

Sales: (888)248-8076 Fax: (847)680-7883 www.mbastuds.com

# **Submittal Data – Drywall Track**

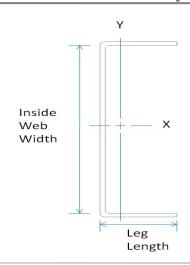
### **Member Designator** 3

nator 350PT100-15 G40 EQ

### **Physical Properties**

Coating

Design Thickness 0.0158 in Mil 15 mil Gauge 25 Gauge Web Width 3.50 in Flange Width 1.00 in Yield Strength 50 ksi



#### **Gross Properties**

Gross Properties								
Area	Weight	lx	Sx	Rx	ly	Ry		
(in <sup>2</sup> )	(lb/ft)	(in <sup>4</sup> )	(in <sup>3</sup> )	(in)	(in⁴)	(in)		
0.087	0.296	0.156	0.088	1.341	0.007	0.294		

## **Effective Properties**

Effective Properties							
Ae	lxe	Sxe	Ma				
(in <sup>2</sup> )	(in <sup>4</sup> )	(in <sup>3</sup> )	(in-lbs)				
0.021	0.112	0.034	1017				

# **Torsional Properties**

Torsional								
J <sup>x1000</sup>	Cw	Xo	Ro	β				
(in⁴)	(in <sup>6</sup> )	(in)	(in)					
0.007	0.017	-0.490	1.458	0.887				

#### **General Notes**

- 1. Physical properties and load tables have been calculated based on AISI S100-07, NASPEC for Design of Cold-Formed Steel Structural Members.
- 2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
- 3. Allowable moment includes cold-work of forming.
- 4. Tabulated gross properties, including torsional properties, are based on full-unreduced cross section of the studs (away from punchouts) & tracks.
- 5. Allowable moment is taken as the lowest value based on local or distortional buckling. Distortional buckling strength is based on a k-phi = 0.
- 6. Drywall framing members have a protective coating conforming to ASTM spec A 653/A 653M, G-40 min, or equivalent corrosion resistance.
- 7. Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
- 8. Drywall framing members are marked with product information per the requirements of ASTM C 645 section 14.
- 9. All delivered material must be kept dry. If it is necessary to store material outside, it must be stacked off the ground, properly supported on a level platform, and fully protected from the weather. Reference ASTM C 754 section 8 and ASTM C 1007 section 4.
- 10. Drywall framing [nonstructural 25 gauge, 22 gauge and 20 gauge] is not permitted in load bearing (i.e. axial load greater than 200 lbs.) or exterior applications (i.e. transverse load greater than 10 PSF). Reference ASTM C 645 section 3.2.2.

#### **LEED Green Building Credits**

MR Credit 2: Construction Waste Management – MBA steel framing is 100% recyclable.

MR Credit 4: Recycled Content – MBA steel framing is formed from no less than 25.5% post-consumer and 6.8% pre-consumer recycled content. MR Credit 5: Regional Materials – MBA has manufacturing facilities in multiple states.

