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## 600VT150-33 VIPERTRACK

### Geometric Properties

6" ViperTrack with 1-1/2" legs is manufactured from standard G40 hot-dipped galvanized steel. G60 and G90 coatings are available through special order, and may require up-charges and extended lead times.

### Physical Properties

| Model No.   | Design Thickness (in) | Minimum Thickness (in) | Yield (ksi) | Coating <sup>3,4</sup> | Web Depth (in) | Leg Size (in) | GAP <sup>5</sup> (in) | Load <sup>5</sup> (lb.) | Max Height <sup>5</sup> 5 psf, 16" o.c. |
|-------------|-----------------------|------------------------|-------------|------------------------|----------------|---------------|-----------------------|-------------------------|-----------------------------------------|
| 600VT150-33 | 0.0346                | 0.0329                 | 33          | G40                    | 6              | 1-1/2         | --                    | --                      | --                                      |

**Notes:**

1. Uncoated steel thickness. Thickness is for carbon sheet steel.
2. Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness.
3. Per ASTM C645 & A1003, Table 1.
4. G60 and G90 available upon request. Will require extended lead time and upcharge.
5. Use Gap, Load and Maximum Height data when member is used as a top deflection track.

**Color Code (painted on ends):** 33 mil: White

#### ASTM & Code Standards:

- ASTM A653/A653M, A924/A924M, A1003/A1003M, C645, C754, E119
- IBC: 2012, 2015, 2018, 2021
- CBC: 2013, 2016, 2019
- AISI: S100, S220

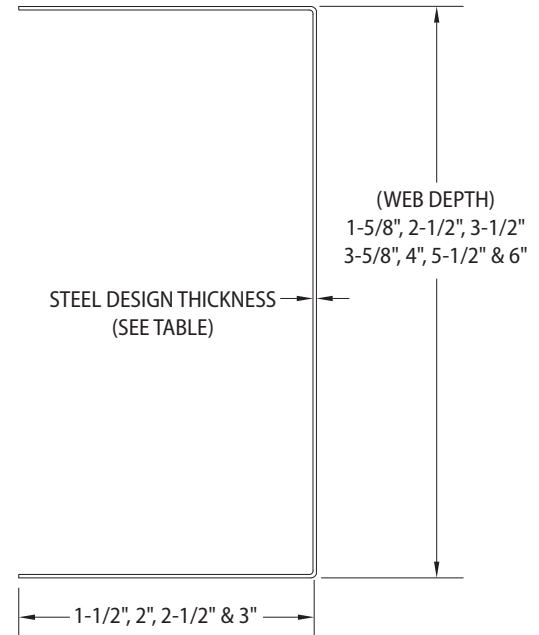
#### LEED v4 for Building and Design Construction

- MR Prerequisite: Construction and Demolition Waste Management Planning.
- MR Credit: Construction and Demolition Waste Management.
- MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2.
- MR Credit: Building Product Disclosure and Optimization – Environmental Product Declarations, Options 1 & 2.
- MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 1.
- MR Credit: Building Life-Cycle Impact Reduction, Option 4.

#### CEMCO cold-formed steel framing products contain 30% to 37% recycled steel.

- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%

**CSI Division:** 09.22.16 – Non-Structural Metal Framing



### ViperTrack 1.50" Leg

| Member      | Leg Size<br>(in) |                   |                |             |                | Gross Properties |             |             |            |             |            | Effective Properties |              |              | Torsional Properties |            |            |            |       |
|-------------|------------------|-------------------|----------------|-------------|----------------|------------------|-------------|-------------|------------|-------------|------------|----------------------|--------------|--------------|----------------------|------------|------------|------------|-------|
|             |                  | Weight<br>(lb/ft) | Design<br>(in) | Min<br>(in) | Yield<br>(ksi) | Area<br>(in²)    | Sx<br>(in³) | Ix<br>(in⁴) | Rx<br>(in) | Iy<br>(in⁴) | Ry<br>(in) | Ixd<br>(in⁴)         | Sxx<br>(in³) | Ma<br>(in-k) | Jx1000<br>(in⁴)      | Cw<br>(in) | Xo<br>(in) | Ro<br>(in) | β     |
| 600VT150-33 | 1.50             | 1.0592            | 0.0346         | 0.0329      | 33             | 0.3113           | 0.5173      | 1.5897      | 2.2599     | 0.0566      | 0.4263     | 1.3543               | 0.3029       | 5.9856       | 0.1242               | 0.3899     | -0.684     | 2.399      | 0.919 |

**Notes:**

1. Section properties are in accordance with AISI S100 & S220.
2. Cold-work of forming is not included.
3. The effective moment of inertia for deflection is calculated based on AISI S100 & S220 procedure 1 for serviceability determination.
4. The center line bend radius is greater than 2 times the design thickness or 3/32".

Check the updated list of Certified Production Facilities at Intertek's website at <http://www.intertek.com/building/sfia>



This technical information reflects the most current information available and supersedes any and all previous publications effective October 20, 2021.

10-20-21 AT