	Sales:(888)248-8076 Fax:(847)680-7883 www.mbastuds.com			Submittal Data – Drywall Track			
Member Designator	162PT200-18			Y			
Coating	CP40, G40						
Physical Properties Design Thickness Mil Gauge Web Width Flange Width Yield Strength	0.019 in 18mil 20 Gauge 1.625 in 2.00 in 50 ksi				Inside Web Width	*	X Leg
							Length
	Area	Weight	Ix	Rx	ly	Ry]
Gross Properties	(in ²)	(lb/ft)	(in ⁴)	(in)	(in ⁴)	(in)	
	0.107	0.36	0.061	0.753	0.047	0.662]
	Ae	Ix	Sx		Ма	Vag	
Effective Properties	(in ²)	(in ⁴)	(in ^ŝ	³) (i	n-lbs)	(lb)	
	0.028	0.032	0.02	21	642	380	
							-
	Jx1000	Cw	Хо	R	0	β	
Torsional Properties	(in ²)	(in⁴)	(in³)	n ³) (in-lbs)			
	0.01285	0.024	-1.577	7 1.8	869 0	.288	

General Notes

- 1. Calculated properties are based on AISI \$100-12, North American Specification for Design of Cold-Formed Steel Structural Members and AISI \$220-15, 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.

