

# S/H1A Seismic & Hurricane Ties

S/H1A is designed to fit within several proprietary truss chords to provide uplift resistance.

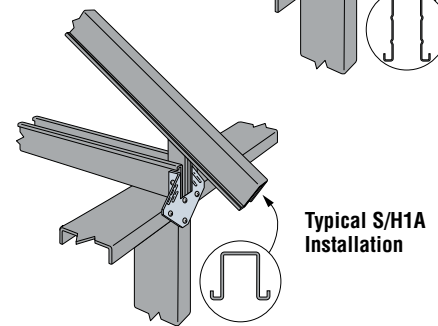
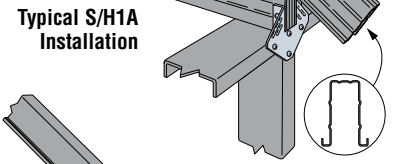
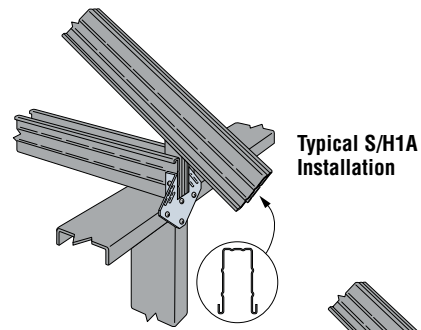
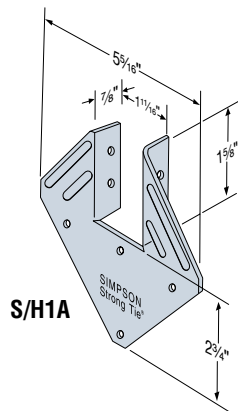
**MATERIAL:** 43 mil (18 ga)

**FINISH:** Galvanized

**INSTALLATION:** • Use all specified fasteners.

- S/H1A can be installed with flanges facing outwards, reverse of illustration, when installed inside a wall for truss applications.
- S/H1A does not replace solid blocking.
- S/H1A may be used with proprietary material sections. Contact material supplier for specific installation details.

**CODE:** See page 8 for Code Listing Key Chart.



Model No.	Fasteners			Truss Thickness <sup>2</sup> mil (ga)	Allowable Uplift Loads (100)			Code Ref.
	Truss	Top Track	Stud		Plate / Wall Stud Thickness mil (ga)			
					33 mil (20 ga)	43 mil (18 ga)	54 mil (16 ga)	
S/H1A	4- #10	3- #10	1- #10	27 (22 ga)	470	470	470	151
	4- #10	3- #10	1- #10	33 (20 ga)	510	550	690	
	4- #10	3- #10	1- #10	43 (18 ga)	510	550	690	
	4- #10	3- #10	1- #10	54 (16ga)	590	675	850	

1. Tabulated loads are governed by tests and may not be increased. Refer to page 12 for additional information.
2. Load based on truss steel properties of Fy=50 ksi and Fu=65 ksi. Reduce load direct proportionally for lower steel strength. For example: Truss with 43 mil (18 ga) thickness has a steel properties of Fy=33 ksi, Fu=45 ksi and is connected to 43 mil plate and wall stud. The adjusted allowable load = 550 lbs. x minimum [<sup>33/50</sup> or <sup>45/65</sup>] = 363 lbs.

Straps & Ties

# S/PSPN Protecting Shield Plate

S/PSPN58 and S/PSPN516 Protecting Shield Plate Fastener Stoppers meet IRC, IBC and the International Plumbing Code. S/PSPN516 meets the code plumbing protection requirements as well as having additional fasteners if the Designer chooses to use it as a track splice strap.

**MATERIAL:** 54 mil (16 ga)

**FINISH:** Galvanized, available in ZMAX®

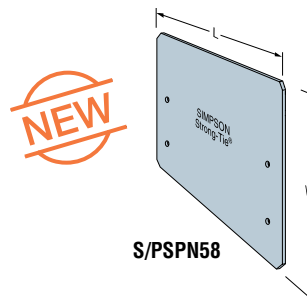
**INSTALLATION:** S/PSPN - #10 screws.

**CODES:** See page 8 for Code Listing Key Chart.

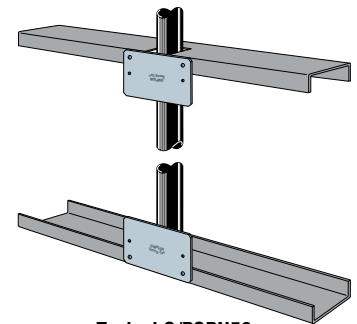
S/PSPN516 at top plates

- International Residential Code®- 2000/2003/2006 P2603.2.1
- International Plumbing Code - 2000/2003/2006 305.8 S/PSPN516 at bottom plate.
- International Plumbing Code - 2000/2003/2006 305.8 S/PSPN58 at top plates and bottom plate.
- International Plumbing Code - 2000/2003/2006 305.8
- International Residential Code®- 2000/2003/2006 P2603.2.1

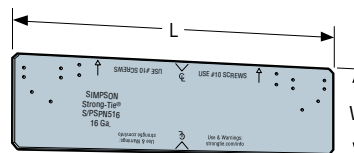
Note that the IBC section 2308.9.8 and the IRC section 602.6.1 require a 54 mil (16 ga.) strap with 6-16d nails and 8-16d nails respectively each side at a hole or notch in a wood top, sill or sole plate. The Designer or local building jurisdiction may permit an equivalent fastener strength (i.e. screws in lieu of nails) to be used for the same condition in a CFS top or bottom track.



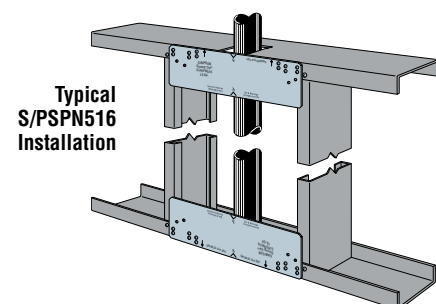
S/PSPN58



Typical S/PSPN58 Installation



S/PSPN516



Typical S/PSPN516 Installation

C-CFS08 ©2008 SIMPSON STRONG-TIE COMPANY INC.

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson for details.

Model No.	W	L	Code Ref.
S/PSPN58	5	8	190
S/PSPN516	5	16 <sup>5/16</sup>	

1. #10 self-tapping screws may be used to attach S/PSPN to CFS framing with quantity determined by Designer.