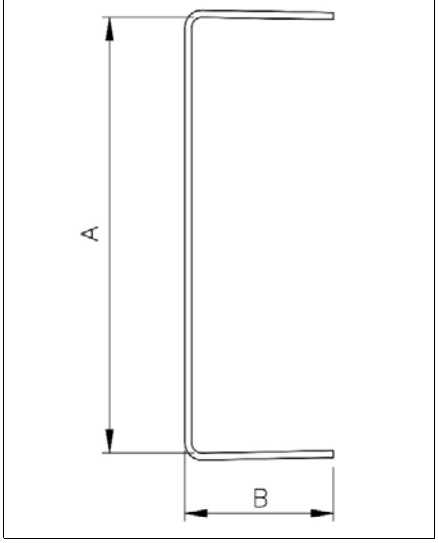
Marino\WARE® Product Submittal Data

PRODUCT NAME: **400T200-68**

MARINO\WARE PART # 400T214

05.40.00 Cold-Formed Metal Framing

STRUCTURAL TRACK



PROPERTIES:

A. Web (in)	4"	**Yield Strength Fy (KSI)**	50
B. Flange (in)	2"	**Tensile Strength Fu (KSI)**	65
Mils	68	**Design Thickness (in)**	0.0713
Available Finish	G60	**Minimum Thickness (in)**	0.0677
		Gauge	14

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: **A** (in^2)	0.569
Weight of Member: (lb/ft)	1.94
Moment of Inertia: **Ix** (in^4)	1.617
Section Modulus: **Sx** (in^3)	0.761
Radius of Gyration: **Rx** (in)	1.685
Gross Moment of Inertia: **Iy** (in^4)	0.227
Gross Radius of Gyration: **Ry** (in)	0.632

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: **Ix** (in^4)	1.412
Section Modulus: **Sx** (in^3)	0.549
Allowable Bending Moment: **Ma** (in-k)	16.420
Allowable strong axis shear away from punch: **Vag** (lb)	5205

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: **Jx1000** (in^4)	0.965
Torsional Warping Constant: **Cw** (in^6)	0.702
Shear Center to Centroid on Principal X-axis: **Xo** (in)	-1.209
Shear Center to Mid-Plane of the Web: **m** (in)	0.725
Radius of Gyration on the Centroid Principal axis: **Ro** (in)	2.168
Torsional Flexural Constant: **β** $[1-(xo/Ro)^2]$	0.689

CODES & STANDARDS

- AISI S100-12 & ICC ES ESR-4062
- Meets IBC 2012, 2015 & FBC 2014
- Framing meets ASTM A 1003, A 653, C 645 & C 955

GREEN INFO

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