

Product Submittal Sheet

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

Structural Track

Product catego	ory: T250	T250 (2-1/2" Leg Structural Track)		05.40.00 (Cold-Formed Metal	
Product name:	1200		si, CP60) - Unp	ounched CP60 per ASTM C955	
Geometric Pro	perties		5	5	
Web depth	12.250 in				
Leg width	2.5 in				m
Design thickness	0.0713 in	Min. steel	thickness	0.0677 in	H SC CG
Yield strength, Fy		*Fy with C	old-Work, Fya	50.0 ksi	
Ultimate, Fu	65.0 ksi	-	-		
Gross Section	Properties	of Full Sect	tion, Strong	Axis	
Cross sectional area (A)				1.211 in ²	
	Member weight per foot of length			4.12 lb/ft	(1)
Moment of inertia (Ix)				23.443 in⁴	
Section modulus (Sx)				3.828 in ³	Ŷ
Radius of gyration	Radius of gyration (Rx)			4.400 in	LEG WIDTH
Gross moment of inertia (ly)				0.556 in⁴	
Gross radius of gy	ration (Ry)			0.678 in	Used in framing application
Effective Secti	on Pronerti	es Strong	Axis		 Load-bearing walls
Effective Area (Ae	Effective Section Properties, Strong Axis Effective Area (Ae)			0.391 in ²	 Curtain walls
	Moment of inertia for deflection (Ix)			19.261 in⁴	 Tall interior walls
Section modulus (Sx)				2.106 in ³	 Floor & ceiling joists
AU 11 1 1'				00.05.	

Trusses

Effective Area (Ae) 0.3	391 in²
Moment of inertia for deflection (Ix) 19).261 in⁴
Section modulus (Sx) 2.1	106 in ³
Allowable bending moment (Ma) 63	3.05 in-k
Allowable shear force in web 27	′13 lb

Torsional Properties

St. Venant torsion constant (J x 1000)	2.052 in⁴
Warping constant (Cw)	15.528 in ⁶
Distance from shear center to neutral axis (Xo)	-1.033 in
Distance between shear center and web centerline (m)	0.676 in
Radii of gyration (Ro)	4.570 in
Torsional flexural constant (Beta)	0.949

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).

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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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