

400VT150-15 (25EQ) VIPERTRACK

Geometric Properties

4" 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 ^{3,4} | Web Depth (in) | Leg Size (in) | GAP ⁵ (in) | Load ⁵ (lb.) | Max Height ⁵ 5 psf, 16" o.c. |
|--------------------|-----------------------|------------------------|-------------|------------------------|----------------|---------------|-----------------------|-------------------------|---|
| 400VT150-15 (25EQ) | 0.0155 | 0.0147 | 50 | G40 | 1-5/8 | 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): 15 mil: None with Dark Grey band on pallet

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

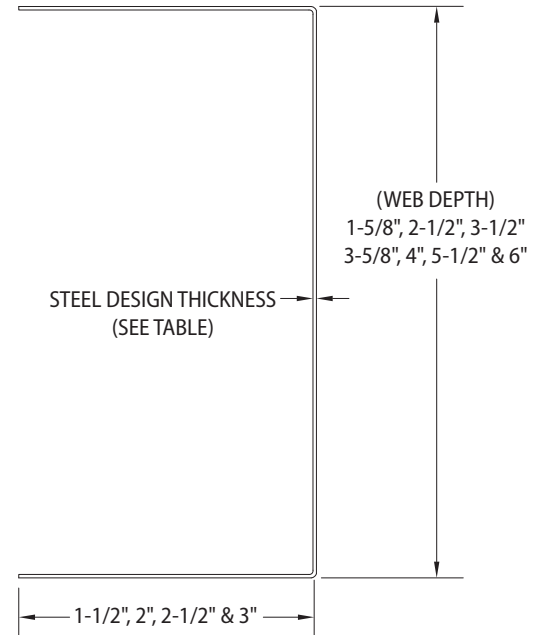
LEED v4 for Building and Design Construction

- 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 (in) | | | | | Gross Properties | | | | | | Effective Properties | | | Torsional Properties | | | | |
|-----------------------|------------------|-------------------|----------------|-------------|----------------|------------------|-------------|-------------|------------|-------------|------------|----------------------|--------------|--------------|----------------------|------------|------------|------------|-------|
| | | Weight (lb/ft) | Design (in) | Min (in) | Yield (ksi) | Area (in²) | Sx (in³) | Ix (in⁴) | Rx (in) | Iy (in⁴) | Ry (in) | Ixd (in⁴) | Sxx (in³) | Ma (in-k) | Jx1000 (in⁴) | Cw (in) | Xo (in) | Ro (in) | β |
| 400VT150-15 (25EQ) | 1.5 | 0.3696 | 0.0155 | 0.0147 | 50 | 0.1086 | 0.1355 | 0.2801 | 1.6059 | 0.0233 | 0.4636 | - | - | - | 0.0087 | 0.0708 | -0.829 | 1.866 | 0.803 |

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".