

#### **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

## 600VXT125-18 VIPER-X INTERIOR TRACK

## **Geometric Properties**

6" x 1-1/4" 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<br>Thickness<br>(in) | Minimum<br>Thickness<br>(in) | <b>Yield</b> (ksi) | Web Depth (W) | Coating <sup>4</sup> | Flange<br>(in) |  |
|--------------|-----------------------------|------------------------------|--------------------|---------------|----------------------|----------------|--|
| 600VXT125-18 | 0.0188                      | 0.0179                       | 57                 | 6             | G40                  | 1-1/4          |  |

#### 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.
- 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, 2021
- CBC: 2013, 2016, 2019
- AISI: S100, S220

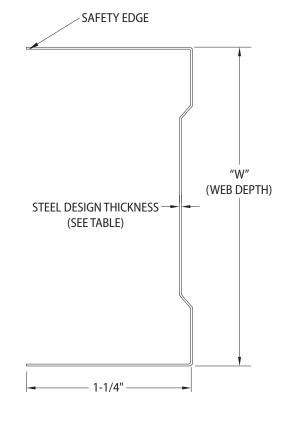
## **LEED v4 for Building and Design Construction**

- 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



# **Interior Non-Load Bearing Track Section Properties**

|              |                |                             | Gross Properties  |               |                                 |                 |            |             |                    | Ef         | fective l                 | Properti     | es           |            | Torsional Properties                             |                          |                |            |       |
|--------------|----------------|-----------------------------|-------------------|---------------|---------------------------------|-----------------|------------|-------------|--------------------|------------|---------------------------|--------------|--------------|------------|--|--------------------------|----------------|------------|-------|
| Member       | Yield<br>(ksi) | Design<br>Thickness<br>(in) | Weight<br>(lb/ft) | Area<br>(in²) | <b>lx</b><br>(in <sup>4</sup> ) | <b>Sx</b> (in³) | Rx<br>(in) | Sy<br>(in³) | <b>ly</b><br>(in³) | Ry<br>(in) | Ixe<br>(in <sup>4</sup> ) | Sxe<br>(in³) | Ma<br>(k-in) | Vag<br>(k) | <b>J</b> (x10 <sup>-6</sup> ) (in <sup>4</sup> ) | Cw<br>(in <sup>6</sup> ) | <b>Xo</b> (in) | Ro<br>(in) | ß     |
| 600VXT125-18 | 57             | 0.0188                      | 0.543             | 0.160         | 0.761                           | 0.253           | 2.183      | 0.078       | 0.017              | 0.327      | 0.402                     | 0.097        | 2.769        | 0.479      | 18.820   | 0.123                    | -0.479         | 2.259      | 0.955 |

- 1. Section properties are in accordance with AISI S100 & S220.
- 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.





