

# Deck A Floor Installation Guide

NewTechWood Deck A Floor should be installed in accordance with the local building codes and the installation guidelines included below. NewTechWood Ltd. accepts no liability or responsibility for the improper installation of this product. NewTechWood Deck A Floor may not be suitable for every application and it is the sole responsibility of the installer to be sure that NewTechWood Deck A Floor are a fit for the intended use. Since all installations are unique, it is also the installer's responsibility to determine specific requirements for each application. NewTechWood Ltd. recommends that all applications be reviewed by a licensed architect, engineer or local building official prior to installation.



**IMPORTANT:** NewTechWood Deck A Floor is not recommended under the following conditions:

- Do not install directly onto grass, dirt, soil, or any other surface that has the ability to move under different weather conditions.

## Equipment Needed

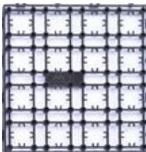
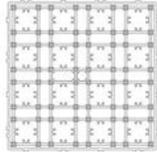
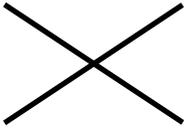
NewTechWood recommends the use of the following items which are application specific:

- Safety Glasses
- Utility Knife
- Pliers
- Gloves
- Marker
- Jigsaw, Mitter Saw, and Table Saw
- Hand Drill

Please visit [www.newtechwood.com](http://www.newtechwood.com) for the most up to date information.

# Legend

For an easier read and explanation we have taken the parts of the kit for this installation guide and used symbols to denote them in some parts of the installation guide.

<u>Parts</u>	<u>Symbol</u>
 <p>Snap Clip</p>	 Snap Clip in the horizontal  Snap Clip in the vertical
 <p>Locking</p>	
 <p>Capped Composite</p>	
 <p>Grid</p>	
 <p>Spacer</p>	
 <p>Butt Joint Clip</p>	

# Installing Grids

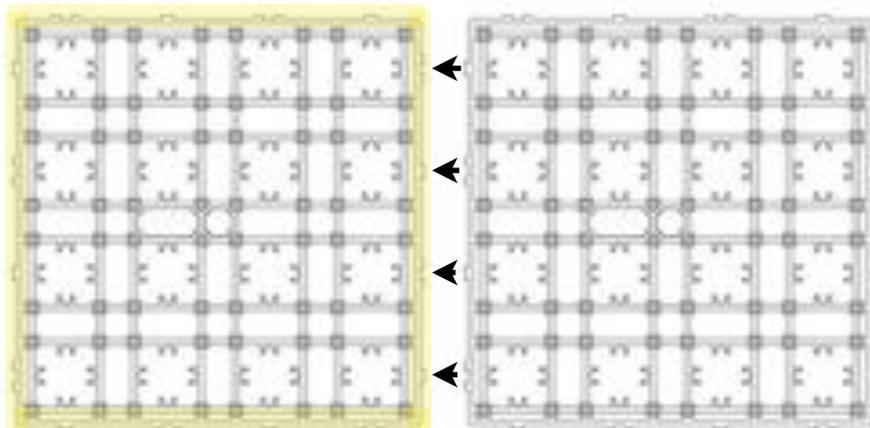


**IMPORTANT:** Installation of NewTechWood Deck A Floor is not recommended under the following conditions:

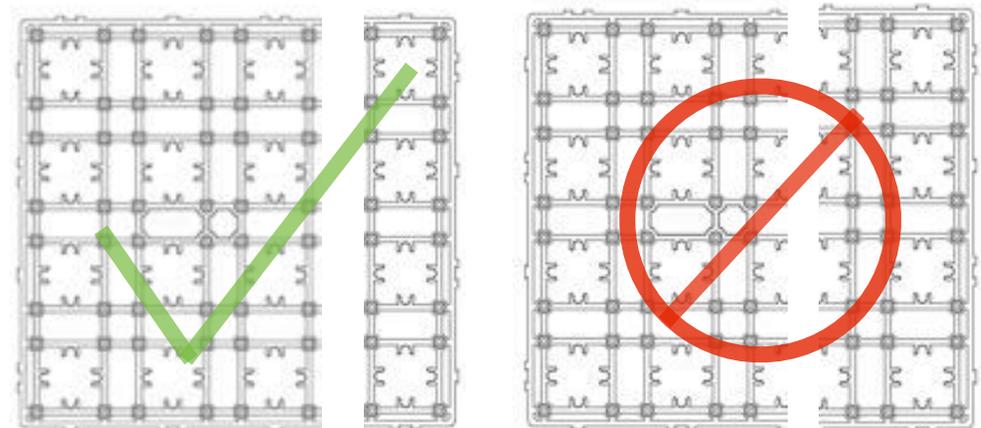
- Do not install directly onto grass, dirt, soil, or any other surface that has the ability to move under different weather conditions.
- Do not install where any type of vehicle traffic is expected.
- Begin by laying grids from the starting point of your choice
  - Usually up against a structure, or the longest straight run
- Installation of the grids will be done using any of the 4 interlocking sides and connecting one of the sides onto any side of another grid as shown below.
- Grids can be cut easily using pliers or a utility knife.



**IMPORTANT:** Grids can only be cut the same width as the boards, never ever cut a grid thinner than the board's width. See the example below.



**4 interlocking sides highlighted in yellow**



**Example of cutting grids same width as boards**

# Installing Snap Clips

Snap clips will be installed in the grid by lining up the four legs of the snap clip with the four holes of the grid. See the example below.

 **IMPORTANT:** There will always be a snap clip at the ends of every board. Snap clips will be maximum distance of three (3) holes away from each other. See the example below.

Remember that snap clips can go in two directions: vertical and horizontal. The timbers will be installed in the same directions as the snap clips.



Vertical Direction  
Snap Clip



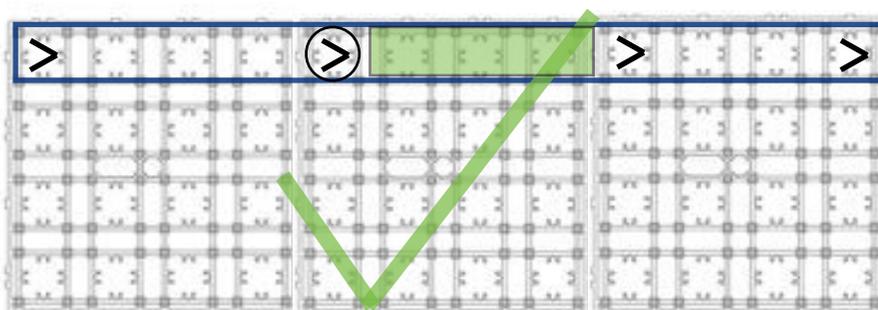
Symbol Vertical Direction  
Snap Clip



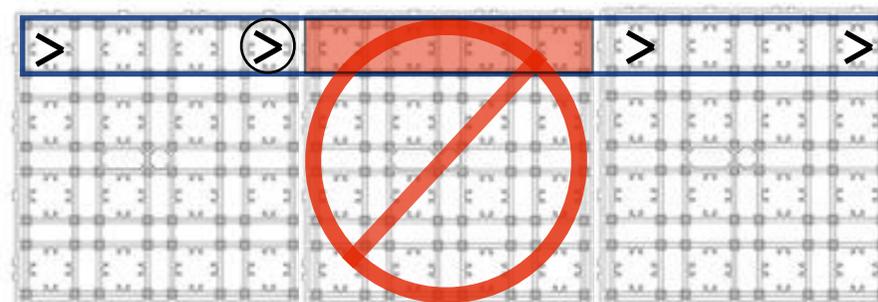
Horizontal Direction  
Snap Clip



Symbol Horizontal Direction  
Snap Clip



Snap Clips at a maximum distance of three (3) holes away



Snap Clips not at a maximum distance of three (3) holes away

# Installing Butt Joint Clips

Butt joint clips are installed the same way as snap clips, but their function is to connect two timbers on the same clip. See the example below.



**IMPORTANT:** If you do not have enough snap clips you can use butt joint clips in the same fashion, they have dual functionality.



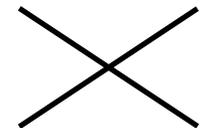
**Vertical Butt Joint Clip**



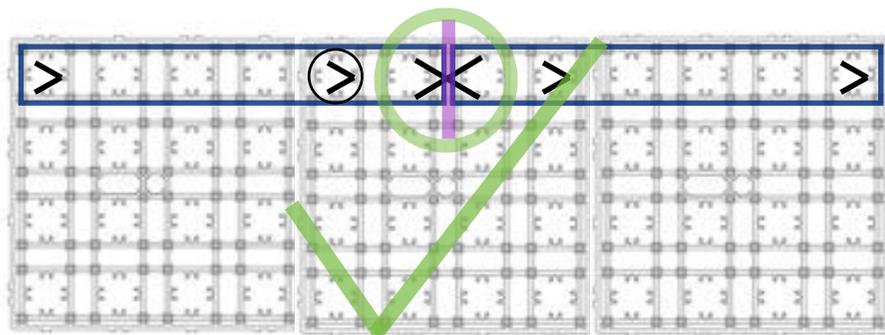
**Symbol for Vertical Direction Butt Joint Clip**



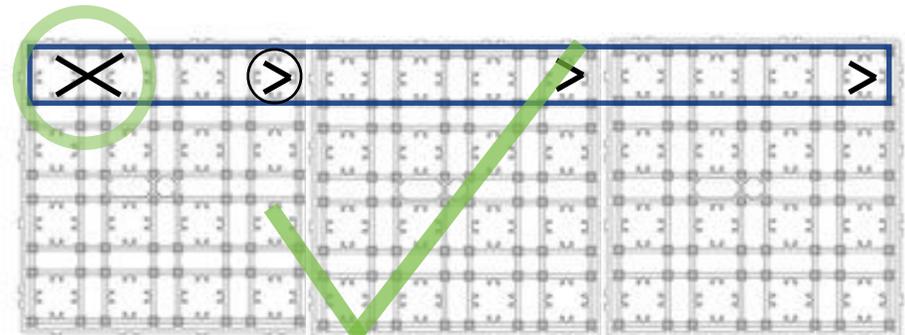
**Horizontal Butt Joint Clip**



**Symbol for Horizontal Direction Butt Joint Clip**



**Connecting two timbers on the same clip**



**Butt Joint Clip at the end of timber**

# Installing Locking Inserts

Locking inserts are used to keep each timber in position so that there is no movement of any kind.



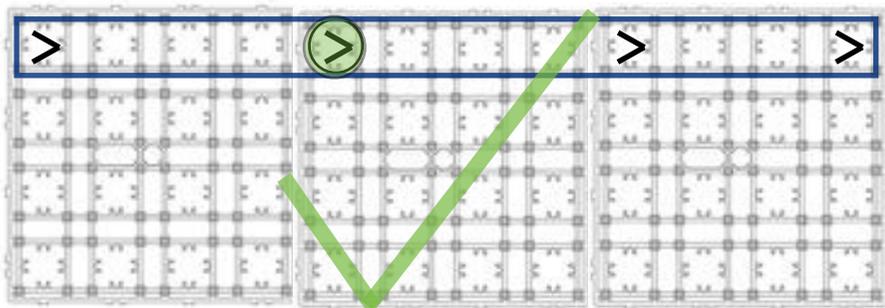
**IMPORTANT:** Never put more than one (1) locking insert per timber. Locking inserts can be put into any of three (3) holes in the snap clip and butt joint clip. Always put the locking insert in the middle of the timber, never put it at the ends of the timber. See the example below.



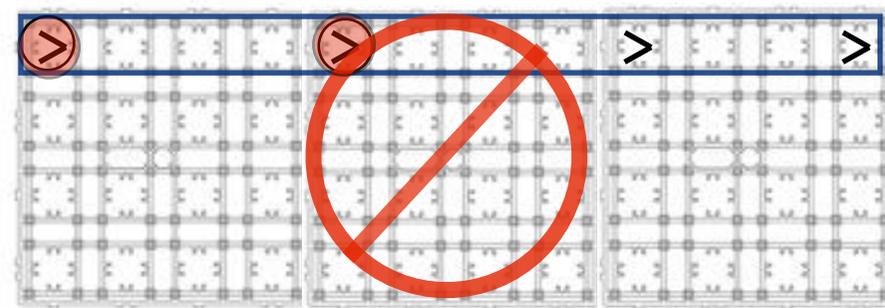
Snap Clip



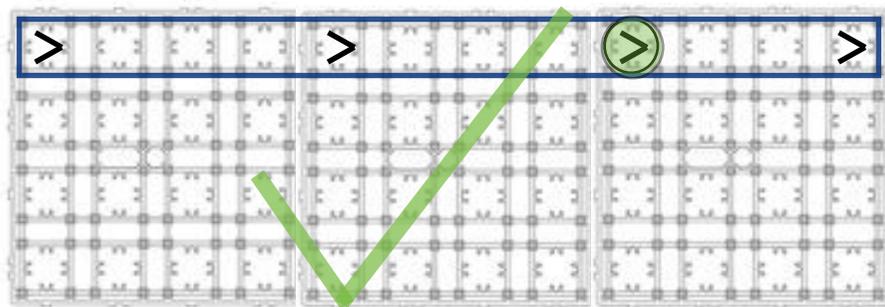
Locking Insert



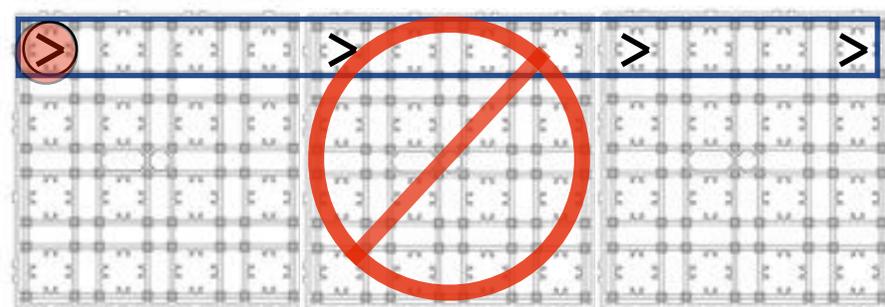
Locking insert in the middle of the timber.



More than two locking inserts per timber.



Locking insert at the end of timber.



Note\*\*  shows an incorrect installation of a locking insert.

# Using the Gap Spacer

A gap spacer is provided to ensure proper and consistent gaps are made when two timbers are connected together on the same butt joint clip.

The gap spacer is also used when the timbers are perpendicular to each other.



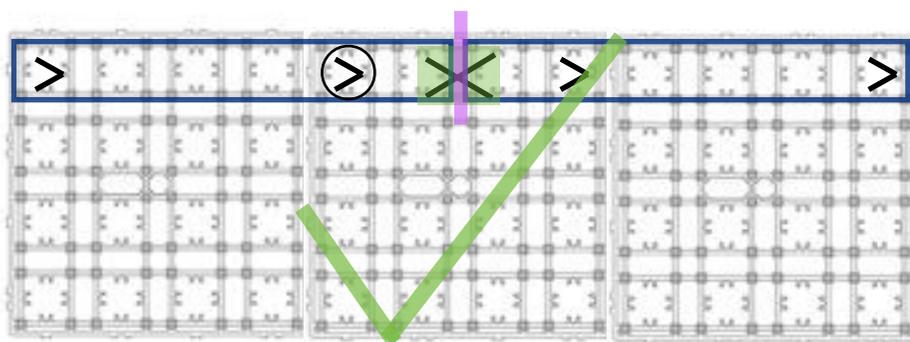
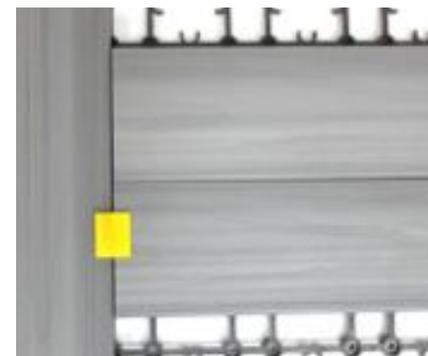
**IMPORTANT:** The gap spacer does not need to be used for side to side gapping, it is to only be used for linear gapping.



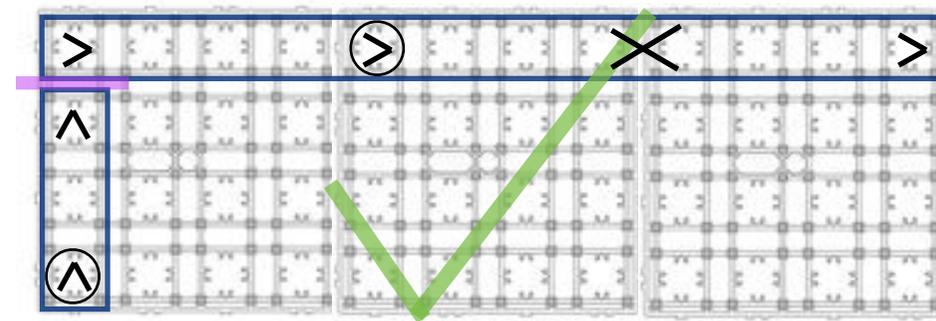
Gap Spacer



Symbol for Gap Spacer



Two timbers being spaced evenly with the Gap Spacer

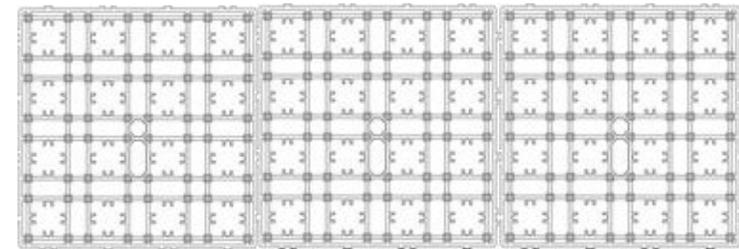
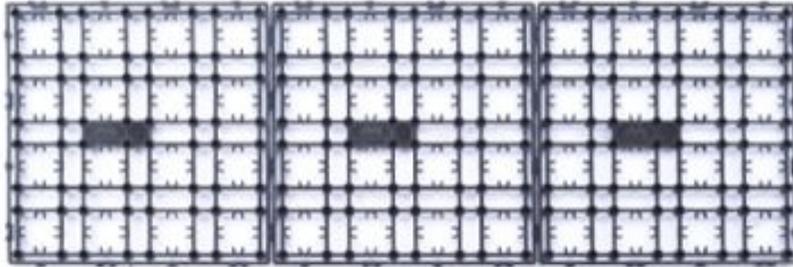


A timber in the horizontal direction and a timber in the vertical direction being spaced evenly by the Gap Spacer

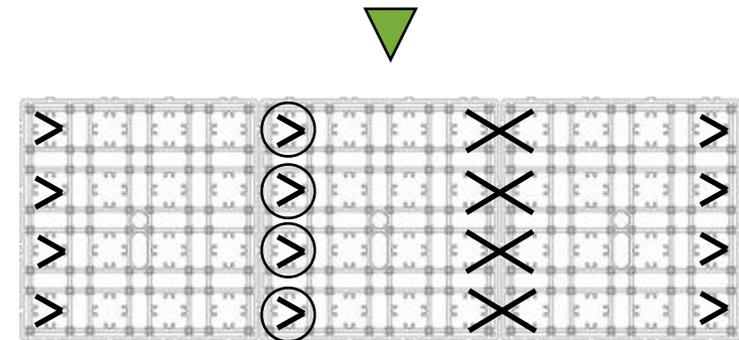
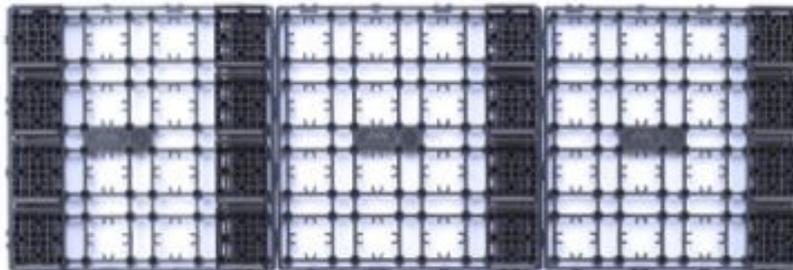
# One Kit Installation (Online Kit)

Below shows an example of a one (1) kit installation, please refer back to the legend page at the top of this guide if you forgot which symbols represent which parts.

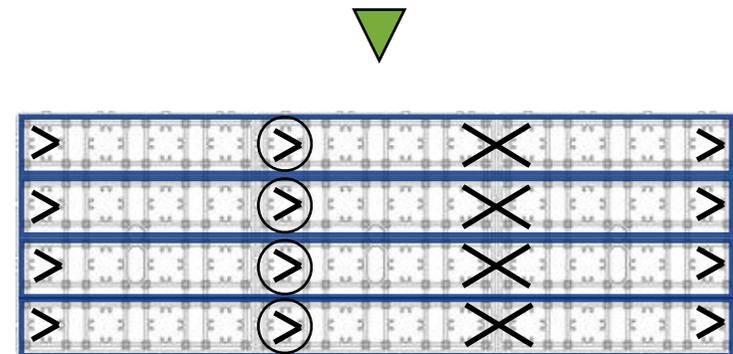
## Step 1. Lay the grids on a flat solid surface



## Step 2. Insert the accessories



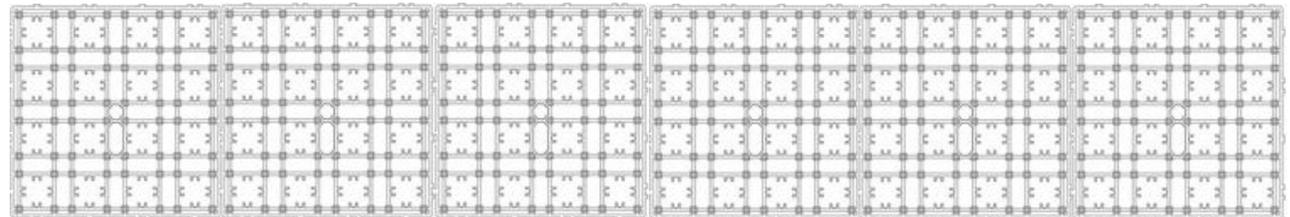
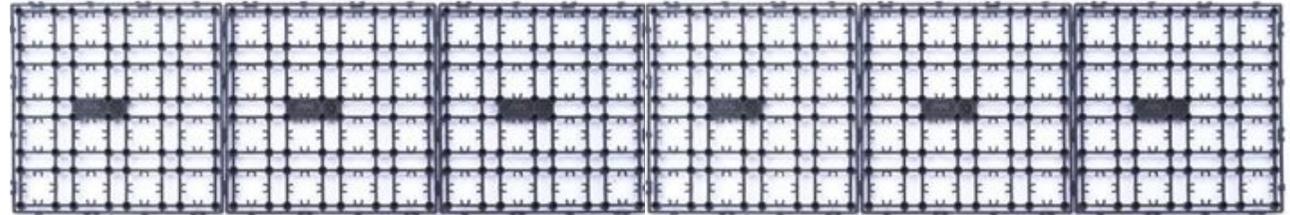
## Step 3. Snap in the timbers and your DONE!!



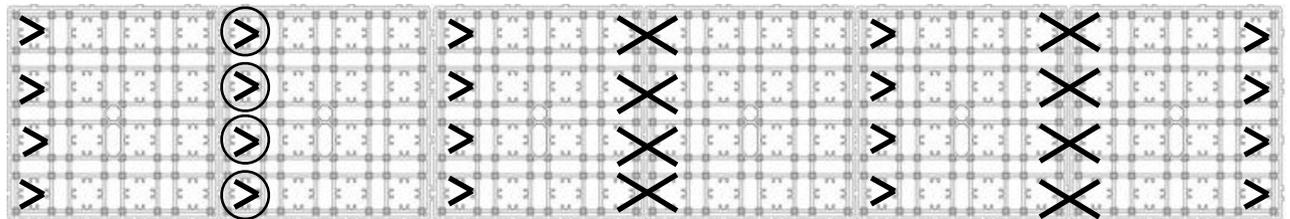
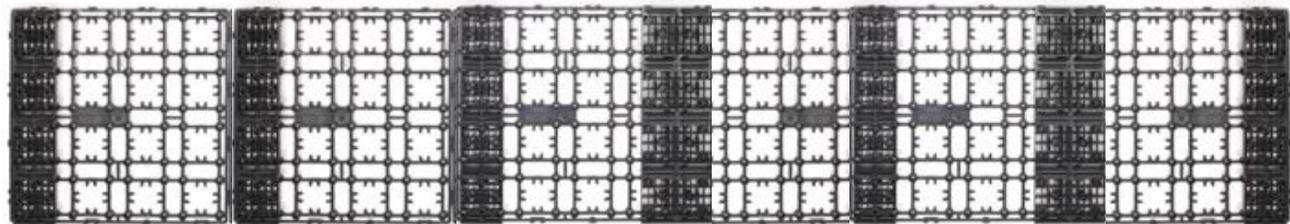
# One Kit Installation (Retail Kit)

Below shows an example of a one (1) kit installation, please refer back to the legend page at the top of this guide if you forgot which symbols represent which parts.

**Step 1. Lay the grids on a flat solid surface**

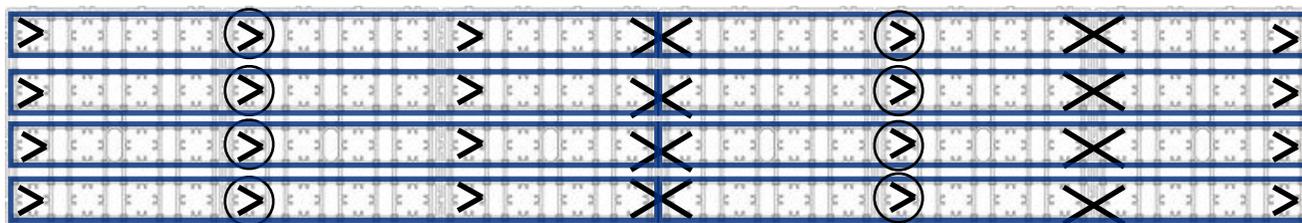
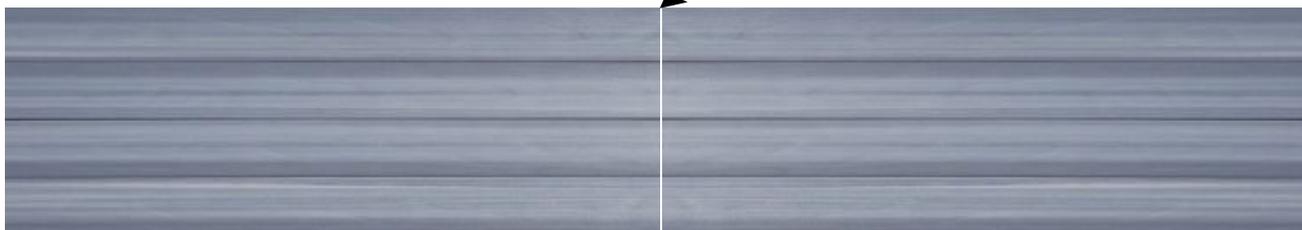


**Step 2. Insert the accessories**



Step 3. Snap in the timbers and your DONE!!

Expansion and contraction gap made with Gap Spacer



# Design, Pattern, and Color



**IMPORTANT:** NewTechWood Deck A Floor allows for any pattern of installation as long as the boards are straight.

Calculated Square Footage:

Measure the dimensions of the of the area to be installed and calculate the total square footage. Be sure to add extra to the measured square footage to allow for scrap and to have a few extras on hand in case of future damage.

Calculate Amount of NewTechWood Deck A Floor Product (Online) Required:

A kit of Deck A Floor includes four (4) timbers, three (3) grids, twelve (12) snap clips, four (4) butt joint clips, four (4) locking inserts, one (1) gap spacer. One kit covers 4.32 square feet. To calculate how many kits are needed, divide the total square footage of your area by 4.32.

Online UltraQuickDeck Kit		
Area Measurements (length x width = square feet)	Required Number of Kits	
	Single Color	Picture Frame / Border
50 Sq Ft.	12 kits	10 kits of one color + 2 kits of another color
100 Sq Ft.	24 kits	20 kits of one color + 4 kits of another color
250 Sq Ft.	58 kits	50 kits of one color + 10 kits of another color
500 Sq Ft.	116 kits	100 kits of one color + 20 kits of another color



**WALNUT**



**TEAK**



**LIGHT GRAY**

# (Continued) Design, Pattern, and Color



Calculated Square Footage:

Measure the dimensions of the of the area to be installed and calculate the total square footage. Be sure to add extra to the measured square footage to allow for scrap and to have a few extras on hand in case of future damage.

Calculate Amount of NewTechWood UltraQuickDeck Product (Retail) Required:

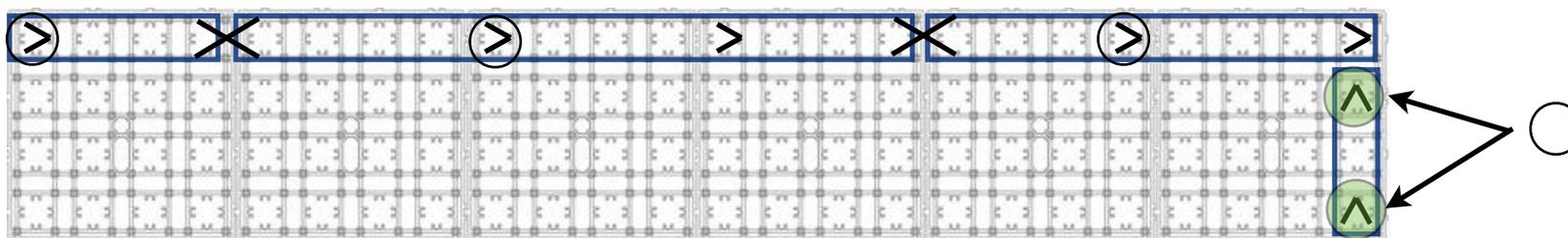
A retail kit of Deck A Floor includes eight (8) timbers, six (6) grids, twenty-four (24) snap clips, eight (8) butt joint clips, eight (8) locking inserts, one (1) gap spacer. One kit covers 8.64 square feet. To calculate how many kits are needed, divide the total square footage of your area by 8.64

Retail UltraQuickDeck Kit		
Area Measurements (length x width = square feet)	Required Number of Kits	
	Single Color	Picture Frame / Border
50 Sq Ft.	6 kits	5 kits of one color + 1 kits of another color
100 Sq Ft.	12 kits	10 kits of one color + 2 kits of another color
250 Sq Ft.	29 kits	25 kits of one color + 5 kits of another color
500 Sq Ft.	58 kits	50 kits of one color + 10 kits of another color

# Special Scenarios

## Scenario 1

When the board uses only two snap clips and there isn't a butt joint clip, the locking insert shall be placed in either one of the snap clips as shown below. This usually occurs when doing shorter board installations, herringbone patterns and certain boarder installations.



**The locking insert can be placed in either position**

# Layouts / Patterns

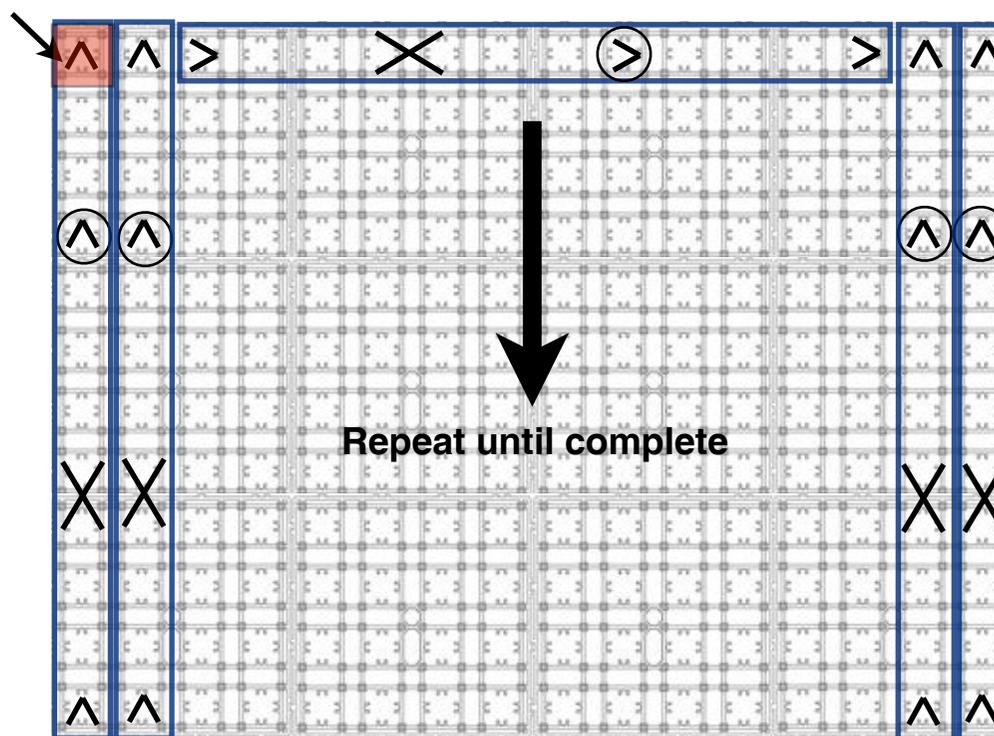
NewTechWood Deck A Floor can be installed in a multitude of different patterns and combinations. Designs can include small and large repeating patterns. Some of the most popular example patterns are provided below:

## Border / Picture Framing

Border / Picture Framing gives the deck a clean professional look. It is also used to highlight areas of interest and defining places set aside for a certain use. Also, try using a different color for the picture frame to give your deck a pop.



Starting Corner



# Brick Layout

The brick layout is one of the most popular designs giving your outdoor deck an indoor look.



Starting Corner



## Straight Layout

The straight layout is the most common and easiest of all decking designs.



Starting Corner

