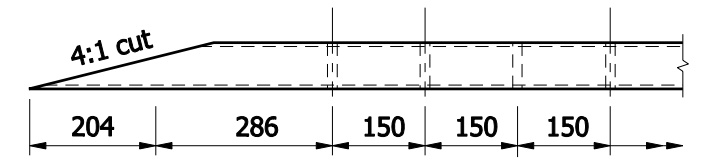
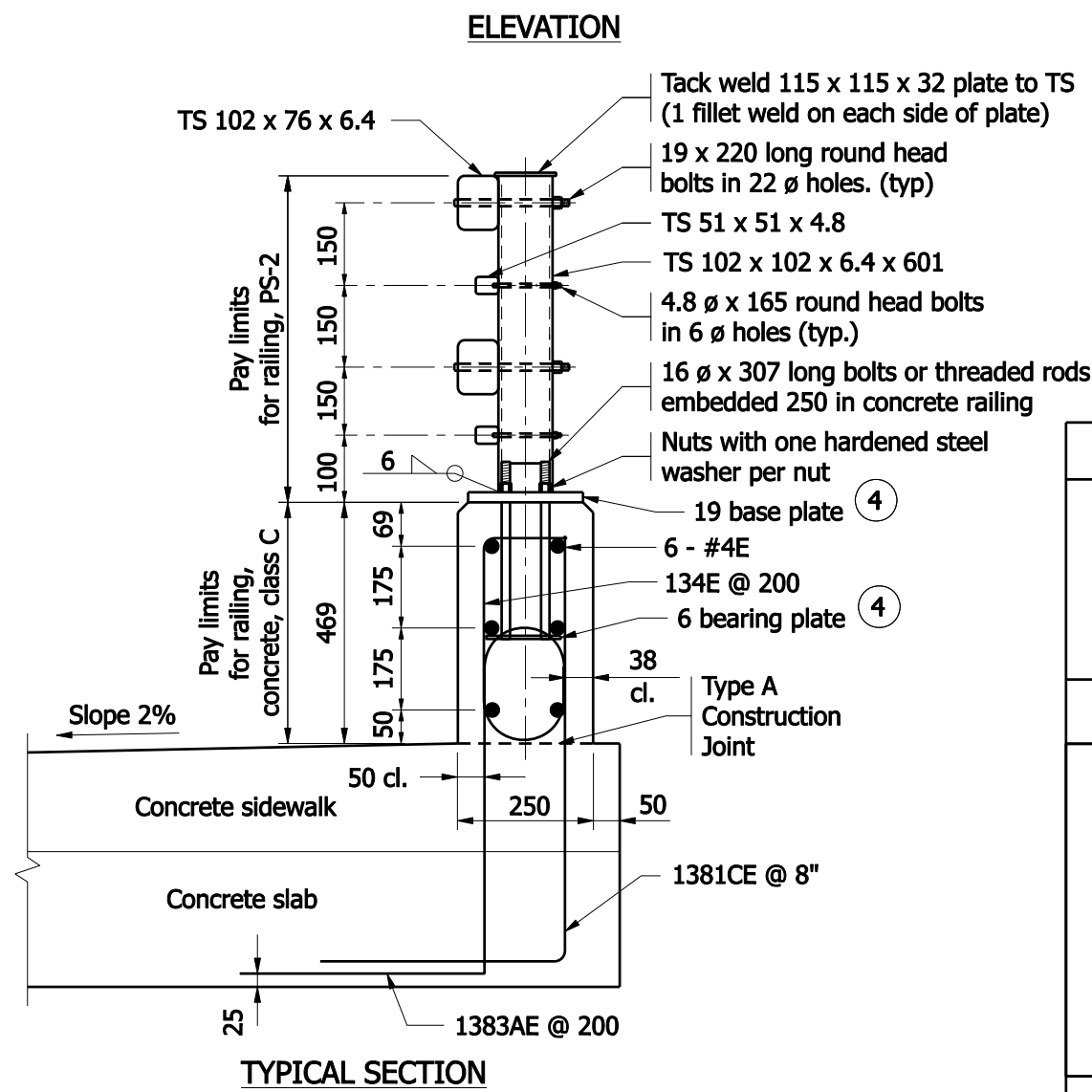


8 - 19  $\phi$  x 320 long round head bolts in 22  $\phi$  holes. (4 ea. rail) Holes are to be slotted as required for expansion

8 - 4.8  $\phi$  x 300 long round head bolts in 6  $\phi$  holes. (4 ea. rail) Holes are to be slotted as required for expansion.

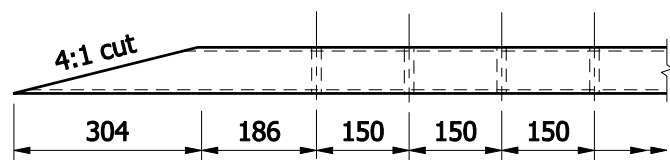
\* Field measure distance to holes on concrete transition.

- NOTES :**
- All chamfered edges shall be 25.
  - Intermediate railing splices shall be placed every 6 m with center of connection at span quarter points.
  - See Standard Drawing 706-BRPP-05 for railing tube details and Inner sleeve details.
  - See Standard Drawing 706-BRPP-06 for base plate detail, bearing plate detail and reinforcing steel bar bends.
  - See Standard Drawing 706-TTBP-07, -08 for Concrete Bridge Railing Transition, TPS-2.
  - See Standard Drawing 703-BRST-01 for standard 180° bar bending details.
  - All reinforcing bars designated "E" shall be epoxy coated.
  - Reinforcing steel in sidewalk shall match that shown on the bridge plans.



**DETAIL A**  
(Plan view of smaller railing tubes)

All Dimensions are in mm unless otherwise specified.



**DETAIL A**  
(Plan view of larger railing tubes)

<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	
<b>RAILING, PS-2</b>	
<b>SEPTEMBER 2007</b>	
<b>STANDARD DRAWING NO. 706-BRPP-04</b>	
	<i>/s/ Richard L. VanCleave</i> 09/04/07 DESIGN STANDARDS ENGINEER    DATE
	<i>/s/ Mark A. Miller</i> 09/04/07 CHIEF HIGHWAY ENGINEER    DATE
DESIGN STANDARDS ENGINEER	