

Marino\WARE® Product Submittal Data

PRODUCT NAME: 162VS125-33

MARINO\WARE PART # 158VS33

PROPERTIES:

A. Web (in)	1-5/8	Yield Strength Fy (KSI)	33
B. Flange (in)	1-1/4	Design Thickness (in)	0.0346
C. Lip (in)	1/4"	Minimum Thickness (in)	0.0329
Mils	33	Gauge	20 STR
Finish	G60		

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: (lb/ft)	0.500
Cross Sectional Area: A (in ²)	0.147
Moment of Inertia: Ix (in ⁴)	0.069
Radius of Gyration: Rx (in)	0.683
Gross Moment of Inertia: Iy (in ⁴)	0.030
Gross Radius of Gyration: Ry (in)	0.453

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: Ix (in ⁴)	0.068
Section Modulus: Sx (in ³)	0.077

MOMENTS

Allowable Bending Moment: Ma (in-k)	1.530
Local Buckling Nominal Moment: Mnl (in-k)	2.550
Distortional Buckling Nominal Moment: Mnd (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	-	-

Composite heights sheathed both sides full height with 5/8" Type X gypsum wallboard applied vertically.
Acceptable wallboards are 5/8" Type X from USG, National, GP, Temple, American, Continental & CertainTeed.

CODES & STANDARDS

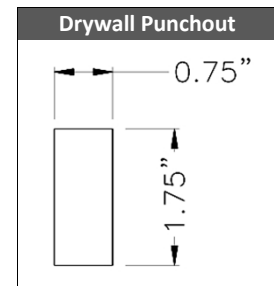
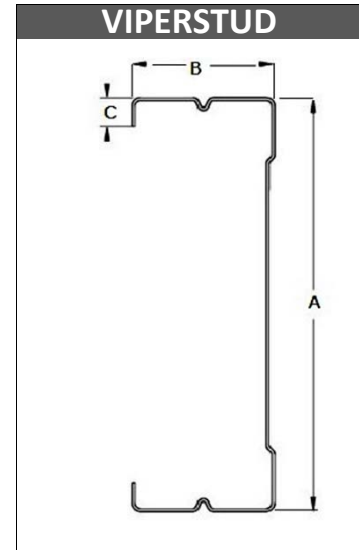
- Meets IBC 2009, 2012, 2015 & FBC 2017
- Meets or tested to: ASTM C 645, C 754, E 90, E 119 & AISI S220-11
- Galvanized steel sheet meets ASTM A 1003 & A 653
- Third Party Code Evaluation Report: ICC ES ESR#2620
- Multiple Fire Rated Assemblies

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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