**Product Submittal Sheet**

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

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**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

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**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

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

- **Cross sectional area (A):**  
0.480 in²

- **Member weight per foot of length:**  
1.63 lb/ft

- **Moment of inertia (Ix):**  
2.345 in⁴

- **Section modulus (Sx):**  
0.757 in³

- **Radius of gyration (Rx):**  
2.209 in

- **Gross moment of inertia (Iy):**  
0.054 in⁴

- **Gross radius of gyration (Ry):**  
0.335 in

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**Effective Section Properties, Strong Axis**

- **Effective Area (Ae):**  
0.234 in²

- **Moment of inertia for deflection (Ix):**  
2.241 in⁴

- **Section modulus (Sx):**  
0.592 in³

- **Allowable bending moment (Ma):**  
17.74 in-k

- **Allowable shear force in web:**  
2728 lb

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**Torsional Properties**

- **St. Venant torsion constant (J x 1000):**  
0.513 in⁴

- **Warping constant (Cw):**  
0.384 in⁶

- **Distance from shear center to neutral axis (Xo):**  
-0.508 in

- **Distance between shear center and web centerline (m):**  
0.332 in

- **Radii of gyration (Ro):**  
2.292 in

- **Torsional flexural constant (Beta):**  
0.951

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**ASTM & Code Standards:**

- **AISI North American Specification [NASPEC] S100-16**

- **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:**

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**Contractor Information**

**Name:**

**Contact:**

**Phone:**

**Fax:**

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**Architect Information**

**Name:**

**Contact:**

**Phone:**

**Fax:**

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