

**Product category:** T300 (3" Leg Structural Track)  
**Product name:** **1350T300-97 (50ksi, CP60) - Unpunched**  
 97mils (12ga) Coating: CP60 per ASTM C955  
 Color coding: Red

### Geometric Properties

Web depth 13.856 in  
 Leg width 3 in  
 Design thickness 0.1017 in Min. steel thickness 0.0966 in  
 Yield strength,  $F_y$  50 ksi \* $F_y$  with Cold-Work,  $F_{ya}$  50.0 ksi  
 Ultimate,  $F_u$  65.0 ksi

### Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A) 1.981 in<sup>2</sup>  
 Member weight per foot of length 6.74 lb/ft  
 Moment of inertia (Ix) 49.590 in<sup>4</sup>  
 Section modulus (Sx) 7.158 in<sup>3</sup>  
 Radius of gyration (Rx) 5.003 in  
 Gross moment of inertia (Iy) 1.343 in<sup>4</sup>  
 Gross radius of gyration (Ry) 0.824 in

### Effective Section Properties, Strong Axis

Effective Area ( $A_e$ ) 0.780 in<sup>2</sup>  
 Moment of inertia for deflection (Ix) 43.805 in<sup>4</sup>  
 Section modulus (Sx) 4.625 in<sup>3</sup>  
 Allowable bending moment ( $M_a$ ) 138.47 in-k  
 Allowable shear force in web 7014 lb

### Torsional Properties

St. Venant torsion constant ( $J \times 1000$ ) 6.829 in<sup>4</sup>  
 Warping constant ( $C_w$ ) 47.541 in<sup>6</sup>  
 Distance from shear center to neutral axis ( $X_o$ ) -1.277 in  
 Distance between shear center and web centerline (m) 0.830 in  
 Radii of gyration ( $R_o$ ) 5.229 in  
 Torsional flexural constant (Beta) 0.940

### ASTM & Code Standards:

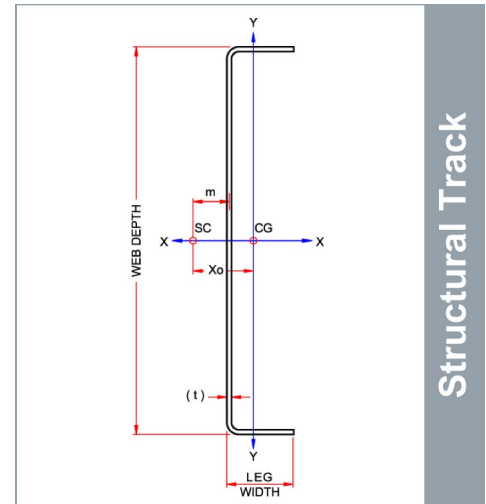
- AISI North American Specification [NASPEC] S100-07 with 2010 supplement
- \* Effective properties incorporate the strength increase from the cold work of forming
- Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955
-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



### 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: