

# **Product Submittal Sheet**

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

Product catego	ory: T150	T150 (1-1/2" Leg Structural Track) <b>725T150-68 (50ksi, CP60) - Unpunched</b> 68mils (14ga) Coating: CP60 per ASTM C955		05.40.00 (Cold-Formed Meta
Product name:	725T			
	6800	County	: CP60 per ASTM C95	5
		Color coding	: Orange	
Geometric Pro	perties			
Web depth	7.500 in			
Leg width	1.5 in			m
Design thickness	0.0713 in	Min. steel thickness	0.0677 in	
Yield strength, Fy	50 ksi	*Fy with Cold-Work, Fya	50.0 ksi	
Ultimate, Fu	65.0 ksi			ž – Xo –
Gross Section	Properties	of Full Section, Strong	Axis	
Cross sectional are	ea (A)		0.730 in <sup>2</sup>	
Member weight per foot of length			2.48 lb/ft	(t)
Moment of inertia (Ix)			5.196 in <sup>4</sup>	
Section modulus (Sx)			1.386 in <sup>3</sup>	Y
Radius of gyration (Rx)			2.668 in	
Gross moment of inertia (ly)			0.117 in⁴	
Gross radius of gyration (Ry)			0.401 in	Used in framing application
Effective Section	on Properti	es Strong Axis		<ul> <li>Load-bearing walls</li> </ul>
	Effective Section Properties, Strong Axis Effective Area (Ae) 0.369 in <sup>2</sup>			<ul> <li>Curtain walls</li> </ul>
Effective Area (Ae) Moment of inertia for deflection (Ix)			5.002 in <sup>4</sup>	<ul> <li>Tall interior walls</li> </ul>
Section modulus (Sx)			1.118 in <sup>3</sup>	
Allowable bending moment (Ma)			33.49 in-k	<ul> <li>Floor &amp; ceiling joists</li> </ul>
Allowable benuing	moment (Ma)	1	55. <del>-</del> 5 III-K	_

Trusses

## **Torsional Properties**

Allowable shear force in web

St. Venant torsion constant (J x 1000)	1.237 in⁴
Warping constant (Cw)	1.222 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-0.607 in
Distance between shear center and web centerline (m)	0.397 in
Radii of gyration (Ro)	2.766 in
Torsional flexural constant (Beta)	0.952

### **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

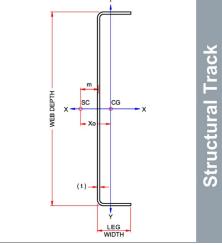
LEED v4 MR Credit -- Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).

4516 lb

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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