LRFD:

$$t = \frac{R}{D}\sqrt{P_u/(2.7\pi F_y)} \quad (1)$$

$$t = \sqrt{\frac{0.74P_u}{\pi F_y}\left[2 - 3\left(\frac{R}{D}\right) + \left(\frac{R}{D}\right)^3\right]} \quad (2)$$

$$R_c = \sqrt{R_o^2 - P_u/\pi F_p} \quad (3)$$

$$t = R\sqrt{\frac{F_p}{2.7F_y}\left[1 - 3\left(\frac{R_c}{R}\right) + 2\left(\frac{R_c}{R}\right)^3\right]}$$

In summary, this paper contributes new and useful design criteria for column base plates under gravity loads which, with additional reflection, can be further simplified and generalized for applications.

CLOSURE BY THOMAS SPUTO

The discussor has provided some interesting suggestions for simplifying the content of this paper. His clarification of the applicability of each design equation is especially welcome. The author thanks him for his interest in this topic.

ERRATA

1. π should be included as multiplier in the final external work expression above Equation 2.
2. Equation 3 and W_e equation above it: change exponent in last term on R_c from 2 to 3.
3. Example
   t by Equation 2, last term should be changed from $(2.13)^2 / 3.15$ to $(2.13)^3 / 3.5$
4. Page 42, upper left, external work expression should read

$$= f_p\left[\pi D^2 - \frac{\pi D^2}{3} - \pi\,(D^2 - R^2)\left(\frac{R}{D}\right) - \pi R^2\left(\frac{R}{D}\right) + \frac{\pi R^2}{3}\left(\frac{R}{D}\right)\right]$$

$$= \pi f_p\left[\frac{2D^2}{3} - RD + \frac{R^3}{3D}\right]$$