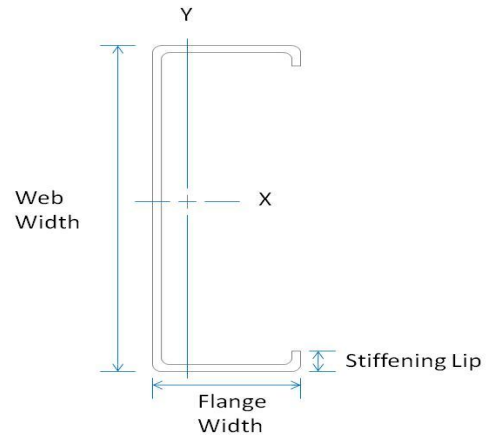


Member Designator **800S162-97**

Coating **CP60**

Physical Properties

Design Thickness **0.1017 in**
 Mil **97 mil**
 Gauge **12 Gauge**
 Web Width **8.00 in**
 Flange Width **1.625 in**
 Stiffening Lip **0.50 in**
 Yield Strength **50 ksi**



Gross Properties

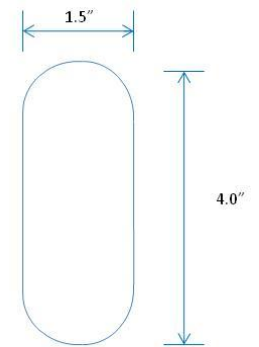
Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)
1.169	3.98	9.713	2.428	2.883	0.305	0.510

Effective Properties

I _{xx} (in ⁴)	S _{xx} (in ³)	M _a (in-k)	V _{ag} (lb)
9.713	2.428	72.70	10885

Torsional Properties

J ^{x1000} (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β
4.030	4.114	-0.866	0.568	3.053	0.919



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
800S162-97	12	63' 4"	50' 3"	43' 11"	34' 10"	30' 5"	25' 8"	31' 8"	27' 8"	23' 4"	29' 5"	25' 8"	21' 8"
800S162-97	16	57' 7"	45' 8"	39' 11"	31' 8"	27' 8"	23' 4"	28' 9"	25' 1"	21' 2"	26' 8"	23' 4"	19' 8"
800S162-97	24	50' 3"	39' 11"	34' 10"	27' 8"	24' 2"	20' 4"	25' 1"	21' 11"	18' 6"	23' 4"	20' 4"	17' 2"

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
800S162-97	12	27' 8"	24' 2"	20' 4"	26' 3"	22' 11"	19' 4"	25' 1"	21' 11"	18' 6"	23' 4"	20' 4"	17' 2"
800S162-97	16	25' 1"	21' 11"	18' 6"	23' 10"	20' 10"	17' 7"	22' 10"	19' 11"	16' 10"	21' 2"	18' 6"	15' 7"
800S162-97	24	21' 11"	19' 2"	16' 2"	20' 10"	18' 2"	15' 4"	19' 11"	17' 5"	14' 8"	18' 6"	16' 2"	13' 7"

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.