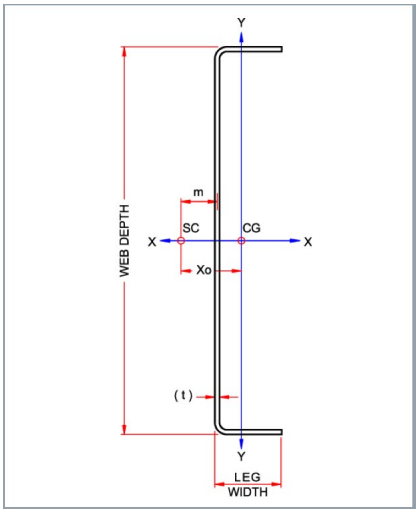
Product Submittal Sheet

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

Product category: T350 (3-1/2" Leg Structural Track)
Product name: **1400T350-118 (50ksi, CP60) - Unpunched**
118mils (10ga) Coating: CP60 per ASTM C955
Color coding: Blue

05.40.00 (Cold-Formed Metal Framing)



Geometric Properties

Web depth	14.435 in		
Leg width	3.5 in		
Design thickness	0.1242 in	Min. steel thickness	0.1180 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)	2.605 in^2
Member weight per foot of length	8.86 lb/ft
Moment of inertia (Ix)	72.704 in^4
Section modulus (Sx)	10.074 in^3
Radius of gyration (Rx)	5.283 in
Gross moment of inertia (Iy)	2.536 in^4
Gross radius of gyration (Ry)	0.987 in

Effective Section Properties, Strong Axis

Effective Area (Ae)	1.151 in^2
Moment of inertia for deflection (Ix)	65.745 in^4
Section modulus (Sx)	6.965 in^3
Allowable bending moment (Ma)	208.55 in-k
Allowable shear force in web	12344 lb

Torsional Properties

St. Venant torsion constant (J x 1000)	13.394 in^4
Warping constant (Cw)	95.978 in^6
Distance from shear center to neutral axis (Xo)	-1.579 in
Distance between shear center and web centerline (m)	1.015 in
Radii of gyration (Ro)	5.602 in
Torsional flexural constant (Beta)	0.921

Used in framing applications:

- **Load-bearing walls**
- **Curtain walls**
- **Tall interior walls**
- **Floor & ceiling joists**
- **Trusses**

ASTM & Code Standards:

- AISI North American Specification [NASPEC] S100-07 with 2010 supplement
- * 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 ATI CCRR-0206
- For installation & storage information refer to ASTM C1007
- MSDS & Product Certification Information is available at www.clarkdietrich.com

GREEN Benefits and Recycled Content:

LEED Credit MR 2 - ClarkDietrich products are manufactured from cold-formed steel. Steel is 100% recyclable, which helps divert debris from the waste stream. The contribution to LEED must be calculated by the contractor based on weight or volume.
LEED Credit MR 4 - ClarkDietrich's steel products have a minimum recycled content of 34.9%, of which 24.3% is post-consumer, and 9.4% is pre-consumer. To report a higher number for your project or seek Credit MR 5, contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com.

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