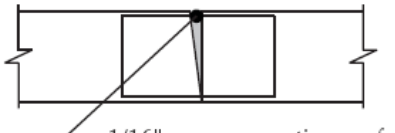
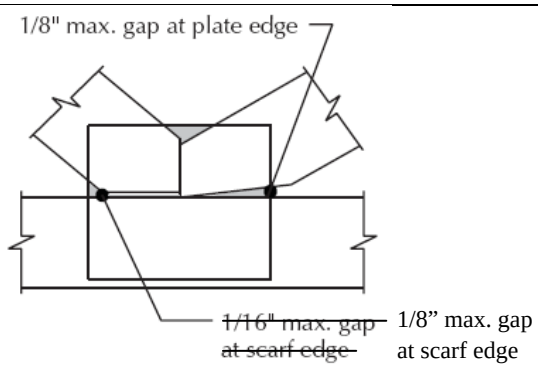
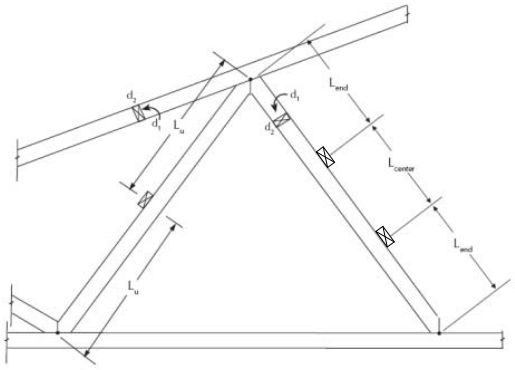
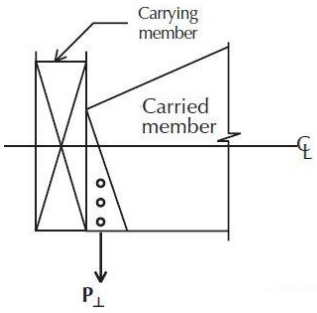
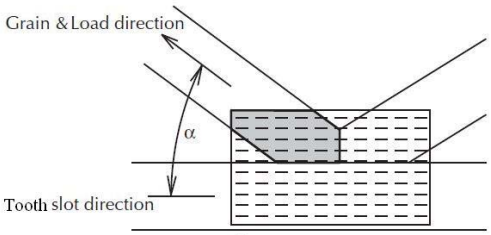
Errata to ANSI/TPI 1-2007
"National Design Standard for Metal Plate Connected Wood Truss Construction"

(7/15/2011)

Page / Description	Correction
Page 27 (Figure 3.7- 4) *The text for the lower splice detail is incorrect. This detail represents a roof Truss, not a floor Truss, and the maximum gap should be 1/8"at the plate edge, not 1/16"entire scarf.* *(7/13/2010)*	 ~~1/16" max. gap entire scarf (floor Truss chord splice)~~ 1/8" max. gap at plate edge (roof Truss chord splice)
Page 27 (Figure 3.7- 4) *The text for the web joint detail in the upper right corner is incorrect. The maximum gap at the scarf edge should be 1/8", not 1/16"* *(7/13/2010)*	 1/8" max. gap at plate edge ~~1/16" max. gap at scarf edge~~ 1/8" max. gap at scarf edge
Page 27 (Section 3.7.7.1) *The referenced section should be 6.1.2, not 6.1.4.* *(7/20/2010)*	… two times the minimum number specified for a single face by the Truss Designer per Section ~~6.1.4~~ 6.1.2. …15% less than the number specified for a single face per Section ~~6.1.4~~ 6.1.2.
Page 56 (Section 6.5.1 c) *SSPC-Paint 12 has been discontinued* *(2/17/2010)*	~~(c) Basic Zinc Chromate-Vinyl Butyral Wash Primer (SSPC-Paint 27) and cold applied Asphaltic Mastic (Extra Thick Film) Paint (SSPC-Paint 12).~~
Page 59 (Section 7.2.1) *This section should refer to the figures for Chord effective lengths (7.2-2 and 7.2-3), and not Web effective lengths (7.2-1).* *(2/17/2010)*	The effective buckling lengths (L') for Chord members (see Figures ~~7.2-1~~ 7.2-2 and 7.2-3) shall be determined…

Page / Description	Correction
Page 60 (Figure 7.2-1) *The figure does not show the continuous lateral restraints attached to the web on the right side.* *(7/20/2010)*	
Page 60 (Figure 7.2-1) *The reference in the table above the figure illustrating Unbraced Lengths for Webs should reference Section 7.2.1 not 7.2.2.* *(2/17/2010)*	**Top Chord & Bottom Chord** / d_1 / See Section ~~7.2.2~~ 7.2.1 **Top Chord & Bottom Chord** / d_2 / L_u
Page 69 (Figure 7.5-1) *The right side figure should show the cross sectional member as the carrying member, and the sloping truss member as the carried member.* *(2/17/2010)*	
Page 77 (Figure 8.3-3 c) *The label for the chord axis should be only "Tooth slot direction" and the label for the arrow on the shaded web should be "Grain and load direction".* *(2/17/2010)*	 Figure 8.3-3 (c)
Page 80 (Section 8.6) *The equation defining the combined shear/tension value for the vertical projection of a pair of Metal Connector Plates (Y_{st}) incorrectly shows the tensile capacity ($V_{t\perp}$) instead of the shear capacity ($V_{s\perp}$).* *(7/15/2011)*	~~$V_{t\|\|} + (\Theta/90)(V_{t\perp} - V_{t\|\|})$~~ $V_{t\|\|} + (\Theta/90)(V_{s\perp} - V_{t\|\|})$
Page 81 (Section 8.7.1) *The equation defining "C" incorrectly shows the cosine function with a "2" subscript instead of showing the cosine function squared.* *(7/15/2011)*	~~$F_{c\perp}(1.7\,F_c{}^*)/(F_{c\perp}\sin^2\Theta + 1.7F_c{}^*\cos_2\Theta)$~~ $F_{c\perp}(1.7\,F_c{}^*)/(F_{c\perp}\sin^2\Theta + 1.7F_c{}^*\cos^2\Theta)$

Page / Description	Correction
Page 81 (Section 8.7.2) *The equation at the end of the definition of V_P ($4M_A/(A_{ef}D)$ is actually the equation for V_M.* *(2/17/2010)*	V_M = Tooth holding stress due to moment (psi/pair) = $4M_A/(A_{ef}D)$ V_P = Tooth holding stress resultant of shear/axial loads in wood (psi/pair), equal to the vector addition of shear + axial loads in wood, divided by $A_{ef.}$ ~~$4M_A/(A_{ef}D)$~~
Page 82 (Section 8.8.2) *The wood thickness limit is a nominal dimension, not an actual dimension.* *(7/20/2010)*	For wood thickness greater than 2 in. nominal (1.5 in. net, 38mm) with plates embedded only…
Page 83 (Section 8.10) *Reworded for clarification* *(2/17/2010)*	~~Any joint in which the net force component that is perpendicular to the chord and will cause separation along the grain, shall be checked for plate positioning per Section 7.5.3.3~~ Any joint in which the plate applies a force component causing tension perpendicular to the grain of the chord shall be checked for plate positioning per Section 7.5.3.3.
Page 84 (Section 8.11.3) *With the adjustments to the C_q factor in the 2007 edition of TPI 1, TAC recommends a selected C_q value equal to 0.8, not 1.0.* *(2/17/2010)*	***User (non-mandatory) note:*** TPI's Technical Advisory Committee (TAC) recommends using a selected C_q value equal to ~~1.0~~ 0.8.

(Errata Sheet edition shown in parenthesis)