Look for this sticker on hardware bags

FLIGHT

VIEWRAIL

Straight Wall to Wall Stringer Installation Guide

Tools Needed from the Installation Kit

Torque Wrench

1/2" to 3/8" Reducer

3/4" Socket

5/16" Hex Bit Socket

5/16" Hanger Bolt Driver

T-10 & T-30 Torx Bits

ThreadLocker

Other Tools and Supplies Not Included in the Installation Kit

- Drill/Hammer Drill
- Impact Driver/Socket Wrench
- Pencil
- Level
- T-Square
- 3/8" Wood Drill Bit *(Wood Install Only)*
- 9/16" Concrete Drill Bit *(Concrete Install Only)*
- 11/16" Forstner Bit *(Wood Install Only)*
- Wood Glue
- Concrete Epoxy *(Concrete Install Only)*
- Silicone Sealant

Things to Know Before You Get Started

- Read over the provided material prior to the start of your installation
- Ensure to apply the supplied Threadlocker to all mechanical connections

YouTube

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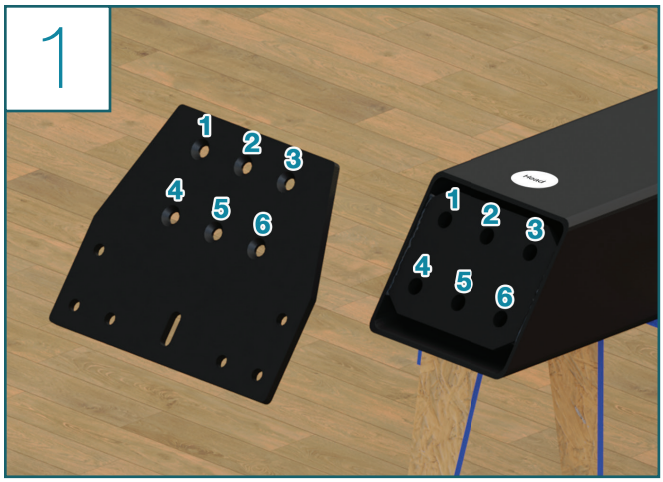
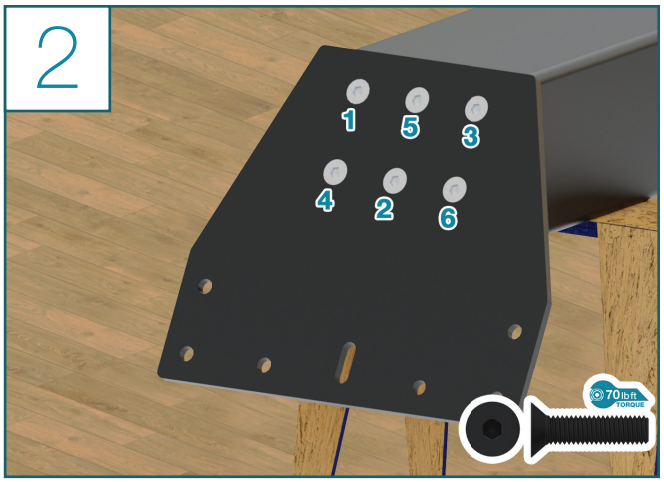
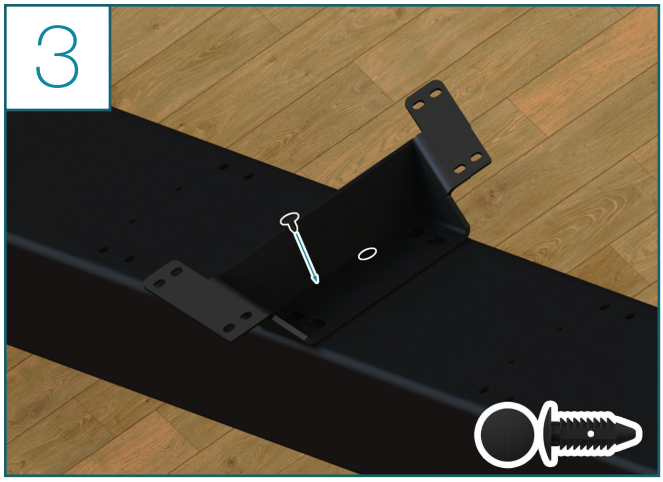
Straight Wall to Wall Stringer Installation Steps



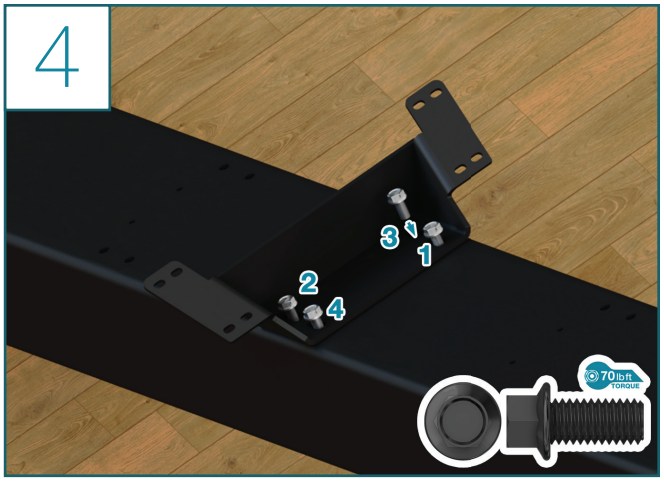
- Noting the “Head” sticker, match the beveled Header Plate holes to the Stringer holes
- Repeat Step 2 for the Header Plate Bolts



- Use the ½" x 2" Flathead Bolts to attach the floor plate to the stringer
- Torque to 70 lb-ft



- Place all tread brackets on the stringer
- Insert locator pins to hold the tread brackets in place



- Thread the ½" x 1" flange bolts through the tread bracket and into the stringer in the marked order, so they are finger tight
- Torque to 70 lb-ft

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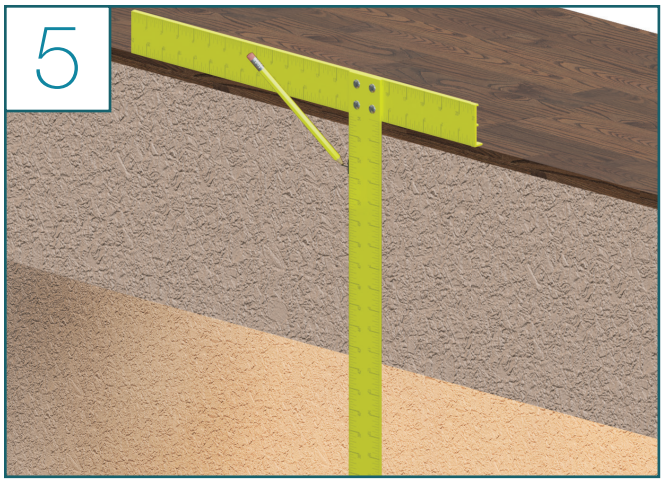
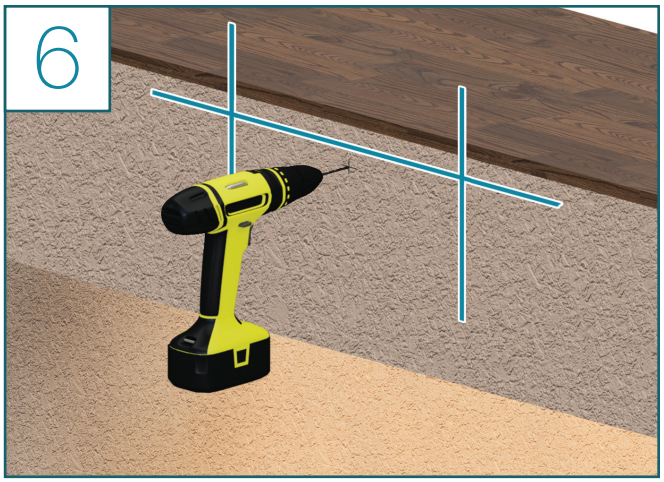
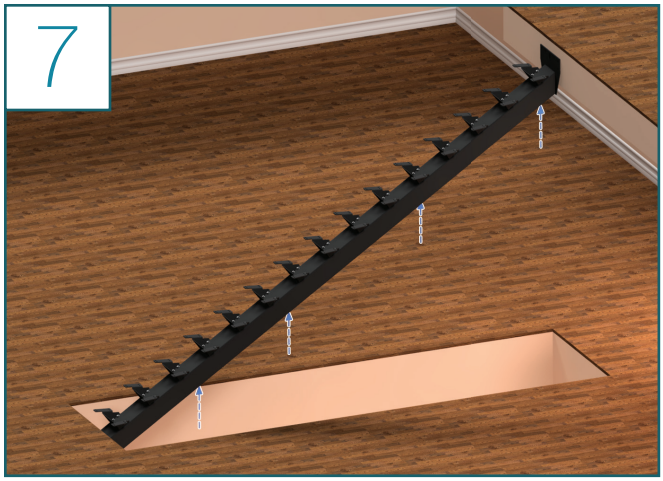
Straight Wall to Wall Stringer Installation Steps (Continued)



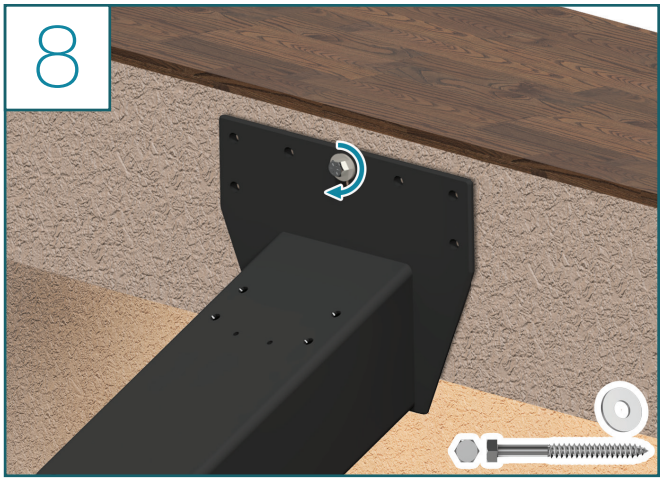
- Use the provided drawing(s) to mark the header plate dimensions
- At this point, mark a predrill location for the slotted hole in your header plate



- Predrill with a 3/8" drill bit



- Lift the stringer into place, lining up the hole
- We recommend using either a pulley system or a Come Along Winch and brace material to hold the stringer in place while fastening



- Fasten the 1/2" x 3 1/2" Hex Lag through the middle slotted hole in the header plate to hold the stringer in place

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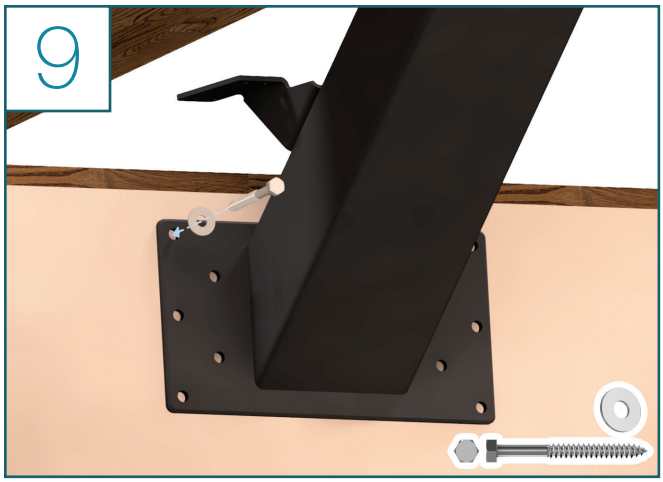
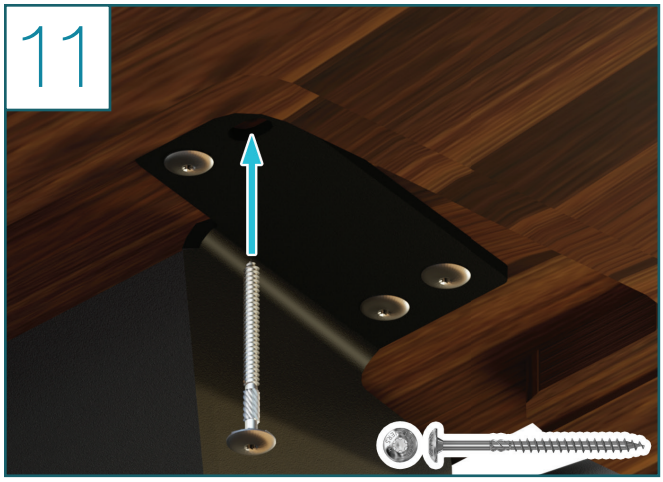


- Fasten the 1/2" x 3 1/2" Hex Lag through one of the upper corner holes in the foot plate to hold the stringer in place

It is important to ensure the single lag is very secure. Do not attempt to walk on the stringer with so few connections. This is just to allow for adjustments to be made to the stringer when you get to Step 12.

- Place a single tread on to one of the tread brackets about half-way up the stringer



- Using the 5/16" x 2 1/2" RSS Screws, attach the tread to the tread bracket
- During this step, alternate sides of the bracket when fastening screws. This will prevent the tread from pulling unevenly

- Ensure the tread is level on the tread bracket both front to back and left to right

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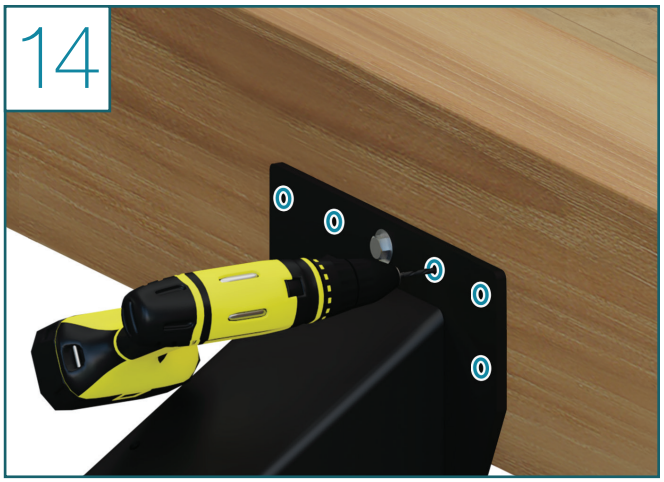
Straight Wall to Wall Stringer Installation Steps (Continued)

- If not level left to right, shim the header plate to adjust
- If not level front to back, shim the footer plate to adjust
- Cut the excess shim away



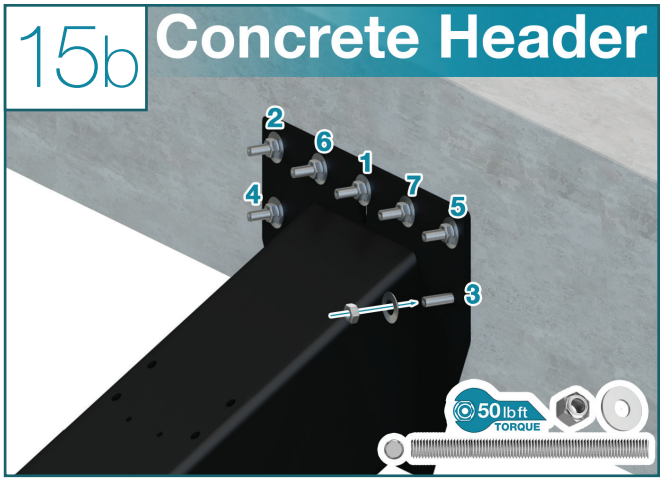
- At this point you can predrill all your header and footer plate holes

Through Bolt

- Predrill utilizing a 1/2” drill bit

Lag Bolt

- Predrill utilizing a 3/8” drill bit



Stringer Header Mount (2 mounting styles)

Through Bolt

- Thread the ½” x 8” hex head bolts into place, so they are finger tight
- Torque to 70 lb-ft

Lag Bolt

- Thread the ½” x 5” head lags into place
- Refer to the recommendation of the brand of epoxy you are using and predrill the correct sized holes for these ½” threaded studs
- Apply concrete epoxy in to the holes
- Insert the threaded studs into each hole
- Allow for the appropriate amount of curing time, for the epoxy, based off of the manufactured recommendations

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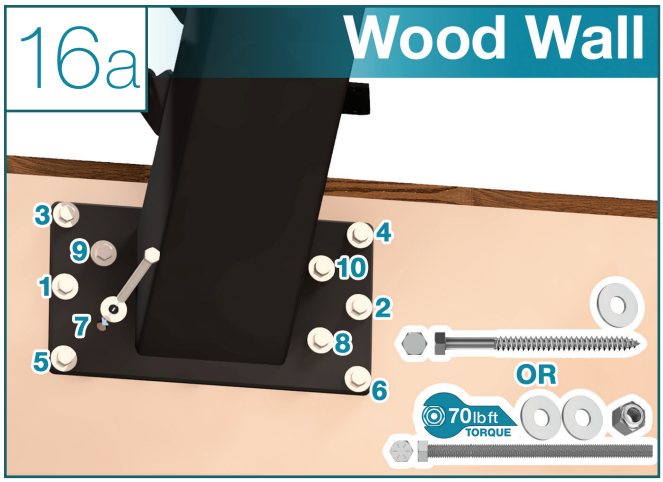

Stringer Footer Mount (2 mounting styles)

Through Bolt

- Thread the ½" x 8" hex head bolts into place, so they are finger tight
- Torque to 70 lb-ft

Lag Bolt

- Thread the ½" x 5" head lags into place

- Refer to the recommendation of the brand of epoxy you are using and predrill the correct sized holes for these ½" threaded studs
- Apply concrete epoxy in to the holes
- Insert the threaded studs into each hole
- Torque to 50 lb-ft

- Using the 5/16" x 2½" hanger bolts, populate the first tread holes

- Mount the first tread on to its tread plate
- The first tread mounts differently to the tread bracket than the rest of the treads

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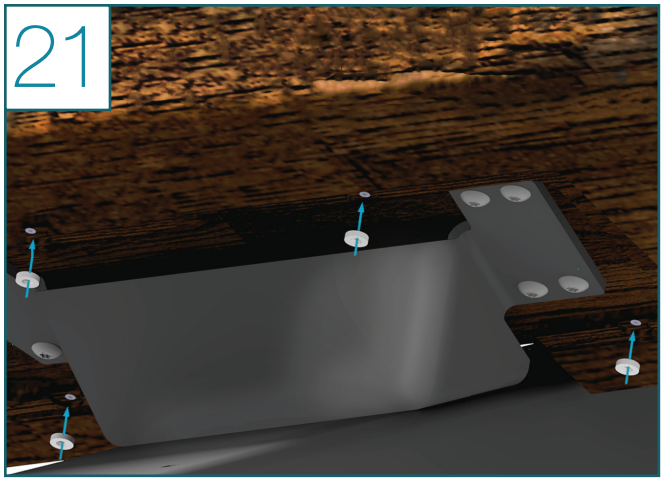
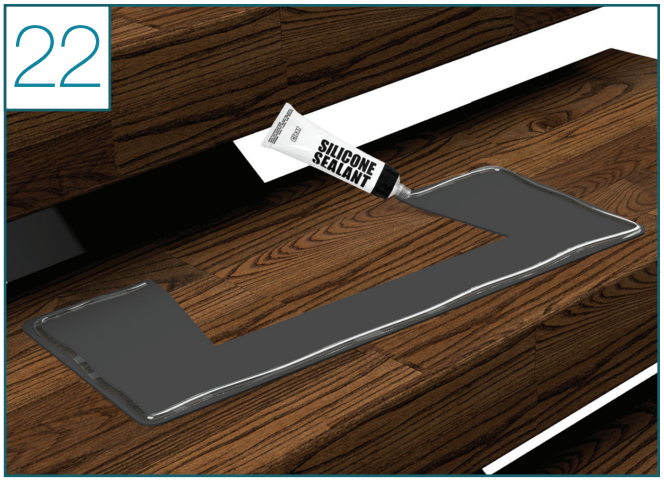
- Using a nut, tighten the tread to the tread bracket

- Repeat Steps 10-12 to fasten the remaining treads, one at a time, onto the tread brackets



- Once your treads are in place, locate the tread bracket cover magnets and place all 4 magnets on the head of the magnet screws which are already factory installed (LED Treads will have 8 magnets)
  Note: The magnets are strong enough to stick to the head of the screw and hold the tread bracket cover while the silicon (next step) dries.
- The first tread will not typically receive a bracket cover and will not have the additional routing



- Next find your tread bracket covers and lay them out.
- Locate and prep your silicone tube
- Run a bead of silicone around the edge of the tread cover, or the edge of the routed section on the tread, whichever you prefer

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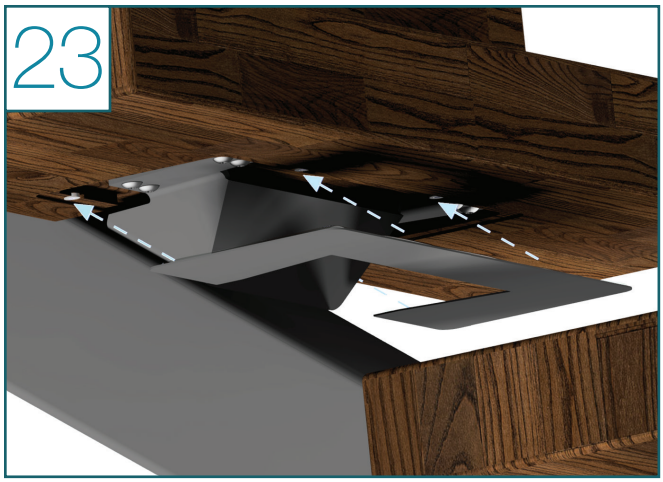

- Set the bracket cover in place. The magnets in the treads will hold the cover tightly, and the silicone will prevent rattling and create a tight fit
- Wipe off any excess silicone that might squeeze out

Congratulations!
You're done with this section.

We'd love to see your work! Snap a few pics with your phone and send them to pictures@viewrail.com. Thanks for choosing Viewrail. Enjoy your new installation!

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