Product Information
The non-structural stud is fabricated from prime mill certified steel with a true galvanized coating. Heavier coatings may be available upon request.

Steel Material Properties
- 30 Mil Labeled Thickness
- 0.0312" Design Thickness
- 0.0296" Minimum Thickness
- 33 ksi Yield Strength (Fy)
- 45 ksi Tensile Strength (Fu)
- G60 Galvanize Coating Thickness
- Red Color Code (Painted Ends)

LEED - Contributing Credits
All Steel-Con materials have a high inherent recycled steel content.
- LEED 2009 - MRc2 (2 points) & MRc4 (2 points)
- LEED v4 - MR Credits - EPD (2 points) - Waste Management (2 points) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Innovation (2 points)

ASTM and AISI Code Standards
- ASTM A653/A653M, A924/A924M, A1003, C645, C754, C955, C1007
- AISI S100-07 with supplement S2-10 per 2012 IBC, AISI S100-12 per 2015 IBC
- 2012, 2015 International Building Codes and 2017 FBC

Section Properties
Table Notes:
1. The centerline bend radius is based on inside corner radii.
2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI S100 A7.2.
3. Tabulated gross properties are based on the full-unreduced cross section of the studs away from punch-out's.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment is the lesser of Mal and Mad. Stud distortional buckling is based on an assumed Kφ = 0.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>600S125-30</td>
<td>0.268</td>
<td>0.91</td>
<td>1.275</td>
<td>0.425</td>
<td>2.181</td>
<td>0.038</td>
<td>0.378</td>
<td>1.218</td>
<td>0.315</td>
<td>6.22</td>
<td>5.39</td>
<td>468</td>
<td>468</td>
<td>0.087</td>
<td>0.274</td>
<td>-0.611</td>
<td>0.401</td>
<td>2.296</td>
<td>0.929</td>
<td>27.6</td>
</tr>
</tbody>
</table>

Limiting Wall Heights
Table Notes:
1. Allowable composite limiting heights are calculated using ICC-ES AC86-2012.
2. No fasteners are required for attaching the stud to the track.
3. Stud end bearing must be a minimum of 1 inch.
4. Composite limiting heights are based on a single layer of 5/8" type-X gypsum board installed in the vertical orientation to both sides of the wall over full height using minimum No. 6 type 5 drywall screws spaced a maximum of 12" oc for studs at 24" spacing, and 16" oc for studs at 16" and 12" spacing.

<table>
<thead>
<tr>
<th>Stud Spacing (in)</th>
<th>Composite Wall Heights (5 psf)</th>
<th>Non-Composite Fully Braced (5 psf)</th>
<th>Non-Composite Braced at 48&quot; O.C. (5 psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L/120</td>
<td>L/240</td>
<td>L/360</td>
</tr>
<tr>
<td>12&quot; o.c.</td>
<td>34'2&quot;</td>
<td>27'1&quot;</td>
<td>23'8&quot;</td>
</tr>
<tr>
<td>16&quot; o.c.</td>
<td>30'8&quot;</td>
<td>24'7&quot;</td>
<td>21'6&quot;</td>
</tr>
<tr>
<td>24&quot; o.c.</td>
<td>25'0&quot;</td>
<td>21'6&quot;</td>
<td>18'9&quot;</td>
</tr>
</tbody>
</table>

Recycled Content of Steel
- 12.5% Pre-Consumer Scrap Recycled Content
- 5.5% Post-Consumer Scrap Recycled Content
- 18.0% Total Recycled Content
*Higher recycled content available upon request

Steel-Con Technical Services
For additional information, visit www.steelconsystems.com or contact technical services at 407-404-5292 or Technical@steelconsys.com

Table: Composite Wall Heights (5 psf)
Table: Non-Composite Fully Braced (5 psf)
Table: Non-Composite Braced at 48" O.C. (5 psf)