

**3.75 (IN) DRYWALL TRACK WITH 1.25 (IN) LEGS - 18MILS (20GA)  
COATING: G40**

|                            |             |
|----------------------------|-------------|
| Web Depth                  | 3.75 (in)   |
| Leg Length                 | 1.25 (in)   |
| Design Thickness           | 0.0188 (in) |
| Min. Deliverable Thickness | 0.0179 (in) |
| Yield Strength, Fy         | 50 (ksi)    |


**GROSS SECTION PROPERTIES (FULL SECTION)**

|                                  |                           |
|----------------------------------|---------------------------|
| Area (Ag)                        | 0.1152 (in <sup>2</sup> ) |
| Member weight per foot of length | 0.392 (lb/ft)             |
| Moment of inertia X-X axis (Ix)  | 0.2379 (in <sup>4</sup> ) |
| Section Modulus X-X axis (Sxx)   | 0.1270 (in <sup>3</sup> ) |
| Radius of gyration X-X Axis (Rx) | 1.4370 (in)               |
| Moment of inertia Y-Y axis (Iyy) | 0.0166 (in <sup>4</sup> ) |
| Radius of gyration Y-Y axis (Ry) | 0.3801 (in)               |

**EFFECTIVE SECTION PROPERTIES**

|                                        |                           |
|----------------------------------------|---------------------------|
| Moment of inertia for deflection (Ixe) | 0.1757 (in <sup>4</sup> ) |
| Section Modulus (Sxe)                  | 0.0536 (in <sup>3</sup> ) |
| Allowable Local Buckling Moment (Ma)   | 1.60 (in-k)               |
| Allowable shear force in web (Va-g)    | 167 (lb)                  |

**TORSIONAL PROPERTIES**

|                                                 |                           |
|-------------------------------------------------|---------------------------|
| St. Venant torsional constant (J x 1000)        | 0.0136 (in <sup>4</sup> ) |
| Warping Constant (Cw)                           | 0.0416 (in <sup>6</sup> ) |
| Distance from shear center to neutral axis (Xo) | -0.6646 (in)              |
| Radii of gyration (Ro)                          | 1.6282 (in)               |
| Torsional flexural constant (b)                 | 0.8334                    |