

Marino\WARE® Product Submittal Data

PRODUCT NAME: 250VS125-15

MARINO\WARE PART # 212VS25

PROPERTIES:

A. Web (in)	2-1/2"	Yield Strength Fy (KSI)	50
B. Flange (in)	1-1/4"	Design Thickness (in)	0.0155
C. Lip (in)	1/4"	Minimum Thickness (in)	0.0147
Mils	15	Gauge EQ	25
Finish*	G40EQ		

* Or other ASTM A1003 Table 1 Coating

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: (lb/ft)	0.290
Cross Sectional Area: A (in²)	0.085
Moment of Inertia: Ix (in⁴)	0.084
Radius of Gyration: Rx (in)	0.998
Gross Moment of Inertia: Iy (in⁴)	0.017
Gross Radius of Gyration: Ry (in)	0.452

EFFECTIVE SECTION PROPERTIES¹

Moment of Inertia-Deflection: Ix (in⁴)	0.090
Section Modulus: Sx (in³)	0.042

MOMENTS¹

Allowable Bending Moment: Ma (in-k)	1.170
Local Buckling Nominal Moment: Mnl (in-k)	2.720
Distortional Buckling Nominal Moment: Mnd (in-k)	2.120

Note 1. Tested values

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	17-3	14-5	12-9	15-1	12-7	11-1	13-8	11-6	10-1
16	15-8	13-1	11-7	13-8	11-6	10-1	12-3	10-5	8-9
24	13-8	11-6	10-1	11-6	10-0	8-2	10-0	8-8	--

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

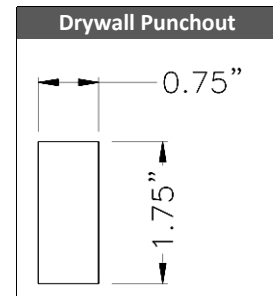
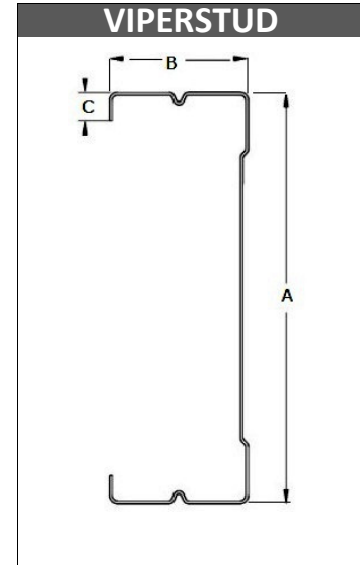
- Meets IBC 2015, 2018 & FBC 2020
- ASTM C 645, C 754, E 90, E 119 & AISI S220
- Steel sheet meets ASTM A 1003 or A 653
- Third Party Code Evaluation Report: CCRR-0154
- Multiple Fire Rated Assemblies

GREEN INFO

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



09.22.16 Non-Structural Metal Stud



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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