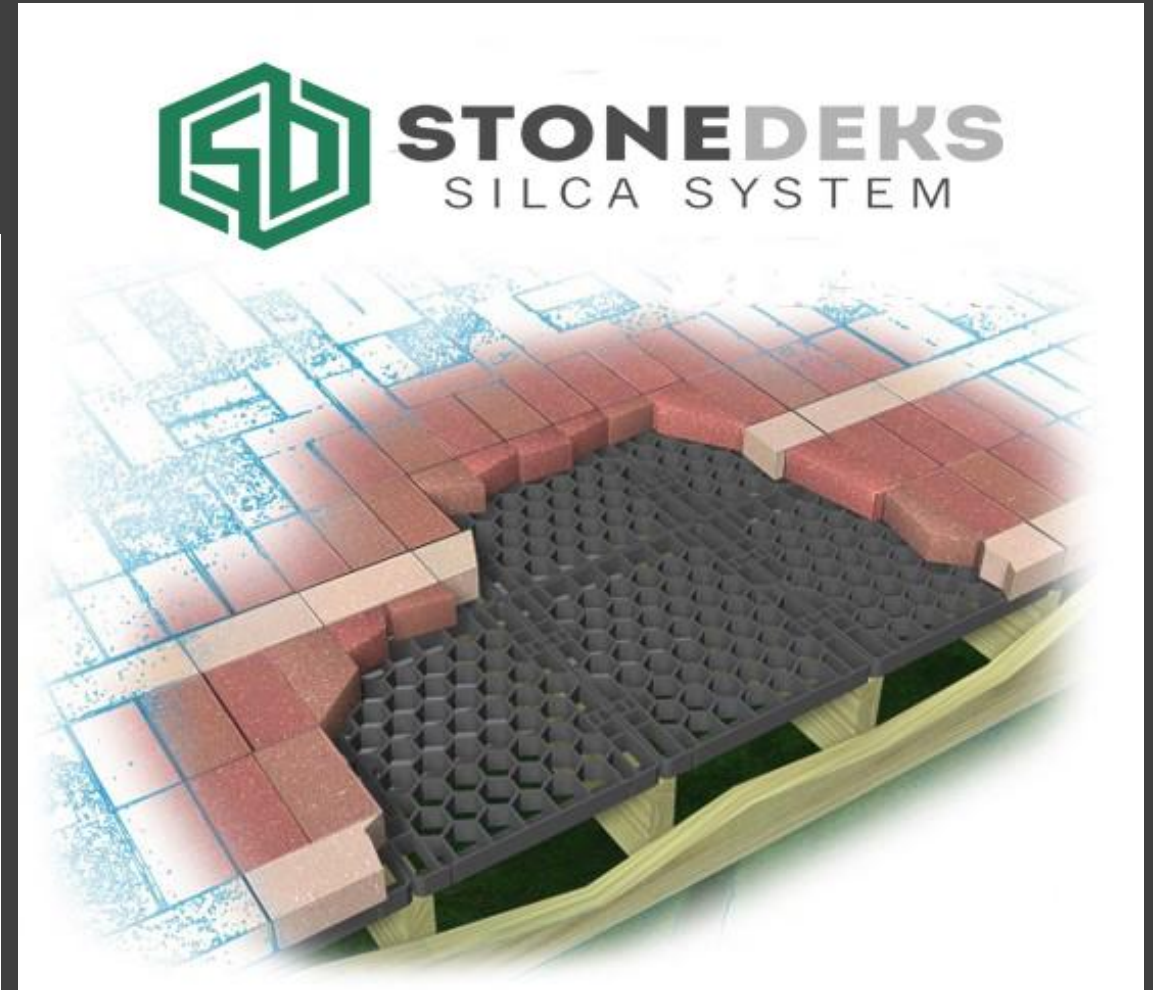
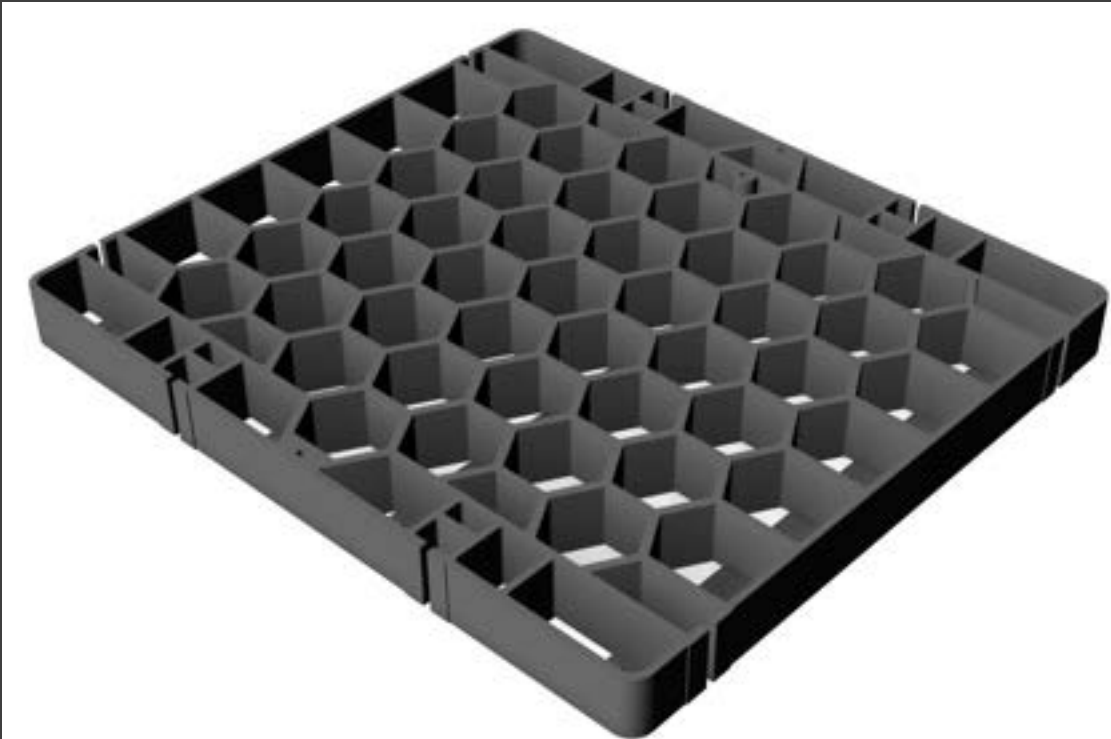




STONED EKS

SYSTEM

A sub-floor for any type of paver from $\frac{3}{4}$ " to 3" on any elevated structure.



Where do I use StoneDeks?

The following are examples of areas where you can save on labor and materials as well as offering the homeowner more options for their projects:

- 🏠 Elevated decks
- 🏠 Patios
- 🏠 Pool decks
- 🏠 Rooftops
- 🏠 Docks
- 🏠 Any elevated structure with 16" On-Center Joist framing



The **Silca Grate** is manufactured in the USA to the highest standards

Supported by proven Engineering and Certified testing & evaluations

20-year Residential Warranty
10-year Commercial Warranty

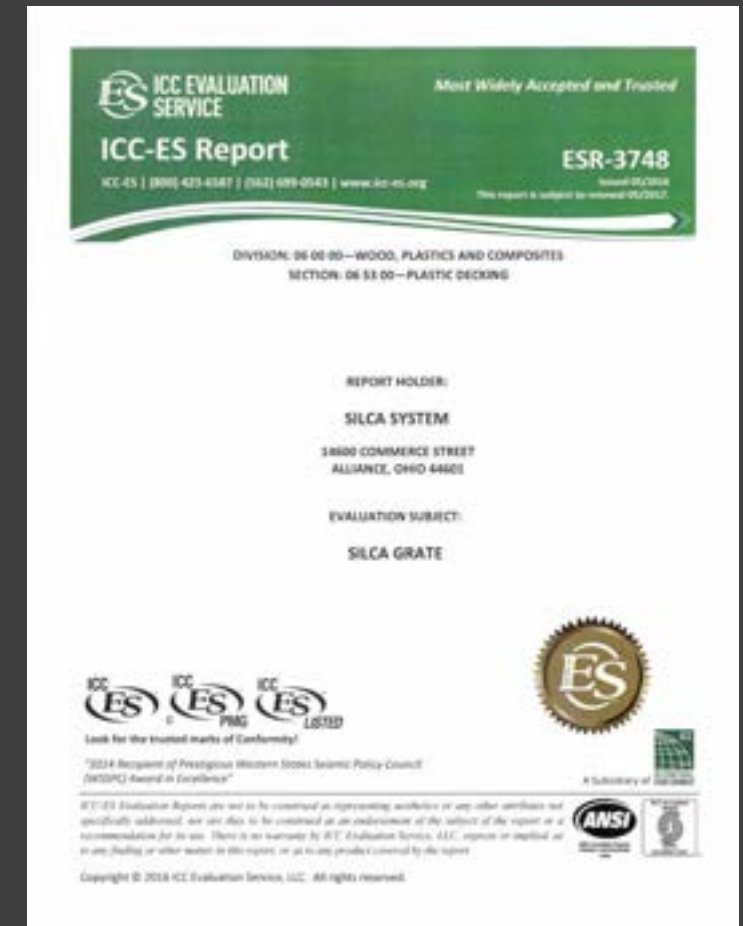
NAHB Research Center Structural Testing Report



Home Innovation Research Labs Silca Grate AC174 Evaluation



ICC-ES Report (ESR3748) Certified in 2016

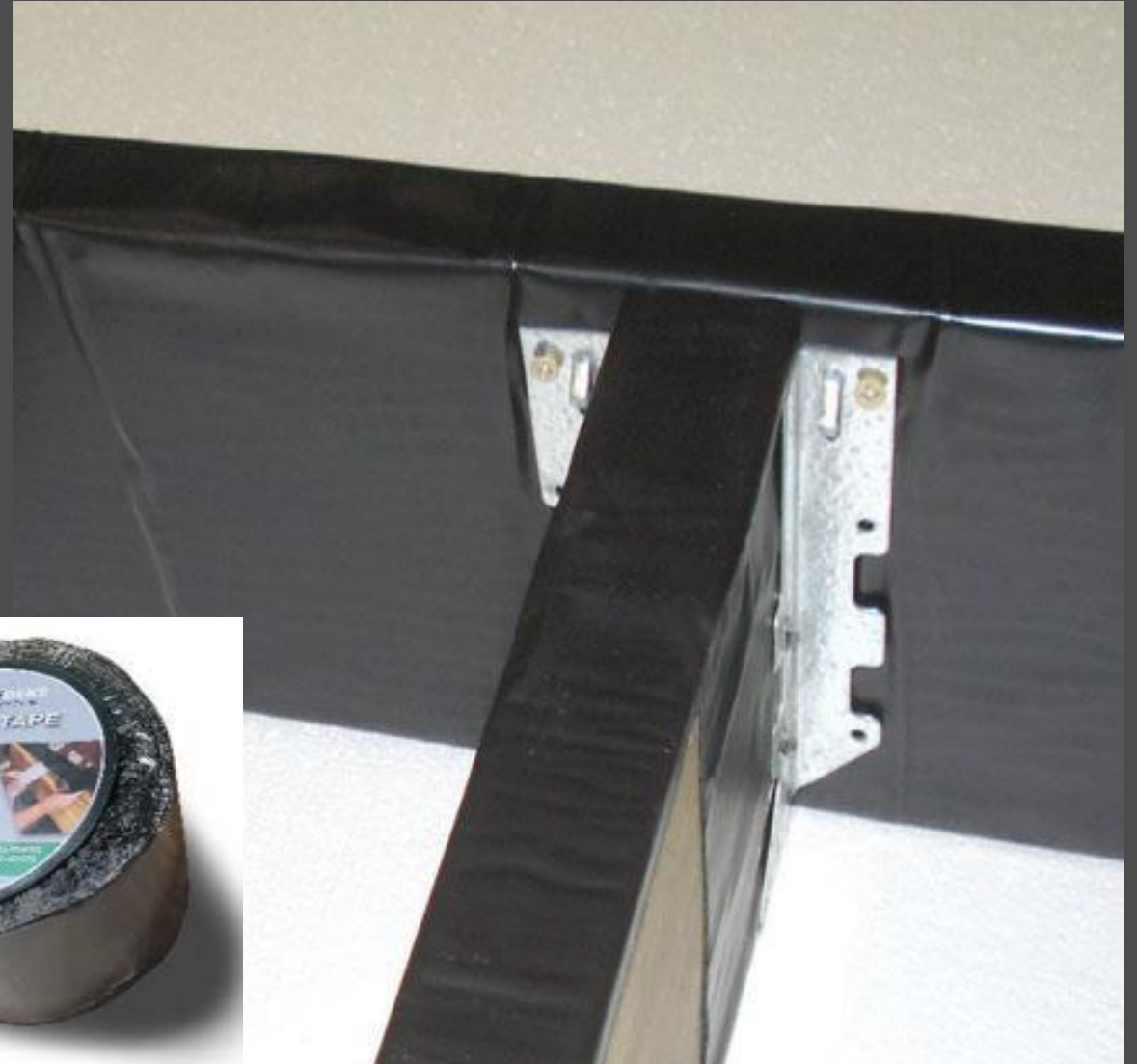


LOAD & DEFLECTION TESTING.

Over 500lbs.
Per grate for
30 days.

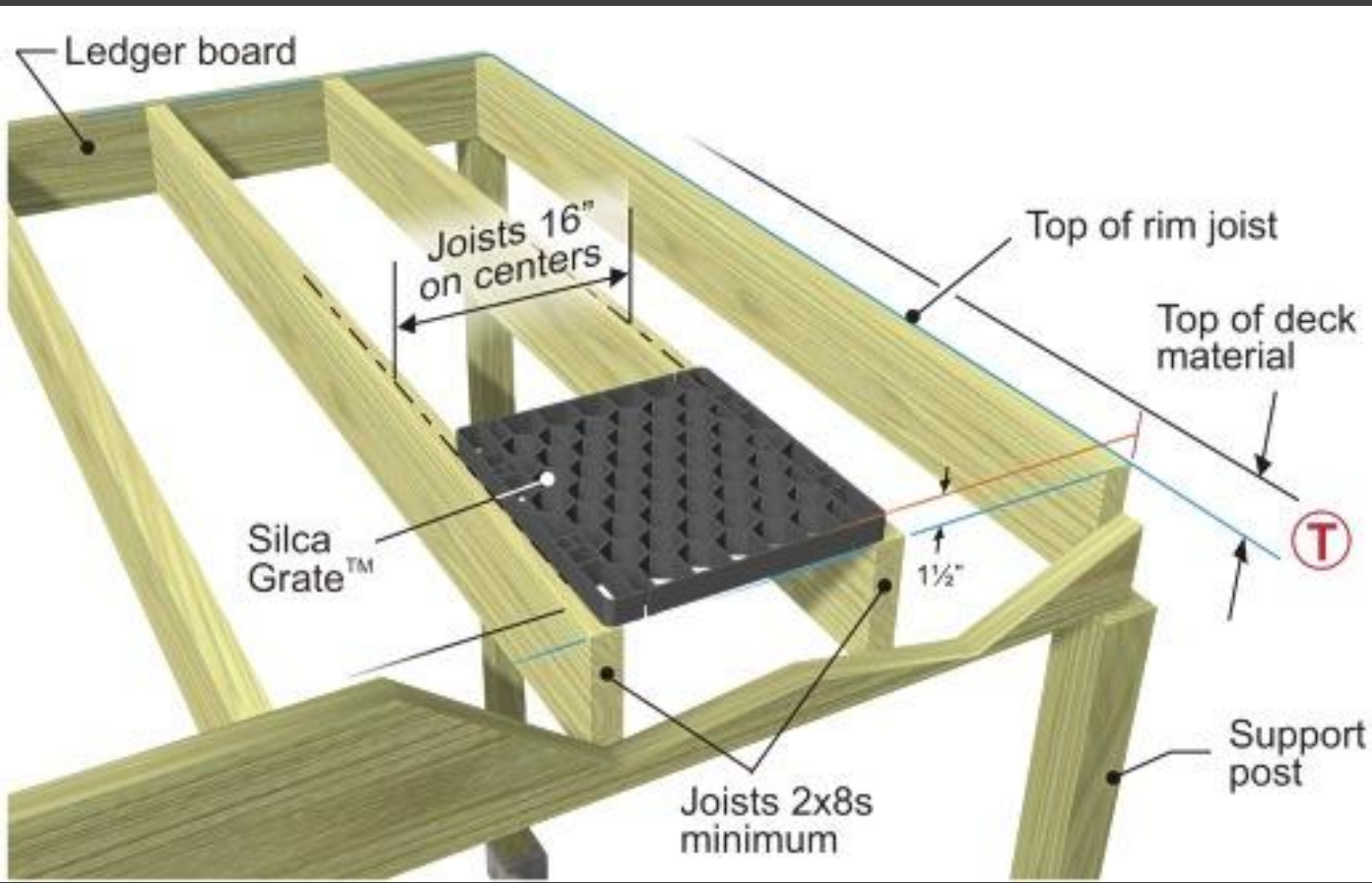


Silca DeckTape is recommended for all horizontal surfaces and between treated lumber and metal surfaces to prolong the life of the deck.



Easy Installation: New Construction

- Standard 16" on center framing
- 4 standard deck screws
- cut grates with standard equipment



Easy Installation: Deck Remodel

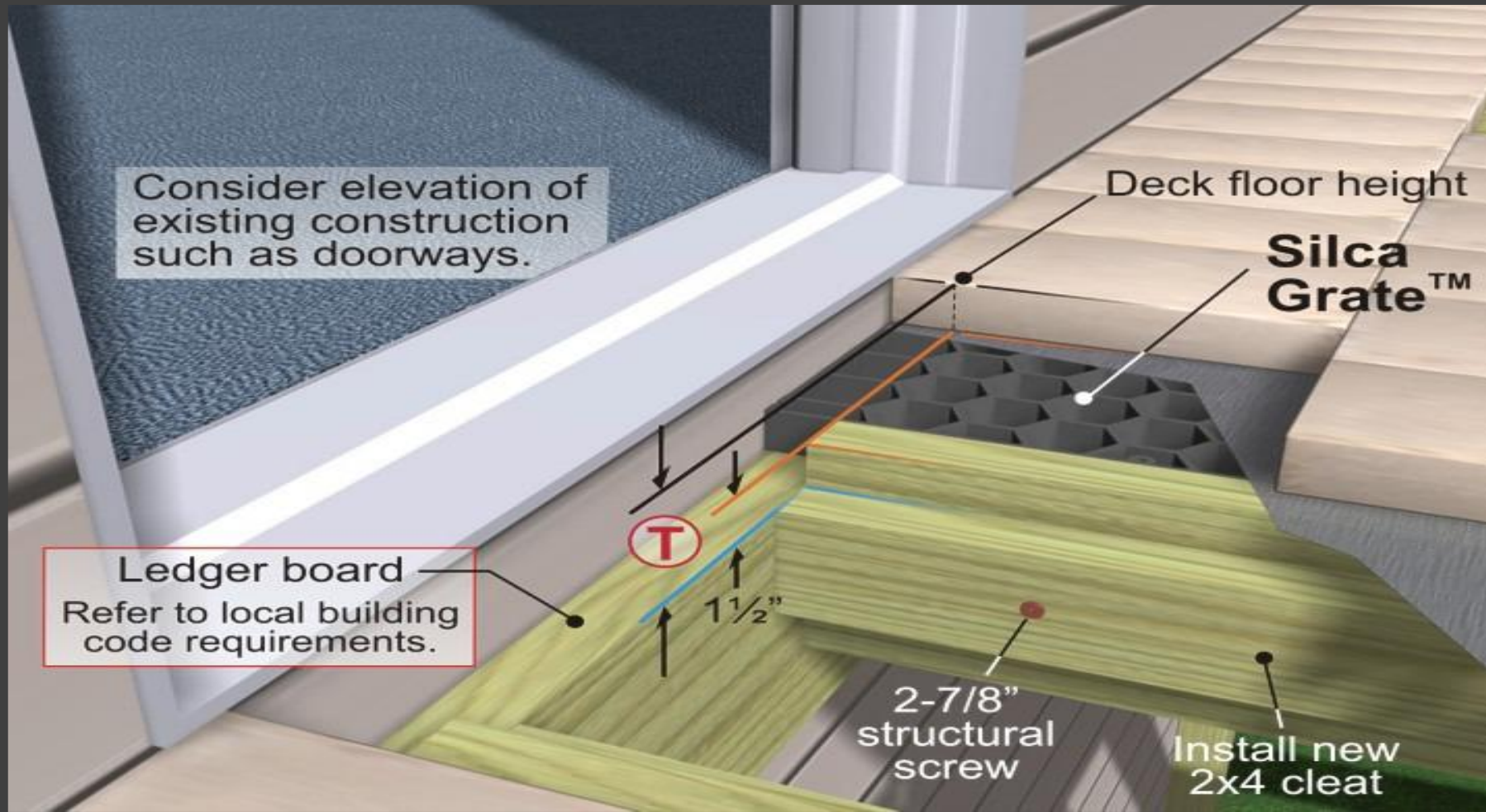
- Remove existing deck boards
- Check the existing framing for safety of the structure

Get the NADRA deck safety checklist at
www.nadra.org



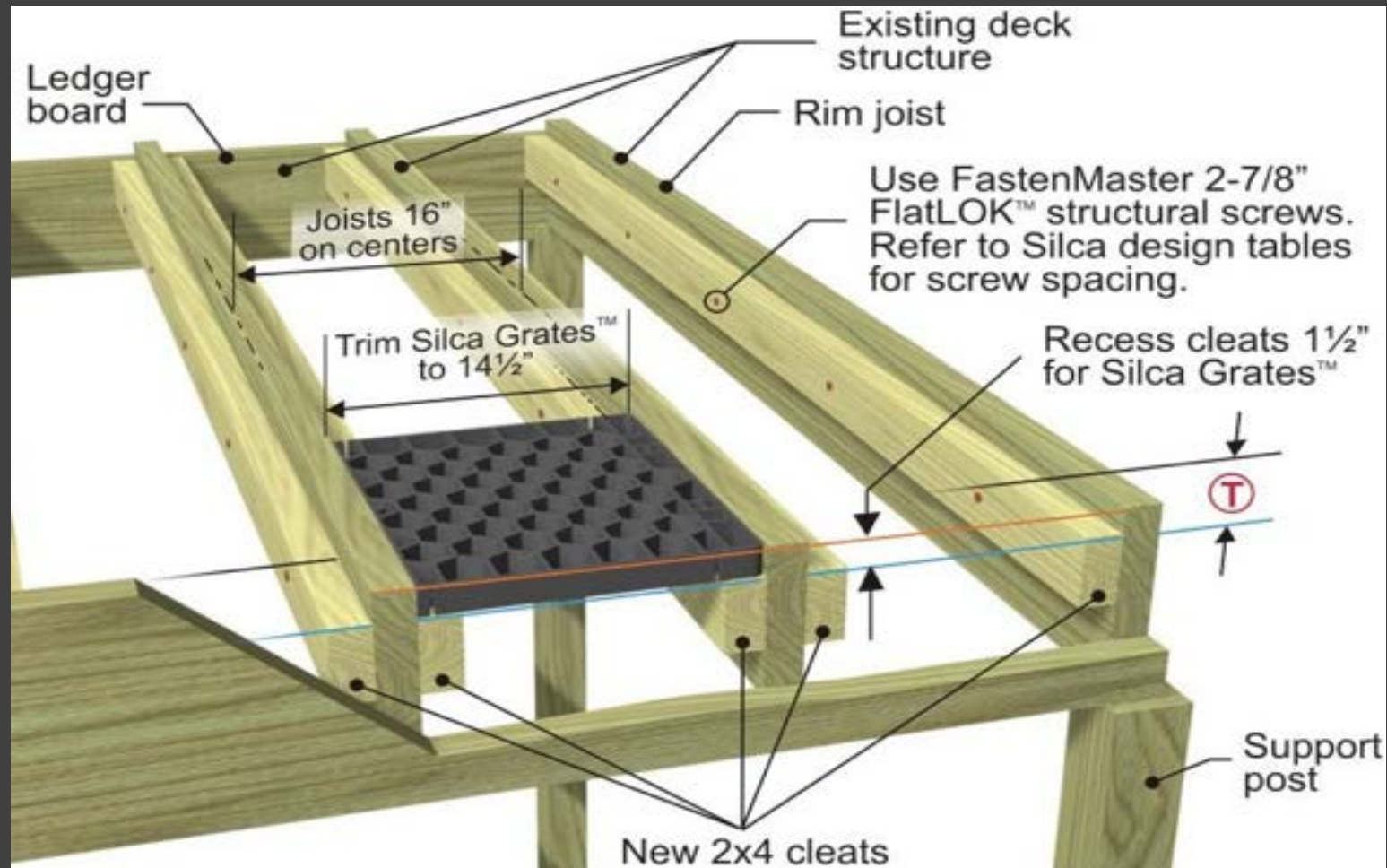
Preparation:

Plan for elevation of door sills and thickness of stone. If there is not enough clearance, grates can be recessed.



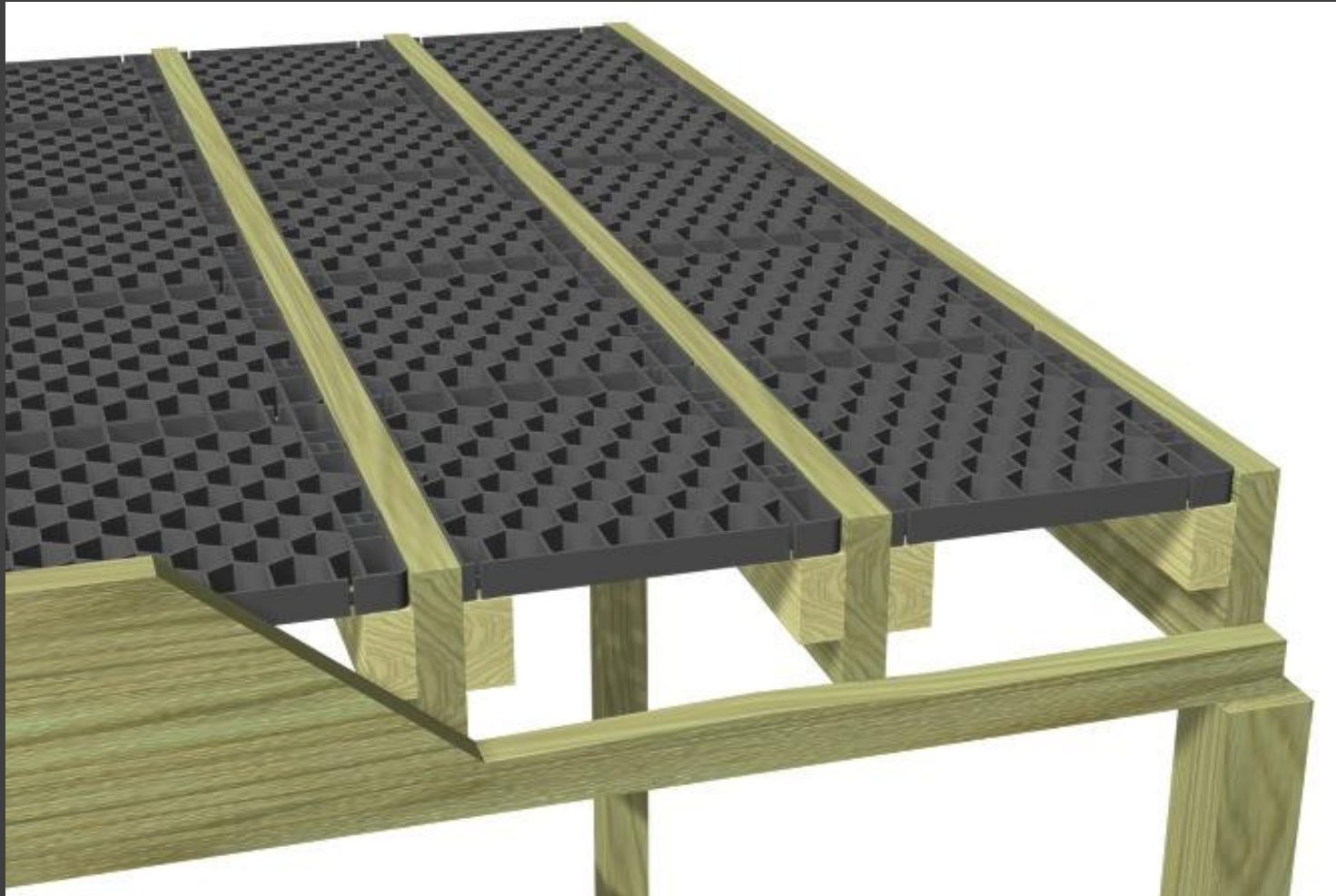
Deck Construction

- Make plan of layout and pattern of deck materials (i.e. Natural stone or brick pavers).
- Add 2x4 cleats on to both sides (except the exterior of the fascia boards) of joists 1-1/2" below the top surface of the joists.



Place SilcaGrates™ on Top of 2x4 Cleats

- Screw in place with 4 coated #9 3" deck screws
- Install SilcaGrate™ over desired area.



Laying down their porcelain tiles.



Beautiful, Porcelain Pool Deck





Stone Installation Methods

Pavers Installed with Sand

- 🏠 Lay geotextile blanket down over the **SilcaGrate** if using sand in the joint lines.
- 🏠 **Polymeric sand** is then swept into the joint lines between the pavers and wetted down as directed by the manufacturer.



Porcelain Paver Installation with Open Joint Lines

- SilcaSpacers should be applied to the corners of the pavers to prevent clinking and chipping
- Then glue to the SilcaGrate using SB-190, RG+ concrete adhesive, or equivalent



Cladding the stairs with matching stone.



Finished stairs without any fill.



A stone deck with skirting finished with a porcelain veneer.



NADRA 1st Place Deck

Porcelain Paver
firepit inlay on
composite deck!



NADRA 1st Place Deck

Porcelain Paver
firepit inlay on
composite deck!



NADRA 2nd Place Deck

Travertine
pavers installed
on SilcaGrates
blended with
hardscape pool
patio.



NADRA 2nd Place Deck

Travertine
pavers installed
on SilcaGrates
blended with
hardscape pool
patio.



NADRA 2nd Place Deck

Travertine
pavers installed
on SilcaGrates
blended with
hardscape pool
patio.



Rooftop Installations

Can be done by two methods

1. Use pedestals with joist supports and treated lumber or metal joists

- Use of joists on the pedestals reduces the number of pedestals required, and provides better support for the SilcaGrates and stone
- Follow the installation method suitable for the surface material chosen



2. Support each corner of the **SilcaGrate** on the **pedestal** and fasten with self-tapping screws

- Number of pedestals needed to support each corner of the SilcaGrate will result in an increase material cost compared to using joists on the pedestals



Delaware Rooftop Project





Silca SoilGrid

Hardscape Installation With Silca SoilGrid

The Silca SoilGrid is a heavy duty, interlocking grid system that allows you to build stronger hardscapes by stabilizing the base material.



Advantages Of Silca SoilGrid

- Permeable ground reinforcement
- Up to 50% base reduction in excavation
- Less materials to haul away
- Reduced settling issues and warranty call backs
- Easy installation process
- Wider pin-point load dispersal

Where do I use SoilGrid?

The following are examples of areas where you can save on labor and materials as well as offering the homeowner more options for their projects:

-  Patios
-  Walkways
-  Courtyards
-  Any area that has poor soil conditions
-  Any area where permeability is required

SoilGrid Installation

Lay down a layer
of geotextile
fabric on your
excavated area.



SoilGrid Installation

Add your base
aggregate (#89 or
#57
recommended),
grade to desired
base height, then
compact the base
material.



SoilGrid Installation

Compacted base
aggregate ready
for Silca SoilGrid
installation.



SoilGrid Installation

Begin laying the
SoilGrid and
locking them
together.



SoilGrid Installation

SoilGrid interlocks with t-tabs on the sides of each grid.



SoilGrid Installation

Fill the SoilGrid
with #89
aggregate.



SoilGrid Installation

Run your plate
compactor on top
of the filled
SoilGrid.



SoilGrid Installation

Level the filled
SoilGrid with a 4'
level and channel
locks.



SoilGrid Installation

Glue the porcelain
down to the
SoilGrid, use
spacers between
pavers.



SoilGrid Installation

Glue the porcelain
down to the
SoilGrid, use
spacers between
pavers.



SoilGrid Installation

Continue laying
pavers, gluing
them down, and
spacing them out.



SoilGrid Installation

Finished porcelain
paver patio.



SoilGrid Installation

Stable porcelain
paver patio.



Excavate, lay down geotextile fabric



Base aggregate, tamp, then lay down SoilGrid



Fill the SoilGrid with #89 aggregate, lay down geotextile fabric (if using polymeric sand), lay pavers.



Silca SoilGrid creates more stable hardscapes.

