

**Product category:** T350 (3-1/2" Leg Structural Track)  
**Product name:** 1350T350-97 (50ksi, CP60) - Unpunched  
97mils (12ga) Coating: CP60 per ASTM C955  
Color coding: Red

### Geometric Properties

Web depth	13.856 in		
Leg width	3.5 in		
Design thickness	0.1017 in	Min. steel thickness	0.0966 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)	2.083 in <sup>2</sup>
Member weight per foot of length	7.09 lb/ft
Moment of inertia (Ix)	54.400 in <sup>4</sup>
Section modulus (Sx)	7.852 in <sup>3</sup>
Radius of gyration (Rx)	5.111 in
Gross moment of inertia (Iy)	2.078 in <sup>4</sup>
Gross radius of gyration (Ry)	0.999 in

### Effective Section Properties, Strong Axis

Effective Area (Ae)	0.786 in <sup>2</sup>
Moment of inertia for deflection (Ix)	47.242 in <sup>4</sup>
Section modulus (Sx)	5.278 in <sup>3</sup>
Allowable bending moment (Ma)	158.03 in-k
Allowable shear force in web	7014 lb

### Torsional Properties

St. Venant torsion constant (J x 1000)	7.180 in <sup>4</sup>
Warping constant (Cw)	72.294 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-1.617 in
Distance between shear center and web centerline (m)	1.036 in
Radii of gyration (Ro)	5.453 in
Torsional flexural constant (Beta)	0.912

### ASTM & Code Standards:

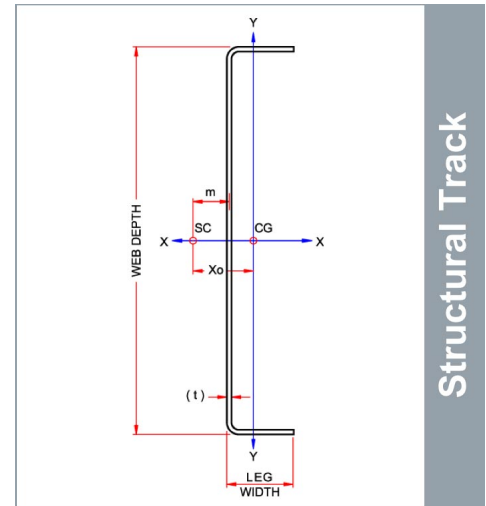
- AISI North American Specification [NASPEC] S100-07 with 2010 supplement
- \* Effective properties incorporate the strength increase from the cold work of forming
- Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955
- 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 ATI CCRR-0206
- 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: