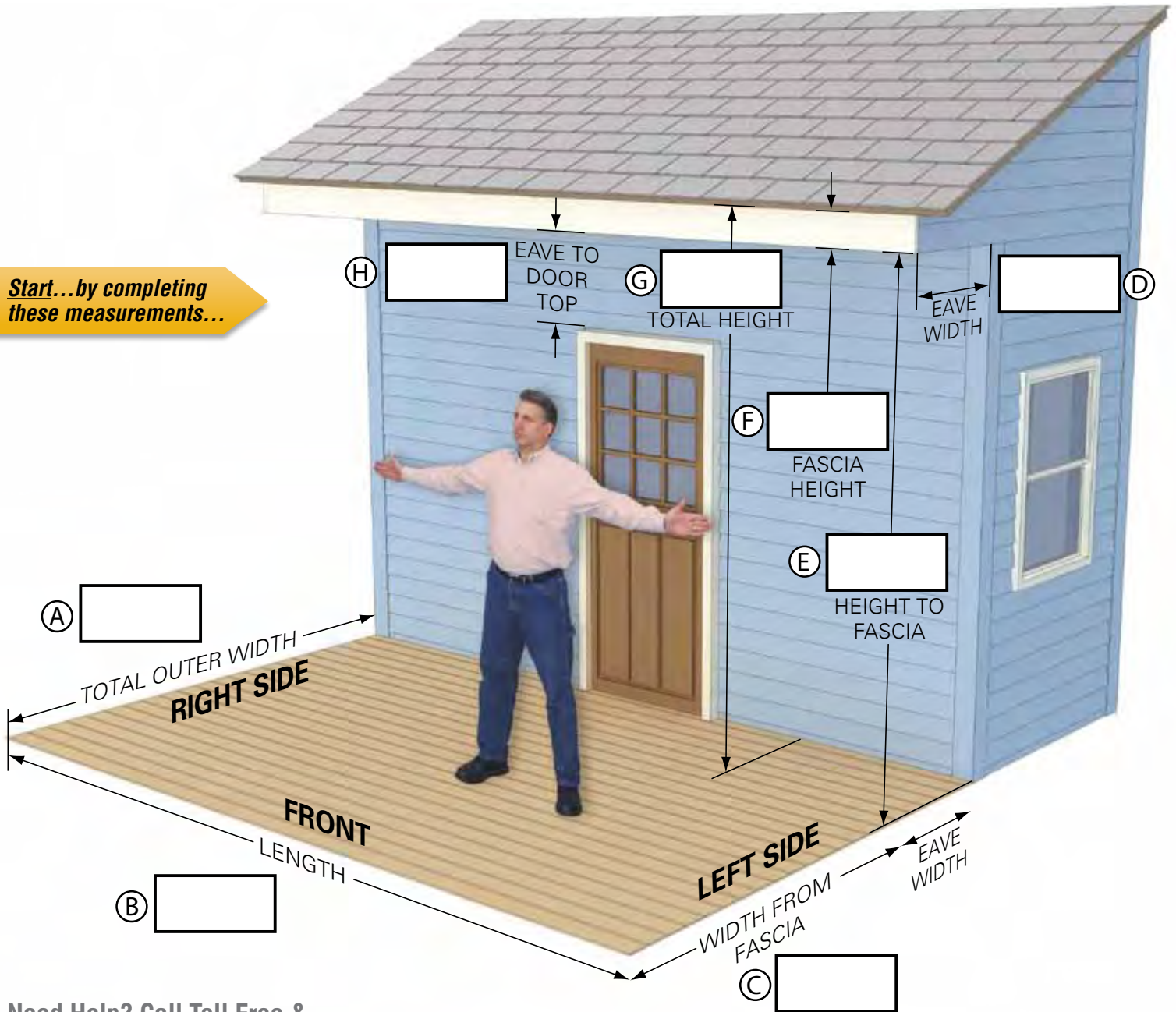


3
Plan & Measure

Planning & Measuring Guide

Here's how to plan & measure for your new SunPorch or ShadePorch.

Start...by completing these measurements...



Need Help? Call Toll Free & Speak To A SunPorch Specialist:
800-221-2550

Or watch our helpful Measuring Video online:



Planning and measuring your new sunroom is easy.

This detailed Planning Guide will provide all of the information you'll need to successfully plan, and measure for your new SunPorch or ShadePorch.

1 Plan...where will your sunroom be located & how will it attach to your home?

This Planning Guide will help you identify the best location for your new sunroom... help you evaluate your deck or patio, and guide you in determining how it will best fit and attach to your house.

2 Measure...the length, width and height of your site.

By using the front cover of this guide, the dimensions will help walk you through the steps to accurately measure your site... in order to prepare you to select just the right model and options for your site needs. Plus, we're always here to help. To speak to a SunPorch specialist call toll free 1-800-221-2550.



3 Price...by selecting the right size, configuration and options for your new SunPorch or ShadePorch.

After planning and measuring for your new sunroom, use the enclosed Price List (*Book 4*) to select the right model.



2 Get a **FREE** Price Quote & Diagram in just... **Minutes!**
www.sunporch.com/price



Delivered 100% complete & ready-to-assemble!

Our sunrooms are recreational outdoor living space delivered to your garage as a ready-to-assemble kit, ready for installation in as little as a single weekend.



Delivered To Your Garage In Easy-to-Handle Cartons.
An average 9' x 12' sunroom consists of 10-12 boxes, 50-150 lbs. each. AIT and SunPorch will provide you

with White Glove Signature Service. The driver (with your assistance) will off-load the boxes from the truck and move them to the inside of your garage.



Complete Kit & Ready-to-Assemble.

Your new sunroom is delivered as a ready-to-assemble kit. All frame parts are factory pre-cut for a tight fit

and framing members have score lines to help align and square them. All window frames and screens are fully assembled with pre-drilled window holes for easy alignment.



Our Step-by-Step Guide Makes Assembly Easy!

Our step-by-step assembly manual for each size provides detailed



directions through every construction step. It is well illustrated and gives you straight forward, easy-to-understand instructions. Of course, if you have any questions we are only a phone call away.



All You Need Are a Few Simple Tools.

To construct your new sunroom you'll need: cordless screwgun, stepladder, box cutter, tape measure, pliers,

hammer, screwdrivers, adjustable wrench, plumb line, caulking gun, square, electric drill, saw and level.



“With the help of a friend I assembled my new SunPorch...in just a weekend!”

“My friend Serge & I started assembling the SunPorch early one Saturday morning. We worked hard, but everything went together perfectly. Everything was clearly marked and by following the detailed assembly manual and it went together exactly as planned. By the end of the weekend, it was done!”

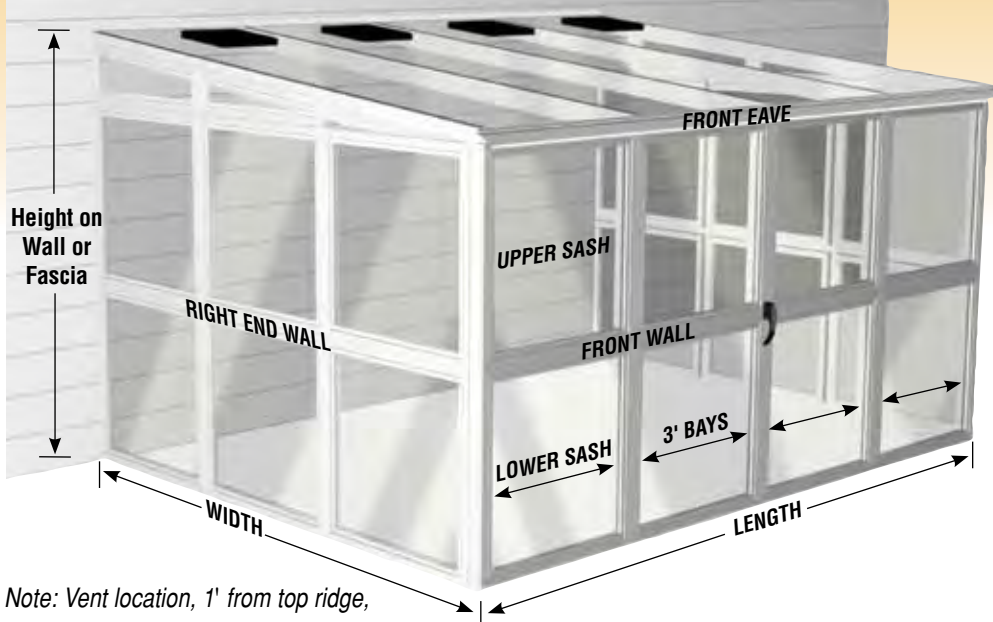
Larry B., SunPorch Owner



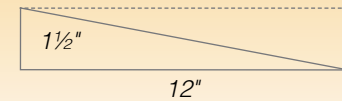
See Larry's amazing 58 second assembly video at: www.sunporch.com



SunPorch & ShadePorch Terminology



Roof Pitch (Cannot be altered)



Front Eave 6'-6½\"/>

Door information:

- One door is included with all models.
- Upon assembly, you can mount door in any front or end wall bay, hinged right or left.
- Swings outward to meet building codes.
- Door opening 33" Wide x 6'-2" High and handicap accessible.
- Custom doors sizes are not available.
- It is not possible to join 2 doors at the center or retrofit sliding doors.
- Door has inside lock. Purchase key lock locally. Please maintain secured entry door to your home.

Terms we use: (Shown on front cover)

Mounting Surface: This surface may be a wood deck, concrete slab, or patio area that is level.

Height: Distance from mounting surface up to the first obstruction, such as an overhang etc.

Width: Distance from the house wall, looking out.

Length: Distance parallel along the house wall from right to left.

Front Eave: Top of the front wall of the sunroom.

Height: Distance from mounting surface to top outer dimension.

Bay: Front wall and end wall modules are on 3' centers; each module called a 3' bay.

Right and Left End Walls: Refers to either the right or left hand ends of the sunroom, with your back to the house wall looking outward.

Sash: Either the upper or lower Easy-Slide removable window.

Knee Wall: A homeowner site built wall (wood or brick) that is used to increase the overall height of the structure.

Knee Wall Door: The location in the knee wall where the door is located.

Modifications: Changes in size to a standard sized sunroom.

Length Reduction: If it is necessary to reduce the length of the sunroom unit, the 3' front wall and roof panels at the left hand end (from the inside, with back to wall) will be reduced in length.

Width Reduction: If it is necessary to reduce the width of the sunroom unit, the 3' end wall and roof panels closest to the attachment wall of the replacement structure will be reduced in width.

Height Reduction: If it is necessary to reduce the height of the sunroom unit, both sashes will be reduced in height.

Height Increased: If it is necessary to raise the height of the sunroom unit, (and the knee-wall is not the best solution), transom panels will be added above the eye-level panel to compensate for the added height.

Transom Panel: Extra panel added above the door or Easy-Slide window to fill the increased height area.

Choose a standard size model for the best value.

There are three ways to fit your mounting site. Each has its own associated cost considerations.

1 Choose A Standard Size:
First, try to use a standard size to fit your site. This is the most cost effective choice. Standard size widths & lengths are shown below & on pages 6-11.

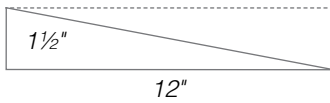
2 Modify Your Site:
Second, try to modify your existing mounting surface to fit a standard size using on site conventional building materials.

3 Custom Factory Modifications:
This is the most costly option. If a standard size will not work for your site, we offer custom modifications.

Standard Widths & Heights – (Series 6, 9, 12 & 15)

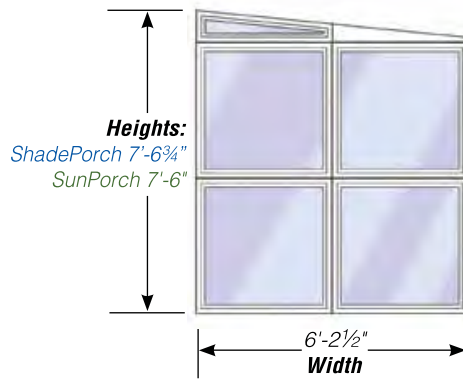
(see following pages for details)

Roof Pitch (Cannot be altered)

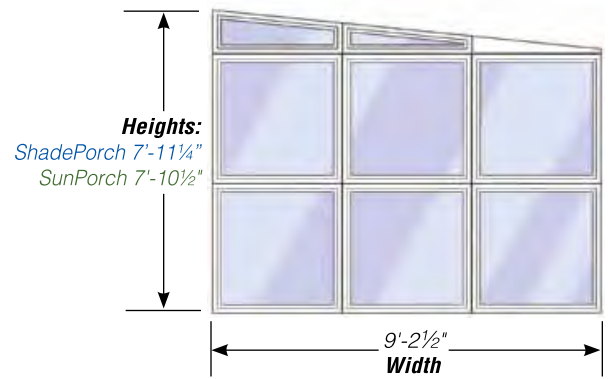


Front Eave 6'-6 1/2"H
Door Opening 33"W x 6'-2"H

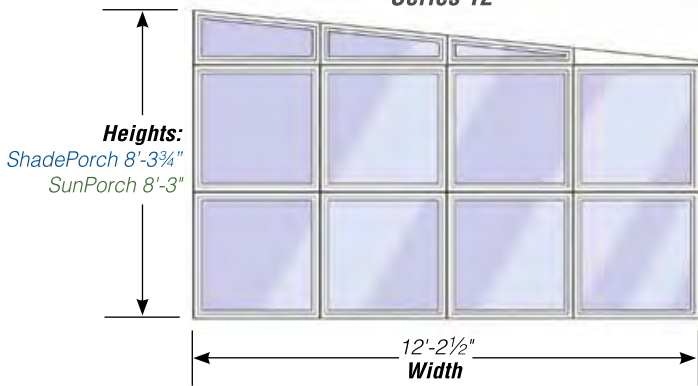
Series 6



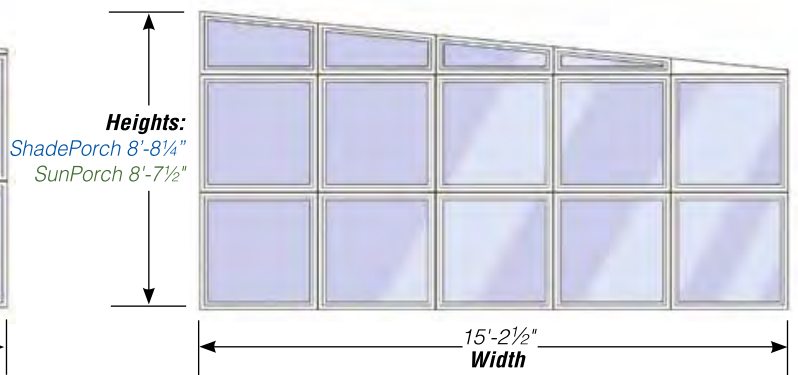
Series 9



Series 12



Series 15



Standard Lengths Come in 3' Bays – (Series 6, 9, 12 & 15)

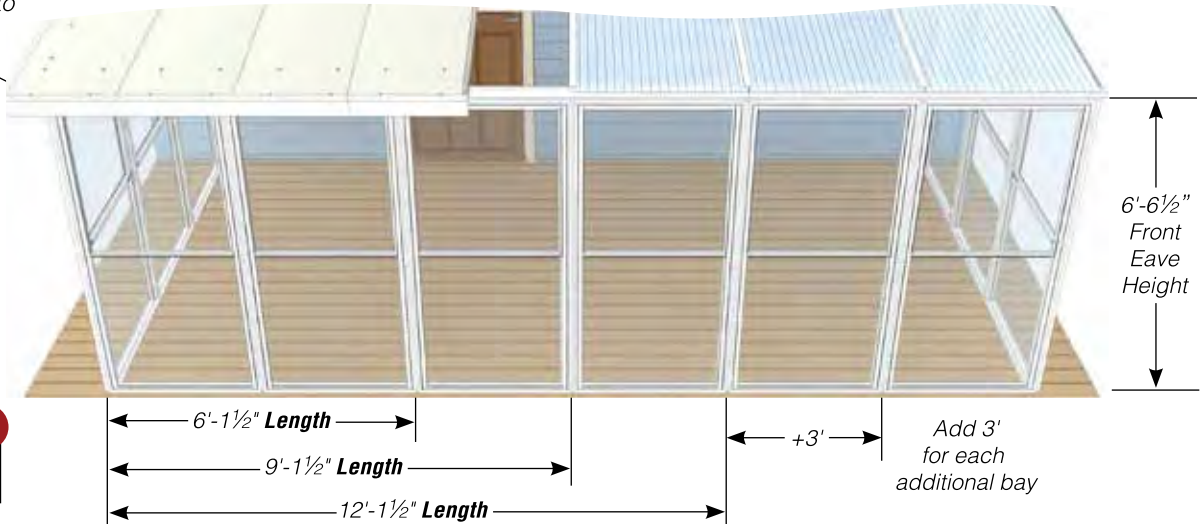
(see following pages for details)

ShadePorch Roof adds 6" overhang to all three sides

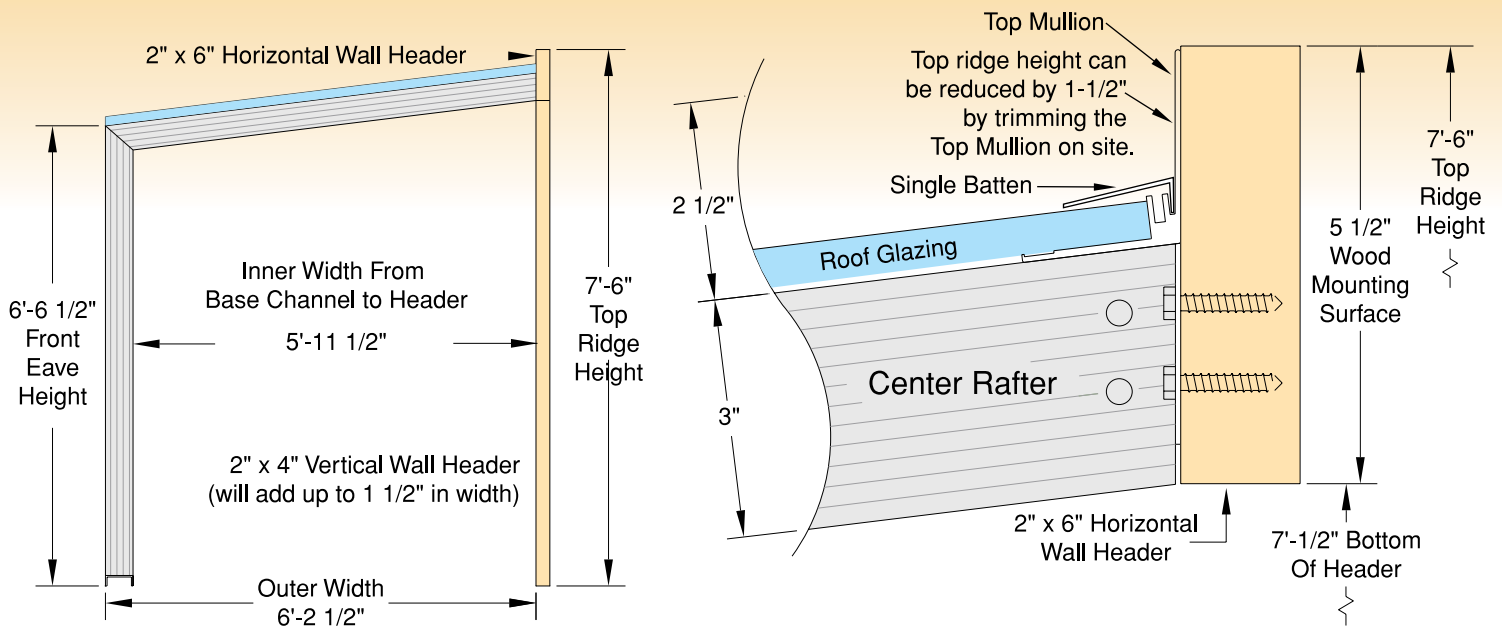
ShadePorch®

or

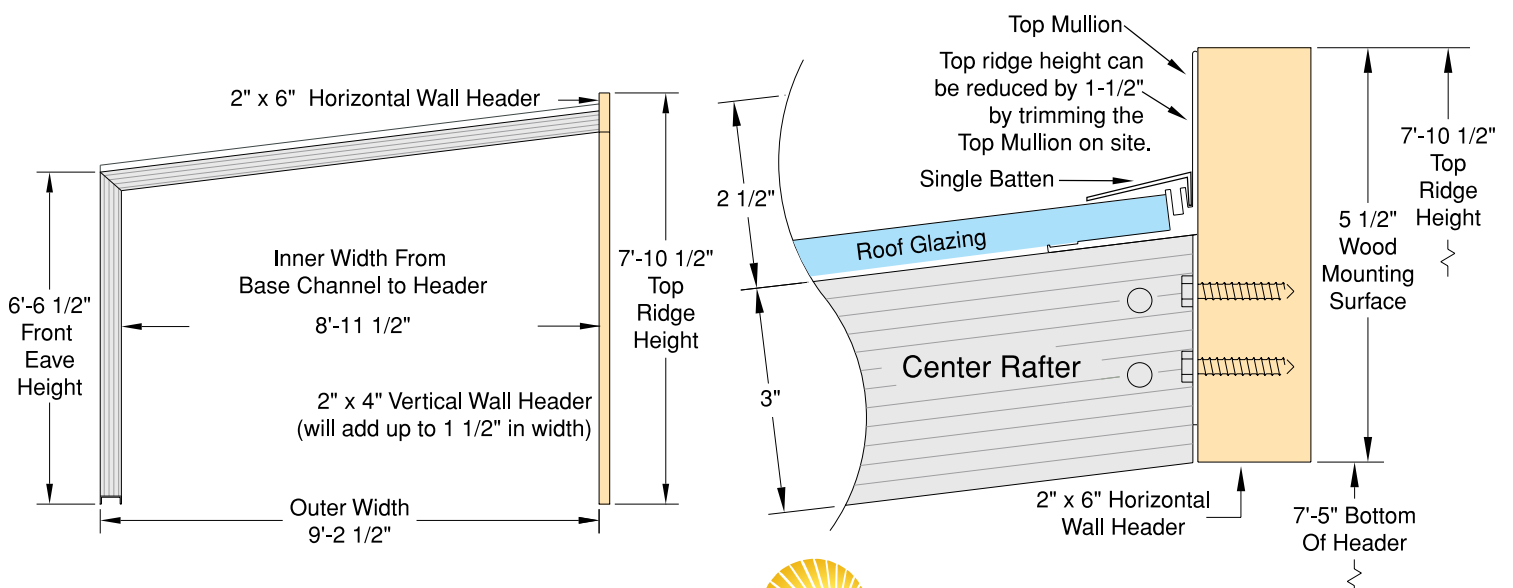
SunPorch®



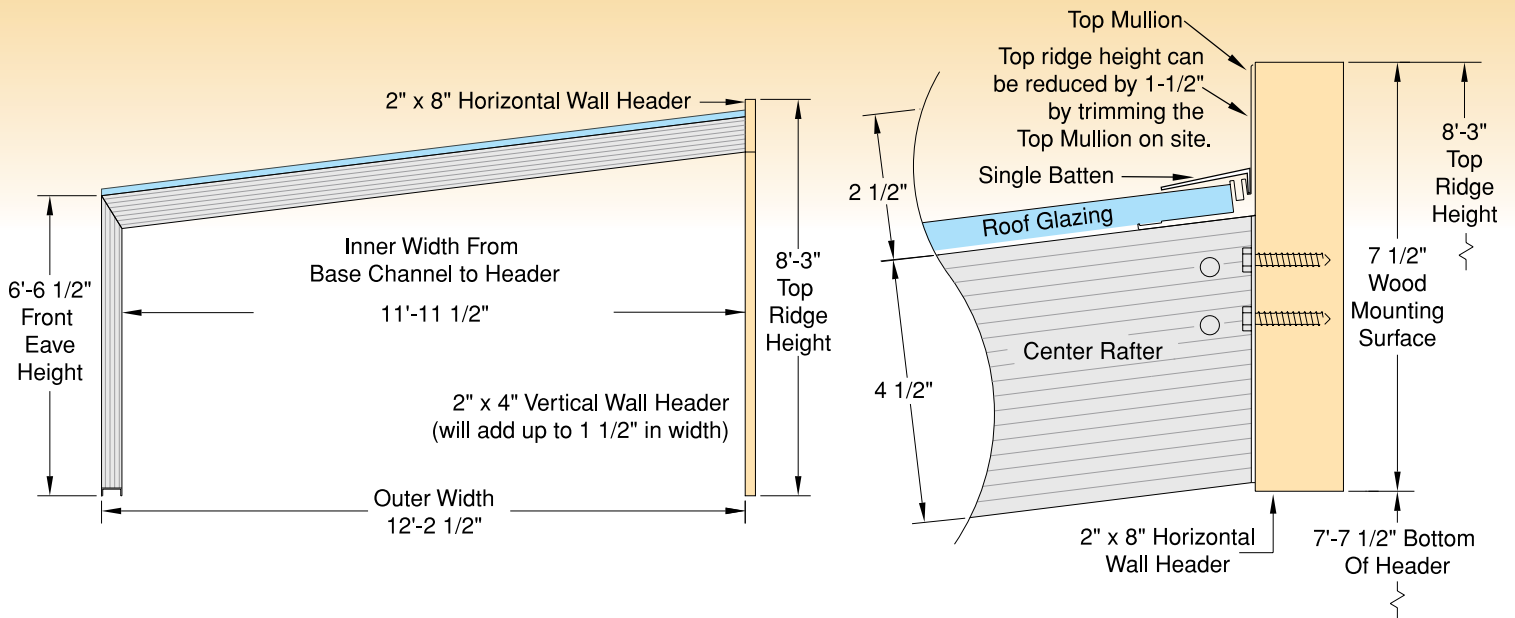
Series 06 SunPorch Standard Dimensions



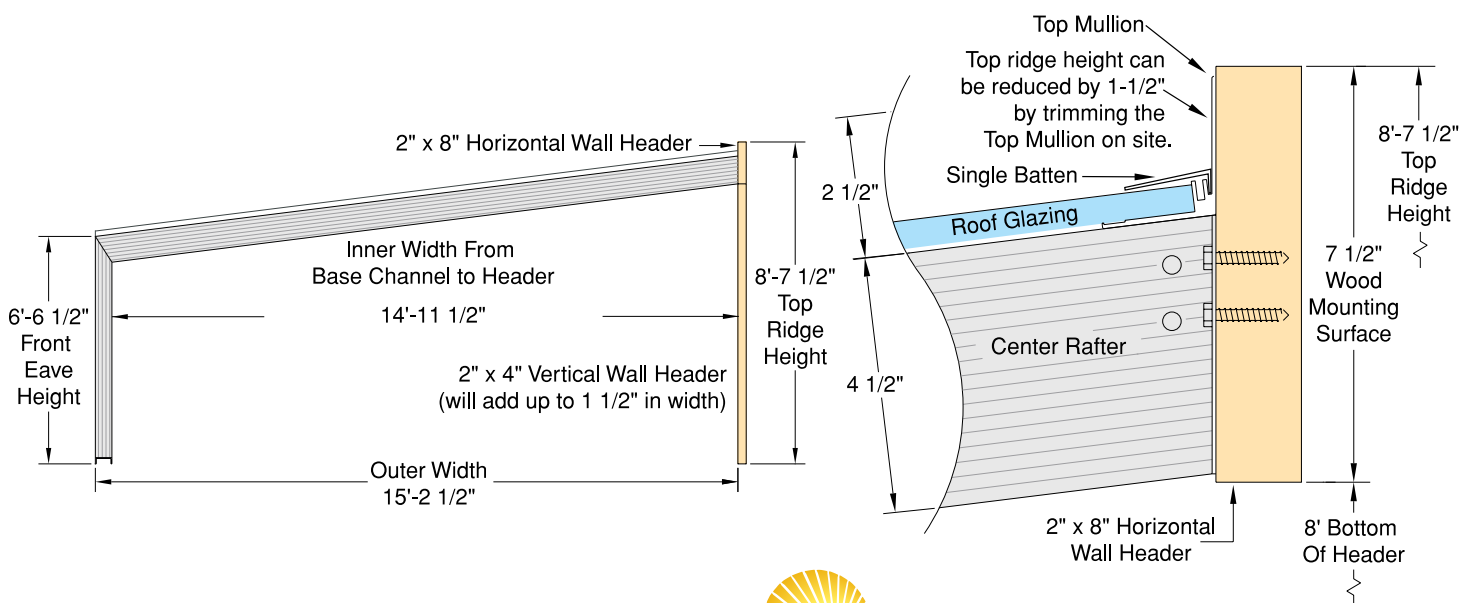
Series 09 SunPorch Standard Dimensions



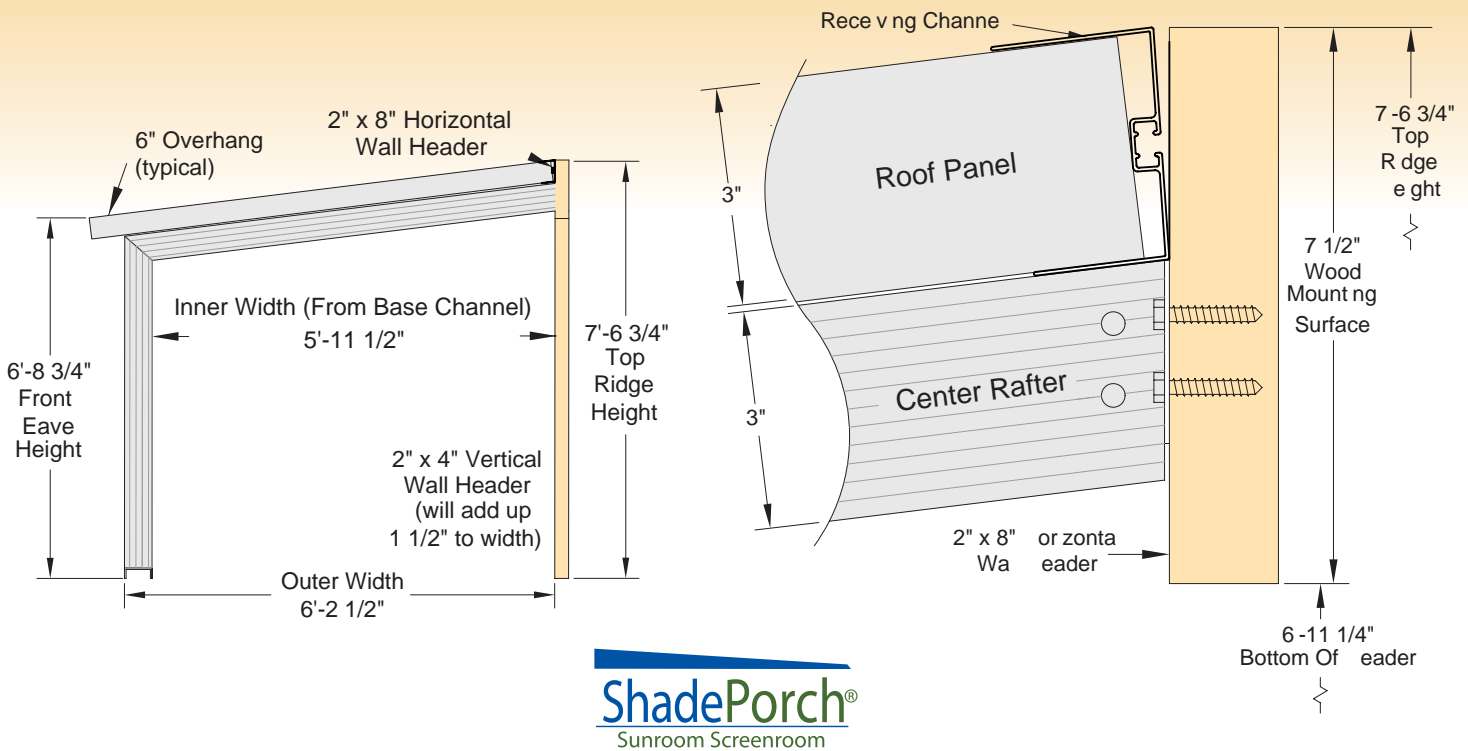
Series 12 SunPorch Standard Dimensions



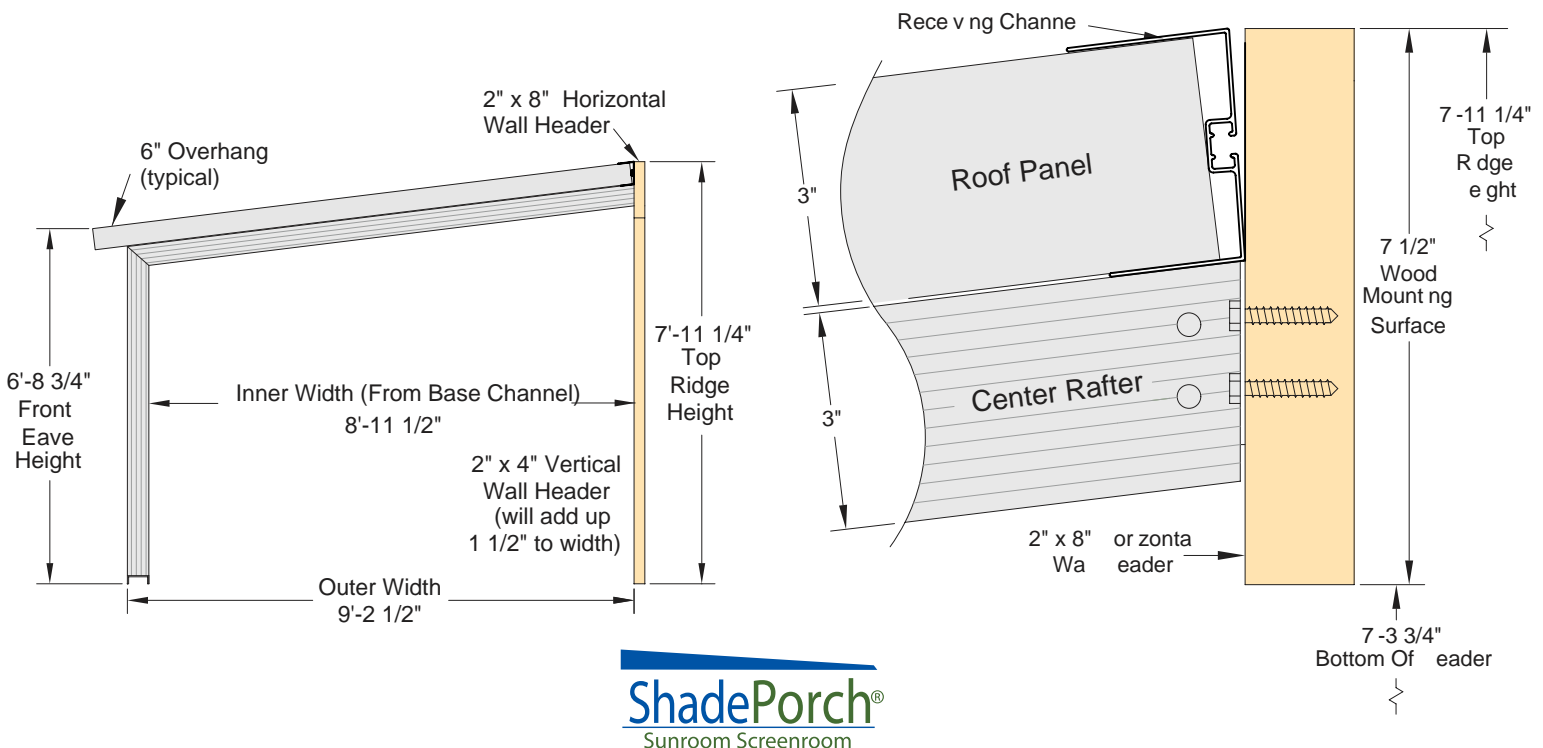
Series 15 SunPorch Standard Dimensions



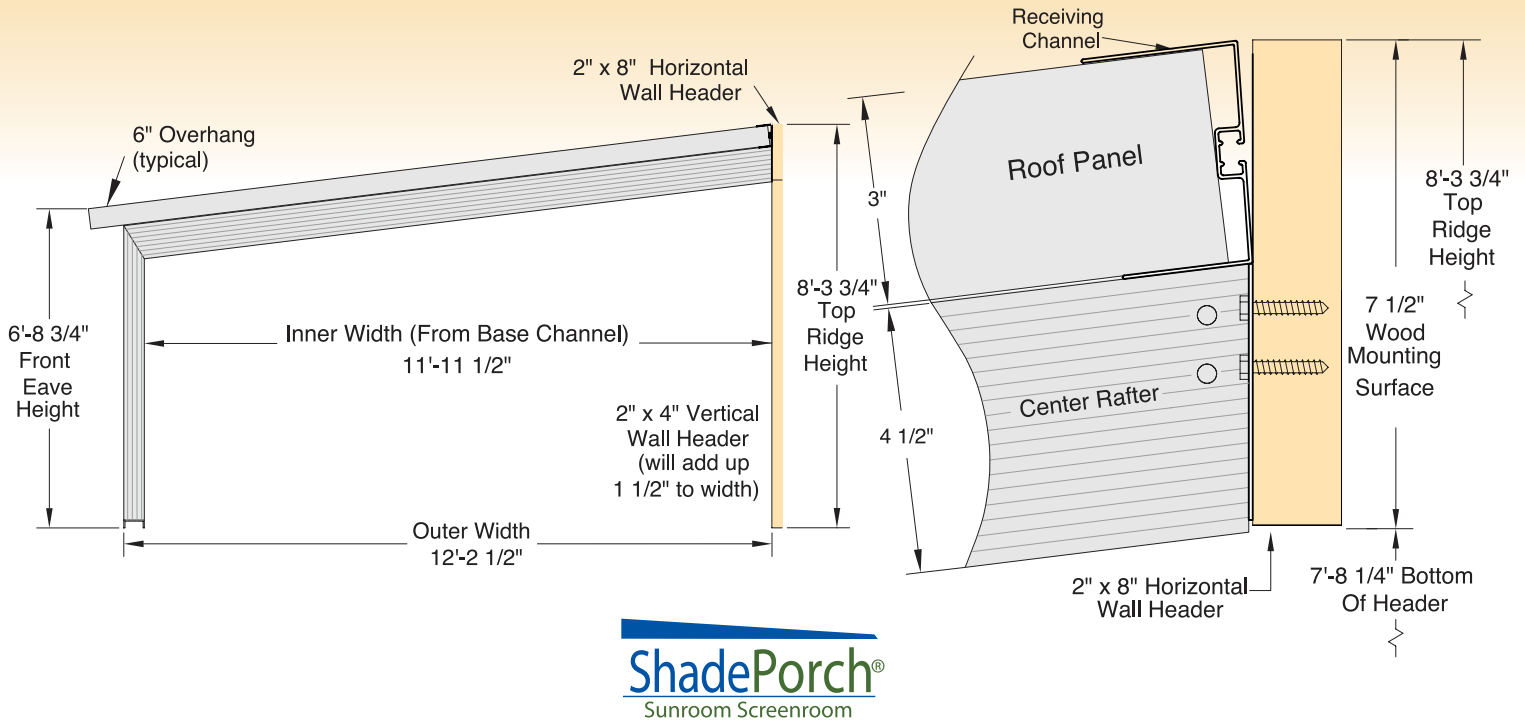
Series 06 ShadePorch Standard Dimensions



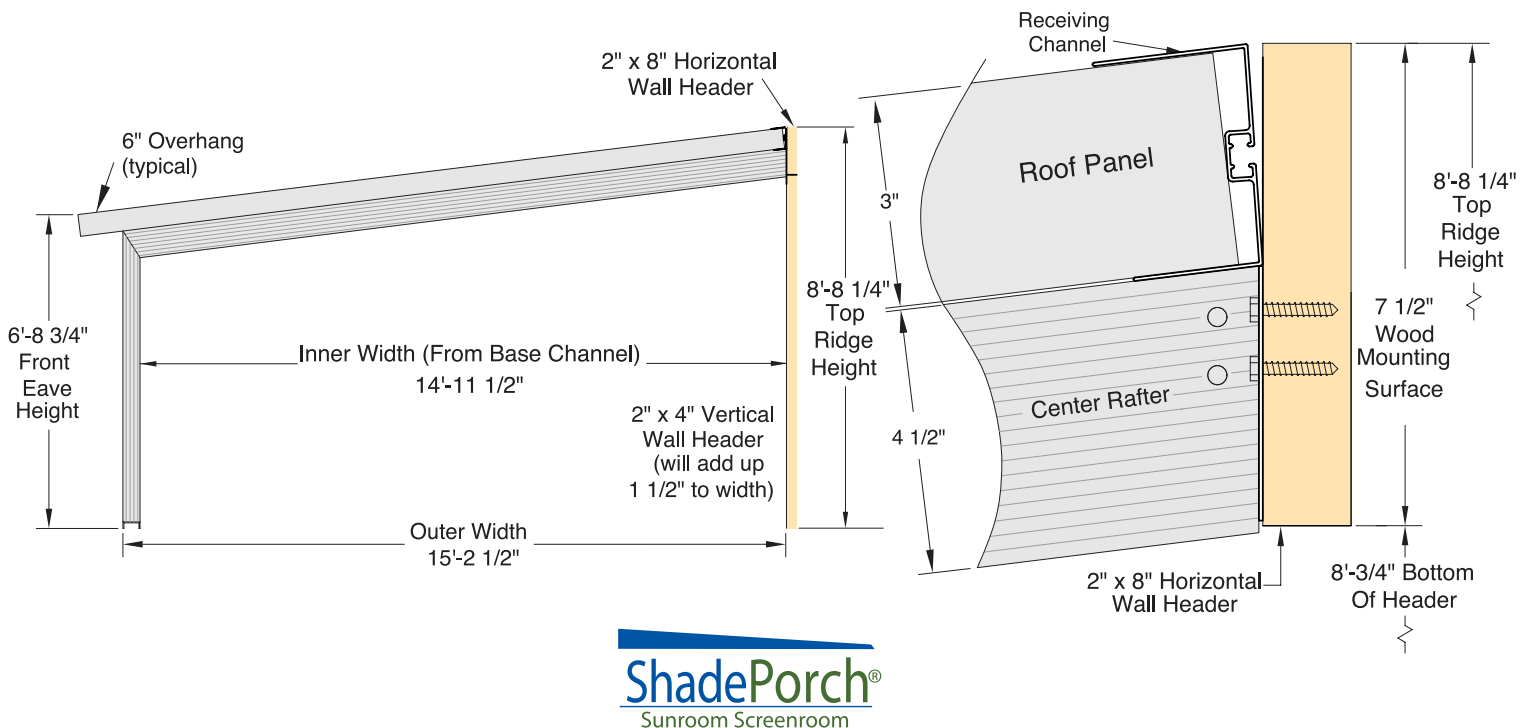
Series 09 ShadePorch Standard Dimensions



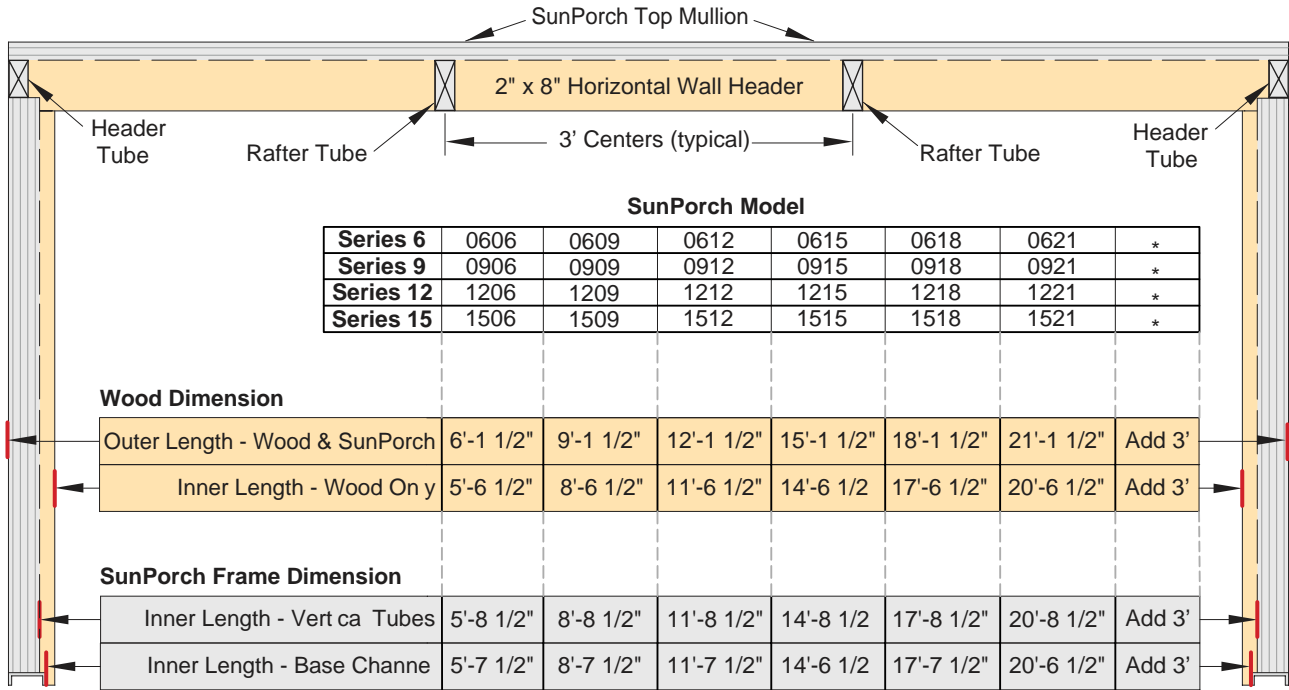
Series 12 ShadePorch Standard Dimensions



Series 15 ShadePorch Standard Dimensions



SunPorch Standard Length

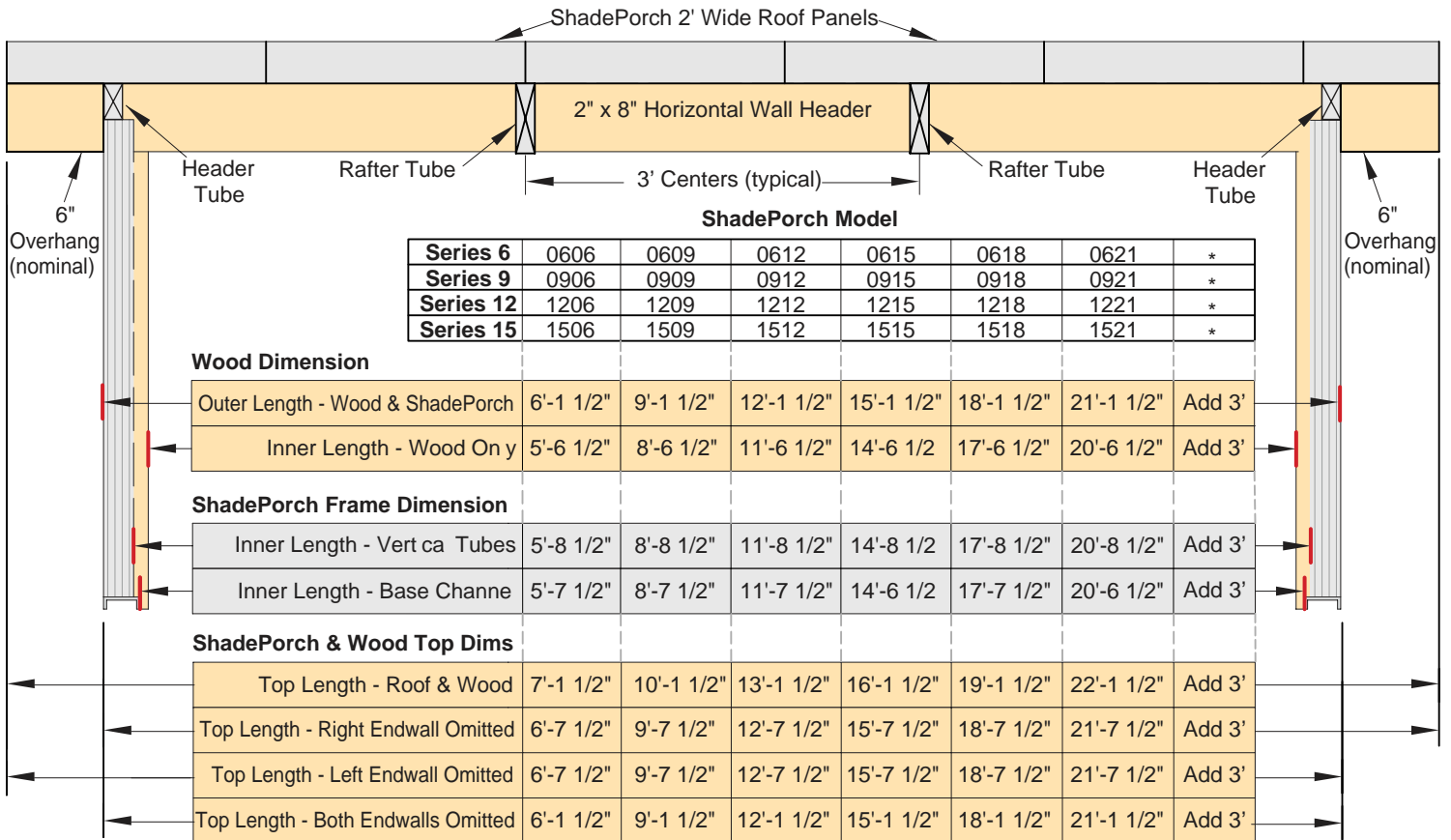


NOTE: Drawing not to scale. 09 Length shown.

* For Models longer than 24', length increases by 3' increments.



ShadePorch Standard Length



NOTE: Drawing not to scale. 09 Length shown.

* For Models longer than 24', length increases by 3' increments.



4 ways to attach SunPorch or ShadePorch to your house:

1 If Series height is below eave height attach directly to house.



Wood Wall Header

ShadePorch

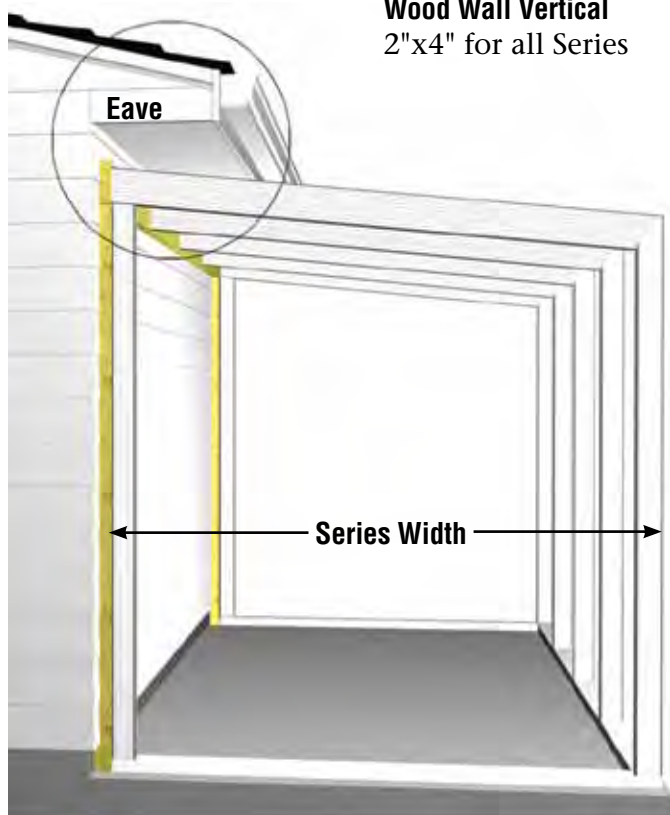
2"x8" for All Series

SunPorch

2"x6" for Series 06 & 09

2"x8" for Series 12 & 15

Wood Wall Vertical
2"x4" for all Series

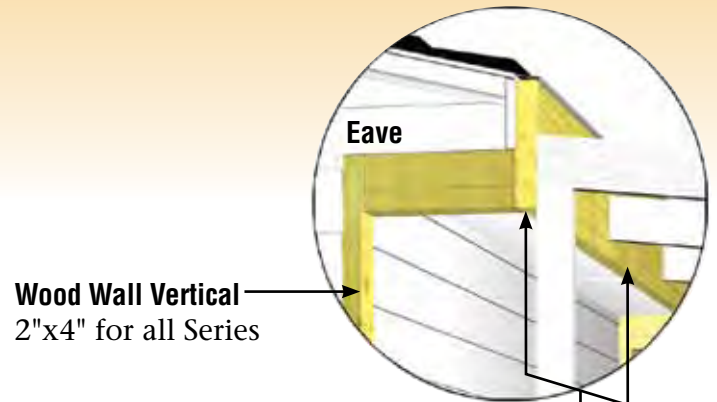


Option: If the Series Width is too wide, you can:

- Reduce the width of the unit.

Note: If the wall attachment area interferes with a door or window, you will need to increase the height and possibly mount to the fascia. For mounting, see Attachment 2. Also see Knee Wall Door and Height Increase.

2 If Series height is tight to bottom of eave attach to lowered fascia.



Wood Wall Vertical
2"x4" for all Series

Wood Fascia Required

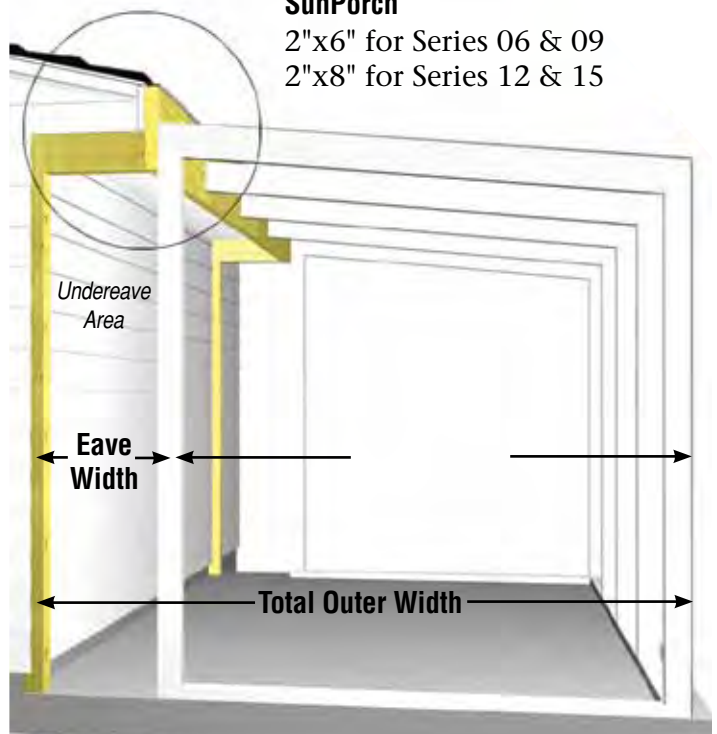
ShadePorch

2"x8" for All Series

SunPorch

2"x6" for Series 06 & 09

2"x8" for Series 12 & 15



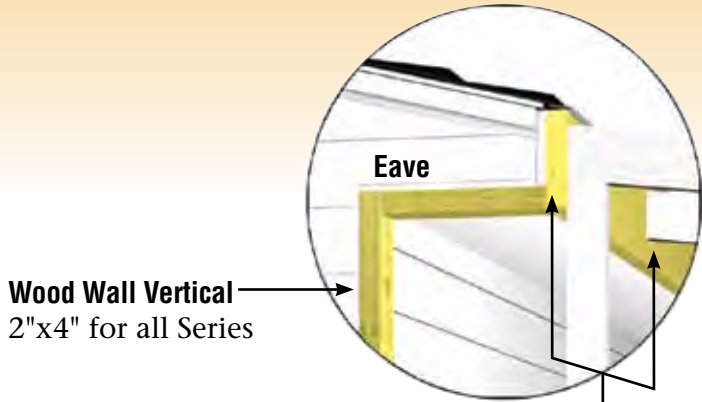
Add a new fascia board over the existing fascia (or replace fascia) to lower the height of the attachment surface. Gutter, if present, can be retained if unit can be mounted underneath. Undereave area can be filled with conventional materials or SunPorch undereave kits.

Options: If the total width is too wide, you can:

- Go to a narrower series.
- Reduce the width of unit.
- Reduce the height of the unit.

3 If Series height is about level to height of eave, attach to existing fascia.

4 If Series height is tight or too tall for eave, attach to raised fascia.

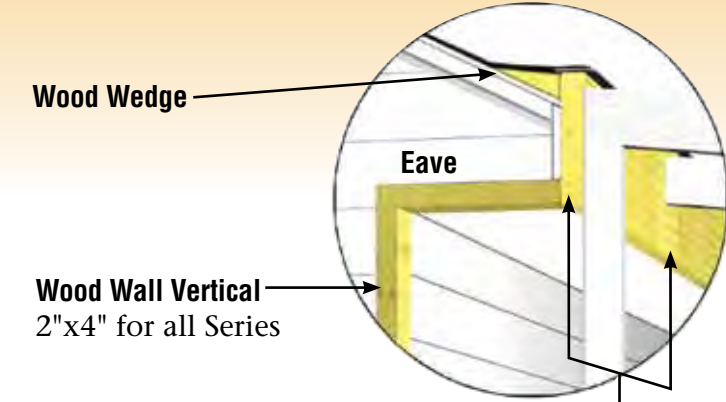


Wood Wall Vertical
2"x4" for all Series

Wood Fascia Required

ShadePorch
2"x8" for All Series

SunPorch
2"x6" for Series 06 & 09
2"x8" for Series 12 & 15



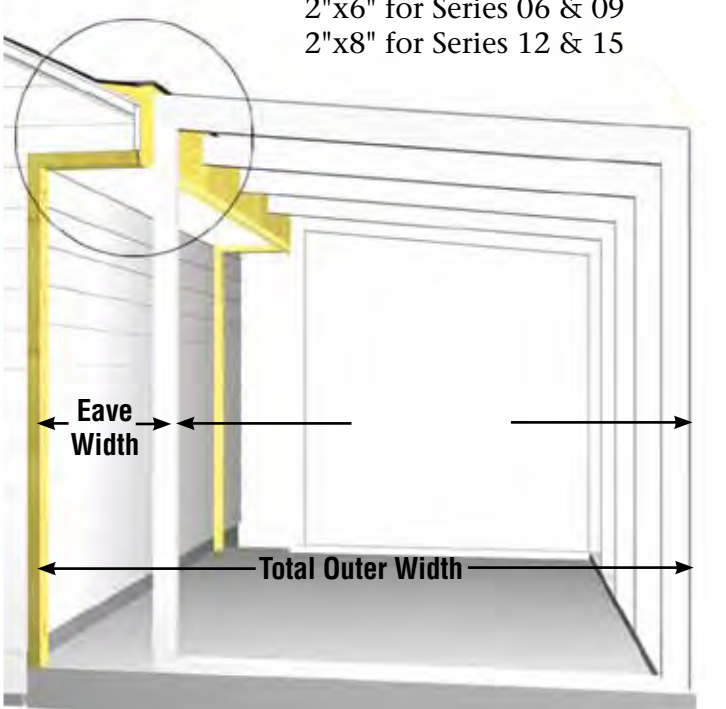
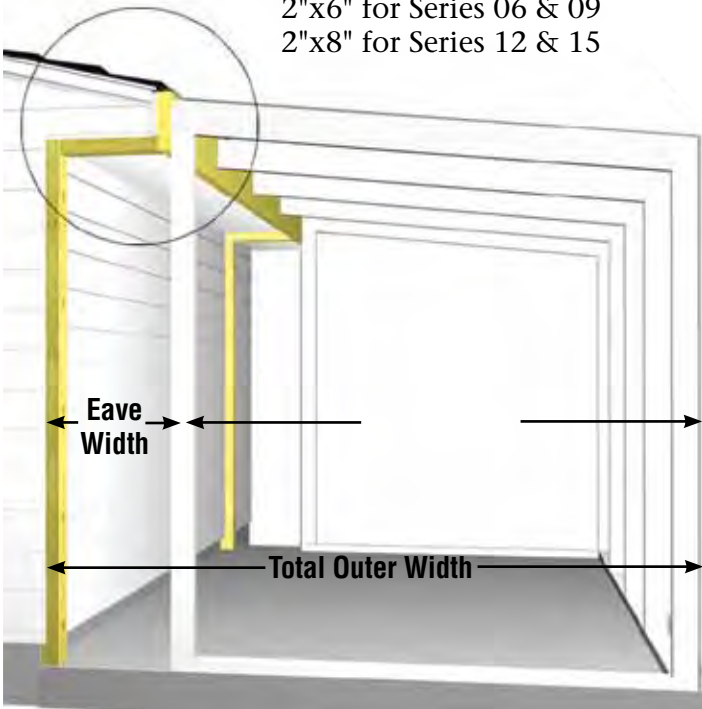
Wood Wedge

Wood Wall Vertical
2"x4" for all Series

Wood Fascia Required

ShadePorch
2"x8" for All Series

SunPorch
2"x6" for Series 06 & 09
2"x8" for Series 12 & 15



Add a new fascia board on top of existing one. Undereave area can be filled with conventional materials or SunPorch undereave kits.

Options: If the total width is too wide, you can:

- Go to a narrower series.
- Reduce the width of unit.
- Reduce the height of the unit.

Add a new fascia board over the existing one (or replace fascia) to raise the height of the attachment surface. Undereave area can be filled with conventional materials or Undereave kits.

Options: If the total width is too wide, you can:

- Go to a narrower series.
- Reduce the width of unit.
- Reduce the height of the unit.

Mounting In A Corner

For exact pricing go to: www.sunporch.com/price

Complete End-Wall Omission

With your back against the attachment wall looking out, you can omit the right, left, or both endwalls.

- Starting with a standard size, there is an endwall omission includes credit for all windows, screens, aluminum framing that is not required.
- The front wall base channel is square cut on the omitted end to fit against the wall of your house.
- If you eliminate both endwalls, you will need a structure that has an exact length. To get correct length, you can fill the area with conventional materials or modify the SunPorch length.
- **SPECIAL NOTE:** Make sure the rafter of the omitted endwall does not interfere with any windows, doors, etc...
- If the endwall attachment is not the full width of your sunroom, it is possible to omit a partial endwall.
- Measure the house wall dimensions to be omitted.

Partial End-Wall Omission

- Partial aluminum endwall framing is shipped with order & cut on site to fit your area.
- The remaining windows/screens are custom made & can only be ordered after you measure.
- After ordering, the windows/screens will arrive in approx. 5-7 days via UPS. They cannot be shipped with your order.

Right Endwall Omission



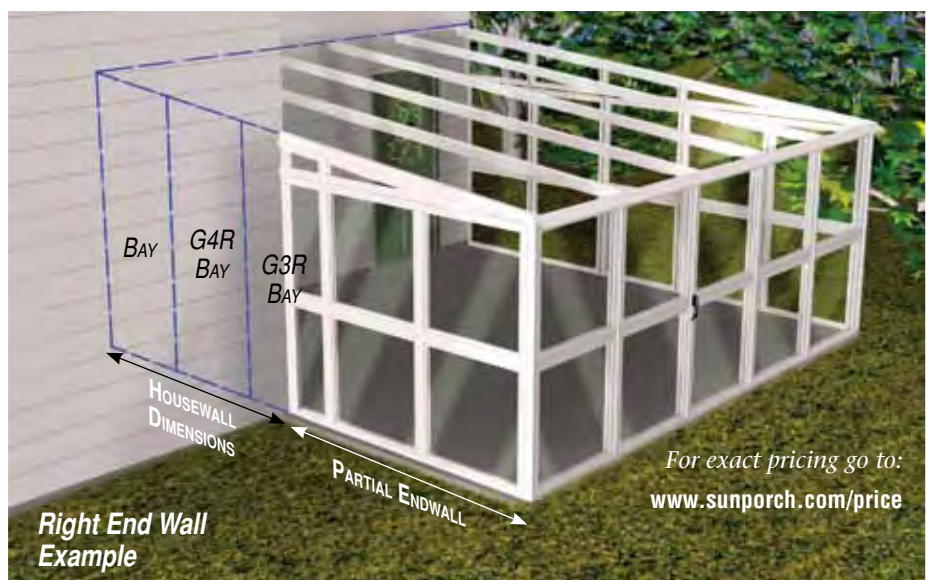
Left Endwall Omission



Both End Walls Omitted



Partial Endwall Omission



Mounting On A Knee Wall

For exact pricing go to: www.sunporch.com/price

Knee Walls (homeowner site built to increase height)



- A site-built kneewall will increase the height.
- When building the kneewall, it will require a 37-1/2" opening for each door. The door cannot be located in the front or end wall outside corners.

- Specify door location when ordering.
- Your order is shipped with longer aluminum verticals on each side of door, then site cut to the exact height.
- Transom panel is custom made and can only be ordered after you measure height above door.

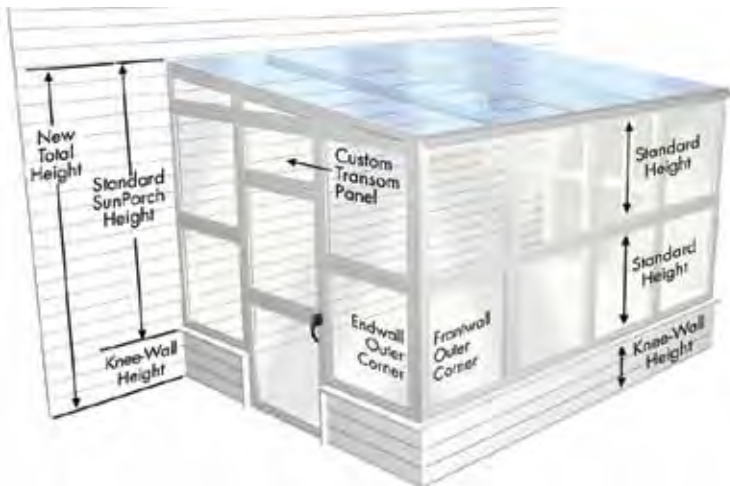
Knee Wall (homeowner site built for a solid bottom)



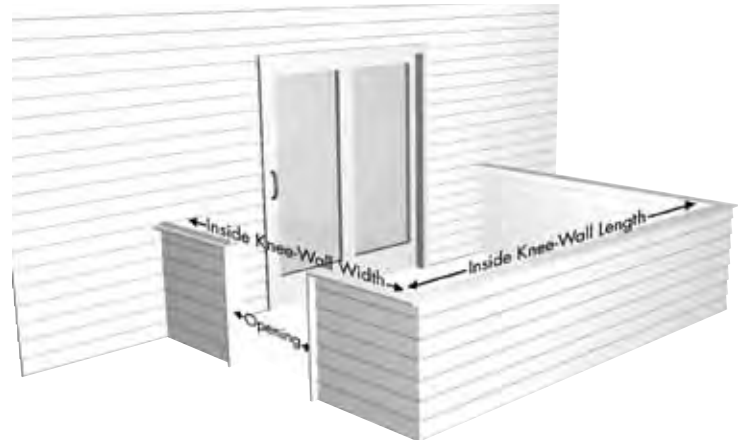
- Standard size models can have the lower panels omitted to fit knee wall.
- The area on top of the knee wall will have removable window with fixed screen.

- Knee wall models require a site built knee-wall height of exactly 3' 1-7/8" or greater.
- If your knee-wall height is greater than 3' 1-7/8", you will need to order a door bay transom panel.

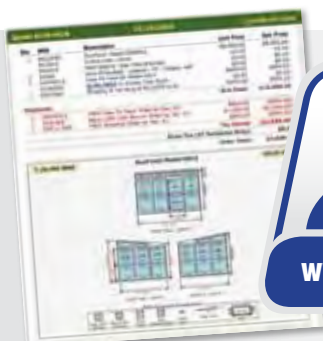
For exact knee wall dimensions & sizes, please visit www.sunporch.com/specifications.



Before



After



2 Get a **FREE** Price Quote & Diagram in just... **Minutes!**
www.sunporch.com/price

Ways to Square the Mounting Surface

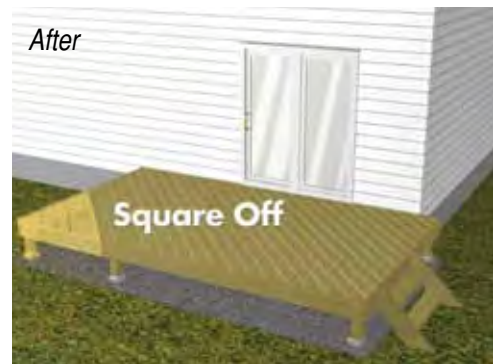
Chimneys & Bay Windows

Build out with conventional building materials to create a flat mounting surface.



Irregular Shaped Decks

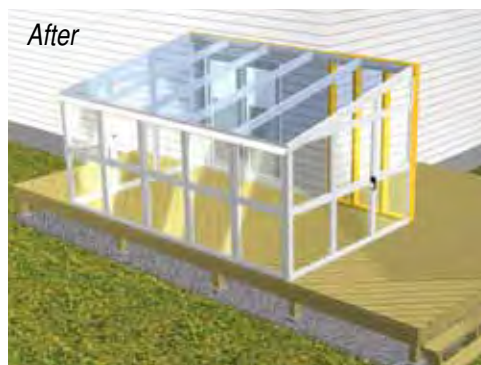
Square off to create a rectangle.



Multilevel Decks Level your deck with conventional building materials to create a flat level surface.



Beyond the End of the House Wall Use conventional building materials to build a vertical back wall.



Customizing a standard size to fit your site.

There are three ways to fit your mounting site. Each has its own associated cost considerations.

1 Choose A Standard Size:

First, try to use a standard size to fit your site. This is the most cost effective choice. Standard size widths & lengths are shown on pages 5-11.

2 Modify Your Site:

Second, try to modify your existing mounting surface to fit a standard size using on site building materials.

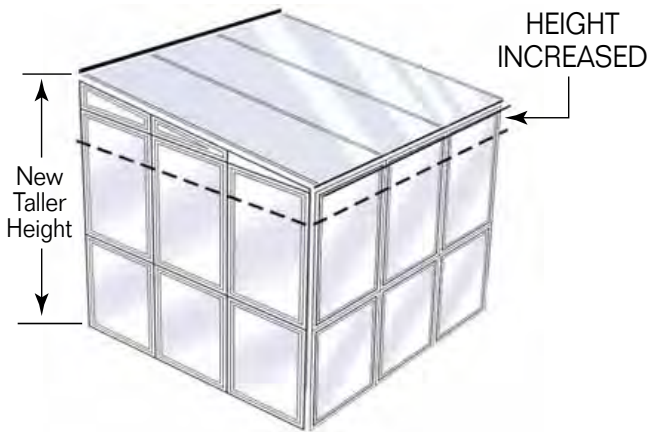
3 Custom Factory Modifications:

This is the most costly option, but if a standard size will not work for your site we do offer custom modifications.

For exact pricing go to: www.sunporch.com/price

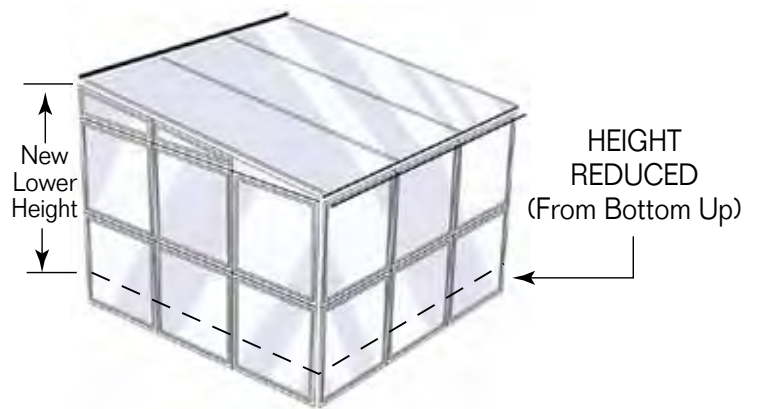
Height Increased

Height can be increased by adding a row of transom panels above the Easy-Slide Windows. Both the top height and front wall height will be increased.



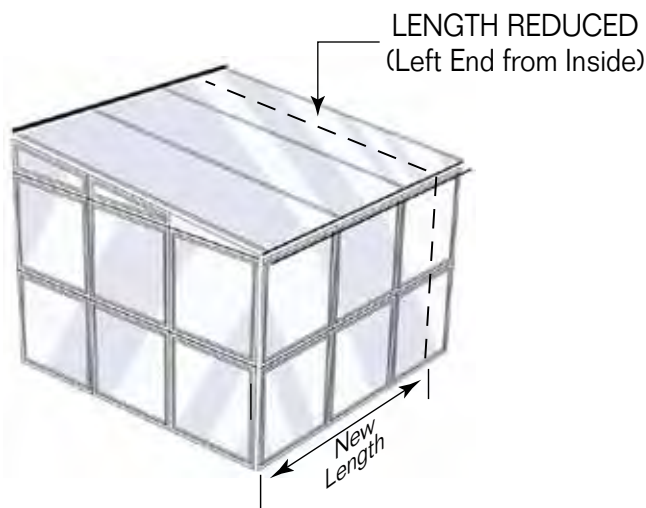
Height Reduced

Height is reduced from the bottom of the Easy-Slide Windows. Both the top height & front wall height will be reduced.



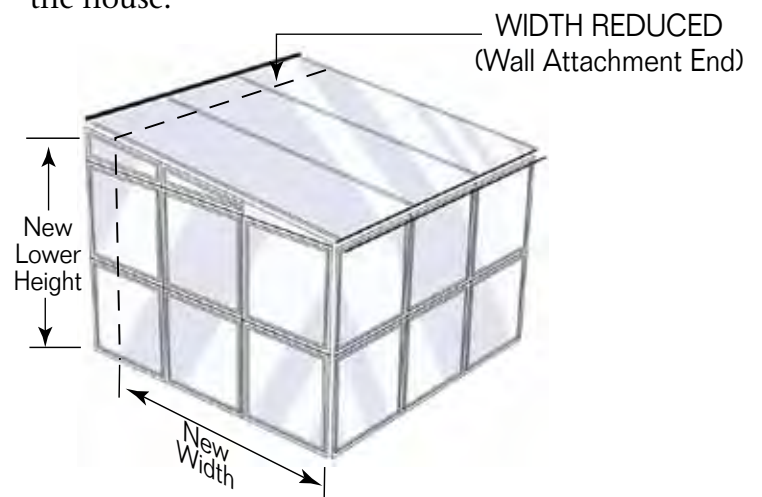
Length Reduced

Starting with a longer structure than desired, length is reduced along the last bay in the front wall.



Width Reduced

Starting with a wider structure than desired, width is reduced from wall attachment side closest to the house.

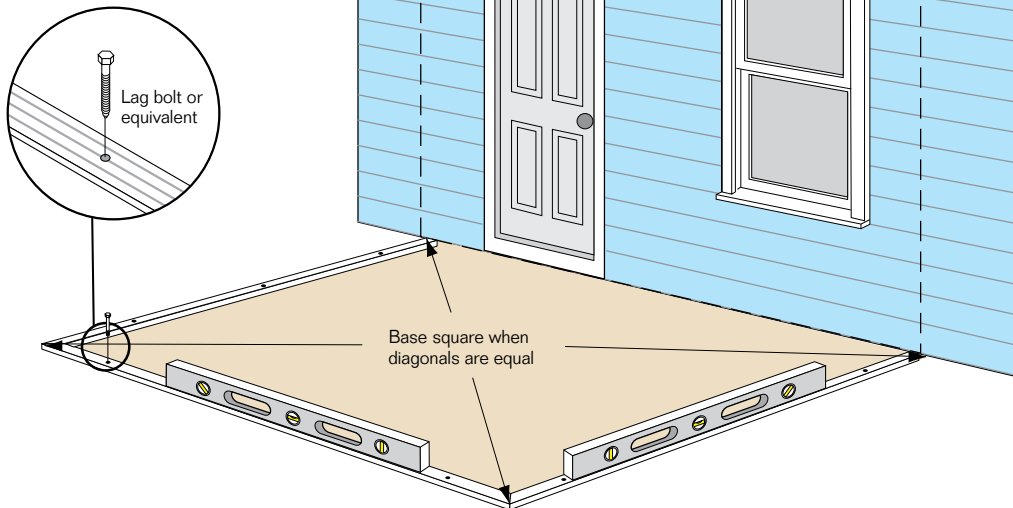


How to prepare the house for your new sunroom.

Prepare a Level Floor Surface

Mounting surface must be flat and level for proper assembly.

Surface may be a deck, concrete slab or patio



Mounting Surface: The sunroom has been designed to mount on wood decks, concrete slabs, and patios. The heavy-duty aluminum framing is flexible, yet strong, and the glazing materials are rigid, shatter-resistant, and lightweight. The installed weight is less than 500 pounds for a 9' x 12' structure.

Average decks have footings and concrete patios are generally poured on a base of well-drained sand or gravel so they will not move in cold weather. Depending upon your climate and codes (if applicable), the base mounting surface preparation requirements may vary by region. Your local building inspector may or may not require modifications to your deck, slab or patio.

You also might be asked to provide details on the mounting surface to make sure it has been designed properly. This may require analysis services of a local engineer at your expense.

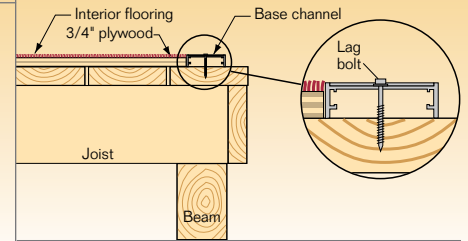
Mounting Notes: The sunroom base must be mounted to a properly anchored surface to prevent movement. Because every installation has unique requirements, job-site specific materials such as wood shims, lag bolts, anchors, etc., are not included with the kit. Your local home center or hardware store can provide you with these materials and is an excellent reference source for information on building and construction.

Flooring: Due to the wide variety of mounting surfaces, a floor is not included with your sunroom. Your choice of floors should be designed to withstand sunlight, temperature, and moisture, and be installed only after your SunPorch is fully assembled.

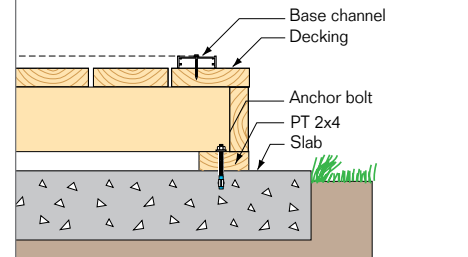
When mounting to a deck, plywood is used to cover the top-side and exposed gaps. This should be done after the sunroom is installed and to the inside (not underneath) of the base channel. Insulation for this type of flooring is not required.

Indoor/Outdoor carpet is a popular choice because it has excellent qualities, readily available, and moderately priced. It easily installs on existing decks and concrete slabs. Tile or Linoleum can also be used as a flooring choice. See the Accessories Guide (*Book 2*) for Porch Floor.

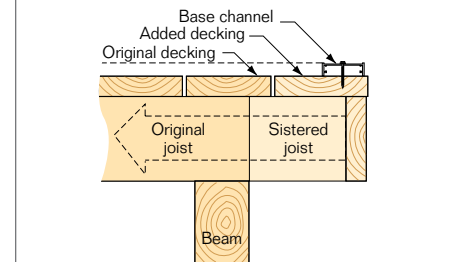
Mounting to an Existing Deck



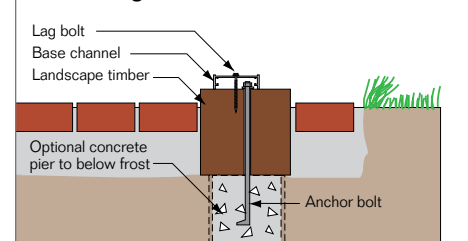
Leveling a Slab With a Deck



Extending a Deck

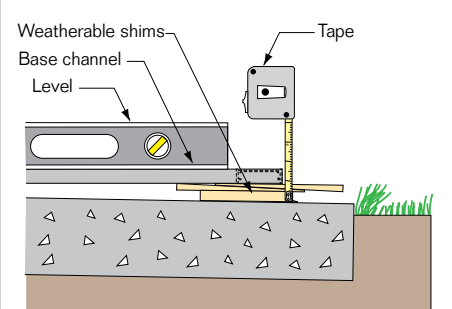


Mounting to a Brick Patio

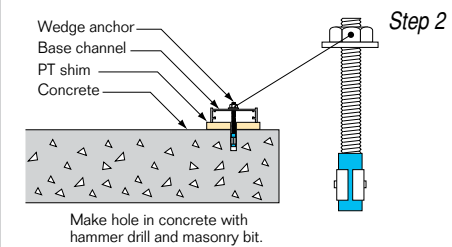


Leveling and Mounting to a Concrete Slab

Step 1



Step 2



Prepare House Wall for Frame Attachment

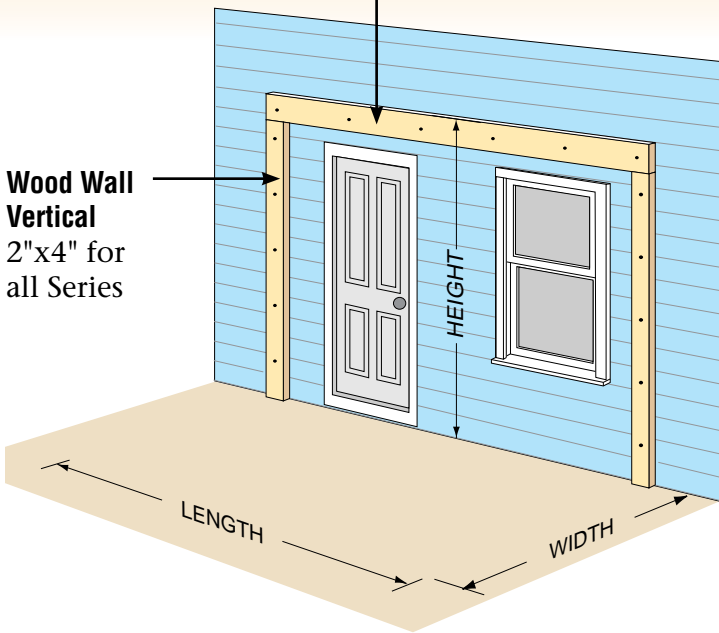
Mounting to a Wall

ShadePorch
2"x8" for All Series

Wood Wall Header

SunPorch
2"x6" for Series 06 & 09
2"x8" for Series 12 & 15

Wood Wall Vertical
2"x4" for all Series



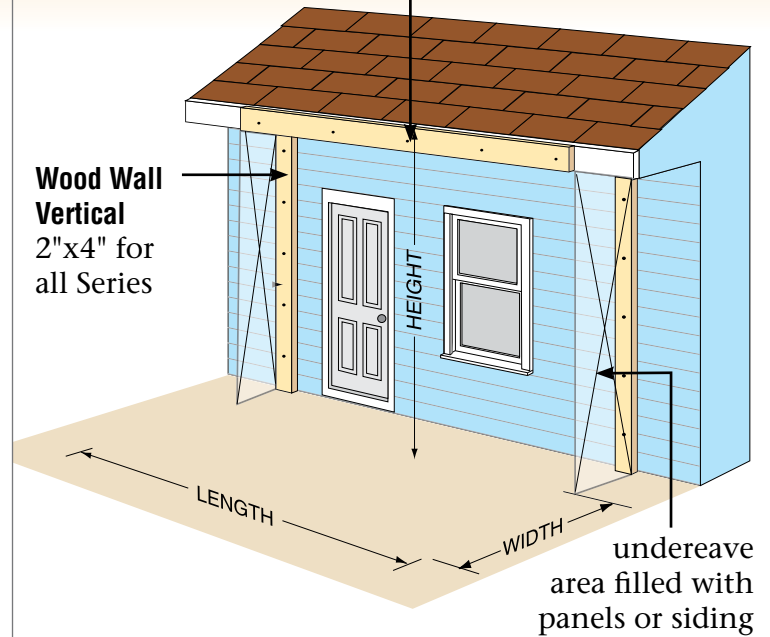
Mounting to an Eave

ShadePorch
2"x8" for All Series

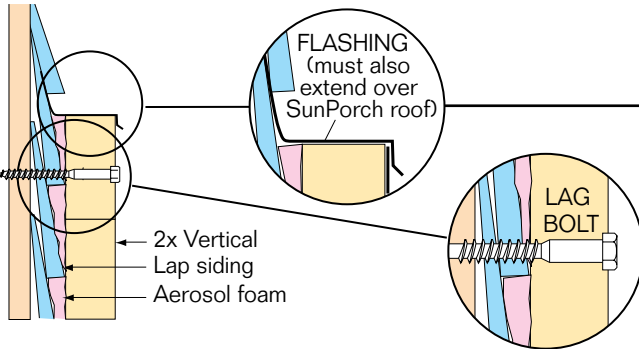
Wood Wall Header

SunPorch
2"x6" for Series 06 & 09
2"x8" for Series 12 & 15

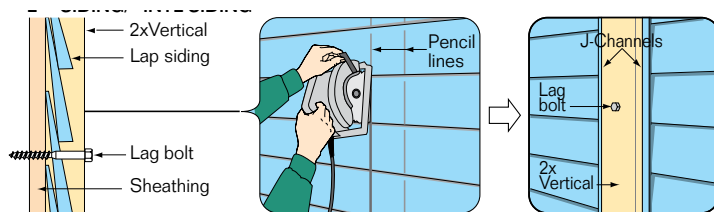
Wood Wall Vertical
2"x4" for all Series



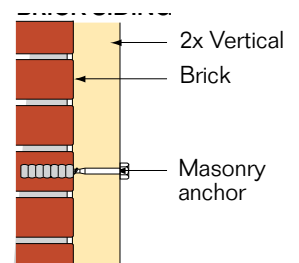
Lapsiding-Face Mount



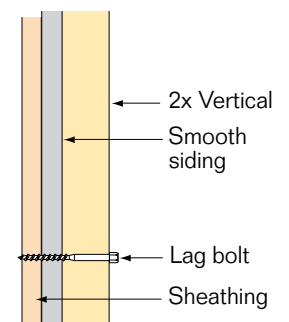
Lapsiding-Vinyl Siding



Brick Siding



Smooth Siding



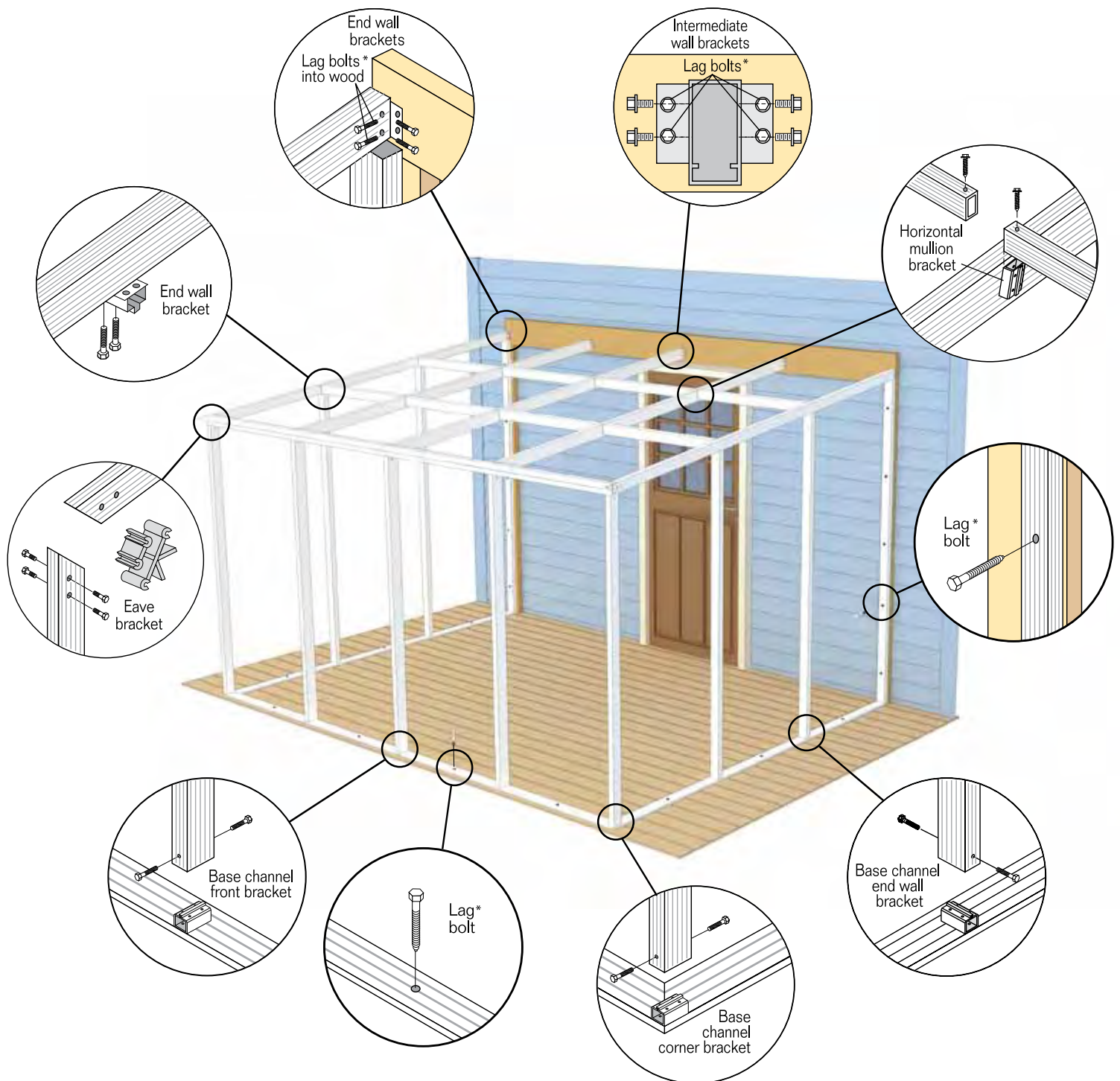
Note: Because every installation has unique requirements, job-site specific materials such as lag bolts, wood headers, flashing, caulk, etc., are not included with the kit. Your local home center or hardware store can provide you with these materials and is an excellent reference source for additional information on building and construction.

Here's how easy it is to assemble your new sunroom.

Assembling & Attaching the Frame

The frame has been designed as an easy erector-set type assembly. All parts have been pre-cut and most fastener holes pre-drilled so that the assembly consists of largely fitting parts together, squaring and tightening fasteners. A high quality cordless screwdriver will help facilitate the assembly.

It's very important to be level & square!

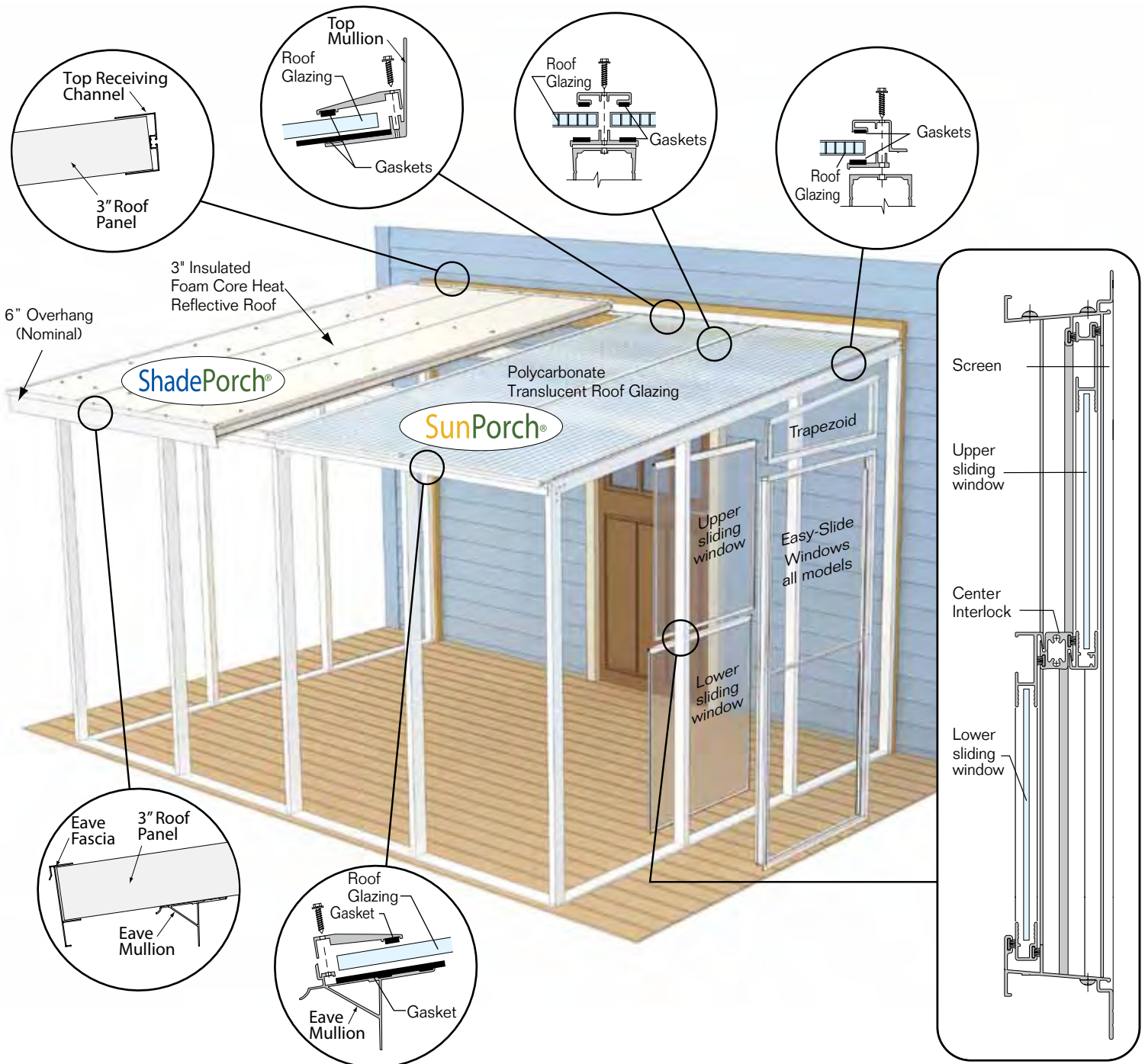


Installing the Roof, Easy-Slide Windows & Screens

SunPorch Roof Glazing: Each 3' wide roof panel runs seamlessly from the front eave to the top ridge. They are supported by horizontal supports & have an internal gutter & weep-hole system for complete weather protection. They are gasketed top & bottom & secured on all four sides.

ShadePorch Roof Glazing: The individual ShadePorch panels are 2' wide and designed to tightly interlock making the roof leak-proof & secure in any kind of weather. A high quality enamel finish is baked onto the metal for a lifetime of maintenance free service.

Wall Glazing: The Easy-Slide windows & permanently mounted screens have a weather resistant sealant tape to insure complete weather protection. The mounting flanges have pilot holes & attach with self-drilling hex-head fasteners.



If You Do Have To Get A Building Permit... Here's What You Need To Know

Permit Application

(Get from your Building Dept.)

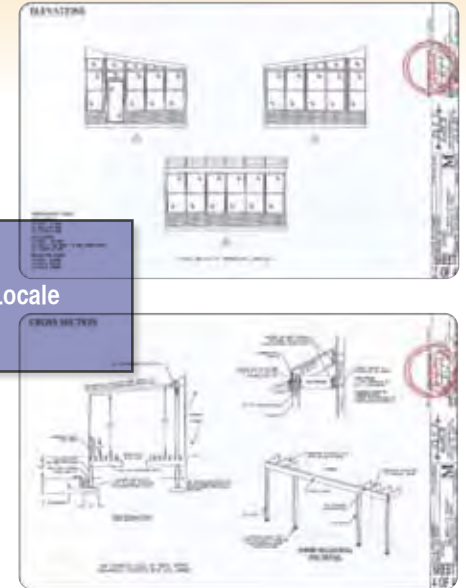
Current Plot Plan and Survey

(Get from your Zoning Dept.)



New Construction Drawings

(available from SunPorch)



The IRC (International Residential Code) is the nationally accepted building code for the United States. Referencing Appendix H of the IRC, SunPorch/ShadePorch is specifically recognized as a **Patio Cover**. By definition, a patio cover requires a separation wall from the adjacent home, is neither conditioned nor habitable, and is considered recreational outdoor space. You will be constructing a screened **Patio Cover** with removable acrylic windows.

Living space that is heated/cooled is considered to be habitable and has different building code requirements. The building department mandates that new living space must conform to strict code regulation and energy code compliance. This type of construction is considerably more expensive and costly than building a simple **Patio Cover**.

While the IRC is nationally recognized, please note that building code rules and regulations may still differ by city, county, state & region. The need to obtain a permit will vary greatly.

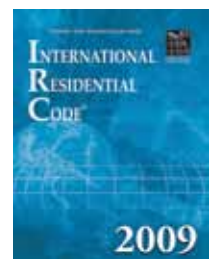
Localized ordinances specific to the your jurisdiction. (Plot Plan)

This refers to checking for zoning requirements, property line setbacks, proximity to wetlands, and local homeowners association approvals.

Localized site attachment unique to your installation. (New Construction Drawings)

Your local code official may request additional details on any of the following: adjacent house wall, eave or fascia attachment, deck or patio construction, or any details related to how the SunPorch is constructed. Local codes may require modifications to the mounting surface of your home.

Special Notice Regarding Permits: It is the sole responsibility of the homeowner to confirm compliance with building code and permit requirements for your site. SunPorch shall have no responsibility in that regard. These code related issues should be discussed with your local building code official prior to taking delivery of your SunPorch structure.



The SunPorch & ShadePorch Patio Cover Meets Or Exceeds Most Building Code Requirements.

- Withstands heavy snow loads & hurricane force winds.
- Lightweight structure with all shatterproof materials.
- Readily mounts on existing decks or patios.
- Designed to accommodate seasonal movement & uplift.
- Requires no footings or structural modifications to the mounting surface.

| Component: | Code Approved Materials of Construction: |
|-------------------|---|
| Framing Members | Extruded Aluminum- 6063 T-6 |
| Roof Glazing | Polycarbonate - ICC-ES Report ESR-1760 |
| Removable Windows | Duraplex Acrylic - ICC-ES Report ESR-2590 |
| Screen | BetterVue® Fiberglass Screening |
| Fasteners | Stainless Steel 304 |

An installed 9' x 12' SunPorch or ShadePorch **Patio Cover** weighs less than 500 pounds.

SunPorch Voluntary Building Code Compliance Specifications:

2006 & 2009 International Residential Code (IRC) Appendix H, Patio Covers

Local building codes vary, contact your building department for exact requirements.

Wind Speed:*

90Mph B Exposure

Snow Load:*

SunPorch Roof Live Load: 40PSF
 ShadePorch Roof Live Load: 70PSF
 Roof Dead Load: 3PSF

Seismic:

Seismic D

**Can be enhanced at additional extra cost. Contact SunPorch engineering for assistance.*

When contacting your building department, please advise them that you are constructing a **Patio Cover** that is non-habitable, non-conditioned and to be used as outdoor recreational space.

Then request the following code information:

- What edition of the IRC is used?
- What is the live load requirement?
- What is the wind load requirement?
- Are there any supplemental City, County or State Codes?
- Are there any other special code requirements?

We Can Help With Engineering Documentation For Permits

Please contact engineering with your requirements. Available services as noted below:

Standard Engineering Documentation For Permits (\$245):

- Includes a single page letter with your name & address
- Letter wet-sealed by state licensed engineer
- Letter references local code compliance
- Fee is due upon request & is non-refundable
- Please allow 1-2 weeks for processing

Enhanced Engineering Documentation

(Cost based upon project review)

- Evaluation of current deck
- Review of patio or slab
- New construction drawings
- Eave attachment detail
- Fascia construction
- Drifting snow loads from adjacent roof
- Fastener attachments to house
- Electrical/lighting requirements
- Egress from existing house
- Height above grade
- Please allow 1-2 weeks for processing

Special Notice:

Use of SunPorch engineering helps to expedite the building permit process. All building permits are issued at the discretion of the local building official.



Wet-Seal is Specific to Your State.

