

Marino\WARE® Product Submittal Data

PRODUCT NAME: 362JR250-33

05.40.00 Cold-Formed Metal Framing

MARINO\WARE PART # 358RE20

PROPERTIES:

A. Web (in)	3.625"	Yield Strength Fy (KSI)	33
B. Flange (in)	2.5"	Tensile Strength Fu (KSI)	45
C. Lip (in)	0.75	Design Thickness (in)	0.0346"
Mils	33	Minimum Thickness (in)	0.0329
Available Finish	G60, G90	Gauge	20

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: (lb/ft)	1.070
Cross Sectional Area: A (in ²)	0.287
Moment of Inertia: Ix (in ⁴)	0.770
Section Modulus: Sx (in ³)	0.425
Radius of Gyration: Rx (in)	1.640
Gross Moment of Inertia: Iy (in ⁴)	0.248
Gross Radius of Gyration: Ry (in)	0.929

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: Ixe (in ⁴)	0.720
Section Modulus: Sxe (in ³)	0.337
Allowable Bending Moment: Ma (in-k)	6.700
Allowable Shear Force: Va (K)	1.020

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: Jx1000 (in ⁴)	0.115
Torsional Warping Constant: Cw (in ⁶)	1.110
Radius of Gyration on the Centroid Principal axis: Ro (in)	3.160

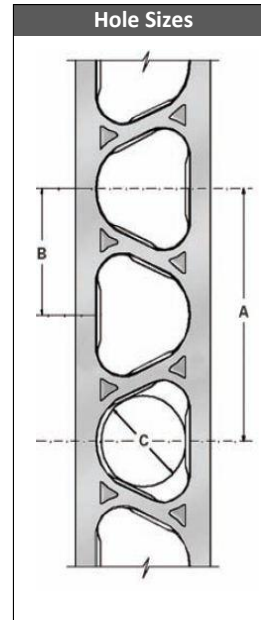
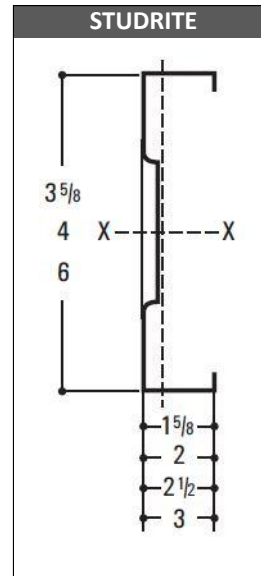
CODES & STANDARDS

- Framing meets ASTM A 1003, A 653, & C 955
- Galvanized steel sheet meets ASTM A 924

GREEN INFO LEED® v3

Available LEED® points in the following categories:

- MR Credit 2 - Construction Waste Management (1-2 points)
- MR Credit 4 - Recycled Content (1-2 points)
- MR Credit 5 - Regional Materials (1-2 points)
- Total Recycled Content: 34.9%
- Post Consumer Content: 24.3%
- Pre Consumer (Post Industrial) Content: 9.4%



Section	A (in)	B (in)	C
3-5/8"	7.0	3.5	1-3/4
4"	7.0	3.5	1-3/4
6"	8.1	4.0	2-7/8



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 12/1/2010
©Copyright 2010 by Ware Industries, Inc. All rights reserved

Marino\WARE® Product Submittal Data

Limiting Wall Heights (FT) 3-5/8

Section Identification	Spacing (in.) o.c.	5 psf			10 psf			20 psf			25 psf			30 psf		
		L/120	L/240	L/360	L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
362JR162-33	12	24.3	19.3	16.9	19.3	15.3	13.4	13.7	12.0	10.1	12.4	11.1	9.4	11.3	10.5	8.8
362JR162-33	16	22.1	17.6	15.3	16.9	13.9	12.2	12.0	10.9	9.2	10.7	10.1	8.5	9.8	9.5	8.0
362JR162-33	24	19.3	15.3	13.4	13.8	12.2	10.6	9.8	9.5	8.0	7.8	7.8	7.4	6.5	6.5	6.5
362JR162-43	12	26.5	21.0	18.4	21.0	16.7	14.6	14.9	13.0	11.0	13.8	12.1	10.2	13.0	11.4	9.6
362JR162-43	16	24.1	19.1	16.7	19.1	15.2	13.2	13.5	11.8	10.0	12.4	11.0	9.3	11.3	10.3	8.7
362JR162-43	24	21.0	16.7	14.6	16.0	13.2	11.6	11.3	10.3	8.7	10.1	9.6	8.1	9.3	9.0	7.6
362JR162-54	12	28.3	22.5	19.7	22.5	17.9	15.6	16.0	13.9	11.8	14.8	12.9	10.9	13.9	12.2	10.3
362JR162-54	16	25.8	20.4	17.9	20.4	16.2	14.2	14.5	12.7	10.7	13.5	11.8	9.9	12.6	11.1	9.3
362JR162-54	24	22.5	17.9	15.6	17.8	14.2	12.4	12.6	11.1	9.3	11.2	10.3	8.7	10.3	9.7	8.2
362JR162-68*	12	30.3	24.1	21.0	24.1	19.1	16.7	17.1	14.9	12.6	15.8	13.8	11.7	14.9	13.0	11.0
362JR162-68*	16	27.5	21.9	19.1	21.9	17.3	15.2	15.5	13.5	11.4	14.4	12.6	10.6	13.5	11.8	10.0
362JR162-68*	24	24.1	19.1	16.7	19.1	15.2	13.2	13.5	11.8	10.0	12.6	11.0	9.3	11.8	10.3	8.7
362JR162-97*	12	33.4	26.5	23.2	26.5	21.0	18.4	18.8	16.4	13.9	17.5	15.2	12.9	16.4	14.3	12.1
362JR162-97*	16	30.3	24.1	21.0	24.1	19.1	16.7	17.1	14.9	12.6	15.9	13.9	11.7	14.9	13.0	11.0
362JR162-97*	24	26.5	21.0	18.4	21.0	16.7	14.6	14.9	13.0	11.0	13.9	12.1	10.2	13.0	11.4	9.6
362JR200-33	12	25.6	20.3	17.8	20.3	16.1	14.1	14.4	12.6	10.6	12.9	11.7	9.9	11.7	11.0	9.3
362JR200-33	16	23.3	18.5	16.1	17.6	14.7	12.8	12.5	11.4	9.7	11.1	10.6	9.0	9.8	9.8	8.4
362JR200-33	24	20.3	16.1	14.1	14.4	12.8	11.2	9.8	9.8	8.4	7.8	7.8	7.8	6.5	6.5	6.5
362JR200-43	12	28.1	22.3	19.5	22.3	17.7	15.5	15.8	13.8	11.7	14.7	12.8	10.8	13.8	12.1	10.2
362JR200-43	16	25.5	20.3	17.7	20.3	16.1	14.1	14.4	12.6	10.6	13.3	11.7	9.8	12.1	11.0	9.3
362JR200-43	24	22.3	17.7	15.5	17.2	14.1	12.3	12.1	11.0	9.3	10.9	10.2	8.6	9.7	9.6	8.1
362JR200-54	12	30.1	23.9	20.9	23.9	19.0	16.6	17.0	14.8	12.5	15.8	13.8	11.6	14.8	13.0	10.9
362JR200-54	16	27.4	21.7	19.0	21.7	17.3	15.1	15.4	13.5	11.4	14.3	12.5	10.5	13.5	11.8	9.9
362JR200-54	24	23.9	19.0	16.6	19.0	15.1	13.2	13.5	11.8	9.9	12.3	10.9	9.2	11.2	10.3	8.7
362JR200-68*	12	32.3	25.6	22.4	25.6	20.3	17.8	18.2	15.9	13.4	16.9	14.7	12.4	15.9	13.9	11.7
362JR200-68*	16	29.3	23.3	20.3	23.3	18.5	16.1	16.5	14.4	12.2	15.3	13.4	11.3	14.4	12.6	10.6
362JR200-68*	24	25.6	20.3	17.8	20.3	16.1	14.1	14.4	12.6	10.6	13.4	11.7	9.9	12.6	11.0	9.3
362JR200-97*	12	35.7	28.3	24.7	28.3	22.5	19.6	20.1	17.5	14.8	18.6	16.3	13.7	17.5	15.3	12.9
362JR200-97*	16	32.4	25.7	22.5	25.7	20.4	17.8	18.2	15.9	13.4	16.9	14.8	12.5	15.9	13.9	11.7
362JR200-97*	24	28.3	22.5	19.6	22.5	17.8	15.6	15.9	13.9	11.7	14.8	12.9	10.9	13.9	12.2	10.3
362JR250-33	12	26.6	21.1	18.5	21.1	16.8	14.6	14.9	13.1	11.0	13.3	12.2	10.3	12.2	11.4	9.6
362JR250-33	16	24.2	19.2	16.8	18.2	15.2	13.3	12.9	11.9	10.0	11.5	11.0	9.3	9.8	9.8	8.8
362JR250-33	24	21.1	16.8	14.6	14.9	13.3	11.6	9.8	9.8	8.8	7.8	7.8	7.8	6.5	6.5	6.5
362JR250-43	12	29.5	23.4	20.5	23.4	18.6	16.2	16.6	14.5	12.2	15.4	13.5	11.4	14.5	12.7	10.7
362JR250-43	16	26.8	21.3	18.6	21.3	16.9	14.8	15.1	13.2	11.1	13.9	12.2	10.3	12.7	11.5	9.7
362JR250-43	24	23.4	18.6	16.2	17.9	14.8	12.9	12.7	11.5	9.7	11.3	10.7	9.0	9.7	9.7	8.5
362JR250-54	12	31.8	25.2	22.0	25.2	20.0	17.5	17.9	15.6	13.2	16.6	14.5	12.2	15.6	13.7	11.5
362JR250-54	16	28.9	22.9	20.0	22.9	18.2	15.9	16.3	14.2	12.0	15.1	13.2	11.1	14.2	12.4	10.5
362JR250-54	24	25.2	20.0	17.5	20.0	15.9	13.9	14.2	12.4	10.5	13.0	11.5	9.7	11.9	10.8	9.1
362JR250-68*	12	34.1	27.0	23.6	27.0	21.5	18.7	19.2	16.8	14.1	17.8	15.6	13.1	16.8	14.6	12.3
362JR250-68*	16	30.9	24.6	21.5	24.6	19.5	17.0	17.4	15.2	12.8	16.2	14.1	11.9	15.2	13.3	11.2
362JR250-68*	24	27.0	21.5	18.7	21.5	17.0	14.9	15.2	13.3	11.2	14.1	12.3	10.4	13.3	11.6	9.8
362JR250-97*	12	37.7	29.9	26.1	29.9	23.8	20.7	21.2	18.5	15.6	19.7	17.2	14.5	18.5	16.2	13.7
362JR250-97*	16	34.3	27.2	23.8	27.2	21.6	18.9	19.3	16.9	14.2	17.9	15.6	13.2	16.9	14.7	12.4
362JR250-97*	24	29.9	23.8	20.7	23.8	18.9	16.5	16.9	14.7	12.4	15.6	13.7	11.5	14.7	12.9	10.8
362JR300-33	12	27.4	21.8	19.0	21.6	17.3	15.1	15.3	13.5	11.4	13.6	12.5	10.6	12.5	11.8	9.9
362JR300-33	16	24.9	19.8	17.3	18.7	15.7	13.7	13.2	12.3	10.3	11.7	11.4	9.6	9.8	9.8	9.0
362JR300-33	24	21.6	17.3	15.1	15.3	13.7	12.0	9.8	9.8	9.0	7.8	7.8	7.8	6.5	6.5	6.5
362JR300-43	12	30.5	24.2	21.2	24.2	19.2	16.8	17.2	15.0	12.7	16.0	13.9	11.8	15.0	13.1	11.1
362JR300-43	16	27.7	22.0	19.2	22.0	17.5	15.3	15.6	13.6	11.5	14.3	12.7	10.7	13.1	11.9	10.1
362JR300-43	24	24.2	19.2	16.8	18.5	15.3	13.3	13.1	11.9	10.1	11.6	11.1	9.3	9.7	9.7	8.8
362JR300-54	12	33.3	26.4	23.1	26.4	21.0	18.3	18.7	16.4	13.8	17.4	15.2	12.8	16.4	14.3	12.1
362JR300-54	16	30.2	24.0	21.0	24.0	19.0	16.6	17.0	14.9	12.5	15.8	13.8	11.6	14.9	13.0	11.0
362JR300-54	24	26.4	21.0	18.3	21.0	16.6	14.5	14.9	13.0	11.0	13.3	12.1	10.2	12.2	11.3	9.6
362JR300-68*	12	35.4	28.1	24.5	28.1	22.3	19.5	19.9	17.4	14.7	18.5	16.1	13.6	17.4	15.2	12.8
362JR300-68*	16	32.1	25.5	22.3	25.5	20.2	17.7	18.1	15.8	13.3	16.8	14.7	12.4	15.8	13.8	11.6
362JR300-68*	24	28.1	22.3	19.5	22.3	17.7	15.4	15.8	13.8	11.6	14.7	12.8	10.8	13.8	12.1	10.2
362JR300-97*	12	39.6	31.4	27.4	31.4	24.9	21.8	22.3	19.5	16.4	20.7	18.1	15.2	19.5	17.0	14.3
362JR300-97*	16	35.9	28.5	24.9	28.5	22.6	19.8	20.2	17.7	14.9	18.8	16.4	13.8	17.7	15.4	13.0
362JR300-97*	24	31.4	24.9	21.8	24.9	19.8	17.3	17.7	15.4	13.0	16.4	14.3	12.1	15.4	13.5	11.4

Notes:

1. Lateral loads multiplies by 0.70 for deflection determination except for 5 & 10 psf.
2. Check end reaction for web crippling.
3. Limiting heights based on continuous support of each flange over the full height of the stud.
4. Heights based on steel properties only.