PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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1600T125-54[1] Track

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

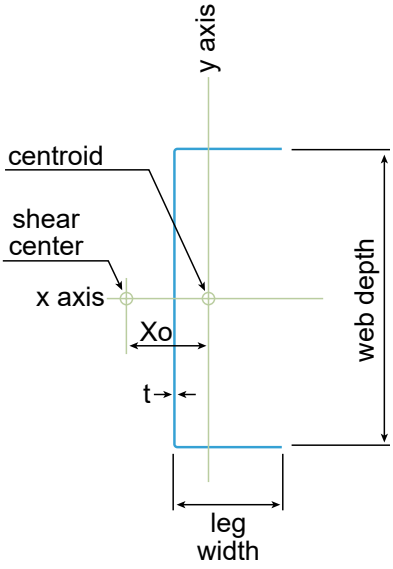
Coating: G60 (standard), G90 (special order)

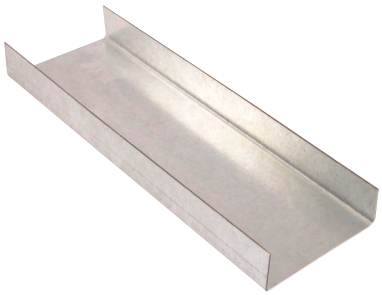
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	16 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	1.046
Weight (lb/ft)	Linear weight per foot	3.56
Ix (in^4)	Moment of inertia about the x-axis	28.500
Sx (in^3)	Section modulus about the x-axis	3.519
Rx (in)	Radius of gyration about the x-axis	5.219
Iy (in^4)	Moment of inertia about the y-axis	0.062
Ry (in)	Radius of gyration about the y-axis	0.243
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	22.345
Sx (in^3)	Effective section modulus (x-axis)	1.749
Ma (in-k)	Allowable bending moment-effective section modulus	43.72
Va_g (lb)	Allowable shear force in web	1014
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	1.1174
Cw (in^6)	Warping constant	3.432
Xo (in)	Distance from shear center to centroid	-0.272
m (in)	Distance from shear center to mid-plane of web	0.191
Ro (in)	Polar radius of gyration	5.232
Beta	Torsional Flexural Constant	0.997

**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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