

# Marino\WARE® Product Submittal Data

**PRODUCT NAME:** 162VS125-33

**MARINO\WARE PART #** 158VS33

## PROPERTIES:

<b>A. Web (in)</b>	1-5/8	<b>Yield Strength Fy (KSI)</b>	33
<b>B. Flange (in)</b>	1-1/4	<b>Design Thickness (in)</b>	0.0346
<b>C. Lip (in)</b>	1/4"	<b>Minimum Thickness (in)</b>	0.0329
<b>Mils</b>	33	<b>Gauge</b>	20 STR
<b>Finish</b>	CP60		

## SECTION PROPERTIES

### GROSS SECTION PROPERTIES

Weight of Member: (lb/ft)	0.500
Cross Sectional Area: <b>A</b> (in <sup>2</sup> )	0.147
Moment of Inertia: <b>I<sub>x</sub></b> (in <sup>4</sup> )	0.069
Radius of Gyration: <b>R<sub>x</sub></b> (in)	0.683
Gross Moment of Inertia: <b>I<sub>y</sub></b> (in <sup>4</sup> )	0.030
Gross Radius of Gyration: <b>R<sub>y</sub></b> (in)	0.453

### EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: <b>I<sub>x</sub></b> (in <sup>4</sup> )	0.068
Section Modulus: <b>S<sub>x</sub></b> (in <sup>3</sup> )	0.077

### MOMENTS

Allowable Bending Moment: <b>Ma</b> (in-k)	1.530
Local Buckling Nominal Moment: <b>Mnl</b> (in-k)	2.550
Distortional Buckling Nominal Moment: <b>Mnd</b> (in-k)	2.710

## 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	14-11	11-10	10-4	13-0	10-4	8-10	11-10	9-4	-
16	13-6	10-9	9-4	11-10	9-4	-	10-9	8-4	-
24	11-10	9-4	-	10-4	-	-	9-4	-	-

1. Gypsum must be vertically oriented, applied full height to both sides, and fastened to each stud and track flange
2. Acceptable wallboards are 5/8" type X from: USG, National, GP, Pabco, American, Continental & CertainTeed.
3. No screws are required between stud and track, except as required by ASTM C754.
4. See CCRR-0154 for additional information. Review fire related assemblies for any additional requirements

## CODES & STANDARDS

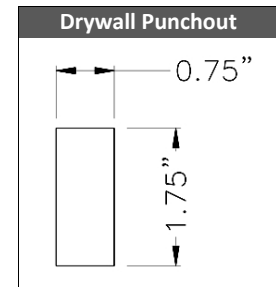
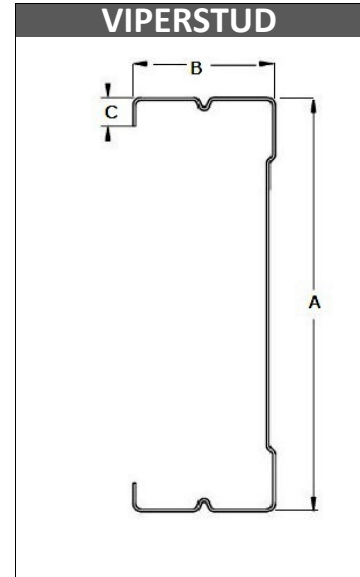
- Meets IBC 2015, 2018 & FBC 2020
- ASTM C 645, C 754, E 90, E 119, & AISI S220
- Steel sheet meets ASTM A 1003 or A 653
- Third Party Code Evaluation Report: CCRR-0154
- Multiple Fire Rated Assemblies

## GREEN INFO

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



09.22.16 Non-Structural Metal Stud



www.marinoware.com

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 4/2/22.

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