Marino\WARE® Product Submittal Data

PRODUCT NAME: **162VT125-30**

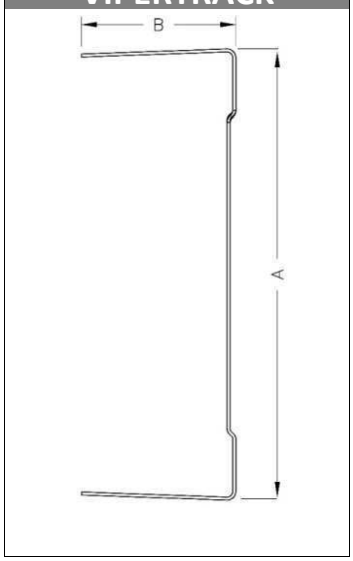
MARINO\WARE PART # 158VT30

PROPERTIES:

A. Web (in)	1-5/8	**Yield Strength Fy (KSI)**	33
B. Leg (in)	1-1/4	**Design Thickness (in)**	0.0312
Mils	30	**Minimum Thickness (in)**	0.0296
Finish	G40	**Gauge**	20 DW

09.22.16 Non-Structural Metal Stud

VIPERTRACK



SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: **(lb/ft)**	0.440
Cross Sectional Area: **A (in^2)**	0.129
Moment of Inertia: **Ix (in^4)**	0.071
Section Modulus about the X-axis: **Sx (in^3)**	0.080
Radius of Gyration: **Rx (in)**	0.741
Gross Moment of Inertia: **Iy (in^4)**	0.022
Section Modulus about the Y-axis: **Sy (in^3)**	0.0249
Gross Radius of Gyration: **Ry (in)**	0.409

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: **Ixd (in^4)**	0.056
Section Modulus: **Sxe (in^3)**	0.051
Allowable Moment: **Ma (in-k)**	1.00

TORSIONAL PROPERTIES

Shear Center to Centroid on Principal X-axis: **Xo (in)**	-0.868
St. Venant Torsional Constant: **Jx10^3 (in^4)**	0.0419
Torsional Warping Constant: **Cw (in^6)**	0.012
Radius of Gyration on the Centroid Principal axis: **Ro (in)**	1.210
Torsional Flexural Constant: **$\beta = 1-(xo/Ro)^2$**	0.488

CODES & STANDARDS

- IBC 2009 & AISI S100-07 Compliant
- Meets or tested to: ASTM C 645, C 754, E 90, E 119
- Galvanized steel sheet meets ASTM A 1003, A 653
- Code Compliant per SSMA Non Structural Code Compliance Program
- 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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