

Cross Section View  
PT Post w/ Post Sleeve  
(shirt not shown)

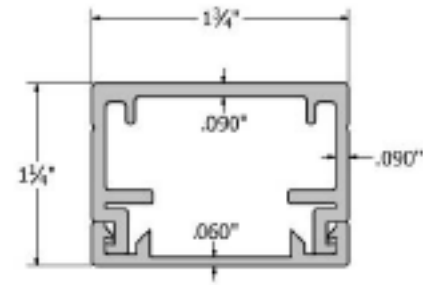
Trex 42" Reveal Railing (8' span)  
with Trex Post Sleeve (Trex Post Sleeve over PT Post)

Assumptions:

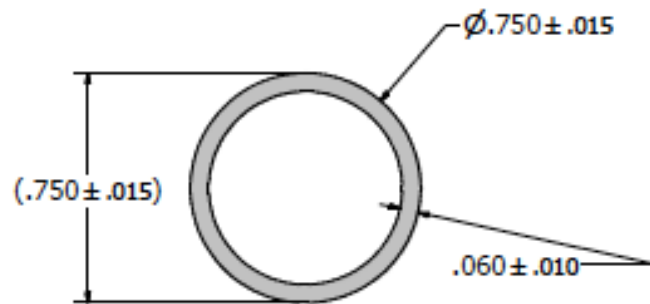
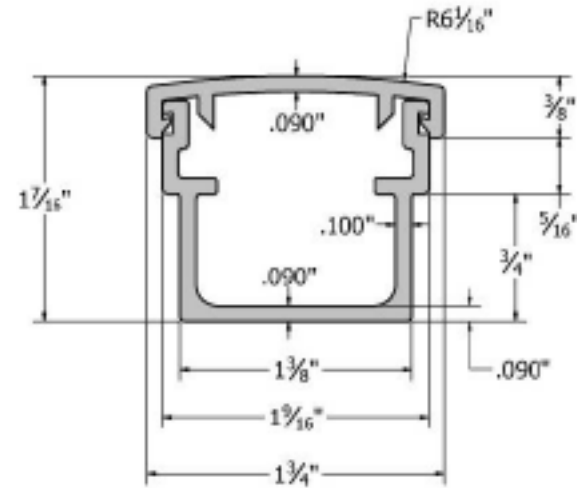
1. The demand loads considered on the railing system are the worst of 200 lbs applied anywhere and in any direction or 50 lbs/ft, in accordance with IRC 2009 and ASCE 7 -10.
2. The top rail is 6005-T5 aluminum.
3. The bottom rail and baluster are 6063-T6 aluminum.
4. The vertical posts are select structural grade timber with a minimum reference design bending stress of 1000 psi.
5. Exposed temperature for the wood posts is typically less than 100 degrees Fahrenheit.
6. Exposed relative humidity for the wood posts is greater than 19% for extended periods of time.
7. The rail-to-post and baluster-to-rail connections are fixed against rotation and strong enough to carry the demand forces.
8. The post-to-deck connection is assumed fixed and strong enough to carry the demand loads.



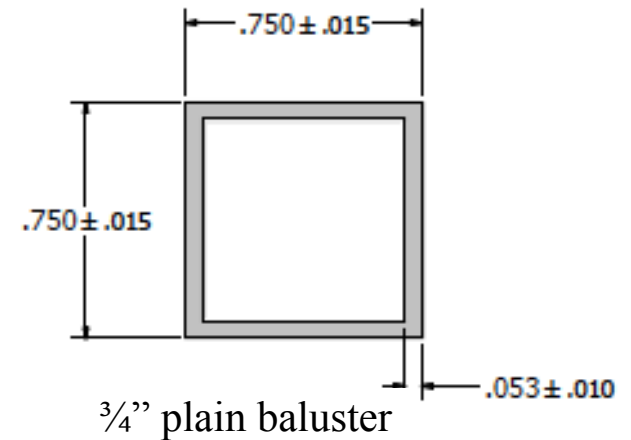
Reveal Bottom Rail – 6063-T6 Aluminum



Reveal Top Rail – 6005-T5 Aluminum



3/4" round baluster



3/4" plain baluster