



SkyLiftHardware.com

# Designer Riser™ Installation Instructions

PATENT PENDING

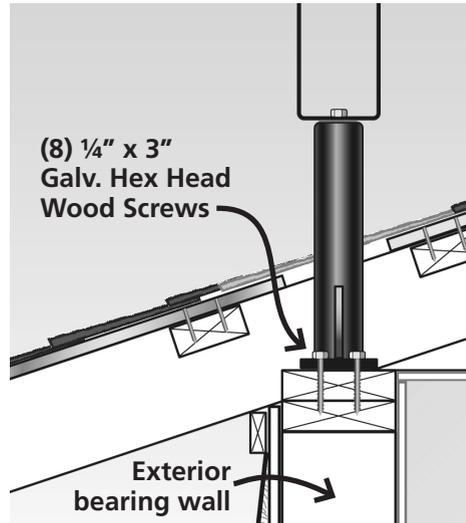
## PARTS LIST:

- (1) 12" Designer Riser, black
- (1) Saddle
- (1) Rubber Washer and (1) 1/2" x 1" Bolt
- (16) 1/4" x 3" Galv. Hex Head Wood Screws
- (4) Simpson SDS Strong Tie 1/4" x 3" T-40 Torx® Screws
- (1) Torx® Bit
- (4) Simpson Outdoor Accents Hex Head Washers



**1** Determine approximate positioning or layout of all SkyLift roof riser brackets prior to cutting any access holes. SkyLift positioning must be directly over exterior load bearing walls.

**2** Carefully remove roofing materials and save for reinstall.



**3** Cut an access hole through the roof directly over the exterior bearing wall. (Save this material; you will use this to re-seal the access. Set saw depth to avoid concealed items. Size of access holes may vary; recommended access hole size: 12" x 12".) If unfavorable conditions are discovered, reposition the riser base location. **Do not cut any roof trusses or rafters.**

**4** Insert the SkyLift Roof Riser section through the access hole and attach to the exterior wall top plate using (8) 1/4" x 3" Simpson Strong Tie SDS screws (included). **Do not substitute fasteners.** If the SkyLift column does not extend above the roofline, you may need to purchase a different SkyLift product, and/or consider using blocking on top of the wall framing to raise the SkyLift base elevation. Use appropriate blocking and fasteners, extending from rafter to rafter, for this method of raising the Riser height.



**5** Install backing and blocking under the edges of the opening. Use the saved plywood piece that was removed in step #3, then cut or drill a hole for the Riser. Secure the plywood piece to the blocking underneath.

**6** **OPTIONAL:** For extra lateral stability, now install the optional SkyLift Lateral Stabilizing Strap around the riser and secure to the plywood. (See separate instructions provided with the Lateral Stabilizing Strap.)

**7** Install the pipe flashing by working the flexible boot over the Riser column. Follow manufacturer's instructions on securing the flashing to the roof. Reinstall the saved roofing material (removed in step #2) around the flashing.

**8** Place the rubber washer (included) over the top of the SkyLift Riser column between the Saddle and the SkyLift Riser column.



**9** Place the Saddle over the rubber washer and the Riser column. Use the short ½" x 1" bolt (included) to attach the Saddle to the riser. Tighten with a ¾" combination box wrench.



**BEAM**



**VERTICAL POST**



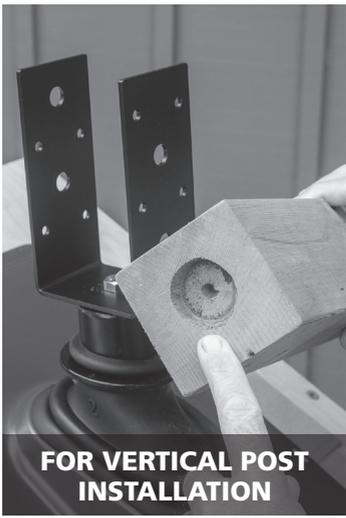
**BEAM WITH SPACER BLOCK**



**FOR BEAM INSTALLATION**

**10** Depending on the patio cover design and the engineered requirements, select from one of three different procedures for installing the structural member into the Saddle.

**11** Drill a 1-½" dia. hole on the bottom of the leg on the beam so that the beam seats over the bolt head used to secure the Saddle. Secure with (4) Decorative Nuts and Structural Screws and with (8) Simpson Strong Tie SDS screws (included). **Do not substitute fasteners!**



**FOR VERTICAL POST INSTALLATION**

**12** Use a **wood post** for your upright support, cut to the desired height. **Do NOT exceed 24" for the wood post height.** On the bottom of the post, drill a 1-½" dia. hole so that the post seats over the bolt head used to secure the Saddle.



**13** Seat the **vertical wood post** to the SkyLift Saddle and secure with (4) Decorative Nuts and Structural Screws (included). **Do not substitute fasteners!**

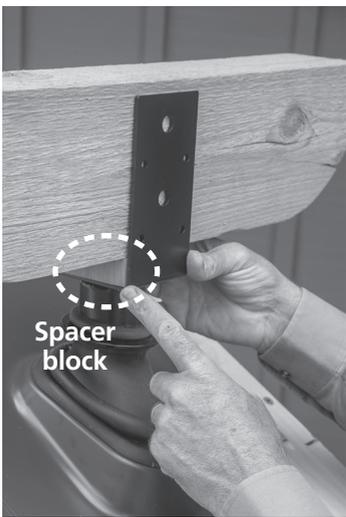


**14** Secure with (8) Simpson Strong Tie SDS screws. **Do not substitute fasteners!**



**FOR BEAM WITH SPACER BLOCK INSTALLATION**

**15** The vertical legs on the Saddle are 6" long, so a ¾" thick spacer block is required under 6" high wood beam. Drill a 1-½" dia. hole in the bottom of the spacer block.

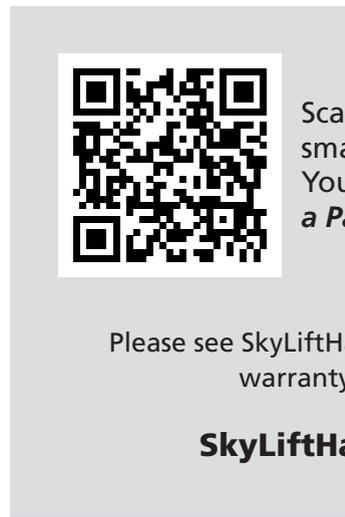


**Spacer block**

**16** Place the spacer block over the bolt head used to secure the Saddle. Then position the wood beam into the Saddle and on top of the spacer block.



**17** Secure with (4) Decorative Nuts and Structural Screws (included) and with (8) Simpson Strong Tie SDS screws (included). **Do not substitute fasteners!**



**18** Now attach supporting beams and framing according to your engineered project design. Care should always be taken to follow applicable building codes, and regional conditions such as wind and snow loads. **SkyLift Roof Riser Hardware and Sage Bracket Solutions, LLC makes no warranty or representations for project development, finish product design or installation methods.**



Scan this QR code with your smart phone to view our YouTube video *How to Build a Patio Cover Using SkyLift.*

Please see [SkyLiftHardware.com](http://SkyLiftHardware.com) for limited warranty information.

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