MARINO WARE®

## Summary of files downloaded

**Slotted Track**

- 250SLT250-54.pdf
- 362SLT250-54.pdf

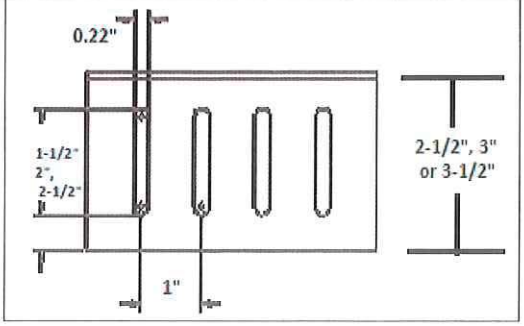
Re-submittal of Spec 2.4 D 1 per previously rejected section.

# Marino\WARE® Product Submittal Data

**PRODUCT NAME:** 250SLT250-54

**05.40.00 Cold-Formed Metal Framing**

**SLOTTED TRACK (SLT)**




## PROPERTIES:

| | | | |
|---|---|---|---|
| **A. Web (in)** | 2-1/2 | **Yield Strength Fy (KSI)** | 50 |
| **B. Flange (in)** | 2-1/2 | **Design Thickness (in)** | 0.0566 |
| **Mils** | 54 | **Minimum Thickness (in)** | 0.0538 |
| **Available Finish** | G60, G90 | **Gauge** | 16 |
| **Slot (in)** | 1-1/2 | | |

## SECTION PROPERTIES

***GROSS SECTION PROPERTIES***

| | |
|---|---|
| Cross Sectional Area: **A** ($in^2$) | 0.4238 |
| Weight of Member: (lb/ft) | 1.4421 |
| Section Modulus: **Sx** ($in^3$) | 0.4189 |
| Moment of Inertia: **Ix** ($in^4$) | 0.5651 |
| Radius of Gyration: **Rx** (in) | 1.1547 |
| Gross Moment of Inertia: **Iy** ($in^4$) | 0.2875 |
| Gross Radius of Gyration: **Ry** (in) | 1.1547 |

***TORSIONAL SECTION PROPERTIES***

| | |
|---|---|
| St. Venant Torsional Constant: **Jx1000** ($in^4$) | 0.4526 |
| Torsional Warping Constant: **Cw** ($in^6$) | 0.3612 |
| Shear Center to Centroid on Principal X-axis: **Xo** (in) | -1.865 |
| Shear Center to Mid-Plane of the Web: **m** (in) | 1.049 |
| Radius of Gyration on the Centroid Principal axis: **Ro** (in) | 2.343 |
| Torsional Flexural Constant: **β** $[1-(xo/Ro)^2]$ | 0.366 |

Re-submittal of Spec 2.4 D 1 per previously rejected section.

## CODES & STANDARDS

- AISI North American Specification 2007
- 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%

## FIRE RATINGS

- Approved for these UL Head Of Wall Assemblies

HW-D-0003, HW-D-0020, HW-D-0021, HW-D-0024, HW-D-0025, HW-D-0029, HW-D-0031, HW-D-0032, HW-D-0033, HW-D-0034, HW-D-0036, HW-D-0042, HW-D-0043, HW-D-0044, HW-D-0045, HW-D-0046, HW-D-0049, HW-D-0054, HW-D-0058, HW-D-0059, HW-D-0062, HW-D-0063, HW-D-0071, HW-D-0072, HW-D-0073, HW-D-0076, HW-D-0077, HW-D-0079, HW-D-0082, HW-D-0083, HW-D-0084, HW-D-0085, HW-D-0087, HW-D-0088, HW-D-0089, HW-D-0099, HW-D-0101, HW-D-0102, HW-D-0103, HW-D-0104, HW-D-0105, HW-D-0106, HW-D-0107, HW-D-0108, HW-D-0111, HW-D-0127, HW-D-0128, HW-D-0129, HW-D-0130, HW-D-0134, HW-D-0136, HW-D-0139, HW-D-0144, HW-D-0146, HW-D-0152, HW-D-0154, HW-D-0162, HW-D-0170, HW-D-0173, HW-D-0179, HW-D-0180, HW-D-0184, HW-D-0185, HW-D-0190, HW-D-0191, HW-D-0194, HW-D-0205, HW-D-0209, HW-D-0210, HW-D-0217, HW-D-0218, HW-D-0221, HW-D-0222, HW-D-0223, HW-D-0227, HW-D-0227, HW-D-0228, HW-D-0238, HW-D-0239, HW-D-0241, HW-D-0242, HW-D-0243, HW-D-0247, HW-D-0249, HW-D-0252, HW-D-0287, HW-D-0259, HW-D-0260, HW-D-0263, HW-D-0264, HW-D-0265, HW-D-0271, HW-D-0272, HW-D-0278, HW-D-0283, HW-D-0288, HW-D-0292, HW-D-0295, HW-D-0297, HW-D-0298, HW-D-0299, HW-D-0304, HW-D-0305, HW-D-0309, HW-D-0310, HW-D-0313, HW-D-0314, HW-D-0315, HW-D-0316, HW-D-0317, HW-D-0320, HW-D-0321, HW-D-0322, HW-D-0324, HW-D-0342, HW-D-0363, HW-D-0365, HW-D-0371, HW-D-0377, HW-D-0380, HW-D-0381, HW-D-0388, HW-D-3393, HW-D-0396, HW-D-0453, HW-D-0456, HW-D-0457, HW-D-0483, HW-D-0484, HW-D-0485, HW-D-0486, HW-D-0523, HW-D-0541, HW-D-0542, HW-D-0545, HW-D-0546, HW-D-0547, HW-D-0548, HW-D-0549, HW-D-0564, HW-D-0569, HW-D-0570, HW-D-0571, HW-D-0572



**For more information, please contact Marino\WARE Technical Services at 866-545-1545.**

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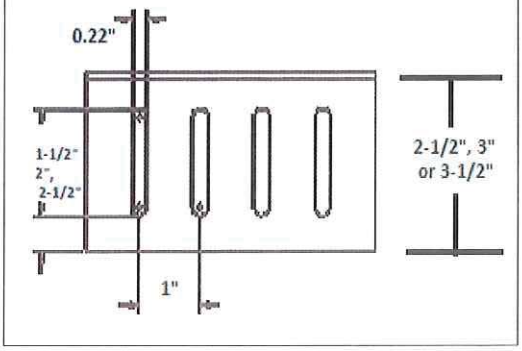
# Marino\WARE® Product Submittal Data

**PRODUCT NAME:** 362SLT250-54

**05.40.00 Cold-Formed Metal Framing**

**SLOTTED TRACK (SLT)**




## PROPERTIES:

| | | | |
|---|---|---|---|
| **A. Web (in)** | 3-5/8 | **Yield Strength Fy (KSI)** | 50 |
| **B. Flange (in)** | 2-1/2 | **Design Thickness (in)** | 0.0566 |
| **Mils** | 54 | **Minimum Thickness (in)** | 0.0538 |
| **Available Finish** | G60, G90 | **Gauge** | 16 |
| **Slot (in)** | 1-1/2 | | |

## SECTION PROPERTIES

***GROSS SECTION PROPERTIES***

| | |
|---|---|
| Cross Sectional Area: **A** ($in^2$) | 0.4875 |
| Weight of Member: (lb/ft) | 1.6588 |
| Section Modulus: **Sx** ($in^3$) | 0.6406 |
| Moment of Inertia: **Ix** ($in^4$) | 1.2245 |
| Radius of Gyration: **Rx** (in) | 1.5849 |
| Gross Moment of Inertia: **Iy** ($in^4$) | 0.3243 |
| Gross Radius of Gyration: **Ry** (in) | 1.5849 |

***TORSIONAL SECTION PROPERTIES***

| | |
|---|---|
| St. Venant Torsional Constant: **Jx1000** ($in^4$) | 0.5206 |
| Torsional Warping Constant: **Cw** ($in^6$) | 0.8122 |
| Shear Center to Centroid on Principal X-axis: **Xo** (in) | -1.695 |
| Shear Center to Mid-Plane of the Web: **m** (in) | 0.986 |
| Radius of Gyration on the Centroid Principal axis: **Ro** (in) | 2.460 |
| Torsional Flexural Constant: **β** $[1-(xo/Ro)^2]$ | 0.525 |

Re-submittal of Spec 2.4 D 1 per previously rejected section.

## CODES & STANDARDS

- AISI North American Specification 2007
- Framing meets ASTM A 1003, A 653, & C 955
- Galvanized steel sheet meets ASTM A 924

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- MR Credit 4 - Recycled Content (1-2 points)
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## FIRE RATINGS

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MARINO\WARE
www.marinoware.com

**For more information, please contact Marino\WARE Technical Services at 866-545-1545.**

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MARINO WARE®

# Submittal Information

**Job Info:**
WEBSTER

**Date:** 10/07/16

**GC:**

Re-submittal of Spec 2.4 D 1 per previously rejected section.

**Contractor:**

**Architect:**

**Distributor:**


Marino\WARE®
**New Jersey Plant**
400 Metuchen Rd.
South Plainfield, NJ 07080
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F: 908.412.1442

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**Texas Plant**
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Pasadena, TX 77507
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F: 631.691.1492

Marino\WARE®
**Engineering Office**
200 Business Center Drive
Stockbridge, GA 30281
P: 866-545-1545
F: 770.507.2605

CANNONDESIGN

# SUBMITTAL IDENTIFICATION SHEET

**To be completed by Contractor/CM**

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

DEVIN D GATES
SUBMITTED BY

| 054000-007 REV 1 | |
|---|---|
| CONTRACTOR / CM SUBMITTAL NO. | CANNON DESIGN SUBMITTAL NO. |
| | 054000 |
| DRAWING / DETAIL REFERENCE | SPECIFICATION SECTION / PARAGRAPH |
| MANUFACTURER / SUPPLIER | ITEM / PRODUCT ID |
| REQUIRED DATE | PRIORITY ○ CRITICAL |

ITEM BEING SUBMITTED (check only one)

- ○ Shop Drawings
- ○ Samples ( _____ copies)
- ○ LEED Submittal
- ○ Certification / Qualifications
- ◉ Record Documents
- ○ Product Data
- ○ Coordination Drawing
- ○ Calculations
- ○ Schedules
- ○ O&M Manuals
- ○ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ○ Information Only ○ Record

REMARKS OR DEVIATIONS

Revised track

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

| DEVIN D GATES | 10/11/16 |
|---|---|
| REVIEWED BY | DATE |

**To be completed by Reviewer**

05 4000-007
CANNON DESIGN SUBMITTAL NUMBER

10/11/16
RECEIVED DATE

- ◉ **A. No Exceptions Taken**
  No further review of submittal is required.
- ○ **B. Make Corrections Noted**
  Incorporate corrections in work; resubmission is not required.
- ○ **C. Revise and Resubmit**
  Revise as noted, and resubmit for review.
- ○ **D. Rejected**
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ○ **E. For Record / Information Only**
  Submittal was reviewed for Record / Information purposes only.
- ○ **F. Not Required for Review**
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ○ See attached sheet(s) for additional comments

| Kathy Williams | 10/12/16 |
|---|---|
| REVIEWED BY | DATE |