



Sales@contractorsteelsystems.com

Product Submittal Data

Job Information

Company Name: PKM Testing Services

Phone Number: 607-206-3505

Email: shasta.pete@gmail.com

Fax Number: 343-234-2342

GC:

Phone Number:

Contractor:

Phone Number:

Architect:

Phone Number:

Date:

02/28/2019

Additional Information:

Contractor Steel Systems

1470 Dale Ct
Austel, GA 30168
Phone: 919.880.5875

Contractor Steel Systems – Product Submittal Data

Product Name: 2" x 2" 18 GA Angle – 200A18

Angle

Properties:

Leg A (in): 2 "

Leg B (in): 2 "

Design Thickness: 0.0451

Min. Thickness: 0.0428

Gauge: 18

Finish: G60

Yield Strength Fy (KSI): 33



Section Properties:

Gross Section Properties:

Weight of Member: (lb/ft)

0.60027

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: 1 ½” 16 GA CR Channel – 112CRC

Properties:

Web (in): 1 1/2”

Design Thickness: 0.0566

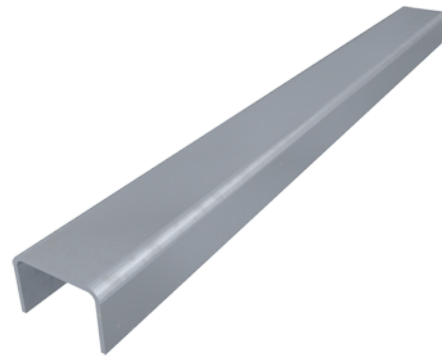
Min. Thickness: 0.0538

Gauge: 16

Finish: G60

Yield Strength Fy (KSI): 50

CR Channel



Section Properties:

Gross Section Properties:

Weight of Member: (lb/ft)

0.435

Codes & Standards

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

Green Info

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- 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: A (in ²)	0.712
Moment of Inertia: I_x (in ⁴)	3.990
Section Modulus about the X-axis: S_x (in ³)	1.277
Radius of Gyration: R_x (in)	2.367
Gross Moment of Inertia: I_y (in ⁴)	0.254
Gross Radius of Gyration: R_y (in)	0.597

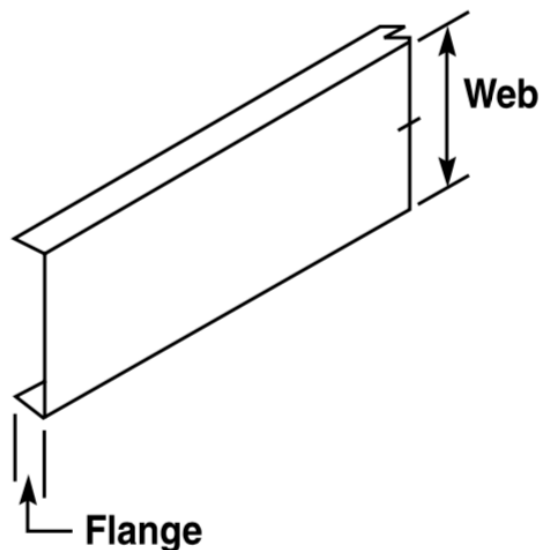
Effective Section Properties:

Moment of Inertia-Deflection: I_x (in ⁴)	3.696
Section Modulus: S_x (in ³)	1.034
Allowable Moment: M_a (in-k)	20.42

Torsional Properties:

Shear Center to Centroid on Principal X-axis: X_o (in)	-1.031
St. Venant Torsional Constant: Jx10³ (in ⁴)	1.206
Torsional Warping Constant: C_w (in ⁶)	1.746
Radius of Gyration on the Centroid Principal axis: R_o (in)	2.650
Torsional Flexural Constant: $\beta=1-(x_o/R_o)^2$	0.849

Metal Track



Codes & Standards

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

Green Info

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