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162VT250-33 VIPERTRACK

Geometric Properties

1-5/8" 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 ^{3,4} | Web Depth (in) | Leg Size (in) | GAP ⁵ (in) | Load ⁵ (lb.) | Max Height ⁵ 5 psf, 16" o.c. |
|-------------|-----------------------|------------------------|-------------|------------------------|----------------|---------------|-----------------------|-------------------------|---|
| 162VT250-33 | 0.0346 | 0.0329 | 33 | G40 | 1-5/8 | 2-1/2 | -- | -- | -- |

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): 33 mil: White

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

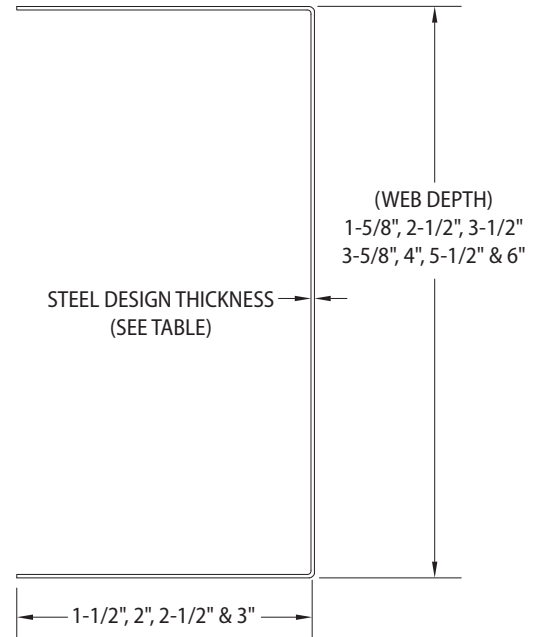
LEED v4 for Building and Design Construction

- 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 ²) | I _x (in ⁴) | S _x (in ³) | R _x (in) | I _y (in ⁴) | S _y (in ³) | R _y (in) | I _{xd} (in ⁴) | S _{xe} (in ³) | Ma (in-k) | X _o (in) | J _x 1000 (in ⁴) | C _w (in) | R _o (in) | β |
| 162VT250-33 | 2.50 | 0.78 | 0.0346 | 0.0329 | 33 | 0.230 | 0.145 | 0.163 | 0.796 | 0.155 | 0.100 | 0.821 | 0.088 | 0.066 | 1.31 | -2.04 | 0.0917 | 0.0890 | 2.34 | 0.239 |

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