

Marino\WARE® Product Submittal Data

PRODUCT NAME: 250VT300-33

MARINO\WARE PART # 212VT333

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 | G60 | Gauge | 20 STR |

SECTION PROPERTIES

GROSS SECTION PROPERTIES

| | |
|--------------------------------------------------------------|-------|
| Weight of Member: (lb/ft) | 1.000 |
| Cross Sectional Area: A (in²) | 0.295 |
| Moment of Inertia: Ix (in⁴) | 0.404 |
| Section Modulus about the X-axis: Sx (in³) | 0.303 |
| Radius of Gyration: Rx (in) | 1.170 |
| Gross Moment of Inertia: Iy (in⁴) | 0.290 |
| Section Modulus about the Y-axis: Sy (in³) | 0.150 |
| Gross Radius of Gyration: Ry (in) | 0.993 |

EFFECTIVE SECTION PROPERTIES

| | |
|-----------------------------------------------------------|-------|
| Moment of Inertia-Deflection: Ixd (in⁴) | 0.234 |
| Section Modulus: Sxe (in³) | 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: Jx10³ (in⁴) | 0.1180 |
| Torsional Warping Constant: Cw (in⁶) | 0.366 |
| Radius of Gyration on the Centroid Principal axis: Ro (in) | 2.800 |
| Torsional Flexural Constant: β = 1-(xo/Ro)² | 0.300 |

CODES & STANDARDS

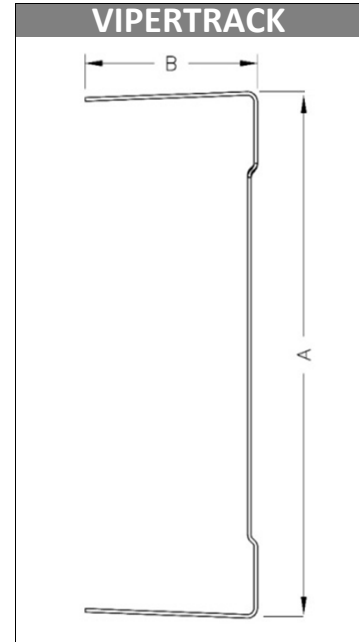
- Meets IBC 2009, 2012, 2015 & FBC 2017
- Meets or tested to: ASTM C 645, C 754, E 90, E 119 & AISI S220-11
- Galvanized steel sheet meets ASTM A 1003 & A 653
- Third Party Code Evaluation Report: ICC ES ESR#2620
- Multiple Fire Rated Assemblies

GREEN INFO

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



09.22.16 Non-Structural Metal Stud



For more information, please contact Marino\WARE Technical Services at 866-545-1545

This technical information reflects the most current information available and supersedes any and all publications, effective 1/30/2018.

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