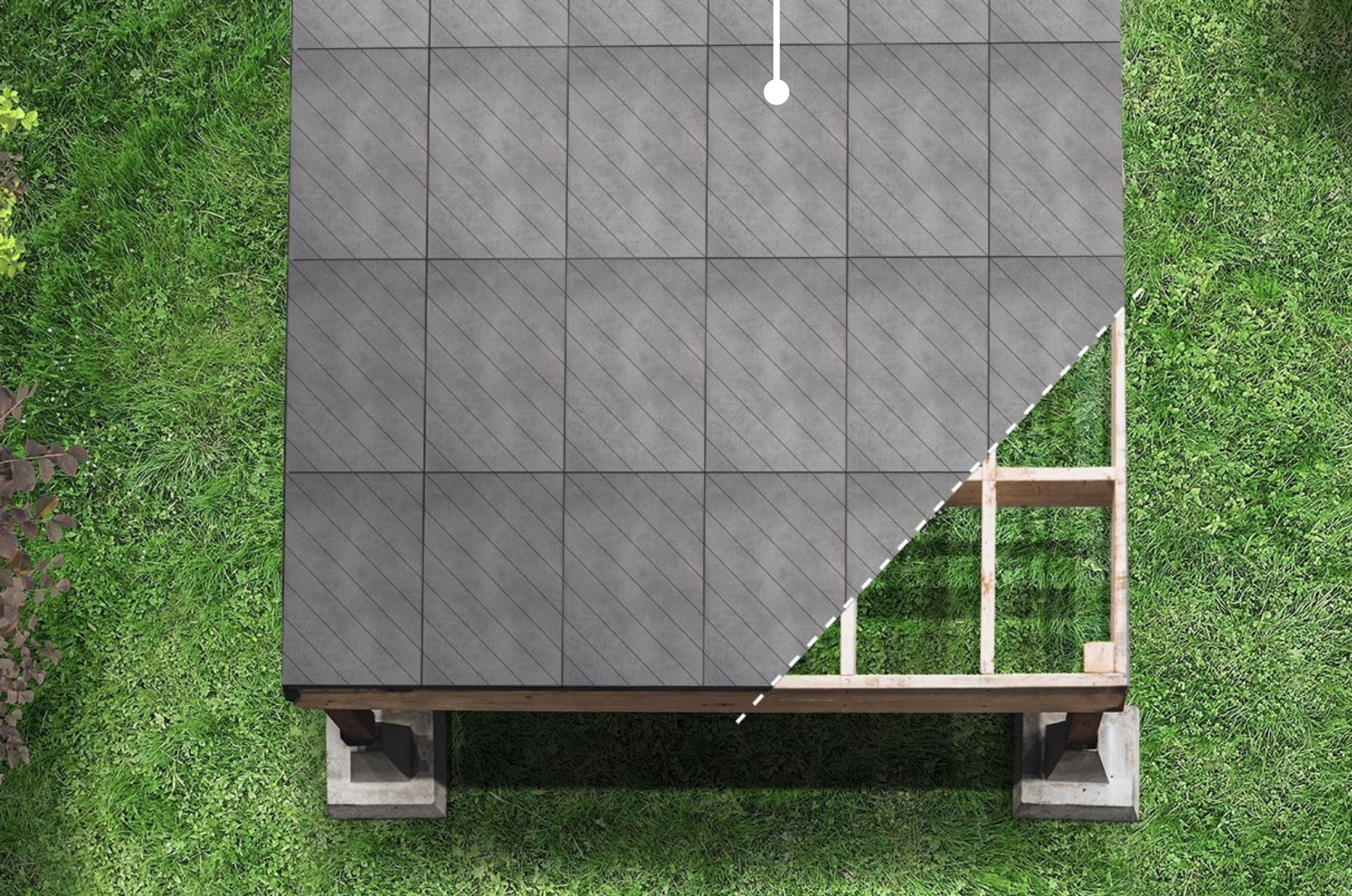


INSTALLATION BELVEDERE





Installs directly on the joists of existing and/or new wood structures.
Be sure to build your deck according to building codes. Use this photo as a guide only.

Learn more about slabs : <https://www.patiodrummond.com/en/store/landscaping/concrete-slabs/belvedere-concrete-slabs/>

1

PRÉPARATION WHAT YOU'LL NEED

THE ESSENTIAL

- Level
- Construction adhesive (PL)
- Shim shingles
- Optional: Joist protection tape
- Tape measure
- Sharpie and/or pencil

THINK ABOUT YOUR SAFETY

- Blade knife
- Safety goggles
- Gloves
- Drill + wood screws (ramps)
- Railings (depending on project)



"Restisto tape"

Patio Drummond recommends the use of joist protection tape. This tape helps protect and extend the life of your patio.



Shims

Slabs may have irregularities (in millimeters) in their thickness. You need to level your slabs with shims. The Belvedere slab actually measures 15 7/8" x 23 3/4". Use a shim to create a 1/8" gap across the width of the slab for best results.

2

PRÉPARATION SURFACE TO BE COVERED

Slab is installed on wood joists (2" x 10')

Renovating an existing structure:

You'll need to remove any wooden planks screwed or nailed to your patio joists.

You are building a structure to accommodate the Belvedere slab:

Rely on construction standards. It's essential that your joists be installed at 16" centers (more on this later). We invite you to consult this website for more information on patio construction: <https://bit.ly/construire-terrasse>

PREPARATION MEASURE ALL JOISTS

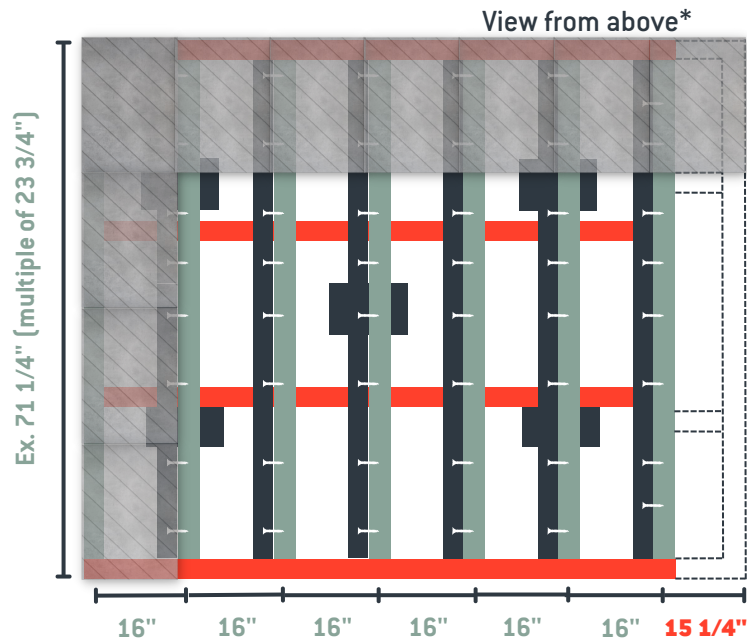
Option 1: the tiles will be "flush" with your deck

According to construction standards for elevated decks, your joists should be laid out to measure 16" on center.

If you lay your slabs in line with the side of your deck, given that the slab is 15 1/4" wide, you'll need to blow (or add reinforcement) to your joists so that the slab is supported everywhere.

This will result in a better finish, and all slabs will be supported on the next joist.

The total length of your patio should be a multiple of 23 3/4". It's important to allow for this by measuring the outside of the joists.



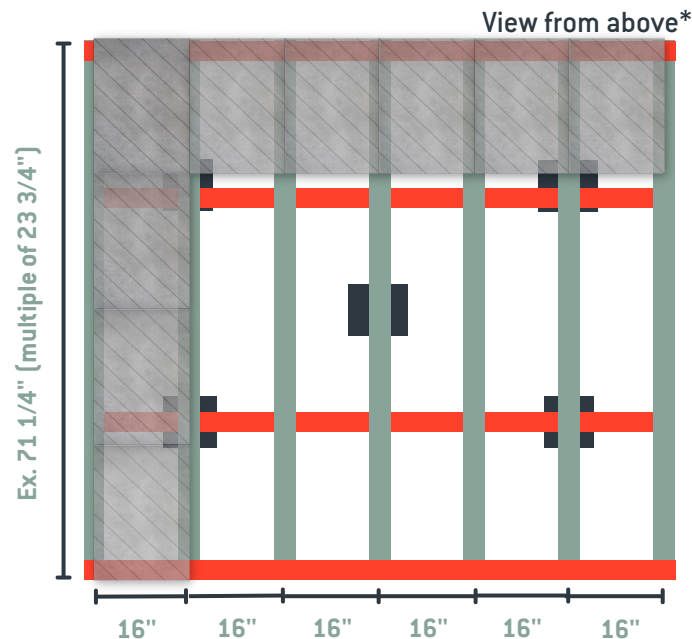
Option 2: slabs at 16" center

According to construction standards for raised decks, your joists should be laid at 16" centers.

If you install your slabs at 16" centers, given that the slab is 15 1/4" wide, you won't need to blow (i.e. add reinforcement) to your joists all along your deck so that the slab is supported everywhere.

Note that your deck may have irregularities and you may still need to blow in a few places.

The slab does not measure exactly 16" x 24". You'll need to use a shingle wedge to create and maintain a constant spacing between Belvedere slabs for best results.



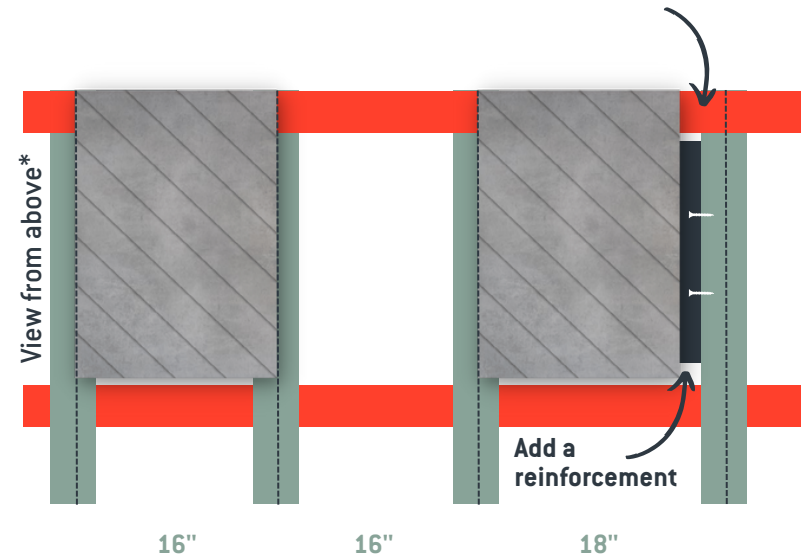
4

PREPARATION VERIFICATION

Check if everything works!

The best test is to try it for real! Take a slab and check that it's supported all along its length.

If your joists aren't positioned at the 16" centerline, add bracing by screwing them onto the joists so that the slabs find support along the length.



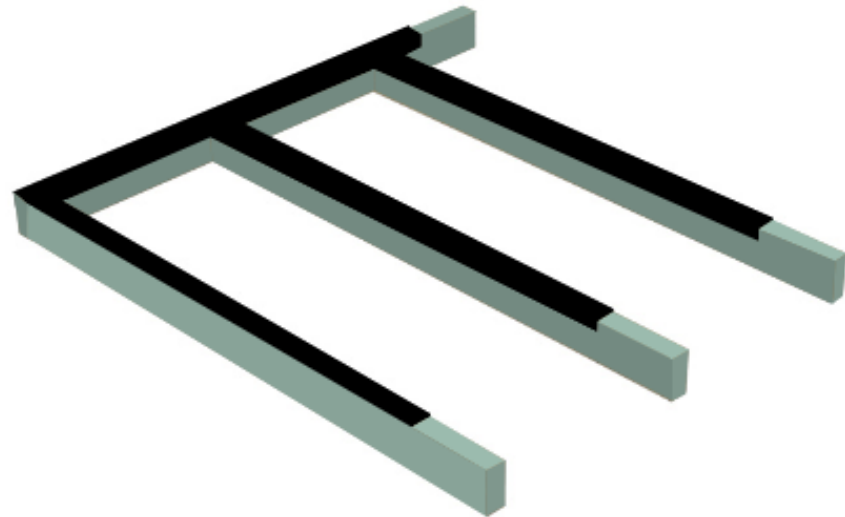
5

INSTALLATION JOIST PROTECTION TAPE

Optional, but recommended

Tape protects joists

All you have to do is apply the protective tape to all the joists in your deck. Sticky side down (on the joist).



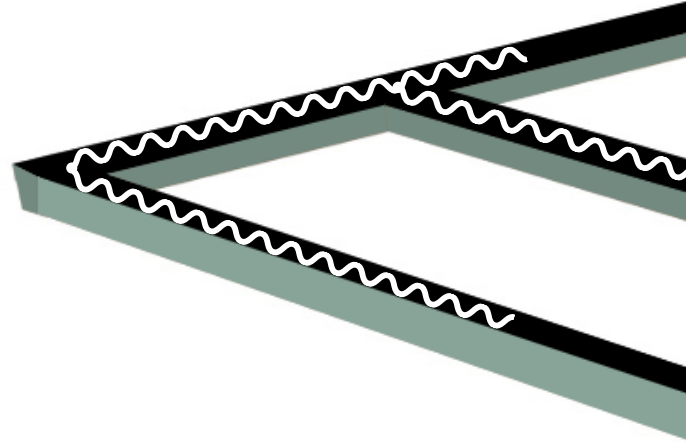
6

INSTALLATION GLUE

Construction glue

Make coils of glue ON the protective tape. We recommend applying glue to 1 tile at a time.

For a 10' x 10' deck, you'll need about 10 tubes of construction glue.



7

INSTALLATION SLAB

It's the slabs turn

FINALLY! Time to add a tile. We recommend going one slab at a time. This will allow you to align and level them using shims. Don't forget that shims also allow you to create spacing between slabs.



INSTALLATION LEVEL THE SLAB

For the most professional results

Use wedging shingles to level your slabs after each installation and to create and maintain a constant space between the slabs for the most professional result.



8

9

INSTALLATION HANDRAILS – DO-IT-YOURSELF BEGINNER

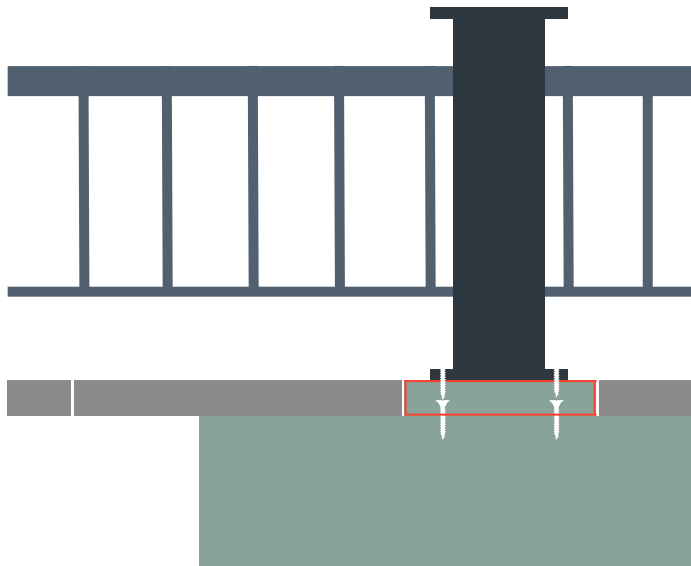
Option #1: External screw-on ramp

Make sure the side of the slab is flush with the joist.

Use #8 (3") wood screws to screw the railing into the wood joist.



Side view - external joist*



Side view - external joist*

INSTALLATION RAILINGS – ORIGINAL BUILDER

9

Option #3: Ramp screwed into an insert

You may have wood inserts, between the slabs, in the design of your deck.

If so, proceed in exactly the same way as for a conventional wood deck, using #8 (3") wood screws.

INSTALLATION HANDRAILS – ADVANCED HANDYMEN

9

Option #3: Ramp screwed into concrete slab

Mark screw holes

Place the ramp on the slab and mark the holes to be screwed into the slab with a pencil. Make holes in the slab, where the ramp screws will fit, with a 3/8 (or 1/2) concrete bit.

Do not drill the slabs within 2" of the edge of the slab. Drilling into the slabs may result in cracking due to the presence of larger stone aggregate. Plan to buy 10% more slabs for your project.

Check wood anchoring

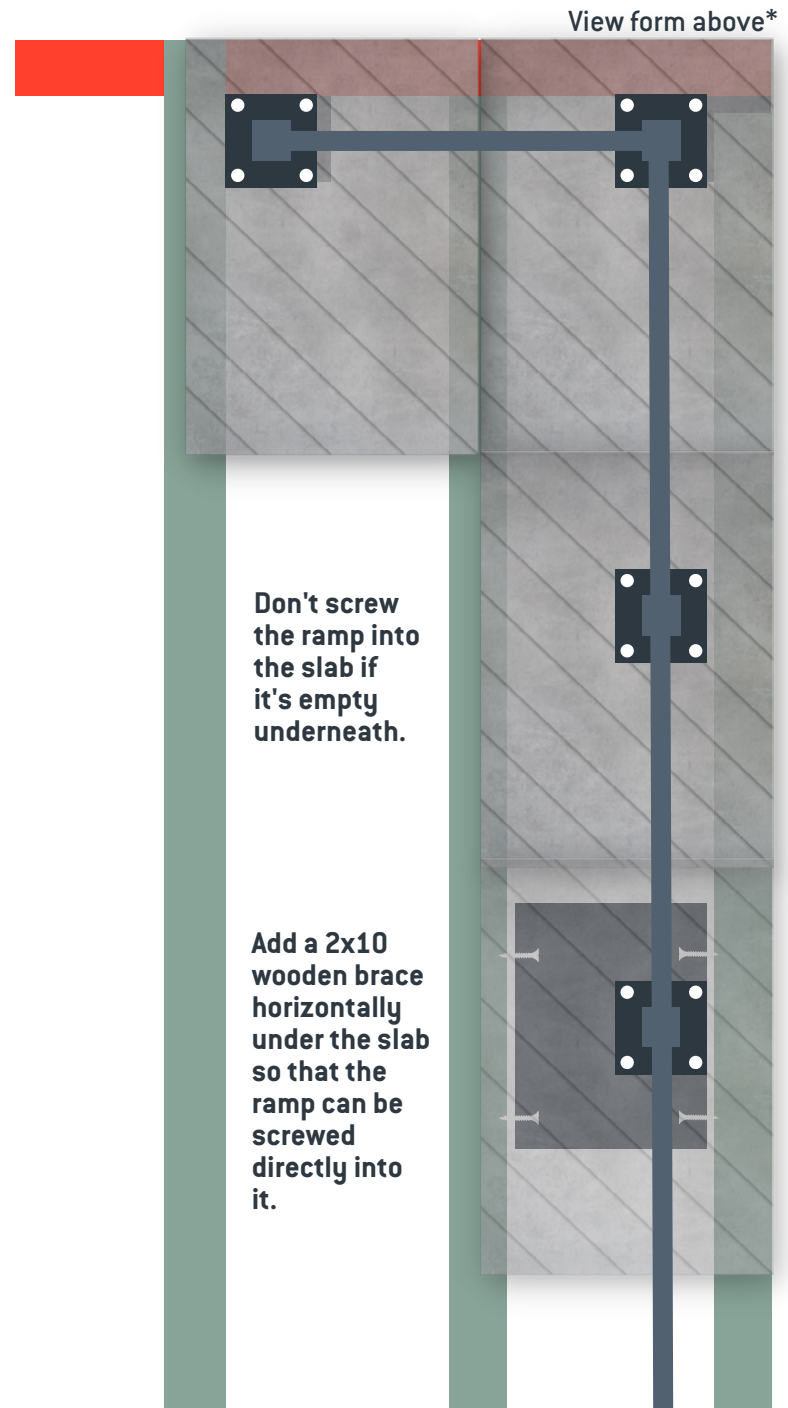
When positioning the railing, if it is not directly anchored in the structure, you'll need to add a wood reinforcement. To anchor the screws and ensure solid installation of the ramp, you'll need to screw a wood reinforcement into the joists.

You can use a 2x10 shank!

Screw the ramp into the concrete slab

Screw the handrail into the slab, all the way into the wooden structure or reinforcement, using #8 (3") wood screws.

IMPORTANT: Screws must be inserted without resistance into the concrete slab and anchored in the wood.



INSTALLATION STAIRS

Yes, it is possible to install staircases

We recommend that you install staircases that match your handrails.

This means stairs in treated wood, aluminum or other materials!

We don't recommend using Belvedere slabs to make steps for the sole reason that standard stringers are not designed to accommodate our slabs!

Photo PS Aluminium





QUESTIONS?
WE ARE HERE
FOR YOU!

info@patiodrummond.com

