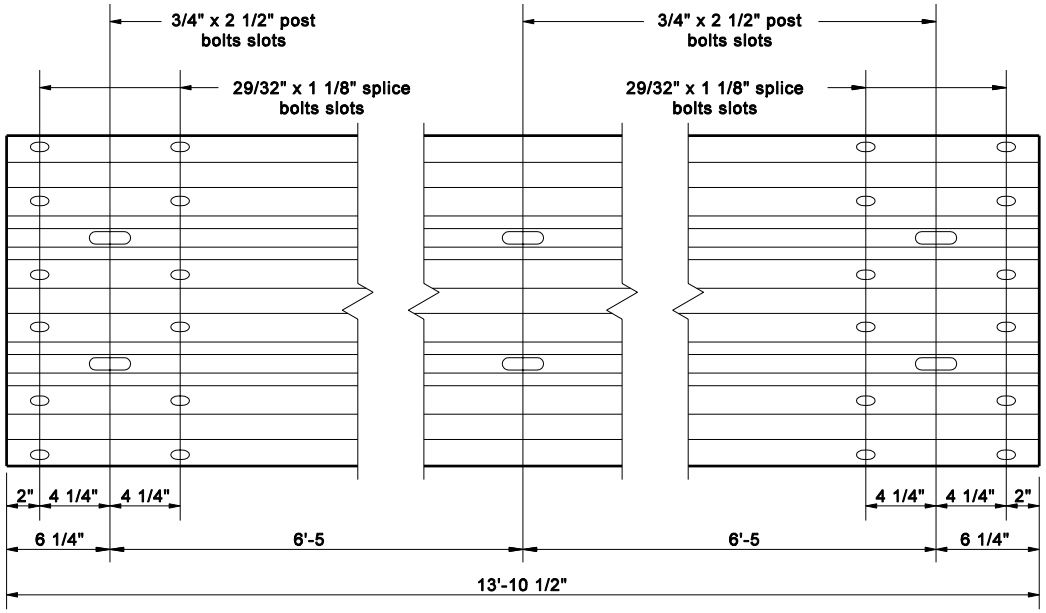
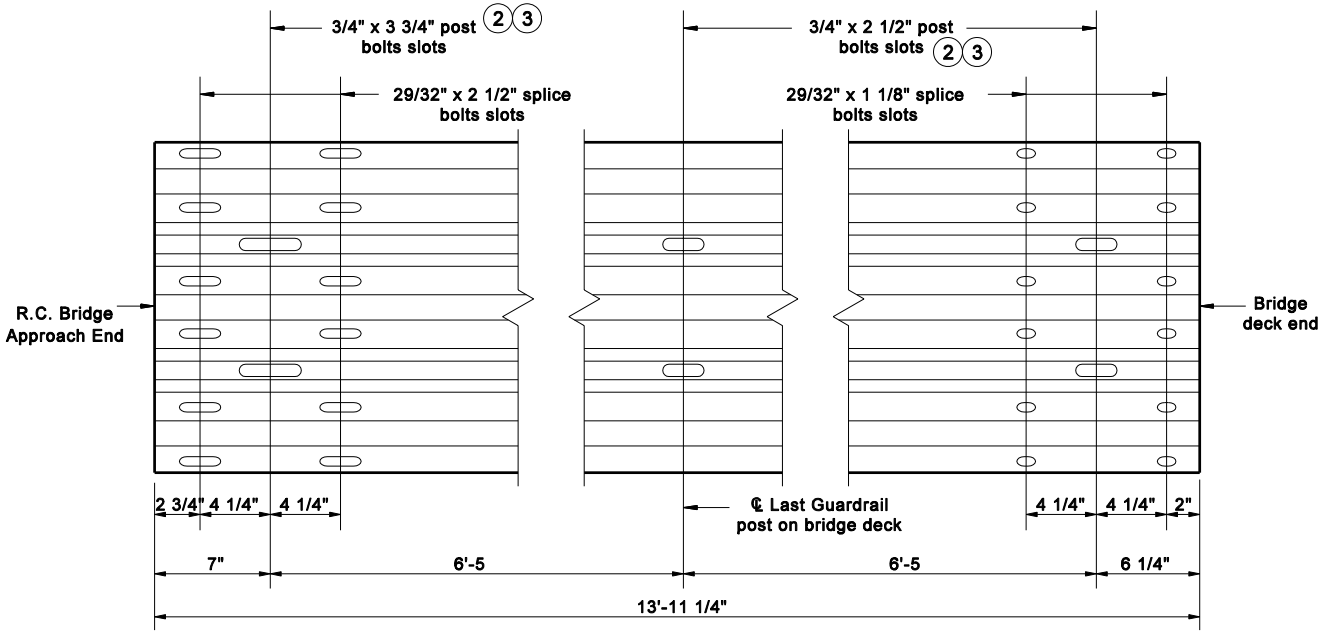


THRIE BEAM ELEVATION



THRIE BEAM EXPANSION ELEMENT ELEVATION

NOTE:

1. All thrie beam bridge railing elements are 10 gage.
2. Hand tighten the post bolts on thrie beam expansion elements and burr the bolt threads.
3. Expansion allowed = ± 7/8"; therefore, the maximum length of bridge which this accomodates is160 ft. for steel or 190 ft. for concrete.

INDIANA DEPARTMENT OF TRANSPORTATION

RETROFIT THRIE BEAM BRIDGE RAILING TR COMPONENTS

SEPTEMBER 2006

STANDARD DRAWING NO. E 706-TBRE-01

RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave 9-01-06
DESIGN STANDARDS ENGINEER DATE

/s/ Richard K. Smutzer 9-01-06
CHIEF HIGHWAY ENGINEER DATE