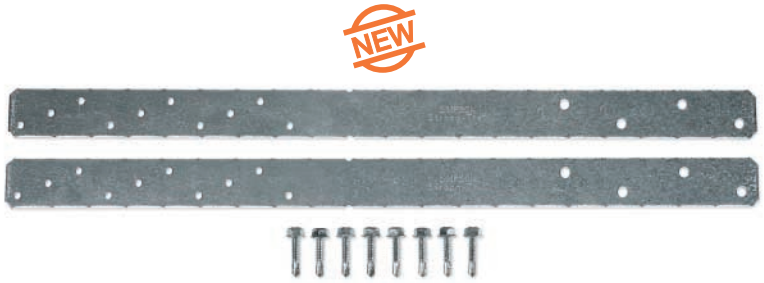
STEEL STRONG-WALL® SHEARWALLS *Portal Connection Kit*

The new Garage Portal Connection Kit improves the performance of standard Steel Strong-Wall® shearwalls in the garage portal application. By providing extra strength and rigidity at the connection between the shearwall and the header, the kit provides higher loads and reduced concrete anchorage requirements.

- Complete kit (model SSWP-KT) includes 2 straps and self-drilling fasteners to attach the strap to the shearwall. 10dx2½" nails for the strap-to-header connection not included
- Still uses standard Steel Strong-Wall anchor-bolt template

See our *Strong-Wall® Shearwalls* catalog for more information as well as new load values issued under the 2006 IRC/IBC, which meet the testing and evaluation requirements of the latest ICC-ES Acceptance Criteria (AC322).



SSWP-KT

VTCR *Single-Sided Valley Truss Clip*

The new VTCR is single-sided valley truss clip that provides a positive connection between the valley truss and the supporting framing below. Installed on top of the roof sheathing, it eliminates the need to add a support wedge under the valley truss or to bevel the bottom chord to match the roof pitch.

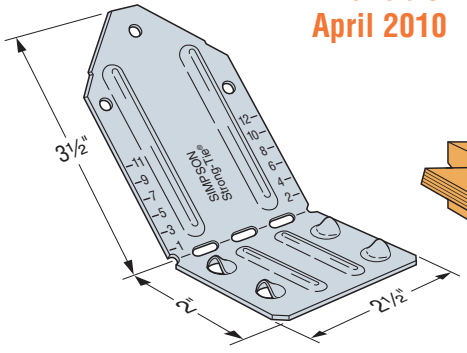
- Single-sided for new construction or retrofit applications – can be installed after the valley truss is set in place
- Accommodates pitches from 0:12 to 12:12
- Can be installed on either beveled or non-beveled bottom chords
- Uses fewer fasteners than our VTC2, which it will replace
- Installs with nails or Simpson Strong-Tie® Strong-Drive® SD structural-connector screws *(see page 8)* for higher loads

MATERIAL: 18 gauge **FINISH:** Galvanized

INSTALLATION:

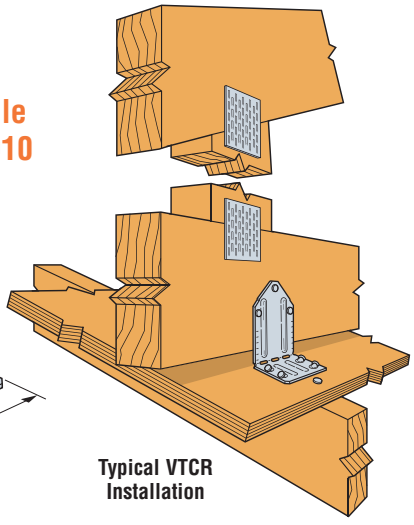
- The dome holes assist in installing the fasteners into the supporting framing at approximately 55°

Available April 2010



VTCR

U.S. Patent 6,840,020



Typical VTCR Installation

Model No.	Fasteners		Supporting Roof Pitch	DF/SP Allowable Loads		SPF/HF Allowable Loads	
	Supporting Framing	Valley Truss		Uplift[3] (160)	Download[5] (100/115/125/160)	Uplift[3] (160)	Download[6] (100/115/125/160)
VTCR	4-10d	3-10dx1½"	< 4:12	370	790	320	655
			4:12 to 12:12	370	790	320	655
	4-SD #9x2½"	3-SD #9x1½"	< 4:12	390	790	335	655
			4:12 to 12:12	500	790	430	655

1. Uplift loads have been increased 60% for wind or earthquake loading with no further increase allowed.
2. Loads are based on installation over 7/16" or 15/32" sheathing.
3. When attached directly to the supporting framing with either screws or nails, the allowable uplift for pitches less than 4:12 is 240 lbs. (DF/SP) and 205 lbs. (SPF/HF). For pitches 4:12 to 12:12, use the tabulated uplift loads.
4. Allowable uplift loads are based on the lower of the test loads at 3/16" deflection or the ultimate load divided by 3.
5. Southern pine allowable download is 750 lbs.
6. Hem fir allowable download is 625 lbs.
7. When the valley truss and supporting framing are of different species, use the lower tabulated values.
8. **NAILS:** 10d = 0.148" dia. x 3" long, 10dx1½ = 0.148" dia. x 1½" long.
9. **SCREWS:** SD #9x1½" *(model SD9112)* = 0.131" dia. x 1½" long, SD #9x2½" *(model SD9212)* = 0.131" dia. x 2½" long *(see page 8)*.