

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

## Submittal Data – Drywall Track

Member Designator Coating	<b>400PT250-30</b> G40 EQ	Y
Physical Properties		
Design Thickness	0.0312 in	Inside
Mil	30 mil	Web X Width X
Gauge	20 Gauge	width
Web Width	4.00 in	
Flange Width	2.50 in	
Yield Strength	33 ksi	
		Leg
		Length

		Gross Properties					
Gross Properties	Area	Weight	Ix	Sx	Rx	ly	Ry
	(in <sup>2</sup> )	(lb/ft)	(in⁴)	(in <sup>3</sup> )	(in)	(in⁴)	(in)
	0.281	0.955	0.812	0.396	1.701	0.187	0.816

Effective Properties				
Ae Ixe		Sxe	Ma	
(in²)	(in <sup>4</sup> )	(in <sup>3</sup> )	(in-lbs)	
0.090	0.551	0.173	3425	

## **Effective Properties**

Torsional					
J <sup>×1000</sup>	Cw	Хо	Ro	β	
(in <sup>4</sup> )	(in <sup>6</sup> )	(in)	(in)		
0.091	0.543	-1.662	2.514	0.563	

## **General Notes**

- 1. MBA Building Supplies is a SSMA member company. MBA adheres to the product standards and quality standards as required by SSMA.
- 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.
  - 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.

