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

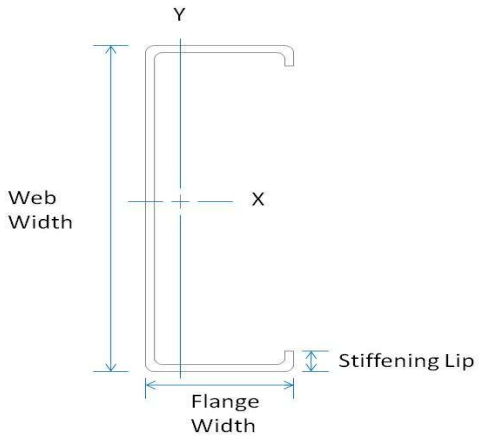
Submittal Data – Structural Stud

Member Designator 400S162-43

Coating CP60

Physical Properties

Design Thickness	0.0451 in
Mil	43 mil
Gauge	18 Gauge
Web Width	4.00 in
Flange Width	1.625 in
Stiffening Lip	0.50 in
Yield Strength	33 ksi



Gross Properties

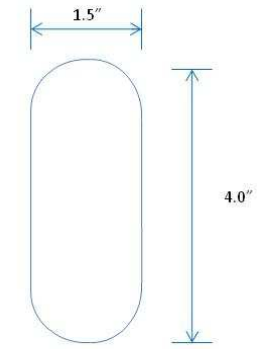
Area (in^2)	Weight (lb/ft)	Ix (in^4)	Sx (in^3)	Rx (in)	Iy (in^4)	Ry (in)
0.357	1.21	0.892	0.446	1.581	0.131	0.606

Effective Properties

Ix (in^4)	Sx (in^3)	Ma (in-k)	Vag (lb)
0.892	0.417	8.23	1739

Torsional Properties

J^{x1000} (in^4)	Cw (in^6)	Xo (in)	m (in)	Ro (in)	β
0.242	0.460	-1.252	0.761	2.106	0.647



Structural Punch

Limiting Wall Heights – Curtain Wall

Section	Spacing (in) o.c.	5 psf L/120	5 psf L/240	5 psf L/360	15 psf L/240	15 psf L/360	15 psf L/600	20 psf L/240	20 psf L/360	20 psf L/600	25 psf L/240	25 psf L/360	25 psf L/600
400S162-43	12	28' 7"	22' 8"	19' 9"	15' 8"	13' 8"	11' 7"	14' 3"	12' 5"	10' 6"	13' 3"	11' 7"	9' 9"
400S162-43	16	25' 11"	20' 7"	18' 0"	14' 3"	12' 5"	10' 6"	12' 11"	11' 4"	9' 6"	12' 0"	10' 6"	8' 10"
400S162-43	24	22' 8"	18' 0"	15' 8"	12' 5"	10' 10"	9' 2"	11' 4"	9' 10"	8' 4"	10' 6"	9' 2"	7' 9"

Section	Spacing (in) o.c.	30 psf L/240	30 psf L/360	30 psf L/600	35 psf L/240	35 psf L/360	35 psf L/600	40 psf L/240	40 psf L/360	40 psf L/600	50 psf L/240	50 psf L/360	50 psf L/600
400S162-43	12	12' 5"	10' 10"	9' 2"	11' 10"	10' 4"	8' 8"	11' 4"	9' 10"	8' 4"	10' 6"	9' 2"	7' 9"
400S162-43	16	11' 4"	9' 10"	8' 4"	10' 9"	9' 5"	7' 11"	10' 3"	9' 0"	7' 7"	9' 6"	8' 4"	7' 0"
400S162-43	24	9' 10"	8' 7"	7' 3"	9' 5"	8' 2"	6' 11"	9' 0"	7' 10"	6' 7"	8' 4"	7' 3"	6' 1"

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. All structural framing members have a protective coating conforming to ASTM C 955.
3. Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
4. Stud/joists are manufactured to custom lengths. Stud/joists are manufactured with punched webs unless otherwise specified at time of order.
5. Track is produced in standard lengths of 10 feet unless a custom track length is indicated. Track is manufactured with unpunched webs.
6. Structural framing members are marked with product information per the requirements of ASTM C 955 section 12.
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.

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.