

Corporate Headquarters 13191 Crossroads Pkwy N., Ste 325 City of Industry, CA 91746 Phone: 800.775.2362

Manufacturing Facilities

City of Industry, CA Denver, CO Ft. Worth, TX Pittsburg, CA

Structural Engineering/Design

1001-A Pittsburgh Antioch Hwy Pittsburg, CA 94565 Phone: 800.775.2362 Fax: 626.330.7598

Technical Services

13191 Crossroads Pkwy N., Ste 325 City of Industry, CA 91746 Phone: 800.416.2278 Fax: 626.249.5004

350VXT150-18 VIPER-X INTERIOR TRACK

Fax: 626.330.7598

Geometric Properties

3-1/2" x 1-1/2" flange Viper-X Tracks are 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.

Steel Thickness

| Member | Design Thickness (in) | Minimum Thickness (in) | Yield (ksi) | Web Depth (W) | Coating ⁴ | Flange (in) | |
|--------------|-----------------------------|------------------------------|----------------|---------------|----------------------|----------------|--|
| 350VXT150-18 | 0.0188 | 0.0179 | 57 | 3-1/2 | G40 | 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.
- 4. G60 and G90 available upon request. Will require extended lead time and upcharge.

Color Code (painted on ends): Dark Gray

ASTM & Code Standards:

- ASTM A653/A653M, A924/A924M, A1003/1003, C645 & C754, E119
- IAPMO ER-0524
- IBC: 2012, 2015, 2018
- CBC: 2013, 2016, 2019
- AISI: S100-07, S100-12, S100-16, S220-11, S220-15

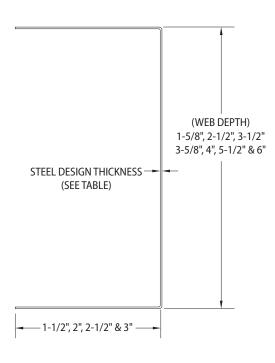
LEED v4 for Building and Design Construction

- 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



Interior Non-Load Bearing Track Section Properties

| | | | Gross Properties | | | | | | Ef | fective l | Properti | es | Torsional Properties | | | | | | |
|--------------------|----|-------------------|------------------|---------------------------------|-------------|------------|-------------|-------------|----------------|----------------------------------|--------------|---------------------|----------------------|--|--------------------------|----------------|------------|-------|-------|
| Member Yield (ksi) | | Weight (lb/ft) | Area (in²) | lx (in ⁴) | Sx (in³) | Rx (in) | Sy (in³) | ly (in³) | Ry (in) | Ixe (in ⁴) | Sxe (in³) | Ma (k-in) | Vag (k) | J (x10 ⁻⁶) (in ⁴) | Cw (in ⁶) | Xo (in) | Ro (in) | ß | |
| 350VXT150-18 | 57 | 0.0188 | 0.415 | 0.122 | 0.240 | 0.136 | 1.403 | 0.069 | 0.026 | 0.459 | 0.125 | 0.052 | 1.479 | 0.630 | 14.390 | 0.059 | -0.828 | 1.693 | 0.761 |

- 1. Section properties are in accordance with AISI S100-16.
- 2. Web depth for track sections is equeal to the nominal height plus 2 times the design thickness plus the bend radius.
- 3. For deflection calculations, use the effective moment of inertia







04-01-21 AT