



[Sales@contractorsteelsystems.com](mailto:Sales@contractorsteelsystems.com)

## Product Submittal Data

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### Job Information

**Company Name:** PKM Enterprises

**Phone Number:** 607-206-3505

**Email:** peterkmorrison@gmail.com

**Fax Number:**

**GC:**

**Phone Number:**

**Contractor:**

**Phone Number:**

**Architect:**

**Phone Number:**

**Date:**

**03/20/2019**

### Additional Information:

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### Contractor Steel Systems

1470 Dale Ct  
Austel, GA 30168  
Phone: 919.880.5875

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## Contractor Steel Systems – Product Submittal Data

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### Product Name: 8" 16 GA Flat Strap – 800FS-54

#### Properties:

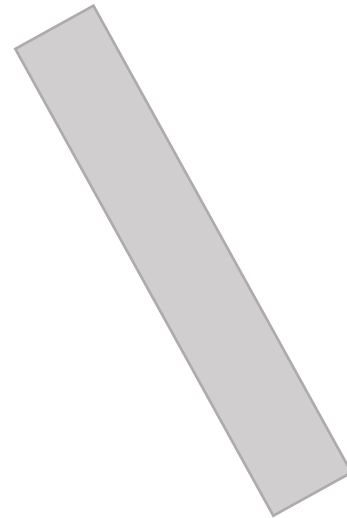
Web (in): 8"  
Design Thickness: 0.0566  
Min. Thickness: 0.0538  
Gauge: 16  
Finish: G60  
Yield Strength Fy (KSI): 50

#### Section Properties:

##### Gross Section Properties:

Weight of Member: (lb/ft) 1.538

Flat Strap



#### Codes & Standards

- Meets or tested to: ASTM C 955
- Galvanized steel sheet meets ASTM A 1003 & A653

#### Green Info

- LEED v3 & LEED v4 credits available
- Contact Technical Services for more information

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## Contractor Steel Systems – Product Submittal Data

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### Product Name: 8" 20 GA Flat Strap – 800FS-33

#### Properties:

Web (in): 8"

Design Thickness: 0.0346

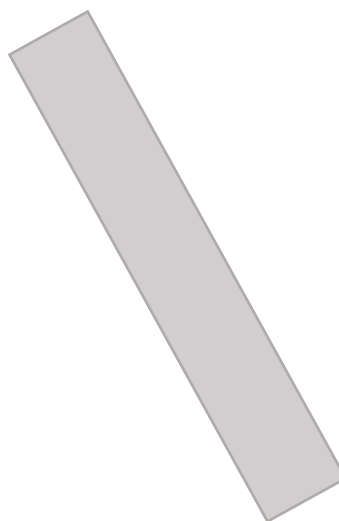
Min. Thickness: 0.0329

Gauge: 20

Finish: G40

Yield Strength Fy (KSI): 33

Flat Strap



#### Section Properties:

##### Gross Section Properties:

Weight of Member: (lb/ft)

0.940

#### Codes & Standards

- Meets or tested to: ASTM C 955
- Galvanized steel sheet meets ASTM A 1003 & A653

#### Green Info

- LEED v3 & LEED v4 credits available
- Contact Technical Services for more information

## Contractor Steel Systems – Product Submittal Data

### Product Name: 400T250-68

#### Properties:

A. Web (in): 4"	Yield Strength $F_y$ (KSI): 50
B. Flange (in): 2 1/2"	Design Thickness: 0.0713
Mils: 68	Min. Thickness: 0.0677
Finish: G60	Gauge: 14

#### Section Properties:

##### Gross Section Properties:

Weight of Member: (lb/ft)	2.180
Cross Sectional Area: <b>A</b> (in <sup>2</sup> )	0.641
Moment of Inertia: <b>I<sub>x</sub></b> (in <sup>4</sup> )	1.928
Section Modulus about the X-axis: <b>S<sub>x</sub></b> (in <sup>3</sup> )	0.907
Radius of Gyration: <b>R<sub>x</sub></b> (in)	1.735
Gross Moment of Inertia: <b>I<sub>y</sub></b> (in <sup>4</sup> )	0.418
Gross Radius of Gyration: <b>R<sub>y</sub></b> (in)	0.808

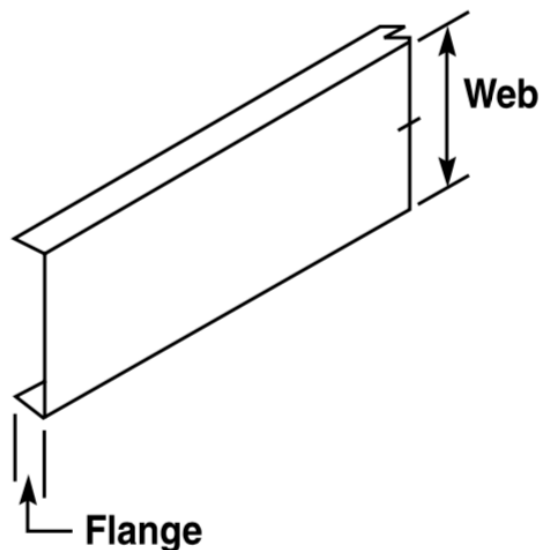
##### Effective Section Properties:

Moment of Inertia-Deflection: <b>I<sub>x</sub></b> (in <sup>4</sup> )	1.559
Section Modulus: <b>S<sub>x</sub></b> (in <sup>3</sup> )	0.574
Allowable Moment: <b>M<sub>a</sub></b> (in-k)	17.19

##### Torsional Properties:

Shear Center to Centroid on Principal X-axis: <b>X<sub>o</sub></b> (in)	-1.637
St. Venant Torsional Constant: <b>Jx10<sup>3</sup></b> (in <sup>4</sup> )	1.086
Torsional Warping Constant: <b>C<sub>w</sub></b> (in <sup>6</sup> )	1.289
Radius of Gyration on the Centroid Principal axis: <b>R<sub>o</sub></b> (in)	2.518
Torsional Flexural Constant: <b>β=1-(x<sub>o</sub>/R<sub>o</sub>)<sup>2</sup></b>	0.578

### Metal Track



### Codes & Standards

- Meets or tested to: ASTM C 955
- Galvanized steel sheet meets ASTM A 1003 & A653

### Green Info

- LEED v3 & LEED v4 credits available
- Contact Technical Services for more information

## Contractor Steel Systems – Product Submittal Data

### Product Name: 600T200-68

#### Properties:

A. Web (in): 6"	Yield Strength $F_y$ (KSI): 50
B. Flange (in): 2"	Design Thickness: 0.0713
Mils: 68	Min. Thickness: 0.0677
Finish: G60	Gauge: 14

#### Section Properties:

##### Gross Section Properties:

Weight of Member: (lb/ft)	2.420
Cross Sectional Area: <b>A</b> (in <sup>2</sup> )	0.712
Moment of Inertia: <b>I<sub>x</sub></b> (in <sup>4</sup> )	3.990
Section Modulus about the X-axis: <b>S<sub>x</sub></b> (in <sup>3</sup> )	1.277
Radius of Gyration: <b>R<sub>x</sub></b> (in)	2.367
Gross Moment of Inertia: <b>I<sub>y</sub></b> (in <sup>4</sup> )	0.254
Gross Radius of Gyration: <b>R<sub>y</sub></b> (in)	0.597

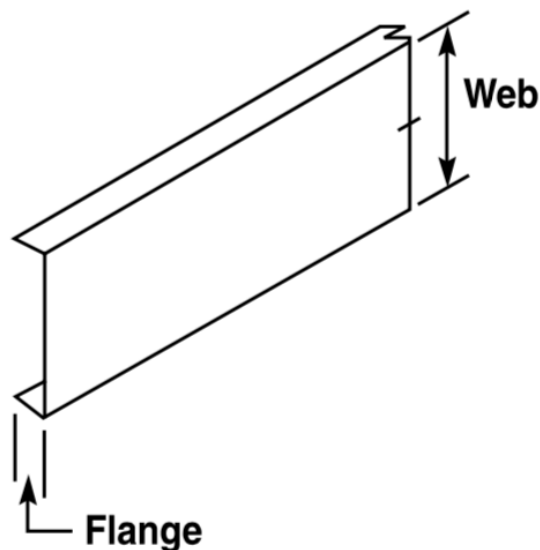
##### Effective Section Properties:

Moment of Inertia-Deflection: <b>I<sub>x</sub></b> (in <sup>4</sup> )	3.696
Section Modulus: <b>S<sub>x</sub></b> (in <sup>3</sup> )	1.034
Allowable Moment: <b>M<sub>a</sub></b> (in-k)	20.42

##### Torsional Properties:

Shear Center to Centroid on Principal X-axis: <b>X<sub>o</sub></b> (in)	-1.031
St. Venant Torsional Constant: <b>Jx10<sup>3</sup></b> (in <sup>4</sup> )	1.206
Torsional Warping Constant: <b>C<sub>w</sub></b> (in <sup>6</sup> )	1.746
Radius of Gyration on the Centroid Principal axis: <b>R<sub>o</sub></b> (in)	2.650
Torsional Flexural Constant: <b><math>\beta=1-(x_o/R_o)^2</math></b>	0.849

### Metal Track



### Codes & Standards

- Meets or tested to: ASTM C 955
- Galvanized steel sheet meets ASTM A 1003 & A653

### Green Info

- LEED v3 & LEED v4 credits available
- Contact Technical Services for more information

## Contractor Steel Systems – Product Submittal Data

### Product Name: 250T200-43

#### Properties:

A. Web (in): 2 1/2"	Yield Strength Fy (KSI): 33
B. Flange (in): 2"	Design Thickness: 0.0451
Mils: 43	Min. Thickness: 0.0428
Finish: G60	Gauge: 18

#### Section Properties:

##### Gross Section Properties:

Weight of Member: (lb/ft)	1.000
Cross Sectional Area: <b>A</b> (in <sup>2</sup> )	0.293
Moment of Inertia: <b>I<sub>x</sub></b> (in <sup>4</sup> )	0.366
Section Modulus about the X-axis: <b>S<sub>x</sub></b> (in <sup>3</sup> )	0.275
Radius of Gyration: <b>R<sub>x</sub></b> (in)	1.118
Gross Moment of Inertia: <b>I<sub>y</sub></b> (in <sup>4</sup> )	0.126
Gross Radius of Gyration: <b>R<sub>y</sub></b> (in)	0.657

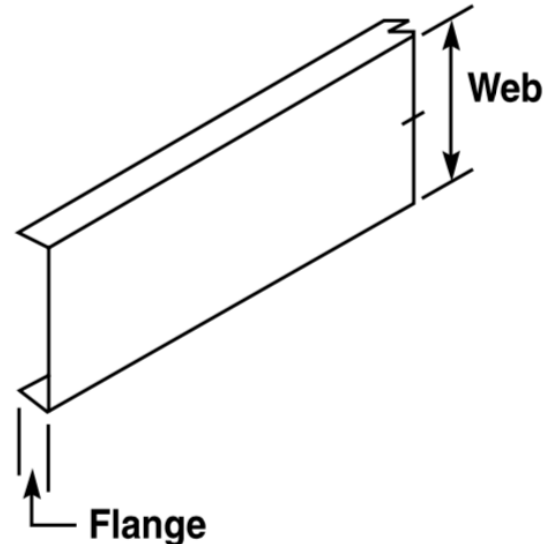
##### Effective Section Properties:

Moment of Inertia-Deflection: <b>I<sub>x</sub></b> (in <sup>4</sup> )	0.288
Section Modulus: <b>S<sub>x</sub></b> (in <sup>3</sup> )	0.163
Allowable Moment: <b>M<sub>a</sub></b> (in-k)	3.210

##### Torsional Properties:

Shear Center to Centroid on Principal X-axis: <b>X<sub>o</sub></b> (in)	-1.413
St. Venant Torsional Constant: <b>Jx10<sup>3</sup></b> (in <sup>4</sup> )	0.198
Torsional Warping Constant: <b>C<sub>w</sub></b> (in <sup>6</sup> )	0.153
Radius of Gyration on the Centroid Principal axis: <b>R<sub>o</sub></b> (in)	1.918
Torsional Flexural Constant: <b>β=1-(x<sub>o</sub>/R<sub>o</sub>)<sup>2</sup></b>	0.457

### Metal Track



### Codes & Standards

- Meets or tested to: ASTM C 955
- Galvanized steel sheet meets ASTM A 1003 & A653

### Green Info

- LEED v3 & LEED v4 credits available
- Contact Technical Services for more information