Revisions and Errata List
AISC Steel Design Guide 28, 1st printing (Printed Edition) and March 2015 Revision (Digital Edition)
August 20, 2020

The following list represents corrections made to the first printing (dated 2013) and the March 2015 revision (digital edition) of AISC Design Guide 28, Stability Design of Steel Buildings.

Page(s) | Item
--- | ---
20 | Revise Table 2-4 to:

<p>| Table 2-4. Required Column Axial Strength |
| --- | --- | --- | --- | --- | --- | --- | --- |</p>
<table>
<thead>
<tr>
<th>Member</th>
<th>Comb1</th>
<th>Comb2</th>
<th>Comb3</th>
<th>Comb4</th>
<th>Comb5</th>
<th>Comb6</th>
<th>Comb7</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOFCOL</td>
<td>44.6</td>
<td>44.6</td>
<td>96.9</td>
<td>80.8</td>
<td>49.6</td>
<td>84.4</td>
<td>33.5</td>
</tr>
<tr>
<td>FLOORCOL</td>
<td>149</td>
<td>310</td>
<td>201</td>
<td>306</td>
<td>169</td>
<td>321</td>
<td>88.1</td>
</tr>
</tbody>
</table>

In the 10th line of text, revise the allowable axial compressive strength of the to:

\[
\frac{P_r}{\Omega_c} = 96.9 \text{ kips} \Rightarrow P_r \text{ o.k.}
\]

Under the heading “Floor Columns,” revise as follows:

The required strength of the floor column to:

\[
P_r = 321 \text{ kips (Comb6)}
\]

Under the heading “Roof Braces,” revise as follows:

The required tensile strength of the roof braces is:

\[
P_r = 11.7 \text{ kips (Comb5)}
\]

Revise Table 2-5 to:

<p>| Table 2-5. Required Brace Axial Strength |
| --- | --- | --- | --- | --- | --- | --- | --- |</p>
<table>
<thead>
<tr>
<th>Member</th>
<th>Comb1</th>
<th>Comb2</th>
<th>Comb3</th>
<th>Comb4</th>
<th>Comb5</th>
<th>Comb6</th>
<th>Comb7</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOFBR</td>
<td>0.535</td>
<td>0.536</td>
<td>1.22</td>
<td>1.03</td>
<td>11.7</td>
<td>9.18</td>
<td>11.5</td>
</tr>
<tr>
<td>FLOORBR</td>
<td>1.95</td>
<td>4.86</td>
<td>2.75</td>
<td>4.78</td>
<td>36.1</td>
<td>29.9</td>
<td>35.1</td>
</tr>
</tbody>
</table>

Under the heading “Roof Braces,” revise as follows:

The required tensile strength of the floor braces is:

\[
P_r = 36.1 \text{ kips (Comb5)}
\]

On the last line of page 123, and continuing at the top of the left column on page 124, the replace “AISC Specification Equation C2-1a [2010 AISC Specification Equation A-8-1] with “Equation B-3.”
At the bottom of the left column, Equation B-10a should be changed to:

\[ R_{PA} = \frac{\alpha \sum p_{lt} \bar{\Delta}_{2tot}}{L} \]