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

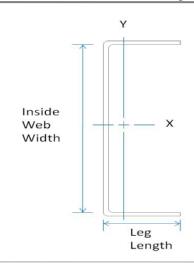
Submittal Data – Drywall Track

Member Designator

400PT250-33 Coating **G40 EQ**

Physical Properties

Design Thickness 0.0346 in Mil 33 mil 20 Gauge Gauge Web Width 4.00 in Flange Width 2.50 in **Yield Strength** 33 ksi



Gross Properties

Gross Properties								
Area	Weight	lx	Sx	Rx	ly	Ry		
(in ²)	(lb/ft)	(in ⁴)	(in³)	(in)	(in ⁴)	(in)		
0.311	1.059	0.901	0.439	1.702	0.207	0.815		

Effective Properties

Effective Properties							
Ae	lxe	Sxe	Ma				
(in ²)	(in⁴)	(in ³)	(in-lbs)				
0.109	0.622	0.214	4221				

Torsional Properties

Torsional								
J ^{x1000}	Cw	Xo	Ro	β				
(in⁴)	(in ⁶)	(in)	(in)					
0.124	0.602	-1.660	2.514	0.564				

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.

