METAL FRAMING	Sales:(888)248-8076 Fax:(847)680-7883 www.mbastuds.com	S	ubmitta	l Data –	Drywall Track
Member Designator	550PT300-18			Y	
Coating	CP40, G40				
Physical Properties					
Design Thickness	0.019 in		Inside		
Mil	18mil		Web		— X
Gauge	20 Gauge		Width		
Web Width	5.50 in				
Flange Width	3.00 in				
Yield Strength	50 ksi				
Grace Droparties	Area Weigh			ly Ry	g ngth
Gross Properties	(in ²) (lb/ft)	(in ⁴)	(in) (i	n ⁴) (in)	_
	0.218 0.74	1.144	2.288 0.2	207 0.972	
	Ae Ix	Sx	Ma	Vag	
	(in ²) (in ⁴	^ı) (in ^³) (in-lbs)	(lb)	
Effective Properties	0.03 0.47	73 0.07	9 2365	112	
	Jx1000 Cw	Хо	Ro	β	
Territorial Decembra	(in ²) (in ⁴)	(in ³)	(in-lbs)		
Torsional Properties	0.02629 1.11		, ,	0.627	

General Notes

- 1. Calculated properties are based on AISI S100-12, North American Specification for Design of Cold-Formed Steel Structural Members and AISI S220-15, North American Standard for Cold-Formed Steel Framing - Nonstructural 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.
- 5. For deflection calculations, use the effective moment of inertia.
- 6. Allowable moment is taken as the lowest value based on local or distortional buckling. Distortional buckling strength is based on a k-phi = 0.
- 7. Drywall framing members have a protective coating conforming to ASTM spec A 653/A 653M, G-40 min, or equivalent corrosion resistance.
 - 8. Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
 - 9. Drywall framing members are marked with product information per the requirements of ASTM C 645 section 14.
 - 10. 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.
 - 11. 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

LEED v4 MR Credit - Building Product Disclosure Optimization: EPD (1 Point), Raw Material Sourcing (1 Point), Material Ingredients (1 Point), Construction and Demolition Waste (up to 2 points), Innovation Credit (up to 2 points)

LEED 2009 Credit - MBA steel products are 100% recyclable with a minimum recycle content of 32.7% (25.5% Post-Consumer and 6.8% Pre-Consumer/Post-Industrial). Higher rates can be achieved for MR5 by pre-planning with MBA sales@mbastuds.com or (888) 248-8076.

