Modern Sliding Door

Site Preparation Instructions

ABSTRACT: The Modern Sliding Door system requires proper site preparation to ensure optimal performance and operation after installation. This instruction will provide the necessary information to properly prepare the wall opening for ease of installation and operational integrity.

Site preparation begins with preparing the opening for the specified sill system. The selected sill and substrate must offer the door system support, which spans the width and depth of the unit. The exterior of the sill must be completely supported. Several sill options are available for consideration. Regardless of sill type, the foundation must support the sill height variance requirement of 1/16" (2) maximum across the entire sill length.

In conjunction with the sill, the framing of the rough opening must be installed plumb, square, and true within 3/16"(5).

The English language version of this instruction is the official version and shall take precedence over any translation.

IMPORTANT

Unfactored superimposed load (Live, Wind, or Snow) deflection over the entire length of the unsupported span cannot be greater than 1/8" (3) after natural sag of the beam and permanent loads are in place.

NOTE: Numbers listed in parentheses () are metric equivalents in millimeters rounded to the nearest whole number.

IMPORTANT

The construction details shown within are not typical but are an example of various construction assemblies implementing the Modern Sliding Door and/or screen.

⚠WARNING!

Always practice safety! Wear the appropriate eye, ear, and hand protection, especially when working with power tools.

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Water Management System-Panning

We recommend a sill pan for all Modern sliding doors in accordance with ASTM E2112. A sill pan is installed across the bottom of the opening and integrated into the weather-resistive barrier (WRB). The illustrations below show the basic requirements. Modification may be needed depending on your Rough Opening and alternative field preparation. The table below is based on ASTM E2112.

Types of Pan Flashing Material		
Rigid Sheet	1 piece or multiple pieces	Type I
Rigid Sheet	Multiple pieces	Type II
Flexible Membrane	1 Piece or multiple pieces	Type III
Combination System	Multiple pieces	Type IV
Liquid Membrane	Continuous coating	Type V

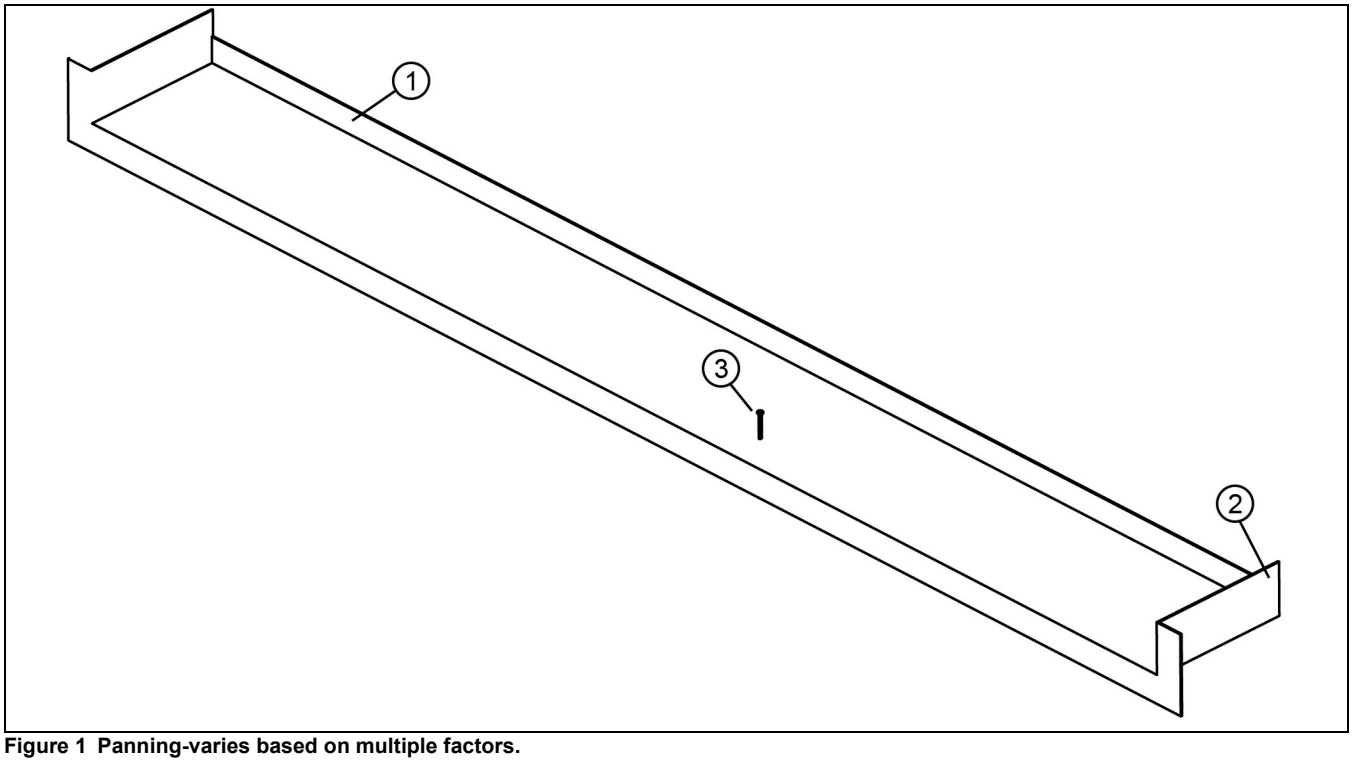

Figure 1 Panning-varies based on multiple factors.

1	Sill interior dam must be at least 1/2" in height
2	Side end dams must be at least 6" in height
3	Seal any fastener holes through panning.

Construction Details

The examples shown below are not typical, and wall construction will vary. Use these details for reference only.

Rough Opening

The rough opening should be constructed up to 1 1/2" (38) wider than the frame width and up to 3/4"(19) higher than the frame height.

Through Jamb Installation Hole Locations

Dimensions detail pre-drilled fastener holes in the door frame in relation to the exterior sheathing plane (back side of nail fin). Fasteners must penetrate at least 1 1/4" (32) into solid wood framing.

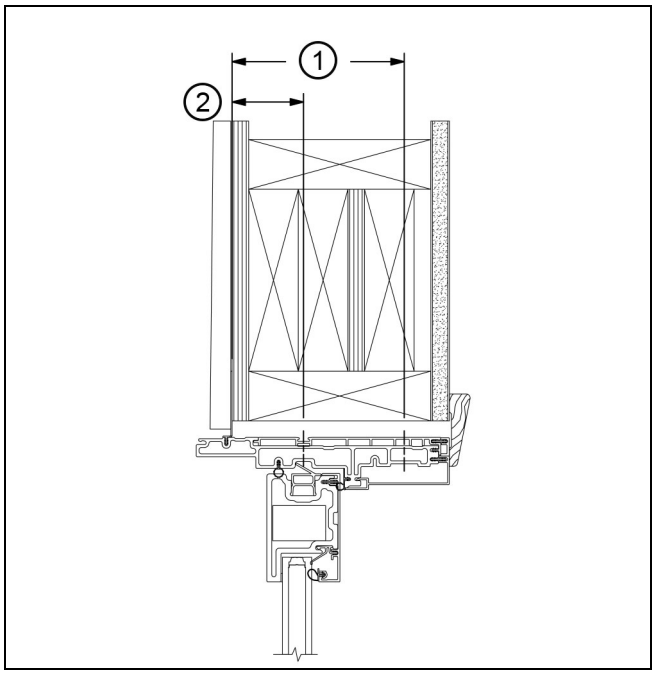

Figure 2 2x6 wood frame head jamb details

1	5 3/16" (132)
2	2 5/32" (55)

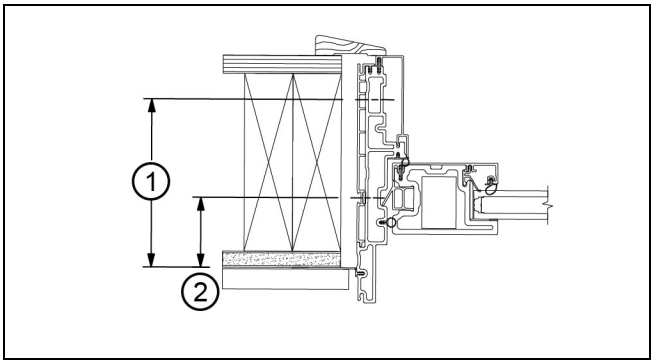

Figure 3 2x6 wood frame jamb details with OX LH shown

1	5 3/16" (132)
2	2 5/32" (55)

Sill Systems

Sill Support

The performance sill implements a Sill Support system that is installed prior to the door frame. The location of the sill support varies depending on your construction type.

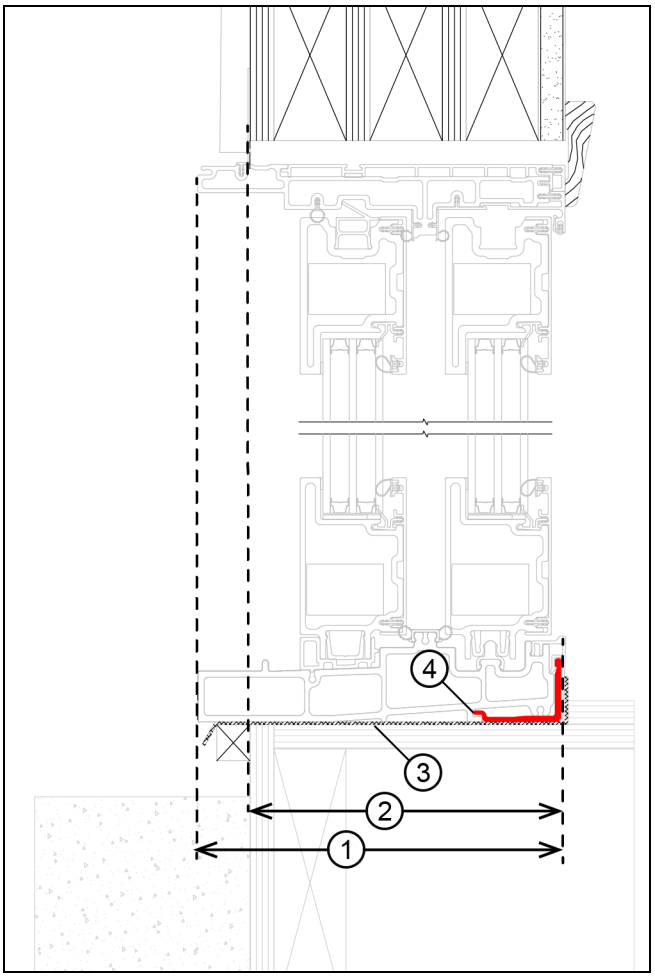

Figure 4

1	Frame exterior plane to sill support interior: 7 9/16"
2	Nailing fin plane to sill support interior: 6 15/32"
3	Panning
4	Sill Support

Performance Sill

This sill system requires a maximum of 1/16" (2) variance in height across the entire length of the sill. A laser level may be helpful in preparing the opening. The Performance sill is designed to meet a minimum of DP40 water testing but does NOT meet ADA height specifications.

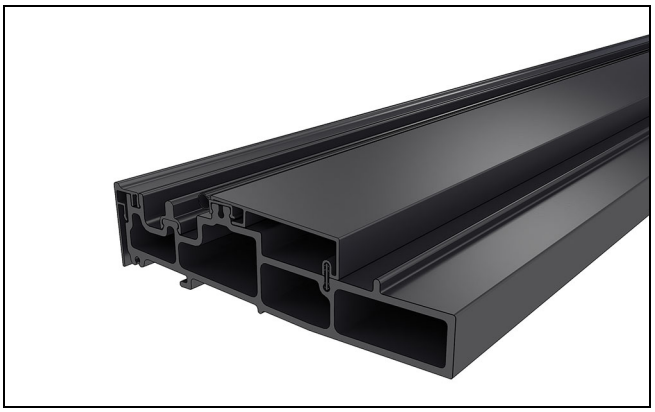

Figure 5

Weep Tube Options

A weep tube adapter is available for the Performance sills. A minimum of 4" drop is required. Without the weep tube, the standard offering is a weep door.

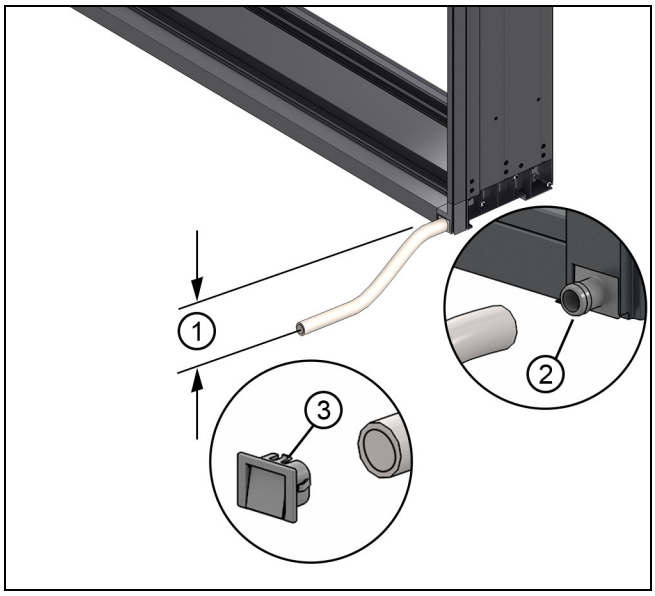

Figure 6 Weep tube must terminate at least 4" below sill.

1	4" (102)
2	Weep tube adapter
3	Weep door (fits on end of weep tube)

Figure 7 Weep tube terminating into drainage pipe

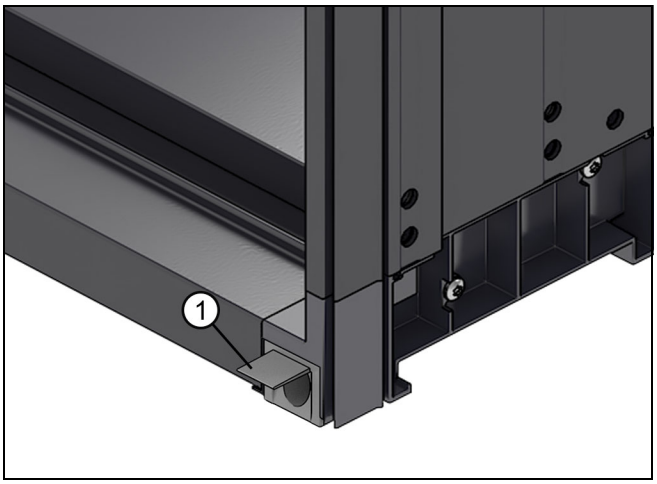

Figure 8 Weep door: do not block or seal to allow drainage.

1	Weep door