## Errata to ANSI/TPI 1-2007
### “National Design Standard for Metal Plate Connected Wood Truss Construction”
(7/15/2011)

<table>
<thead>
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| 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. | ![Diagram](image1) 
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” | ![Diagram](image2) 
1/8” max. gap at plate edge |
| Page 27 (Section 3.7.7.1)  
The referenced section should be 6.1.2, not 6.1.4. | … 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 | (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). | The effective buckling lengths (L’) for Chord members (see Figures 7.2-1 7.2-2 and 7.2-3) shall be determined… |

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Page 1 of 3
Page 60 (Figure 7.2-1)
The figure does not show the continuous lateral restraints attached to the web on the right side.

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.

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.

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”.

Page 80 (Section 8.6)
The equation defining the combined shear/tension value for the vertical projection of a pair of Metal Connector Plates ($Y_v$) incorrectly shows the tensile capacity ($V_{t\|}$) instead of the shear capacity ($V_{s\|}$).

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.
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| **Page 81 (Section 8.7.2)**<br>The equation at the end of the definition of $V_F$<br>$(4M_A/(A_{ef}D)$ is actually the equation for $V_M$. | $V_M = \text{Tooth holding stress due to moment (psi/pair)}$
$= 4M_A/ (A_{ef}D)$<br>$V_P = \text{Tooth holding stress resultant of shear/axial}$
loads in wood (psi/pair), equal to the vector addition of shear + axial loads in wood,<br>divided by $A_{ef}$. $4M_A/(A_{ef}D)$ |
| **Page 82 (Section 8.8.2)**<br>The wood thickness limit is a nominal dimension, not an actual dimension. | For wood thickness greater than 2 in. nominal (1.5 in. net, 38mm) with plates embedded only… |
| **Page 83 (Section 8.10)**<br>Reworded for clarification | 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<br>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)**<br>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. | *User (non-mandatory) note:* TPI’s Technical Advisory Committee (TAC) recommends using a selected $C_q$ value equal to 0.8. |

(Errata Sheet edition shown in parenthesis)