200 SERIES

PERMA-SHIELD® GLIDING PATIO DOORS

CUSTOM SIZING!
in ⅛" increments

SECTION REFERENCE

Features

C Wood frame members are treated with a water-repellent preservative for long-lasting* protection and performance.

Factory-assembled doors are now available (two-panel doors) and arrive at the jobsite ready to install. Unassembled doors are also available and require jobsite assembly.

D A flexible PVC weatherstrip on the head and side jambs provides a positive seal between the frame and panels.

PANEL

E All panel surfaces are covered with a rigid vinyl (PVC) sheath which maintains an attractive appearance while minimizing maintenance. Available in White, Sandtone or Terratone® color.

F Laminated veneer lumber panels provide excellent structural stability and energy efficiency.

Dual rollers on door panels provide smooth gliding operation with self-contained leveling adjusters.

Flexible Seal

A full-length combination weatherstrip/interlock system provides a flexible seal at the meeting stile.

GLASS

G A rigid vinyl or CPVC glazing bead features a flexible lip which provides superior weathertightness and long-term durability.

H Glass options include:

- Low-E tempered glass
- Low-E SmartSun™ tempered glass
- Low-E Sun tempered glass
- Dual-pane insulating tempered glass

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

A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

* For complete information on our limited warranties, visit andersenwindows.com or contact your Andersen supplier.

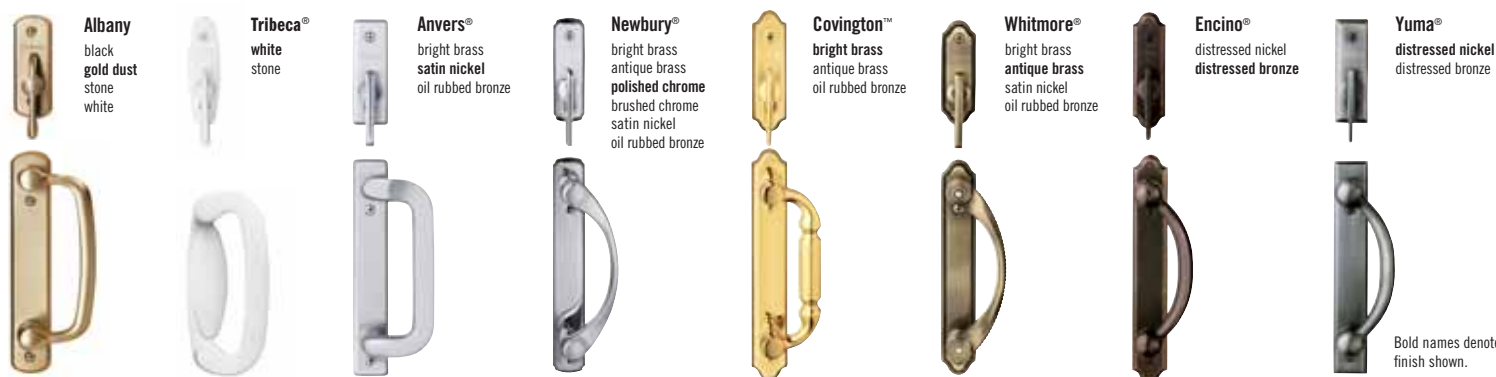NOTE: Andersen® patio doors are not intended for use as entrance doors.

FRAME

A The sill of the Andersen® Perma-Shield® gliding patio door has an anodized aluminum track with a stainless steel cap that resists stain, rust and denting.* A thermal barrier reduces conductive heat loss and limits condensation on the inside.

B All basic exterior frame members are covered with a rigid vinyl (PVC) sheath which maintains an attractive appearance while minimizing maintenance.

Exterior & Interior
Specify a unit color option to complete your order.

White **Sandtone** **Terratone®**

Hardware
Sold Separately.

Albany	**Tribeca®**	**Anvers®**	**Newbury®**	**Covington™**	**Whitmore®**	**Encino®**	**Yuma®**
black	white	bright brass	bright brass	**bright brass**	bright brass	distressed nickel	**distressed nickel**
gold dust	stone	**satin nickel**	antique brass	antique brass	antique brass	**distressed bronze**	distressed bronze
stone		oil rubbed bronze	**polished chrome**	oil rubbed bronze	**antique brass**		
white			brushed chrome		satin nickel		
			satin nickel		oil rubbed bronze		
			oil rubbed bronze				

Bold names denote finish shown.

Hardware Finishes

bright brass	antique brass	polished chrome	brushed chrome	satin nickel	oil rubbed bronze	distressed nickel	distressed bronze	white	stone	gold dust	black

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

Reachout Locking Hardware
The unique Andersen reachout locking system pulls the door panel snugly into the jamb for weathertightness and enhanced security.

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

andersenwindows.com

FRAME

Extension Jambs
Standard jamb depth is 4 $^9/_{16}$". Pine, oak or maple veneer or white interior extension jambs are available for the following wall thicknesses:

• 5 $^1/_4$"
• 6 $^9/_{16}$"
• 7 $^1/_8$"

Threshold
An oak or maple threshold is available for finishing the interior of the sill.

Ramped Sill Insert
Ramped sills provide smooth transition from interior to exterior and can be used with a retractable insect screen, but not a gliding insect screen. Shown here with an Andersen® Frenchwood® patio door. (Specifier must check with local and federal officials to determine if product meets accessibility codes.)

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.

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.
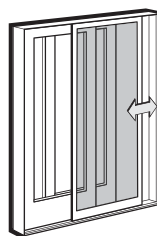
Auxiliary Foot Lock
This gliding door panel auxiliary foot lock provides an extra measure of security when the door is in a locked position. Available in finishes that coordinate with hardware.
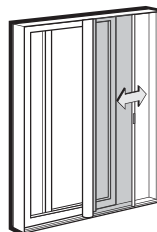
NEW

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

INSECT SCREENS

Gliding Insect Screen
Gliding insect screens are available for two- and four-panel doors with frames in White, Sandtone or Terratone® color baked-on enamel finish. Square corner joint construction adds considerable strength to the frame members, and the long-lasting* fiberglass screen cloth has a charcoal finish. Delrin® injection molded bottom rollers with self-contained leveling adjusters provide smooth operation. Interior and exterior pulls and latch are provided.

Retractable Insect Screen
The retractable insect screen is installed on the exterior of the door and opens side-to-side across the width of the opening. When the insect screen is not in use, it neatly retracts into a small canister mounted on the exterior of the door. The retractable insect screen has a long-lasting* fiberglass screen cloth with a charcoal finish. Canisters are available for two-panel patio doors in White, Sandtone and Terratone® colors. Please note, retractable screen track reduces clear opening height by 1."

SIDELIGHTS
Stationary units can also be selected for use as sidelights. See size table on page 248 for size options.

200 Series
Perma-Shield®
Gliding Patio Doors

PERMA-SHIELD® GLIDING PATIO DOORS

Table of Perma-Shield® Gliding Patio Door Sizes
Scale $1/8$" = 1'-0" (1:96)

	4'-11 $1/4$"	4'-11 $1/4$"	5'-10 $1/2$"	5'-10 $1/2$"
Door Dimension				
Minimum Rough Opening	5'-0"	5'-0"	5'-11 $1/4$"	5'-11 $1/4$"
Unobstructed Glass (single panel only)	24 $3/4$"	24 $3/4$"	30 $3/8$"	30 $3/8$"

6'-7 $1/2$"   6'-8"   71"

PS5068**L**   **PS**5068**R**   **PS**51168**L**   **PS**51168**R**

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.

	3'-2 $3/8$"	6'-0"	6'-0"	4'-2 $3/8$"	8'-0"	8'-0"
Door Dimension						
Minimum Rough Opening	3'-3 $1/8$"	6'-0 $3/4$"	6'-0 $3/4$"	4'-3 $1/8$"	8'-0 $3/4$"	8'-0 $3/4$"
Unobstructed Glass (single panel only)	31 $1/8$"	31 $1/8$"	31 $1/8$"	43 $1/8$"	43 $1/8$"	43 $1/8$"

6'-10 $3/8$"   6'-11"   66 $3/8$"

PS33611**S**   **PS**61611**L**   **PS**61611**R**   **PS**43611**S**   **PS**81611**L**   **PS**81611**R**

7'-11 $1/2$"   8'-0"   79 $1/2$"

PS3380**S**   **PS**6180**L**   **PS**6180**R**   **PS**4380**S**   **PS**8180**L**   **PS**8180**R**

Viewed from the exterior. Arrow indicates direction of panel operation.

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

Divided light patterns shown on page 249.

- "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.

Perma-Shield® Gliding Patio Door Opening Specifications

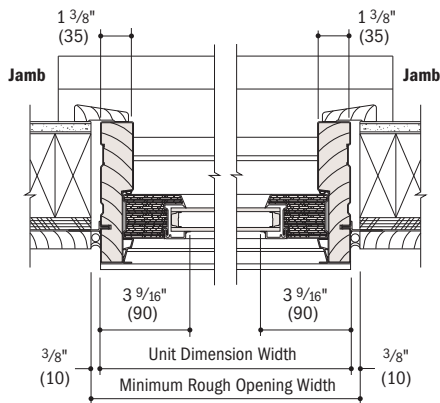| Door Number	Clear Opening Sq. Ft.	Clear Opening in Full Open Position		Glass Area Sq. Ft.	Vent Sq. Ft.	Overall Window Area Sq. Ft.
		Width Inches	Height Inches			
PS5068	11.640	22 $1/8$"	75 $3/4$"	24.900	11.640	32.710
PS51168	14.600	27 $3/4$"	75 $3/4$"	30.400	14.600	38.920
PS61611	15.560	28 $1/2$"	78 $5/8$"	32.400	15.560	41.190
PS81611	22.110	40 $1/2$"	78 $5/8$"	44.200	22.110	54.920
PS33611	–	–	–	16.000	–	21.950
PS43611	–	–	–	22.100	–	28.820
PS6180	18.160	28 $1/2$"	91 $3/4$"	37.600	18.160	47.750
PS8180	25.800	40 $1/2$"	91 $3/4$"	52.100	25.800	63.670

Divided Light Patterns

	Prairie A	Colonial	Modified Colonial	Modified Colonial SCR (Simulated Check Rail)	Tall Fractional	Tall Fractional SCR (Simulated Check Rail)	Short Fractional	Short Fractional SCR (Simulated Check Rail)
Perma-Shield® Gliding Patio Doors								

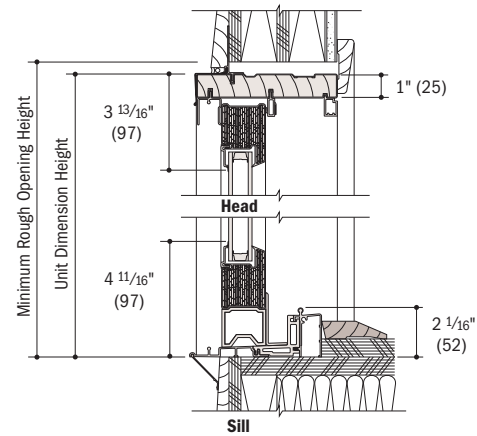**Number of lights and overall pattern varies with panel size. Patterns are not available in all configurations.**

See page 13 for more information.

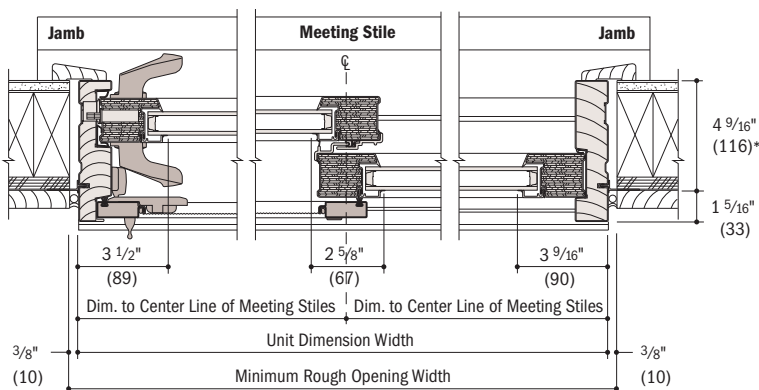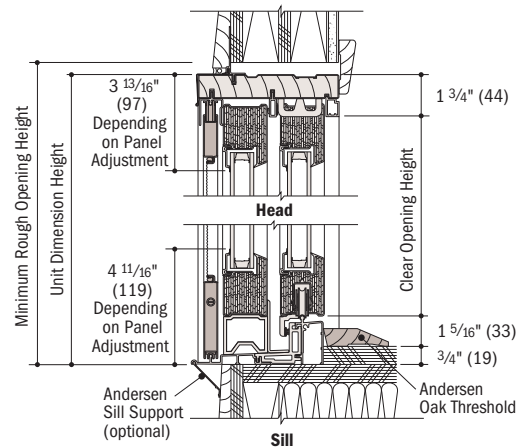## Perma-Shield® Gliding Patio Door Details
Scale 1 1/2" = 1'-0" (1:8)

1 3/8" (35)

Jamb

1 3/8" (35)

Jamb

3 9/16" (90)

3 9/16" (90)

3/8" (10)

Unit Dimension Width

Minimum Rough Opening Width

3/8" (10)

Horizontal Section
Stationary

Minimum Rough Opening Height

Unit Dimension Height

1" (25)

3 13/16" (97)

Head

4 11/16" (97)

2 1/16" (52)

Sill

Vertical Section
Stationary

Jamb

Meeting Stile

Jamb

4 9/16" (116)*

1 5/16" (33)

3 1/2" (89)

2 5/8" (67)

3 9/16" (90)

Dim. to Center Line of Meeting Stiles | Dim. to Center Line of Meeting Stiles

Unit Dimension Width

3/8" (10)

Minimum Rough Opening Width

3/8" (10)

Horizontal Section
2-Panel

Minimum Rough Opening Height

Unit Dimension Height

3 13/16" (97) Depending on Panel Adjustment

1 3/4" (44)

Head

Clear Opening Height

4 11/16" (119) Depending on Panel Adjustment

1 5/16" (33)

3/4" (19)

Andersen Sill Support (optional)

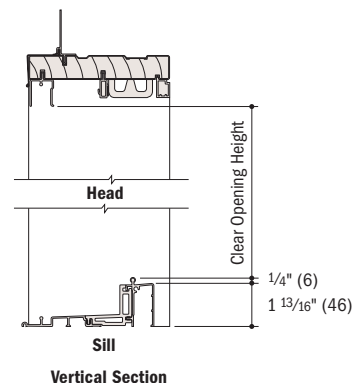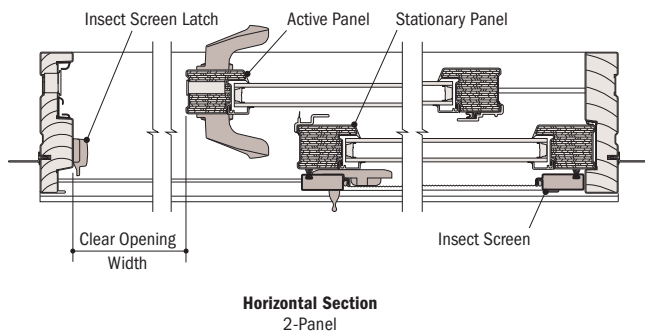Andersen Oak Threshold

Sill

Vertical Section

• Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window 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.
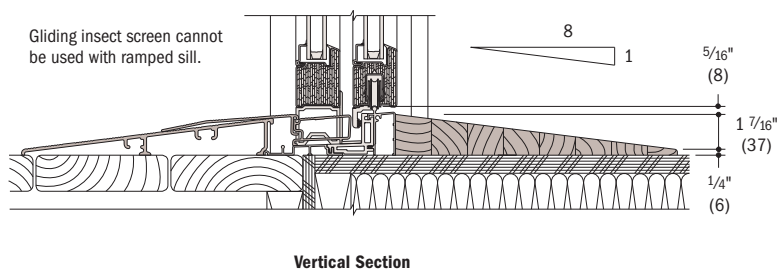
200 Series Perma-Shield® Gliding Patio Doors

PERMA-SHIELD® GLIDING PATIO DOORS

Clear Opening Details
Scale 1¹/₂" = 1'-0" (1:8)

Insect Screen Latch — **Active Panel** — **Stationary Panel**

Clear Opening Width

Insect Screen

Horizontal Section
2-Panel

Head

Clear Opening Height

¹/₄" (6)

1 ¹³/₁₆" (46)

Sill

Vertical Section

Ramped Sill Detail
Scale 1¹/₂" = 1'-0" (1:8)

Gliding insect screen cannot be used with ramped sill.

8

1

⁵/₁₆" (8)

1 ⁷/₁₆" (37)

¹/₄" (6)

Vertical Section
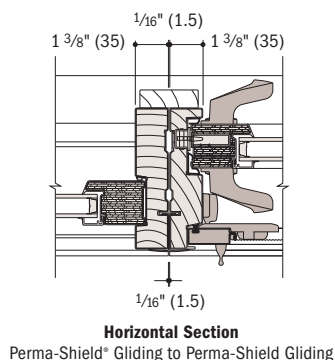
Vertical Non-Reinforced Joining Detail
Scale 1¹/₂" = 1'-0" (1:8)

Overall Door Dimension Width

Sum of individual door widths plus ¹/₁₆" for each join.

Overall Rough Opening Width

Overall door width plus ³/₄".

¹/₁₆" (1.5)

1 ³/₈" (35) — 1 ³/₈" (35)

¹/₁₆" (1.5)

Horizontal Section
Perma-Shield® Gliding to Perma-Shield Gliding
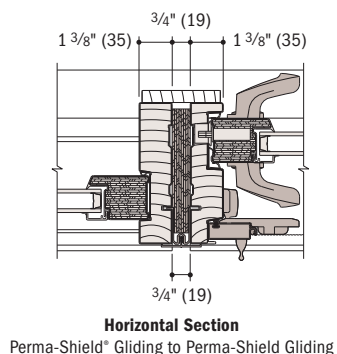
Vertical LVL Reinforced Joining Detail
Scale 1¹/₂" = 1'-0" (1:8)

Overall Door Dimension Width

Sum of individual door widths plus ³/₄" for each join.
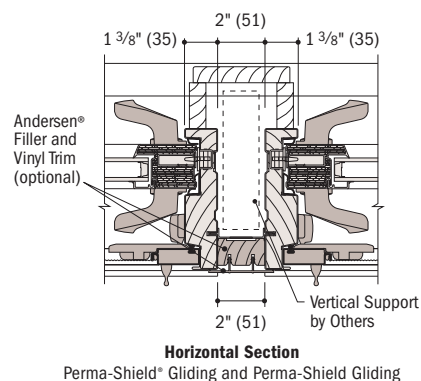
Overall Rough Opening Width

Overall door width plus ³/₄".

³/₄" (19)

1 ³/₈" (35) — 1 ³/₈" (35)

³/₄" (19)

Horizontal Section
Perma-Shield® Gliding to Perma-Shield Gliding

Andersen does not recommend joining of receiver jamb to receiver jamb. For more joining information see the combination design section starting on page 259.

Separate Rough Openings Detail
Scale 1¹/₂" = 1'-0" (1:8)

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

2" (51)

1 ³/₈" (35) — 1 ³/₈" (35)

Andersen® Filler and Vinyl Trim (optional)

Vertical Support by Others

2" (51)

Horizontal Section
Perma-Shield® Gliding and Perma-Shield Gliding

• 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.
• 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.