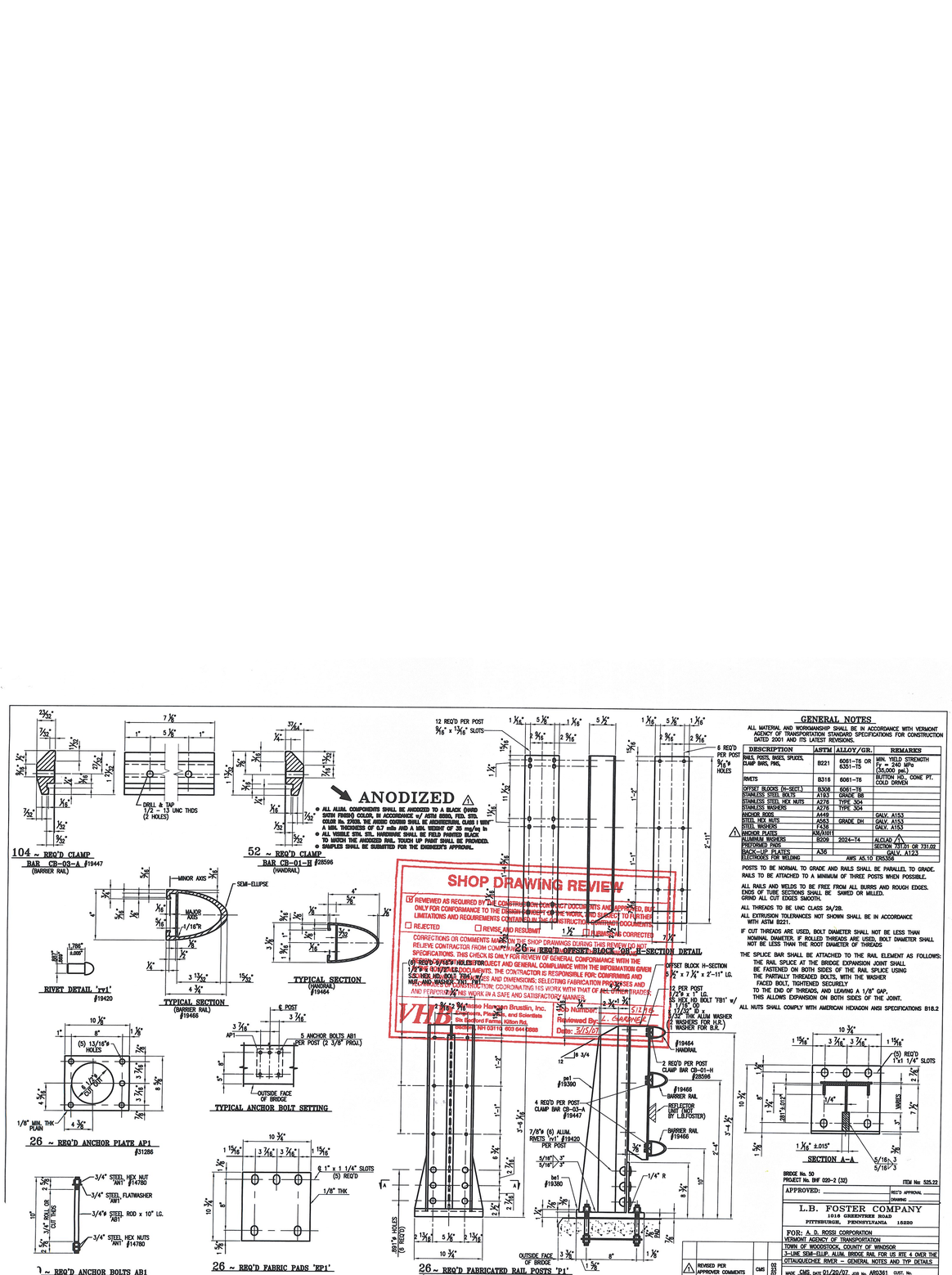

GENERAL NOTES

ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001 AND ITS LATEST REVISIONS.

DESCRIPTION	ASTM	ALLOY/GR.	REMARKS
RAILS, POSTS, ANGEL SPLICES, CLAMP BARS, PNG.	B221	6061-T6 OR 6351-T5	MIN. YIELD STRENGTH Fy = 240 MPa (35,000 psi.)
RIVETS	B316	6061-T6	BUTTON HD., CONE PT., COLD DRIVEN
OFFSET BLOCKS (H-SECT.)	B308	6061-T6	
STAINLESS STEEL BOLTS	A193	GRADE B8	
STAINLESS STEEL HEX NUTS	A275	TYPE 304	
STAINLESS WASHERS	A276	TYPE 304	
ANCHOR BOLTS	A449		GALV. A153
STEEL HEX NUTS	A563	GRADE DH	GALV. A153
STEEL WASHERS	F436		GALV. A153
⚠1 ANCHOR PLATES	A36/A501		GALV. A123
ALUMINUM WASHERS	B209	2024-T4	ALCLAD ⚠1
PREFORMED PADS			SECTION 707.01 OR 731.02
BACK-UP PLATES	A36		GALV. A123
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 PARTIALLY THREADED BOLTS, WITH THE WASHER FACED BOLT, 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

NO.	REVISED PER APPROVER COMMENTS	CMS	05/15/07
REV.	DESCRIPTION	BY	DATE

BRIDGE No. 50
PROJECT No. BRF 020-2 (32) ITEM No: 525.22
APPROVED: _____ RSCT'S APPROVAL
DRAWING

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

FOR: A. D. ROSSI CORPORATION
VERMONT AGENCY OF TRANSPORTATION
TOWN OF WOODSTOCK, COUNTY OF WINDSOR
3-LINE SEMI-ELLIP. ALUM. BRIDGE RAIL FOR US RTE 4 OVER THE OTTAUQUECHEE RIVER -- GENERAL NOTES AND TYP. DETAILS

MADE CMS DATE 01/20/07 JOB No. AR0361 CUST. No.
CHECK RJ DATE 01/29/07 DRAWING 1R1 REV. No. ONE