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

Submittal Data – Drywall Stud

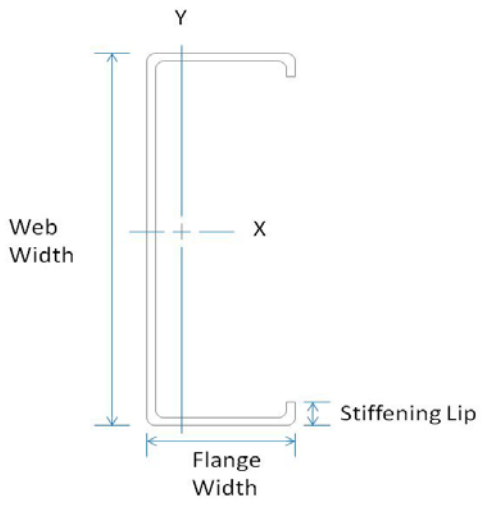
Member Designator 600S125-30

Coating G40 EQ

Physical Properties

Design Thickness	0.0312 in
Mil	30 mil
Gauge	20 Gauge
Web Width	6.00 in
Flange Width	1.25 in
Stiffening Lip	0.25 in
Yield Strength	33 ksi

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



Gross Properties

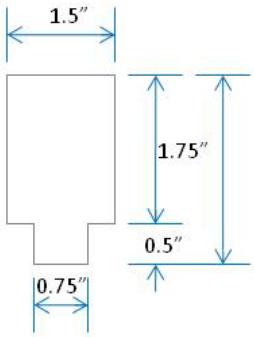
Area (in^2)	Weight (lb/ft)	Ix (in^4)	Sx (in^3)	Rx (in)	Iy (in^4)	Ry (in)
0.274	0.932	1.324	0.441	2.199	0.043	0.396

Effective Properties

Ae (in^2)	Ixe (in^4)	Sxe (in^3)	Ma (in-lbs)
0.109	1.281	0.338	6671

Torsional Properties

J^{x1000} (in^4)	Cw (in^6)	Xo (in)	Ro (in)	β
0.089	0.303	-0.651	2.327	0.922



Keyhole Punch

Composite Limiting Wall Heights (5/8” Type X Gypsum Board)

Section	Spacing (in) o.c.	5 psf			7.5 psf			10 psf			15 psf		
		L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
600PS125-30	12	36'-3"	28'-10"	25'-2"	31'-8"	25'-2"	22'-0"	28'-10"	22'-10"	20'-0"	20'-2" f	20'-0"	17'-5"
600PS125-30	16	33'-0"	26'-2"	22-10"	28'-10"	22'-10"	20'-0"	26'-2"	20'-9"	18'-2"	17'-6" f	17'-6" f	15'-10"
600PS125-30	24	28'-10"	22'-10"	20'-0"	25'-1" f	20'-0"	17'-5"	21'-9" f	18'-2"	15'-10"	14'-3" f	14'-3" f	13'-10"

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.