

# Marino\WARE® Product Submittal Data

**PRODUCT NAME:** 250VS125-30

**MARINO\WARE PART #** 212VS30

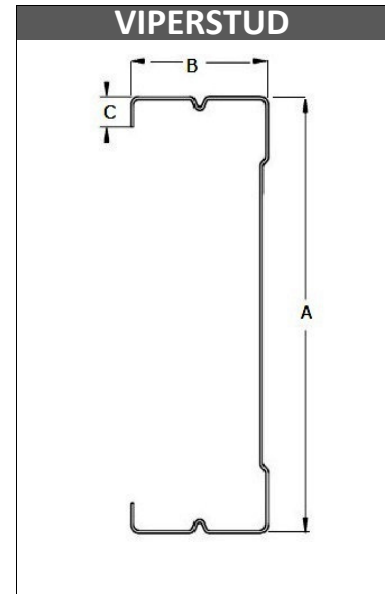


**PROPERTIES:**

<b>A. Web (in)</b>	2-1/2	<b>Yield Strength Fy (KSI)</b>	33
<b>B. Flange (in)</b>	1-1/4	<b>Design Thickness (in)</b>	0.0312
<b>C. Lip (in)</b>	1/4"	<b>Minimum Thickness (in)</b>	0.0296
<b>Mils</b>	30	<b>Gauge</b>	20 DW
<b>Finish*</b>	G40		

\*Or other ASTM A1003 Table 1 Coating

09.22.16 Non-Structural Metal Stud



**SECTION PROPERTIES**

**GROSS SECTION PROPERTIES**

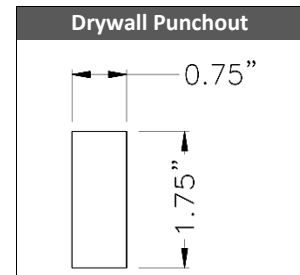
Weight of Member: (lb/ft)	0.550
Cross Sectional Area: <b>A</b> (in <sup>2</sup> )	0.161
Moment of Inertia: <b>I<sub>x</sub></b> (in <sup>4</sup> )	0.166
Radius of Gyration: <b>R<sub>x</sub></b> (in)	1.020
Gross Moment of Inertia: <b>I<sub>y</sub></b> (in <sup>4</sup> )	0.032
Gross Radius of Gyration: <b>R<sub>y</sub></b> (in)	0.448

**EFFECTIVE SECTION PROPERTIES**

Moment of Inertia-Deflection: <b>I<sub>x</sub></b> (in <sup>4</sup> )	0.163
Section Modulus: <b>S<sub>x</sub></b> (in <sup>3</sup> )	0.120

**MOMENTS**

Allowable Bending Moment: <b>Ma</b> (in-k)	2.310
Local Buckling Nominal Moment: <b>Mnl</b> (in-k)	3.960
Distortional Buckling Moment: <b>Mnd</b> (in-k)	3.860



**LIMITING HEIGHTS - COMPOSITE (ft-in)**

Spacing (in)	5 psf			7.5 psf			10 psf		
	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
12	18-9	14-10	13-0	16-4	13-0	11-4	14-10	11-10	10-4
16	17-0	13-6	11-10	14-10	11-10	10-4	13-6	10-9	9-3
24	14-10	11-10	10-4	12-9	10-4	8-10	11-0	9-3	-

Composite heights sheathed both sides full height with 5/8" Type X wallboard applied vertically.

Acceptable wallboards are 5/8" type X from: USG, National, GP, Temple, American, Continental & CertainTeec

**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



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 01/30/18.

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