

**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	GRADE B8	
END CAPS	B26		356-F
BACKUP PLATE	A36		GALV. A123 AFTER FAB.
ALUMINUM WASHERS	B209	2024-T4	
PREFORMED PADS			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.

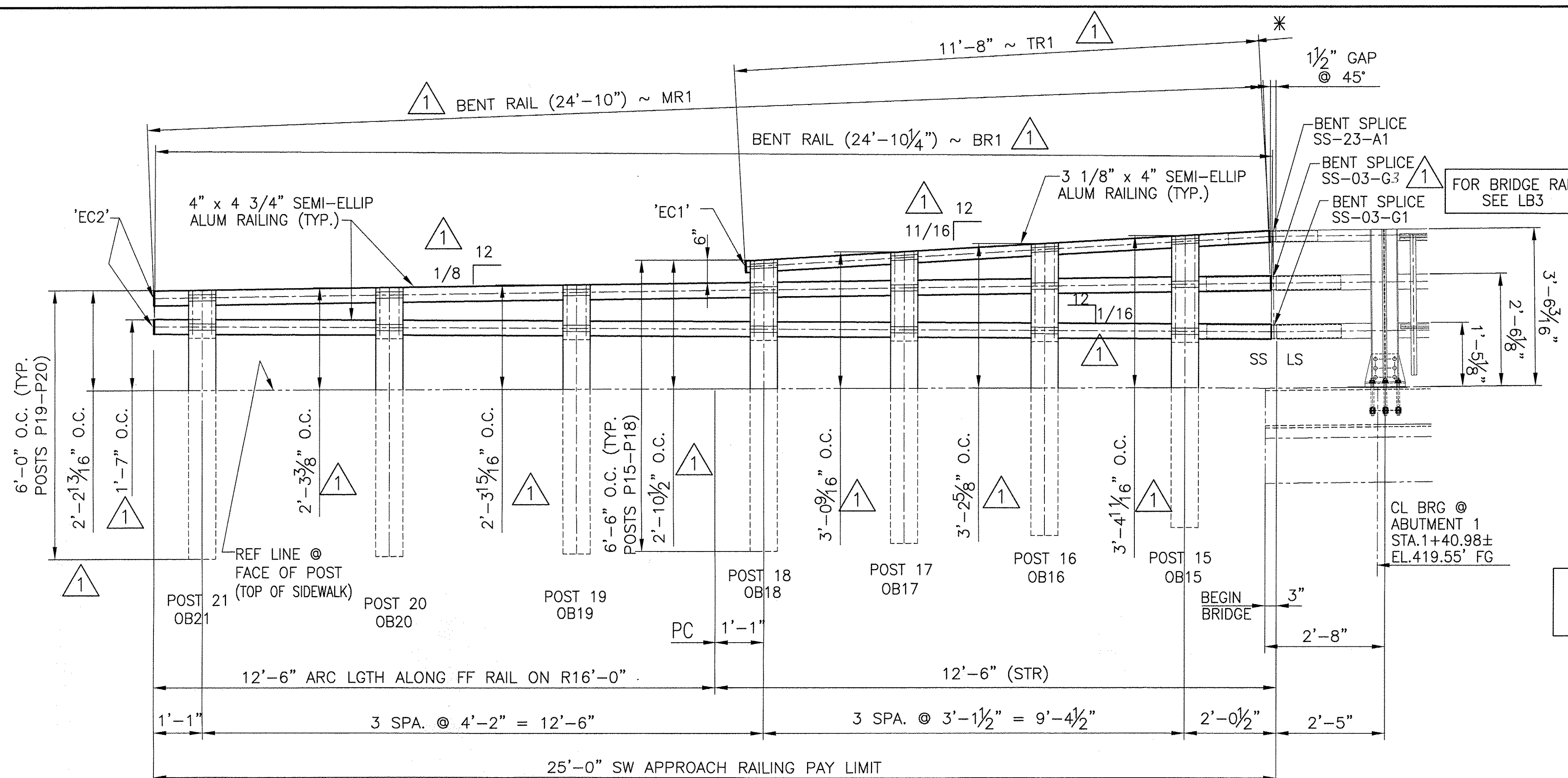
IF CUT THREADS ARE USED, BOLT DIAMETER SHALL NOT BE LESS THAN NOMINAL DIAMETER. IF ROLLED THREADS ARE USED, BOLT DIAMETER SHALL NOT BE LESS THAN THE ROOT DIAMETER OF THREADS

THE SPLICE BAR SHALL BE ATTACHED TO THE RAIL ELEMENT AS FOLLOWS:

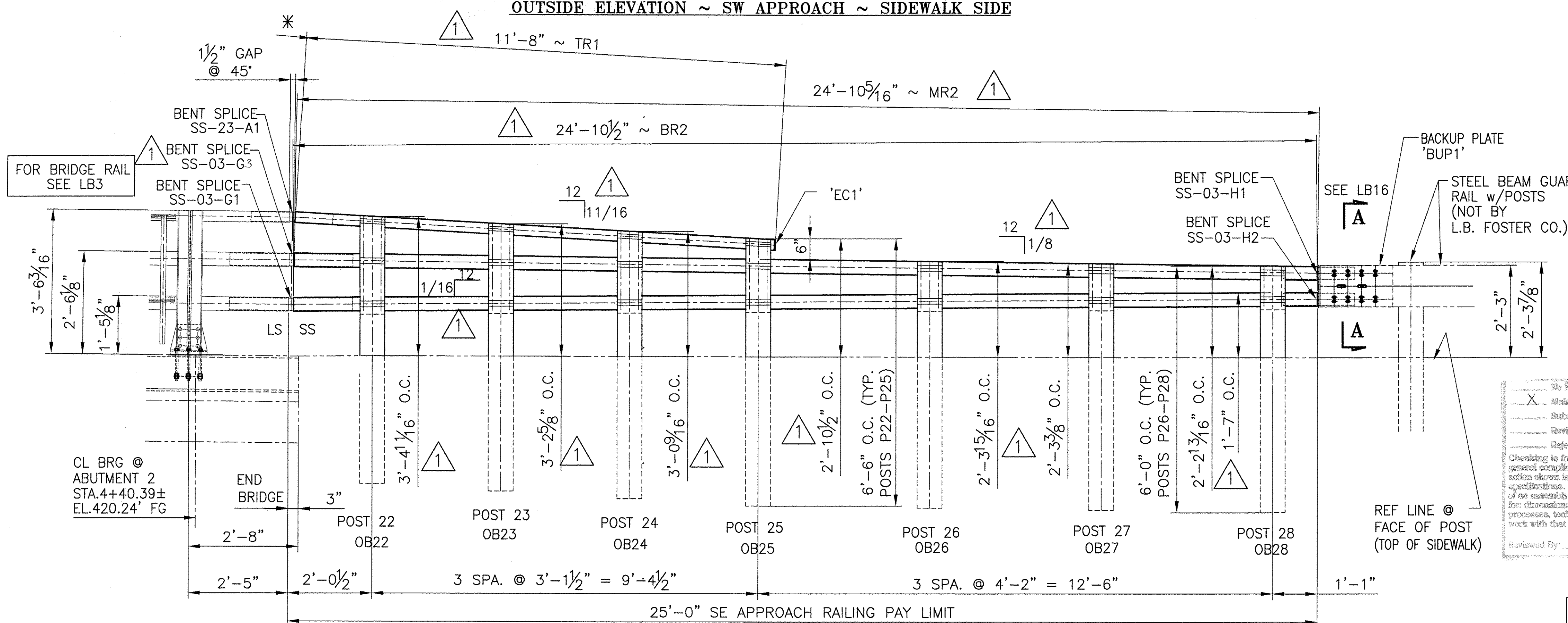
THE RAIL SPLICE AT THE BRIDGE EXPANSION JOINT SHALL BE FASTENED ON BOTH SIDES OF THE RAIL SPLICE USING THE FULLY THREADED WASHER FACED BOLTS, TIGHTENED SECURELY TO THE END OF THREADS, AND LEAVING A 1/8" GAP, THIS ALLOWS EXPANSION ON BOTH SIDES OF THE JOINT.

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

SS = SHORT SLOTTED SIDE  
LS = LONG SLOTTED SIDE



**OUTSIDE ELEVATION ~ SW APPROACH ~ SIDEWALK SIDE**



**OUTSIDE ELEVATION ~ SE APPROACH ~ SIDEWALK SIDE**

- 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 APPROACH RAILING ON THIS SHEET IS 50 LF PAY LENGTH.
  - POST SPACING IS MEASURED ALONG FF OF RAILING.
  - SPLICE GAP AT SLEEVE = 1 1/2" TYP.
  - \* RAIL LENGTHS DO NOT INCLUDE GAPS.
  - COMPENSATION FOR VERTICAL CURVE IS INCLUDED IN RAIL LGTHS.

**ANODIZED**  
(SEE NOTES ON LB1)

Checked by: *Shanta Keller* Date: 3/21/10  
T-Y-L INTERNATIONAL  
Checklist for general compliance with the design concept of the project as shown on the drawings. Any action shown on a specific item shall not constitute the checking of an assembly of which the item is a component. Contractor is solely responsible for dimensions which shall be confirmed and coordinated at the job site, including processes, techniques of construction, safety precautions, and coordination of work with that of all other trades and the satisfactory performance of its work.

BRIDGE No. 30  
PROJECT No. BHF 0283 (9) S  
ITEM No: 621.745

APPROVED:	REC'D APPROVAL
<b>L.B. FOSTER COMPANY</b> 1016 GREENTREE ROAD PITTSBURGH, PENNSYLVANIA 15220	
FOR: A.D. ROSSI CORPORATION VERMONT AGENCY OF TRANSPORTATION TOWN OF BERKSHIRE, COUNTY OF FRANKLIN 3-LINE SEMI-ELLIP. ALUM. APPROACH RAIL FOR VT RTE 118	
OUTSIDE ELEVATIONS ~ SIDEWALK SIDE	
MADE	CMS DATE 02/17/10 JOB No. AR0624 CUST. No.
CHECK	DATE DRAWING LB8 REV. No. ONE

REV.	DESCRIPTION	BY	DATE
1	REVISED PER APPROVER COMMENTS	CMS	03/23/10