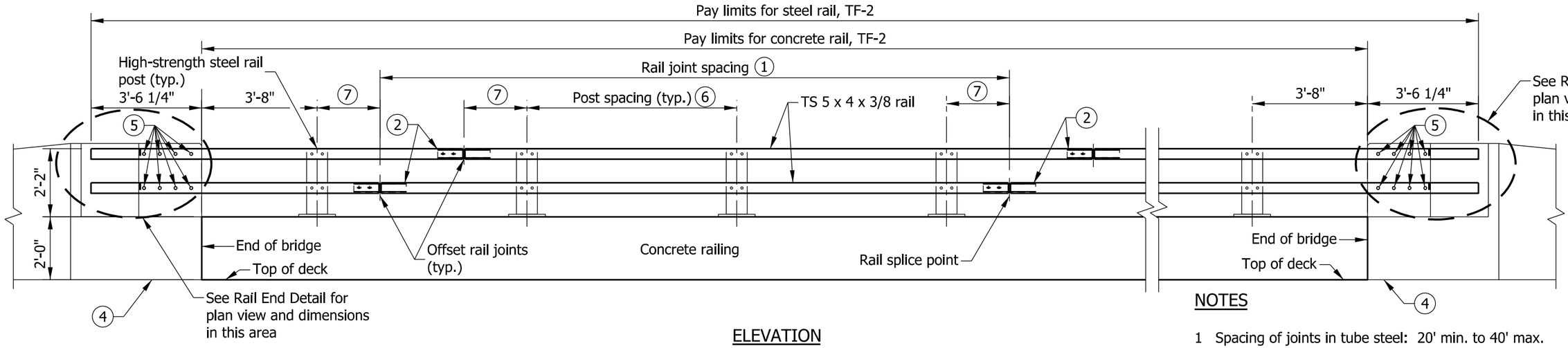
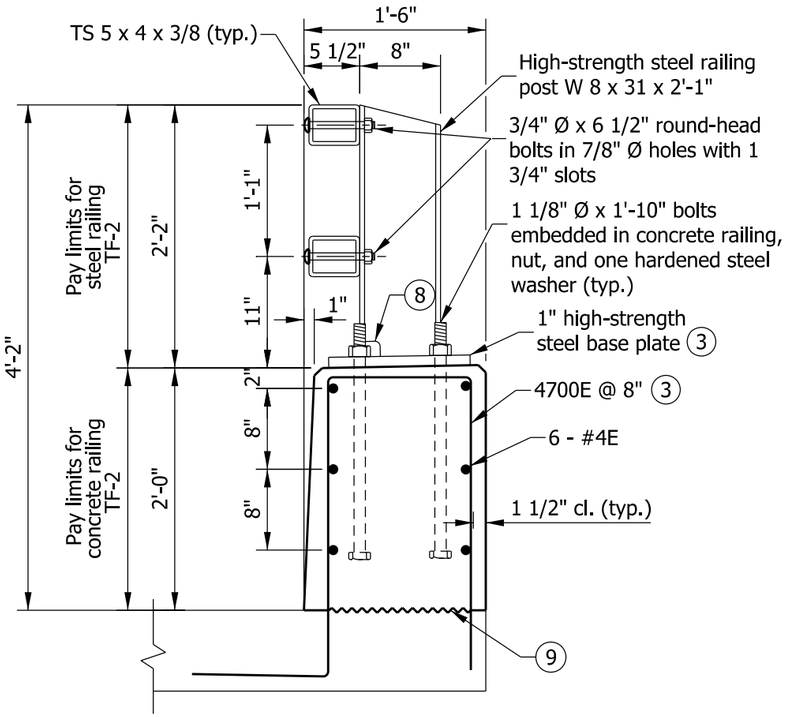
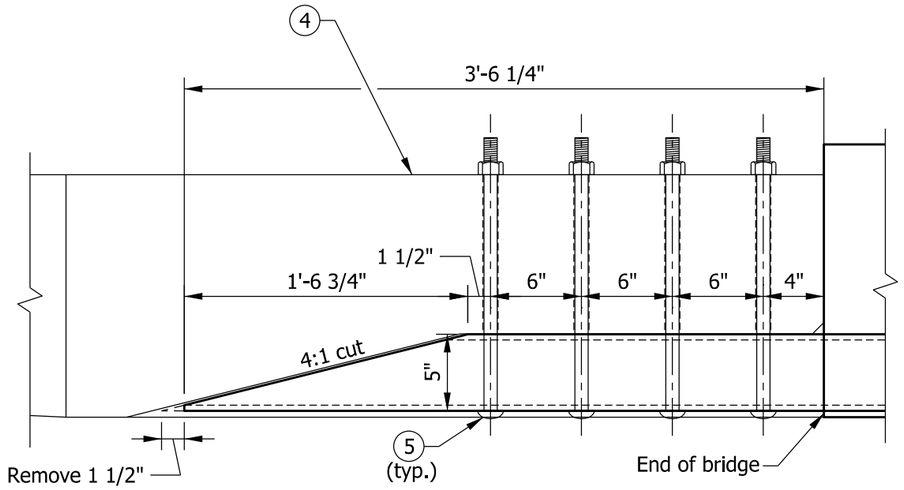


ELEVATION



TYPICAL SECTION



RAIL END DETAIL
(Plan view of both TS 5 x 4 x 3/8 rails)

QUANTITIES FOR ONE RUNNING FOOT OF RAILING	
Concrete, class C	2.92 CFT
Reinforcing bars	11.0 LBS

NOTES

1. Spacing of joints in tube steel: 20' min. to 40' max.
2. See Standard Drawing E 706-BRTF-02 for railing tube details and rail splice details.
3. See Standard Drawing E 706-BRTF-03 for base plate details and reinforcing-bar bends.
4. Concrete bridge railing transition type TTF-2. See Standard Drawings E 706-TTTF-01 through -04 for details.
5. 7/8" Ø x 1'-6" round-head bolt in 1" Ø hole. Hole is to be slotted as required for expansion.
6. Spacing of rail posts: 4'-0" min. to 7'-6" max.
7. Distance from centerline of rail splice to centerline of rail post: 18" min. to 30" max.
8. Weld-access hole. See Standard Drawing E 706-BRTF-03 for detail.
9. Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING, TF-2

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-BRTF-01

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

/s/ Richard L. Van Cleave 09/04/12
SUPERVISOR, ROADWAY STANDARDS DATE

/s/ Mark A. Miller 09/04/12
CHIEF ENGINEER DATE