLTS, TIGHTENED SECURELY TO THE END OF THREADS, AND LEAVING A 1/8" GAP. THIS ALLOWS EXPANSION ON BOTH SIDES OF THE JOINT.

ALL NUTS SHALL COMPLY WITH AMERICAN HEXAGON ANSI SPECIFICATIONS B18.2



- NOTE:**
- THIS CONTRACT IS BASED UPON THE CONTRACTOR SETTING AND SPACING THE ANCHOR BOLTS TO THE MEASUREMENTS SHOWN ON THE APPROVED SHOP DRAWINGS. THE L.B. FOSTER CO. WILL NOT BE RESPONSIBLE FOR WORK NECESSITATED BY ANY OTHER SETTING AND SPACING.
 - THIS DRAWING IS NOT TO SCALE.
 - LENGTH OF RAILING ON THIS SHEET IS 62.5 LF PAY LENGTH.
 - POST SPACING IS MEASURED HORIZONTALLY ALONG FF OF RAILING.
 - SPLICE GAP AT SLEEVE = 3/4" TYP. U.N.
 - * RAIL LENGTHS DO NOT INCLUDE GAPS.
 - COMPENSATION FOR VERTICAL CURVE HAS BEEN INCLUDED IN RAIL LENGTHS

12 PER END POST
 1/2"Ø x 5 1/2" LG.
 SS HEX HD BOLT 'FB3' w/
 1 1/16" OD x 17/32" ID
 3/32" THK ALUM WASHER
 'FW1' (#15280 & 19404)

BRIDGE No. 5
 PROJECT No. BHO 1448 (29)
 ITEM No: 900-640

APPROVED: _____ REC'D APPROVAL _____
 DRAWING _____

L.B. FOSTER COMPANY
 1016 GREENTREE ROAD
 PITTSBURGH, PENNSYLVANIA 15220

FOR: F. R. LAFAYETTE, INCORPORATED
 VERMONT AGENCY OF TRANSPORTATION
 TOWN OF JOHNSON, COUNTY OF LAMOILLE
 APPROACH RAILING FOR TH No 1 OVER THE GHON RIVER
 3L ALUM BRIDGE APPROACH RAILING ~ ELEVATION VIEWS

MADE CMS DATE 10/24/09 JOB No. AR0573 CUST. No.
 CHECK BLJ DATE 11/06/09 DRAWING LB1 REV. No. ONE

ANODIZED

- ALL ALUM. COMPONENTS SHALL BE ANODIZED TO A BLACK (HARD SATIN FINISH) COLOR, FED. STD. COLOR No. 27038. THE ANODIC COATING SHALL BE ARCHITECTURAL CLASS I WITH A MIN. THICKNESS OF 0.7 MILS AND A MIN. WEIGHT OF 35 mg/sq IN.
- ALL VISIBLE STN. STL. HARDWARE SHALL BE FIELD PAINTED BLACK TO MATCH THE ANODIZED RAIL TOUCH UP PAINT SHALL BE PROVIDED.
- SAMPLES SHALL BE SUBMITTED FOR THE ENGINEER'S APPROVAL.

REV.	DESCRIPTION	BY	DATE
1	REVISED PER APPROVER COMMENTS	CMS	01/11/10