



Sales@contractorsteelsystems.com

Product Submittal Data

Job Information

Company Name: PKM Design
Phone Number: 607-206-3505
Email: peterkmorrison@gmail.com
Fax Number:

GC:
Phone Number:

Contractor:
Phone Number:

Architect:
Phone Number:

Date:

03/18/2019

Additional Information:

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Contractor Steel Systems

1470 Dale Ct
Austel, GA 30168
Phone: 919.880.5875

Contractor Steel Systems – Product Submittal Data

Product Name: 2" x 2" 20 GA Angle – 200A20 – DW

Angle

Properties:

Leg A (in): 2 "

Leg B (in): 2 "

Design Thickness: 0.0312

Min. Thickness: 0.0296

Gauge: 20

Finish: G40

Yield Strength Fy (KSI): 33



Section Properties:

Gross Section Properties:

Weight of Member: (lb/ft)

0.412

Codes & Standards

- Meets or tested to: ASTM C 654
- 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: 1 ½" x 1 ½" 25 GA DW Angle – 112A25

Angle

Properties:

Leg A (in): 1 ½ "

Leg B (in): 1 ½ "

Design Thickness: 0.0188

Min. Thickness: 0.0179

Gauge: 25

Finish: G40

Yield Strength Fy (KSI): 33



Section Properties:

Gross Section Properties:

Weight of Member: (lb/ft)

0.170

Codes & Standards

- Meets or tested to: ASTM C 654
- 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: 400S162-33

Properties:

A. Web (in): 4" Yield Strength F_y (KSI): 33
 B. Flange (in): 1 5/8" Design Thickness: 0.0346
 C. Lip (in): 1/4" Min. Thickness: 0.0329
 Mils: 33 Gauge: 20
 Finish: G40

Section Properties:

Gross Section Properties:

Weight of Member: (lb/ft) 0.940
 Cross Sectional Area: **A** (in²) 0.275
 Moment of Inertia: **I_x** (in⁴) 0.692
 Radius of Gyration: **R_x** (in) 1.586
 Gross Moment of Inertia: **I_y** (in⁴) 0.103
 Gross Radius of Gyration: **R_y** (in) 0.611

Effective Section Properties:

Moment of Inertia-Deflection: **I_x** (in⁴) 0.692
 Section Modulus: **S_x** (in³) 0.299

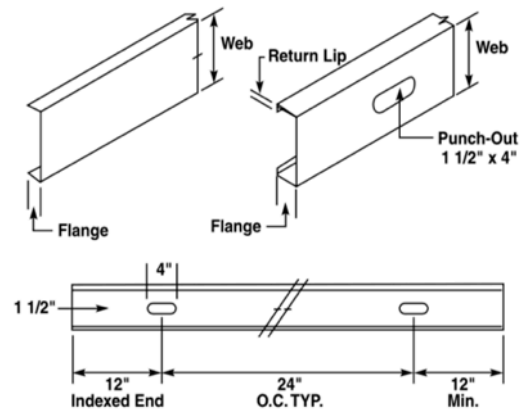
Moments:

Allowable Bending Moment: **Ma** (in-k) 5.91

Punch-Out Dimensions



Framing Components



Limiting Heights – Composite (ft-in)

Spacing (in)	5 psf			10 psf			15 psf		
	L/120	L/240	L360	L/120	L240	L/360	L/120	L/240	L/360
12	28' 1"	23' 6"	20' 6"	19' 10"	18' 8"	16' 3"	16' 2"	16' 2"	14' 3"
16	24' 4"	21' 4"	18' 8"	17' 2"	16' 11"	14' 10"	14' 0"	14' 0"	12' 11"
24	19' 10"	18' 8"	16' 3"	14' 0"	14' 0"	12' 11"	11' 5" e	11' 5" e	11' 4" e

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: 400T125-33

Properties:

A. Web (in): 4"	Yield Strength F_y (KSI): 33
B. Flange (in): 1 1/4"	Design Thickness: 0.0346
Mils: 33	Min. Thickness: 0.0329
Finish: G40	Gauge: 20

Section Properties:

Gross Section Properties:

Weight of Member: (lb/ft)	0.820
Cross Sectional Area: A (in ²)	0.242
Moment of Inertia: I_x (in ⁴)	0.622
Section Modulus about the X-axis: S_x (in ³)	0.300
Radius of Gyration: R_x (in)	1.603
Gross Moment of Inertia: I_y (in ⁴)	0.051
Gross Radius of Gyration: R_y (in)	0.460

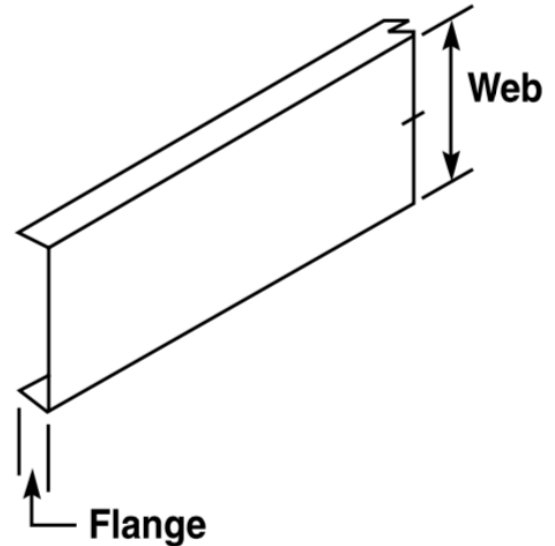
Effective Section Properties:

Moment of Inertia-Deflection: I_x (in ⁴)	0.519
Section Modulus: S_x (in ³)	0.208
Allowable Moment: M_a (in-k)	4.120

Torsional Properties:

Shear Center to Centroid on Principal X-axis: X_o (in)	-0.821
St. Venant Torsional Constant: Jx10³ (in ⁴)	0.097
Torsional Warping Constant: C_w (in ⁶)	0.155
Radius of Gyration on the Centroid Principal axis: R_o (in)	1.859
Torsional Flexural Constant: $\beta=1-(x_o/R_o)^2$	0.805

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: 600T200-33

Properties:

A. Web (in): 6"	Yield Strength F_y (KSI): 33
B. Flange (in): 2"	Design Thickness: 0.0346
Mils: 33	Min. Thickness: 0.0329
Finish: G40	Gauge: 20

Section Properties:

Gross Section Properties:

Weight of Member: (lb/ft)	1.180
Cross Sectional Area: A (in ²)	.3460
Moment of Inertia: I_x (in ⁴)	1.913
Section Modulus about the X-axis: S_x (in ³)	0.622
Radius of Gyration: R_x (in)	2.352
Gross Moment of Inertia: I_y (in ⁴)	0.126
Gross Radius of Gyration: R_y (in)	0.604

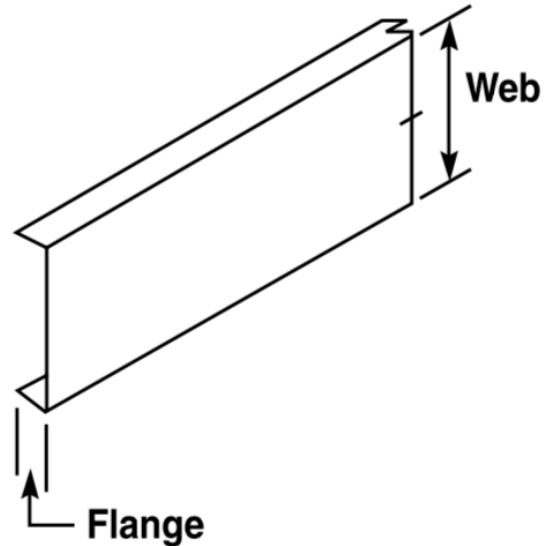
Effective Section Properties:

Moment of Inertia-Deflection: I_x (in ⁴)	1.542
Section Modulus: S_x (in ³)	0.333
Allowable Moment: M_a (in-k)	6.590

Torsional Properties:

Shear Center to Centroid on Principal X-axis: X_o (in)	-1.048
St. Venant Torsional Constant: Jx10³ (in ⁴)	0.138
Torsional Warping Constant: C_w (in ⁶)	0.847
Radius of Gyration on the Centroid Principal axis: R_o (in)	2.645
Torsional Flexural Constant: $\beta=1-(x_o/R_o)^2$	0.843

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