

## **Product Submittal Sheet**

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

Product category:		T250 (2-1/2" Leg Structural Track)			05.40.00 (Cold-Formed Metal Fram	ning)
Product name:		1 <b>200T250-97 (50H</b> 97mils (12ga)	(si, CP60) - Unp	ounched CP60 per ASTM C955		
Geometric Pro			5			Track
Web depth Leg width	12.356 2.5 in	in			m	la l
Design thickness Yield strength, Fy Ultimate, Fu	0.1017	*Fy with C	thickness Cold-Work, Fya	0.0966 in 50.0 ksi		Structural T
<b>Gross Section</b>	Proper	ties of Full Sec	tion, Strong	Axis		nc
Cross sectional area (A) Member weight per foot of length Moment of inertia (Ix) Section modulus (Sx) Radius of gyration (Rx)				1.727 in <sup>2</sup> 5.88 lb/ft 33.634 in <sup>4</sup> 5.444 in <sup>3</sup> 4.414 in	(t)	Str
Gross moment of inertia (Iy) Gross radius of gyration (Ry)				0.780 in⁴ 0.672 in	Used in framing applications:	
Effective Section Properties, Strong Axis					<ul> <li>Load-bearing walls</li> </ul>	
Effective Area (Ae) Moment of inertia for deflection (Ix)				0.767 in² 31.315 in⁴	<ul><li>Curtain walls</li><li>Tall interior walls</li></ul>	
Section modulus (Sx) Allowable bending moment (Ma)				3.954 in <sup>3</sup> 118.38 in-k	<ul> <li>Floor &amp; ceiling joists</li> </ul>	

Trusses

Effective Area (Ae)	0.767 in <sup>2</sup>
Moment of inertia for deflection (Ix)	31.315 in⁴
Section modulus (Sx)	3.954 in <sup>3</sup>
Allowable bending moment (Ma)	118.38 in-k
Allowable shear force in web	7902 lb

## **Torsional Properties**

St. Venant torsion constant (J x 1000)	5.953 in⁴
Warping constant (Cw)	22.100 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-1.021 in
Distance between shear center and web centerline (m)	0.668 in
Radii of gyration (Ro)	4.580 in
Torsional flexural constant (Beta)	0.950

## **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:

