

Product category: T125 (1-1/4" Leg Structural Track)
Product name: **600T125-54 (50ksi, CP60) - Unpunched**
54mils (16ga) Finish: CP60 per ASTM C955
Color coding: Green

Geometric Properties

Web depth	6.198 in		
Leg width	1.25 in		
Design thickness	0.0566 in	Min. steel thickness	0.0538 in
Yield strength, Fy	50 ksi	*Fy with Cold-Work, Fya	50.0 ksi
Ultimate, Fu	65.0 ksi		

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A)	0.480 in ²
Member weight per foot of length	1.63 lb/ft
Moment of inertia (Ix)	2.345 in ⁴
Section modulus (Sx)	0.757 in ³
Radius of gyration (Rx)	2.209 in
Gross moment of inertia (Iy)	0.054 in ⁴
Gross radius of gyration (Ry)	0.335 in

Effective Section Properties, Strong Axis

Effective Area (Ae)	0.234 in ²
Moment of inertia for deflection (Ix)	2.241 in ⁴
Section modulus (Sx)	0.592 in ³
Allowable bending moment (Ma)	17.74 in-k
Allowable shear force in web	2728 lb

Torsional Properties

St. Venant torsion constant (J x 1000)	0.513 in ⁴
Warping constant (Cw)	0.384 in ⁶
Distance from shear center to neutral axis (Xo)	-0.508 in
Distance between shear center and web centerline (m)	0.332 in
Radii of gyration (Ro)	2.292 in
Torsional flexural constant (Beta)	0.951

ASTM & Code Standards:

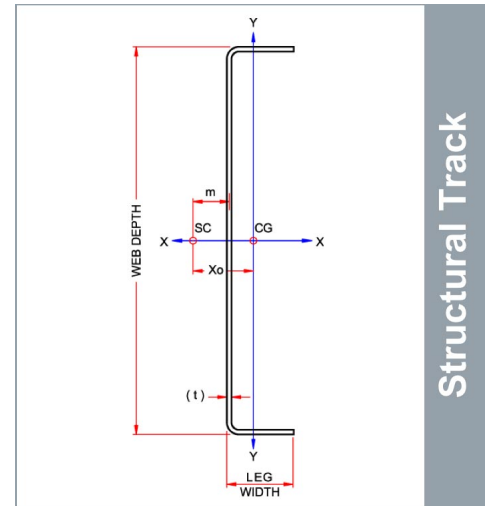
- AISI North American Specification [NASPEC] S100-07 with 2010 supplement
- * Effective properties incorporate the strength increase from the cold work of forming
- Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955, A653 and A1003
- Galvanized sheet steel meets or exceeds requirements of ASTM A924
- ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance Certification Program and ICC-ES ESR-1166P
- For installation & storage information refer to ASTM C1007
- MSDS & Product Certification Information is available at www.clarkdietrich.com

GREEN Benefits and Recycled Content:

LEED Credit MR 2 - ClarkDietrich products are manufactured from cold-formed steel. Steel is 100% recyclable, which helps divert debris from the waste stream. The contribution to LEED must be calculated by the contractor based on weight or volume.

LEED Credit MR 4 - ClarkDietrich's steel products have a minimum recycled content of 34.9%, of which 24.3% is post-consumer, and 9.4% is pre-consumer. To report a higher number for your project or seek Credit MR 5, contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com.

05.40.00 (Cold-Formed Metal Framing)



Structural Track

Used in framing applications:

- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses

Project Information

Name: cavobuilderssupplies.com
Address:

Contractor Information

Name:
Contact:
Phone:
Fax:

Architect Information

Name:
Contact:
Phone:
Fax: