



Expanding Your Solutions

**Corporate Headquarters**  
13191 Crossroads Pkwy N., Ste 325  
City of Industry, CA 91746  
Phone: 800.775.2362  
Fax: 626.330.7598

**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

## 400VXT150-18 VIPER-X INTERIOR TRACK

### Geometric Properties

4" 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) (in)	Coating <sup>4</sup>	Flange (in)
400VXT150-18	0.0188	0.0179	57	4	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

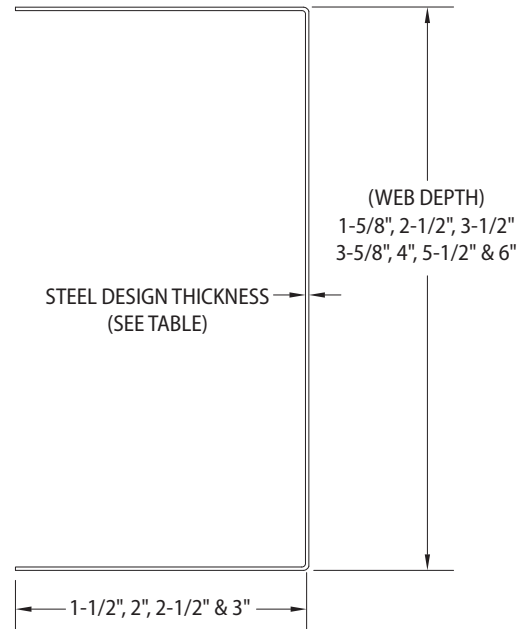
**LEED v4 for Building and Design Construction**

- 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

Member	Yield (ksi)	Design Thickness (in)	Gross Properties								Effective Properties				Torsional Properties				
			Weight (lb/ft)	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)	S <sub>y</sub> (in <sup>3</sup> )	I <sub>y</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xe</sub> (in <sup>4</sup> )	S <sub>xe</sub> (in <sup>3</sup> )	Ma (k-in)	Vag (k)	J (x10 <sup>-6</sup> ) (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	Ro (in)	β
400VXT150-18	57	0.0188	0.447	0.132	0.326	0.162	1.575	0.076	0.027	0.449	0.169	0.061	1.742	0.413	15.500	0.080	-0.783	1.816	0.814

**Notes:**

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

**Technical Services**

Technical Services: 800.416.2278  
Structural Engineering/Design: 925.473.9340  
www.cemcosteel.com



This technical information reflects the most current information available and supersedes any and all previous publications effective April 01, 2021.

04-01-21 AT