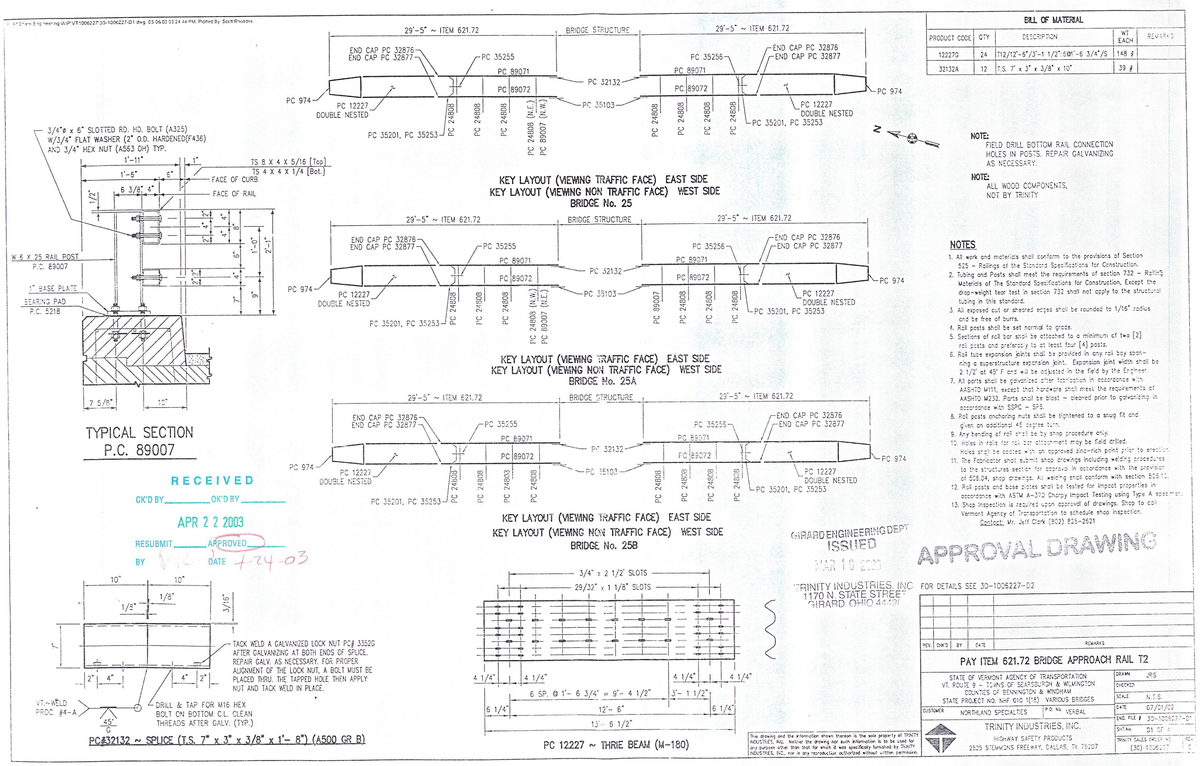

NOTE:
FIELD DRILL BOTTOM RAIL CONNECTION HOLES IN POSTS. REPAIR GALVANIZING AS NECESSARY.

NOTE:
ALL WOOD COMPONENTS, NOT BY TRINITY

BILL OF MATERIAL

PRODUCT CODE	QTY	DESCRIPTION	WT. EACH	REMARKS
12227G	24	712/12'-6"/3'-1 1/2"-5@"-6 3/4"/S	148 #	
32132A	12	T.S. 7" x 3" x 3/8" x 10"	39 #	

NOTES

1. All work and materials shall conform to the provisions of Section 525 – Railings of the Standard Specifications for Construction.
2. Tubing and Posts shall meet the requirements of section 732 – Railing Materials of The Standard Specifications for Construction. Except the drop-weight tear test in section 732 shall not apply to the structural tubing in this standard.
3. All exposed cut or sheared edges shall be rounded to 1/16" radius and be free of burrs.
4. Rail posts shall be set normal to grade.
5. Sections of rail box shall be attached to a minimum of two [2] rail posts and preferably to at least four [4] posts.
6. Rail tube expansion joints shall be provided in any rail bay spanning a superstructure expansion joint. Expansion joint width shall be 2 1/2" at 45° F and will be adjusted in the field by the Engineer.
7. All parts shall be galvanized after fabrication in accordance with AASHTO M111, except that hardware shall meet the requirements of AASHTO M232. Parts shall be blast – cleaned prior to galvanizing in accordance with SSPC – SP8.
8. Rail posts anchoring nuts shall be tightened to a snug fit and given an additional 45 degree turn.
9. Any bending of rail shall be by shop procedure only.
10. Holes in rails for rail box attachment may be field drilled. Holes shall be coated with an approved zinc-rich paint prior to erection.
11. The Fabricator shall submit shop drawings including welding procedures to the structures section for approval in accordance with the provision of 105.04, shop drawings. All welding shall conform with section 506.12.
12. Rail posts and base plates shall be tested for impact properties in accordance with ASTM A-370 Charpy Impact Testing using Type A specimen.
13. Shop inspection is required upon approval of drawings. Shop to call Vermont Agency of Transportation to schedule shop inspection. Contact: Mr. Jeff Clark (802) 828-2621

RECEIVED
OK'D BY _____ OK'D BY _____
APR 2 2 2003
RESUBMIT _____ APPROVED _____
BY _____ DATE 4-24-03

GIRARD ENGINEERING DEPT
ISSUED
MAR 10 2003

TRINITY INDUSTRIES, INC
1170 N. STATE STREET
GIRARD OHIO 44420

APPROVAL DRAWING

FOR DETAILS SEE 30-1006227-02

REV.	OK'D	BY	DATE	REMARKS

PAY ITEM 621.72 BRIDGE APPROACH RAIL T2

STATE OF VERMONT AGENCY OF TRANSPORTATION
VT. ROUTE 9 – TOWNS OF SEARSBURGH & WILMINGTON
COUNTIES OF BENNINGTON & WINDHAM
STATE PROJECT NO. NHF 019 1(18) VARIOUS BRIDGES
CUSTOMER NORTHLAND SPECIALTIES P.O. No. VERBAL

DRAWN JRS
CHECKED
SCALE N.T.S.
DATE 07/01/02
ENG FILE # 30-1006227-01
SHTNO 01 OF 1

TRINITY INDUSTRIES, INC.
HIGHWAY SAFETY PRODUCTS
2525 STEMMONS FREEWAY, DALLAS, TX 75207
TRINITY SALES DESK NO. (30) 1006227

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