



Expanding Your Solutions

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## 400VT250-30 VIPERTRACK

### Geometric Properties

4" ViperTrack with 2-1/2" 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. |
|-------------|-----------------------|------------------------|-------------|------------------------|----------------|---------------|-----------------------|-------------------------|-----------------------------------------|
| 400VT250-30 | 0.0312                | 0.0296                 | 33          | G40                    | 4              | 2-1/2         | 3/4                   | 61                      | 18'-4"                                  |

#### 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):** 30 mil: Pink

#### ASTM & Code Standards:

- ASTM A653/A653M, A924/A924M, A1003/A1003M, C645, C754, E119
- IBC: 2012, 2015, 2018
- CBC: 2013, 2016
- AISI: S100-07, S100-12, S100-16, S220-11, S220-15

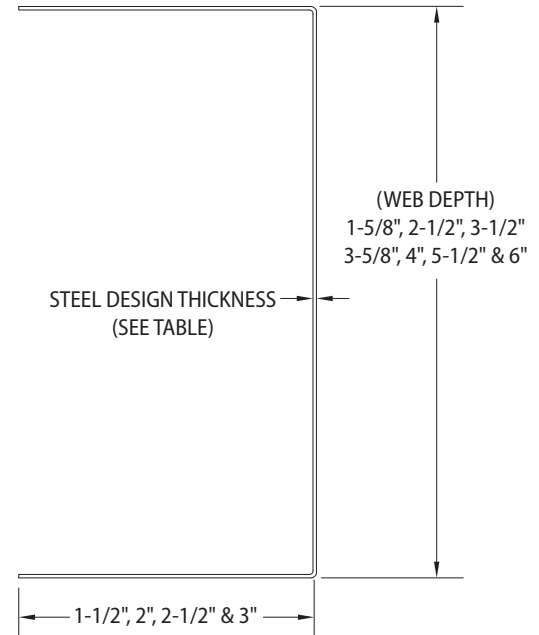
#### LEED v4 for Building and Design Construction

- 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 2.50" Leg

| Member      | Leg Size (in) |                |             |          |             |                         | Gross Properties                  |                                   |                     |                                   |                                   |                     | Effective Properties               |                                    |           | Torsional Properties |                                       |                     |                     |       |
|-------------|---------------|----------------|-------------|----------|-------------|-------------------------|-----------------------------------|-----------------------------------|---------------------|-----------------------------------|-----------------------------------|---------------------|------------------------------------|------------------------------------|-----------|----------------------|---------------------------------------|---------------------|---------------------|-------|
|             |               | Weight (lb/ft) | Design (in) | Min (in) | Yield (ksi) | Area (in <sup>2</sup> ) | I <sub>x</sub> (in <sup>4</sup> ) | S <sub>x</sub> (in <sup>3</sup> ) | R <sub>x</sub> (in) | I <sub>y</sub> (in <sup>4</sup> ) | S <sub>y</sub> (in <sup>3</sup> ) | R <sub>y</sub> (in) | I <sub>xd</sub> (in <sup>4</sup> ) | S <sub>xe</sub> (in <sup>3</sup> ) | Ma (in-k) | X <sub>o</sub> (in)  | J <sub>x1000</sub> (in <sup>4</sup> ) | C <sub>w</sub> (in) | R <sub>o</sub> (in) | β     |
| 400VT250-30 | 2.50          | 0.96           | 0.0312      | 0.0296   | 33          | 0.281                   | 0.831                             | 0.400                             | 1.720               | 0.187                             | 0.104                             | 0.816               | 0.548                              | 0.185                              | 3.66      | -1.66                | 0.0913                                | 0.5600              | 2.52                | 0.568 |

#### Notes:

1. Section properties are in accordance with AISI S100-16.
2. Cold-work of forming is not included.
3. The effective moment of inertia for deflection is calculated based on AISI S100-16 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 December 12, 2018.

12-12-18 AT