

INSTALLATION & MAINTENANCE GUIDE

DECKING • RAILING • ACCESSORIES • DRYSPACE • CARE/CLEANING • WARRANTY

With proper installation and care TimberTech products are guaranteed to provide years of outdoor living pleasure.

To achieve a trouble-free installation of TimberTech products:

- ✓ Consult local building codes prior to installation.
- ✓ Familiarize yourself with installation instructions.
- ✓ Ensure you have all the tools and materials needed- as listed on the instruction sheet.

Storage and Handling

- Never dump TimberTech materials when unloading.
- Store on a flat surface and cover with non-translucent material.
- When carrying TimberTech planks, carry on edge for better support.
- Refer to installation instructions for additional guidelines on each product.

Important Information

- When working with TimberTech products or any building materials, be sure to wear proper clothing and safety equipment.
- For all TimberTech products, standard woodworking tools may be used, as per applicable manufacturer's instructions.
- Scrap can be discarded with normal construction debris.
- RadianceRail® should be disposed of with normal construction debris. **DO NOT BURN** RadianceRail due to its material properties.
- TimberTech meets or exceeds all Americans with Disabilities Act standards for slip resistant walking surfaces. TimberTech has excellent slip resistance wet or dry.
- TimberTech Earthwood, TwinFinish and 5/4 Planks can extend beyond the last support a maximum of 1" – Floorizon can not.



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Visit www.timbertech.com to find installation instructions in Spanish and to view the most up-to-date installation videos. Call 1-800-307-7780 with questions.

With an array of decking planks, color options, high-quality surface textures and size choices, you can customize any outdoor living space using TimberTech decking solutions.

DECKING PLANKS	Size	Color						Wt.
		Cedar	Grey	Redwood	Tropical Rosewood	Tropical Teak	Tropical Walnut	Lbs. Ft.
Floorizon®, VertiGrain™ or Brushed	1-1/2" x 6" x 12'	X	X	X				2.2
Floorizon, VertiGrain or Brushed	1-1/2" x 6" x 16'	X	X	X				2.2
Floorizon, VertiGrain or Brushed	1-1/2" x 6" x 20'	X	X	X				2.2
TwinFinish®, Two Sided, VertiGrain & Brushed	1" x 5-1/2" x 12'	X	X	X				2.7
TwinFinish, Two Sided, VertiGrain & Brushed	1" x 5-1/2" x 16'	X	X	X				2.7
TwinFinish, Two Sided, VertiGrain & Brushed	1" x 5-1/2" x 20'	X	X	X				2.7
Earthwood®, Solid, VertiGrain & Serrated	1" x 5-7/16" x 16'				X	X	X	2.8
Earthwood, Grooved VertiGrain & Serrated	1" x 5-7/16" x 12'				X	X	X	2.8
Earthwood, Grooved VertiGrain & Serrated	1" x 5-7/16" x 16'				X	X	X	2.8
Earthwood, Grooved VertiGrain & Serrated	1" x 5-7/16" x 20'				X	X	X	2.8
DockSider™, VertiGrain & Serrated	1-1/4" x 5-1/2" x 12'	X	X					3.5
DockSider, VertiGrain & Serrated	1-1/4" x 5-1/2" x 16'	X	X					3.5
DockSider, VertiGrain & Serrated	1-1/4" x 5-1/2" x 20'	X	X					3.5
5/4, Brushed or Smooth	1" x 5-1/2" x 12'		X					2.7
5/4, Brushed or Smooth	1" x 5-1/2" x 16'		X					2.7
5/4, Brushed or Smooth	1" x 5-1/2" x 20'		X					2.7
2x6*, Brushed	1-1/2" x 5-1/2" x 12'	X	X	X				2.6
2x6*, Brushed	1-1/2" x 5-1/2" x 16'	X	X	X				2.6
2x6*, Brushed	1-1/2" x 5-1/2" x 20'	X	X	X				2.6
DECKING ACCESSORIES	Size	Color						
		Cedar	Grey	Redwood	Whitesand	Tropical Rosewood	Tropical Teak	Tropical Walnut
TwinFascia®, Two Sided, VertiGrain & Brushed	0.60" x 10" x 12'	X	X	X				
TwinFascia, Two Sided, VertiGrain & Brushed	0.60" x 12" x 12'	X	X	X				
TwinFascia, Two Sided, Smooth & Serrated	0.60" x 10" x 12'				X			
TwinFascia, Two Sided, Smooth & Serrated	0.60" x 12" x 12'				X			
TwinFascia, Two Sided, VertiGrain & Serrated	0.60" x 10" x 12'					X	X	X
TwinFascia, Two Sided VertiGrain & Serrated	0.60" x 12" x 12'					X	X	X
TwinRiser™, Two Sided, VertiGrain & Brushed	0.6" x 7.3" x 12'	X	X	X				
TwinRiser, Two Sided, VertiGrain & Serrated	0.6" x 7.3" x 12'					X	X	X
Inside Corner Moulding	0.67" x 1.44" x 12'	X	X	X				
Outside Corner Moulding	5/16" x 1-1/2" x 12'	X	X	X				
Floorizon Starter Strip	12'	X	X	X				
End Cap	3/8" x 1-1/2" x 12'	X	X	X				
BuilderBoard®	1-7/16" x 3-7/16" x 16'	X	X	X				
CONCEALoc™ Hidden Fastener	N/A							

*Available in select markets only.

TimberTech Floorizon® Plank

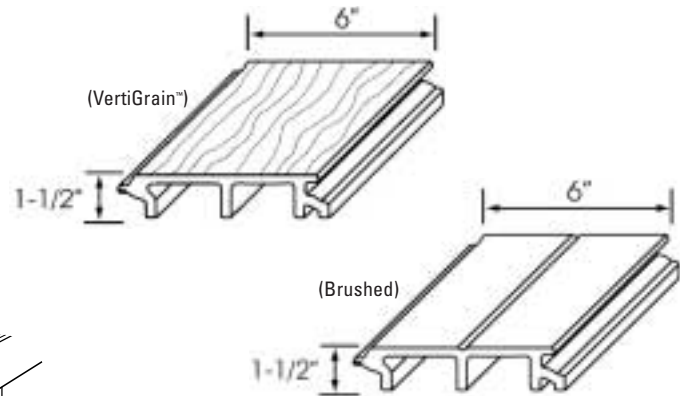
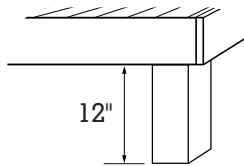
Floorizon Plank has a built-in hidden fastener system and two appealing surface textures to choose from.

Fastening Guidelines

- Use a minimum #8 x 2-1/2" high-quality coated, stainless steel or composite deck screw.
- Pre-drilling is required in cold weather and when within 1-1/2" of the end of the plank.
- Do not use glue or caulk to fasten TimberTech planks or to seal the joint between two planks and any other surface. This will inhibit the natural expansion and contraction of the planks and will impede the drainage of the deck.

Proper Ventilation Is Required

- To reduce moisture build-up from beneath the deck there must be a minimum of 12" high unobstructed continuous airspace along three sides of the deck to allow for cross ventilation. This should be located just below the bottom of the deck joist.
- The use of a lattice panel is permitted as long as the lattice openings are at least as wide as the lattice slats.
- In some limited applications, including decks built against an inside corner, additional ventilation will be required where the deck meets the building.
- Floorizon Plank should never be used for roof applications or on-grade applications where the deck joist is less than 12" from the ground or enclosed, and proper ventilation cannot be achieved. For these applications use Earthwood, TwinFinish, 5/4, DockSider or 2x6 Planks.



Important Information

- Never force Floorizon Plank together-use hand pressure only.
- Floorizon Planks should not be used for dock applications.
- Floorizon Plank is not intended for use as columns, support posts, beam joists, stringers or other primary load-bearing members.

Standard Joist Spacing

Floorizon Plank (applied)			
	90° Angle	30° Angle	45° Angle
200psf	16"	14"	12"
100psf	24"	20"	17"

Special conditions will require an engineering inspection and/or reduced spans. Always consult local building codes.

Failure to provide adequate ventilation may result in failure of the deck surface and will void the warranty.

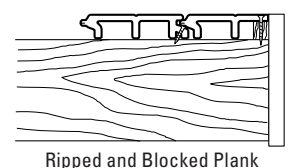
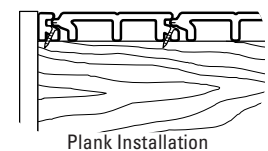
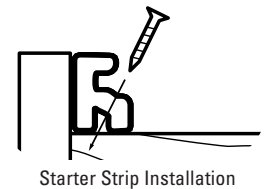
Installation

- 1 Place TimberTech Starter Strip along leading edge of deck and drive 1-1/2" screws through outside leg of strip as shown.
 - Install planks from the outside of the deck toward the house.
 - Weep holes in Floorizon Planks are designed to aid drainage. To ensure proper drainage the deck should slope 1/2" for every 8' away from the house. Never cantilever (extend) Floorizon Planks beyond the edge of deck frame.

- 2 Slip "tongue" of plank into Starter Strip groove using hand pressure only. There will be approximately 3/16" reveal between plank's tongue and the Starter Strip's groove. Weep holes must be visible for proper installation.

- 3 Fasten planks at each joist by driving screws through outside leg. Repeat until the surface is covered.

- Fasten from center of plank out for best results.
- Leave a 1/8" gap between planks at all end joints and all other surfaces including rail posts.
- End joints must fall on a joist, and it is recommended that framing members at end joists be doubled up to provide an adequate fastening surface.
- If the last row is a partial-width plank, rip plank to fit, block with a 1x, and fasten through the plank surface and block into the joist as shown.

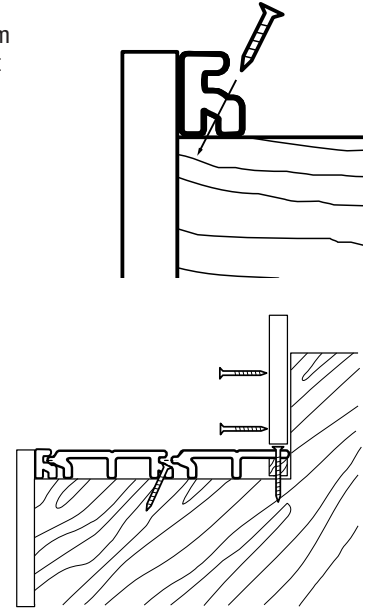


TimberTech Floorizon Plank

Stairs with Floorizon Plank using Starter Strip

Maximum joist spacing is 12" on-center. Make sure there is at least one stringer for support in the middle of the stair span. Do not force planks into the Starter Strip. You will be able to see part or all of the weep holes.

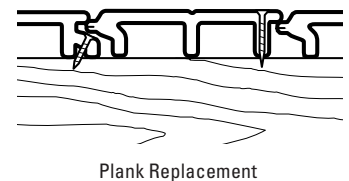
- 1 Attach TimberTech TwinRiser board to the front of the bottom step. Fasten 2" from the top and bottom every 16" using #8x1-1/2" high-quality coated, stainless steel or composite deck screws at each joist stringer. Make sure to cut the TwinRiser board 1-1/2" higher than the step.
 - Place Starter Strip against the TwinRiser board and fasten in place with 1-1/2" screw.
- 2 Slip the first stair tread plank into the Starter Strip using hand pressure only. There will be approximately a 3/16" reveal between the plank's tongue and the Starter Strip's groove.
 - Fasten the first stair tread plank into place, using a #8x2-1/2" high-quality coated, stainless steel or composite deck screw per stair stringer.
 - Fasten the remaining planks.
- 3 Rip a plank to fit and block as shown if needed. Use 3" trim head screws to attach.
 - Place the TwinRiser board directly on top of the last stair tread plank installed for the previous step.
 - Fasten TwinRiser board into place and repeat process for additional steps.



Plank Replacement

- 1 Cut down the length of damaged plank and pry it out.
- 2 Cut the heel off the replacement plank (outside leg on the groove side).
- 3 Slip the replacement plank into place. Using a 3" trim screw, fasten the plank from the top.
 - Push the "mushroomed" material down into the hole, using the side of a hammer to flatten it out to help hide the fastener.

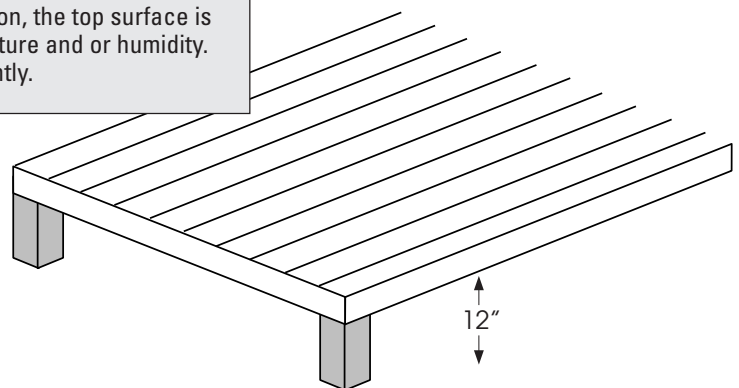
Your replacement plank will weather to match the rest of the surface in approximately 8-10 weeks. This process may vary depending on geographic location and specific application.



Important Reminder

There must be a minimum of 12" high unobstructed continuous airspace along three sides of the deck to allow cross ventilation. This should be located just below the bottom of the deck joist.

Floorizon Plank cannot be used in any application that does not have at least 12" from the bottom of the joist to the ground. Without adequate ventilation, the top surface is typically dry and underneath the deck could be damp from moisture and or humidity. This, in some cases, may cause the Floorizon profile to cup slightly.



TimberTech Earthwood®, TwinFinish®, 5/4, DockSider™ and 2 x 6 Planks

Choose the TimberTech Plank that fits your needs. There are five to choose from: Earthwood, TwinFinish, 5/4, DockSider and 2x6.

If you prefer a deck with a hidden fastener, select Floorizon with a built-in fastener system (page 3) or use TimberTech CONCEALoc Hidden Fasteners (page 7).

Fastening Guidelines

- Pre-drilling is required when within 1-1/2" of the ends of the plank and in cold weather.
- When applying screws, a raised area of material or mushroom effect may form around the head of the screw. This material may be tapped back into the hole of all planks, except Earthwood Plank. On Earthwood, set the head flush; if you get a mushroom or raised area we recommend dimpling the plank. To help reduce the effect, the use of a composite wood screw is recommended. Refer to the screw manufacturers instructions on how to further reduce the mushrooming of material.
- Do not use glue or caulk to fasten TimberTech planks or to seal the joint between two planks and any other surface. This will inhibit the natural expansion and contraction of the planks and will impeded the drainage of the deck.

Earthwood, TwinFinish and 5/4 Planks: Use a minimum #8 x 2-1/2" high-quality coated, stainless steel or composite deck screw.

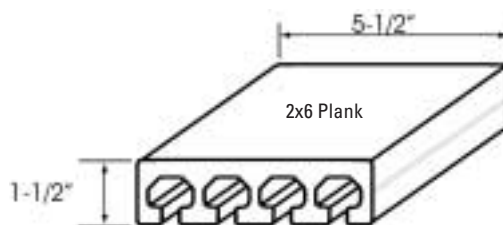
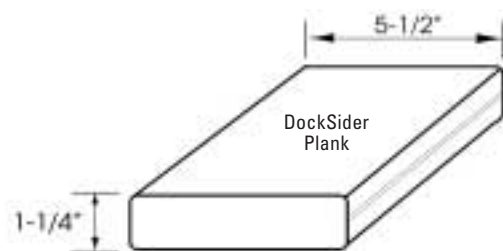
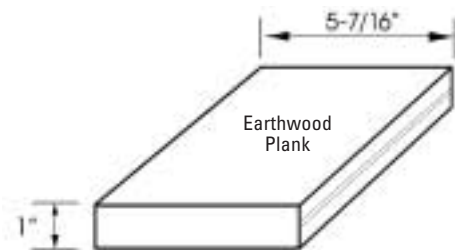
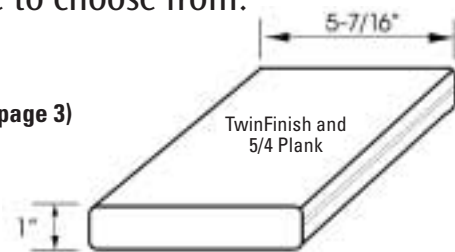
DockSider and 2x6 Planks: Use a minimum #8 x 3" high-quality coated, stainless steel or composite deck screw. Trim screws are not recommended with 2x6 Plank due to the hollows in the profile.

Important Information

- For use in areas with minimal obstructed continuous airflow such as roof and on-grade applications with a minimum of 1-1/2" sleeper system supported by and connected to the substructure over which the deck is built.
- To aid water run-off the deck should slope 1/2" for every 8' away from the house.

Standard Joist Spacing

TwinFinish, Earthwood and 5/4 Planks			
	90° Angle	30° Angle	45° Angle
200psf	16"	14"	12"
100psf	20"	18"	16"
DockSider Plank			
	90° Angle	30° Angle	45° Angle
200psf	22"	18"	16"
100psf	24"	20"	17"
2x6 Planks			
	90° Angle	30° Angle	45° Angle
200psf	16"	14"	11"
100psf	24"	20"	17"

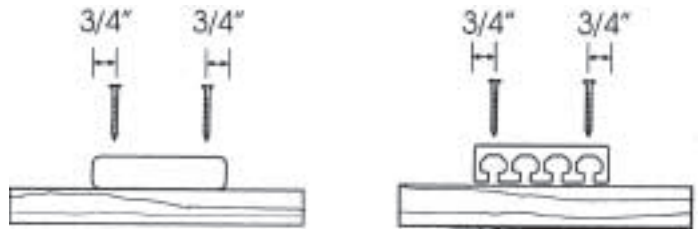
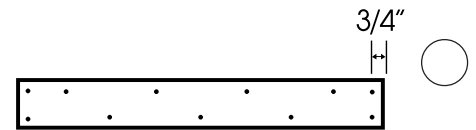


Special conditions will require an engineering inspection and/or reduced spans. Always consult local building codes. Maximum stair joists (stringer) spacing for decking planks is 12" on-center except for 2x6 Plank, which is 16" on-center. Make sure there is at least one stringer for support in the middle of the stair opening.

Installation Instructions

Install from the outside of the deck toward the house so the ripped plank is less noticeable.

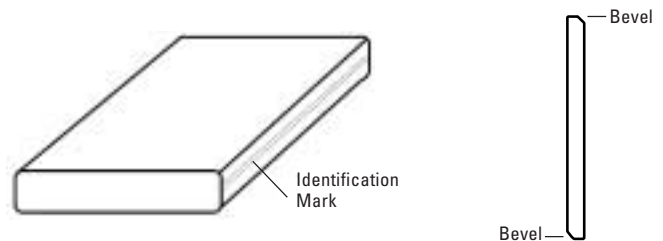
- 1 Fasten 3/4" from the outside edge of each plank, using two screws per joist including end joints.
 - You can also fasten the plank using one screw per joist in a staggered or alternating pattern. See diagram (you will still need to fasten two screws on the ends of each plank).
 - Pre-drill to fasten ends of boards to avoid splitting (within 1-1/2" of the end board).
- 2 Gap planks a minimum of 1/8" side to side, at all end joints and between the plank and any other surface including rail posts. The ends of the planks must fall on a joist. It is recommended that framing members at butt joint locations be doubled up for added fastening surface.
 - Rip last plank as needed to fit.
- 3 Install fasteners perpendicular to plank surface and drive flush. Do not overdrive or splitting may occur.



Directional Brushing

TwinFinish, 5/4, DockSider, 2x6 Planks, TwinFascia and TwinRiser Boards

TimberTech's brushed surface is directional in manner. A notch has been added to one side of the planks. When installing planks, this marked edge must be laid to the same side for the entire installation for a consistent appearance. The TwinFascia board has one long edge beveled on the front and back. To ensure a consistent appearance from board to board when installing the TwinFascia, the beveled edge must be laid to the same side. If you rip a piece of TwinFascia be sure to note the location of the bevel on the ripped piece to ensure consistency.

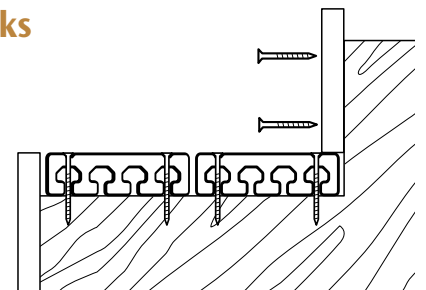


Note: This is not an issue for Floorizon planks because the tongue-and-groove system ensures the product is installed such that the brushed surface is in the same direction.

Stairs with Earthwood, TwinFinish, 5/4, DockSider and 2x6 Planks

TimberTech does not recommend installing planks on steps without a riser board.

- Ensure the stringer step is at least the depth of two full planks plus a minimum 1/8" gap between planks.
- Ensure there is at least one stringer for support in the middle of the stair span. Maximum stringer spacing for stairs is 12" on-center.
- Attach a TimberTech TwinRiser board to the front of the bottom step. Cut the TwinRiser 1-1/2" higher than the step for 2x6 planks, 1-1/4" for DockSider and 1" higher for 5/4 planks (Earthwood, TwinFinish and 5/4 Planks).
- Leave a 1/8" minimum gap between the planks and any other surface including rail posts.
- Place the TwinRiser board directly on top of the last plank installed for the previous step to create the next step. Repeat the process above.



To use CONCEALoc Hidden Fasteners with Earthwood Solid, TwinFinish, 5/4 and DockSider Planks

- See page 8, number 9.

TimberTech Earthwood Grooved Planks With CONCEALoc™ Fastener

No visible screws on grooved planks when installed with CONCEALoc™ Hidden Fasteners.

Coverage

- To cover approximately 100 sq. ft. of decking:
 - 12" on center: you will need approximately 210 CONCEALoc Fasteners.
 - 16" on center: you will need approximately 175 CONCEALoc Fasteners.
- One box of TimberTech CONCEALoc Hidden Fasteners contains 175 stainless steel, brown fasteners, 184 stainless steel deck screws and one drive bit.

Earthwood Standard Joist Spacing			
	90° Angle	30° Angle	45° Angle
200psf	16"	14"	12"
100psf	20"	18"	16"

Important Information

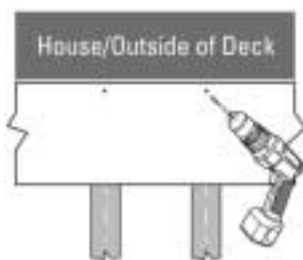
- Warning! Parts have sharp points and edges. Use caution when handling and installing. Wear safety glasses at all times.
- For use in areas with minimal obstructed continuous airflow such as roof and on-grade applications with a minimum of 1-1/2" sleeper system supported by and connected to the substructure over which the deck is built.
- To aid water run-off the deck should slope 1/2" for every 8' away from the house.
- To use CONCEALoc Hidden Fasteners with Earthwood, TwinFinish, 5/4 and DockSider Solid Planks see page 8. Do not use with TimberTech 2x6 Plank.

* Calculation based on Earthwood Planks.

Installation Instructions

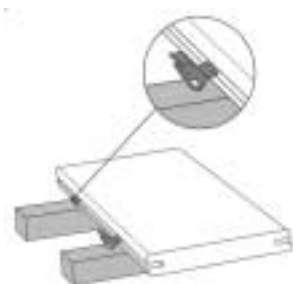
1 Install the First Plank

- Pre-drill with 5/32" drill bit and fasten outer edge of the first plank at each framing support 1" from the edge using #8 x 2-1/2" high quality coated, stainless steel or composite deck screws. Stainless steel finish nails may also be used for first and last board attachment.



2 Position CONCEALoc Fasteners

- Fully insert the CONCEALoc fastener into grooved edge of plank. Screw hole should be lined up with the center of support joist.



3 Install CONCEALoc Fasteners

- Install provided screw at 45° angle through the fastener and into the joist while applying pressure on the fastener.
- Install one fastener and screw at each joist.
- Make sure fastener is in full contact with edge of plank and the screw is holding the fastener down tight to the deck board.
- Screw hold should be lined up with the center of the joist.



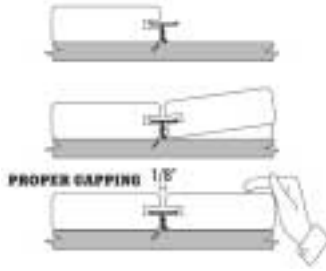
4 Complete Installation

- Place the next plank into position against the fasteners. Slightly raise the outer edge of the plank being installed and slide it onto the fastener until the plank contacts the spacer tab.
- A light hand tapping may be required.
- The last plank will need to have the outside edge attached using the method described in Step #1. It may be necessary to rip the last plank to fit.



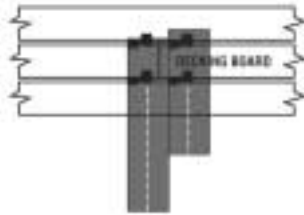
5 Proper Gapping

- Check the gap between the planks for consistency. Apply light force to ensure board is fully installed.
- Repeat previous steps until deck is complete.



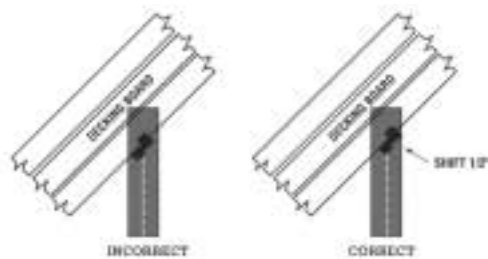
6 How to Install at Butt Joints

- All butt joints must be doubled up for proper fastener attachment.
- Install fasteners and screws at each joist of the first board including the joist at the joint.
- Install second board in the same fashion and place a second fastener at the joint attaching it to the framing block.
- All butt joints must have a 1/8" gap between the boards.



7 How to Install on Angles

- When the deck is located in a corner of the house, start with small triangular piece of decking in the corner and work your way out.
- Offset the center 1/2" towards the long point of the joist, so screw will not exit the side of the joist when driven.

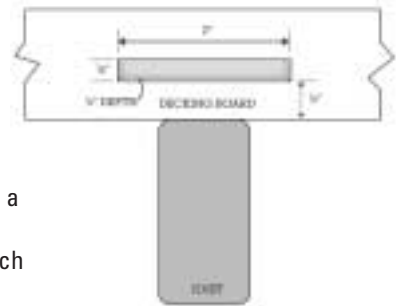


8 How to Replace a Plank

- Make two parallel cuts down the center of the board to be replaced, then remove the center piece.
- Using a small pry bar, remove the remaining pieces of decking from the tabs.
- Using a reciprocating saw, remove the tabs on the side of the board with the screw heads showing.
- Position new board into place, and carefully drive onto remaining tabs.
- Once the board is set into position, secure the loose edge with finish nails.

9 To use CONCEALoc Hidden Fasteners with Earthwood Solid, TwinFinish, 5/4 and DockSider Planks

- Create a 2" long groove on the edge of the plank at every joist or groove the entire length of the plank.
 - Use a 1/4" slot cutting bit (Freude model #56-112, Bosch #85610M).
 - Flip the plank over and start the groove 3/8" off the bottom of the plank.
 - Set the depth of the cut to a minimum of 7/16".
 - Not for use with TimberTech 2x6 Plank.



Note: When routing groove full length of the planks: Be sure to ID the side of the plank that has the directional V-notch; when installing, the planks with IDs should be installed to the same side. See Directional Brushing on page 6.

10 For Earthwood Plank stairs use Earthwood Solid Plank

- See page 6.

TimberTech's railing solutions complement any outdoor space. With two attractive systems and an array of accessory choices, you can build the ultimate deck.

RAILING & RAILING ACCESSORIES	Size	Color					
		Cedar	Grey	Redwood	Whitesand	Coastal White	Classic Black
RADIANCE RAIL®							
6' RadianceRail Kit-Square Balusters	6' length - 36" high					X	X
6' RadianceRail Kit-Square Baluster	6' length- 42" high					X	
8' RadianceRail Kit-Square Balusters	8' length- 36" high					X	X
8' RadianceRail Kit-Square Balusters	8' length- 42" high					X	
Top Rail Bulk Component	8' length					X	X
Bottom Rail Bulk Component (no pre-drilled holes)	8' length					X	X
Support Rail Bulk Component	8' length					X	X
Hardware Mounting Kit	N/A						
Post Cover for 4x4 Post	5" x 5" x 42"					X	X
Post Cover for 4x4 Post	5" x 5" x 12'					X	X
Post Cap	N/A					X	X
Post Skirt	N/A					X	X
ORNAMENTAL RAIL							
6' Ornamental Railing Kit:	6' wide	X	X	X	X		
8' Ornamental Railing Kit:	8' wide	X	X	X	X		
6' Baluster Kit, 16 Pre-Cut Solid Square, 36" rail ht.	1-5/16" x 1-5/16" x 27"	X	X	X	X		
8' Baluster Kit, 20 Pre-Cut Solid Square, 36" rail ht.	1-5/16" x 1-5/16" x 27"	X	X	X	X		
6' Spindle Kit, 15 Pre-Cut, 36" rail ht.	1-3/8" x 1-3/8" x 27"	X	X	X	X		
8' Spindle Kit, 19 Pre-Cut Solid Square, 36" rail ht.	1-3/8" x 1-3/8" x 27"	X	X	X	X		
Post Cover for 4x4 Post	4-1/4" x 4-1/4" x 4'	X	X	X	X		
Post Cover for 4x4 Post	4-1/4" x 4-1/4" x 12'	X	X	X	X		
Baluster, Solid Square	1-5/16" x 1-5/16" x 12'	X	X	X	X		
Post Cap, Flat	N/A	X	X	X	X		
Post Cap, Copper Pyramid	N/A	X	X	X	X		
Post Cap, Stainless Steel Pyramid	N/A	X	X	X	X		
Post Skirt	N/A	X	X	X	X		

RadianceRail® System

RadianceRail kits are simple to install - one 6' or 8' RadianceRail Kit contains material for a straight, angled or stair rail system.

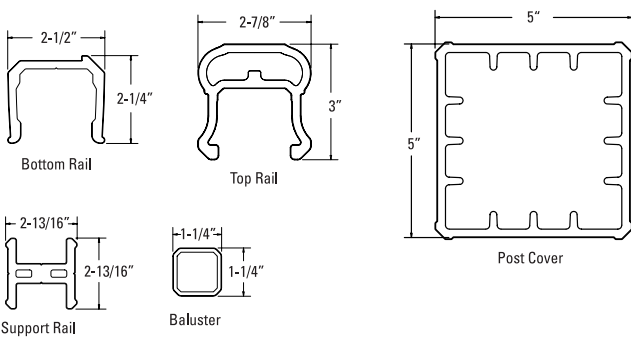
Measure Your Rail Area

- Determine how many 6' or 8' RadianceRail Kits you need and check to be sure you have all the components (and quantities) listed in the chart and shown below.
- Measurements are from center to center of post. Kits are produced to 6' and 8' to allow for finished end caps and angles.

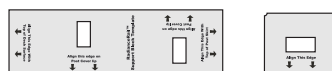
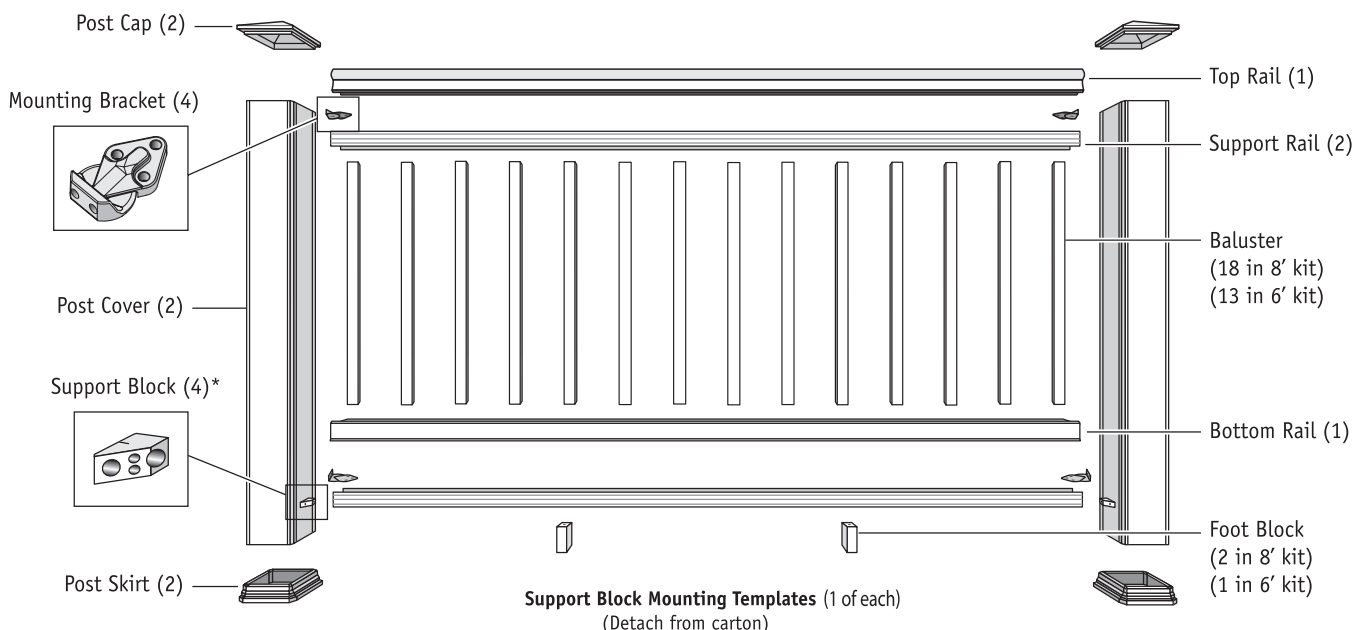
Important Information

- RadianceRail 6' and 8' Kits are designed not to exceed 6' and 8' center of post to center of post, respectively.
- 4x4 lumber posts should be installed plumb.
- Post Skirts will not fit properly on the deck if your rail 4x4 posts are notched over the rim joist.
- Cut slowly, using a fine tooth saw blade to avoid chipping.
- For commercial stair applications center to center of post dimension must not exceed 92" (effective railing length of 87")

Component Dimensions



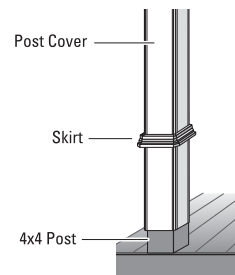
Components Needed For Installing One RadianceRail System							
Components Included in 6' and 8' Kits	1 - Top Rail 1 - Bottom Rail 2 - Support Rails Foot Blocks - 1 in 6' Kits -2 in 8' Kits Square Balusters -13 in 6' kits -18 in 8' Kits						
Hardware Included in 6' and 8' kits	Hardware Mounting Kit 4 - Mounting Brackets 4 - Support Blocks 12 - #8x3/4" Screws 6 - #8x2" Screws 16 - #8x3" Green Coated Screws Support Block Mounting Templates Only two support blocks are required for straight and angled sections. Four are required for each stair rail. <table border="0"> <tr> <td>Baluster Screw Kit-6' Kits</td> <td>Baluster Screw Kit-8' Kits</td> </tr> <tr> <td>13 - #8x2" Coated Screws</td> <td>18 - #8x2" Coated Screws</td> </tr> <tr> <td>13 - #8x3" Coated Screws</td> <td>18 - #8x3" Coated Screws</td> </tr> </table>	Baluster Screw Kit-6' Kits	Baluster Screw Kit-8' Kits	13 - #8x2" Coated Screws	18 - #8x2" Coated Screws	13 - #8x3" Coated Screws	18 - #8x3" Coated Screws
Baluster Screw Kit-6' Kits	Baluster Screw Kit-8' Kits						
13 - #8x2" Coated Screws	18 - #8x2" Coated Screws						
13 - #8x3" Coated Screws	18 - #8x3" Coated Screws						
	T-20 torx driver bit						
Additional Components Needed for Each System	2 - Post Covers 2 - Post Caps 2 - Post Skirts 7/64" and 3/16" drill bit						



Installing Straight and Angled Rails

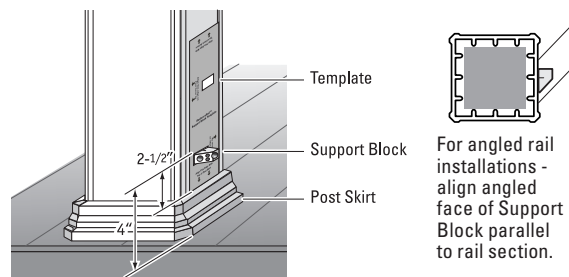
1 Install Post Covers

- Trim Post Covers to desired length. 38-1/2" above deck surface is optimal for 36" railing heights, but could be longer is desired.
- Slide Post Cover and Post Skirt over post. Cover should slide easily over post, DO NOT FORCE.
- Using a level and shims, plumb the post cover vertically. Taking the time to do this will make the installation process much easier.



2 Install Lower Support Blocks

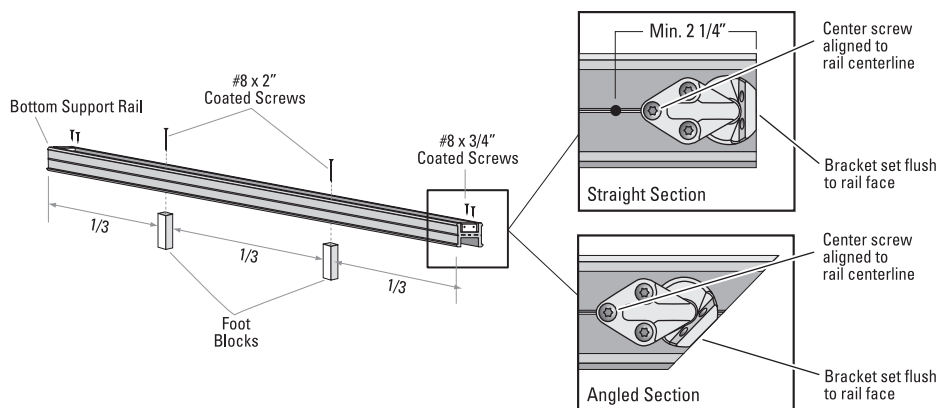
- Locate and detach the Support Block Mounting Template from the hardware compartment of the carton.
- Position template at the bottom of the Post Cover, resting it on the top of the Post Skirt. (Note: The template can be used with or without a Post Skirt. Follow the instructions on the template for your application.)
- Use template to align Support Block to center of post, pre-drill with 7/64th inch drill bit and attach with two #8 x 3" green coated screws.
- If you do not have the template, position the top of the support block 4" above the deck surface or 2-1/2" above the top of the post skirt.



For angled rail installations - align angled face of Support Block parallel to rail section.

3 Cut and Pre-Assemble Bottom Support Rail

- Measure the distance between the posts near the bottom and the angle to the rail run.
- Cut the bottom Support Rail to length. Make sure the pre-drilled holes in the Support Rail are not within 2-1/4" of your end cuts.
- Position Mounting Brackets at each end of the Support Rail, pre-drill with 7/64th inch drill bit and attach with #8 x 3/4" coated screws.



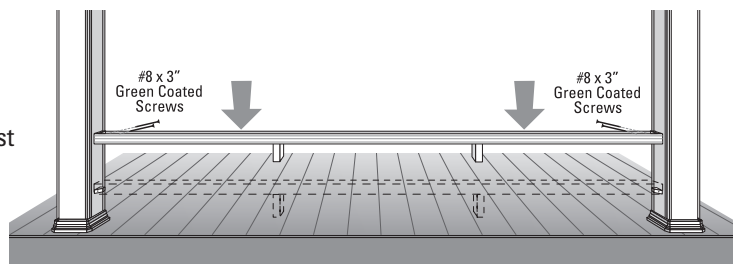
For straight sections: align bracket face to rail end, and align center screws to rail centerline.

For angles sections: align bracket face to angled face, and align center screw to rail centerline.

- Position Foot Blocks and attach to rail using existing holes or pre-drill using 3/16" drill bit and attach with #8 x 2" coated screws.
- For sections 6' to 8':** Space two Foot Blocks approximately 1/3 of the way down the rail.
- For sections up to 6':** Place one Foot Block in the center of the rail.

4 Install Bottom Support Rail

- Position Rail assembly onto Support Blocks.
- Pre-drill 7/64th inch pilot holes through Post Cover and into post through the holes in the Mounting Brackets.
- Secure brackets to posts with #8 x 3" green coated screws.



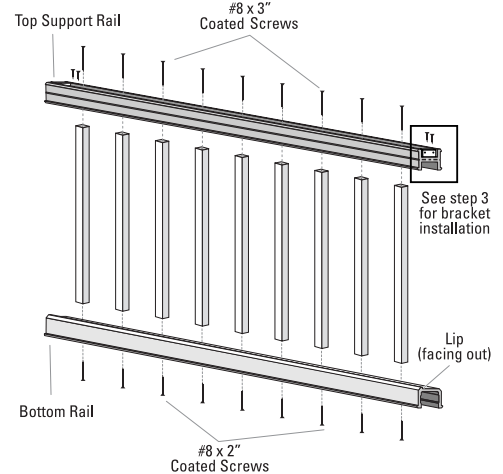
5 Space Baluster and Trim Rails

- Measure the distance between the posts at the bottom Support Rail.
- Transfer measurement to Bottom Rail. To maximize the Baluster spacing between the end Balusters and post, center the measurement on a pre-drilled hole or half way between two pre-drilled holes. The space between the end baluster and post can not exceed 4" and the last hole must not be closer that 2-1/4" to the end of the bottom rail.
- Once the desired layout is achieved, trim the Bottom Rail to length.
- Measure the distance between the posts near the top of the post and repeat the Baluster layout process on the top Support Rail.
- Position lip on Bottom Rail toward the outside of the deck.

6 Assemble Baluster

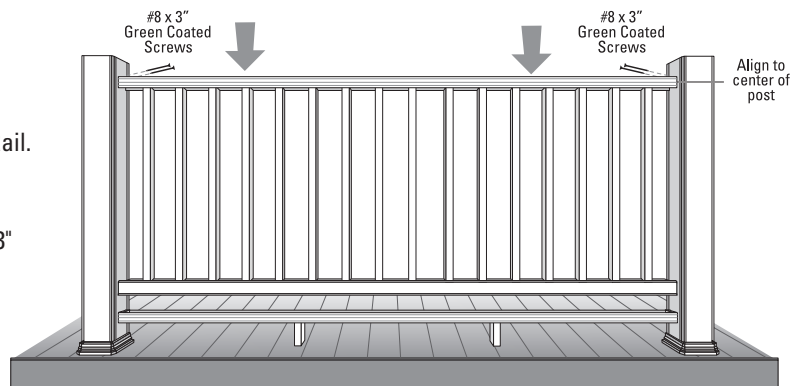
- Position and secure Mounting Brackets at each end of the top Support Rail as outlined in Step 3.
- Lay out Square Balusters along the top Support Rail, aligning them with the pre-drilled holes. Secure with #8 x 3" coated screws.
- Position Bottom Rail, using the lip to help align Balusters. Secure with #8 x 2" coated screws.

Note: Each end of every Baluster contains 2" of solid material for adequate Baluster attachment.



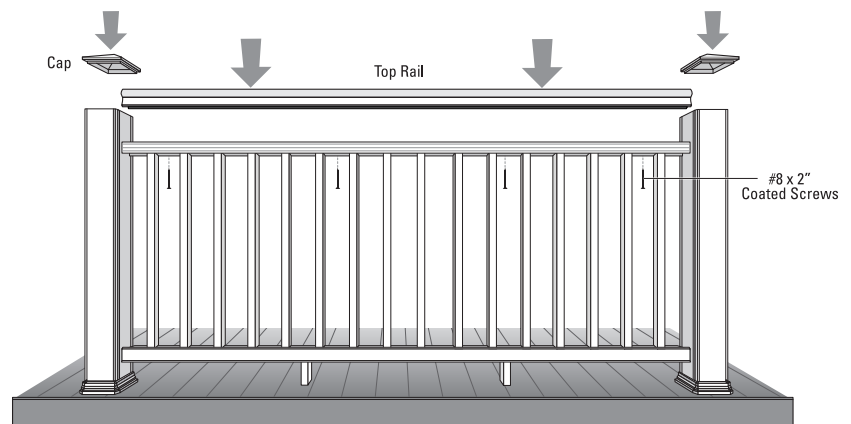
7 Install Rail Assembly

- Position rail assembly over bottom Support Rail.
- Align top Support Rail to center of posts.
- Pre-drill with 7/64th inch drill bit and secure Mounting Brackets to Post Covers with #8 x 3" green coated screws.



8 Install Top Rail & Post Caps

- Measure and cut Top Rail to length. Trim both ends to ensure a clean, square cut.
- Pre-drill four screw holes down through the top Support Rail to attach the Top Rail.
- Position Top Rail over Support Rail. Secure near each end and along the middle with four #8 x 2" coated screws angled upward between the Balusters.
- Finish installation by positioning Post Caps, and secure using exterior grade caulk applied to the underside of the cap.



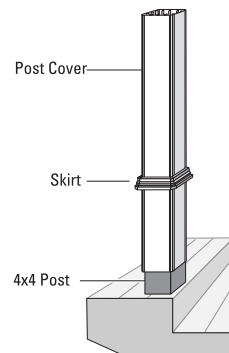
Caution: Screws must be 2" so they won't protrude through the Top Rail.

Installing Stair Rails

- Consult your local building codes for stair rail requirements.
- Maximum center to center post spacing for stair rail applications:
Residential: 8' (91" rail length) Commercial: 7' 3" (87" rail length)

1 Install Post Covers

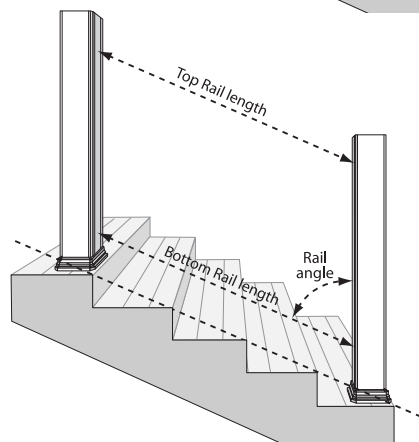
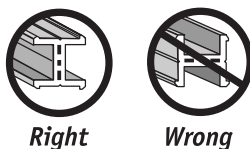
- Trim Post Covers to desired length.
- Slide Post Cover and Post Skirt over post. Cover should slide easily over post, DO NOT FORCE.



2 Trim Rails

NOTE: Support Rails are rotated 90° for stair rail applications

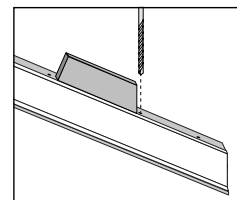
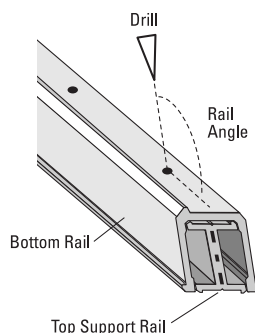
- Check to ensure that posts and covers are plumb.
- Determine measurements and angle as shown in the diagram below.
- Trim both the top Support Rail and the bottom Support Rail to those dimensions. Test fit rails to check for accuracy. Make sure the pre-drilled holes in the support rail are not within 2-1/4" of the end cuts.
- Transfer measurement from bottom Support Rail to Bottom Rail. To maximize the Baluster spacing between the end balusters and posts, center the measurement on a pre-drilled hole or half way between two pre-drilled holes. Trim Bottom Rail.
- Trim Top Rail to match top Support Rail.



3 Drill Baluster Holes

It is necessary to drill Baluster screw holes in the top Support Rail.

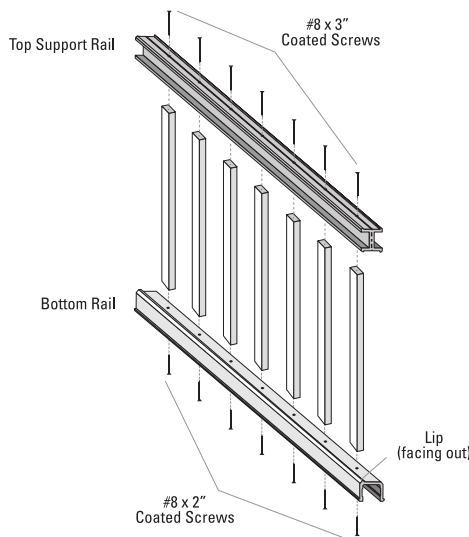
- Snap the Bottom Rail and the top Support Rail together as shown to keep the holes aligned.
- Drill 3/16" hole through the top Support Rail using the Bottom Rail holes for alignment, drilling at the same angle used to cut rail ends.
- Separate the two rails, once all holes are drilled.



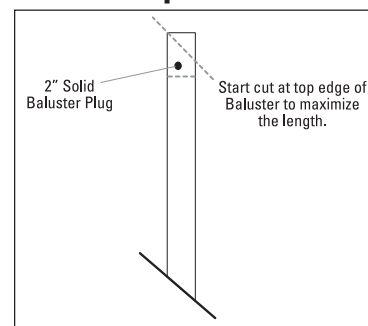
Note: Use a scrap piece of wood with the railing angle as a guide for your drill bit.

4 Assemble Balusters

- Trim Balusters to desired length, and angle making sure to cut equal amounts from each end of baluster.
- Lay out Baluster along the top Support Rail, aligning them with the holes drilled in step 3. Secure with #8 x 3" coated screws.
- Position Bottom Rail, using the lip to help align Balusters. Secure with #8 x 2" coated screws.

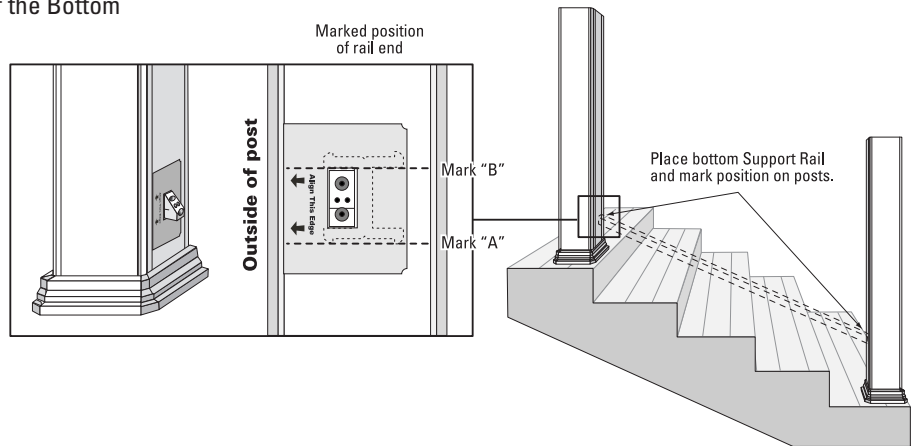


Important



5 Install Lower Support Blocks

- Place Top Rail onto the railing assembly and measure the distance from top of the Top Rail to the bottom of the Bottom Rail. Transfer this dimension to the post cover measuring down from the desired position of the Top Rail.
- Position a scrap piece of support rail that has been cut to the same angle of the stair on mark "A" and place a mark at location "B" (see B). Support block must be offset to the outside of the post.
- Use the template as shown below to position Support Blocks.
- Pre-drill with a 7/64th inch drill bit and secure lower Support blocks to post with #8 x 3" green coated screws. Align the angled face with the direction of the rail slope as shown.



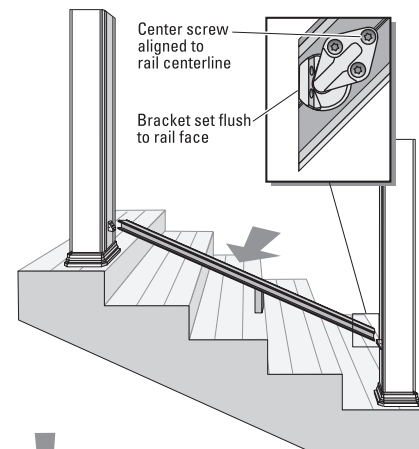
6 Install Bottom Support Rail

- Pre-drill with a 7/64th inch and attach Mounting Brackets to the inside of the bottom Support Rail at each end with #8 x 3/4" coated screws. Brackets must be installed to the stair tread side of the rail.
- Position Foot Blocks and attach to rail, pre-drill using 3/16th inch drill bit and attach with #8 x 2" screws.

For sections 6' to 8': Space two Foot Blocks approximately 1/3 of the way down the rail.

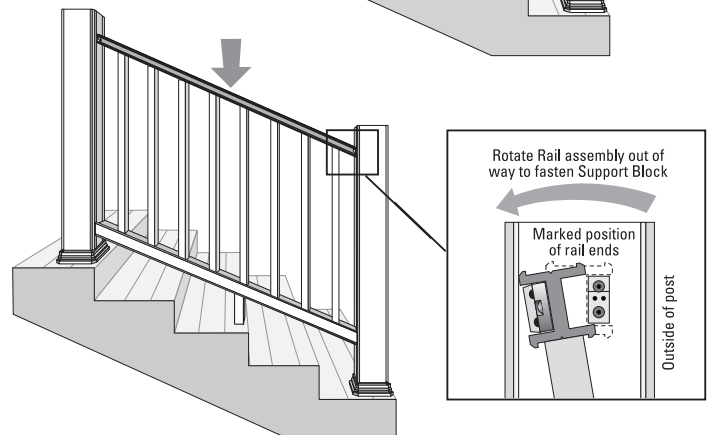
For sections up to 6': Place one Foot Block approximately in the center of the rail.

- Position bottom Support Rail between post and pre-drill 7/64th inch pilot holes through Post Cover and into post through the holes in the Mounting Brackets.
- Secure Mounting Brackets to posts with #8 x 3" green coated screws.



7 Install Rail Assembly

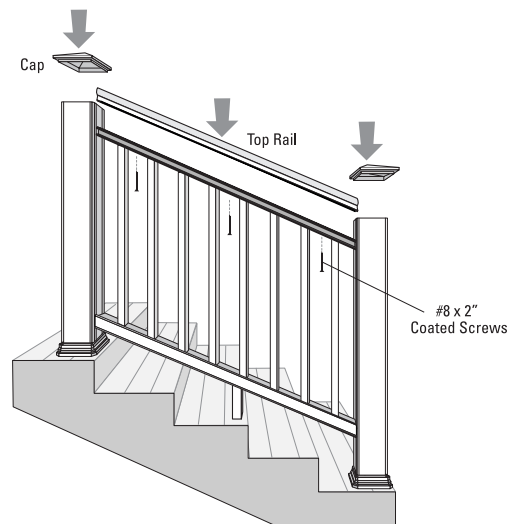
- Position rail assembly over bottom Support Rail, and align top Support Rail to center of posts.
- Mark ends of top Support Rail. Gently push top Support Rail to the side to obtain necessary clearance to attach Support Blocks.
- Attach Support Blocks in marked position. Pre-drill with 7/64th inch pilot holes and secure with #8 x 3" green coated screws.
- Swing rail assembly back against Support Blocks. Pre-drill 7/64th inch pilot holes and secure Mounting Brackets to posts with #8 x 3" green coated screws.



8 Install Top Rail & Post Caps

- Position Top Rail over Support Rail. Secure near each end and along the middle with #8 x 2" coated screws angled upward between the Balusters.
- Position Post Caps and secure using exterior grade caulk applied to the underside of the cap to finish installation.

Note: Depending on your angle, the screws used to attach the Top Rail may need to be longer than 2".



Ornamental Rail System

Ornamental Rail Kits are available in 6' and 8' lengths and include fasteners and pre-drilled rails.

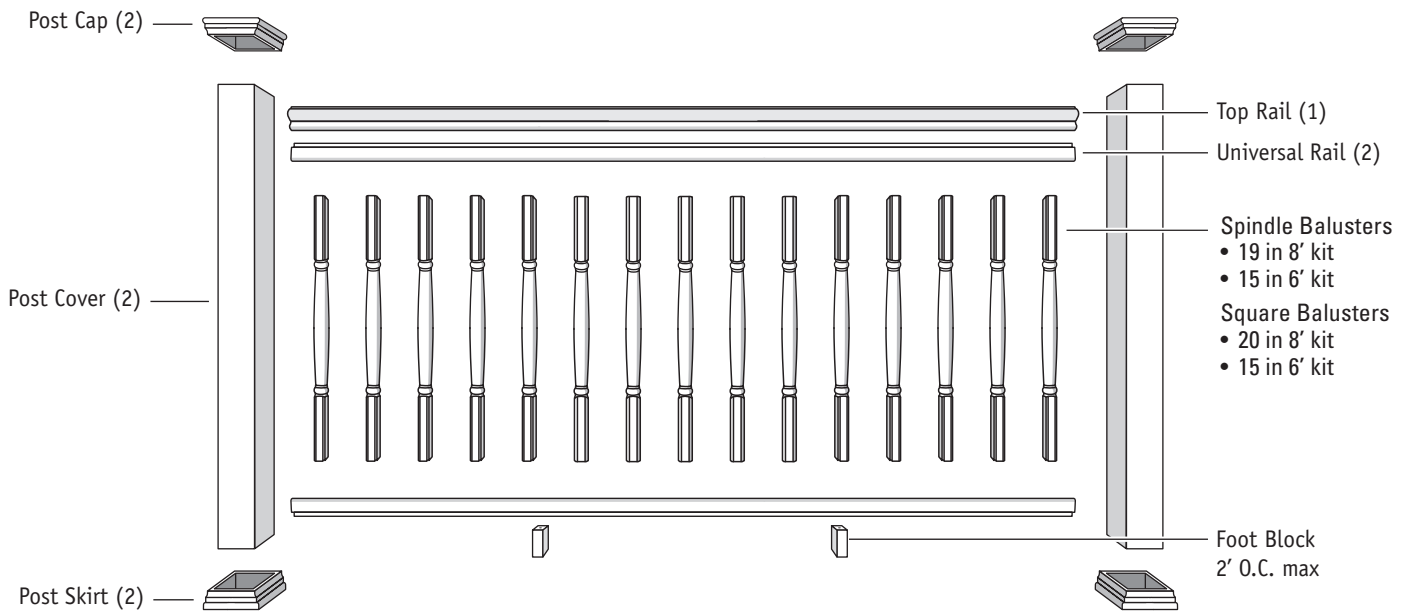
Measure Your Railing Area

Determine how many 6' or 8' Ornamental Rail Kits you need and check to be sure you have all the components (and quantities) listed in the chart and shown below.

Each 6' and 8' Ornamental Rail Kit Includes:	Additional components you will need for each kit:
• 1-Ornamental Top Rail	• One Spindle or Square Baluster kit for each section
• 2-Universal Rails	• 2-Post Covers
• All fasteners/screws needed to complete installation	• 2-Post Caps
• Screw Kits 6' Kit: (44) #8x3-1/2" Screws 8' Kit: (55) #8x3-1/2" Screws	• 2-Post Skirts
• T-20 torx driver bit	

Important Information:

- Pre-drilling is required for all fastener locations.
- Heights specified in this guide are for 36" residential use.
- TimberTech should never be used as structural components.
- Prior to installation it is recommended that you consult your local building codes.
- Protective clothing and safety glasses are recommended.
- For all TimberTech products, standard woodworking tools may be used.
- As with any outdoor product, periodic cleaning is recommended.



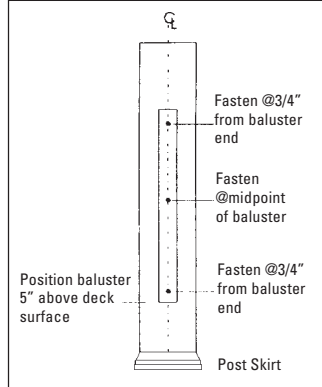
Assembly

1 Ensure 4x4s are vertically plumb

- Slide Post Cover and Post Skirt over 4x4 posts. Due to irregularity of dimensional lumber, posts may need to be planed. Do not force cover over post.

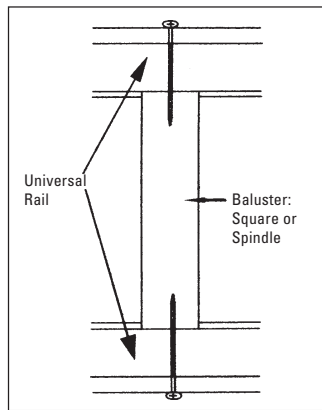
2 Attach Baluster to Post

- Center and mount one baluster to each post. Position the baluster 5" above the deck surface. See diagram for fastener locations. If using Ornamental Spindle, for increased aesthetic appeal, you may want to rip the spindle in half prior to post attachment.



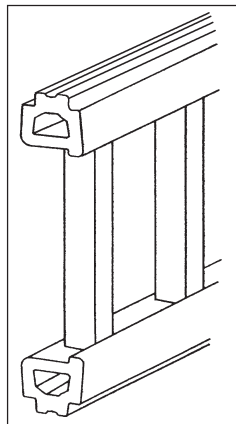
3 Attach Baluster

- Measure the distance between posts near the top and bottom and transfer these measurements to the Universal Rails. Remembering to allow space for the post mounted baluster at each end. The measurement can be centered on a pre-drilled hole or halfway between two. If the baluster at each end of the railing assembly is close to the post-mounted baluster, you may achieve a more balanced look by moving the balusters to an intermediate position. Remember that TimberTech baluster spacing must not exceed 5" from center to center.
- Once layout has been determined, cut the Universal Rails to length and install the balusters. Proceed to step 4.
- Attach your balusters to the two Universal Rails to create rail assembly. Remember that TimberTech baluster spacing must not exceed 5" from center to center.



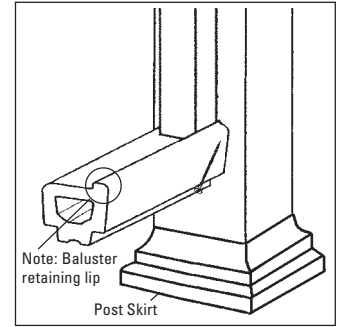
4 Attach Main Rail Assembly

- Once you have the main rail assembly completed, slide the assembly onto the post-mounted balusters. Baluster retaining lip on the universal rails must be installed to the outside of the deck.



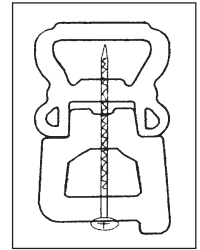
5 Attach Main Rail Assembly to Post

- Fasten main rail assembly to posts through the universal rail into the post at a 30° angle from the horizontal starting 1-1/4" in from end of rail.
- Use two screws at the upper universal rail and one screw at the lower universal rail.



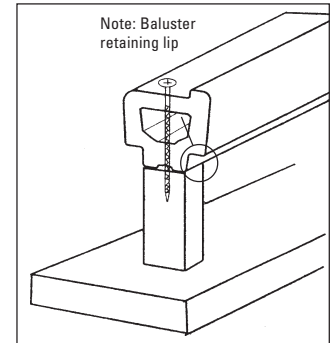
6 Attach Ornamental Rail

- Place Ornamental Top Rail in place and fasten at every fourth baluster space to ensure proper attachment.



7 Attach Foot Blocks

- Cut foot blocks from balusters.
- Attach foot blocks under the universal rail every 2'-0" on-center to ensure proper rail support.



8 Place TimberTech Post Caps over posts and fasten with stainless steel finish nails or exterior caulk

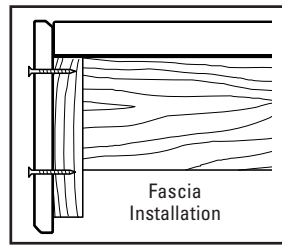
- Fasteners are included in each rail kit.

Accessories

Trimming a TimberTech Deck

TwinFascia®

12' lengths, 10" and 12" wide by 0.60" thick. Available in TimberTech Cedar, Grey, Redwood and Whitesand. Cedar, Grey and Redwood have one brushed side and one VertiGrain side.



Whitesand has one smooth side and one ribbed (serrated) side.

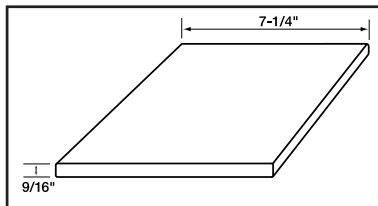
Tropical Rosewood, Tropical Teak, and Tropical Walnut have one serrated side and one VertiGrain side.

- Lay the beveled edge to the same side to ensure a consistent appearance from board to board when installing TwinFascia. If you rip a piece of TwinFascia be sure to note the location of the bevel on the ripped piece to ensure consistency.
- Nailing Recommendations - A minimum 1-1/2" stainless steel finish nail, 15 gauge (4d) or ring shank nail, 12.5 gauge (6d) is recommended if nailing is desired.
- Nail 1" from the top and bottom and one in the center applied 8-10" on-center.

TwinRiser™

12' lengths and is 0.6" thick x 7.3" wide. TwinRiser is available in TimberTech Cedar, Grey, Redwood and Tropical Rosewood, Tropical Teak and Tropical Walnut.

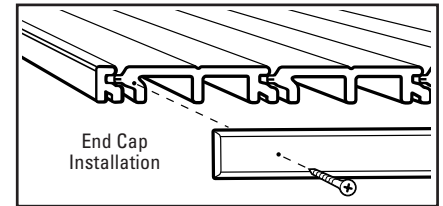
- Use as a riser for stairs.
- Brushed VertiGrain surface on one side, and brushed surface on the other side for TimberTech Cedar, Grey and Redwood colors.



- VertiGrain surface on one side and serrated surface on the other side for Tropical Rosewood, Tropical Teak and Tropical Walnut.
- Can also be used as a fascia board for a 2x8 rim joist.
- Fasten the same as TwinFascia. See product installation instructions for more details.

End Cap

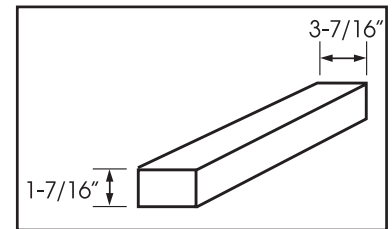
12' lengths and 3/8" thick by 1-1/2" wide. The End Cap is available in TimberTech Cedar, Grey and Redwood.



- Pre-drill holes through End Cap and deck plank and fasten with #8 x 1" stainless steel or high quality coated screws. Fastener spacing is every 12".
- Can be use as batten strip for dock piling.

BuilderBoard®

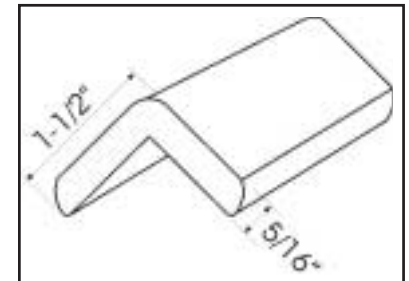
16' lengths and 1-7/16" thick by 3-7/16" wide. BuilderBoard is available in TimberTech Cedar, Grey and Redwood.



- General purpose profile use for building blocks.
- Not for use as deck plank.
- Pre-drilling is required.

Outside Corner Moulding

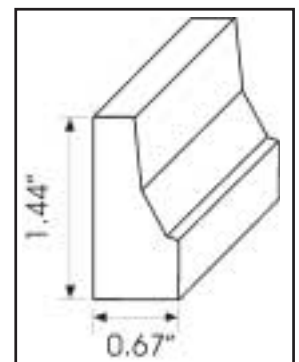
12' lengths and 5/16" thick by 1-1/2" x 1-1/2". Outside Corner Moulding is available in TimberTech Cedar, Grey, and Redwood.



- Fasten 1" from end and every 12" using stainless steel 1-1/2" brad nails or finish nails.
- Use for any outside corner application; vertical or horizontal.

Inside Corner Moulding

12' lengths and 0.67" x 1.44" outside dimensions. Inside Corner Moulding is available in TimberTech Cedar, Grey and Redwood.



- Fasten 1" from end and every 12" using stainless steel 1-1/2" brad nails or finish nails.
- Use for post skirts, flashing at house and deck and other inside corner applications.

TimberTech DrySpace- The Deck Drainage System

DrySpace is a revolutionary deck drainage system that collects the water that falls between the gaps in the planks and channels it away, leaving a virtually dry and functional space below. Perfect for second story decks, DrySpace easily secures to the joists of any new or existing deck with 12" and 16" on-center joist spacing. Minor dripping may occur.

DrySpace Kits

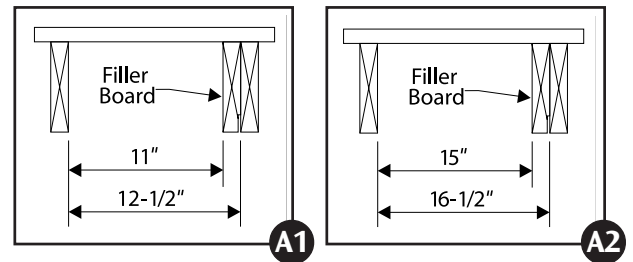
Kit	Length	Lbs. Unit	O.C. V-Panels		Combo Brackets		12' Ledger F-bracket
			12"	16"	12'	16'	
12" O.C.	12'	504	6		7		1
16" O.C.	12'	546		6	7		1
16" O.C.	16'	738		6		7	1

Also Available in Bulk

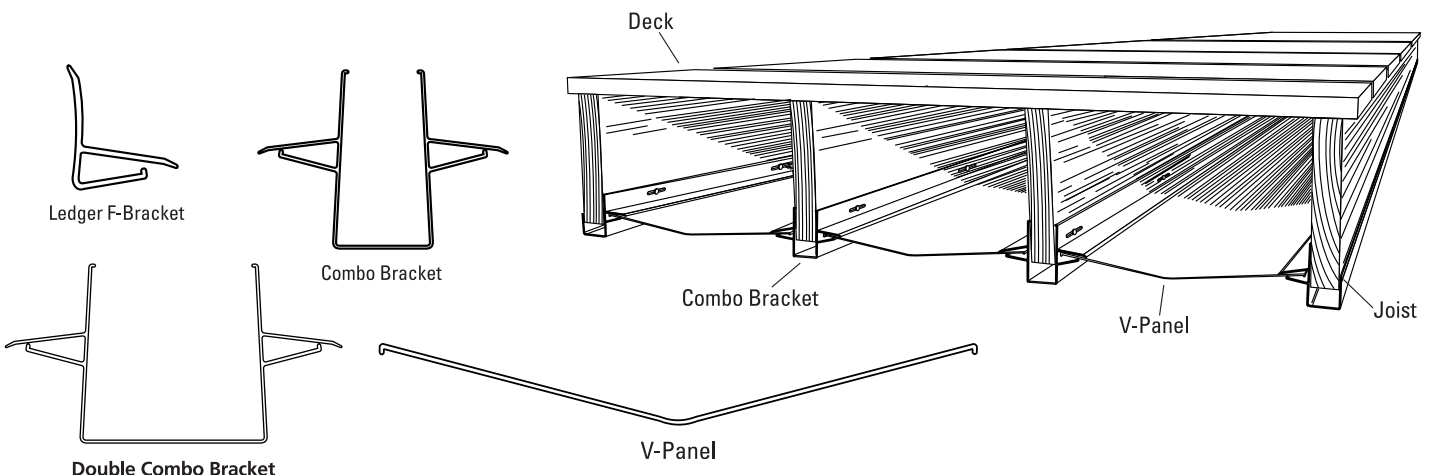
Components	Length	Qty./ Carton	Lbs./ Carton
12" O.C Panels	12'	12	53
12" O.C Panels	16'	12	70
16" O.C. Panels	12'	12	74
16" O.C. Panels	16'	12	98
Combo Brackets	12'	7	43
Combo Brackets	16'	7	57
Ledger F-Brackets	12'	20	50
Double Combo Bracket	16'	5	48

Important Information

- DrySpace is designed for decks with 12" and 16" on-center joist spacing. A 2x6 filler board can be installed to accommodate joist spacing up to 14" for the 12" on-center and 18" for the 16" on-center. The open space between on-center joists should not be more than 11" for the 12" on-center (Fig. A1), and no more than 15" for the 16" on-center (Fig. A2). **For decks with joist spacing greater than 14" on-center, the DrySpace kit for 16" on-center joists should be used, and for decks with joist spacing greater than 18" on-center.**
- Installation of DrySpace must stop a minimum of 3" before the TwinFascia. This allows water to exit the DrySpace panel and provide for ventilation.
- Never install DrySpace over a beam.
- DrySpace should not be spliced to achieve longer runs. Lapping the system could result in leakage.
- **DrySpace must be installed so that water runs away from the house.**
- Appliances, such as dryers and exhaust fans, should not be vented into the space between the deck surface and DrySpace panels.
- See timbertech.com for additional installation tips.



For Decks With 12" and 16" On-center Joist Spacing

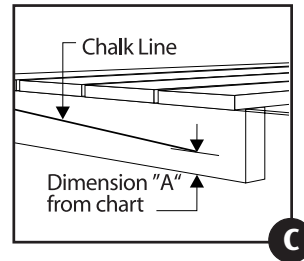


Installation Instructions for decks with 12" and 16" on-center joist spacing

1 Determine the correct installation pitch

DrySpace must be installed with a pitch of 1/8" per foot (**Fig. B**). Mark the correct pitch on each side of the joist with a chalk line. Measure from the bottom of the joist (**Fig. C**). A 16' long Combo Bracket installation will have an overall downward pitch of 2" from the house to the front of the deck. **The pitch must be directed away from the house.**

Joist Length	Dimension "A"
6'	2-1/4"
8'	2"
10'	1-3/4"
12'	1-1/2"
14'	1-1/4"
16'	1"



2 Ledger F-Bracket installation

Cut the Ledger F-Bracket 1/4" shorter than the joist opening. Measure 1-1/2" from the bottom of the joist (**Fig. E**). Then fasten the Ledger F-Bracket to the ledger board by driving 1" hot dipped galvanized (meet ASTM A 153 class D are acceptable) roofing nails (or deck screws) in the center of the nail slots. Do not overdrive the fastener, but make sure the Ledger F-Bracket is firmly secured.

3 Install Combo Brackets

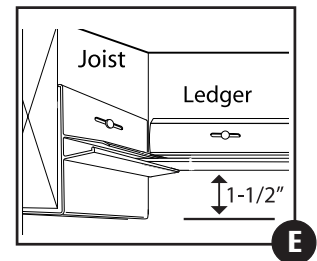
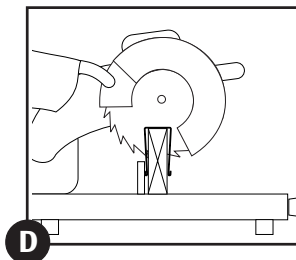
NOTE: The Combo Bracket includes integral brackets on each side to insert and hold the V-Panel. Bracket must stop at beam.

3a - Measure bracket length. Then cut the DrySpace Combo Bracket 1" shorter than the joist length. **NOTE: To ensure a straight clean cut, place a scrap piece of 2x4 wood inside the Combo Bracket. Cut with a miter saw (Fig. D).**

3b - Slide each DrySpace Combo Bracket over the joist bottom. Make sure the integral V-Panel Brackets on the outside of the Combo Bracket overlap the Ledger F-Bracket (**Fig. E**). Slide the lower leg of the Ledger F-Bracket into the Combo Bracket outside V-Panel Brackets. Align the top edge to the pitch chalk line.

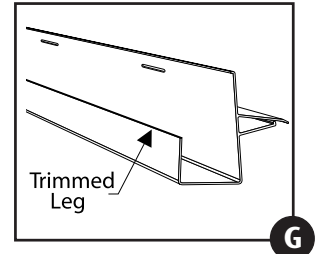
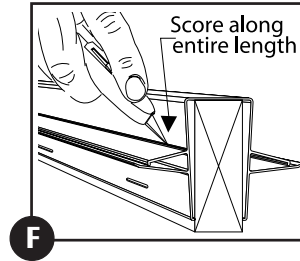
3c - Nail the Combo Bracket in place with 1" hot dipped galvanized (meet ASTM A 153 class D are acceptable) roofing nails (or deck screws) in the provided nail slots. Nail both sides of the Combo Bracket. **NOTE: Nail tight, but don't overdrive the nail.**

3d - For double joists use DrySpace Double Combo Bracket and follow steps 3a-3c from above.



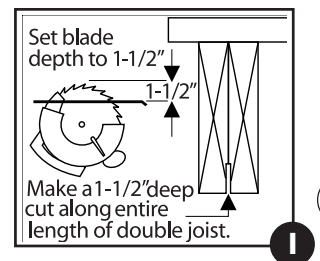
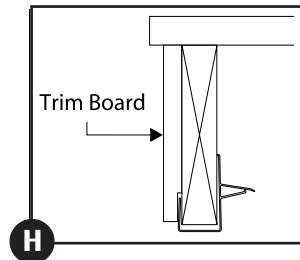
Outside Combo Bracket installation

3e - For the two outside deck brackets, the outside integral V-Panel Bracket must be removed. Trim what will be the outside portion of the Combo Bracket by making a score line under the V-Panel Bracket with a utility knife (**Fig. F**). Then, snap off the section with the integral V-Panel Bracket (**Fig. G**). Install the trimmed Combo Bracket (**Steps 3a, b and c**) for the inside portion of the bracket (**Fig. H**). This piece can be trimmed with a piece of lumber.



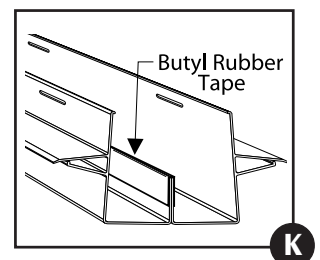
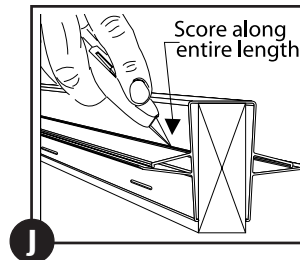
Custom Double and Triple Combo Brackets

3f - Remove any nails or obstructions that might be in the bottom 1-3/4" of the doubled joist. Make a 1-1/2" deep saw cut along the entire bottom of the double joist (**Fig. I**). Trim what will be the inside leg of two Combo Brackets just below the brackets for V-Panel installation (**Fig. J**). **Note: Notch (with a utility knife) 1-1/2" of both Combo Bracket legs near each end. Notching the legs will help lock the combined Combo Brackets in the saw cut at both ends of the cut. Check the fit of the trimmed Combo Brackets.** Tape the two cut legs together with butyl rubber tape to create a sealed joint (**Fig. K**). Then install into the saw cut. Make sure the Combo Brackets follow the chalk pitch line. Nail in place (**Step 3c**). **NOTE: Decks with a triple joist can be covered using the same method only with three Combo Brackets.**



3g - Apply butyl rubber tape (**Fig. L**) to the following areas:

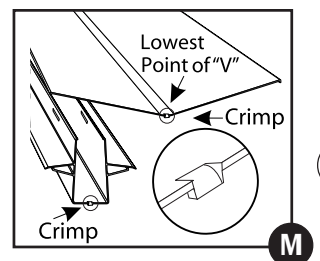
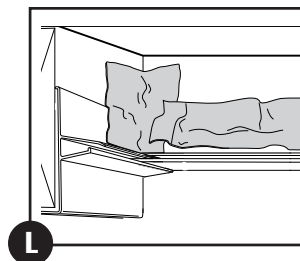
- 1) Corners where the F-Brackets overlap
- 2) Along the top edge of the Ledger F-Bracket making sure to cover the F-Bracket nail slots



4 V-Panel installation

4a - Measure, then cut each V-Panel 3" shorter than the joist to allow for drainage. **Note: To prevent water from running back up the bottom side of the panel and Combo Bracket, crimp the drainage ends of the V-Panel and Combo Bracket downward with pliers (Fig. M).**

4b - First install the V-Panel that will be anchored in the Ledger F-Bracket by inserting one panel edge into one of the Joist Cover's outside brackets. Then, flex the panel to insert the opposite edge into the other Combo Bracket. Then push the rest of the V-Panel in place.



4c - To insert the V-Panel into the Ledger F-Bracket, place a putty knife in each corner where the Combo Bracket's outside bracket and Ledger F-Bracket overlap (**Fig. N**). Place a scrap piece of 2x4 lumber against the open edge of the V-Panel and tap with a hammer. **NOTE: The 2x4 protects the V-Panel edge from damage. V-Panels must stop at the beam.**

4d - To collect and drain away water an optional vinyl or aluminum gutter can be installed (**see Step 6 - Gutter installation**).

Faced with a smaller joist opening?

4e - If the joist opening (**Fig. A**) is less than 14-1/2", the V-Panel must be trimmed to 1/2" less than the joist opening dimension. Score one side of the V-Panel with a utility knife, then snap the extra panel width off. Should the joist opening be 12" or less, trim an equal amount of material from each side of the V-Panel.

4f - Use pliers to crimp the trimmed edges of the V-Panel downward every 6" along the cut line (**Fig. O**) to provide anchor notches when the V-Panel is installed in the Combo Bracket.

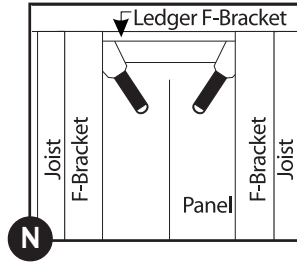
5 Best practice recommendation: Install tin flashing under first deck boards

For best results, install tin flashing under the length of the two deck boards closest to the house (**Fig. P**). This will assure that water is pushed out into the V-Panels below.

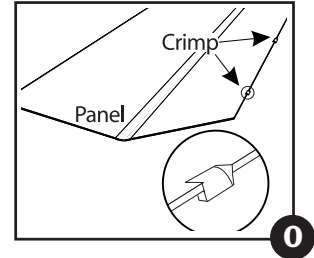
6 Gutter installation*

An optional gutter and downspout can be installed with DrySpace. Gutters must be installed at support beams to collect water from the V-Panels. Each project will have different requirements. The most common installations are shown (**Figs. Q and R**). A gutter can also be installed along the ledger board to collect water from between the ledger board and house and between the ledger board and joist ends. Standard vinyl or aluminum gutters and downspouts can be used. These are readily available at lumberyards.

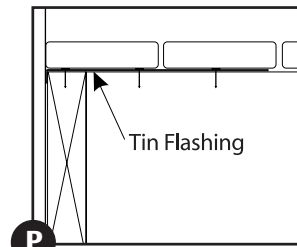
NOTE: Gutter, downspout and accessories are not included with the DrySpace system.



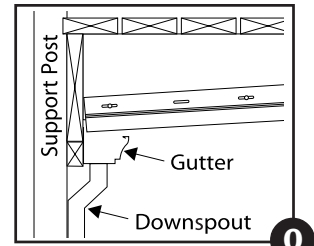
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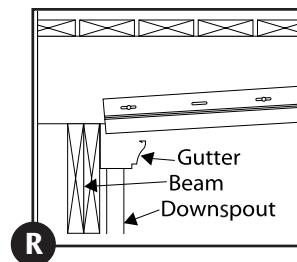
O



P



Q



R

Tools & Materials Needed To Install DrySpace

NOTE: Installation is easiest with two people

- Safety Glasses
- Metal Snips
- Gloves
- Butyl Rubber Tape
- Chalk Line
- Square
- Utility Knife
- Tin Flashing
- Hammer
- Tape Measure
- Pliers
- 1" Hot Dipped Galvanized Roofing Nails or 1" (for ACQ Lumber) Deck Screws
- Two Putty Knives
- Miter Saw
- Two Step Ladders

Care and Cleaning Recommendations

Basic Cleaning Recommendations

TimberTech highly recommends periodic cleaning of your TimberTech deck to help maintain the beauty of the product. Most deck-cleaning products will work on TimberTech. For best results use a cleaner that contains any of the following as an active ingredient for general cleaning and follow the manufacturer's instruction for use:

- Phosphoric Acid
- Oxalic Acid
- Hydrochloric Acid
- Sodium Hypochlorite

Power washing will enhance results when cleaning your TimberTech deck. 1500psi is the recommended maximum for TimberTech products. A fan tip nozzle should be used along with the proper cleaning product. Spray in the direction of the brush/grain pattern to avoid damaging your decking. Use caution not to damage the material and always take the proper safety precautions when operating a power washer.

To remove product identification printing from the side or bottom of a TimberTech deck plank use Isopropyl Alcohol (rubbing alcohol).

Ice and Snow

If you reside in a cold weather climate where ice and snow periodically come in contact with your deck, use calcium chloride or rock salt to melt the ice and snow.

Mildew

Wash your deck periodically with a cleaner like Zinsser's JOMAX (www.zinsser.com) that contains or is mixed with Sodium Hypochlorite. Follow the manufacturer's application instructions. Use a stiff brush to scrub heavily stained surfaces following the grain.

Rinse off your TimberTech deck periodically with a hose. Even if your deck appears clean, it is important to prevent build-up of pollen/debris. Mildew stains may occur where moisture, pollen, and/or dirt are present. Mildew needs a food source to grow, which can be grass, pollen, dirt, debris, wood and wood resins.

Maintaining a clean, dry deck surface is the best method for combating mildew. Ensure that water drains effectively from your deck. Keeping weep holes clear and unclogged on TimberTech Floorizon Planks. For TimberTech Earthwood, TwinFinish 5/4 and 2x6 planks, be sure that gaps exist between planks to allow for drainage.

Spot Stains

Oil Eater Cleaner and Degreaser is very effective against oil, grease and other stains. For extra heavy oil and grease stains or other specific stain types, check with your local lumberyard, hardware stores or home centers for cleaners applicable to a specific stain type.

If stains have set, you may want to use fine sandpaper and sand lightly, following the wood grain finish of the plank. The sanded area will weather back in approximately 8-10 weeks.

Rust, Ground-in Dirt and Grime

Use a cleaner that contains Phosphoric Acid or Oxalic Acid. Follow manufacturer's application instructions. If the stains have set, you may use fine sandpaper and sand lightly followed by a wire brush to re-grain the decking. Always follow the wood grain finish of the plank. The sanded area will weather back in approximately 8-10 weeks but can vary depending on location and specific application.

Scratches, Nicks, Cuts and Grooves

For all products (except TimberTech Earthwood Planks, BuilderBoard and TimberTech Railing) scratches, nicks, cuts and grooves can be eliminated by using a wire brush. Brushing will need to be consistent with the grain of the product and the brushed area will weather back in approximately 8-10 weeks. Surface scratches and abrasions on Earthwood Planks will fade after weathering. Once TimberTech Earthwood Planks have fully weathered they are more resistant to visible scratching. However, applying heat to the scratch with a soldering iron will make the damaged area less visible. Refer to the Care and Cleaning Instructions on www.timbertech.com for details.

Tannin Stains

Like any wood based product, TimberTech may experience a naturally occurring process called Extractive Bleeding. This process may cause a temporary discoloration that will weather away. In most cases this process takes 8-10 weeks but could vary depending on location and specific application such as a covered or screened-in porch. To clean these areas on your TimberTech deck, it is recommended that you use a product such as Dekswood, manufactured by Flood www.floodco.com (800) 321-3444 (available at most home centers and hardware stores), Composite Deck Restorer from PSC Solutions www.psc-solutions.com (800) 354-2926.

RadianceRail Touch-Up

Duplicolor 2 in 1 automobile touch-up paint is recommended:

- Coastal White use "Gloss White"
- Classic Black use "Universal Flat Black"

Painting/Staining/Sealing

Stains and sealers that are recommended for use with TimberTech are:

- Cabot Clear Solution-Oil Based (www.cabotstain.com)
- Weatherall UV Guard Deck and Fence Coating (www.weatherall.com)
- Cabot Australian Timber Oil (www.cabotstain.com)
- Weatherall UV Guard Exterior Wood Finish (www.weatherall.com)

Wait approximately 8-10 weeks or until TimberTech has completed its weathering process before painting or staining. Clean your TimberTech decking surface prior to applying paint or stain. Never paint or stain over surfaces that may contain dirt, or mildew. Be sure paint or stain does not clog drain holes in the TimberTech Floorizon Planks. Once TimberTech is painted, stained or sealed, subsequent applications will be necessary to maintain appearance.

TimberTech cannot be responsible for the performance of stains or paints applied to any TimberTech Engineered Decking Systems product. Always apply paints and sealers in accordance with the manufacturer's application instructions.

**TimberTech Customer:
Please complete this
card and mail to:**

TimberTech
894 Prairie Avenue
Wilmington, Ohio 45177
Attn: Warranty

**This information will help
us better serve your needs.**
Please return warranty card
within 30 days of receipt of
product.



Name: _____
 Street Address: _____
 City: _____ State: _____ Zip: _____
 Phone: _____ E-Mail: _____ Purchase Date: _____
 Where did you purchase TimberTech? _____

Check warranty that applies: **25-Year Limited Residential Warranty: TimberTech Decking & Railing**

Decking or Railing Product	Color
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

25-Year Limited Residential Warranty: TimberTech DrySpace*

25-Year Limited Residential Warranty **TimberTech Decking and Railing**

25-Year Limited Residential Warranty: TimberTech Limited (hereinafter "TimberTech") warrants to the original consumer purchaser (hereinafter "Purchaser") that, for a period of twenty-five (25) years from the date of original consumer purchase, under normal use and service conditions, TimberTech's decking and railing products, but specifically excluding the TimberTech DrySpace product (hereinafter the "Products"), shall be free from material defects in workmanship and materials, and shall not check, split, splinter, rot or suffer structural damage from termites or fungal decay.

If a defect appears within twenty-five (25) years from the date of original customer purchase, Purchaser shall notify TimberTech in writing within thirty (30) days from the discovery of the alleged defect, and, upon confirmation by an authorized TimberTech representative of the defect, TimberTech's sole responsibility shall be, at its option, to either replace the defective Product or refund the portion of the purchase price paid by Purchaser for such defective Product (not including the cost of its initial installation). This warranty shall not cover and TimberTech shall not be responsible for costs and expenses incurred with respect to the removal of defective TimberTech Products or the installation of replacement materials, including but not limited to, labor and freight. The foregoing remedies are the **SOLE AND EXCLUSIVE REMEDY FOR BREACH OF ANY WARRANTY.**

This warranty may be transferred one (1) time, within the five (5) year period beginning from the date of original purchase by the Purchaser, to a subsequent buyer of the property upon which the TimberTech Products were originally installed.

To make a claim under this limited warranty, Purchaser, or the transferee, shall send to TimberTech, within the warranty period referred to above, a description of the claimed defect and proof of purchase, to the following address:

TimberTech Limited, 894 Prairie Avenue, Wilmington, Ohio 45177, Attn: Claims Dept

TimberTech does not warrant against and is not responsible for, and no implied warranty shall be deemed to cover, any Product failure, Product malfunction, or damages attributable to: (1) improper installation of TimberTech Products and/or failure to abide by TimberTech's installation guidelines, including but not limited to improper gapping; (2) use of TimberTech Products beyond normal residential use, or in an application not recommended by TimberTech's guidelines and local building codes; (3) movement, distortion, collapse or settling of the ground or the supporting structure on which TimberTech Products are installed; (4) any act of God (such as flooding, hurricane, earthquake, lightning, etc.), environmental condition (such as air pollution, mold, mildew, etc.), or staining from foreign substances (such as dirt, grease, oil, etc.); (5) variations or changes in color of TimberTech Products; or (6) improper handling, storage, abuse or neglect of TimberTech Products by Purchaser, the transferee of third parties. Each Purchaser is solely responsible for determining the effectiveness, fitness, suitability and safety of the TimberTech Products in connection with its use in any particular application.

No person or entity is authorized by TimberTech to make and TimberTech shall not be bound by any statement or representation as to the quality or performance of TimberTech

Products other than as contained in this warranty. This warranty may not be altered or amended except in a written instrument signed by TimberTech and Purchaser.

LIMITATION OF REMEDIES AND EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES:

TIMBERTECH'S LIABILITIES ARE LIMITED SOLELY AND EXCLUSIVELY TO THE OBLIGATIONS SPECIFICALLY UNDERTAKEN HEREIN, AND UNDER NO CIRCUMSTANCES WILL TIMBERTECH BE LIABLE OR OBLIGATED FOR ANY **INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, PUNITIVE OR ANY OTHER DAMAGES OF ANY KIND WHATSOEVER** (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, LOST SALES, LOSS OF GOODWILL, USE OF MONEY, USE OF GOODS, STOPPAGE OF WORK, OR IMPAIRMENT OF ASSETS), WHETHER FORESEEABLE OR UNFORESEEABLE, ARISING OUT OF BREACH OR FAILURE OF EXPRESS OR IMPLIED WARRANTY, BREACH OF CONTRACT, FRAUD, MISREPRESENTATION, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, EXCEPT AND ONLY TO THE EXTENT THIS LIMITATION IS SPECIFICALLY PRECLUDED BY APPLICABLE LAW OF MANDATORY APPLICATION. TIMBERTECH'S LIABILITY WITH RESPECT TO DEFECTIVE PRODUCTS SHALL IN NO EVENT EXCEED THE REPLACEMENT OF SUCH PRODUCTS OR REFUND OF THE PURCHASE PRICE, AS DESCRIBED ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

This writing is understood and intended to be the final expression of the parties' agreement and is a **complete and exclusive statement** of the terms and conditions with respect thereto, superseding all prior agreements or representations, oral or written, and all other communication between the parties relating to the subject matter of this agreement. No agent, employee or any other party is authorized to make any warranty in addition to that made in this agreement.

DISCLAIMER OF WARRANTIES: EXCEPT FOR THE EXPRESS WRITTEN WARRANTY CONTAINED HEREIN, TIMBERTECH MAKES NO OTHER WARRANTIES, GUARANTEES OR INDEMNITIES, WHETHER EXPRESS OR IMPLIED, ARISING BY LAW, COURSE OF DEALING, USAGE OF TRADE, CUSTOM OR OTHERWISE, INCLUDING BUT NOT LIMITED TO THE **IMPLIED WARRANTY OF MERCHANTABILITY AND IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE**, AND ALL SUCH OTHER WARRANTIES, GUARANTEES AND INDEMNITIES ARE HEREBY DISCLAIMED, OVERRIDDEN AND EXCLUDED FROM THIS TRANSACTION.

Some States do not allow limitations on how long an implied warranty lasts so the above limitation may not apply to you

This warranty shall only be applicable and enforceable in the United States of America and Canada.

Copyright (c) 2005 TimberTech
This warranty is effective for consumer purchases made on or after January 1, 2005.

25-Year Limited Residential Warranty **TimberTech DrySpace**

*TimberTech DrySpace has a 25-year residential warranty on products purchased on or after January 1, 2007. DrySpace products purchased prior to this date have a 5-year warranty. The manufacturer warrants that this product will not peel, blister, pit, flake, crack, or corrode as a result of manufacturing defects, or as a result of exposure to ocean air (salt spray) for a period of five years. Should any of this occur, the manufacturer will provide replacement product. Minor dripping may occur.

TimberTech suggests visiting your local TimberTech Dealer to view deck expense,
see actual profile dimensions and make color selections.
Visit www.timbertech.com or call 1-800-307-7780 to find your closest TimberTech Dealer:

Visit www.timbertech.com or call 1-800-307-7780
for more information.



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