

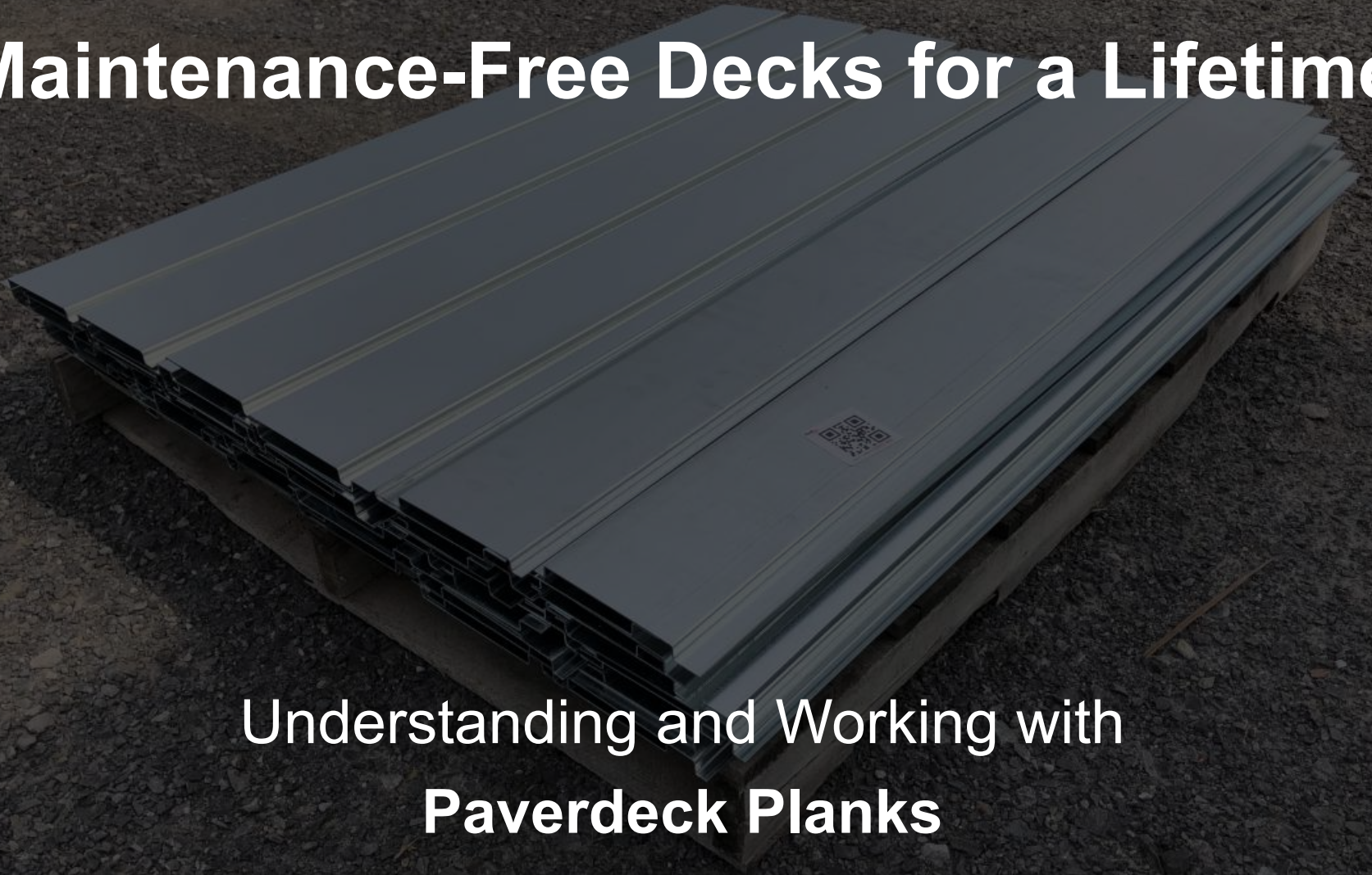
Welcome to the Stone Deck Revolution

PAVERDECK
**PLANK**

 **STONEDECK**TM

INNOVATIONS

Maintenance-Free Decks for a Lifetime



Understanding and Working with
Paverdeck Planks

Paverdeck Plank Components & Accessories



Hilti Lintel Fastener



Tiledeck Screws



A solid foundation is key for your **Paverdeck Plank Deck**

Using galvanized screw piles provide a solid foundation with certified engineering



U Saddle plates are used for easy installation of beams



Engineering certificate supplied by screw pile installer upon request

Transforming an existing deck

Should extra footing supports be required, installation can be quick and easy with no excavation or extra demolition required



Installation & photo supplied by



A lintel may be used if required

4" x 4" x 1/4" steel lintel (size accordingly)
is attached to the foundation



Lintel attached every 12" using
Hilti KB3 1/2" x 3-3/4" LT fasteners



Occasionally, the elevation of the deck requires the lintel being positioned too close to the top of the foundation causing concerns that the concrete may crack. In this case the lintel may be positioned lower, at the same level as the screw pile tops and a wood joist is secured on top using appropriate fasteners.

3 Joist timbers are laminated together to create the beam supported by the screw piles



A Joist timber is placed on top of the lintel & secured to obtain the desired height for this deck project



For added protection **Joist Guard Tape** is used

Step 1: Tape is applied to top surfaces of beams & ledger boards prior to framing



For added protection Joist Guard Tape is used

Step 2: After framing is completed, tape is applied to remaining exposed surfaces



Installation of the Paverdeck Planks

Start by laying the panels on the far side working towards the house



For extra strength & rigidity we recommend staggering the panels



Installation of the Paverdeck Planks

Secure the panels to the joists using the supplied screws



When staggering panels, you can either precut to size or cut after installation



Installation of the Paverdeck Planks

If cutting after installation, start when about half the deck is covered

Doing so will allow you to use the end cuts for the remainder of the deck



Installation of the Paverdeck Planks

The last panel is cut to size along its length, shimmed & secured



You will notice the first row of panels have a slight slope down – this is normal



Installation of the Paverdeck Planks

Correcting the slope of the first panels

Unscrew the front edge of the first row of panels- Shim using EZ shims

Once desired level is obtained by shimming resecure the panels



Side Cladding a Paverdeck Plank Deck

Frame the sides of your **Paverdeck Plank** deck using normal framing techniques



$\frac{1}{2}$ " cement board is attached to the framed wall system



Side & Stone Cladding a Paverdeck Plank Deck

Any desired stone can be secured to cement board. Here a combination of a stucco finish and stone was used

Geotextile is put down to hold the polymeric sand in place (if used). Fit all your cap stones and adhere in place



Stone Cladding a Paverdeck Plank Deck

Once all cap stones are secured in place, install the stone

Sweep in the polymeric sand using standard installation techniques

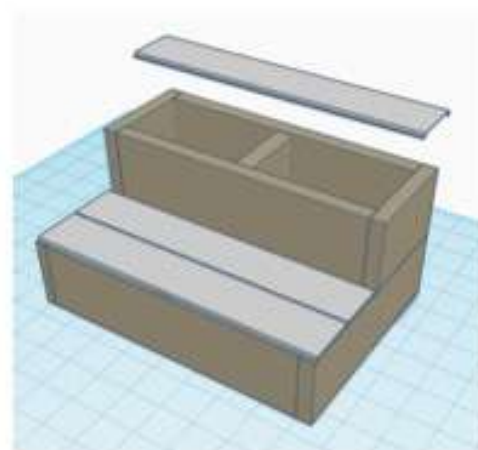




Side cladding options are endless

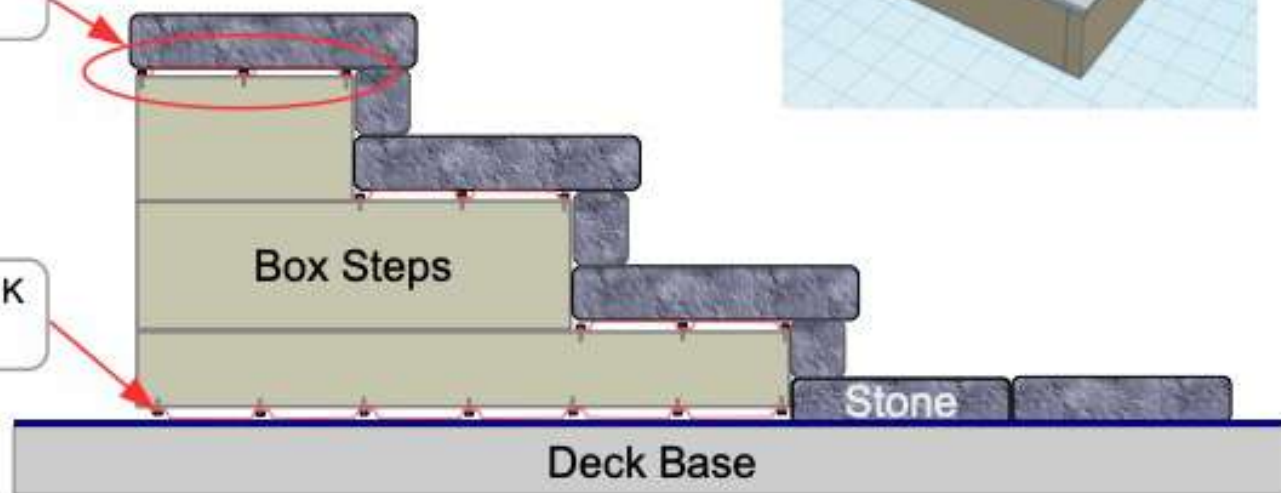
Sample construction of PAVERDECK PLANK box stairs

on any deck platform. Wood boxes are constructed as required to achieve the appropriated riser height and tread width taking into account the height of the PAVERDECK PLANK panel (0.5") and the height of the stone used. PAVERDECK PLANK panels must be supported every 16 inches. The boxes are placed on a PAVERDECK PLANK base to protect against moisture damage. Joist Tape can be used between the wood and the panels.

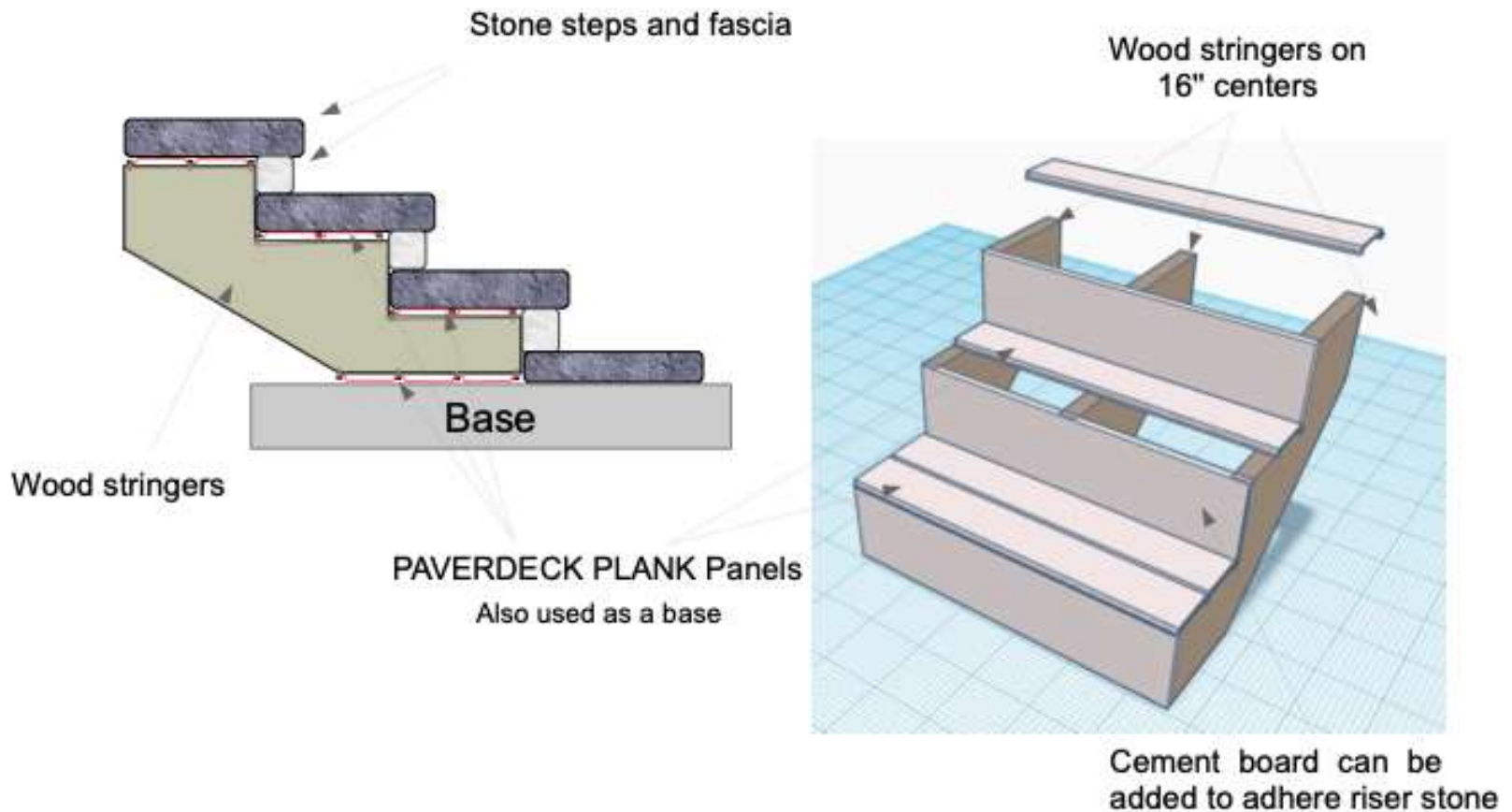


PAVERDECK PLANK
panels

PAVERDECK PLANK
base



Sample construction of PAVERDECK PLANK stairs Using wood stair stringers



References

Canadian Specifications

<https://paverdeck.com/wp-content/uploads/2020/04/PLANK50S600-54-SPECIFICATION-2020.pdf>

UL – Code Evaluation Report

<http://stonedeck.ca/wp-content/uploads/2018/04/ULR38320-20161125-Report-Evaluation-1.pdf>

Hilti Expandable Fasteners

<https://www.hilti.ca/anchor-fasteners/expansion-anchors/r6294>

Postech Helical Piles

<https://postech-foundations.com/thermal-piles/>

**Isn't it time for
you to join the
Stone Deck
Revolution?**



STONEDECK™

INNOVATIONS