

Product Submittal Sheet

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

| Product catego | - | • | • | ructural Track) | | 05.40.00 (| Cold-Fo | rme |
|----------------------------------|---|------------|--------------|-----------------|-----------------------|--------------------------------|------------------|------|
| Product name: | | | • | i, CP60) - Unp | | | | Y |
| | | 43mils (1 | 8ga) | Coating: | CP60 per ASTM C955 | | ĺ | |
| | | | | Color coding: | Yellow | | | |
| Geometric Pro | perties | 5 | | | | | | |
| Web depth | 10.161 | | | | | | | |
| Leg width | 2.5 in | | | | | | m | |
| Design thickness | 0.0451 | 1 in I | Min. steel t | hickness | 0.0428 in | HLd | SC | CG |
| Yield strength, Fy | 33 ksi | 1 | *Fy with Co | ld-Work, Fya | 33.0 ksi | WEB DEPTH | x - 0 | • |
| Ultimate, Fu | 45.0 k | | - | | | M | - Xo | - |
| Gross Section I | Proper | rties of I | Full Secti | on. Strong | Axis | | | |
| | Gross Section Properties of Full Section, Strong Axis Cross sectional area (A) 0.676 in ² | | | | | | | |
| Member weight per foot of length | | lenath | | | 2.30 lb/ft | | (t) - | - |
| Moment of inertia (Ix) | | | | | 9.518 in ⁴ | | Į | |
| Section modulus (Sx) | | | | | 1.873 in ³ | | | Ŷ |
| Radius of gyration | , | | | | 3.752 in | | Ļ | LEG |
| Gross moment of inertia (ly) | | | | | 0.344 in⁴ | | | |
| Gross radius of gy | ration (F | Ry) | | | 0.713 in | Used in fr | aming | app |
| Effective Section | on Pro | perties. | Strong / | Axis | | Load-be | aring w | alls |
| Effective Area (Ae) | | ,, | | | 0.192 in ² | Curtain | walls | |
| Moment of inertia f | | ction (Ix) | | | 7.173 in ⁴ | Tall inter | rior wal | ls |
| Section modulus (S | | () | | | 0.877 in ³ | | | - |
| Allowable bending | , | nt (Ma) | | | 17.32 in-k | • Floor & (| cening | jois |
| Allowable shear for | | • • | | | 822 lb | Trusses | | |
| Torsional Prop | erties | | | | | | | |
| | | | | | | | | |

| St. Venant torsion constant (J x 1000) | 0.458 in ⁴ | | | |
|---|-----------------------|--|--|--|
| Warping constant (Cw) | 6.477 in ⁶ | | | |
| Distance from shear center to neutral axis (Xo) | -1.147 in | | | |
| Distance between shear center and web centerline (m) | 0.737 in | | | |
| Radii of gyration (Ro) | 3.988 in | | | |
| Torsional flexural constant (Beta) | 0.917 | | | |
| Web-depth to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads. | | | | |

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

Sustainability Credits:

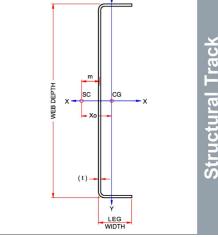
For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED

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 -- Clark Dietrich'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)

| Project Information | Contractor Information | Architect Information |
|---------------------|------------------------|-----------------------|
| Name: | Name: | Name: |
| Address: | Contact: | Contact: |
| | Phone: | Phone: |
| | Fax: | Fax: |
| | | |

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- sts