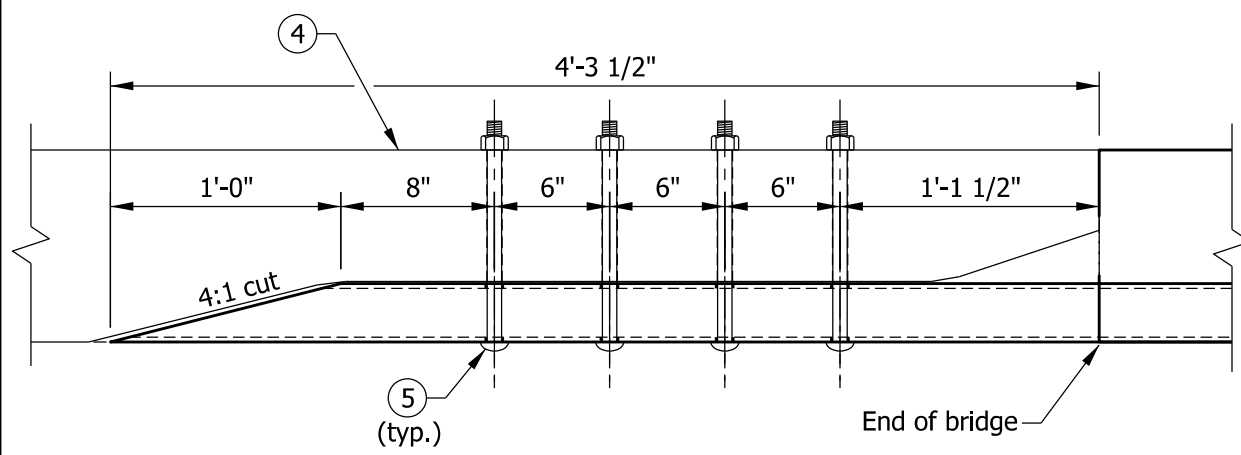


ELEVATION

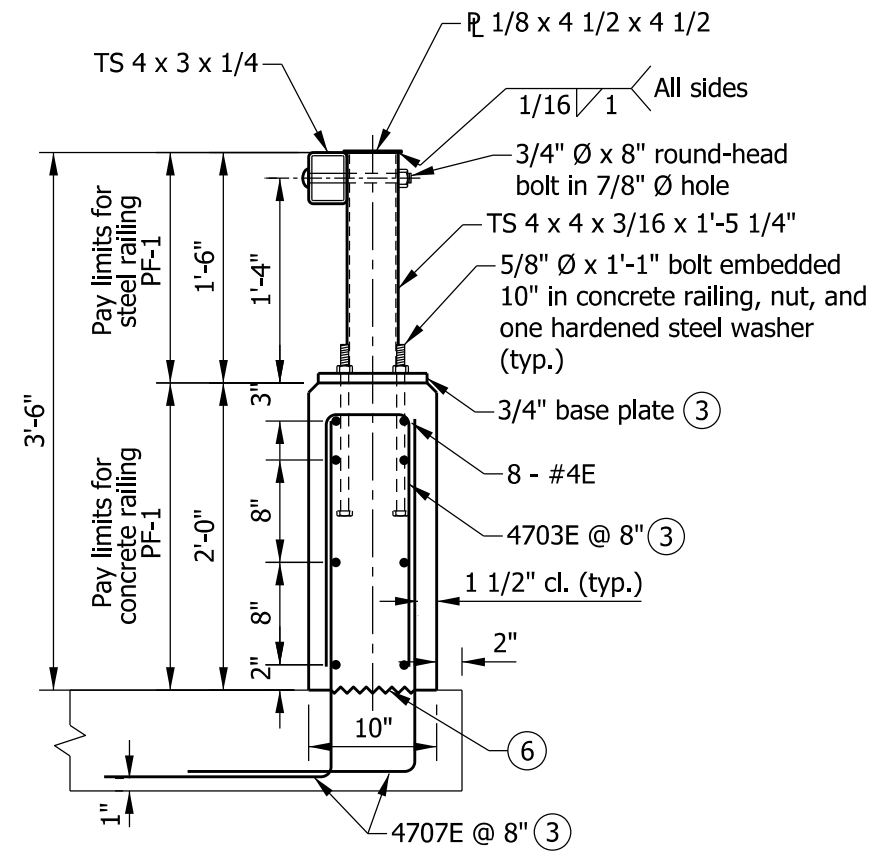
NOTES

1. See Standard Drawing E 706-BRPP-06 for General Notes (1).
- (2) See Standard Drawing E 706-BRPP-05 for rail tube details and rail splice details.
- (3) See Standard Drawing E 706-BRPP-06 for base plate detail and reinforcing-bar bends.
- (4) Concrete bridge railing transition, TPF-1. See Standard Drawings E 706-TTPP-01 and -02 for details.
- (5) 3/4" Ø x 11 1/2" round-head bolt in 7/8" Ø hole. Hole shall be slotted as required for expansion.
- (6) Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.



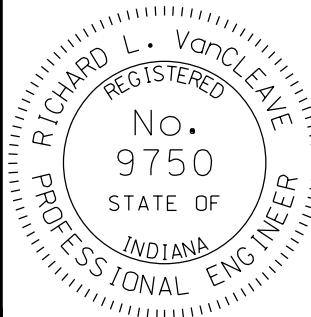
Plan view of TS 4 x 3 x 1/4

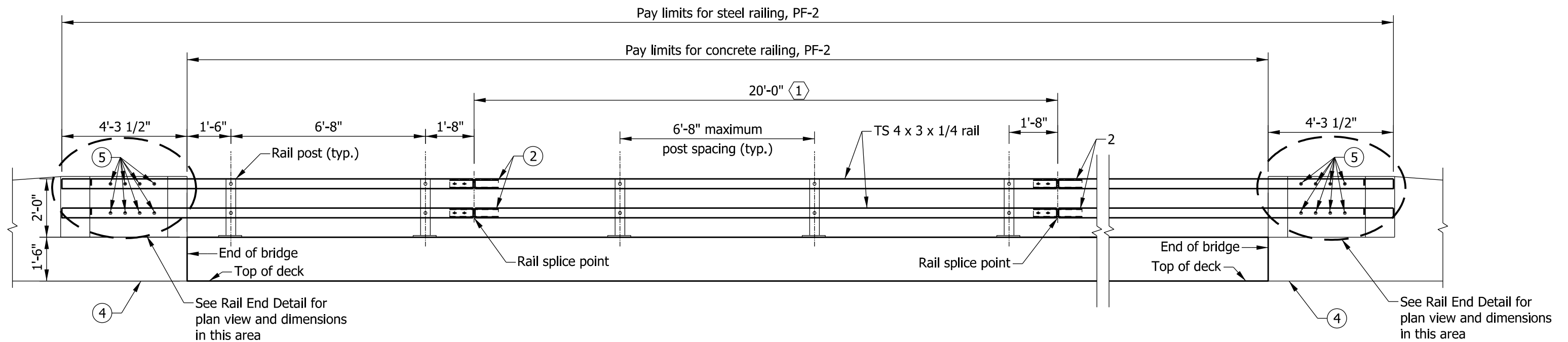
RAIL END DETAIL



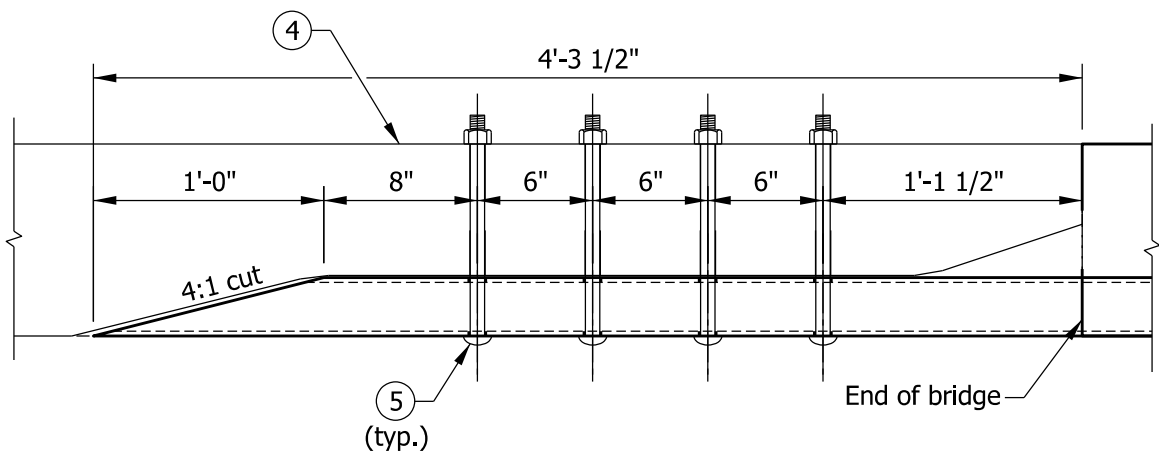
TYPICAL SECTION

QUANTITIES FOR ONE RUNNING FOOT OF RAILING	
Concrete, class C	1.66 CFT
Reinforcing bars	17.0 LBS

INDIANA DEPARTMENT OF TRANSPORTATION	
RAILING, PF-1	
SEPTEMBER 2012	
STANDARD DRAWING NO.	E 706-BRPP-01
	/s/ <i>Richard L. VanCleave</i> 09/04/12 SUPERVISOR, ROADWAY STANDARDS DATE
	/s/ <i>Mark A. Miller</i> 09/04/12 CHIEF ENGINEER DATE

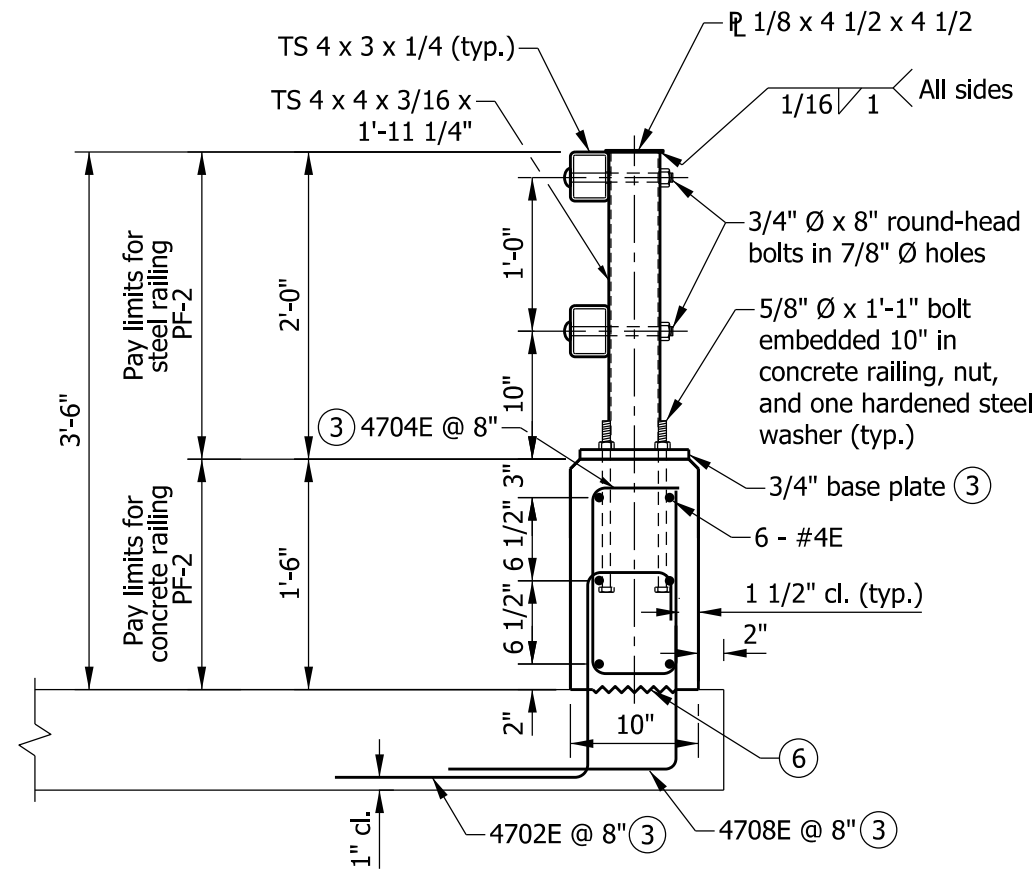


ELEVATION



Plan view of TS 4 x 3 x 1/4

RAIL END DETAIL



TYPICAL SECTION

NOTES

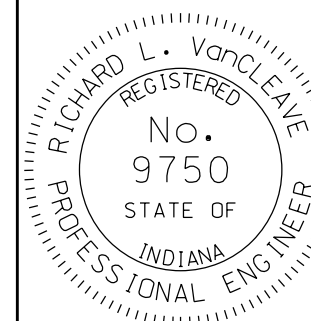
1. See Standard Drawing E 706-BRPP-06 for General Notes (1).
- (2) See Standard Drawing E 706-BRPP-05 for rail tube details and rail splice details.
- (3) See Standard Drawing E 706-BRPP-06 for base plate detail and reinforcing-bar bends.
- (4) Concrete bridge railing transition, TPF-2. See Standard Drawings E 706-TTPP-03 and -04 for details.
- (5) 3/4" Ø x 11 1/2" round-head bolt in 7/8" Ø hole. Hole shall be slotted as required for expansion.
- (6) Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING, PF-2

SEPTEMBER 2012

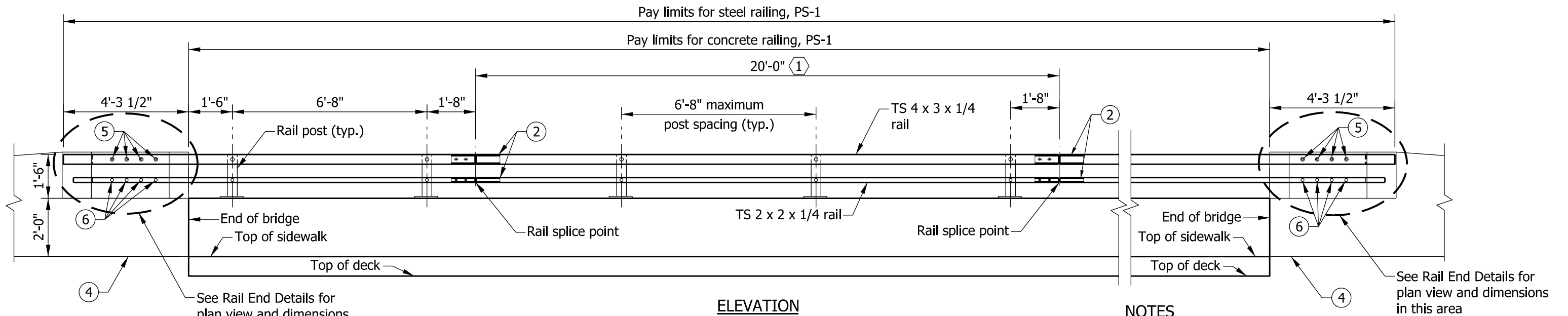
STANDARD DRAWING NO. E 706-BRPP-02



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

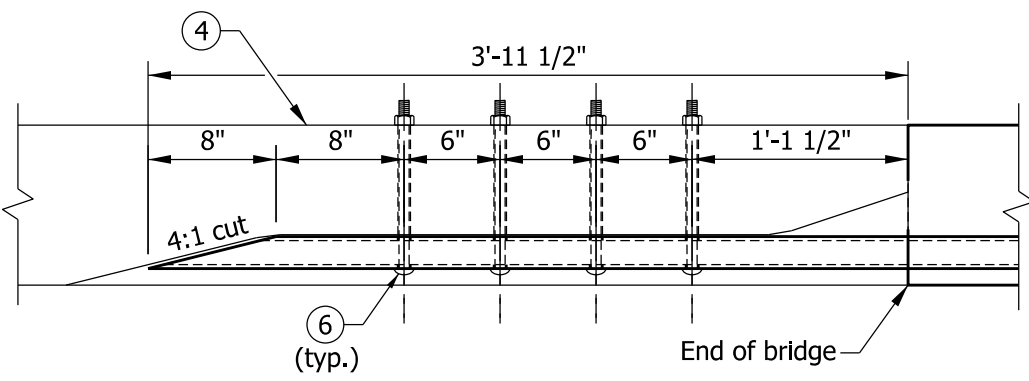
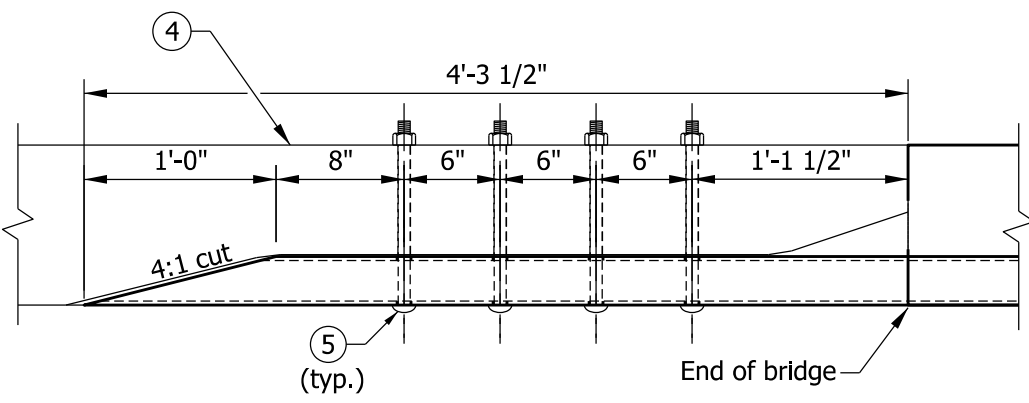
/s/ Mark A. Miller 09/04/12
CHIEF ENGINEER DATE

QUANTITIES FOR ONE RUNNING FOOT OF RAILING	
Concrete, class C	1.25 CFT
Reinforcing bars	14.1 LBS

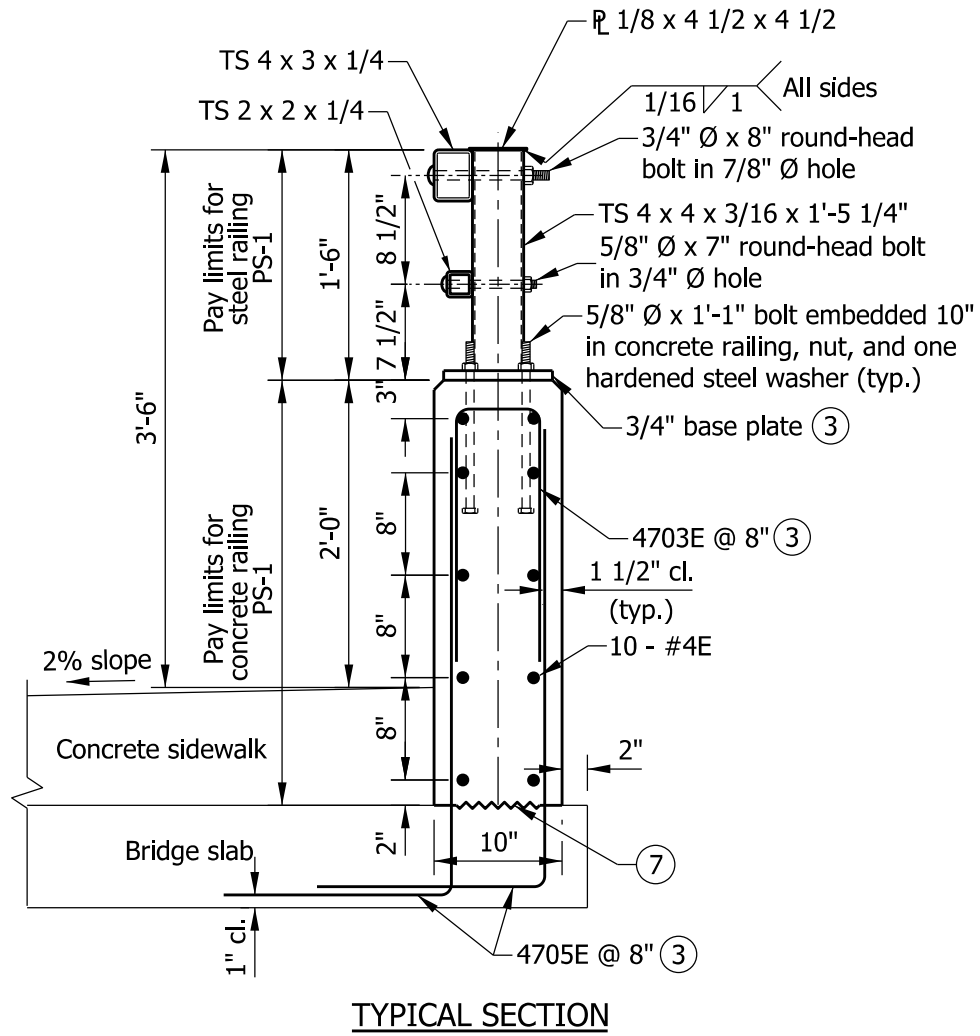


NOTES

1. See Standard Drawing E 706-BRPP-06 for General Notes .
2. See Standard Drawing E 706-BRPP-05 for rail tube details and rail splice details.
3. See Standard Drawing E 706-BRPP-06 for base plate detail and reinforcing-bar bends.
4. Concrete bridge railing transition, TPS-1. See Standard Drawings E 706-TTPP-05 and -06 for details.
5. 3/4" Ø x 11 1/2" round-head bolt in 7/8" Ø hole. Hole shall be slotted as required for expansion.
6. 5/8" Ø x 10 1/2" round-head bolt in 3/4" Ø hole. Hole shall be slotted as required for expansion.
7. Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

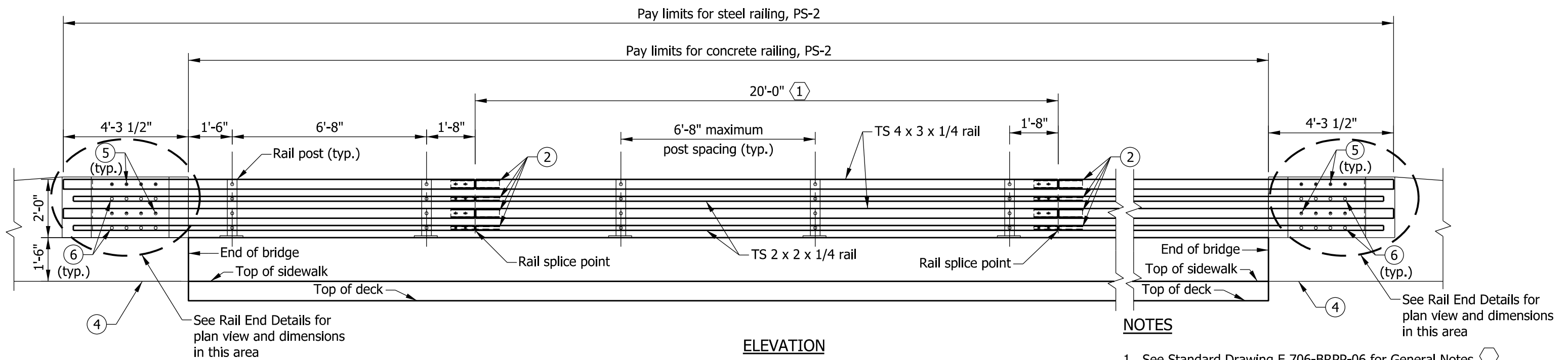


RAIL END DETAILS



QUANTITIES FOR ONE RUNNING FOOT OF RAILING	
Concrete, class C	2.30 CFT
Reinforcing bars	19.6 LBS

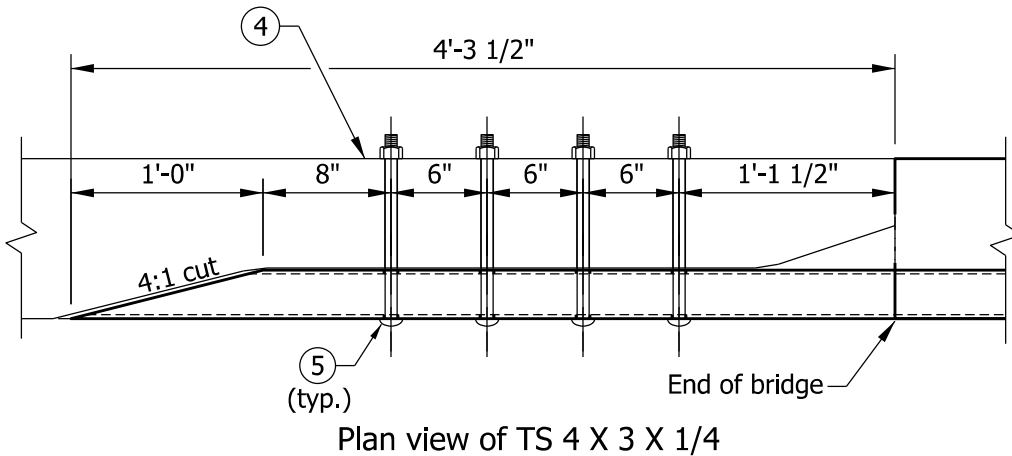
INDIANA DEPARTMENT OF TRANSPORTATION	
RAILING, PS-1	
SEPTEMBER 2012	
STANDARD DRAWING NO.	E 706-BRPP-03
	<i>/s/ Richard L. VanCleave</i> 09/04/12 SUPERVISOR, ROADWAY STANDARDS DATE
	<i>/s/ Mark A. Miller</i> 09/04/12 CHIEF ENGINEER DATE



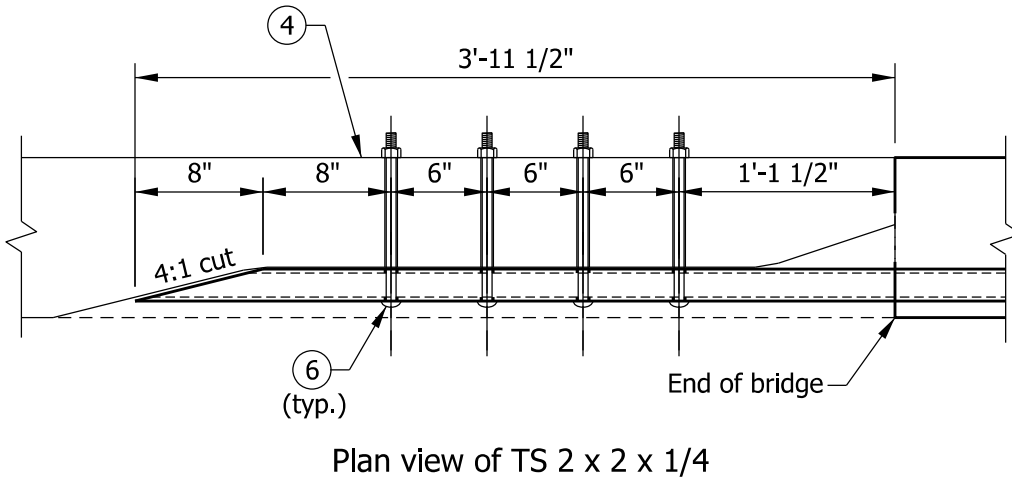
ELEVATION

NOTES

1. See Standard Drawing E 706-BRPP-06 for General Notes (1).
2. See Standard Drawing E 706-BRPP-05 for rail tube details and rail splice details.
3. See Standard Drawing E 706-BRPP-06 for base plate detail and reinforcing-bar bends.
4. Concrete bridge railing transition, TPS-2. See Standard Drawings E 706-TTPP-07 and -08 for details.
5. 3/4" Ø x 11 1/2" round-head bolt in 7/8" Ø hole. Hole shall be slotted as required for expansion.
6. 5/8" Ø x 10 1/2" round-head bolt in 3/4" Ø hole. Hole shall be slotted as required for expansion.
7. Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

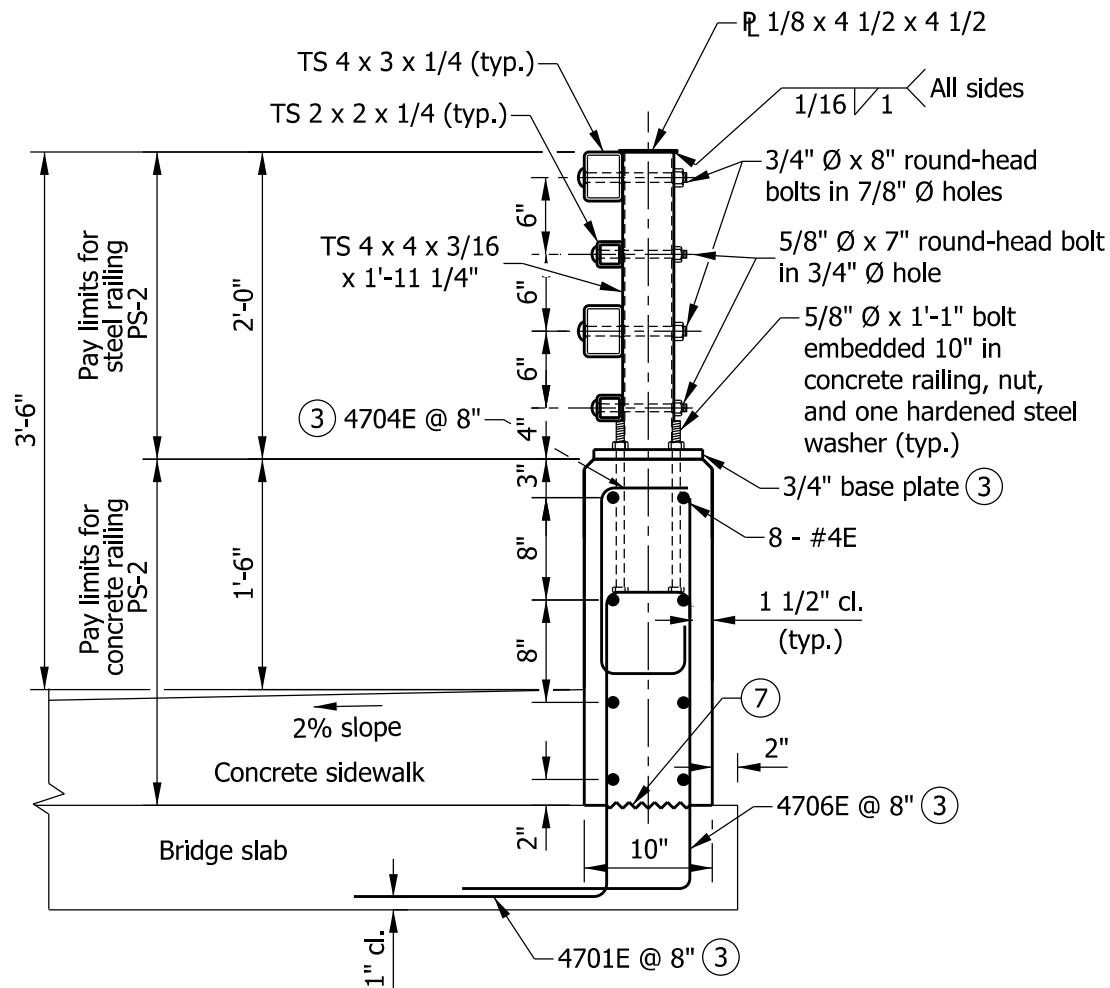


Plan view of TS 4 X 3 X 1/4



Plan view of TS 2 x 2 x 1/4

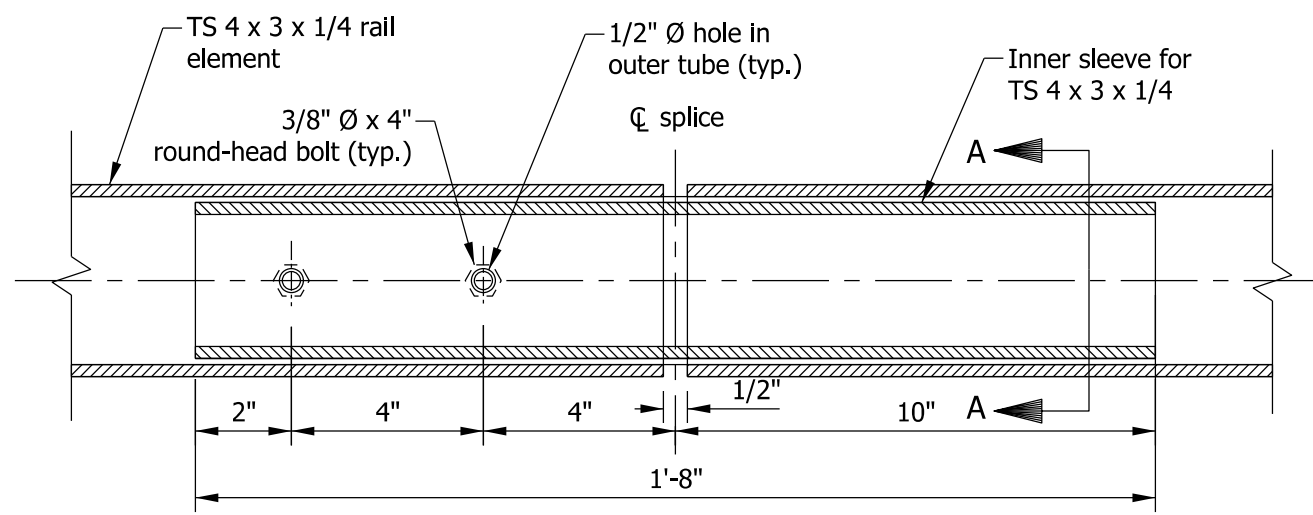
RAIL END DETAILS



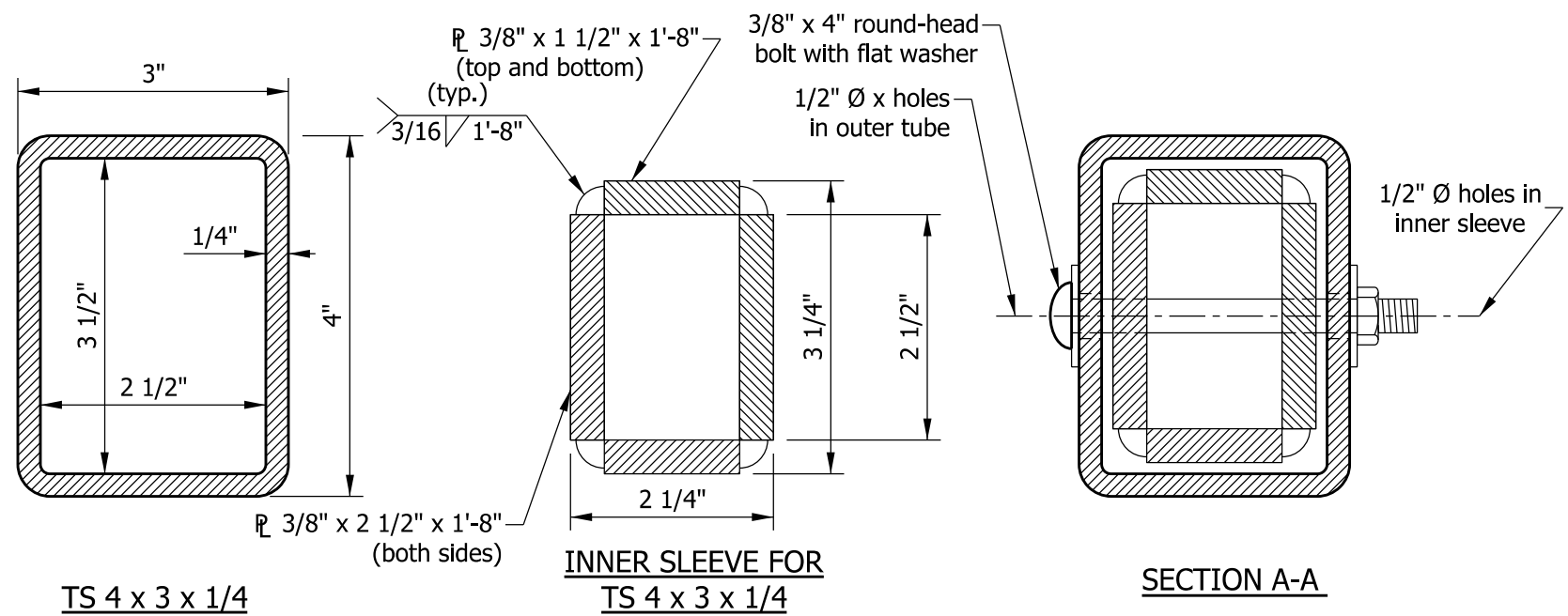
TYPICAL SECTION

QUANTITIES FOR ONE RUNNING FOOT OF RAILING	
Concrete, class C	1.89 CFT
Reinforcing bars	16.8 LBS

INDIANA DEPARTMENT OF TRANSPORTATION	
RAILING, PS-2	
SEPTEMBER 2012	
STANDARD DRAWING NO.	E 706-BRPP-04
	/s/ Richard L. VanCleave 09/04/12
	SUPERVISOR, ROADWAY STANDARDS DATE
	/s/ Mark A. Miller 09/04/12
	CHIEF ENGINEER DATE



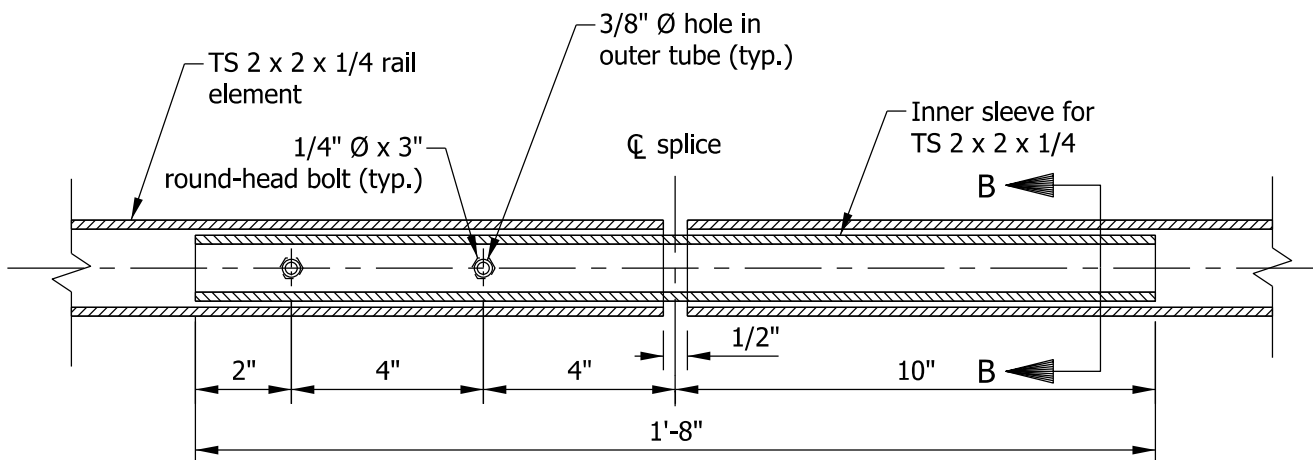
**SPLICE ASSEMBLY
FOR TS 4 X 3 X 1/4 RAIL**



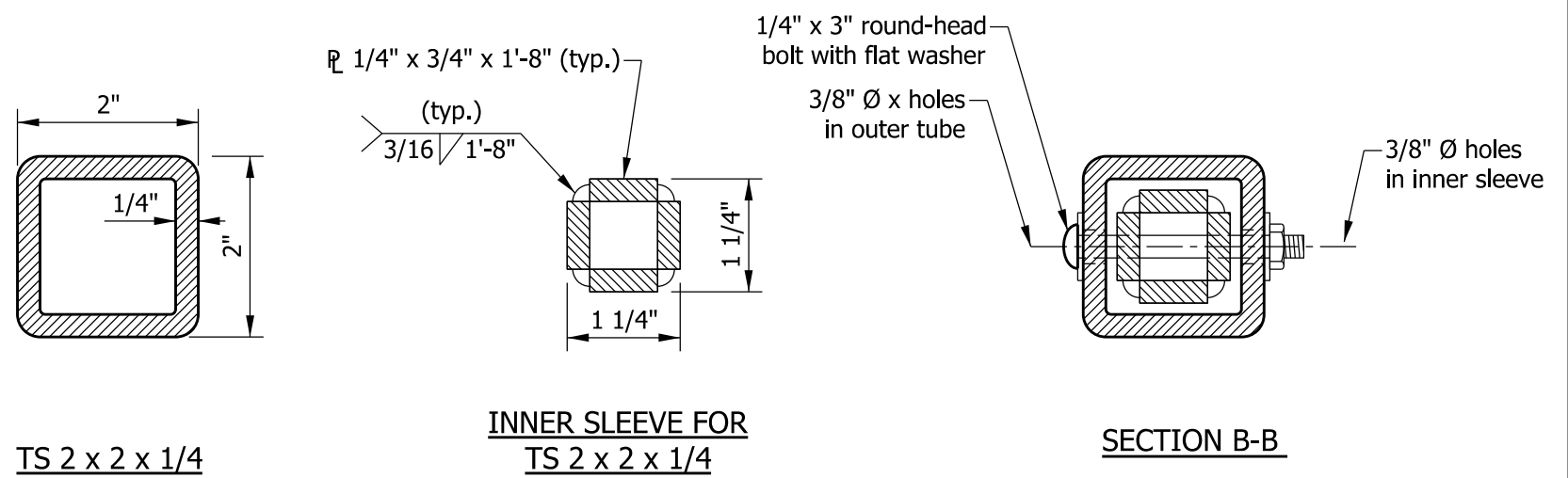
TS 4 x 3 x 1/4

**INNER SLEEVE FOR
TS 4 x 3 x 1/4**

SECTION A-A



**SPLICE ASSEMBLY
FOR TS 2 X 2 X 1/4 RAIL**



TS 2 x 2 x 1/4

**INNER SLEEVE FOR
TS 2 x 2 x 1/4**

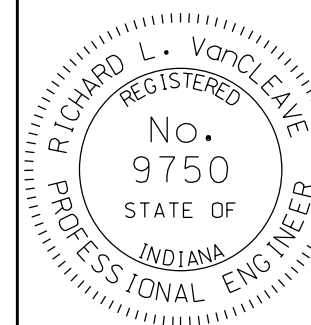
SECTION B-B

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING, PF AND PS
RAIL SPLICE DETAILS

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-BRPP-05

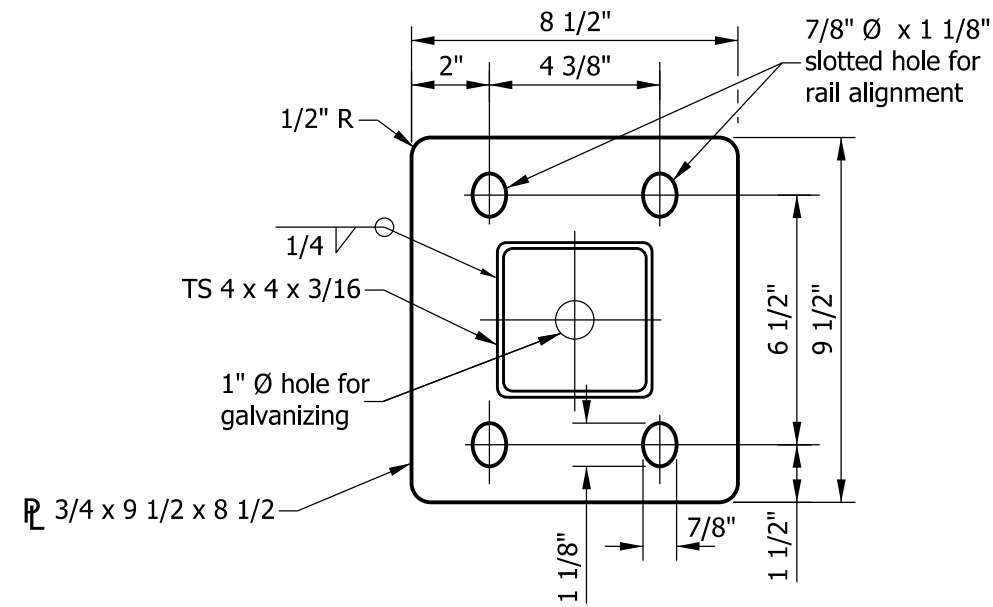


/s/ *Richard L. VanCleave* 09/04/12
SUPERVISOR, ROADWAY STANDARDS DATE

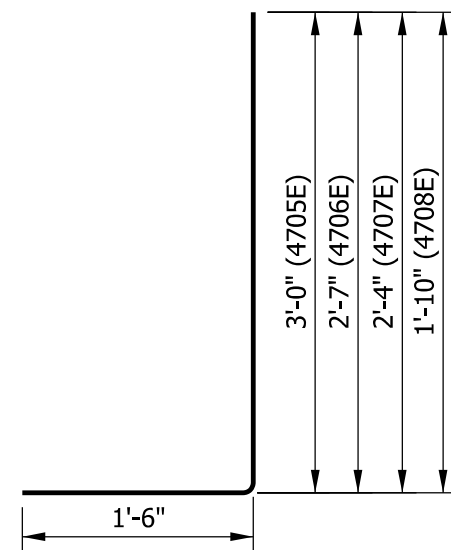
/s/ *Mark A. Miller* 09/04/12
CHIEF ENGINEER DATE

GENERAL NOTES

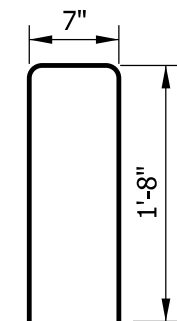
- ① Intermediate railing splices shall be placed every 20 ft.
- 2. See Standard Drawing E 703-BRST-01 for reinforcing-bar bending details and notes.
- 3. All chamfered edges shall be 3/4".
- 4. All reinforcing bars designated E shall be epoxy coated.



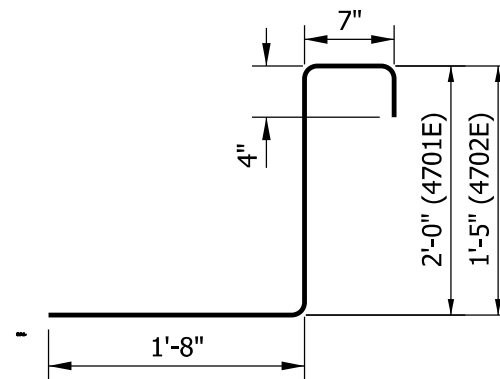
BASE PLATE DETAIL



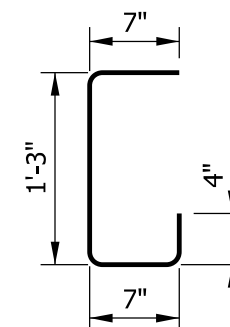
4705E x 4'-6"
 4706E x 4'-1"
 4707E x 3'-10"
 4708E x 3'-4"



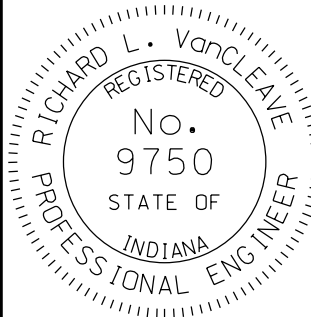
4703E x 3'-11"



4701E x 4'-7"
 4702E x 4'-0"



4704E x 2'-9"

INDIANA DEPARTMENT OF TRANSPORTATION									
RAILING, PF & PS DETAILS									
SEPTEMBER 2012									
STANDARD DRAWING NO.	E 706-BRPP-06								
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; padding: 2px;">/s/ <i>Richard L. VanCleave</i></td> <td style="border-bottom: 1px solid black; padding: 2px; text-align: right;">09/04/12</td> </tr> <tr> <td style="padding: 2px;">SUPERVISOR, ROADWAY STANDARDS</td> <td style="padding: 2px; text-align: right;">DATE</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px;">/s/ <i>Mark A. Miller</i></td> <td style="border-bottom: 1px solid black; padding: 2px; text-align: right;">09/04/12</td> </tr> <tr> <td style="padding: 2px;">CHIEF ENGINEER</td> <td style="padding: 2px; text-align: right;">DATE</td> </tr> </table>	/s/ <i>Richard L. VanCleave</i>	09/04/12	SUPERVISOR, ROADWAY STANDARDS	DATE	/s/ <i>Mark A. Miller</i>	09/04/12	CHIEF ENGINEER	DATE
/s/ <i>Richard L. VanCleave</i>	09/04/12								
SUPERVISOR, ROADWAY STANDARDS	DATE								
/s/ <i>Mark A. Miller</i>	09/04/12								
CHIEF ENGINEER	DATE								