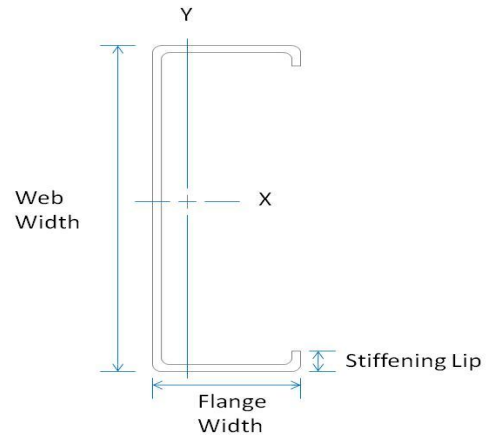


Member Designator **600S162-54**

Coating **CP60**

Physical Properties

Design Thickness **0.0566 in**
 Mil **54 mil**
 Gauge **16 Gauge**
 Web Width **6.00 in**
 Flange Width **1.625 in**
 Stiffening Lip **0.50 in**
 Yield Strength **50 ksi**



Gross Properties

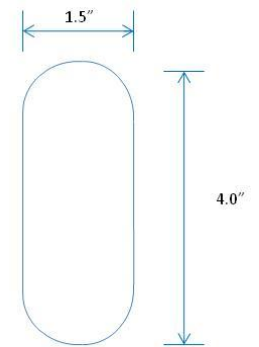
Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)
0.556	1.89	2.860	0.953	2.267	0.180	0.570

Effective Properties

I _{xx} (in ⁴)	S _{xx} (in ³)	M _a (in-k)	V _{ag} (lb)
2.860	0.916	30.33	2823

Torsional Properties

J ^{x1000} (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β
0.594	1.337	-1.049	0.663	2.562	0.832



Structural Punch

Limiting Wall Heights – Curtain Wall

Section	Spacing (in) o.c.	5 psf			15 psf			20 psf			25 psf		
		L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
600S162-54	12	42' 2"	33' 5"	29' 2"	23' 2"	20' 3"	17' 1"	21' 1"	18' 5"	15' 6"	19' 6"	17' 1"	14' 5"
600S162-54	16	38' 3"	30' 4"	26' 6"	21' 1"	18' 5"	15' 6"	19' 1"	16' 8"	14' 1"	17' 9"	15' 6"	13' 1"
600S162-54	24	33' 5"	26' 6"	23' 2"	18' 5"	16' 1"	13' 6"	16' 8"	14' 7"	12' 3"	15' 6"	13' 6"	11' 5"

Section	Spacing (in) o.c.	30 psf			35 psf			40 psf			50 psf		
		L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
600S162-54	12	18' 5"	16' 1"	13' 6"	17' 5"	15' 3"	12' 10"	16' 8"	14' 7"	12' 3"	15' 6"	13' 6"	11' 5"
600S162-54	16	16' 8"	14' 7"	12' 3"	15' 10"	13' 10"	11' 8"	15' 2"	13' 3"	11' 2"	14' 1"	12' 6"	10' 4"
600S162-54	24	14' 7"	12' 9"	10' 9"	13' 10"	12' 1"	10' 2"	13' 3"	11' 7"	9' 9"	12' 3"	10' 9"	9' 1"

General Notes

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