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

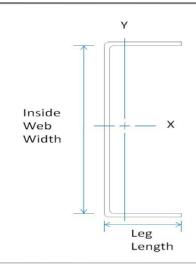
# Submittal Data - Drywall Track

#### **Member Designator**

400PT200-30 Coating **G40 EQ** 

**Physical Properties** 

**Design Thickness** 0.0312 in Mil 30 mil 20 Gauge Gauge Web Width 4.00 in Flange Width 2.00 in **Yield Strength** 33 ksi



### **Gross Properties**

Gross Properties							
Area	Weight	lx	Sx	Rx	ly	Ry	
(in <sup>2</sup> )	(lb/ft)	(in <sup>4</sup> )	(in³)	(in)	(in <sup>4</sup> )	(in)	
0.249	0.849	0.682	0.333	1.654	0.102	0.639	

## **Effective Properties**

Effective Properties							
Ae	lxe	Sxe	Ma				
(in <sup>2</sup> )	(in⁴)	(in <sup>3</sup> )	(in-lbs)				
0.089	0.502	0.176	3480				

# **Torsional Properties**

Torsional								
J <sup>x1000</sup>	Cw	Xo	Ro	β				
(in <sup>4</sup> )	(in <sup>6</sup> )	(in)	(in)					
0.081	0.297	-1.232	2.160	0.674				

#### **General Notes**

- 1. MBA Building Supplies is a SSMA member company. MBA adheres to the product standards and quality standards as required by SSMA.
- 2. Physical properties and load tables have been calculated in conformance with the 2001 NASPEC for the Design of Cold-Formed Steel Structural Members, including the 2004 Supplement, and the IBC 2006, unless noted otherwise.
- 3. Allowable composite heights are calculated using ICC-ES AC86-2010. The 1/3 stress increase was not used.
- 4. Drywall framing members have a protective coating conforming to ASTM spec A 653/A 653M, G-40 min, or equivalent corrosion resistance.
- 5. Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
- 6. Drywall framing members are marked with product information per the requirements of ASTM C 645 section 14.
- 7. All delivered material must be kept dry, preferably by being stored inside a building under a roof. 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.
- 8. 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 Illinois and Alabama.

