MBA METAL FRAMING
Sales: (888) 248-8076
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www.mbastuds.com

Submittal Data – Drywall Track

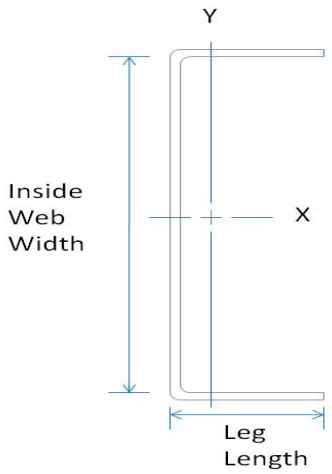
Member Designator 400PT150-15

Coating G40 EQ

Physical Properties

Design Thickness	0.0158 in
Mil	15 mil
Gauge	25 Gauge
Web Width	4.00 in
Flange Width	1.50 in
Yield Strength	50 ksi

Note : Web depth to thickness ratio exceeds 200, web stiffeners are required at bearing locations in non-composite conditions



Gross Properties

Gross Properties						
Area (in^2)	Weight (lb/ft)	Ix (in^4)	Sx (in^3)	Rx (in)	Iy (in^4)	Ry (in)
0.111	0.376	0.279	0.137	1.589	0.024	0.464

Effective Properties

Effective Properties			
Ae (in^2)	Ixe (in^4)	Sxe (in^3)	Ma (in-lbs)
0.021	0.158	0.039	1175

Torsional Properties

Torsional				
J^{x1000} (in^4)	Cw (in^6)	Xo (in)	Ro (in)	β
0.009	0.070	-0.832	1.852	0.798

General Notes

1. 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.
2. Allowable composite heights are calculated using ICC-ES AC86-2010. The 1/3 stress increase was not used.
3. Drywall framing members have a protective coating conforming to ASTM spec A 653/A 653M, G-40 min, or equivalent corrosion resistance.
4. Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
5. Drywall framing members are marked with product information per the requirements of ASTM C 645 section 14.
6. 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.
7. 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 multiple states.