

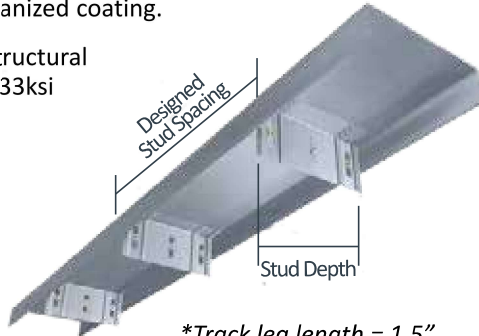
# VertiTrack® VTX

Exterior Head of Wall

### 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, 68mil minimum thickness (14 gauge, 0.0713" design thickness) with ASTM A653/A653M G90 (Z275) 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, 43mil minimum thickness (18 gauge, 0.0451" design thickness) with ASTM A653/A653M G60 (Z180) hot dipped galvanized coating.



\*Track leg length = 1.5".



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

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

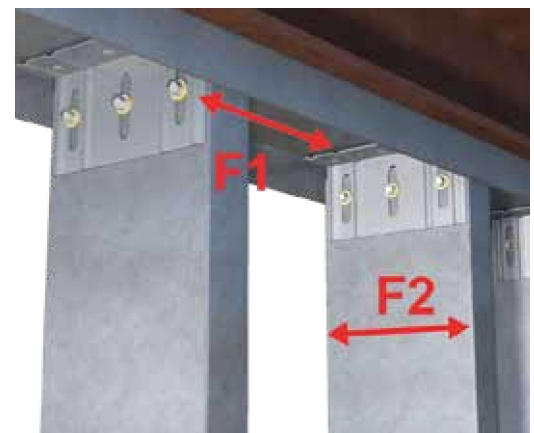
### VertiTrack VTX Allowable (Unfactored) Loads<sup>1</sup>

VertiTrack® VTX, Recommended Allowable Load (lbs): F1 & F2 (VertiClip® SL Loads)												
Screw Patterns with #12 Screws	F1 Load Direction						F2 Load Direction					
	VTX362	VTX400	VTX600		VTX800		VTX362	VTX400	VTX600		VTX800	
	w/2 #12 screws	w/2 #12 screws	w/2 #12 screws	w/3 #12 screws	w/2 #12 screws	w/3 #12 screws	w/2 #12 screws	w/2 #12 screws	w/2 #12 screws	w/3 #12 screws	w/2 #12 screws	w/3 #12 screws
33mil (20ga), 33ksi Stud	190	190	190	285	190	285	376	376	376	564	376	564
33mil (20ga), 50ksi Stud	248	199	276	368	276	362	544	544	544	816	544	816
43mil (18ga), 33ksi Stud	248	199	248	368	248	362	560	560	560	840	560	840
43mil (18ga), 50ksi Stud	248	199	358	368	358	362	787	810	810	1,215	810	1,215
54mil (16ga), 33ksi Stud	248	199	312	368	312	362	787	788	788	1,182	788	1,182
54mil (16ga), 50ksi Stud	248	199	368	368	362	362	787	1,136	1,138	1,680	1,138	1,707
68mil (14ga), 50ksi Stud	248	199	368	368	362	362	787	1,136	1,434	1,680	1,434	1,870
97mil (12ga), 50ksi Stud	248	199	368	368	362	362	787	1,136	1,434	1,680	1,434	1,870
<b>Max Allowable Clip Load</b>	<b>248</b>	<b>199</b>	<b>368</b>		<b>362</b>		<b>787</b>	<b>1,136</b>	<b>1,680</b>		<b>1,870</b>	

### Notes:

1. VertiTrack VTX loads are the same as VertiClip SL.
2. VertiTrack VTX is assembled with the VertiClip SL pre-attached at 16" o.c. or 24" o.c.
3. VertiTrack VTX 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. #12 screws are provided with each step bushing for attachment to the stud web.
7. Fasten through each Verticlip SL 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. Allowable load tables incorporate eccentric loading of fasteners. Values with welded connection may increase.
11. For LRFD strengths contact TSN technical services.

### Load Direction



**Nomenclature**

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

**Example:** 6" deep stud, 16" on center

**Designate:** VertiTrack® VTX600-16

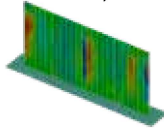


UL®-Classified Head of Wall Assemblies

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 SL362, SL600 & SL800  
 ICC-ESR-2049  
[www.icc-es.org](http://www.icc-es.org)



VertiClip SL Series  
 Blast and Seismic Design Data  
[www.steelnetwork.com](http://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>*