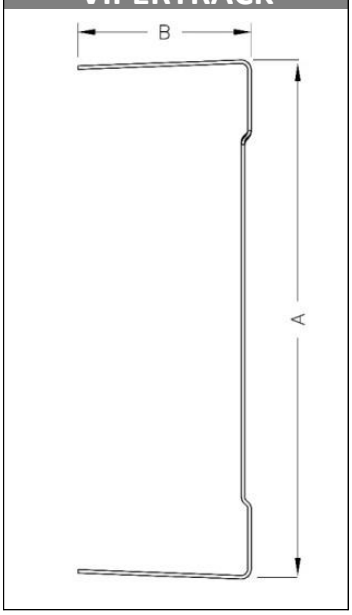
Marino\WARE® Product Submittal Data

PRODUCT NAME: **162VT250-30**

MARINO\WARE PART # 158VT2530

09.22.16 Non-Structural Metal Stud

VIPERTRACK



PROPERTIES:

A. Web (in)	1-5/8	**Yield Strength Fy (KSI)**	33
B. Leg (in)	2-1/2	**Design Thickness (in)**	0.0312
Mils	30	**Minimum Thickness (in)**	0.0296
Finish	G40	**Gauge**	20 DW

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: **(lb/ft)**	0.710
Cross Sectional Area: **A (in^2)**	0.207
Moment of Inertia: **Ix (in^4)**	0.131
Section Modulus about the X-axis: **Sx (in^3)**	0.147
Radius of Gyration: **Rx (in)**	0.794
Gross Moment of Inertia: **Iy (in^4)**	0.140
Section Modulus about the Y-axis: **Sy (in^3)**	0.090
Gross Radius of Gyration: **Ry (in)**	0.822

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: **Ixd (in^4)**	0.076
Section Modulus: **Sxe (in^3)**	0.057
Allowable Moment: **Ma (in-k)**	1.130

TORSIONAL PROPERTIES

Shear Center to Centroid on Principal X-axis: **Xo (in)**	-2.04
St. Venant Torsional Constant: **$Jx10^3$ (in^4)**	0.0672
Torsional Warping Constant: **Cw (in^6)**	0.080
Radius of Gyration on the Centroid Principal axis: **Ro (in)**	2.340
Torsional Flexural Constant: **$\beta = 1-(xo/Ro)^2$**	0.239

CODES & STANDARDS

- IBC 2009 & AISI S100-07 Compliant
- Compliant with: ASTM C 645, C 754, E 90, E 119
- Galvanized Steel Sheet meets ASTM A 1003, A 653
- Third Party Code Evaluation Reports: ICC-ES ESR#2620, ATI-ES CCRR-0154
- Multiple UL & Intertek Warnock Hersey Fire Rated Assemblies

GREEN INFO LEED® v3

Using products manufactured by Marino\WARE® can contribute LEED® points in the following categories:

- MR Credit 2 - Construction Waste Management (1-2 points)
- MR Credit 4 - Recycled Content (1-2 points)
- MR Credit 5 - Regional Materials (1-2 points)
- Total Recycled Content: 34.9%
- Post Consumer Content: 24.3%
- Pre Consumer (Post Industrial) Content: 9.4%

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