

Specialized product information

HPTZ Hurricane Tie

Designed exclusively for Hawaii homes

The Simpson Strong-Tie® HPTZ hurricane tie is the ideal solution for rafter-to-wall retrofits in Hawaii. The HPTZ is specially designed and tested for single-wall homes and to strengthen homes that were built without hurricane ties. The unique design of the HPTZ connects the wall to the rafter, avoiding interference from the blocking between rafters. The strengthened transition area of the HPTZ helps the structure resist high wind and allows the transfer of forces from the roof to the wall to help prevent damage. The HPTZ features a galvanized coating for corrosion resistance.



- Designed to meet the Hawaii Wind Resistive Devices (WRD) required minimum of 400 lb. of allowable uplift capacity per the state of Hawaii's 2006 loss mitigation program.
- Installs easily with Simpson Strong-Tie Strong-Drive® SD Connector screws (one HPTZ per connection, as shown) or with 0.148" x 1½" nails (two HPTZs per connection, as shown). Either HPTZ connection requires an additional ¼" x 1½" Simpson Strong-Tie Strong-Drive SDS Heavy-Duty Connector screw (SDS) at the trim board.
- Consult the *Homeowners Handbook to Prepare for Natural Hazards*, published by the University of Hawaii Sea Grant College Program for a step-by-step installation guide.



Typical HPTZ with SD10112 and SDS25112 installation.

Model No. ³	Qty.	Fasteners ^{6,7}			Allowable Uplift Loads (lb.) (160)
		Rafters or Truss	Wall	Trim Board ^{4,5}	Uplift
HPTZ	1	(4) SD10112	(4) SD10112	(1) SDS25112	400
HPTZ ²	2	(8) N10	(8) N10	(1) SDS25112	470
H3Z	1	(4) N8	(4) N8	(1) SDS25112	400
H3Z	1	(4) SD9112	(4) SD9112	(1) SDS25112	400
H3SS	1	(4) SSNA8	(4) SSNA8	(1) SDS25112SS	400
H3SS	1	(4) SD9112SS	(4) SD9112SS	(1) SDS25112SS	400

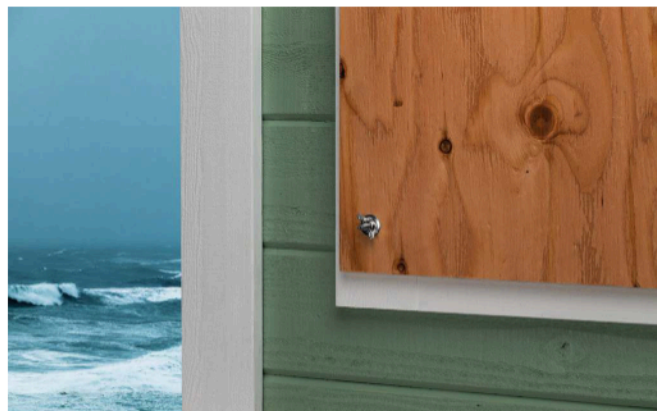
- Loads have been increased 60% for earthquake or wind load, with no further increase allowed; reduce where other loads govern.
- In the nailed application, two HPTZs must be used to achieve the listed allowable load (only one is shown in the Installation image).
- Parts are shipped in equal quantities of lefts and rights.
- A Strong-Drive screw is required at each connection to fasten the trim board to the wall board to transfer load to the exterior sheathing when installing on single-wall construction.
- Maximum trim board thickness for these installations is ¾". For greater thickness, use longer Strong-Drive screws, available in 2", 2½" and 3" lengths.
- Nails:** N10 = 10d x 1½" = 0.148" dia. x 1½" long, hot-dip galvanized. N8 = 8d x 1½" = 0.131" dia. x 1½" long, hot-dip galvanized. SSNA8 is 8d x 1½" stainless-steel annular-ring shank = 0.131" dia. x 1½" long.
- Screws:** SD10112 is Strong-Drive SD Connector screw #10 screw x 1½" = 0.164" dia. x 1½" long. SDS25112 is Strong-Drive SDS Heavy-Duty Connector screw ¼" x 1½" = 0.250" dia. x 1½" long. SDS25112SS is Strong-Drive SDS Heavy-Duty Connector screw ¼" x 1½" stainless steel = 0.250" dia. x 1½" long. SD9112 is Strong-Drive SD Connector screw #9 x 1½" = 0.131" dia. x 1½" long. SD9112SS is Strong-Drive SD Connector screw #9 x 1½" stainless steel = 0.131" dia. x 1½" long.
- For additional information on H3Z and H3SS, refer to the current Simpson Strong-Tie Wood Construction Connectors catalog or visit strongtie.com.

SPS Storm-Panel Screw

This screw is ideal for attaching storm panels to wood, concrete and masonry. Each pack includes stainless-steel screws, zinc die-cast washered wing nuts, a hex driver bit, a 0.234" drill bit and white plastic caps for thread protection.

Features

- Save time and money with a single installation.
- The screw is made of Type 302 stainless steel for corrosion resistance.
- Meets IRC® and IBC® (2018, 2021) for storm-panel attachment to wood and concrete structural systems.
- For spacing requirements, refer to Section 1609 of Chapter #16 of 2018 IBC, 2021 IBC Wind Debris section.
- Visit strongtie.com/sp for a step-by-step installation guide.



Storm-Panel Screw Pack

Size (in.)	Length (in.)	Model No.
¼	3⅞	SPS25344-KT