IMPORTANT: READ THIS MANUAL THOROUGHLY BEFORE BEGINNING INSTALLATION

THE ASSEMBLY DETAILS FOUND IN THIS PACKAGE ARE GENERIC AND ARE FOR REPRESENTATION ONLY WITH THE INTENT OF GIVING THE ASSEMBLY TEAM A VISUAL REPRESENTATION AS TO HOW THE ASSEMBLIES TYPICALLY ASSEMBLE. THE SHOP SUBMISSION DRAWINGS AND DETAILS ARE THE GOVERNING DOCUMENTS AND AS SUCH THIS PACKAGE IS TO BE USED ONLY AS A RESOURCE.

FOLLOW SEALANT MANUFACTURER'S RECOMMENDATIONS FOR USE AND APPLICATION OF WEATHER SEAL SILICONE SEALANT.

NOTE: CUSTOMER / PROJECT QUALITY ASSURANCE PROCEDURES ARE SEPARATE DOCUMENTS AND ARE TO BE FOLLOWED IN CONJUNCTION WITH THIS MANUAL.

GENERAL INFORMATION

PRODUCT USE

The PDR-225 Window Wall system is intended for assembly and installation by glazing professionals with appropriate experience. Subcontractors must be qualified to provide field instruction and project management.

Oldcastle BuildingEnvelope® does not control the application of its product configurations, sealant, or glazing material and assumes no responsibility for the application. It is the responsibility of the owner, architect, and installer to make these selections in strict compliance with applicable laws and building codes.

The air and water performance of the PDR-225 Window Wall is directly related to the completeness and integrity of the assembly and installation process of the seal installed at the horizontal to vertical connections and at the interior side of the glass.

Variations on details shown may occur, but are not the responsibility of Oldcastle BuildingEnvelope®.

PROTECTION AND STORAGE

Handle all material carefully. Do not drop from the truck. Stack with adequate separation so the material will not rub together. Store material off the ground, protecting against the elements and other construction hazards by using a well ventilated covering. Remove material from package if wet or located in a damp area. For further guidelines consult AAMA publication "Care and Handling of Architectural Aluminum from Shop to Site”.

CHECK MATERIAL

Check glass dimensions for overall size as well as thickness. Oldcastle BuildingEnvelope® cannot be held responsible for gaskets that are not water tight due to extreme glass tolerances. The PDR-225 system is designed to accommodate glass or panels measuring 1" in thickness (+/- 1/32").

Check all materials upon arrival at job site for quality and to determine any shipping damage. Using the contract documents, completely check the surrounding conditions that will receive your materials. Notify the general contractor by letter of any discrepancies before proceeding with the work. Failure to do so constitutes acceptance of work by other trades.

Check shop drawings, installation instructions, architectural drawings and shipping lists to become familiar with the project. The shop drawings take precedence and include specific details for the project. The assembly and installation instructions are of a general nature and cover the most common conditions.
GENERAL INFORMATION (CONTINUED)

Due to varying job conditions, all sealant must be approved by the sealant manufacturer to ensure it will perform per conditions shown on the instructions and shop drawings. The sealant must be compatible with all surfaces in which adhesion is required, including other sealant surfaces. Use primers where directed by sealant manufacturer. Properly store sealant at the recommended temperatures and check sealant for expiration date and shelf life before using.

FIELD CONDITIONS

All material to be installed plumb, level, and true. Aluminum to be placed in direct contact with masonry or incompatible material should be isolated with a heavy coat of zinc rich, bituminous paint or non-metallic material unless otherwise specified. After sealant is set and a representative amount of the wall has been glazed (250 sq. ft. or more), perform a water hose test in accordance with AAMA 501.2. On large projects the hose test must be repeated during the glazing operation. Review anchors or embeds in structure as early as possible to confirm that 'as built' building structure can accommodate anticipated anchor tolerances.

CLEANING MATERIALS

Cement, plaster terrazzo, alkaline, and acid based materials used to clean masonry are very harmful to finishes. Any residue should be removed with water and mild soap immediately or permanent staining will occur. A spot test is recommended before any cleaning agent is used. Refer to the architectural finish guide in the detail catalogue.

EXPANSION JOINTS

Expansion joints and perimeter joints shown in these instructions and in the shop drawings are shown at nominal size. Actual dimensions may vary due to perimeter conditions and/or differences in metal temperature between the time of fabrication and the time of assembly/installation. For example, a 12' unrestrained length of aluminum can expand or contract 3/32" over a temperature change of 50 degrees F. Any movement potential should be accounted for at the time of fabrication, assembly, and installation.
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FABRICATION
Measuring and Cutting Material
Measure ROUGH OPENING to determine FRAME WIDTH and FRAME HEIGHT dimensions. Allow 1/2" (12.5 mm) minimum clearance at Head and Sill Cans and 3/4" (19 mm) minimum clearance at Jambs for shimming and caulking around perimeter frame. Cut material to size per dimensions given below:

Frame Members
Head and Sill Can: Net Frame plus 1-1/2" (38 mm)
Jamb, Vertical Mullion and Filler: Frame Height [Net Frame Dimension minus 1-7/8" (48 mm)]
Head, Sill and Horizontal: Daylight Opening (D.L.O.)
Glazing Beads: Daylight Opening (D.L.O.) - 1/16"

Gaskets
Horizontal Gaskets:
D.L.O. plus an additional 1/4" (6 mm) every Foot
Vertical Gaskets:
D.L.O. plus 1" (25 mm) plus an additional 1/4" (6 mm) every Foot

NOTE: Unless otherwise noted, the details in this manual reflect 1" (25 mm) glazing and are representative of typical non-corner conditions.

NOTE: Glass Bite is 7/16" (11 mm) Typ.

NOTE: FWW-505 Head and FWW-508 Sill Cans shown. FWW-513 Head and FWW-514 Sill Cans similar.
HEAD AND SILL CAN FABRICATION

Splice Placement

Head and Sill Can Face View

NOTE: FWW-505 Head Can and FWW-508 Sill Can Shown. FWW-513 and FWW-514 similar.

Fastener Hole Placement

Sill Can Top View (Head Can Similar)

NOTE: Dimensions are shown for reference only. Anchor bolt size and frequency determined per project by structural engineering. Refer to your Shop Drawings.
HEAD AND SILL CAN FABRICATION (CONTINUED)

Weep Hole Placement

Head Can Anchor and Weep Hole Spacing

Head Can Top View

Head Anchor Spacing

Front View with Panels

Sill Can Anchor and Weep Hole Spacing

Sill Can Top View

NOTE: FWW-505 Head and FWW-508 Sill Cans shown. FWW-513 Head and FWW-514 Sill Cans similar.
NOTE: FWW-500 Heavy Vertical Mullion requires Access Holes through internal web in addition to Mounting Holes.

NOTE: FWW-515 Vertical Mullion shown in this manual. FWW-500 Heavy Vertical Mullion similar.
NOTE: FWW-500 Heavy Vertical Mullion requires Access Holes through internal web in addition to Mounting Holes.

FWW-511-02 Head Anchor

FWW-500 Heavy Vertical Mullion

FWW-501 Filler

FWW-515 Vertical Mullion

FWW-509 Head

FWW-509 Head (Outside Glazed)

FWW-500 Intermediate Horizontal (Outside Glazed)

FWW-512 Sill

NOTE: FWW-515 Vertical Mullion shown in this manual. FWW-500 Heavy Vertical Mullion similar.

Align Drill Jig to Back of Vertical Use Holes “D”

.257” Diameter Hole (“F” Drill Bit)

Align Drill Jig to Glazing Pocket Use Holes “B”

.257” Diameter Hole (“F” Drill Bit)

Align Drill Jig to Glazing Pocket Use Holes “A”

.257” Diameter Hole (“F” Drill Bit)
**HEAD AND SILL CAN INSTALLATION**

**HEAD AND SILL CAN END CAP INSTALLATION**

1. Apply Silicone Sealant to ends of Sill and Head Cans.
2. Attach End Caps with **FS-320** Drive Pins.
3. Seal and tool joint and seal over Drive Pin threads and heads at Head and Sill Cans. NOTE: Sill Can shown. Head Can similar.

**NOTE:** Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.
SILL CAN INSTALLATION

1. Anchor Sill Can per Project Specific Requirements.
   
   NOTE: Refer to Shop Drawings for fastener size and frequency.
   
   Temporarily shim between Sill Can End Cap and Wall. Remove before sealing perimeter.
   
   NOTE: Shims supplied by others.

2. Seal over Fastener Heads and Holes.
   
   Sealant

3. Center HP-1004 Baffle at Weep Holes.
   
   HP-1004 Baffle

   5/16" (3 mm) Weep Hole

   EXTERIOR

   NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.

   Ensure Sill Can is level. Do Not tilt towards interior.

   NOTE: Shims supplied by others.

   NOTE: Refer to Shop Drawings for Anchor Bolt Embed Depth.

   NOTE: FWW-508 Sill Can shown. FWW-514 Sill Can similar.
HEAD CAN INSTALLATION

1. Install Head Can above Sill Can. Anchor Head Can per Project Specific Requirements. Refer to Shop Drawings for fastener size and frequency.

2. Center HP-1004 Baffle at Weep Holes and hold in place with SPW-295 Baffle Retainer.


NOTE: At Head Can Splice, extend GP-493 Gasket into adjoining Can minimum of 3” (76 mm).

Temporarily shim between Head Can End Cap and Wall. Remove before sealing perimeter.

NOTE: FWW-505 Head and FWW-508 Sill Cans shown. FWW-513 Head and FWW-514 Sill Cans similar.
HEAD CAN SPLICE INSTALLATION

1. Apply bed of sealant to each side of Splice.

2. Place UW-466 Silicone Sheet in sealant. Apply even pressure and smooth into Head Can.


4. Install GP-493 Exterior Gasket full length of Can prior to installing Bays. (See Page 20).

NOTE: At Head Can Splice, extend GP-493 Gasket into adjoining Can minimum of 3" (76 mm).

5. Apply bed of sealant to each side of Splice on top face of Head Cans and install another UW-466 Silicone Sheet.

6. Seal and tool over the Silicone Sheet.

7. After Bays are installed, tie splice into Perimeter Seal. (See Page 22)

NOTE: FWW-505 Head Can shown. FWW-513 Head Can similar.

NOTE: Size Splice Joint To Meet Project Specific Thermal Requirements. Refer to Shop Drawings.
SILL CAN SPLICE INSTALLATION

1. Apply bed of sealant to each side of Splice.
2. Cut UW-466 Silicone Sheet into two pieces. Place each section in sealant and apply even pressure to smooth into Sill Can.
4. After Bays are installed, tie Splice into Perimeter Seal (See Page 22).

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

NOTE: Size Splice Joint To Meet Project Specific Thermal Requirements. Refer to Shop Drawings.

NOTE: Interior Perimeter Seal is Optional. Seal and tool Gap at interior as part of Perimeter Sealing.

NOTE: FWW-508 Sill Can shown. FWW-514 Sill Can similar.
Seal ends of Horizontal Members and where they meet Verticals as shown. Assemble using **FS-8** Fasteners.

**NOTE:** Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.

**INSIDE GLAZED**

**NOTE:** All assembly work must be completed immediately after sealant application, before sealant skins.
PANEL ASSEMBLY: OUTSIDE GLAZED

Seal ends of Horizontal Members and where they meet Verticals as shown.
Assemble using **FS-8** Fasteners.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.

OUTSIDE GLAZED

NOTE: All assembly work must be completed immediately after sealant application, before sealant skins.
PANEL INSTALLATION

Preparation

For First and Last Panels Installed Next to Wall:
1. Seal full length of both sides of WW-341 Pocket Filler and snap into FWW-515 Vertical.
2. Seal 3" (76 mm) from bottom on both sides of FWW-501 Filler and snap into FWW-515 Vertical.

For All Panels:
3. Insert two FWW-511-02 Head Anchors into the Head of each Panel 1/8" (3 mm) from Verticals. Ensure access holes in Head align with mounting holes in Head Anchor.

NOTE: Last Panel is Mirror Image.

NOTE: Inside Glazed shown. Outside Glazed similar.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.
FIRST PANEL INSTALLATION

1. Run bead of sealant along exterior leg of Sill Can the length of First Panel.

2. Tilt Panel and lift into Head Can. Swing over Sill Can and lower into position. Position Panel 1" (25 mm) from wall.

3. 1" (25 mm) REF Gap from Wall

4. Use a 1" (25 mm) piece of FWW-100 Interior Trim to align and temporarily hold Panel in place.

5. Attach each Head Anchor to Head Can with (2) FS-327 Screws.

6. Secure Panel at Sill with FS-233 Screws. NOTE: Refer to Shop Drawings for location and frequency.

NOTE: Inside Glazed shown. Outside Glazed similar.

NOTE: Do not allow excess Sealant at Sill Can to cure. Clean off all excess Sealant so it does not interfere with sealing and installing the next Panel and/or prevent the Panel from seating properly.
SECOND PANEL INSTALLATION

1. Run bead of Sealant at interior and exterior leg of **FWW-501** Filler on First Panel 3" (76 mm) from bottom.

2. Run bead of Sealant along exterior leg of Sill Can the length of Second Panel. NOTE: Before applying Sealant, clean any excess Sealant left on Sill Can after setting First Panel.

   **NOTE:** Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.

3. Tilt Second Panel and lift into Head Can. Swing over Sill Can and lower into position.

4. Slide over to First Panel until **FWW-501** Filler snaps into **FWW-515** Vertical.

5. Slide **FWW-100** Temporary Interior Trim from First to Second Panel to align and temporarily hold Panel in place.

6. Attach Head Anchors to Head Can with **FS-327** Screws and secure Second Panel at Sill with **FS-233** Screws as shown with First Panel.

   **NOTE:** Inside Glazed shown. Outside Glazed similar.

   **NOTE:** Do not allow excess Sealant at Sill Can to cure. Clean off all excess Sealant so it does not interfere with sealing and installing the next Panel and/or prevent the next Panel from seating properly.
LAST PANEL INSTALLATION

1. Run Sealant at interior and exterior leg of FWW-501 Filler on previous Panel 3” (76 mm) from bottom.

2. Run Sealant along exterior leg of Sill Can the length of Final Panel.

3. Tilt and lift Last Panel into Head Can. Swing over Sill Can and lower into position.

4. Slide to previous Panel so FWW-501 Filler snaps into FWW-515 Vertical.

5. Slide FWW-100 Temporary Interior Trim to Last Panel. Attach Head Anchors with FS-327 Screws and secure Last Panel at Sill with FS-233 Screws as shown with First Panel.

NOTE: Do not allow excess Sealant at Sill Can to cure. Clean off all excess Sealant so it does not interfere with sealing and installing the next Panel and/or prevent the next Panel from seating properly.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.

NOTE: Seal Fillers for Last Panel as shown on First Panel on Page 17.

NOTE: Maintain 1” (25 mm) REF Gap at Walls for Perimeter Seal.

NOTE: Inside Glazed shown. Outside Glazed similar.
HEAD CAN TRIM INSTALLATION

1. Slide FWW-100 Interior Trim into FWW-505 Head Can.

NOTE: 1” (25 mm) pieces of FWW-100 Interior Trim can be used as temporary clips during installation.

INTERIOR HEAD AND SILL CAN GASKET INSTALLATION

2. Install GP-490 Interior Wedge Gasket between FWW-100 Interior Trim and Panel at Head and between FWW-508 Sill Can and Panel at Sill. NOTE: Gaskets span through splices minimum of 3” (76 mm).

3. Seal and tool over GP-490 Gasket at Sill.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.
PERIMETER SEALING

1. Install Backer Rod and seal interior and exterior perimeter at Head and Sill Cans.

NOTE: Interior Perimeter Seal is optional, for cosmetic purposes. Exterior Perimeter Seal is required.

2. A. Install Backer Rod at Head and Sill Cans between End Dam and First and Last Panels.
   B. Apply and tool Sealant.

3. A. Install Backer Rod between wall and First and Last Panels at interior and exterior.
   B. Apply and tool Sealant.

NOTE: Tie sealant into Perimeter Seal at spliced joints.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.
SLAB EDGE COVER INSTALLATION

1. Set RWW-102 Slab Edge Cover with GP-32007 Gaskets onto FWW-505 Head Can.
   NOTE: Ensure HP-1004 Weep Hole Baffle and SPW-295 Baffle Retainer are in place before installing RWW-102 Slab Edge Cover.

2. Slide ICR-1167 Fascia Retainer into FWW-508 Sill Can and rotate so RWW-102 Slab Edge Cover rests between legs.

3. Secure Retainer on Sill Can with #10 x 3/4” PFHD Screws spaced 18” (457 mm) O.C. Typ.

4. Apply Sealant to RWW-FP-05 Slab Edge Cover Support and install at each end.

5. Apply Sealant to each end and install RWW-FP-06 Slab Edge Cover End Cap.

NOTE: Inside Glazed shown. Outside Glazed similar.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.
**Slab Edge Cover Splice Installation**

1. Center Bond Breaker Tape on **RWW-FP-04** Slab Edge Cover Splice.
2. Apply Sealant to half of Slab Cover Splice and install on end of **RWW-102** Slab Cover. Install Slab Cover as shown on Page 22.
3. Apply Sealant to other half of Slab Cover Splice and install next **RWW-102** Slab Cover.
4. Seal and tool joint as part of Perimeter Seal.

**Fascia Retainer Splice Installation**

5. Notch inside leg of **IRC-1167** Fascia Retainer 1” (25 mm) next to each splice.
6. Center Bond Breaker Tape on top side of **RWW-FP-03** Fascia Retainer Splice.
7. Apply Sealant to half of Fascia Retainer Splice and install on end of **IRC-1167** Fascia Retainer. Install Fascia Retainer as shown on Page 23.
8. Apply Sealant to other half of Fascia Retainer Splice and install next **IRC-1167** Fascia Retainer.
9. Seal and tool joint as part of Perimeter Seal.

**Recommended Splice Location**

Recommended Fascia Splice Location when Setting Units Left to Right

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**NOTE:** Bond Breaker Tape must be compatible with Sealant.

**NOTE:** Size Splice Joint To Meet Project Specific Thermal Requirements. Refer to Shop Drawings.

**NOTE:** Inside Glazed shown. Outside Glazed similar.
GLAZING GUIDELINES
Prepare Gaskets

Remove Gaskets from roll and allow to relax overnight.
Cut Gaskets 1/4" (6 mm) longer per Foot. Vertical gaskets run through.
Horizontal Gaskets are mitered at corners and sealed to Vertical Gaskets during installation.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.

NOTE: Clean glazing reglets of debris before glazing to prevent blockage of weeps or drains.

NOTE: FWW-505 Head and FWW-508 Sill Cans shown. FWW-513 Head and FWW-514 Sill Cans similar.
INSTALL SETTING CHAIRS WITH SETTING BLOCKS AT QUARTER POINTS. (SEE SHOP DRAWINGS.)

Install GP-113 WEDGE GASKETS AT INTERIOR USING THE SAME PROCEDURE AS STEPS 2 AND 3 ABOVE.

SNAP IN FWW-503 GLAZING BEAD.

SET GLASS INTO DEEP POCKET.

SLIDE GLASS INTO SHALLOW POCKET.

LIFT GLASS INTO UPPER GLAZING POCKET AND LOWER ONTO SETTING BLOCKS.

PUSH GLASS TIGHT AGAINST EXTERIOR GASKETS.

INSTALL EXTERIOR VERTICAL GASKET AND THEN EXTERIOR HORIZONTAL GASKET.

SEAL EXTERIOR GLAZING REGLETS AT CORNER.

BEGIN AT FWW-512 SILL TO GLAZE BOTTOM LITE.

SEE PAGE 25 FOR GASKET PREPARATION.

NOTE: HEAD AND SILL CANS NOT SHOWN FOR CLARITY.

1. SEAL EXTERIOR GLAZING REGLETS AT CORNER.

2. INSTALL EXTERIOR VERTICAL GASKET AND THEN EXTERIOR HORIZONTAL GASKET.

3. SEAL GASKETS AT CORNER, 2" (51 mm) IN EACH DIRECTION.

4. INSTALL SETTING CHAIRS WITH SETTING BLOCKS AT QUARTER POINTS. (SEE SHOP DRAWINGS.)

5. SET GLASS INTO DEEP POCKET.

6. SWING GLASS TO PLANE.

7. SLIDE GLASS INTO SHALLOW POCKET.

8. LIFT GLASS INTO UPPER GLAZING POCKET AND LOWER ONTO SETTING BLOCKS.

9. PUSH GLASS TIGHT AGAINST EXTERIOR GASKETS.

10. SNAP IN FWW-503 GLAZING BEAD.

11. INSTALL GP-113 WEDGE GASKETS AT INTERIOR USING THE SAME PROCEDURE AS STEPS 2 AND 3 ABOVE.
INSIDE GLAZED INSTALLATION (CONTINUED)

Water Diverter Placement

NOTE: Water Diverters are used at Intermediate Horizontals Only. Install after lower glass is set. Do not block Vertical Glazing Pocket.

12 Embed **FWW-104-01** Water Diverter in Sealant on both ends of **FWW-506** Intermediate Horizontal.

13 Seal around edges of Water Diverter.

14 Repeat Steps 1 through 11 to install Top Lite.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.

NOTE: Water Diverters are used at Intermediate Horizontals Only. Install after lower glass is set. Do not block Vertical Glazing Pocket.

NOTE: Position Water Diverter well away from Vertical Glazing Pocket.

NOTE: Lower Glass Set Before Installing Diverter.

NOTE: Critical Seal

NOTE: Last Inside Glazed Panel shown without Filler. Head and Sill Cans not shown for clarity.
OUTSIDE GLAZED INSTALLATION

Begin at FWW-512 Sill to glaze Bottom Lite. See Page 25 for Gasket Preparation.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.

NOTE: Head and Sill Cans not shown for clarity.

1. Seal Interior Glazing Reglets at corner.
2. Install Interior Vertical Gasket and then Interior Horizontal Gasket.
3. Seal Gaskets at corner, 2” (51 mm) in each direction.
4. Install Setting Chairs with Setting Blocks at quarter points. (See Shop Drawings.)
5. Set Glass into Deep Pocket.
6. Swing Glass to plane.
7. Slide Glass into Shallow Pocket.
8. Lift Glass into Upper Glazing Pocket and lower onto Setting Blocks.
10. Install FWW-102 Glazing Bead. NOTE: Temporarily hold in place with 1” (25 mm) piece of GP-113 Gasket at each end.
11. Install GP-113 Wedge Gaskets at interior using the same procedure as Steps 2 and 3 above.
OUTSIDE GLAZED INSTALLATION (CONTINUED)

Water Diverter Placement

NOTE: Water Divers are used at Intermediate Horizontals Only. Install after lower glass is set. Do not block Vertical Glazing Pocket.

12 Embed **FWW-104-01** Water Diverter in Sealant on both ends of **FWW-506** Intermediate Horizontal.

13 Seal around edges of Water Diverter.

14 Repeat Steps 1 through 12 to install Top Lite.

15 Snap **FWW-501** Filler into Head.

NOTE: Last Outside Glazed Panel shown without Filler. Head and Sill Cans not shown for clarity.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.

NOTE: Water Diverters are used at Intermediate Horizontals Only. Install after lower glass is set. Do not block Vertical Glazing Pocket.

NOTE: Position Water Diverter well away from Vertical Glazing Pocket.

NOTE: Position Water Diverter well away from Vertical Glazing Pocket.

NOTE: CRITICAL SEAL

NOTE: Lower Glass Set Before Installing Diverter.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.
EXPANSION MULLION INSTALLATION

Multiple units may require the use of an Expansion Mullion if the total width of the opening exceeds 24 feet (7.31 m). In these cases, locate Expansion Mullions no greater than 20 feet (6.10 m) on center.

Use with Opening Width Greater than 24 Ft. (7.31 m)

Locate 20 Ft. (6.10 m) MAX On Center

Splice sill can every 12 ft (3.66 m)
DO Not place under Expansion Mullions

1" (25 mm) REF
Gap Required at Wall

 Expansion Mullion

Male Mullion
Female Mullion

1-3/16" (30 mm)
Required for Installation

FWW-516  Expansion Mullion
Male

FWW-517  Expansion Mullion
Female

1" (25 mm) REF
Gap Required at Wall

FWW-516  FWW-517

1/4" (6 mm) Gap

1" (25 mm) REF
Gap Required at Wall
# CORNER OPTIONS

Follow fabrication and installation instructions for either Inside or Outside Glazed. Inside Glazed shown below. Reverse **GP-103** and **GP-113** Gaskets for Outside Glazed.

## 90 DEGREE OUTSIDE CORNER

**NOTE:** Inside Glazed shown. Reverse **GP-103** and **GP-113** Gaskets for Outside Glazed.

## 90 DEGREE INSIDE CORNER

**NOTE:** Inside Glazed shown. Reverse **GP-103** and **GP-113** Gaskets for Outside Glazed.

## 135 DEGREE OUTSIDE CORNER

**NOTE:** Inside Glazed shown. Reverse **GP-103** and **GP-113** Gaskets for Outside Glazed.

## 135 DEGREE INSIDE CORNER

**NOTE:** Inside Glazed shown. Reverse **GP-103** and **GP-113** Gaskets for Outside Glazed.

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**NOTE:** Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer’s Recommendations.
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