Product Submittal Sheet

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

**Product category:** T125 (1-1/4" Leg Structural Track)

**Product name:**
- 362T125-54 (50ksi, CP60) - Unpunched
- 54mils (16ga)

Coating: CP60 per ASTM C955
Color coding: Green

**Geometric Properties**

- Web depth: 3.823 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**

- Cross sectional area (A): 0.346 in²
- Member weight per foot of length: 1.18 lb/ft
- Moment of inertia (Ix): 0.723 in⁴
- Section modulus (Sx): 0.378 in³
- Radius of gyration (Rx): 1.445 in
- Gross moment of inertia (Iy): 0.048 in⁴
- Gross radius of gyration (Ry): 0.373 in

**Effective Section Properties, Strong Axis**

- Effective Area (Ae): 0.225 in²
- Moment of inertia for deflection (Ix): 0.678 in⁴
- Section modulus (Sx): 0.312 in³
- Allowable bending moment (Ma): 9.34 in-k
- Allowable shear force in web: 3372 lb

**Torsional Properties**

- St. Venant torsion constant (J x 1000): 0.369 in⁴
- Warping constant (Cw): 0.123 in⁶
- Distance from shear center to neutral axis (Xo): -0.648 in
- Distance between shear center and web centerline (m): 0.404 in
- Radii of gyration (Ro): 1.627 in
- Torsional flexural constant (Beta): 0.841

**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**

**Sustainability Credits:**

For more details and LEED letters contact Technical Services at 888-437-3244 or visit [www.clarkdietrich.com/LEED](http://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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