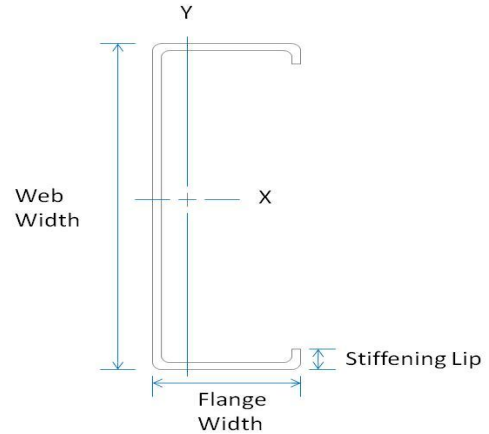


Member Designator **800S200-97**

Coating **CP60**

Physical Properties

Design Thickness **0.1017 in**
 Mil **97 mil**
 Gauge **12 Gauge**
 Web Width **8.00 in**
 Flange Width **2.00 in**
 Stiffening Lip **0.625 in**
 Yield Strength **50 ksi**



Gross Properties

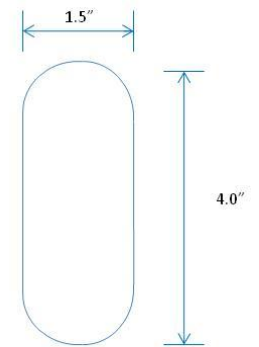
Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)
1.271	4.32	11.203	2.801	2.969	0.576	0.673

Effective Properties

I _{xx} (in ⁴)	S _{xx} (in ³)	M _a (in-k)	V _{ag} (lb)
11.203	2.801	96.63	10885

Torsional Properties

J ^{x1000} (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β
4.381	7.684	-1.214	0.777	3.278	0.863



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
800S200-97	12	66' 5"	52' 9"	46' 1"	36' 7"	31' 11"	26' 11"	33' 2"	29' 0"	24' 5"	30' 10"	26' 11"	22' 8"
800S200-97	16	60' 4"	47' 11"	41' 10"	33' 2"	29' 0"	24' 5"	30' 2"	26' 4"	22' 3"	28' 0"	24' 5"	20' 7"
800S200-97	24	52' 9"	41' 10"	36' 7"	29' 0"	25' 4"	21' 4"	26' 4"	23' 0"	19' 5"	24' 5"	21' 4"	18' 0"

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
800S200-97	12	29' 0"	25' 4"	21' 4"	27' 6"	24' 1"	20' 3"	26' 4"	23' 0"	19' 5"	24' 5"	21' 4"	18' 0"
800S200-97	16	26' 4"	23' 0"	19' 5"	25' 0"	21' 10"	18' 5"	23' 11"	20' 11"	17' 7"	22' 3"	19' 5"	16' 4"
800S200-97	24	23' 0"	20' 1"	16' 11"	21' 10"	19' 1"	16' 1"	20' 11"	18' 3"	15' 5"	19' 5"	16' 11"	14' 3"

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.