

## 800S162-27

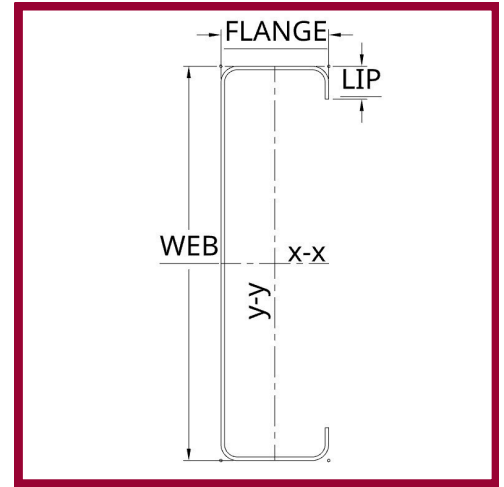
Product category	1.62 in Flange Nonstructural
Product description	Stud, Depth (Web) 8", Width (Flange) 1.62", Thickness 27 mils - Nonstructural 20 ga
Coating weight	G40 (Heavier coating on request)
Color coding	
Min Yield Strength	33 ksi (higher ksi on request)

### Geometric Properties

Thickness	27 mils
Web Width	8 in
Flange Height	1.62 in
Return Lip Length	0.5 in

Used in framing applications:

- Composite Drywall Interior Partitions
- Non-load bearing Walls
- Concrete Wall Fur Out
- Drop Ceilings



### LEED - v4 & v4.1 Contributing Credits

FSFTM uses steel with a high mass of recycled content. Contact us for HPD and EPD.

Credit MR 2.1/2.2 – Construction Waste Management

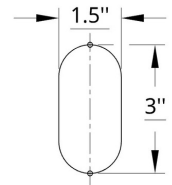
Credit MR 4.1/4.2 - Recycled Content Credit Intent

Credit MR 5.1/5.2 – Regional Materials

### ASTM and AISI Code Standards

#### Material Specifications

	Min Yield	Min Tensile	Minimum Metallic Coating Designation
ASTM A653, SS Grade 33	33 ksi	45 ksi	G60
ASTM A1003, Grade 33 Type H (ST33H)	33 ksi	45 ksi	G601, A601, AZ502, GF303
ASTM A653, SS Grade 50 Class 1	50 ksi	65 ksi	G60
ASTM A1003, Grade 50 Type H (ST50H)	50 ksi	65 ksi	G601, A601, AZ502, GF303
ASTM A653 HSLA Grade 50	50 ksi	65 ksi	G60



### Florida Steel Frame & Trusses Manufacturing comply with:

[ICC ESR-3064P – SSMA – 2023](#)

[SSMA Technical Guide](#)

IBC 2021 International Building Code

FBC 2023 Florida Building Code

IRC 2021 International Residential Code

Please contact our team for additional information on the following:

Service punchout, dimples, submittal information, MTRs and testing reports, limiting wall heights

### Service Holes (Punches)

12" OC from leading edge

24" OC from first punch

No more than 24" OC from trailing edge

### Gross Properties

Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>xx</sub> (in <sup>4</sup> )	R <sub>x</sub> (in)	I <sub>yy</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)
0.289	0.99	2.531	2.949	0.09	0.554

### Effective Properties

I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	Ma-L (in-k)	Ma-D (in-k)	V <sub>ag</sub> (lb)
2.268	0.401	7.92	6.89	-

### Torsional Properties

J <sub>x1000</sub> (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	Lu (in)
-	1.184	-0.946	0.613	0.6613	0.91	40.4