PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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1200T125-54[1] Track

Product Description: 12” Track 16GA (1-1/4” Leg, 54mil)

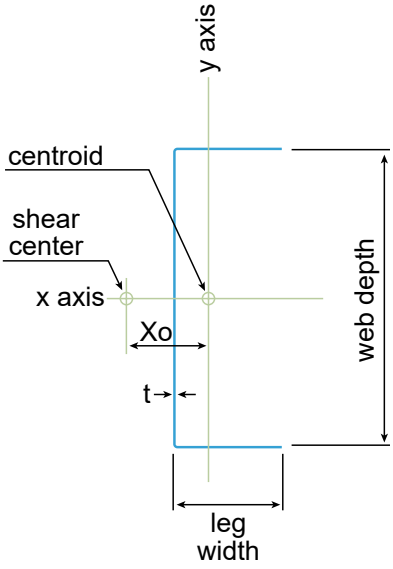
Coating: G60 (standard), G90 (special order)

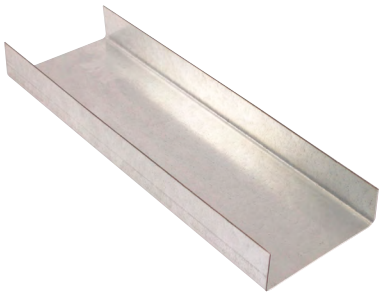
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	12 in.	Yield Strength, Fy	50 ksi
Leg Width	1.25 in.	Design Thickness	0.0566 in.
		Min. Steel Thickness	0.0538 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	0.820
Weight (lb/ft)	Linear weight per foot	2.79
Ix (in^4)	Moment of inertia about the x-axis	13.341
Sx (in^3)	Section modulus about the x-axis	2.187
Rx (in)	Radius of gyration about the x-axis	4.034
Iy (in^4)	Moment of inertia about the y-axis	0.060
Ry (in)	Radius of gyration about the y-axis	0.271
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	11.460
Sx (in^3)	Effective section modulus (x-axis)	1.287
Ma (in-k)	Allowable bending moment-effective section modulus	32.18
Va_g (lb)	Allowable shear force in web	1354
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.8756
Cw (in^6)	Warping constant	1.820
Xo (in)	Distance from shear center to centroid	-0.333
m (in)	Distance from shear center to mid-plane of web	0.230
Ro (in)	Polar radius of gyration	4.056
Beta	Torsional Flexural Constant	0.993

**1 Web-height to thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.*





Codes & Standards:

- **Structural Members**
  - ASTM C955
  - AISI S240
  - Installed per ASTM C1007
- **Material Standards**
  - ASTM A1003/A1003M
  - ASTM A653/A653M
- **Design Standards**
  - AISI S100-16 (2020) w/S2-20
- **Building Codes**
  - International Building Code (IBC) 2006–2024

- **Sustainability & Compliance:**
  - SFIA Quality Certified Manufacturing
  - Industry-Wide EPD Participant
  - HPD Documentation Available Upon Request
  - LEED Documentation Available Upon Request
  - Buy America / Build America (BABA) Documentation Available Upon Request
  - Manufactured in USA

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