Marino\WARE® Product Submittal Data

PRODUCT NAME: **362QFH300-118**

MARINO\WARE PART # 358QFH300118

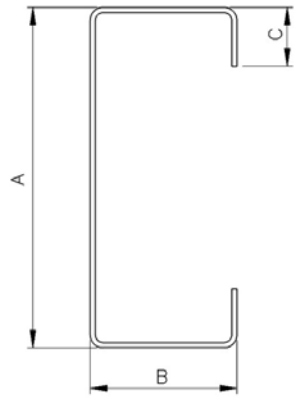
QUICKFRAME Rough Opening System

PROPERTIES:

A. Web (in)	3-5/8	**Yield Strength Fy (KSI)**	50
B. Flange (in)	3	**Tensile Strength Fu (KSI)**	65
C. Lip (in)	1	**Design Thickness (in)**	0.1242
Mils	118	**Minimum Thickness (in)**	0.1180
Available Finish	G60, G90	**Gauge**	10

05.40.00 Cold-Formed Metal Framing

QUICKFRAME



SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: **A** (in^2)	1.33
Weight of Member: **(lb/ft)**	4.52
Moment of Inertia: **Ix** (in^4)	2.86
Section Modulus: **Sx** (in^3)	1.58
Radius of Gyration: **Rx** (in)	1.47
Moment of Inertia: **Iy** (in^4)	1.69
Section Modulus: **Sy** (in^3)	0.986
Radius of Gyration: **Ry** (in)	1.13

EFFECTIVE SECTION PROPERTIES - Unpunched

Moment of Inertia-Deflection: **Ixe** (in^4)	2.86
Section Modulus: **Sxe** (in^3)	1.58
Allowable Bending Moment: **Malx** (in-k)	53.2
Allowable Bending Moment: **Madx** (in-k)	47.3
Moment of Inertia: **Iye** (in^4)	1.69
Section Modulus: **Sye** (in^3)	0.986
Allowable Bending Moment: **Maly** (in-k)	34.9
Allowable Bending Moment: **Mady** (in-k)	29.5
Allowable shear: **Vag** (k)	6,996

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: **Jx1000** (in^4)	6.83
Torsional Warping Constant: **Cw** (in^6)	7.41
Shear Center to Centroid on Principal X-axis: **Xo** (in)	-2.87
Radius of Gyration on the Centroid Principal axis: **Ro** (in)	3.52
Torsional Flexural Constant: **β =** $[1-(xo/Ro)^2]$	0.294

** 33 mil and 43 mil calculated with the Direct strength Method*

CODES & STANDARDS

- AISI S100-2016
- Meets IBC 2015 & 2012
- ASTM C 955 compliant
- Galvanized steel sheet meets ASTM A 1003 & A 653

GREEN INFO

- LEED v3 & LEED v4 credits available
- Contact Technical Services for more information

MARINO\WARE®

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 01/27/2017

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