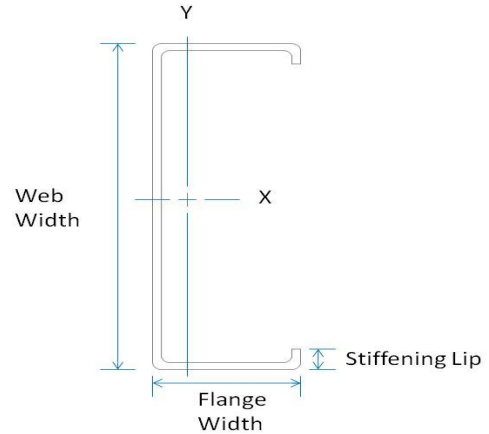


## Member Designator **800S137-68**

Coating **CP60**

## Physical Properties

Design Thickness **0.0713 in**  
 Mil **68 mil**  
 Gauge **14 Gauge**  
 Web Width **8.00 in**  
 Flange Width **1.375 in**  
 Stiffening Lip **0.375 in**  
 Yield Strength **50 ksi**



## Gross Properties

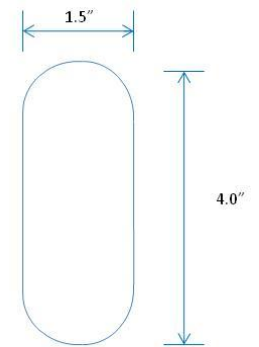
Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	S <sub>x</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>y</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)
0.782	2.66	6.303	1.576	2.839	0.134	0.414

## 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)
6.285	1.468	43.96	4221

## 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
1.325	1.789	-0.661	0.440	2.944	0.950



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
800S137-68	12	54' 10"	43' 6"	38' 0"	30' 2"	26' 4"	22' 3"	27' 5"	23' 11"	20' 2"	25' 5"	22' 3"	18' 9"
800S137-68	16	49' 10"	39' 6"	34' 6"	27' 5"	23' 11"	20' 2"	24' 11"	21' 9"	18' 4"	23' 1"	20' 2"	17' 0"
800S137-68	24	43' 6"	34' 6"	30' 2"	23' 11"	20' 11"	17' 7"	21' 9"	19' 0"	16' 0"	20' 2"	17' 7"	14' 10"

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
800S137-68	12	23' 11"	20' 11"	17' 7"	22' 9"	19' 10"	16' 9"	21' 9"	19' 0"	16' 0"	20' 2"	17' 7"	14' 10"
800S137-68	16	21' 9"	19' 0"	16' 0"	20' 8"	18' 0"	15' 2"	19' 9"	17' 3"	14' 6"	18' 4"	16' 0"	13' 6"
800S137-68	24	19' 0"	16' 7"	14' 0"	18' 0"	15' 9"	13' 3"	17' 3"	15' 1"	12' 8"	16' 0"	14' 0"	11' 9"

## 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.