

# 400 SERIES

## FRENCHWOOD® HINGED PATIO DOORS OUTSWING

 **CUSTOM SIZING!**  
in  $\frac{1}{8}$ " increments

### SECTION REFERENCE

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# FRENCHWOOD® HINGED PATIO DOORS – OUTSWING

## Features

### FRAME

**A** The 1 1/4" high sill has a thermal break to keep heat and cold out. The panels and frame have superior strength and insulating properties and a low-maintenance coating.

**B** All basic exterior frame members are fiberglass reinforced composite, which maintains an attractive appearance while minimizing maintenance.

**C** The frame members are attached to a water-repellent preservative-treated wood subframe for long-lasting\* protection and performance. The subframe is grooved to accept extension jambs.

### PANEL

**D** The exterior of the wood door panel is protected with a long-lasting\* urethane base finish in White, Sandtone, Terratone® or Forest Green color.



**E** Panel interior surfaces are unfinished pine. Unfinished oak and maple veneers are available as options. Low-maintenance prefinished white interiors are also available.

Hinged outswing operating panels are available in either single left- or right-hand active or two-panel active/passive jamb hinged.



**F** A factory-applied, one-piece, compression-type rubber weatherstrip continues in one plane around the panel to provide maximum effectiveness against water and air infiltration. The corners of the weatherstrip are welded to eliminate gaps between the panel and the frame/sill shoulder. The weatherstripping creates a strong, long-lasting\* seal that stands up to harsh weather. The weatherstripping is directly attached to the panel, not to the frame.

**G** The ball bearing hinges are covered with a powder-coat finish. All hinges are color-matched to the panel exterior and can be adjusted up/down and left/right after installation.



### Mortise-and-Tenon Joints

Mortise-and-tenon joints prevent panel sag and maintain smooth operation.



### Removable Panels

The panels can be easily removed with the unique panel release tab on the hinge. This release feature is ideal for transporting large units upstairs or to other hard-to-reach areas. Removable panels also simplify finishing.

### GLASS

**H** Panels are silicone bed glazed and finished with an interior wood stop.



**I** High-Performance™ glass options include:

- Low-E4® tempered glass
- Low-E4® SmartSun™ tempered glass
- Low-E4® Sun tempered glass

Additional glass options are available. Contact your Andersen supplier. (Glass option must be specified.)

### PATTERNEDE GLASS

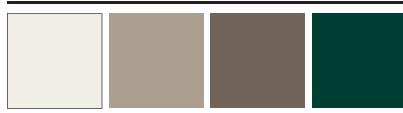
Patterned glass options are available. See page 12 for more details.

\* For complete information on our limited warranties, visit [andersenwindows.com](http://andersenwindows.com) or contact your Andersen supplier.

NOTE: Andersen® patio doors are not intended for use as entrance doors.

## Exterior

Specify a unit exterior and interior finish/veneer option to complete your order.



## Hardware

Sold Separately.



Albany  
black  
gold dust  
stone  
white



Tribeca®  
white  
stone



Anvers®  
bright brass  
satin nickel  
oil rubbed bronze



Newbury®  
bright brass  
antique brass  
polished chrome  
brushed chrome  
satin nickel  
oil rubbed bronze



Covington™  
bright brass  
antique brass  
oil rubbed bronze



Whitmore®  
bright brass  
antique brass  
satin nickel  
oil rubbed bronze



Encino®  
distressed nickel  
distressed bronze



Yuma®  
distressed nickel  
distressed bronze

## Hardware Finishes



Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples. Tribeca and Albany hardware are zinc diecast with powder-coated durable finish. Other hardware is solid forged brass. Mix-and-match interior and exterior style and finish options are available. Bright brass and satin nickel finishes feature a 10-year limited warranty.

## Accessories

Sold Separately.

### LOCKING SYSTEM



#### Multi-Point Locking System

The Frenchwood hinged patio door has a multi-point locking system with two hook bolts above and below the center dead bolt. This system provides added weathertightness and enhanced security.

### StormWATCH<sup>®</sup> PROTECTION



Frenchwood<sup>®</sup> hinged patio doors are available with Stormwatch<sup>®</sup> protection. For a copy of the *Andersen<sup>®</sup> Coastal Product Guide*, contact your Andersen supplier.

### FRAME

#### Extension Jams

Standard jamb depth is 4  $\frac{9}{16}$ ". Pine, oak or maple veneer or white interior extension jams are available for the following wall thicknesses:

- 5  $\frac{1}{4}$ "
- 6  $\frac{9}{16}$ "
- 7  $\frac{1}{8}$ "



#### Sill Support

An aluminum sill support is designed to lock into a channel under the sill and tie back into the wall. This will offer support to the outermost sill section when needed. Available in neutral gray finish.



#### Sill Step

The Frenchwood<sup>®</sup> outswing door offers an optional oak or maple sill step.

### GLASS

#### Andersen<sup>®</sup> Art Glass

Andersen art glass panels come in eleven original patterns, including four *Frank Lloyd Wright<sup>®</sup>* Series designs. See page 139 for complete details on Andersen art glass or visit [andersenwindows.com/artglass](http://andersenwindows.com/artglass) for pattern information.

### INSECT SCREENS

#### Retractable Insect Screen

The retractable insect screen is installed on the interior of the door across the width of the opening. When the insect screen is not in use, it neatly retracts into small canisters mounted on each side of the door. Retractable insect screens are made of a long-lasting\* fiberglass screen cloth with a charcoal finish. They are available for single-panel and two-panel doors with oak, maple, pine and white finishes. Contact your Andersen supplier for availability. Please note, retractable screen track reduces clear opening height by 1".

### SIDELIGHTS AND TRANSOMS



Sidelights and transoms are available for all Frenchwood hinged patio doors. See page 171 for details.

### GRILLES

#### Divided Light Patterns

See page 168 for divided light patterns or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).

### HARDWARE



#### Exterior Keyed Lock

A six-pin key cylinder lock is available for all patio doors in styles and finishes that coordinate with hardware. This lock allows the patio door to be locked and unlocked from the exterior.



#### Construction Lock

This hardware can be used on all Andersen hinged doors to help secure the jobsite during the construction phase of the project. It features an undersized escutcheon plate, which makes on-site finishing easier.

**NEW**

### EXTERIOR TRIM

This product now available with Andersen Exterior Trim. See pages 141–144 for details.



#### Handle Extension

Handle extensions extend interior door handles an additional 1" from the door panel to accommodate interior blinds or shades. A second extender may be added to the spindle to increase the length an additional 1" to a 2" total extension. Extenders and spindles are sold separately. They are available in finishes that coordinate with hardware.

\* For complete information on our limited warranties, visit [andersenwindows.com](http://andersenwindows.com) or contact your Andersen supplier.

**CAUTION:**

- Painting and staining may cause damage to rigid vinyl.
- Products in Sandtone or Terratone<sup>®</sup> color may be painted any color lighter than Terratone using quality oil-base or latex paint. Submit color samples to Andersen for approval when painting White. Submit color samples to Andersen for approval when painting Sandtone or Terratone any color darker than Terratone.
- Do not paint Forest Green exteriors.
- Creosote-based stains should not come in contact with Andersen products.
- Do not paint weatherstripping.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.
- For vinyl painting instructions and preparation, contact your Andersen supplier.
- Andersen does not warrant the adhesion of paint to vinyl.

NOTE: Ramped sill insert is not applicable to Frenchwood<sup>®</sup> outswing patio doors.

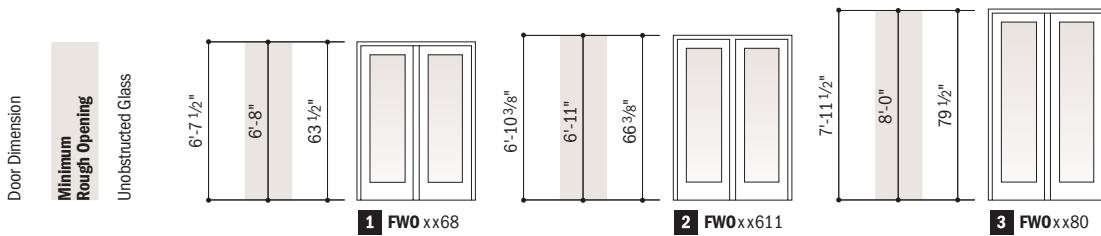
*“Frank Lloyd Wright” is a registered trademark of the Frank Lloyd Wright Foundation.*

For more information about glass, patterned glass, art glass, grilles and installation accessories, see pages 12–32 or visit

[andersenwindows.com](http://andersenwindows.com)

# FRENCHWOOD® HINGED PATIO DOORS – OUTSWING

## Three Patio Door Heights



## Table of Frenchwood® Hinged Outswing Patio Door Sizes

Scale  $1/8" = 1'-0" (1:96)$

| Door Dimension                         | 2'-0 1/2" | 4'-0"   | 4'-0"   | 2'-6 1/8" | 2'-6 1/8" | 4'-11 1/4" | 4'-11 1/4" |
|--|-----------|---------|---------|-----------|-----------|------------|------------|
| Minimum Rough Opening                  | 2'-1"     | 4'-1"   | 4'-1"   | 2'-7"     | 2'-7"     | 5'-0"      | 5'-0"      |
| Unobstructed Glass (single panel only) | 13 1/4"   | 13 1/4" | 13 1/4" | 18 7/8"   | 18 7/8"   | 18 7/8"    | 18 7/8"    |

**3 heights**

|                   |                    |                    |                   |                  |                  |                    |                    |
|-------------------|--------------------|--------------------|-------------------|------------------|------------------|--------------------|--------------------|
| <b>1 FWO2168S</b> | <b>FWO4168APLR</b> | <b>FWO4168PALR</b> | <b>1 FWO2768S</b> | <b>FWO2768AR</b> | <b>FWO2768AL</b> | <b>FWO5068APLR</b> | <b>FWO5068PALR</b> |
| <b>2 FWO2161S</b> | <b>FWO4161APLR</b> | <b>FWO4161PALR</b> | <b>2 FWO2761S</b> | <b>FWO2761AR</b> | <b>FWO2761AL</b> | <b>FWO5061APLR</b> | <b>FWO5061PALR</b> |
| <b>3 FWO2180S</b> | <b>FWO4180APLR</b> | <b>FWO4180PALR</b> | <b>3 FWO2780S</b> | <b>FWO2780AR</b> | <b>FWO2780AL</b> | <b>FWO5080APLR</b> | <b>FWO5080PALR</b> |

| Door Dimension                         | 2'-8 1/8" | 2'-8 1/8" | 2'-8 1/8" | 5'-3 1/4" | 5'-3 1/4" |
|--|-----------|-----------|-----------|-----------|-----------|
| Minimum Rough Opening                  | 2'-9"     | 2'-9"     | 2'-9"     | 5'-4"     | 5'-4"     |
| Unobstructed Glass (single panel only) | 20 7/8"   | 20 7/8"   | 20 7/8"   | 20 7/8"   | 20 7/8"   |

**3 heights**

|                   |                  |                  |                    |                    |
|-------------------|------------------|------------------|--------------------|--------------------|
| <b>1 FWO2968S</b> | <b>FWO2968AR</b> | <b>FWO2968AL</b> | <b>FWO5468APLR</b> | <b>FWO5468PALR</b> |
| <b>2 FWO2961S</b> | <b>FWO2961AR</b> | <b>FWO2961AL</b> | <b>FWO5461APLR</b> | <b>FWO5461PALR</b> |
| <b>3 FWO2980S</b> | <b>FWO2980AR</b> | <b>FWO2980AL</b> | <b>FWO5480APLR</b> | <b>FWO5480PALR</b> |



Custom-size doors are available in  $1/8"$  increments between the smallest and largest standard door sizes. Some restrictions apply. Contact your Andersen supplier for availability.

Stationary (S) doors can be used as an individual unit or as a sidelight.

Divided light patterns shown on page 168.

| Door Dimension                         | 3'-0 1/8" | 3'-0 1/8" | 3'-0 1/8" | 5'-11 1/4" | 5'-11 1/4" |
|--|-----------|-----------|-----------|------------|------------|
| Minimum Rough Opening                  | 3'-1"     | 3'-1"     | 3'-1"     | 6'-0"      | 6'-0"      |
| Unobstructed Glass (single panel only) | 24 7/8"   | 24 7/8"   | 24 7/8"   | 24 7/8"    | 24 7/8"    |

**3 heights**

|                   |                  |                  |                    |                    |
|-------------------|------------------|------------------|--------------------|--------------------|
| <b>1 FWO3168S</b> | <b>FWO3168AR</b> | <b>FWO3168AL</b> | <b>FWO6068APLR</b> | <b>FWO6068PALR</b> |
| <b>2 FWO3161S</b> | <b>FWO3161AR</b> | <b>FWO3161AL</b> | <b>FWO6061APLR</b> | <b>FWO6061PALR</b> |
| <b>3 FWO3180S</b> | <b>FWO3180AR</b> | <b>FWO3180AL</b> | <b>FWO6080APLR</b> | <b>FWO6080PALR</b> |

• "Door Dimension" always refers to outside frame to frame dimension.

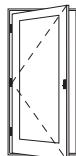
• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 33.

## Identification

Viewed from the exterior.



**Stationary**  
Non-operating



**Left Hinged**  
Hinges on left side



**Right Hinged**  
Hinges on right side



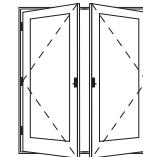
**Active Panel**  
Operating panel used most often



**Passive Panel**  
Operating panel with attached astragal

## Order Designation Description

Viewed from the exterior.



**FWO 6068 A P L R**

Frenchwood® Hinged Outswing Patio Door

Door Rough Opening

Active Panel

Passive Panel

Left Hinged

Right Hinged

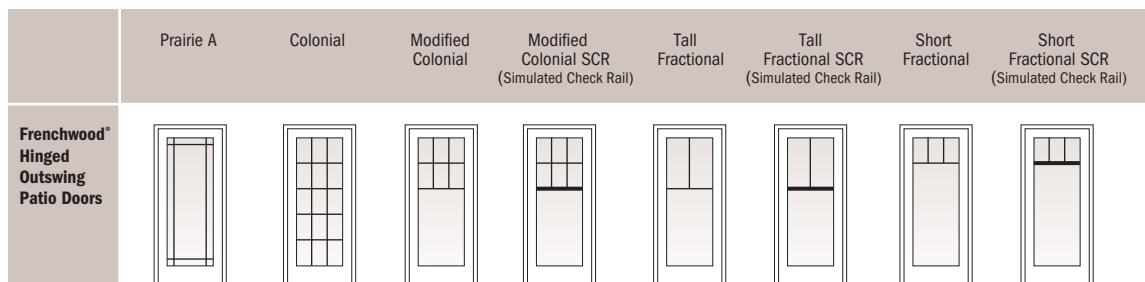
## Frenchwood® Hinged Outswing Patio Door Opening Specifications

| Door Number      | Clear Opening Sq. Ft. | 90° Width Inches | Full Width Inches | Height Inches | Glass Area Sq. Ft. | Vent Sq. Ft. | Overall Door Area Sq. Ft. |
|------------------|-----------------------|------------------|-------------------|---------------|--------------------|--------------|---------------------------|
| 2768             | 13.34                 | 25 1/8"          | 26 11/16"         | 76 1/2"       | 8.32               | 13.34        | 16.62                     |
| 2968             | 14.40                 | 27 1/8"          | 28 11/16"         | 76 1/2"       | 9.20               | 14.40        | 17.72                     |
| 3168             | 16.53                 | 31 1/8"          | 32 11/16"         | 76 1/2"       | 10.96              | 16.53        | 19.93                     |
| 4168AP/4168PA    | 21.98                 | 41 1/16"         | 44 5/8"           | 76 1/2"       | 11.67              | 21.98        | 26.48                     |
| 4168AP/4168PA*   | 21.98                 | 19 3/8"          | 20 7/8"           | 76 1/2"       | 11.67              | 21.98        | 26.48                     |
| 5068AP/5068PA    | 27.95                 | 52 5/8"          | 55 13/16"         | 76 1/2"       | 16.64              | 27.95        | 32.68                     |
| 5068AP/5068PA*   | 27.95                 | 25"              | 26 1/2"           | 76 1/2"       | 16.64              | 27.95        | 32.68                     |
| 5468AP/5468PA    | 30.08                 | 56 5/8"          | 59 13/16"         | 76 1/2"       | 18.39              | 30.08        | 34.89                     |
| 5468AP/5468PA*   | 30.08                 | 27"              | 28 1/2"           | 76 1/2"       | 18.39              | 30.08        | 34.89                     |
| 6068AP/6068PA    | 34.33                 | 64 5/8"          | 67 13/16"         | 76 1/2"       | 21.92              | 34.33        | 39.30                     |
| 6068AP/6068PA*   | 34.33                 | 31"              | 32 1/2"           | 76 1/2"       | 21.92              | 34.33        | 39.30                     |
| 27611            | 13.48                 | 25 1/8"          | 26 11/16"         | 79 3/8"       | 8.69               | 13.48        | 17.22                     |
| 29611            | 14.94                 | 27 1/8"          | 28 11/16"         | 79 3/8"       | 9.61               | 14.94        | 18.36                     |
| 31611            | 17.15                 | 31 1/8"          | 32 11/16"         | 79 3/8"       | 11.45              | 17.15        | 20.65                     |
| 41611AP/41611PA  | 22.80                 | 41 1/16"         | 44 5/8"           | 79 3/8"       | 12.20              | 22.80        | 27.44                     |
| 41611AP/41611PA* | 22.80                 | 19 3/8"          | 20 7/8"           | 79 3/8"       | 12.20              | 22.80        | 27.44                     |
| 50611AP/50611PA  | 29.00                 | 52 5/8"          | 55 13/16"         | 79 3/8"       | 17.38              | 29.00        | 33.87                     |
| 50611AP/50611PA* | 29.00                 | 25"              | 26 1/2"           | 79 3/8"       | 17.38              | 29.00        | 33.87                     |
| 54611AP/54611PA  | 31.21                 | 56 5/8"          | 59 13/16"         | 79 3/8"       | 19.22              | 31.21        | 36.15                     |
| 54611AP/54611PA* | 31.21                 | 27"              | 28 1/2"           | 79 3/8"       | 19.22              | 31.21        | 36.15                     |
| 60611AP/60611PA  | 35.62                 | 64 5/8"          | 67 13/16"         | 79 3/8"       | 22.91              | 35.62        | 40.73                     |
| 60611AP/60611PA* | 35.62                 | 31"              | 32 1/2"           | 79 3/8"       | 22.91              | 35.62        | 40.73                     |
| 2780             | 16.13                 | 25 1/8"          | 26 11/16"         | 92 1/2"       | 10.41              | 16.13        | 19.96                     |
| 2980             | 17.42                 | 27 1/8"          | 28 11/16"         | 92 1/2"       | 11.52              | 17.42        | 21.29                     |
| 3180             | 19.99                 | 31 1/8"          | 32 11/16"         | 92 1/2"       | 13.72              | 19.99        | 23.94                     |
| 4180AP/4180PA    | 26.57                 | 41 1/16"         | 44 5/8"           | 92 1/2"       | 14.62              | 26.57        | 31.81                     |
| 4180AP/4180PA*   | 26.57                 | 19 3/8"          | 20 7/8"           | 92 1/2"       | 14.62              | 26.57        | 31.81                     |
| 5080AP/5080PA    | 33.80                 | 52 5/8"          | 55 13/16"         | 92 1/2"       | 20.82              | 33.80        | 39.27                     |
| 5080AP/5080PA*   | 33.80                 | 25"              | 26 1/2"           | 92 1/2"       | 20.82              | 33.80        | 39.27                     |
| 5480AP/5480PA    | 36.37                 | 56 5/8"          | 59 13/16"         | 92 1/2"       | 23.03              | 36.37        | 41.92                     |
| 5480AP/5480PA*   | 36.37                 | 27"              | 28 1/2"           | 92 1/2"       | 23.03              | 36.37        | 41.92                     |
| 6080AP/6080PA    | 41.51                 | 64 5/8"          | 67 13/16"         | 92 1/2"       | 27.44              | 41.51        | 47.22                     |
| 6080AP/6080PA*   | 41.51                 | 31"              | 32 1/2"           | 92 1/2"       | 27.44              | 41.51        | 47.22                     |

\*Passive panel in closed position.

# FRENCHWOOD® HINGED PATIO DOORS – OUTSWING

## Divided Light Patterns

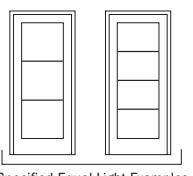


Number of lights and overall pattern varies with panel size.

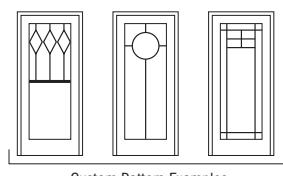
Patterns are not available in all configurations.

Specified equal light and custom patterns are also available.

For more information on divided light see page 13 or visit  
[andersenwindows.com/grilles](http://andersenwindows.com/grilles).



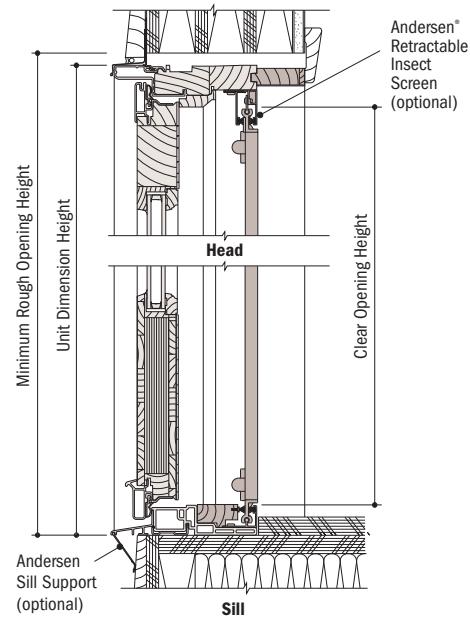
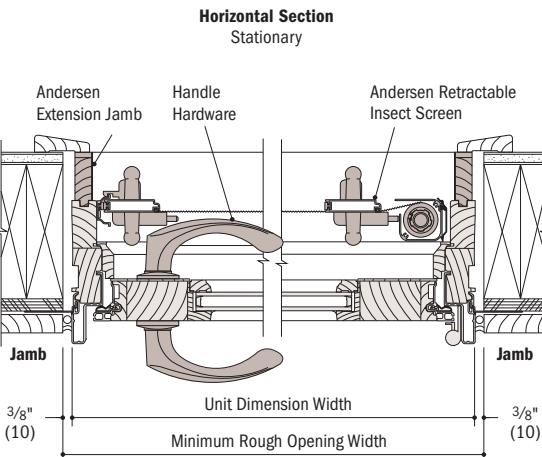
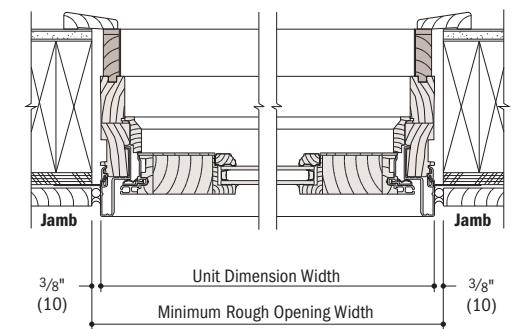
Specified Equal Light Examples



Custom Pattern Examples

## Frenchwood® Hinged Outswing Patio Door Details

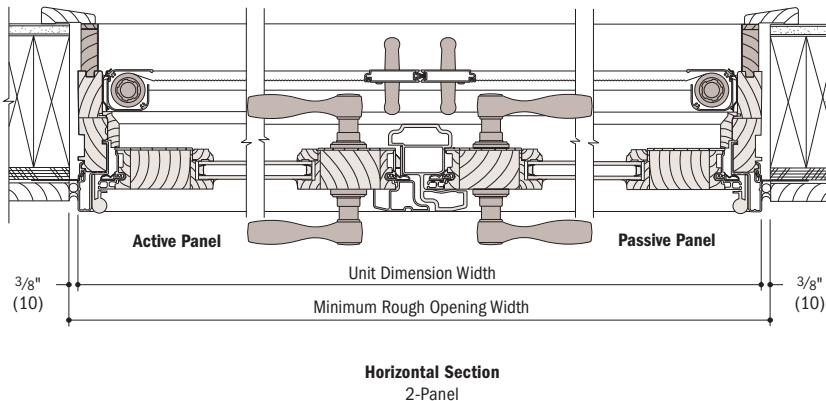
Scale 1 1/2" = 1'-0" (1:8)



- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 33.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).

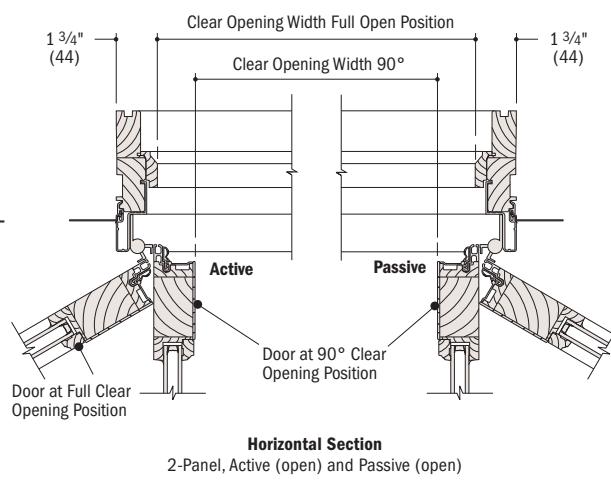
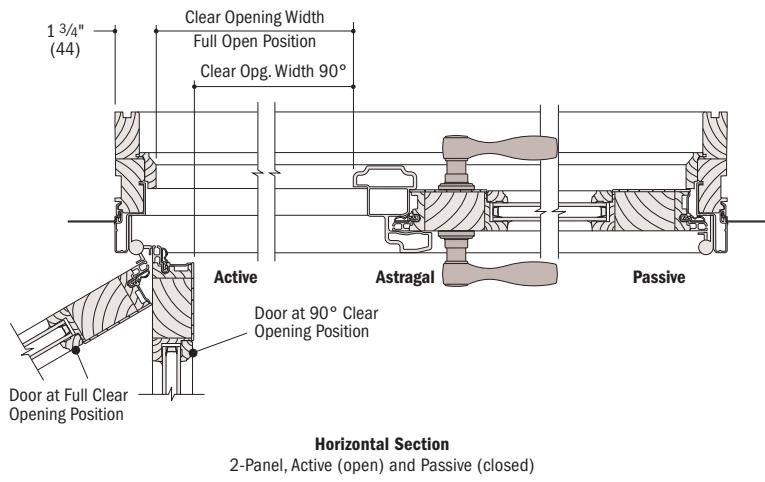
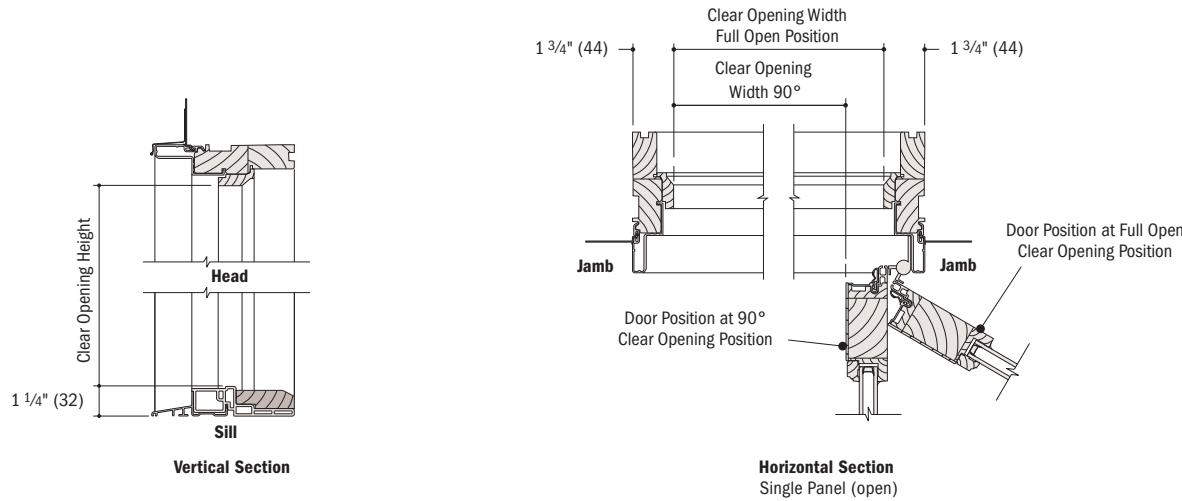
**Frenchwood® Hinged Outswing Patio Door Details**

Scale  $1\frac{1}{2}'' = 1'-0''$  (1:8)



**Clear Opening Details**

Scale  $1\frac{1}{2}'' = 1'-0''$  (1:8)



- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 33.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).

# FRENCHWOOD® HINGED PATIO DOORS – OUTSWING

## Vertical Non-Reinforced Joining Detail

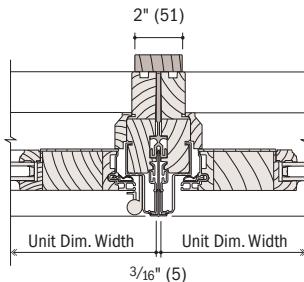
Scale  $1\frac{1}{2}'' = 1'-0''$  (1:8)

### Overall Door Dimension Width

Sum of individual door widths plus  $\frac{3}{16}''$  for each join.

### Overall Rough Opening Width

Overall door dimension width plus  $\frac{3}{4}''$ .



### Horizontal Section

Frenchwood® Hinged Outswing to Frenchwood Hinged Outswing

## Vertical LVL Reinforced Joining Detail

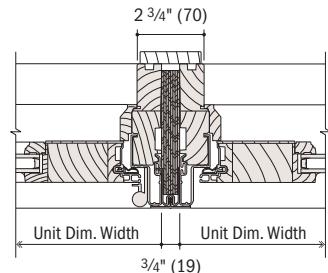
Scale  $1\frac{1}{2}'' = 1'-0''$  (1:8)

### Overall Door Dimension Width

Sum of individual door widths plus  $\frac{3}{4}''$  for each join.

### Overall Rough Opening Width

Overall door width plus  $\frac{3}{4}''$ .



### Horizontal Section

Frenchwood® Hinged Outswing to Frenchwood Hinged Outswing

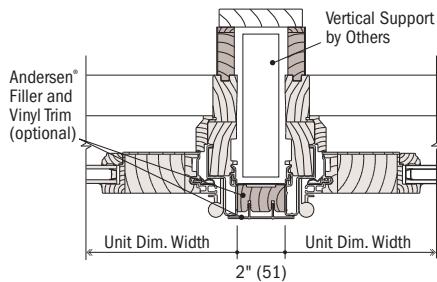
**Andersen does not recommend joining of hinge jamb**

**to hinge jamb. For more joining information see the combination design section starting on page 259.**

## Separate Rough Openings Detail

Scale  $1\frac{1}{2}'' = 1'-0''$  (1:8)

To meet structural requirements or to achieve a wider joined appearance, windows may be installed into separate rough openings having vertical support (by others) in combination with Andersen® exterior filler and exterior vinyl trim.



### Horizontal Section

Frenchwood® Hinged Outswing and Frenchwood Hinged Outswing

- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 33.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).
- Andersen recommends installation of doors into separate rough openings. Consult with an architect or structural engineer regarding minimum requirements for structural support members between adjacent rough openings.