Sales: (888)248-8076 Fax: (847)680-7883 www.mbastuds.com

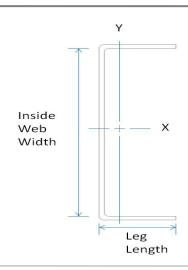
Submittal Data - Structural Track

Member Designator

550T300-97 Coating **CP60**

Physical Properties

Design Thickness 0.1017 in Mil 97 mil Gauge 12 Gauge Inside Web Width 5.50 in Leg Length 3.00 in **Yield Strength** 33 ksi



Gross Properties

| Gross Properties | | | | | | | | |
|--------------------|---------|--------------------|--------------------|-------|--------------------|-------|--|--|
| Area | Weight | lx | Sx | Rx | ly | Ry | | |
| (in ²) | (lb/ft) | (in ⁴) | (in ³) | (in) | (in ⁴) | (in) | | |
| 1.167 | 3.97 | 6.430 | 2.196 | 2.347 | 1.068 | 0.956 | | |

Effective Properties

| Effective Properties (33ksi) | | | | | | | |
|------------------------------|--------------------|--------|------|--|--|--|--|
| lxe | Sxe | Ma | Vag | | | | |
| (in⁴) | (in ³) | (in-k) | (lb) | | | | |
| 5.816 | 1.654 | 32.68 | 6730 | | | | |

Torsional Properties

| Torsional | | | | | | | | | |
|--------------------|--------------------|--------|-------|-------|-------|--|--|--|--|
| J ^{x1000} | Cw | Xo | m | Ro | β | | | | |
| (in⁴) | (in ⁶) | (in) | (in) | (in) | | | | | |
| 4.024 | 6.248 | -1.871 | 1.113 | 3.150 | 0.647 | | | | |

General Notes

- 1. Physical properties and load tables have been calculated in conformance with the 2001 NASPEC for the Design of Cold-Formed Steel Structural Members, including the 2004 Supplement, and the IBC 2006, unless noted otherwise.
- 2. Drywall framing members have a protective coating conforming to ASTM spec A 653/A 653M, G-40 min, or equivalent corrosion resistance.
- 3. Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
- 4. Drywall framing members are marked with product information per the requirements of ASTM C 645 section 14.
- 5. All delivered material must be kept dry, preferably by being stored inside a building under a roof. If it is necessary to store material outside, it must be stacked off the ground, properly supported on a level platform, and fully protected from the weather. Reference ASTM C 754 section 8 and ASTM C 1007 section 4.
- 6. Drywall framing [nonstructural 25 gauge, 22 gauge and 20 gauge] is not permitted in load bearing (i.e. axial load greater than 200 lbs.) or exterior applications (i.e. transverse load greater than 10 PSF). Reference ASTM C 645 section 3.2.2.

LEED Green Building Credits

MR Credit 2: Construction Waste Management – MBA steel framing is 100% recyclable.

MR Credit 4: Recycled Content – MBA steel framing is formed from no less than 25.5% post-consumer and 6.8% pre-consumer recycled content.

MR Credit 5: Regional Materials – MBA has manufacturing facilities in multiple states.

