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

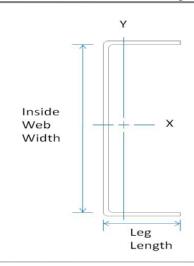
Submittal Data - Drywall Track

Member Designator

550PT250-30 Coating **G40 EQ**

Physical Properties

Design Thickness 0.0312 in Mil 30 mil 20 Gauge Gauge Web Width 5.50 in Flange Width 2.50 in **Yield Strength** 33 ksi



Gross Properties

| Gross Properties | | | | | | | | |
|--------------------|---------|--------------------|-------|-------|--------------------|-------|--|--|
| Area | Weight | lx | Sx | Rx | ly | Ry | | |
| (in ²) | (lb/ft) | (in ⁴) | (in³) | (in) | (in ⁴) | (in) | | |
| 0.327 | 1.114 | 1.641 | 0.586 | 2.239 | 0.206 | 0.793 | | |

Effective Properties

| Effective Properties | | | | | | | |
|----------------------|--------------------|-------|----------|--|--|--|--|
| Ae | lxe | Sxe | Ma | | | | |
| (in ²) | (in ⁴) | (in³) | (in-lbs) | | | | |
| 0.091 | 1.190 | 0.239 | 4727 | | | | |

Torsional Properties

| Torsional | | | | | | | | |
|--------------------|--------------------|--------|-------|-------|--|--|--|--|
| J ^{x1000} | Cw | Xo | Ro | β | | | | |
| (in ⁴) | (in ⁶) | (in) | (in) | | | | | |
| 0.106 | 1.124 | -1.493 | 2.805 | 0.717 | | | | |

General Notes

- 1. MBA Building Supplies is a SSMA member company. MBA adheres to the product standards and quality standards as required by SSMA.
- 2. 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.
- 3. Allowable composite heights are calculated using ICC-ES AC86-2010. The 1/3 stress increase was not used.
- 4. Drywall framing members have a protective coating conforming to ASTM spec A 653/A 653M, G-40 min, or equivalent corrosion resistance.
- 5. Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
- 6. Drywall framing members are marked with product information per the requirements of ASTM C 645 section 14.
- 7. 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.
- 8. 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 Illinois and Alabama.

