

VertiTrack® VTD

Interior Head of Wall

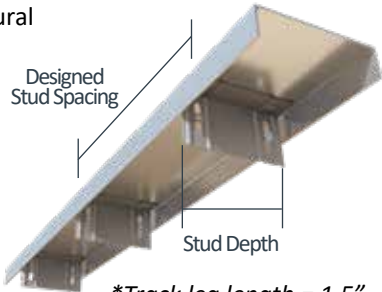
The Steel Network, Inc.
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Material Composition

Clip Material: ASTM A1003/A1003M Structural Grade 50 (340) Type H, ST50H (ST340H): 50ksi (340MPa) minimum yield strength, 65ksi (450MPa) minimum tensile strength, 33mil minimum thickness (20 gauge, 0.0346" design thickness) with ASTM A653/A653M G60 (Z180) hot dipped galvanized coating.

Track Material: ASTM A1003/A1003M Structural Grade 33 (230) Type H, ST33H (ST230H): 33ksi (230MPa) minimum yield strength, 45ksi (310MPa) minimum tensile strength, 33mil minimum thickness (20 gauge, 0.0346" design thickness) with ASTM A653/A653M G60 (Z180) hot dipped galvanized coating.



US Patents #5,467,566 & #5,906,080

The attachment of VertiTrack VTD to the primary structure may be made with PAFs or screw/bolt anchors and is dependent upon the base material (steel or concrete) and the design configuration.

VertiTrack VTD Allowable (Unfactored) Loads¹

VertiTrack® VTD, Recommended Allowable Load (lbs): F2 (VertiClip® SLD Loads)				
	F2 - Deflection Connection			
	VTD250	VTD362/400	VTD600	VTD800
Screw Patterns with #8 Screws	w/2 #8 screws	w/2 #8 screws	w/2 #8 screws	w/2 #8 screws
18mil (25ga), 33ksi Stud	132	132	132	132
27mil (22ga), 33ksi Stud	159	242	242	242
30mil (20ga-Drywall), 33ksi Stud	159	322	322	322
33mil (20ga-Structural), 33ksi Stud	159	328	328	328
33mil (20ga), 50ksi Stud	159	359	405	474
43mil (18ga), 33ksi Stud	159	359	405	488
43mil (18ga), 50ksi Stud	159	359	405	664
54mil (16ga), 33ksi Stud	159	359	405	664
54mil (16ga), 50ksi Stud	159	359	405	664
Maximum Allowable Clip Load	159	359	405	682

Load Direction



Notes:

1. VertiTrack VTD loads are the same as VertiClip SLD.
2. VertiTrack VTD is assembled with the VertiClip SLD pre-attached at 16" o.c. or 24" o.c.
3. VertiTrack VTD is designed to support horizontal loads, and should not be used in axial load-bearing walls.
4. Allowable loads have not been increased for wind, seismic, or other factors.
5. Strengthening ribs are present in 3-5/8" and 6" sizes.
6. #8 screws are provided with each step bushing for attachment to the stud web.
7. Fasten through each Verticlip SLD to structure.
8. Fasten within 3/4" of the angle heel (centerline of the 1-1/2" leg) to minimize eccentric load transfer.
9. Total vertical deflection of up to 1-1/2" (3/4" up and 3/4" down). Deflection requirements greater than 3/4" (up and down) are available. Custom spacing is also available.
10. For LRFD strengths contact TSN technical services.

Nomenclature

VertiTrack VTD is manufactured in 12 ft. lengths. VertiTrack is designated by type (VTD), followed by stud depth in inches multiplied by 100 and the stud spacing.

Example: 6" deep stud, 16" on center

Designate: VertiTrack® VTD600-16



UL®-Classified Head of Wall Assemblies

HW-D-0003, HW-D-0024, HW-D-0025, HW-D-0036, HW-D-0042, HW-D-0043, HW-D-0044, HW-D-0045, HW-D-0046, HW-D-0047, HW-D-0048, HW-D-0049, HW-D-0054, HW-D-0062, HW-D-0063, HW-D-0066, HW-D-0067, HW-D-0068, HW-D-0069, HW-D-0071, HW-D-0072, HW-D-0073, HW-D-0076, HW-D-0077, HW-D-0082, HW-D-0083, HW-D-0084, HW-D-0085, HW-D-0087, HW-D-0089, HW-D-0091, HW-D-0102, HW-D-0106, HW-D-0152, HW-D-0154, HW-D-0160, HW-D-0162, HW-D-0167, HW-D-0184, HW-D-0185, HW-D-0186, HW-D-0190, HW-D-0193, HW-D-0209, HW-D-0218, HW-D-0246, HW-D-0256, HW-D-0259, HW-D-0263, HW-D-0271, HW-D-0272, HW-D-0275, HW-D-0277, HW-D-0278, HW-D-0280, HW-D-0293, HW-D-0299, HW-D-0310, HW-D-0313, HW-D-0321, HW-D-0322, HW-D-0324, HW-D-0341, HW-D-0342, HW-D-0353, HW-D-0356, HW-D-0357, HW-D-0358, HW-D-0363, HW-D-0365, HW-D-0368, HW-D-0370, HW-D-0371, HW-D-0401, HW-D-0404, HW-D-0420, HW-D-0421, HW-D-0453, HW-D-0455, HW-D-0460, HW-D-0461, HW-D-0462, HW-D-0463, HW-D-0466, HW-D-0468, HW-D-0470, HW-D-0475, HW-D-0477, HW-D-0483, HW-D-0491, HW-D-0526, HW-D-0527, HW-D-0532, HW-D-0545, HW-D-0639, HW-D-0642, HW-D-0644, HW-D-0645, HW-D-0646, HW-D-0687, HW-D-0689, HW-D-0695, HW-D-0696



VertiClip SLD600

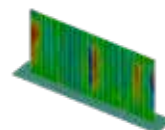
ICC-ESR-2049

www.icc-es.org



Meets criteria for New

York MEA 326-06-M



VertiClip SLD Series

Blast and Seismic Design Data

www.steelnetwork.com

**** For more information or to review a copy of each of these reports, please visit our website at <http://www.steelnetwork.com/light-steel-framing-design-resources>**