Revit® Content

Professional Revit Families

RC Patio Sliding Door 2.1

Manual

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RC Patio Sliding Door 2.1
List of Parameters

№	Parameters	Door Type	Page	Parameter Type
	Constraints			
1	Frame Corner Void Angle Flip Left	Single / Double	6,7	Yes/No - Type
2	Frame Corner Void Angle Flip Right	Single / Double	6,7	Yes/No - Type
3	Opening Lines	Single / Double	14	Yes/No - Type
4	Panel Count	Single / Double	8	Integer - Type
5	Panel Glazing Bar Count Horizontal	Single / Double	11	Integer - Type
6	Panel Glazing Bar Count Vertical	Single / Double	11	Integer - Type
7	Panel Glazing Bars Locked Bottom	Single / Double	11	Yes/No - Type
8	Panel Glazing Bars Locked Top	Single / Double	11	Yes/No - Type
9	Panels Interior	Single / Double	9	Yes/No - Type
	Dimensions			
10	Width	Single / Double	1	Length - Type
11	Height	Single / Double	1	Length - Type
12	Cavity Closer Depth	Single / Double	4	Length - Type
13	Cavity Closer Offset from Exterior	Single / Double	4	Length - Type
14	Cavity Closer Width	Single / Double	4	Length - Type
15	Frame Corner Void Angle Left	Single / Double	6,7	Angle -Type
16	Frame Corner Void Angle Right	Single / Double	6,7	Angle -Type
17	Frame Position from Center	Single / Double	5	Length - Type
18	Frame UnderCut	Single / Double	5	Length - Type
19	Frame Width Bottom	Single / Double	5	Length - Type
20	Frame Width Left	Single / Double	5	Length - Type
21	Frame Width Right	Single / Double	5	Length - Type
22	Frame Width Top	Single / Double	5	Length - Type
23	Opening Void Offset Exterior	Single / Double	1	Length - Type
24	Opening Void Offset Interior	Single / Double	1	Length - Type
25	Panel Frame Width Bottom	Single / Double	8	Length - Type
26	Panel Frame Width Sides	Single / Double	8	Length - Type
27	Panel Frame Width Top	Single / Double	8	Length - Type
28	Panel Fixed Width Offset	Single / Double	10	Length - Type
29	Panel Glass Thickness	Single / Double	8	Length - Type
30	Panel Glazing Bar Depth	Single / Double	11	Length - Type
31	Panel Glazing Bar Width	Single / Double	11	Length - Type
32	Panel Glazing Bars Total Height	Single / Double	11	Length - Type
33	Panel Overlap	Single / Double	10	Length - Type
34	Panel Opening Offset	Single / Double	10	Length - Type
35	Panel Start Inset	Single	10	Length - Type
36	Panel Spacing To Frame Top	Single / Double	10	Length - Type
37	Panel Spacing To Frame Bottom	Single / Double	10	Length - Type
38	Panel Spacing To Panel	Single / Double	10	Length - Type
39	Panel Spacing To Panel Between Sides	Double	10	Length - Type
40	Panel Thickness	Single / Double	8	Length - Type
41	Ramp Depth Exterior	Single / Double	12	Length - Type
42	Ramp Depth Interior	Single / Double	12	Length - Type
43	Render Offset Exterior Left	Single / Double	2	Length - Type
44	Render Offset Exterior Right	Single / Double	2	Length - Type
45	Render Offset Exterior Top	Single / Double	2	Length - Type
46	Render Offset Interior Left	Single / Double	2	Length - Type
47	Render Offset Interior Right	Single / Double	2	Length - Type
48	Render Offset Interior Top	Single / Double	2	Length - Type
49	Rough Distance Bottom	Single / Double	3	Length - Type
50	Rough Distance Left	Single / Double	3	Length - Type
51	Rough Distance Right	Single / Double	3	Length - Type
52	Rough Distance Top	Single / Double	3	Length - Type
53	Symbol Line Arrow Offset	Single / Double	13	Length - Type
54	Threshold Depth	Single / Double	12	Length - Type
55	Threshold Height	Single / Double	12	Length - Type
56	Threshold Slope Height	Single / Double	12	Length - Type
57	Threshold Slope Offset	Single / Double	12	Length - Type
58	Threshold & Ramp Offset Left	Single / Double	12	Length - Type
59	Threshold & Ramp Offset Right	Single / Double	13	Length - Type
	General			
60	Panel Opening %	Single / Double	9	Integer - Type
61	Panel Fixed Family<Doors>	Single / Double	9	Family Type - Type
62	Panel Openable Family<Doors>	Single / Double	9	Family Type - Type
	Visibility			
63	Cavity Closer Visibility Left	Single / Double	4	Yes/No - Type
64	Cavity Closer Visibility Right	Single / Double	4	Yes/No - Type
65	Cavity Closer Visibility Top	Single / Double	4	Yes/No - Type
66	Cavity Closer Visibility Bottom	Single / Double	4	Yes/No - Type
67	Ramp Visibility Exterior	Single / Double	12	Yes/No - Type
68	Ramp Visibility Interior	Single / Double	12	Yes/No - Type
69	Render Offset Visibility	Single / Double	2	Yes/No - Type
70	Rough Distance Visibility	Single / Double	3	Yes/No - Type
71	Threshold Visibility	Single / Double	12	Yes/No - Type
	Shared Parameters			
72	.Door Panel Thickness	Single / Double		Length - Type
73	.Frame Depth	Single / Double		Length - Type
74	.Glass Area With Glazing Bar	Single / Double	15	Area - Type
75	.Glass Area Without Glazing Bar	Single / Double	15	Area - Type
76	.Opening Area	Single / Double	15	Area - Type
77	.Panel Double Glazing	Single / Double		Yes/No - Type
78	.Rough Height	Single / Double		Length - Type
79	.Rough Width	Single / Double		Length - Type

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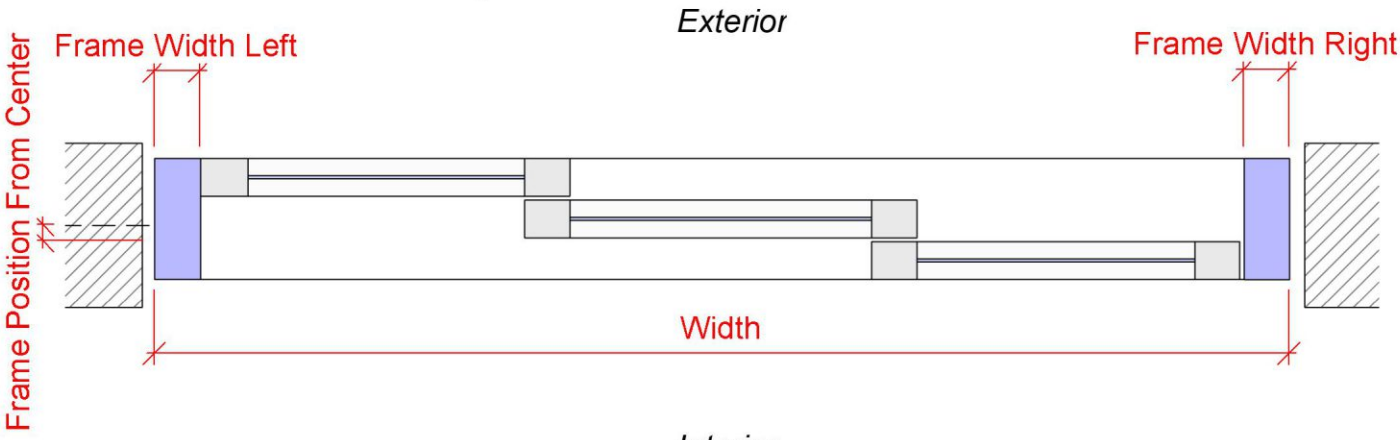

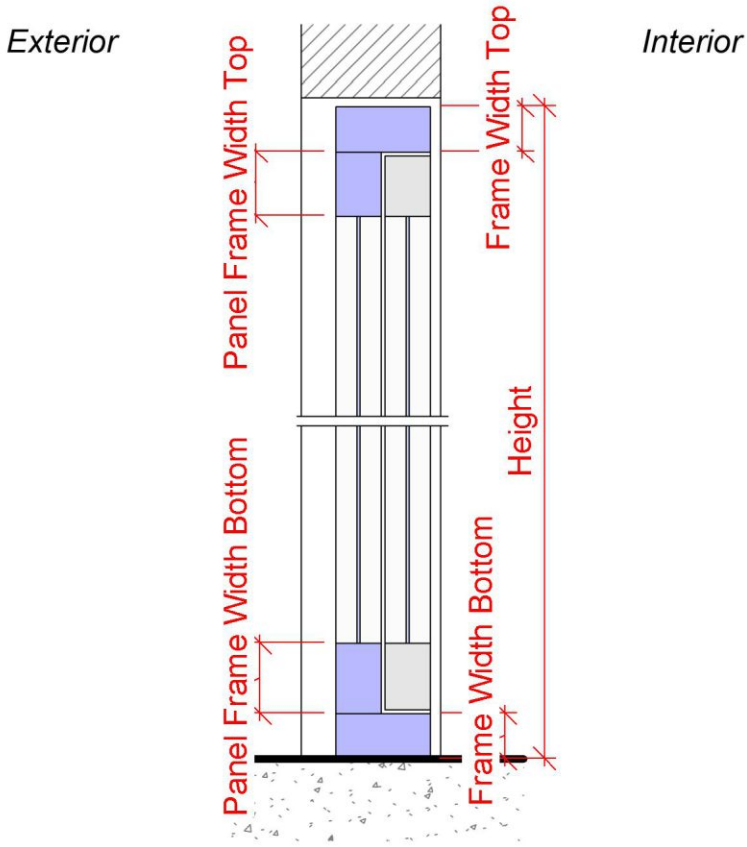

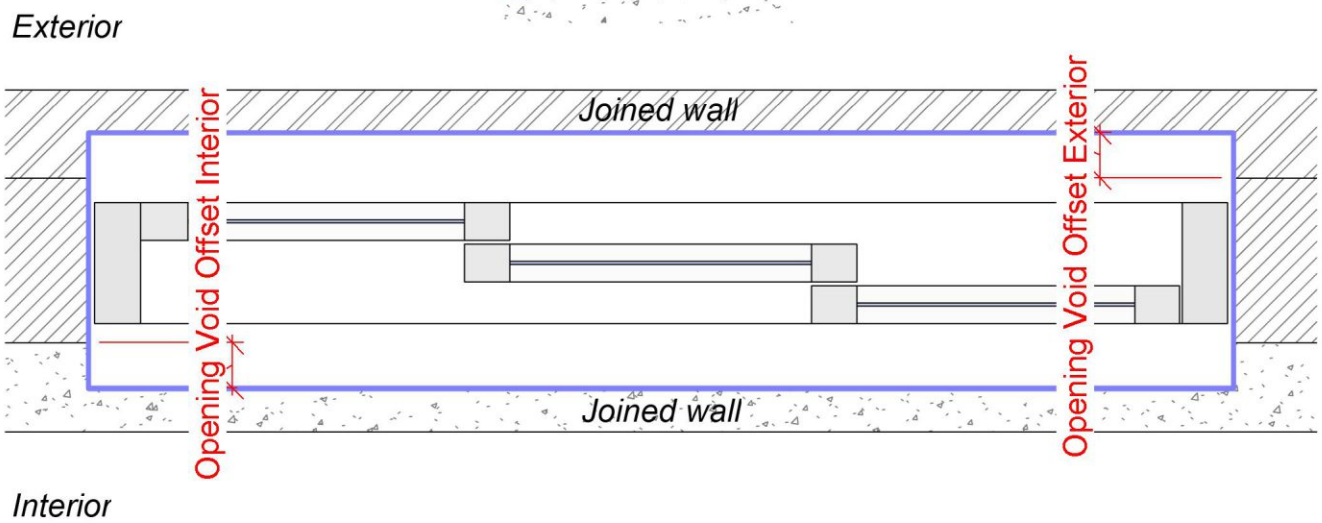

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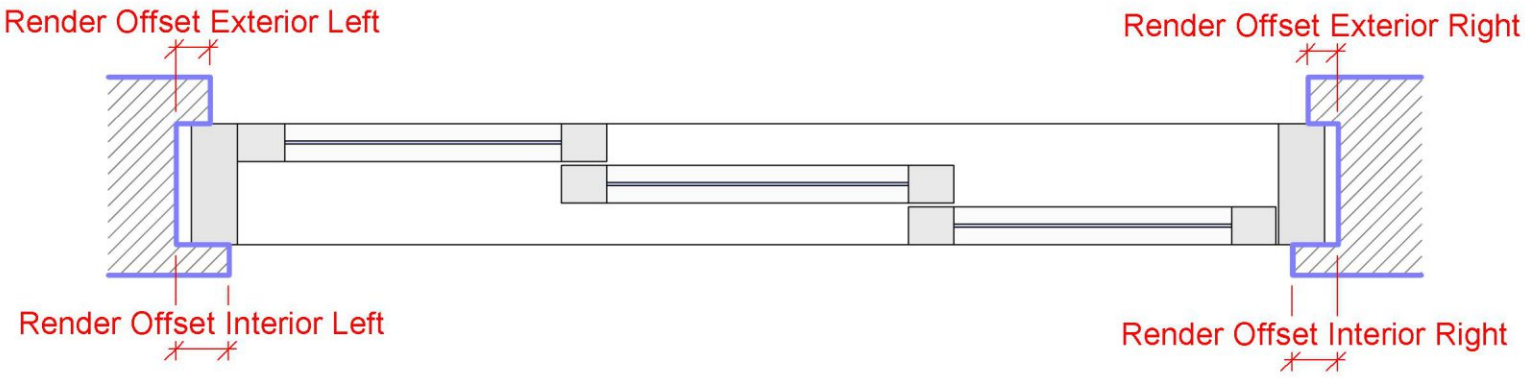
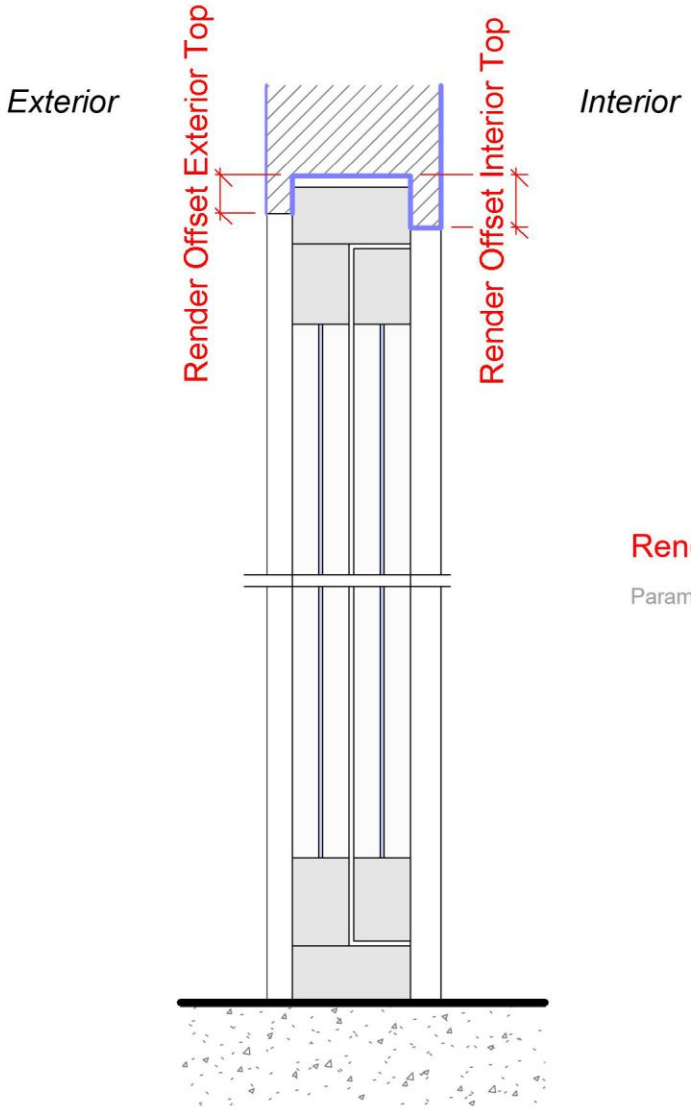
Exterior



Interior



Render Offset Visibility ☑

Parameter for switch on/off of all render offsets

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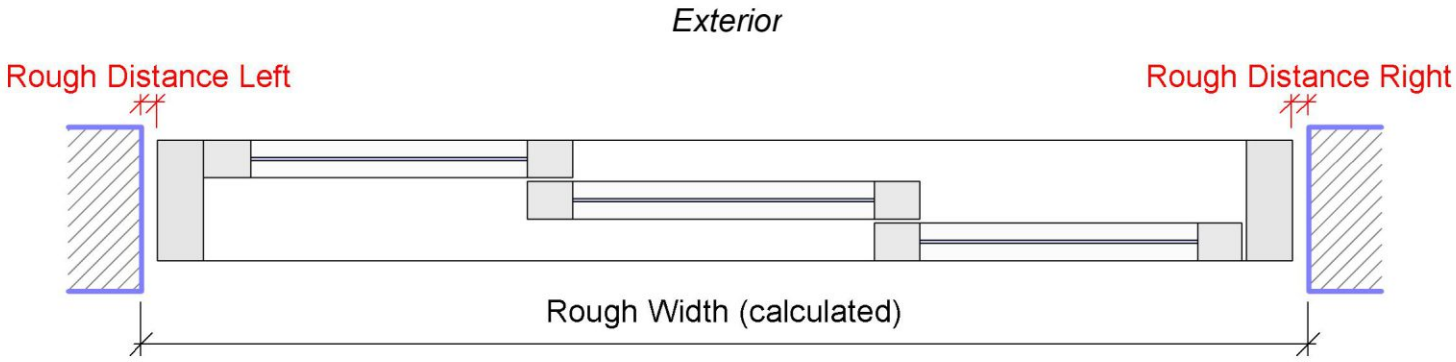

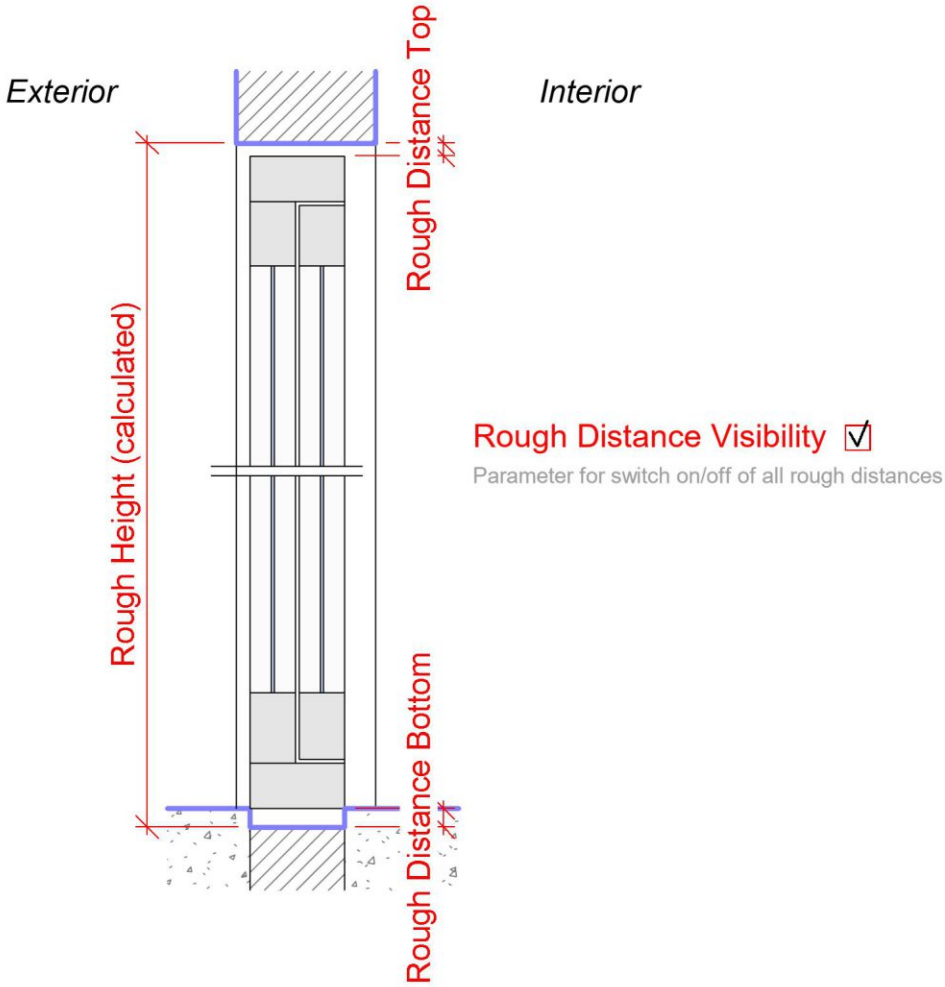

Rough Distance Visibility ☑

Parameter for switch on/off of all rough distances

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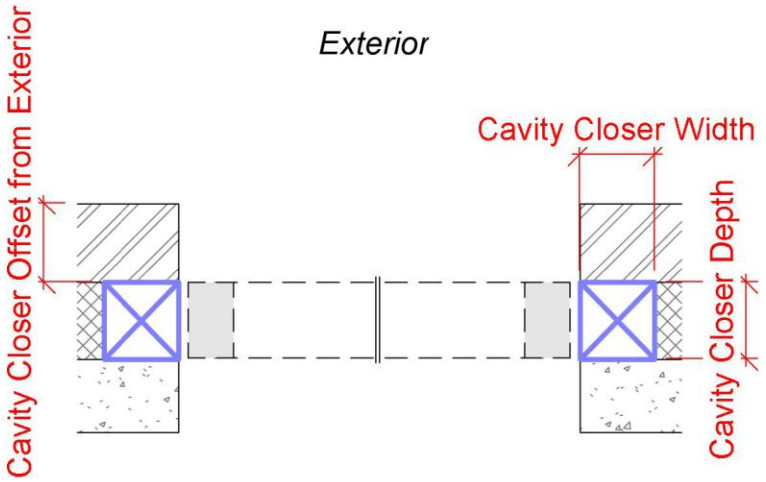
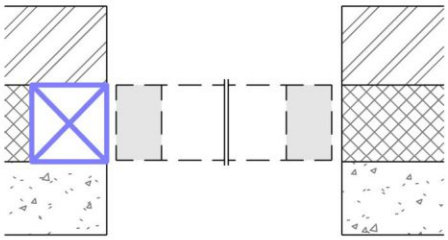


Cavity Closer Visibility Left ☑

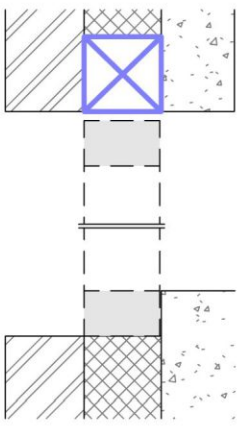


Cavity Closer Visibility Right ☐

Interior

Cavity Closer Visibility Top ☑

Exterior *Interior*



Cavity Closer Visibility Bottom ☐

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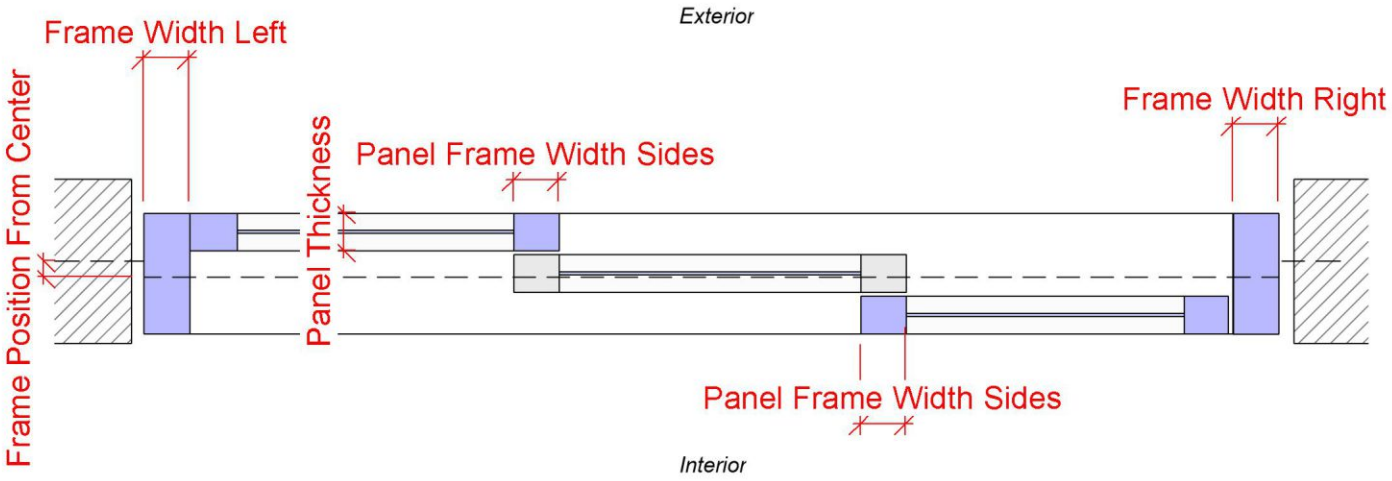

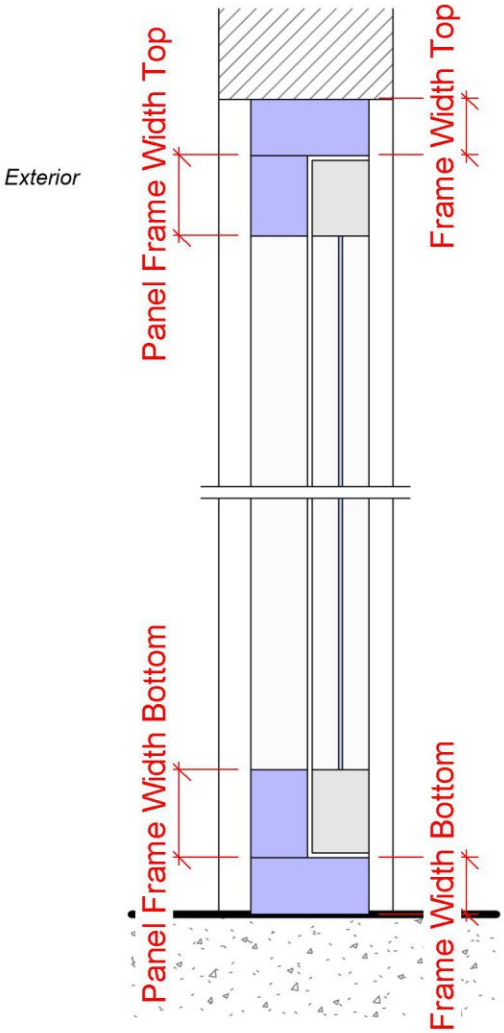

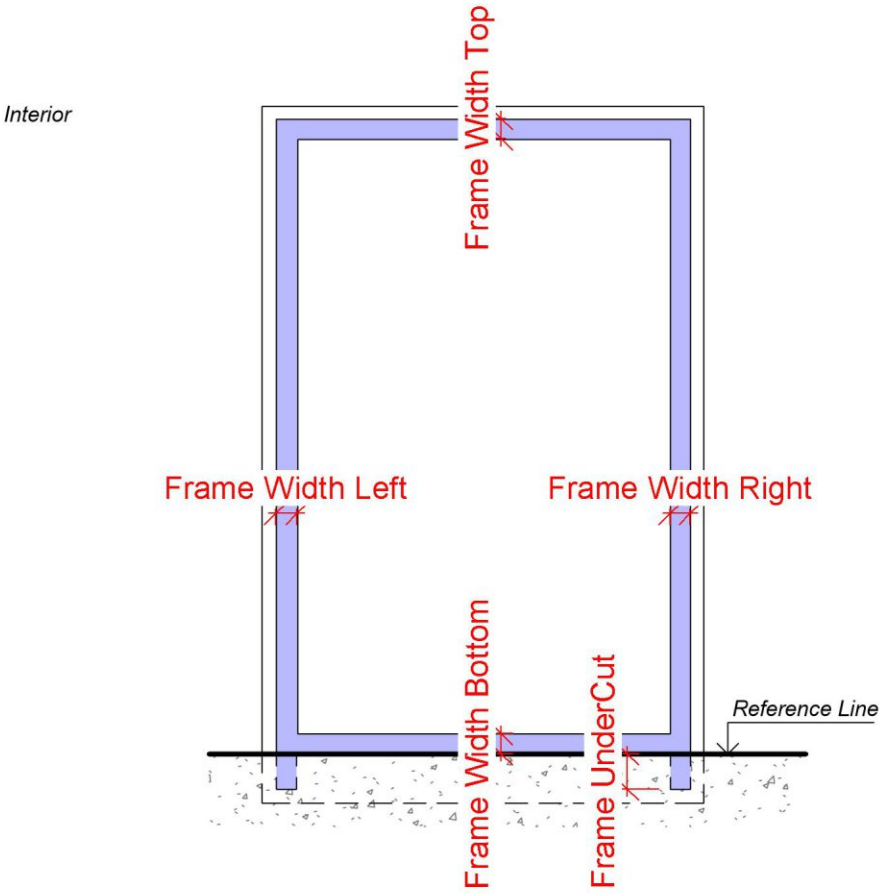

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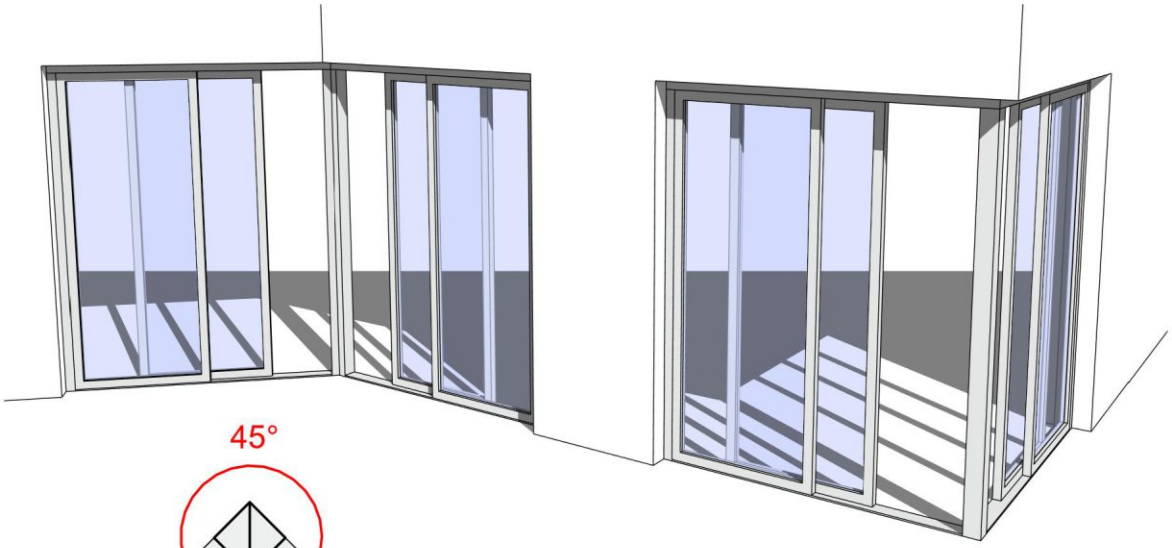
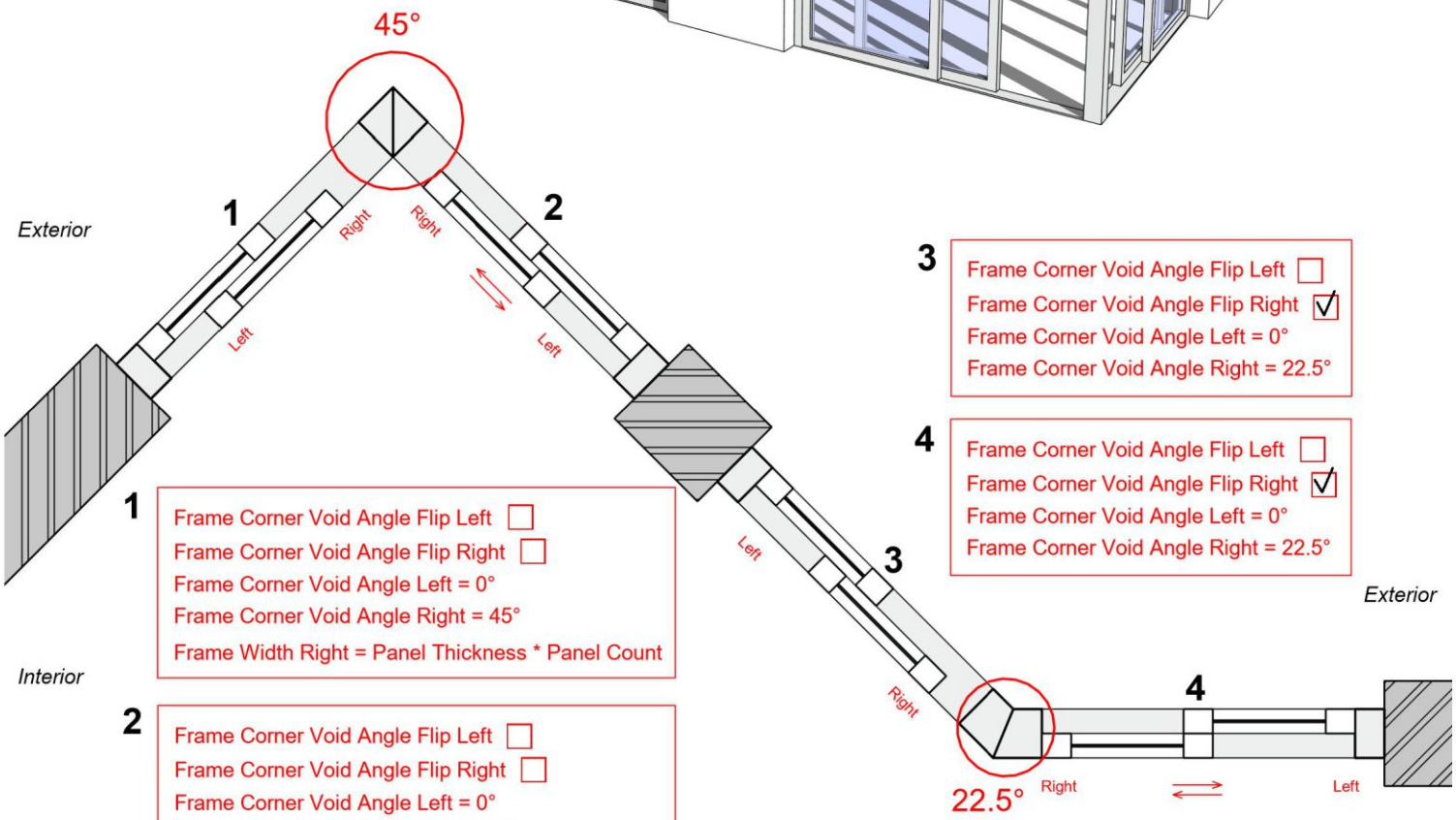


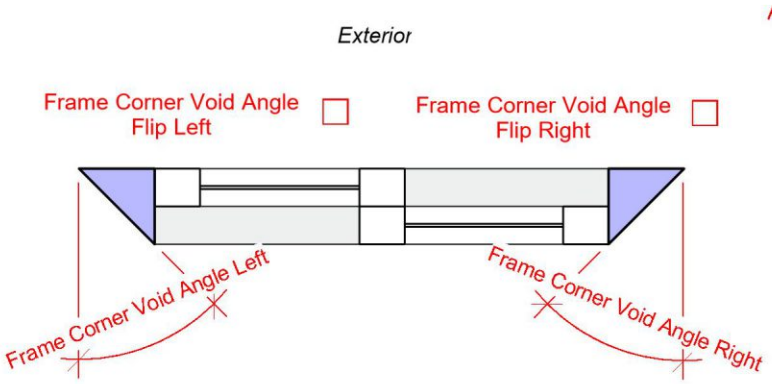


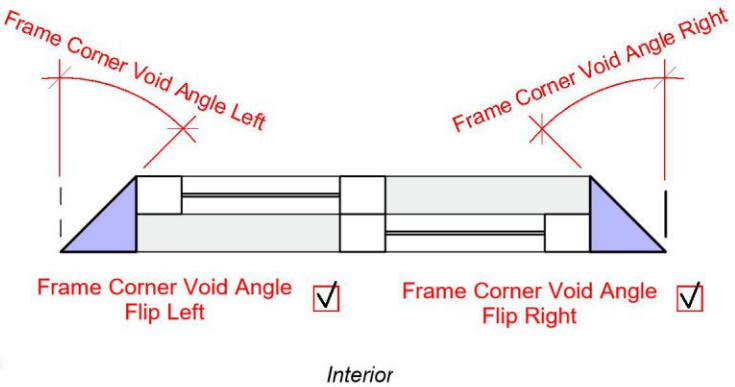
1
- Frame Corner Void Angle Flip Left ☐
- Frame Corner Void Angle Flip Right ☐
- Frame Corner Void Angle Left = 0°
- Frame Corner Void Angle Right = 45°
- Frame Width Right = Panel Thickness * Panel Count

2
- Frame Corner Void Angle Flip Left ☐
- Frame Corner Void Angle Flip Right ☐
- Frame Corner Void Angle Left = 0°
- Frame Corner Void Angle Right = 45°
- Frame Width Right = Panel Thickness * Panel Count

3
- Frame Corner Void Angle Flip Left ☐
- Frame Corner Void Angle Flip Right ☑
- Frame Corner Void Angle Left = 0°
- Frame Corner Void Angle Right = 22.5°

4
- Frame Corner Void Angle Flip Left ☐
- Frame Corner Void Angle Flip Right ☑
- Frame Corner Void Angle Left = 0°
- Frame Corner Void Angle Right = 22.5°





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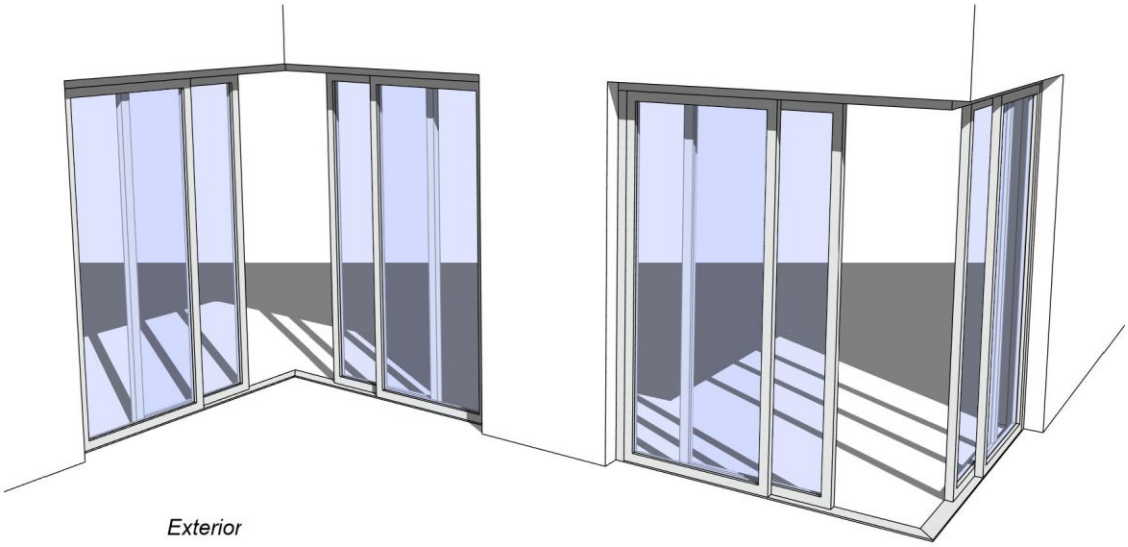
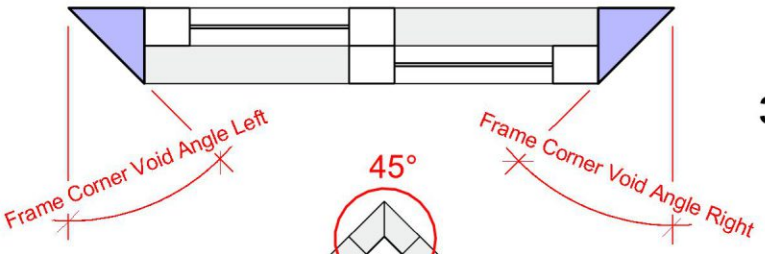
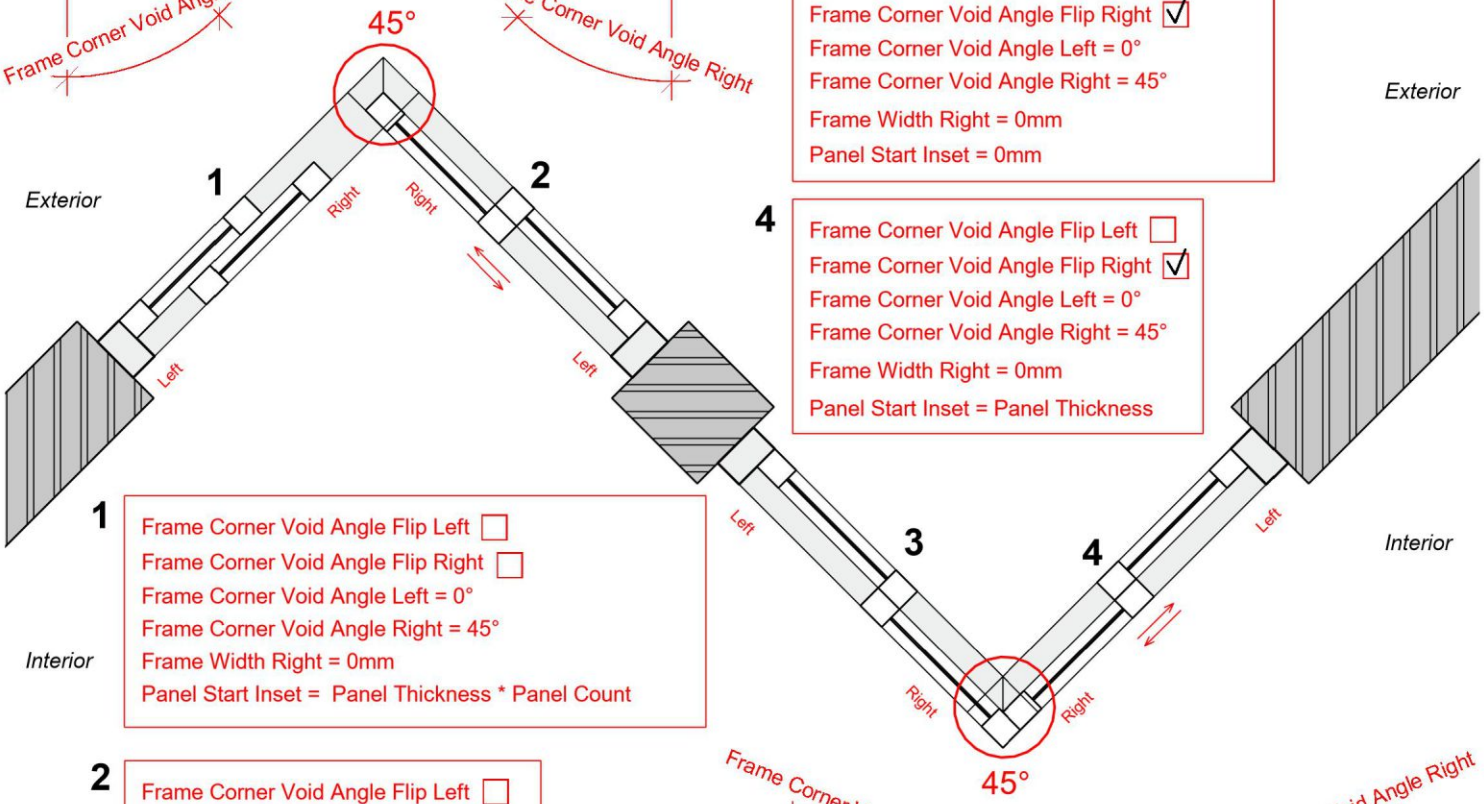


Exterior

Frame Corner Void Angle Flip Left ☐

Frame Corner Void Angle Flip Right ☐



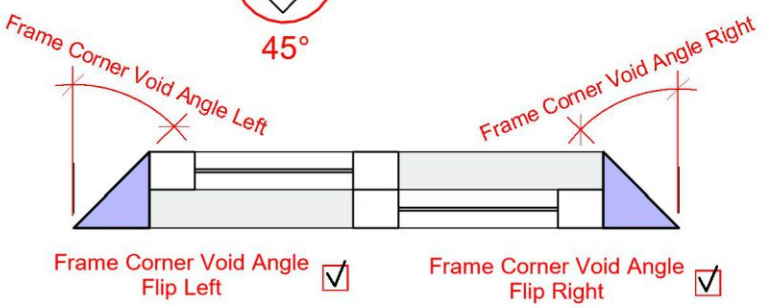


1
- Frame Corner Void Angle Flip Left ☐
- Frame Corner Void Angle Flip Right ☐
- Frame Corner Void Angle Left = 0°
- Frame Corner Void Angle Right = 45°
- Frame Width Right = 0mm
- Panel Start Inset = Panel Thickness * Panel Count

2
- Frame Corner Void Angle Flip Left ☐
- Frame Corner Void Angle Flip Right ☐
- Frame Corner Void Angle Left = 0°
- Frame Corner Void Angle Right = 45°
- Frame Width Right = 0mm
- Panel Start Inset = Panel Thickness

3
- Frame Corner Void Angle Flip Left ☐
- Frame Corner Void Angle Flip Right ☑
- Frame Corner Void Angle Left = 0°
- Frame Corner Void Angle Right = 45°
- Frame Width Right = 0mm
- Panel Start Inset = 0mm

4
- Frame Corner Void Angle Flip Left ☐
- Frame Corner Void Angle Flip Right ☑
- Frame Corner Void Angle Left = 0°
- Frame Corner Void Angle Right = 45°
- Frame Width Right = 0mm
- Panel Start Inset = Panel Thickness



Frame Corner Void Angle Flip Left ☑

Frame Corner Void Angle Flip Right ☑

Interior

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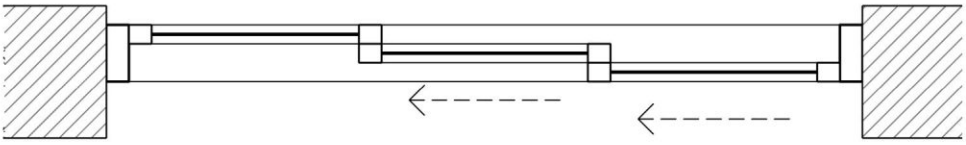
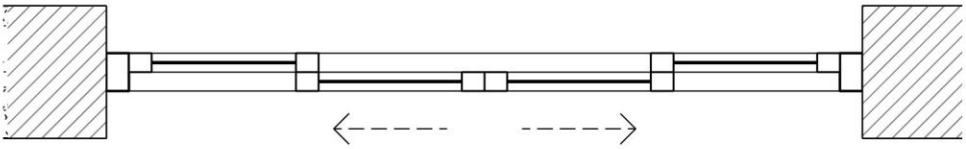
Exterior

Single door



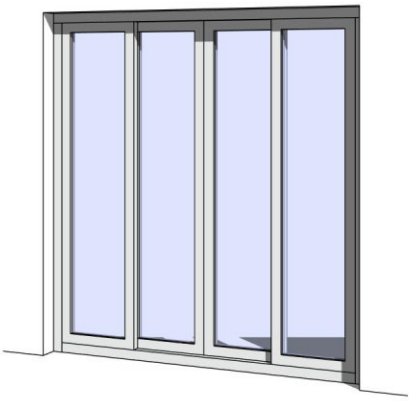
Panel Count = 3

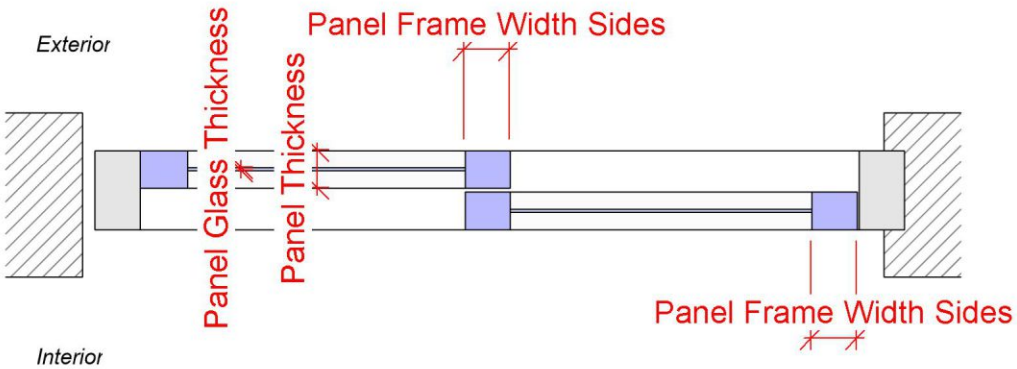
Double door

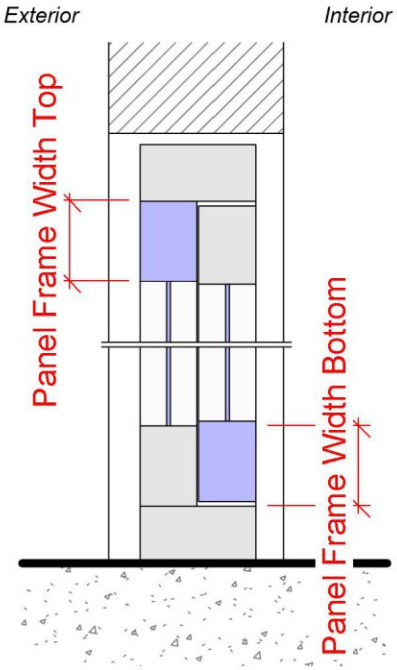


Panel Count = 2

Interior







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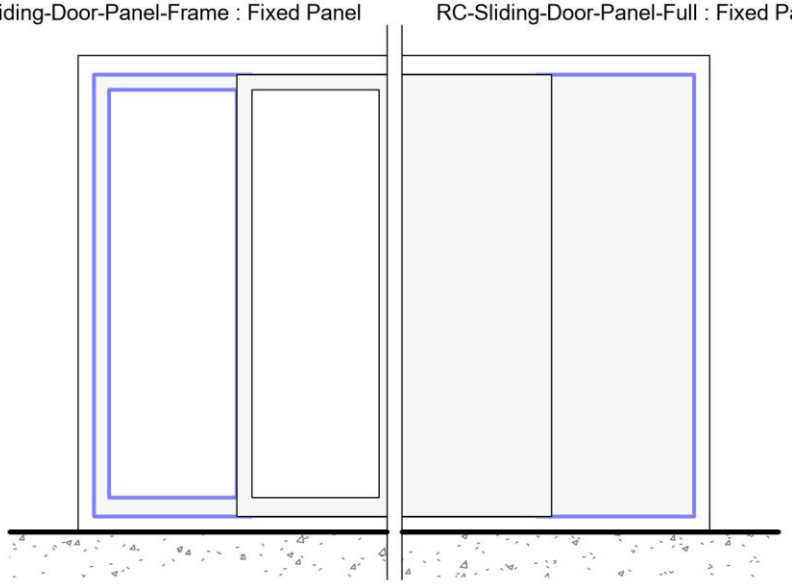
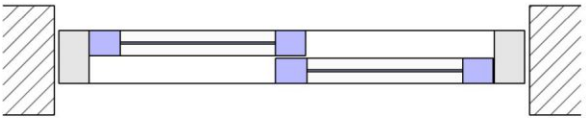
Panel Fixed Family

RC-Sliding-Door-Panel-Frame : Fixed Panel

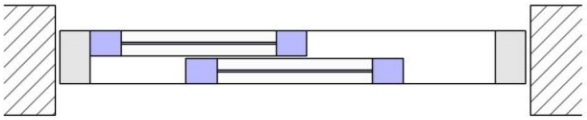
RC-Sliding-Door-Panel-Full : Fixed Panel



Exterior



Panel Opening % = 0%

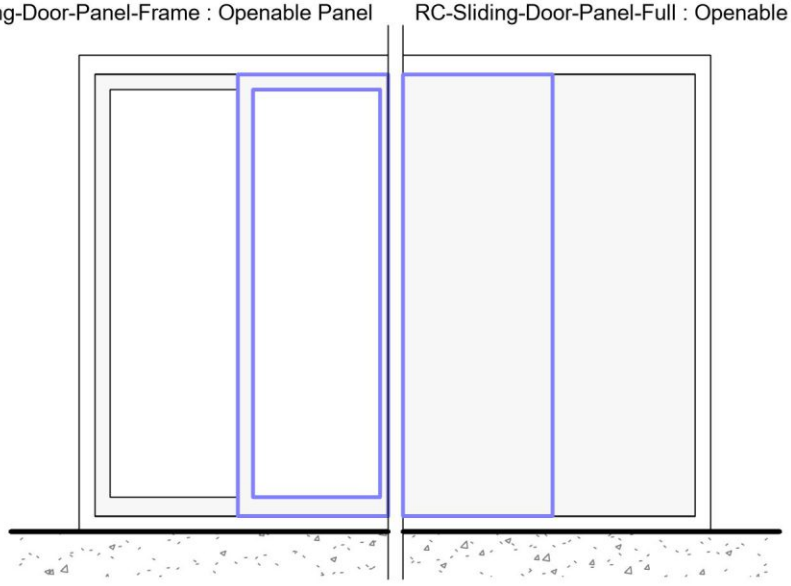


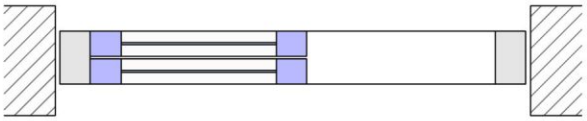
Panel Opening % = 50%

Panel Openable Family

RC-Sliding-Door-Panel-Frame : Openable Panel

RC-Sliding-Door-Panel-Full : Openable Panel



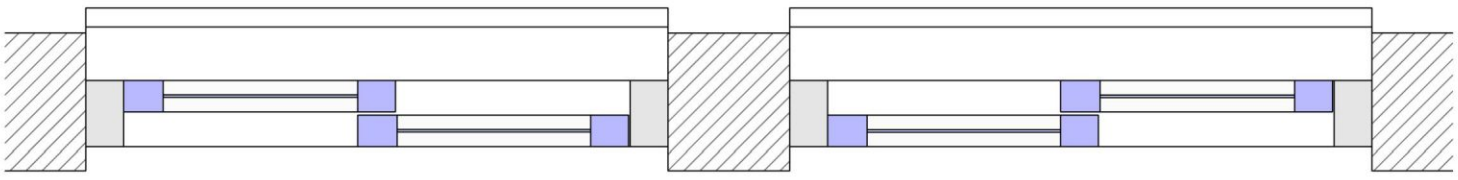


Panel Opening % = 100%

Interior

Exterior

Panels Interior ☑



Panels Interior ☐

Interior

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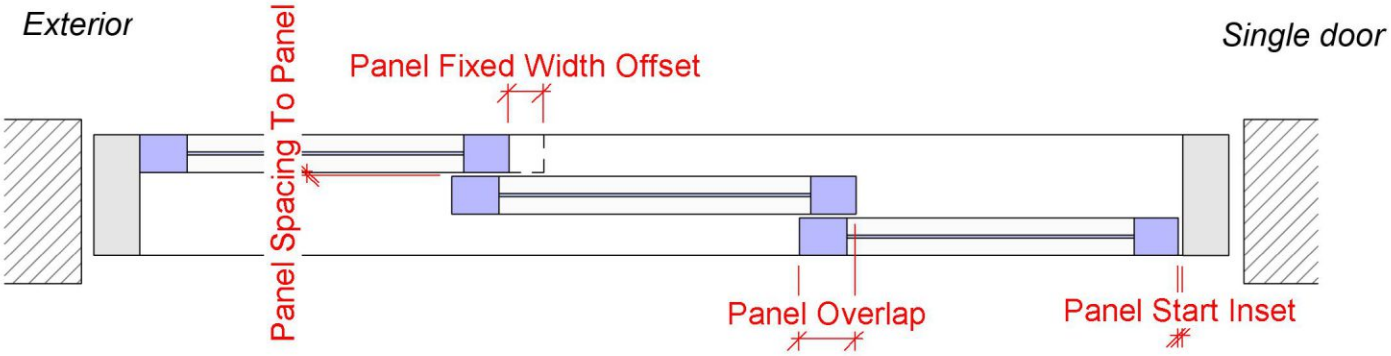

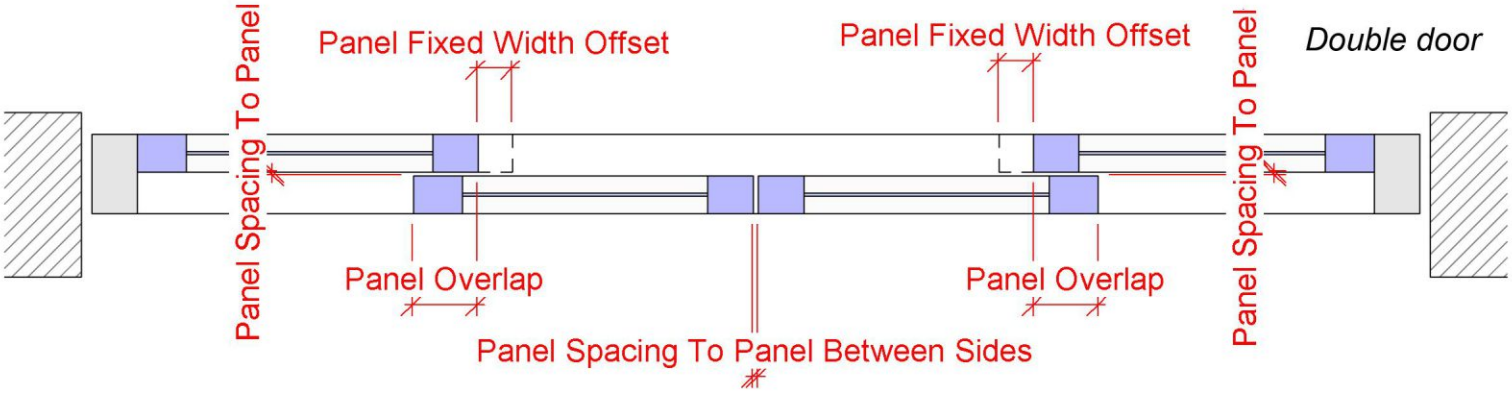

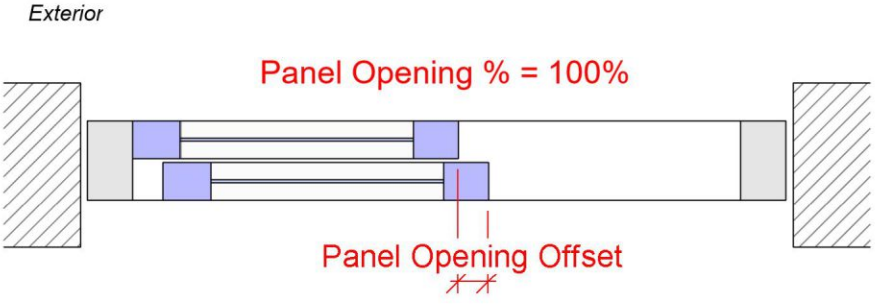

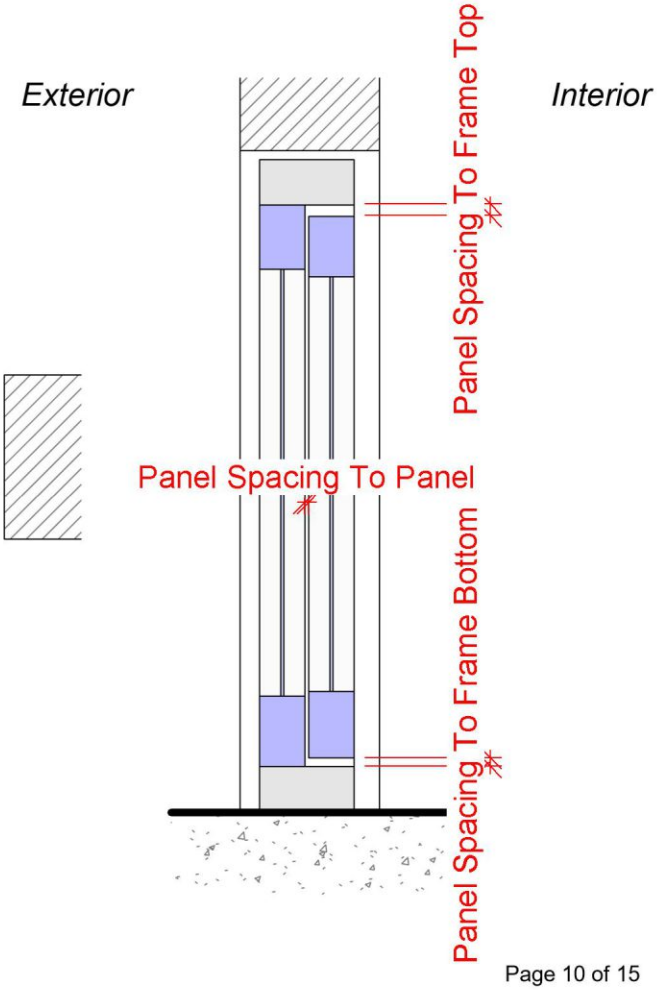

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Panel Glazing Bar Count Horizontal = 5

Panel Glazing Bar Count Vertical = 3

Panel Glazing Bars Locked Bottom ☑

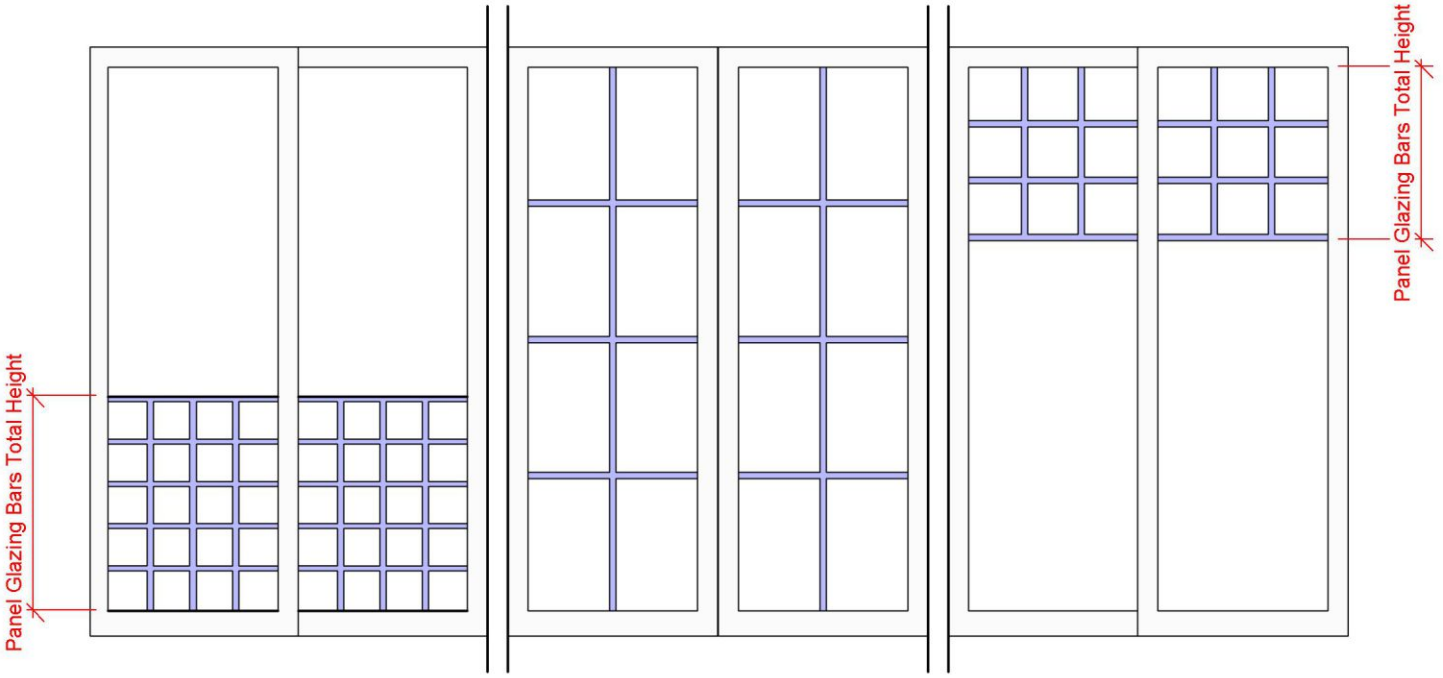
Panel Glazing Bars Locked Top ☐

Panel Glazing Bar Count Horizontal = 3

Panel Glazing Bar Count Vertical = 2

Panel Glazing Bars Locked Bottom ☐

Panel Glazing Bars Locked Top ☑



Panel Glazing Bar Count Vertical = 1

Panel Glazing Bar Count Horizontal = 3

Panel Glazing Bars Locked Bottom ☑

Panel Glazing Bars Locked Top ☑

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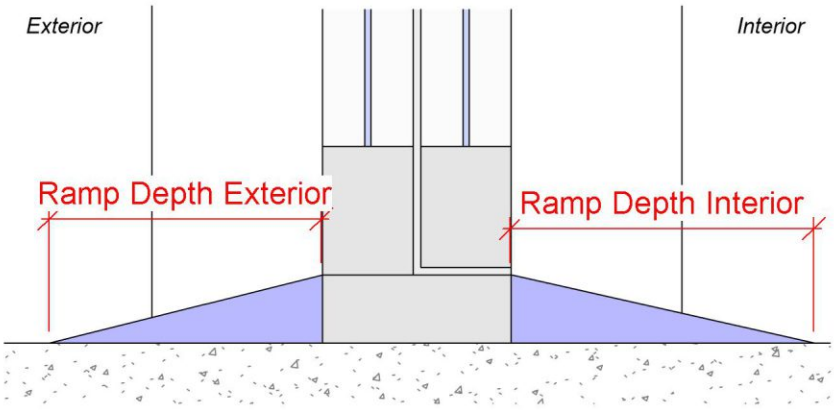
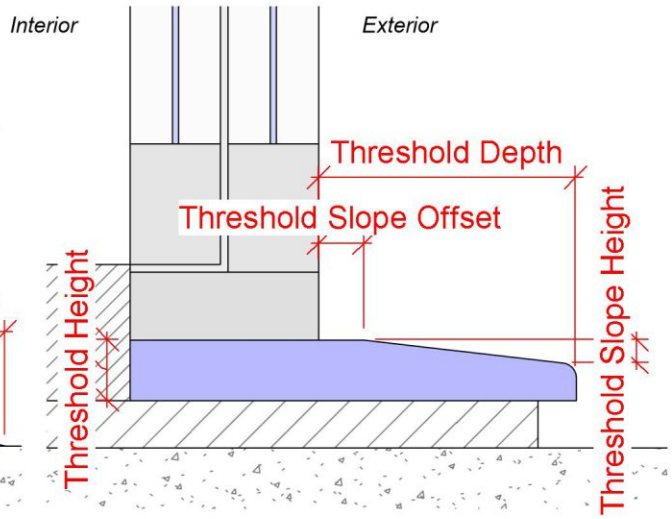
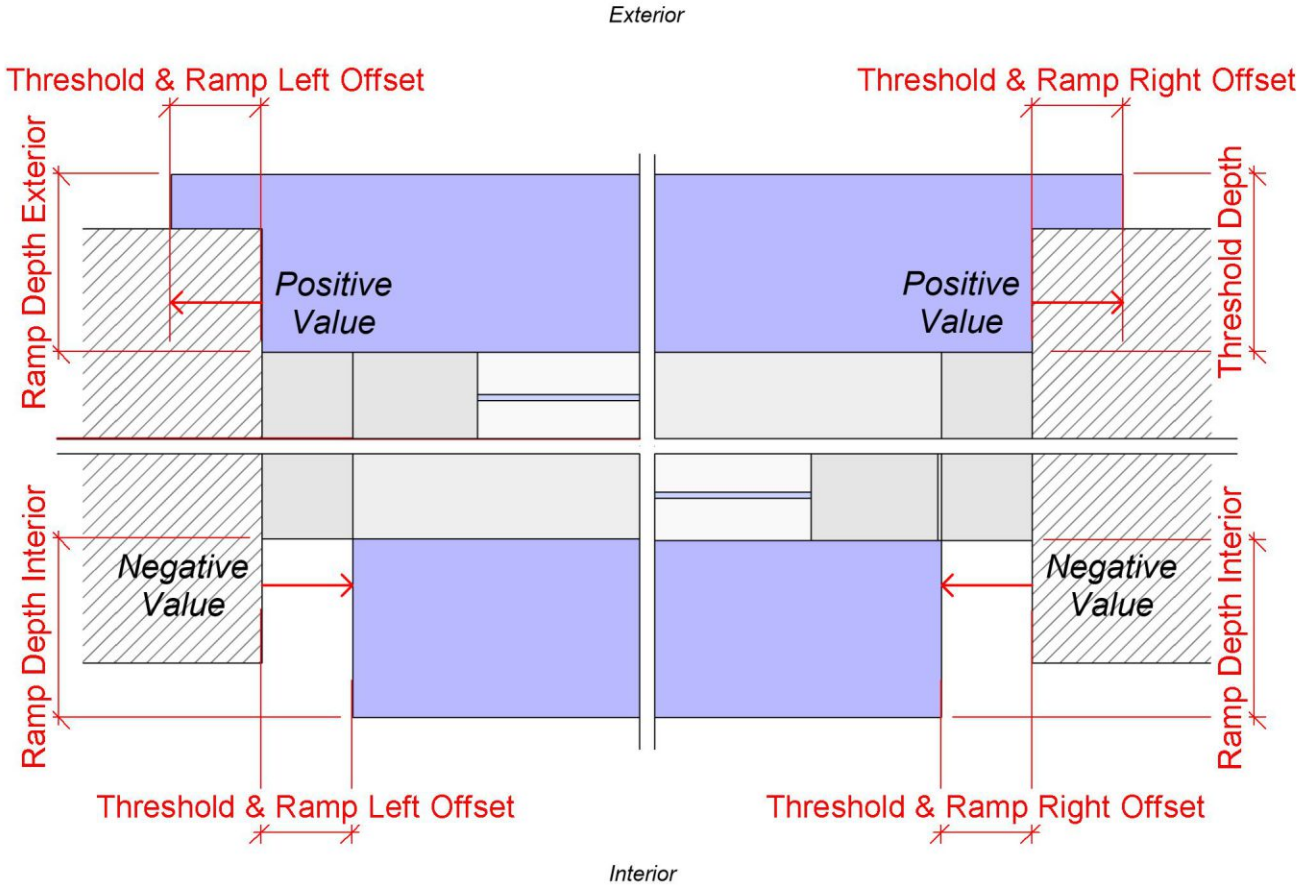




Ramp Visibility Exterior ☑ Ramp Visibility Interior ☑ Threshold Visibility ☑



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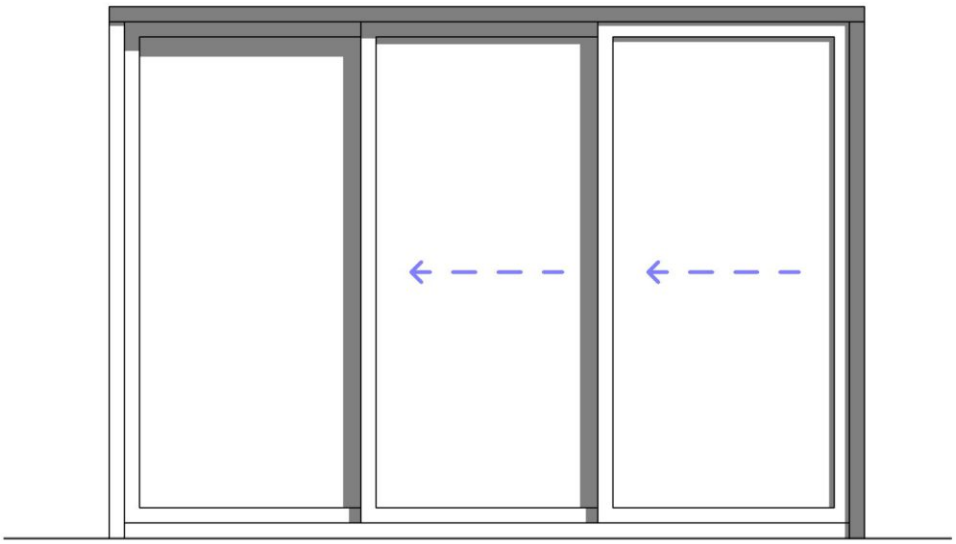
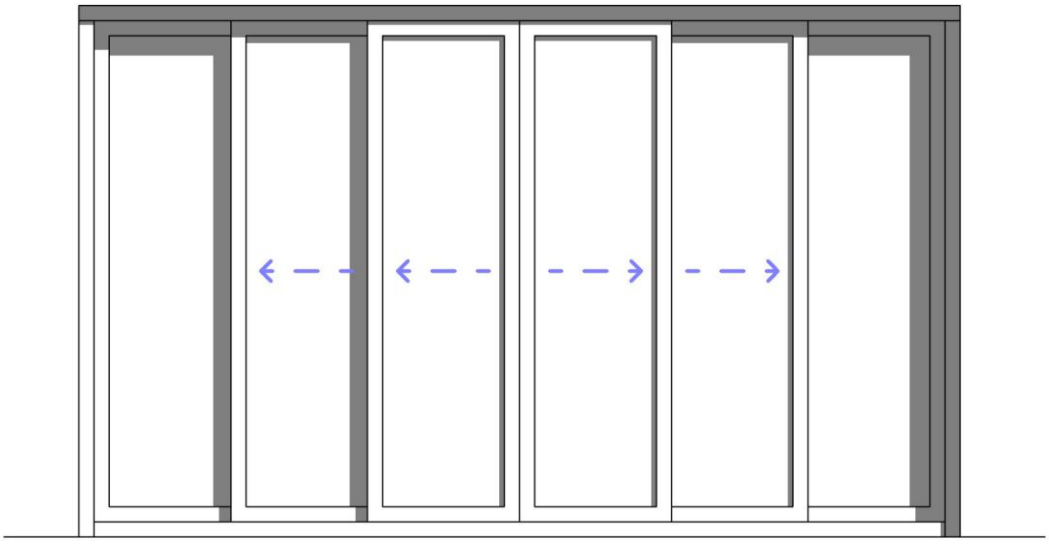
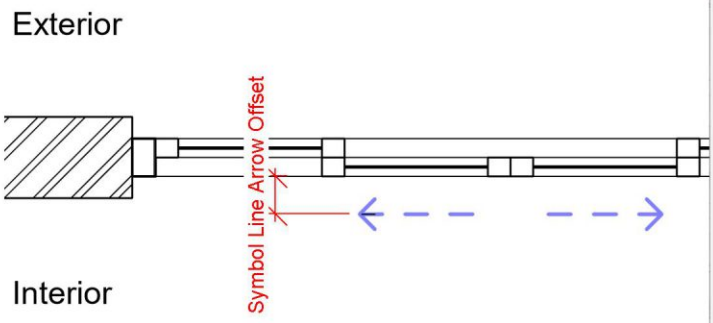
Note: For symbolic lines to be visible, the Panel Opening % parameter must not be greater than 10

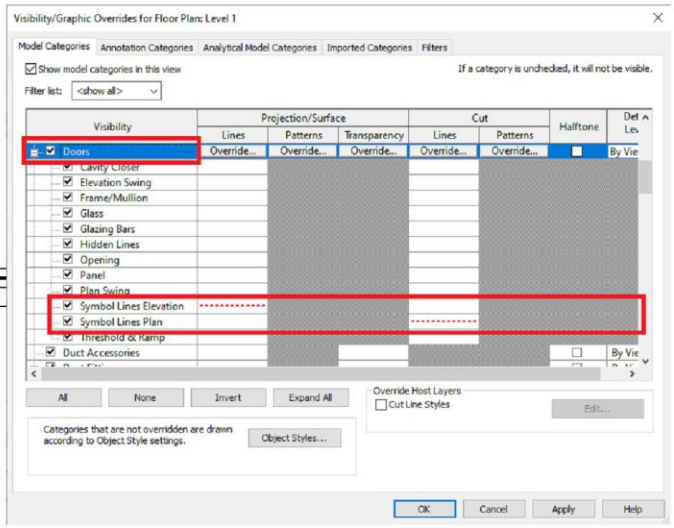


Single door



Double door





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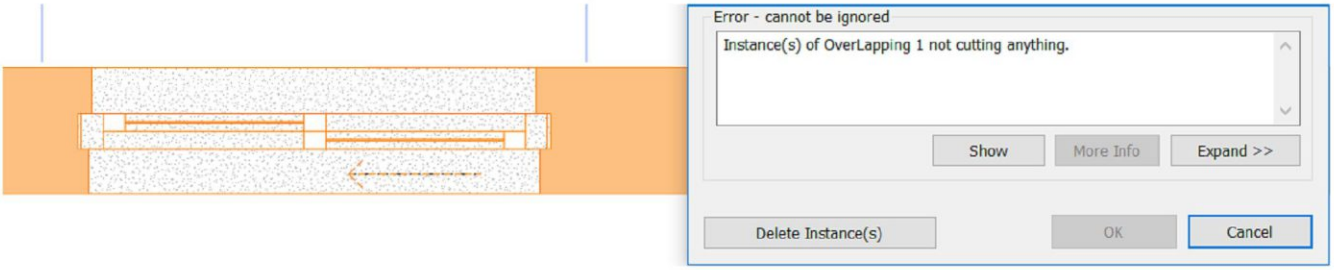
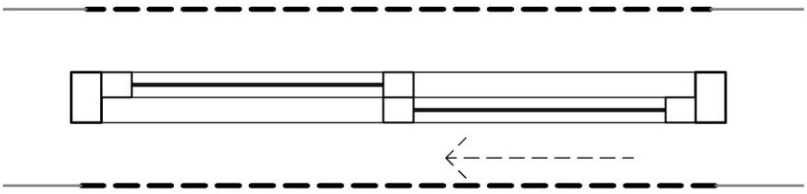
Instead of the simple opening tool, this family uses various voids for the wall opening, to provide features like rough distance, render offsets, and taper reveals. This causes issues in the following scenarios:

1. When placing the same window (copied instance or newly loaded) in the exact same place with different creation and demolition phases.



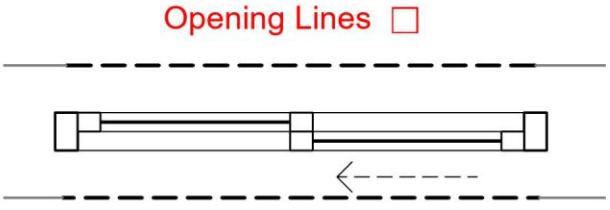
2. Wall opening lines are hidden when host wall has **"Phase Created: Existing"**, and window has **"Phase Created: New Construction"** (usually used in renovation).

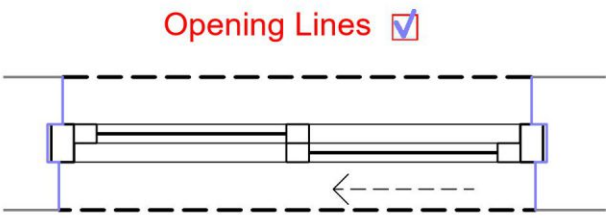


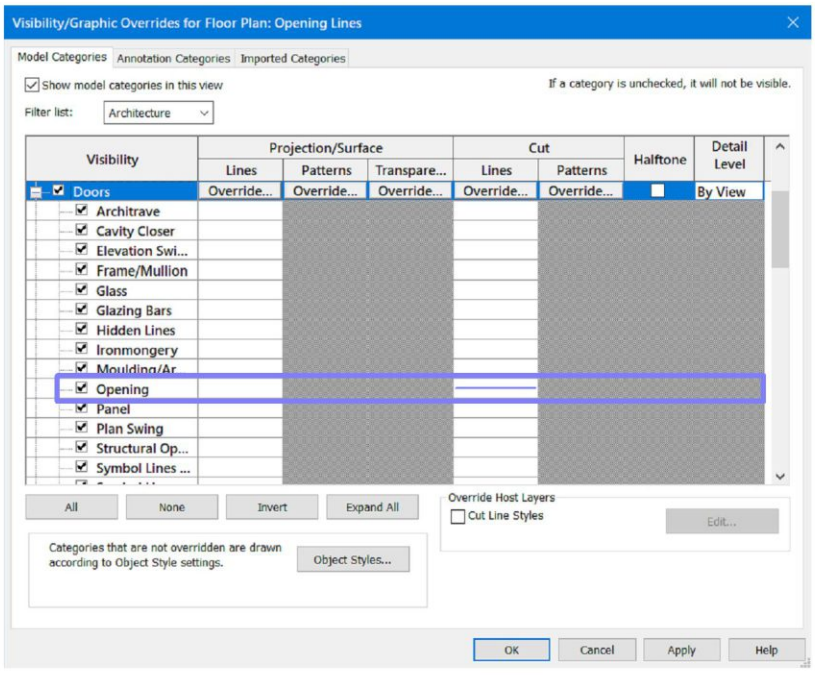
Solutions:

1. Move one of the window instances by a small distance (min 0,2 mm/0,55 decimal inches), applied either to the **Sill Height** (instance parameter).

2. Activate instance parameter **"Opening Lines"** and setup visibility via Visibility/Graphic.







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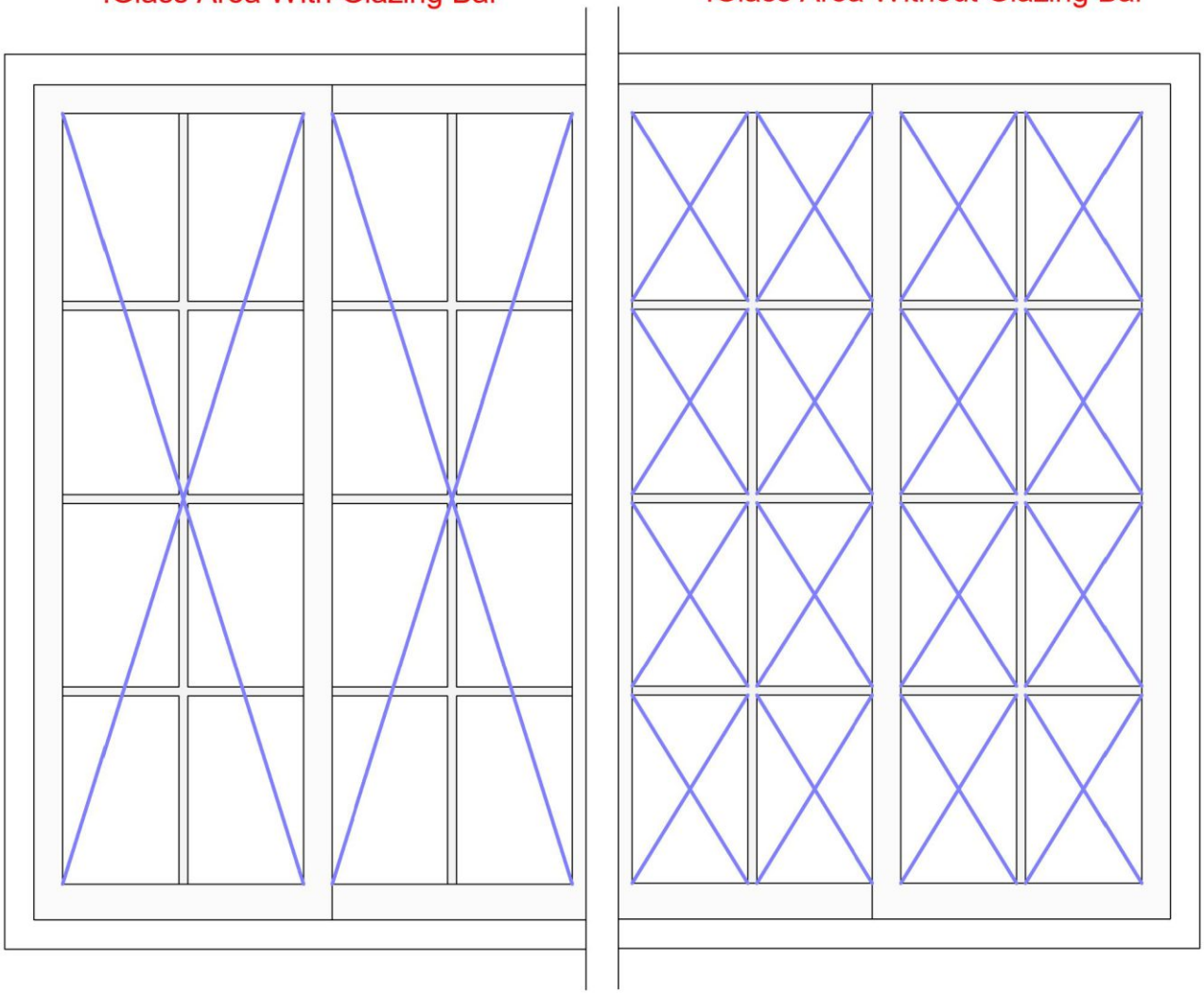
RC Patio Sliding Door 2.1

Shared Parameters

.Rough Height
.Rough Width
.Door Panel Thickness
.Frame Depth
.Panel Double Glazing

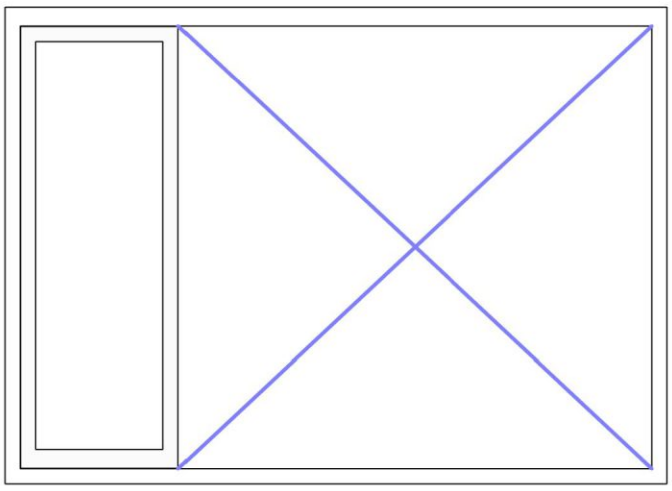
.Glass Area With Glazing Bar

.Glass Area Without Glazing Bar

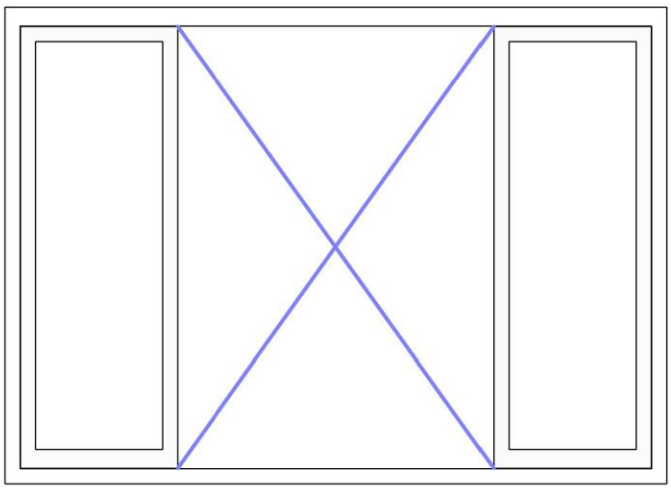


.Opening Area

Single door



Double door



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