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

**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

- **Product Name:** T125 (1-1/4" Leg Structural Track)
- **Product Name:** 362T125-43 (33ksi, CP60) - Unpunched 43mils (18ga)

Coating: CP60 per ASTM C955  
Color coding: Yellow

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### Geometric Properties

- **Web depth:** 3.786 in  
- **Leg width:** 1.25 in  
- **Design thickness:** 0.0451 in  
- **Min. steel thickness:** 0.0428 in  
- **Yield strength, Fy:** 33 ksi  
- **Ultimate, Fu:** 45.0 ksi  
- **CP60 per ASTM C955**  
- **Color coding:** Yellow

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

- **Cross sectional area (A):** 0.276 in²  
- **Member weight per foot of length:** 0.94 lb/ft  
- **Moment of inertia (Ix):** 0.571 in⁴  
- **Section modulus (Sx):** 0.302 in³  
- **Radius of gyration (Rx):** 1.439 in  
- **Gross moment of inertia (Iy):** 0.039 in⁴  
- **Gross radius of gyration (Ry):** 0.375 in

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### Effective Section Properties, Strong Axis

- **Effective Area (Ae):** 0.174 in²  
- **Moment of inertia for deflection (Ix):** 0.531 in⁴  
- **Section modulus (Sx):** 0.245 in³  
- **Allowable bending moment (Ma):** 4.84 in-k  
- **Allowable shear force in web:** 1739 lb

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### Torsional Properties

- **St. Venant torsion constant (J x 1000):** 0.187 in⁴  
- **Warping constant (Cw):** 0.098 in⁶  
- **Distance from shear center to neutral axis (Xo):** -0.654 in  
- **Distance between shear center and web centerline (m):** 0.407 in  
- **Radii of gyration (Ro):** 1.625 in  
- **Torsional flexural constant (Beta):** 0.838

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### 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](http://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](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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