	Sales:(888)248 Fax:(847)680- www.mbastuc	S	Submittal Data – Drywall Track				
Member Designator	400PT25				Y		
Coating	CP40, G40	CP40, G40			-	r r t	
Physical Properties	0.010 in						
Design Thickness Mil	0.019 in 18mil				nside Veb		X
Gauge	20 Gauge				Vidth		
Web Width	4.00 in						
Flange Width	2.50 in						
Yield Strength	50 ksi						
							Leg Length
Gross Properties	Area	Weight	Ix	Rx	ly	Ry	
	(in ²)	(lb/ft)	(in⁴)	(in)	(in⁴)	(in)	
	0.171	0.58	0.492	1.697	0.114	0.818	3
							_
	Ae	İx	Sx	N	la	Vag	
Effective Properties	(in ²)	(in⁴)	(in ³) (in-	lbs)	(lb)	
	0.029	0.239	0.05	5 16	61	154	
Torsional Properties	Jx1000	Cw	Хо	Ro	β		
	(in ²)	(in ⁴)	(in ³)	(in-lbs))		
	0.02057	0.331	-1.669	2.517	, 0.56	;	
	L						

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.

