

**Product category:** T125 (1-1/4" Leg Structural Track)  
**Product name:** **800T125-54 (50ksi, CP60) - Unpunched**  
54mils (16ga) Finish: CP60 per ASTM C955  
Color coding: Green

### Geometric Properties

Web depth	8.198 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)	0.594 in <sup>2</sup>
Member weight per foot of length	2.02 lb/ft
Moment of inertia (Ix)	4.747 in <sup>4</sup>
Section modulus (Sx)	1.158 in <sup>3</sup>
Radius of gyration (Rx)	2.828 in
Gross moment of inertia (Iy)	0.057 in <sup>4</sup>
Gross radius of gyration (Ry)	0.309 in

### Effective Section Properties, Strong Axis

Effective Area (Ae)	0.238 in <sup>2</sup>
Moment of inertia for deflection (Ix)	4.427 in <sup>4</sup>
Section modulus (Sx)	0.824 in <sup>3</sup>
Allowable bending moment (Ma)	24.66 in-k
Allowable shear force in web	2039 lb

### Torsional Properties

St. Venant torsion constant (J x 1000)	0.634 in <sup>4</sup>
Warping constant (Cw)	0.735 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-0.432 in
Distance between shear center and web centerline (m)	0.289 in
Radii of gyration (Ro)	2.877 in
Torsional flexural constant (Beta)	0.977

### ASTM & Code Standards:

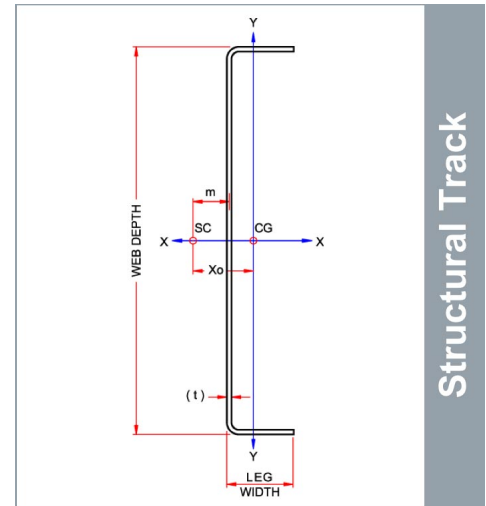
- AISI North American Specification [NASPEC] S100-07 with 2010 supplement
- \* Effective properties incorporate the strength increase from the cold work of forming
- Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955, A653 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](http://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](http://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:  
Address:

#### Contractor Information

Name:  
Contact:  
Phone:  
Fax:

#### Architect Information

Name:  
Contact:  
Phone:  
Fax: