Product Submittal Sheet

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

05.40.00 (Cold-Formed Metal Framing)

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Used in framing applications:
- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses

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**Product Submittal Sheet**

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

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

54 mils (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, F_y: 50 ksi
- *F_y with Cold-Work, F_{ya}: 50.0 ksi
- Ultimate, F_u: 65.0 ksi

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

- Cross sectional area (A): 0.346 in^2
- Member weight per foot of length: 1.18 lb/ft
- Moment of inertia (I_x): 0.723 in^4
- Section modulus (S_x): 0.378 in^3
- Radius of gyration (R_x): 1.445 in
- Gross moment of inertia (I_y): 0.048 in^4
- Gross radius of gyration (R_y): 0.373 in

**Effective Section Properties, Strong Axis**

- Effective Area (A_e): 0.225 in^2
- Moment of inertia for deflection (I_x): 0.678 in^4
- Section modulus (S_x): 0.312 in^3
- Allowable bending moment (M_a): 9.34 in-k
- Allowable shear force in web: 3372 lb

**Torsional Properties**

- St. Venant torsion constant (J x 1000): 0.369 in^4
- Warping constant (C_w): 0.123 in^6
- Distance from shear center to neutral axis (X_o): -0.648 in
- Radius of gyration (R_o): 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. ICC-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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