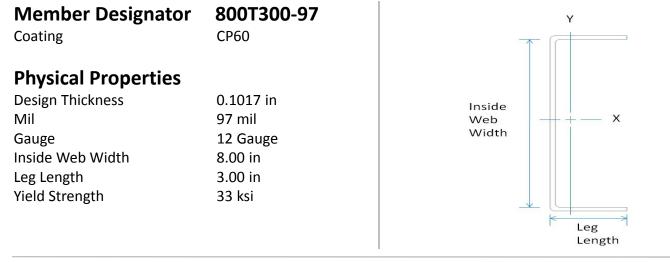


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# Submittal Data – Structural Track



| Gross Properties   |         |                    |                    |       |                    |       |  |
|--------------------|---------|--------------------|--------------------|-------|--------------------|-------|--|
| Area               | Weight  | Ix                 | Sx                 | Rx    | ly                 | Ry    |  |
| (in <sup>2</sup> ) | (lb/ft) | (in <sup>4</sup> ) | (in <sup>3</sup> ) | (in)  | (in <sup>4</sup> ) | (in)  |  |
| 1.422              | 4.84    | 14.676             | 3.513              | 3.213 | 1.188              | 0.914 |  |

## **Gross Properties**

| Effective Properties (33ksi) |                    |        |      |  |  |  |
|------------------------------|--------------------|--------|------|--|--|--|
| lxe Sxe                      |                    | Ma     | Vag  |  |  |  |
| (in <sup>4</sup> )           | (in <sup>3</sup> ) | (in-k) | (lb) |  |  |  |
| 13.395                       | 2.758              | 54.49  | 8843 |  |  |  |

## **Torsional Properties**

|                    | Torsional          |        |       |       |       |  |
|--------------------|--------------------|--------|-------|-------|-------|--|
| J <sup>×1000</sup> | Cw                 | Хо     | m     | Ro    | β     |  |
| (in <sup>4</sup> ) | (in <sup>6</sup> ) | (in)   | (in)  | (in)  |       |  |
| 4.901              | 14.473             | -1.628 | 1.006 | 3.716 | 0.808 |  |

#### **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.

