### Product Submittal Sheet

**Product Submittal Sheet**

**Technical Services:** 888-437-3244  
**Engineering Services:** 877-832-3206  
**Sales:** 800-543-7140  
**clarkdietrich.com**

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**05.40.00 (Cold-Formed Metal Framing)**

**Product category:** T125 (1-1/4" Leg Structural Track)  
**Product name:** 600T125-54 (50ksi, CP60) - Unpunched  
54mils (16ga)  
**Coating:** CP60 per ASTM C955  
**Color coding:** Green

**Geometric Properties**

- **Web depth:** 6.198 in  
- **Leg width:** 1.25 in  
- **Design thickness:** 0.0566 in  
- **Min. steel thickness:** 0.0538 in  
- **Yield strength, Fy:** 50 ksi  
  *Fy with Cold-Work, Fya:** 50.0 ksi  
- **Ultimate, Fu:** 65.0 ksi

**Gross Section Properties of Full Section, Strong Axis**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross sectional area (A)</td>
<td>0.480 in²</td>
</tr>
<tr>
<td>Member weight per foot of length</td>
<td>1.63 lb/ft</td>
</tr>
<tr>
<td>Moment of inertia (Ix)</td>
<td>2.345 in⁴</td>
</tr>
<tr>
<td>Section modulus (Sx)</td>
<td>0.757 in³</td>
</tr>
<tr>
<td>Radius of gyration (Rx)</td>
<td>2.209 in</td>
</tr>
<tr>
<td>Gross moment of inertia (Iy)</td>
<td>0.054 in⁴</td>
</tr>
<tr>
<td>Gross radius of gyration (Ry)</td>
<td>0.335 in</td>
</tr>
</tbody>
</table>

**Effective Section Properties, Strong Axis**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective Area (Ae)</td>
<td>0.234 in²</td>
</tr>
<tr>
<td>Moment of inertia for deflection (Ix)</td>
<td>2.241 in⁴</td>
</tr>
<tr>
<td>Section modulus (Sx)</td>
<td>0.592 in³</td>
</tr>
<tr>
<td>Allowable bending moment (Ma)</td>
<td>17.74 in-k</td>
</tr>
<tr>
<td>Allowable shear force in web</td>
<td>2728 lb</td>
</tr>
</tbody>
</table>

**Torsional Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Venant torsion constant (J x 1000)</td>
<td>0.513 in⁴</td>
</tr>
<tr>
<td>Warping constant (Cw)</td>
<td>0.384 in⁶</td>
</tr>
<tr>
<td>Distance from shear center to neutral axis (X₀)</td>
<td>-0.508 in</td>
</tr>
<tr>
<td>Distance between shear center and web centerline (m)</td>
<td>0.332 in</td>
</tr>
<tr>
<td>Radii of gyration (Ro)</td>
<td>2.292 in</td>
</tr>
<tr>
<td>Torsional flexural constant (Beta)</td>
<td>0.951</td>
</tr>
</tbody>
</table>

**ASTM & Code Standards:**

- **AISI North American Specification [NASPEC] S100-12**  
- *** Effective properties incorporate the strength increase from the cold work of forming**  
- **Gross properties are based on the cross section away from the punchouts**  
- **Structural framing is produced to meet or exceed ASTM C955**  
- **Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003**  
- **ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance Certification Program, IGC-ES ESR-1166P and Intertek CCRR-0206**  
- **For installation & storage information refer to ASTM C1007**  
- **SDS & Product Certification Information is available at itools.clarkdietrich.com**

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**Sustainability Credits:**

For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED  
LEED v4 MR Credit -- Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).  
LEED 2009 Credit MR 2 & MR 4 -- ClarkDietrich's steel products are 100% recyclable and have a national average recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at (info@clarkdietrich.com / 888-437-3244)

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### Project Information

**Name:**  
**Address:**

### Contractor Information

**Name:**  
**Contact:**  
**Phone:**  
**Fax:**

### Architect Information

**Name:**  
**Contact:**  
**Phone:**  
**Fax:**

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