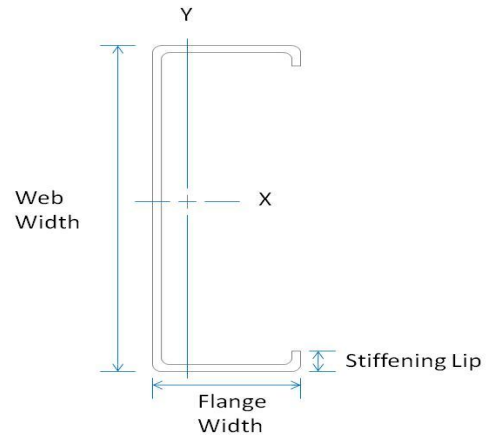


## Member Designator **800S162-54**

Coating **CP60**

## Physical Properties

Design Thickness **0.0566 in**  
 Mil **54 mil**  
 Gauge **16 Gauge**  
 Web Width **8.00 in**  
 Flange Width **1.625 in**  
 Stiffening Lip **0.50 in**  
 Yield Strength **50 ksi**



## Gross Properties

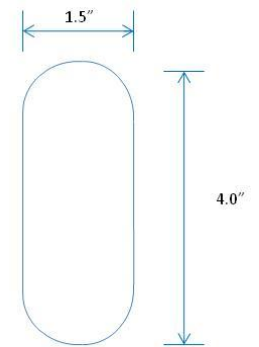
Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	S <sub>x</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>y</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)
0.670	2.28	5.736	1.434	2.927	0.194	0.539

## Effective Properties

I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	M <sub>a</sub> (in-k)	V <sub>ag</sub> (lb)
5.600	1.229	36.79	2091

## Torsional Properties

J <sup>x1000</sup> (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	β
0.715	2.539	-0.914	0.594	3.113	0.914



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
800S162-54	12	53' 2"	44' 2"	36' 10"	29' 3"	25' 6"	21' 6"	26' 7"	23' 2"	19' 7"	24' 8"	21' 6"	18' 2"
800S162-54	16	48' 3"	40' 4"	33' 6"	26' 7"	23' 2"	19' 7"	24' 1"	21' 1"	17' 9"	22' 5"	19' 7"	16' 6"
800S162-54	24	42' 2"	35' 6"	29' 3"	23' 2"	20' 3"	17' 1"	21' 1"	18' 5"	15' 6"	19' 7"	17' 1"	14' 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
800S162-54	12	23' 2"	20' 3"	17' 1"	22' 0"	19' 3"	16' 3"	21' 1"	18' 5"	15' 6"	19' 7"	17' 1"	14' 5"
800S162-54	16	21' 1"	18' 5"	15' 6"	20' 0"	17' 6"	14' 9"	19' 2"	16' 9"	14' 1"	17' 9"	15' 6"	13' 1"
800S162-54	24	18' 5"	16' 1"	13' 7"	17' 6"	15' 3"	12' 10"	16' 9"	14' 7"	12' 4"	15' 6"	13' 7"	11' 5"

## 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.