

# **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 Fran	
Product name:		00T250-54 (50ksi, CP60) - Unp 4mils (16ga) Coating		Y	
	0-	Coating Color coding	g: CP60 per ASTM C955 g: Green		
<b>Geometric Pro</b>	perties				
Web depth	8.198 in				
Leg width	2.5 in			m	
Design thickness	0.0566 in	Min. steel thickness	0.0538 in	H SC CG	
Yield strength, Fy	50 ksi	*Fy with Cold-Work, Fya	50.0 ksi		
Ultimate, Fu	65.0 ksi			× × ×	
<b>Gross Section</b>	Propertie	es of Full Section, Strong	Axis		
Cross sectional ar	ea (A)		0.735 in <sup>2</sup>		
Member weight pe	Member weight per foot of length			(t)	
Moment of inertia	(lx)		7.092 in <sup>4</sup>		
Section modulus (	Sx)		1.730 in <sup>3</sup>	Y	
Radius of gyration	(Rx)		3.106 in	LEG WIDTH	
Gross moment of	inertia (Iy)		0.407 in <sup>4</sup>		
Gross radius of gy	ration (Ry)		0.744 in	Used in framing applications:	
Effective Secti	on Prone	erties, Strong Axis		<ul> <li>Load-bearing walls</li> </ul>	
Effective Area (Ae			0.247 in <sup>2</sup>	Curtain walls	
•	,		5.816 in <sup>4</sup>	Tall interior walls	
Moment of inertia for deflection (Ix) Section modulus (Sx)			0.959 in <sup>3</sup>		
Allowable bending moment (Ma)			28.71 in-k	<ul> <li>Floor &amp; ceiling joists</li> </ul>	
/ liewable benuing	inoment (i	ina)		<b>T</b>	

2039 lb

Trusses

#### **Torsional Properties**

Allowable shear force in web

St. Venant torsion constant (J x 1000) 0.785 in	
Warping constant (Cw) 4.870 in	1 <sup>6</sup>
Distance from shear center to neutral axis (Xo) -1.268 in	n
Distance between shear center and web centerline (m) 0.798 in	1
Radii of gyration (Ro) 3.437 in	1
Torsional flexural constant (Beta) 0.864	

### **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:

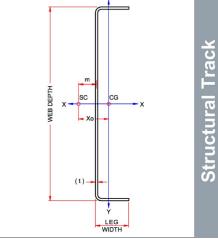
For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED

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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