Submittal Information

Job Info:

GC:

Contractor:

Architect:

Distributor:

Date:_____

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Marino\WARE®
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Marino\WARE®
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200 Business Center Drive
Stockbridge, GA 30281
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Marino\WARE® Product Submittal Data

PRODUCT NAME: **600S162-33**

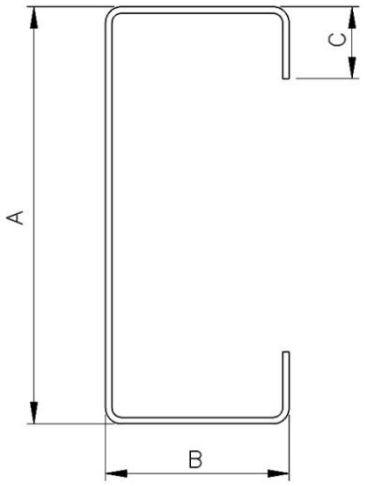
MARINO\WARE PART # 600SS20

05.40.00 Cold-Formed Metal Framing

PROPERTIES:

A. Web (in)	6"	**Yield Strength Fy (KSI)**	33
B. Flange (in)	1-5/8"	**Tensile Strength Fu (KSI)**	45
C. Lip (in)	1/2"	**Design Thickness (in)**	0.0346"
Mils	33	**Minimum Thickness (in)**	0.0329"
Available Finish	G60, G90	**Gauge**	20

STRUCTURAL STUD



SECTION PROPERTIES

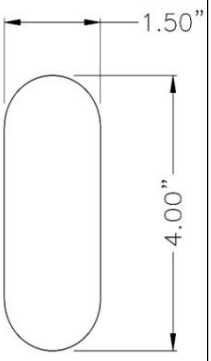
GROSS SECTION PROPERTIES

Cross Sectional Area: **A** (in^2)	0.344
Weight of Member: (lb/ft)	1.17
Moment of Inertia: **Ix** (in^4)	1.793
Section Modulus: **Sx** (in^3)	0.598
Radius of Gyration: **Rx** (in)	2.282
Gross Moment of Inertia: **Iy** (in^4)	0.116
Gross Radius of Gyration: **Ry** (in)	0.581

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: **Ixe** (in^4)	1.79
Section Modulus: **Sxe** (in^3)	0.58
Allowable Bending Moment: **Ma** (in-k)	11.41
Allowable strong axis shear away from punch: **Vag** (lb)	638
Allowable strong axis shear at punch: **Vanet** (lb)	638

Punchout



TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: **Jx1000** (in^4)	0.137
Torsional Warping Constant: **Cw** (in^6)	0.861
Shear Center to Centroid on Principal X-axis: **Xo** (in)	-1.072
Shear Center to Mid-Plane of the Web: **m** (in)	0.677
Radius of Gyration on the Centroid Principal axis: **Ro** (in)	2.587
Torsional Flexural Constant: **β** $1-(xo/Ro)^2$	0.828

CODES & STANDARDS

- AISI North American Specification 2001 with 2004 Supplement
- Framing meets ASTM A 1003, A 653, & C 955

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%

Marino\WARE® Product Submittal Data

PRODUCT NAME: **600T125-33**

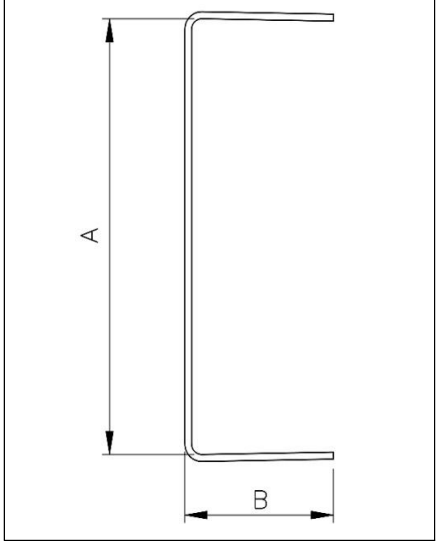
MARINO\WARE PART # 600ST20

05.40.00 Cold-Formed Metal Framing

PROPERTIES:

A. Web (in)	6"	**Yield Strength Fy (KSI)**	33
B. Flange (in)	1-1/4"	**Tensile Strength Fu (KSI)**	45
Mils	33	**Design Thickness (in)**	0.0346
Available Finish	G60, G90	**Minimum Thickness (in)**	0.0329
		Gauge	20

STRUCTURAL TRACK



SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: **A** (in^2)	0.294
Weight of Member: (lb/ft)	1.00
Moment of Inertia: **Ix** (in^4)	1.428
Section Modulus: **Sx** (in^3)	0.465
Radius of Gyration: **Rx** (in)	2.204
Gross Moment of Inertia: **Iy** (in^4)	0.034
Gross Radius of Gyration: **Ry** (in)	0.339

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: **Ix** (in^4)	1.258
Section Modulus: **Sx** (in^3)	0.297
Allowable Bending Moment: **Ma** (in-k)	5.870
Allowable strong axis shear away from punch: **Vag** (lb)	622

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: **Jx1000** (in^4)	0.117
Torsional Warping Constant: **Cw** (in^6)	0.238
Shear Center to Centroid on Principal X-axis: **Xo** (in)	-0.516
Shear Center to Mid-Plane of the Web: **m** (in)	0.337
Radius of Gyration on the Centroid Principal axis: **Ro** (in)	2.289
Torsional Flexural Constant: **β** $[1-(xo/Ro)^2]$	0.949

CODES & STANDARDS

- AISI North American Specification 2001 with 2004 Supplement
- 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%