**Product Submittal Sheet**

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

**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  
- Ultimate, Fu: 65.0 ksi  
- *Fy with Cold-Work, Fya: 50.0 ksi

**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

**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

**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

**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

**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)