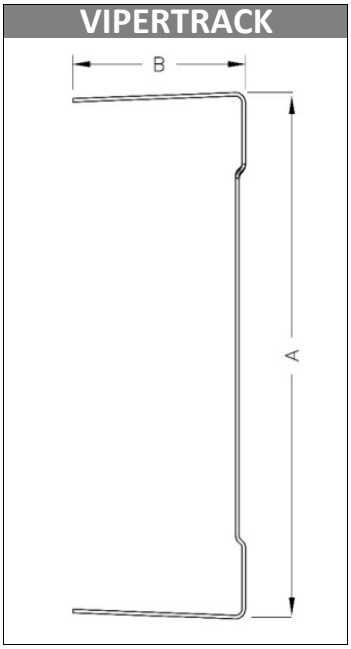
Marino\WARE® Product Submittal Data

PRODUCT NAME: **250VT300-33**

MARINO\WARE PART # 212VT333

09.22.16 Non-Structural Metal Stud



PROPERTIES:

A. Web (in)	2-1/2	**Yield Strength Fy (KSI)**	33
B. Leg (in)	3	**Design Thickness (in)**	0.0346
Mils	33	**Minimum Thickness (in)**	0.0329
Finish	CP60	**Gauge**	20 STR

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: **(lb/ft)**	1.000
Cross Sectional Area: **A (in^2)**	0.295
Moment of Inertia: **Ix (in^4)**	0.404
Section Modulus about the X-axis: **Sx (in^3)**	0.303
Radius of Gyration: **Rx (in)**	1.170
Gross Moment of Inertia: **Iy (in^4)**	0.290
Section Modulus about the Y-axis: **Sy (in^3)**	0.150
Gross Radius of Gyration: **Ry (in)**	0.993

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: **Ixd (in^4)**	0.234
Section Modulus: **Sxe (in^3)**	0.120
Allowable Moment: **Ma (in-k)**	2.380

TORSIONAL PROPERTIES

Shear Center to Centroid on Principal X-axis: **Xo (in)**	-2.350
St. Venant Torsional Constant: **Jx10^3 (in^4)**	0.1180
Torsional Warping Constant: **Cw (in^6)**	0.366
Radius of Gyration on the Centroid Principal axis: **Ro (in)**	2.800
Torsional Flexural Constant: **$\beta = 1-(xo/Ro)^2$**	0.300

CODES & STANDARDS

- Meets IBC 2015, 2018 & FBC 2017
- Meets or tested to: ASTM C 645, C 754, E 90, E 119 & AISI S220
- Steel sheet meets ASTM A 1003 & A 653
- Third Party Code Evaluation Report: CCRR-0154
- Multiple Fire Rated Assemblies

GREEN INFO

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