

PERMA-SHIELD[®] GLIDING PATIO DOORS

CUSTOM SIZING
in 1/8" (3) increments



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Dimensions in parentheses are in millimeters.



A.B.E. Doors & Windows

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PERMA-SHIELD® GLIDING PATIO DOORS

FEATURES

Frame

A The sill 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 which maintains an attractive appearance while minimizing maintenance.

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

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

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

Panel

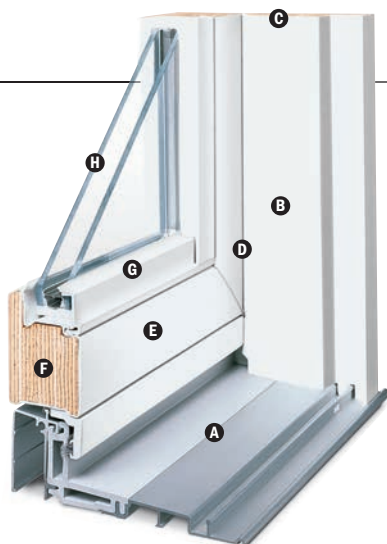
E All panel surfaces are covered with a rigid vinyl which maintains an attractive appearance while minimizing maintenance.

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 high-performing thermoplastic glazing bead features a flexible lip which provides superior weathertightness and long-term durability.

H Glass options include:

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

Additional glass options are available. Contact your Andersen supplier.

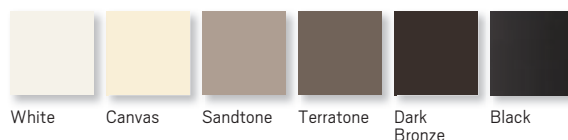
A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

Blinds Between the Glass



Blinds Between the Glass are now available for select gliding patio door sizes when ordered with Low-E tempered glass. White ½" (13) aluminum slat blinds come mounted between two panes of insulated glass in a dust-free environment. Blinds are magnetically controlled and can be tilted or raised and lowered using low profile controls. Smooth, simple operation allows for customized light and privacy control. Available in 51168, 61611 and 33611 door sizes. For more information contact your Andersen supplier.**

EXTERIOR & INTERIOR



HARDWARE FINISHES



Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.

GLIDING PATIO DOOR HARDWARE OPTIONS† Bold name denotes finish shown.



YUMA®

Distressed Bronze
Distressed Nickel



ENCINO®

Distressed Bronze
Distressed Nickel



ANVERS®

Bright Brass
Oil Rubbed Bronze
Satin Nickel



NEWBURY®

Antique Brass
Bright Brass
Brushed Chrome
Oil Rubbed Bronze
Polished Chrome
Satin Nickel



COVINGTON™

Antique Brass
Bright Brass
Oil Rubbed Bronze



WHITMORE®

Antique Brass
Bright Brass
Oil Rubbed Bronze
Satin Nickel



ALBANY

Black
Gold Dust
Stone
White



TRIBECA®

Stone
White

* Visit andersenwindows.com/warranty or see your Andersen supplier for details on the 200 Series Limited Warranty.

** See your Andersen supplier for details on the 200 Series Limited Warranty (after October 2015).

† Hardware sold separately.

Dimensions in parentheses are in millimeters.

Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

Tribece 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.

Locking System

Reachout Locking Hardware



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

StormWATCH[®] PROTECTION

Select Perma-Shield® gliding patio door sizes are available with Stormwatch® protection. For more information contact your Andersen supplier.

Performance Grade (PG) Upgrade

Heavy-duty rollers and reinforced frame and panel components allow standard glass units to achieve higher performance ratings. Performance Grade (PG) Ratings replace Design Pressure (DP) Ratings for measuring product performance. For up-to-date performance information of individual products please visit andersenwindows.com.

ACCESSORIES Sold Separately

Frame

Extension Jambs

Standard jamb depth is 4 9/16" (116). Pine, oak or maple veneer or prefinished White interior extension jambs are available in 1/16" (1.5) increments between 4 9/16" (114) and 7 1/8" (181).

Threshold



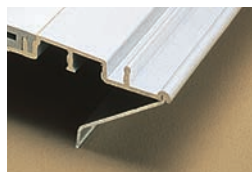
An oak or maple threshold is available for finishing the interior of the sill.

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 in styles and finishes that coordinate with hardware. This lock allows the gliding door to be locked and unlocked from the exterior.

Auxiliary Foot Lock

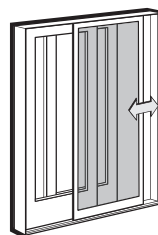


Provides an extra measure of security when the door is in a locked position. Lock can be set so the door is fully closed or partially open to provide a secure venting position. Available in all hardware finishes.

Insect Screens

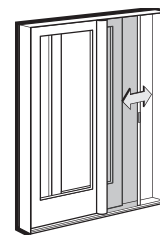
All insect screens have a long-lasting* fiberglass screen mesh with a charcoal finish and are color matched to the exterior of the door unless otherwise specified.

Gliding Insect Screen



Patented square corner joint construction adds considerable strength to the frame members. The insect screen is available for both two-panel doors and four-panel doors. Gliding insect screens have Delrin® injection-molded bottom rollers with self-contained leveling adjusters, providing 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 canister is available for two-panel patio doors in White, Canvas, Sandtone, Terratone, Dark Bronze and Black colors. Please note, retractable insect screen track reduces clear opening height by 1" (25).

Grilles

Grilles are available in a variety of configurations and widths. For patio door grille patterns see page 245.

Sidelights

Stationary units can also be selected for use as sidelights. See size table on page 244 for size options.

Exterior Trim

This product is available with Andersen® Exterior Trim. See pages 215-220 for details.

CAUTION:

- Painting and staining may cause damage to rigid vinyl.
- 200 Series doors in Terratone color may be painted any color lighter than Terratone color using quality oil-base or latex paint. Submit color samples to Andersen for approval when painting Terratone any color darker than Terratone.
- Do not paint 200 Series doors with White, Canvas, Sandtone, Dark Bronze or Black exterior colors.
- 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 or performance of homeowner-applied paint over vinyl or other factory-coated surfaces.

For more information about **glass and grilles** see pages 10-11.

For more information about **combination designs, product performance, installation accessories and warranty** see pages 255-291 or visit

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the 200 Series Limited Warranty.

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

Dimensions in parentheses are in millimeters.

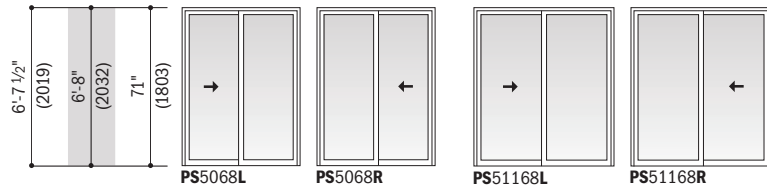
*Delrin® is a registered trademark of E.I. du Pont de Nemours and Company.

PERMA-SHIELD® GLIDING PATIO DOORS

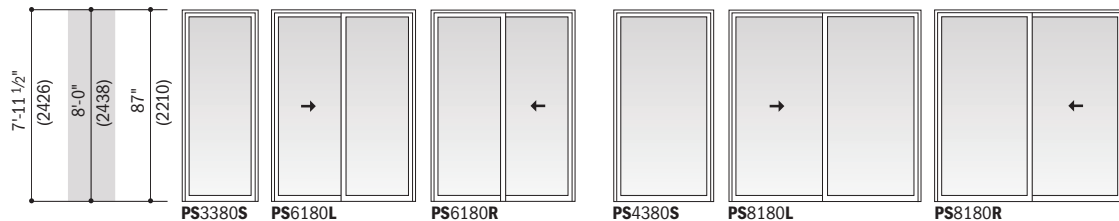
Table of Perma-Shield® Gliding Patio Door Sizes

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

Door Dimension	4'-11 1/4" (1505)	4'-11 1/4" (1505)	5'-10 1/2" (1791)	5'-10 1/2" (1791)
Minimum Rough Opening	5'-0" (1524)	5'-0" (1524)	5'-11 1/4" (1810)	5'-11 1/4" (1810)
Unobstructed Glass (single panel only)	24 3/4" (629)	24 3/4" (629)	30 3/8" (772)	30 3/8" (772)



Door Dimension	3'-2 3/8" (975)	6'-0" (1829)	6'-0" (1829)	4'-2 3/8" (1280)	8'-0" (2438)	8'-0" (2438)
Minimum Rough Opening	3'-3 1/8" (994)	6'-0 3/4" (1848)	6'-0 3/4" (1848)	4'-3 1/8" (1299)	8'-0 3/4" (2457)	8'-0 3/4" (2457)
Unobstructed Glass (single panel only)	31 1/8" (791)	31 1/8" (791)	31 1/8" (791)	43 1/8" (1095)	43 1/8" (1095)	43 1/8" (1095)

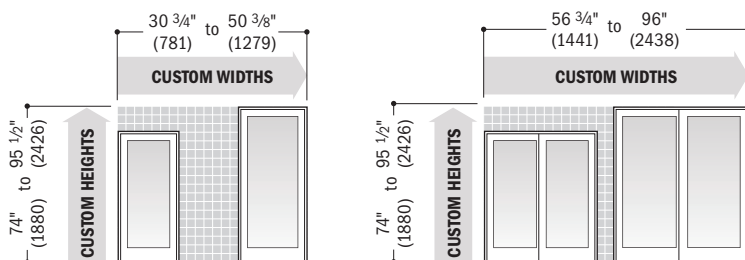


Custom-size doors are available in 1/8" (3) increments. See below for custom sizes and specifications.

Viewed from the exterior. Arrow indicates direction of panel operation. Stationary (S) doors can be used as an individual unit or as a sidelight. Grille patterns shown on page 245.

- "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 pages 288-289 for more details.
- Dimensions in parentheses are in millimeters.
- For doors with blinds between the glass, unobstructed glass width dimension is reduced.

Custom Sizes and Specification Formulas



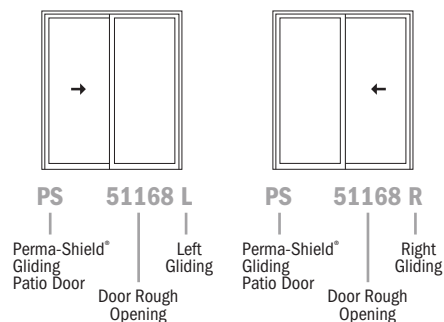
Available in 1/8" (3) increments between minimum and maximum widths and heights shown. Some restrictions apply. Measurement guide can be found at andersenwindows.com/measure.

Clear Opening	Two-Panel Width = (width + 2) - 7.5" (191) Height = height - 4.155" (106)	Minimum R.O. Width = width + 3/4" (19) Height = height + 1/2" (13)	Unobstr. Glass	Single-Panel Width = width - 7.25" (184) Height = height - 8.562" (217) Two-Panel Width = width - 9.75" (248) Height = height - 8.562" (217)
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- Dimensions in parentheses are in millimeters.
- **Clear Opening** formulas provide dimensions for determining area available for egress. Vent opening, or area available for passage of air, is equal to clear opening. **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobstr. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

Order Designation Description

Viewed from the exterior.



Two-Panel Perma-Shield® Gliding Patio Door Opening and Area Specifications

Door Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Overall Door Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Height Inches/(mm)			
PS5068	11.64 (1.08)	22 1/8" (562)	75 3/4" (1924)	24.90 (2.31)	11.64 (1.08)	32.71 (3.04)
PS51168	14.60 (1.36)	27 3/4" (705)	75 3/4" (1924)	30.40 (2.82)	14.60 (1.36)	38.92 (3.62)
PS61611	15.56 (1.45)	28 1/2" (724)	78 5/8" (1997)	32.40 (3.01)	15.56 (1.45)	41.19 (3.83)
PS81611	22.11 (2.05)	40 1/2" (1029)	78 5/8" (1997)	44.20 (4.11)	22.11 (2.05)	54.92 (5.10)
PS6180	18.16 (1.69)	28 1/2" (724)	91 3/4" (2330)	37.60 (3.49)	18.16 (1.69)	47.75 (4.44)
PS8180	25.80 (2.40)	40 1/2" (1029)	91 3/4" (2330)	52.10 (4.84)	25.80 (2.40)	63.67 (5.92)

• Dimensions in parentheses are in millimeters or square meters.

Stationary Perma-Shield® Gliding Patio Door Area Specifications

Door Number	Glass Area Sq. Ft./ (m ²)	Overall Door Area Sq. Ft./ (m ²)
PS33611	16.00 (1.49)	21.95 (2.04)
PS43611	22.10 (2.05)	28.82 (2.68)

• Dimensions in parentheses are in square meters.

Grille Patterns

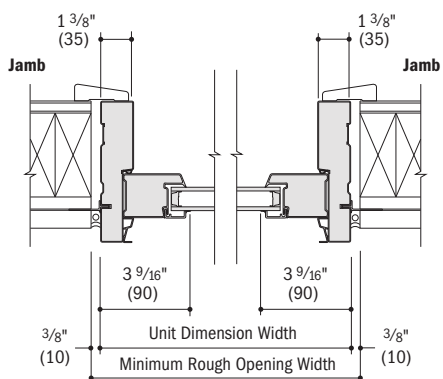
	Prairie A	Colonial	Modified Colonial	Modified Colonial SCR (Simulated Check Rail)	Tall Fractional	Tall Fractional SCR (Simulated Check Rail)	Short Fractional	Short Fractional SCR (Simulated Check Rail)
Perma-Shield® Gliding Patio Doors								

Number of lights and overall pattern varies with panel size.

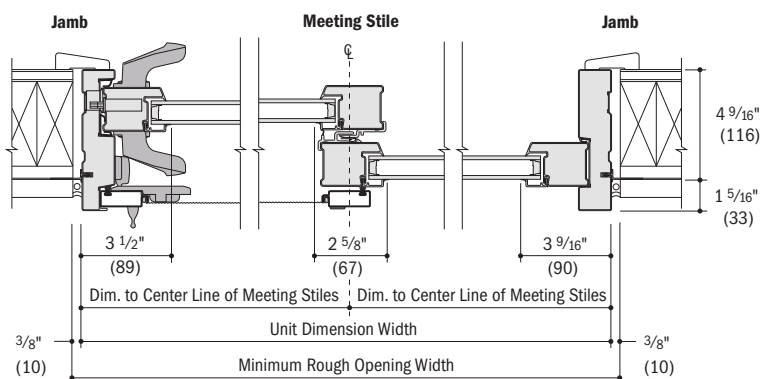
Patterns are not available in all configurations. For more information on divided light see page 11 or visit andersenwindows.com/grilles.

Perma-Shield® Gliding Patio Door Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section
Stationary



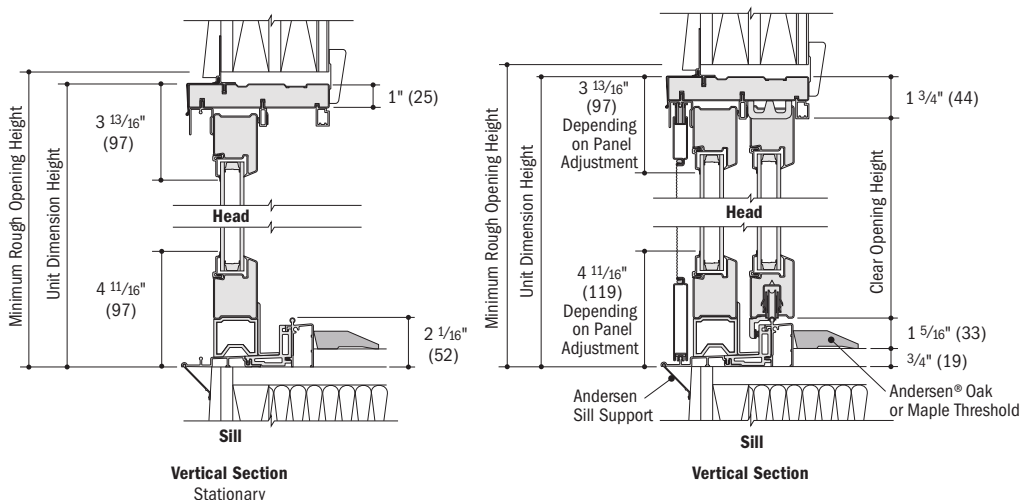
Horizontal Section
Two-Panel

- 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 pages 288-289.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

PERMA-SHIELD® GLIDING PATIO DOORS

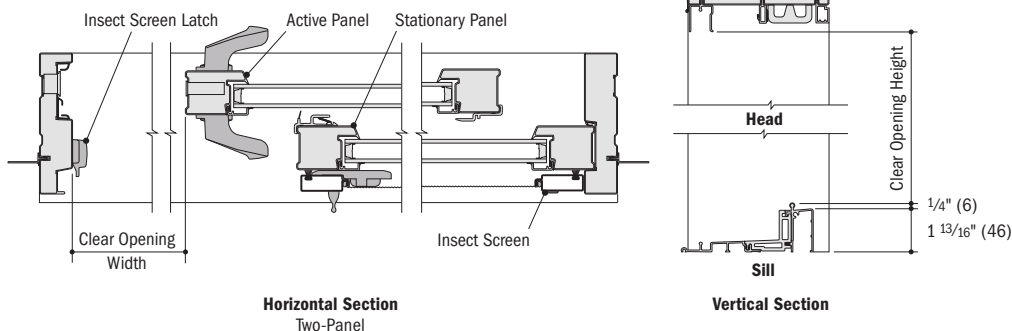
Perma-Shield® Gliding Patio Door Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



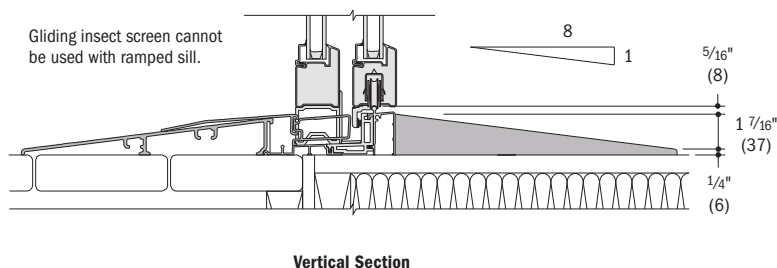
Clear Opening Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Ramped Sill Detail

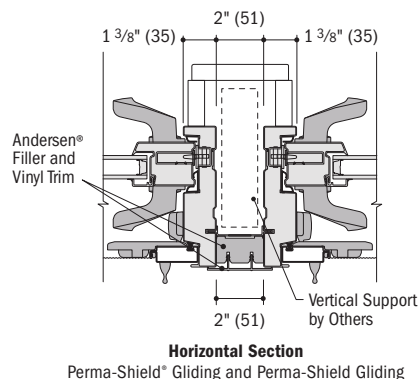
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Separate Rough Openings Detail

Scale 1 1/2" (38) = 1'-0" (305) – 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.



Vertical Joining Detail

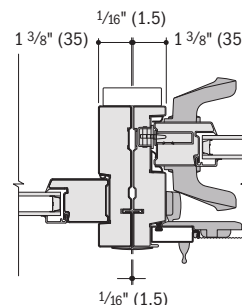
Scale 1 1/2" (38) = 1'-0" (305) – 1:8

Overall Door Dimension Width

Sum of individual door widths plus 1/16" (1.5) for each join.

Overall Rough Opening Width

Overall door width plus 3/4" (19).



Horizontal Section

Perma-Shield® Gliding to Perma-Shield® Gliding

Vertical Joining Detail – LVL

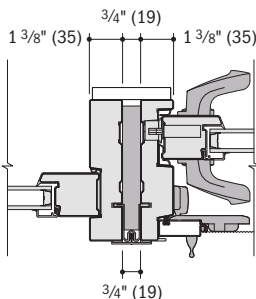
Scale 1 1/2" (38) = 1'-0" (305) – 1:8

Overall Door Dimension Width

Sum of individual door widths plus 3/4" (19) for each join.

Overall Rough Opening Width

Overall door width plus 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 designs section starting on page 255.

- 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 pages 288-289.
- 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.
- Dimensions in parentheses are in millimeters.