

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
RAIL POST SPICE	8221 6061-T6 OR 6351-T6	MIN. YIELD STRENGTH Fy = 38,000 PSI
CLAMP AND WELDED BALLASTERS	8221 6061 OR 6063	1/4" USED FOR SUPERIOR EXPANDING QUALITIES
SET SCREWS FOR BALLASTERS	1580 1/4" X 3/16"	
STAINLESS STEEL BOLTS	A193 GRADE B9	
WASHER BOLTS	A449	6061 ALUM.
STEEL HEX NUTS	A563 GRADE 1H	6061 ALUM.
STEEL WASHERS	F436	6061 ALUM.
ALUMINUM WASHERS	B209 2024-T3	ALUMINUM
ALUMINUM WASHERS	B209 6061-T6	ALUMINUM

ANCHORS FOR BRIDGES: AISC A310 6061-T6

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 HELDS TO BE FREE FROM ALL BURRS AND ROUGH EDGES. ENDS OF TUBE SECTIONS SHALL BE SAWN OR MILLED. BRIDG ALL CUT EDGES SMOOTH.

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

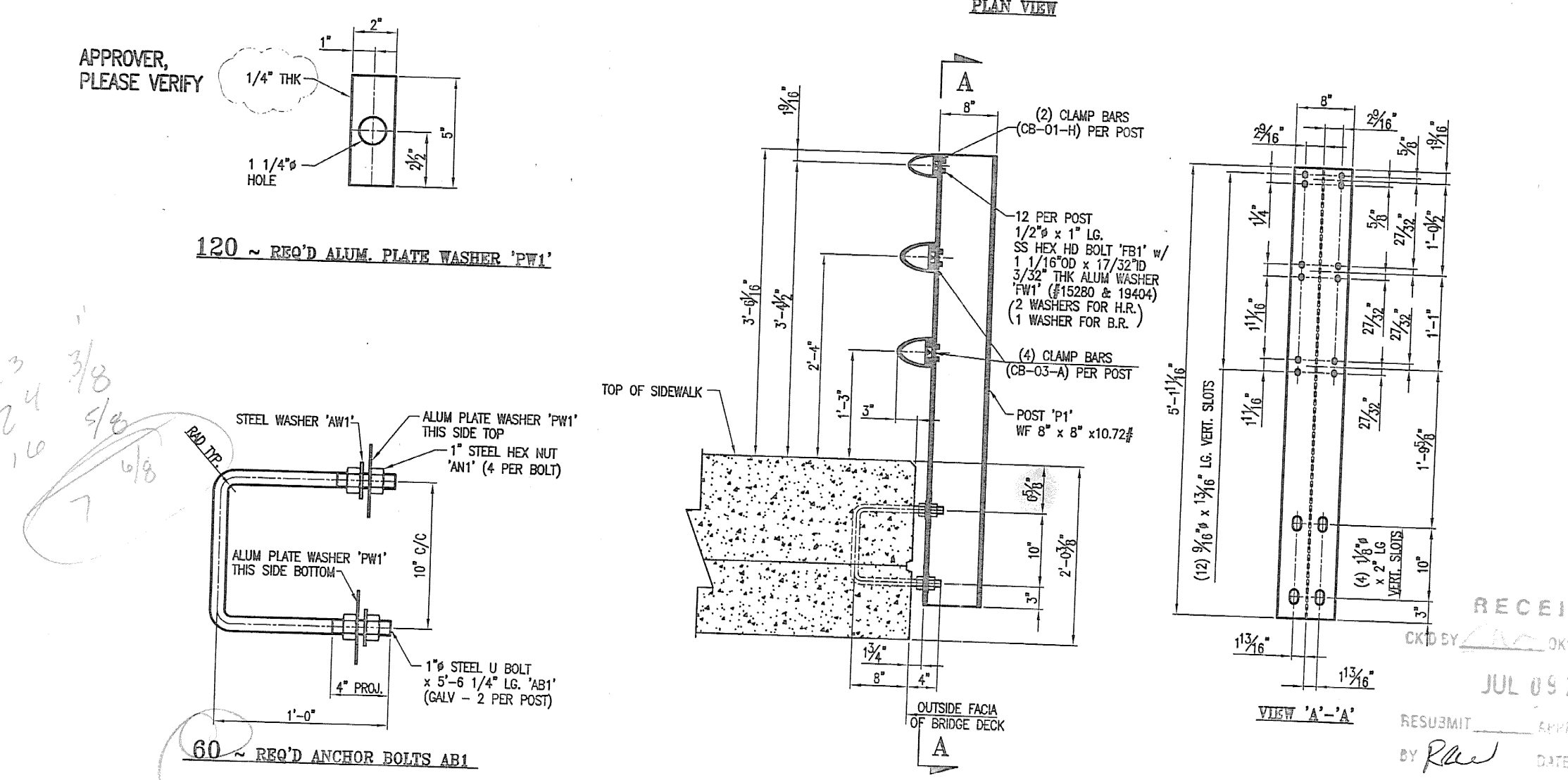
ALL EXTRUSION TOLERANCES NOT SHOWN SHALL BE IN ACCORDANCE WITH ASTM B221.

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

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

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



ANODIZED

- ALL ALUM. COMPONENTS SHALL BE ANODIZED TO A BLACK FINISH.
- ANODIZING SHALL BE PERFORMED IN ACCORDANCE WITH MIL-STD-883C METHOD 1010.1.
- THE ANODIZING SHALL BE ARCHITECTURAL CLASS II WITH A MIN. THICKNESS OF 0.7 mils AND A MIN. VOLTAGE OF 300 VDC IN TO EACH THE ANCHORED RAIL. THIS PROVIDES PROTECTIVE BLACK.
- SAMPLES SHALL BE SUBMITTED FOR THE ENGINEER'S APPROVAL.

1/4" CRUSHED THRO PORTION WASHER FACED HEX HD BOLT (FULLY THRO) FBZ #23022

TACK WELD TO BOLT HEAD

RECEIVED SPICE BOLT DETAILS

PROJECT No. 022 1441(09) 0/2 ITEM No. 900.640

APPROVED: [Signature] DATE: [Date]

RESUBMIT: [Signature] DATE: 7/24/08

L.B. FOSTER COMPANY
1018 GREENVIEW ROAD
PITTSBURGH, PENNSYLVANIA 15220

FOR: A. D. ROSSI CORPORATION
VERMONT AGENCY OF TRANSPORTATION
TOWN OF JOHNSON COUNTY OF BENNINGTON
BRIDGE BUILDING FOR BRIDGE #411 IN R4, 01.3 (LOCAL)
ALUM. BRIDGE RAILING - GENERAL NOTES & TYP. DETAILS

DATE: 08/23/08, JOB No. 080485, DIST. No. 080485, DATE 08/23/08, DRAWING 181, REV. No.