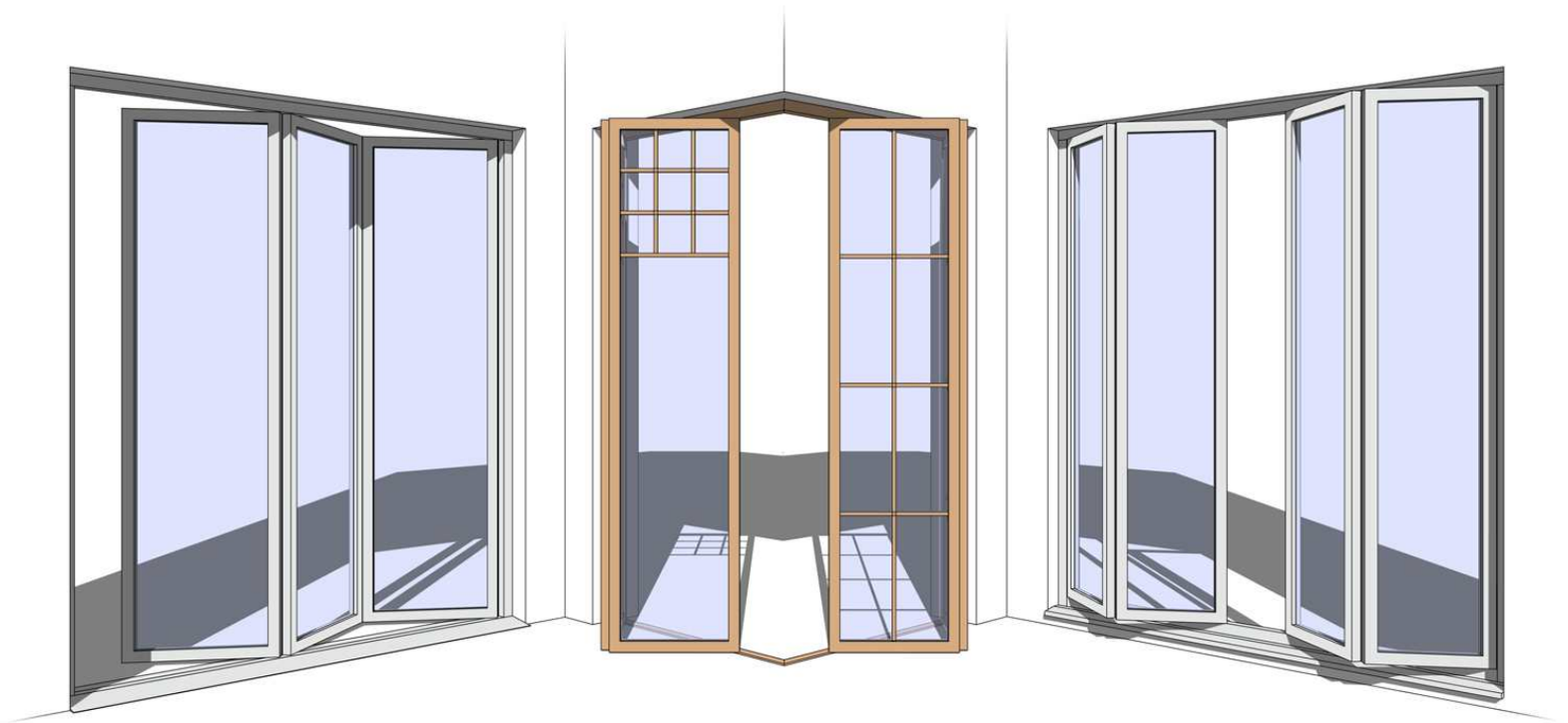
Revit® Content

Professional Revit Families

RC Bi-Fold Door Collection 3.3

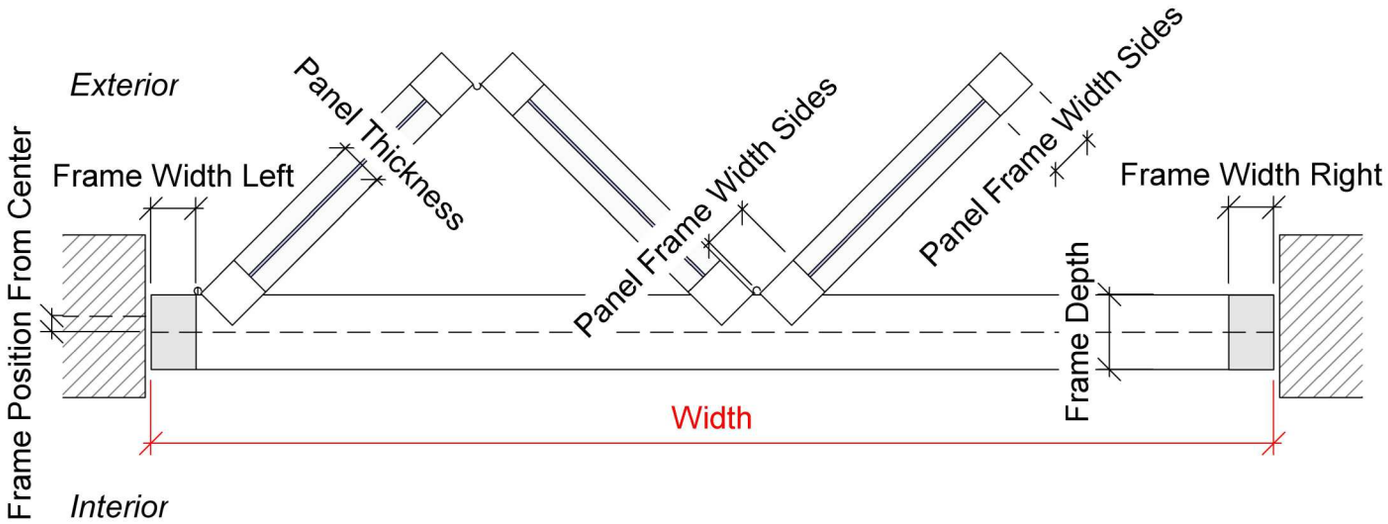
Manual

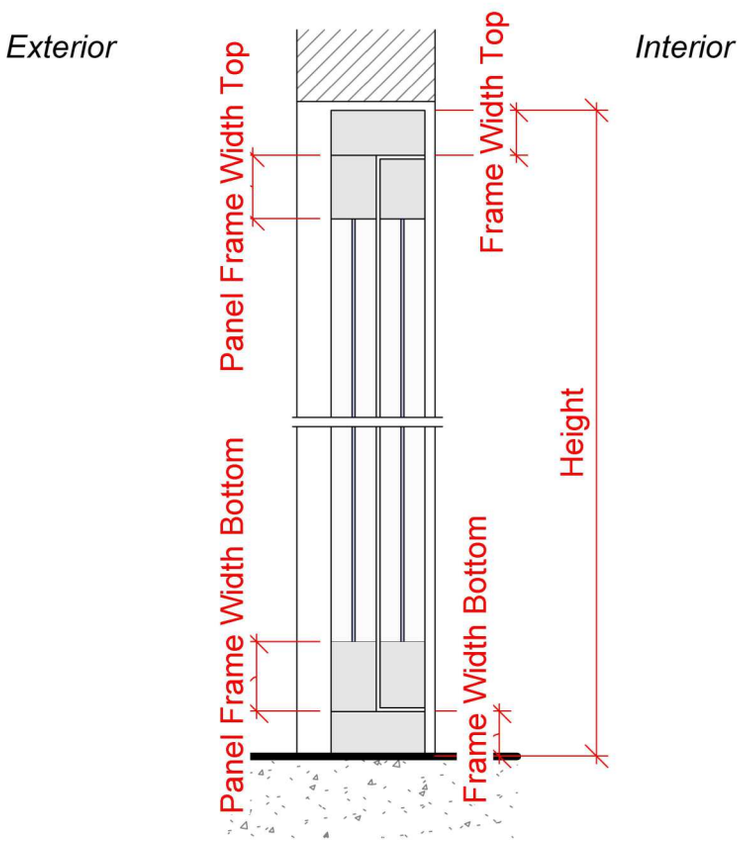


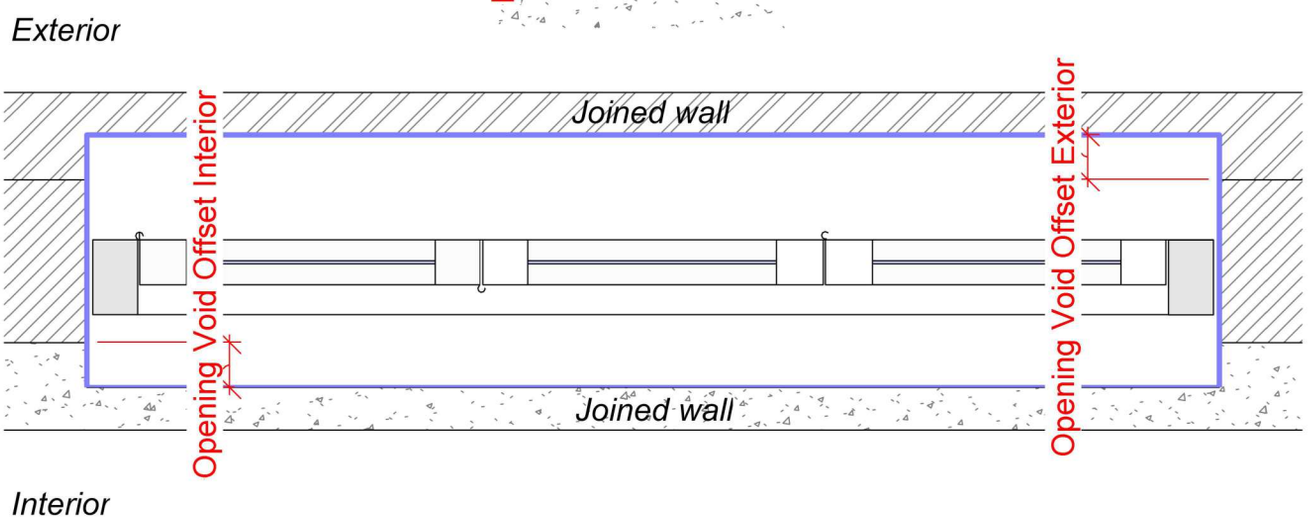
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№	Parameters	Page	Type
	Constraints		
1	Frame Corner Void Angle Flip Left	6,7	Yes/No - Type
2	Frame Corner Void Angle Flip Right	6,7	Yes/No - Type
3	Opening Lines	14	Yes/No - Instance
4	Panel Count Left	8	Integer - Type
5	Panel Count Right	8	Integer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

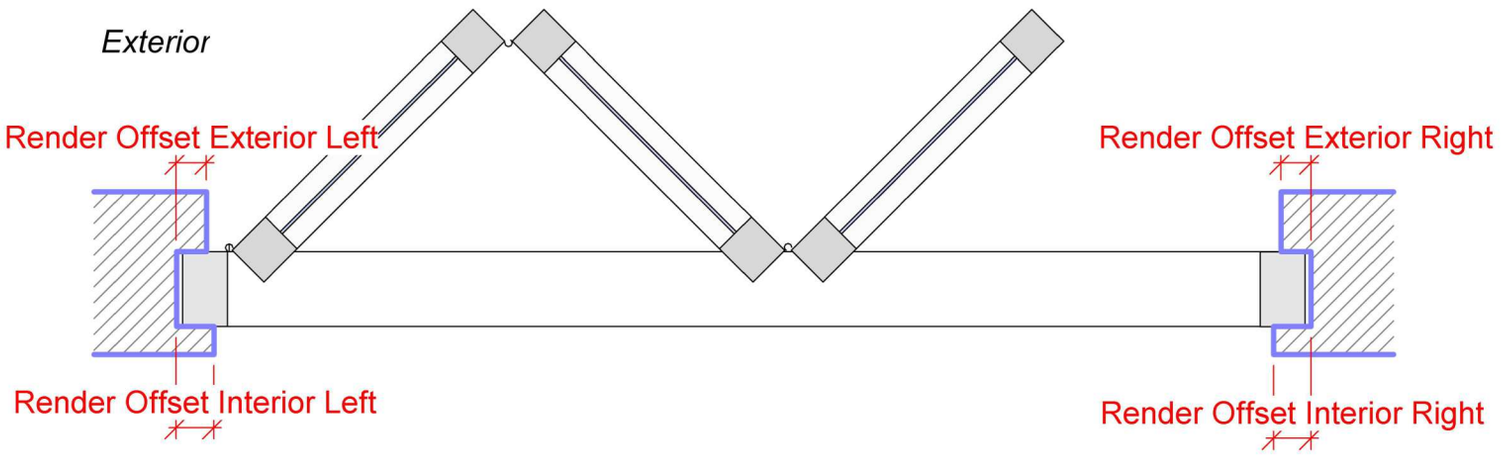
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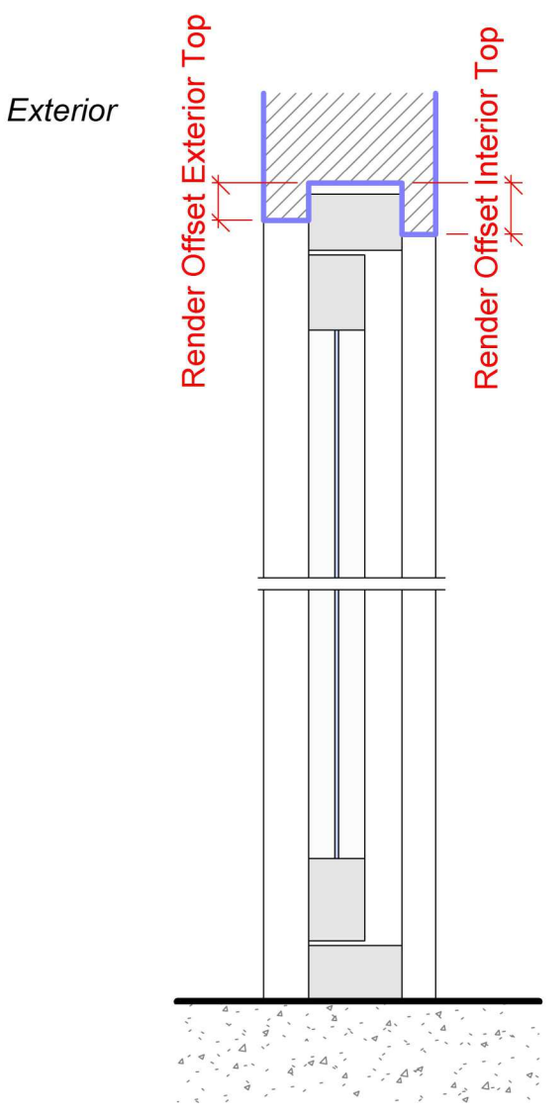






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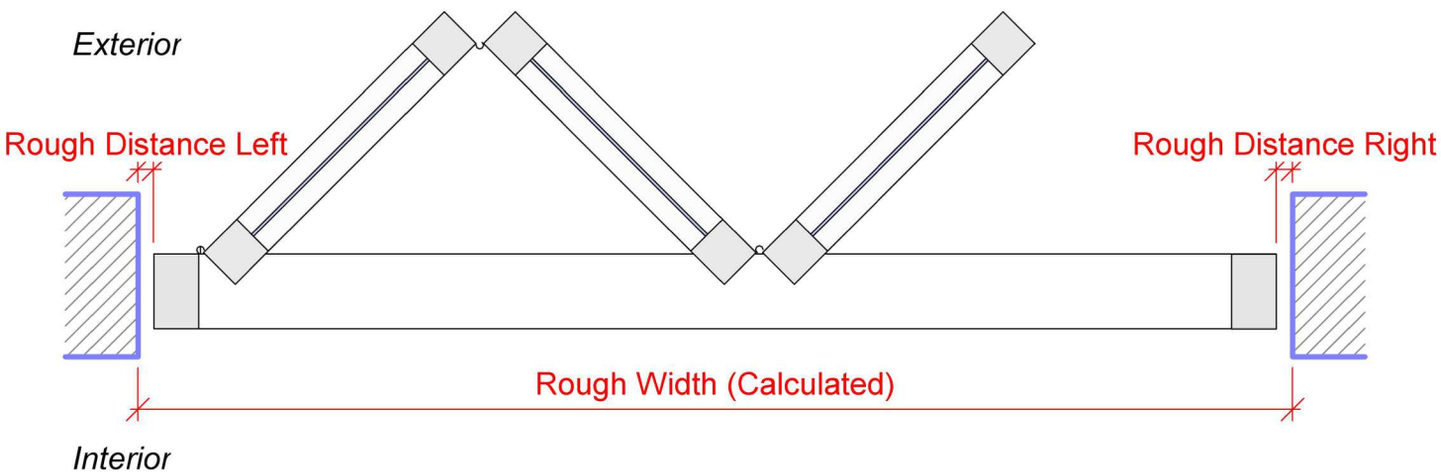


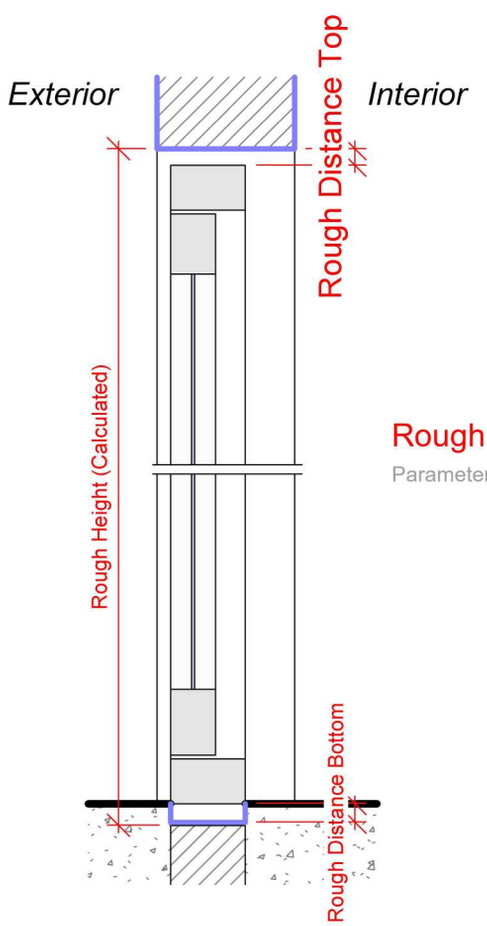


Render Offset Visibility ☑

Parameter for switch on/off of all render offsets

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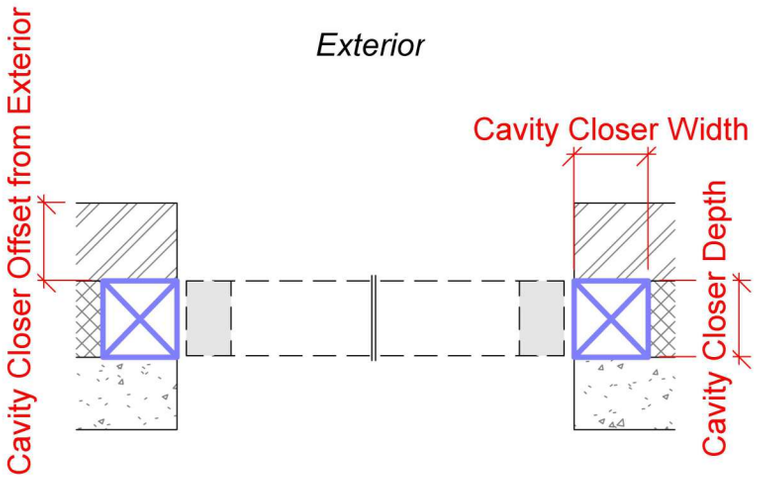




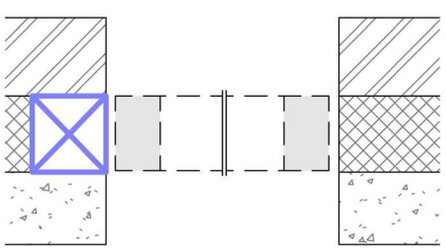
Rough Distance Visibility ☑

Parameter for switch on/off of all rough distances

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Cavity Closer Visibility Left ☑

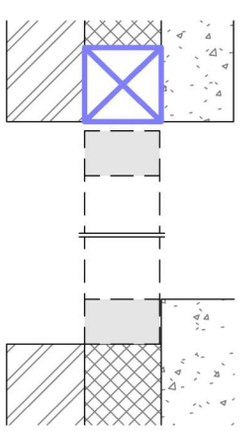


Cavity Closer Visibility Right ☐

Interior

Cavity Closer Visibility Top ☑

Exterior *Interior*

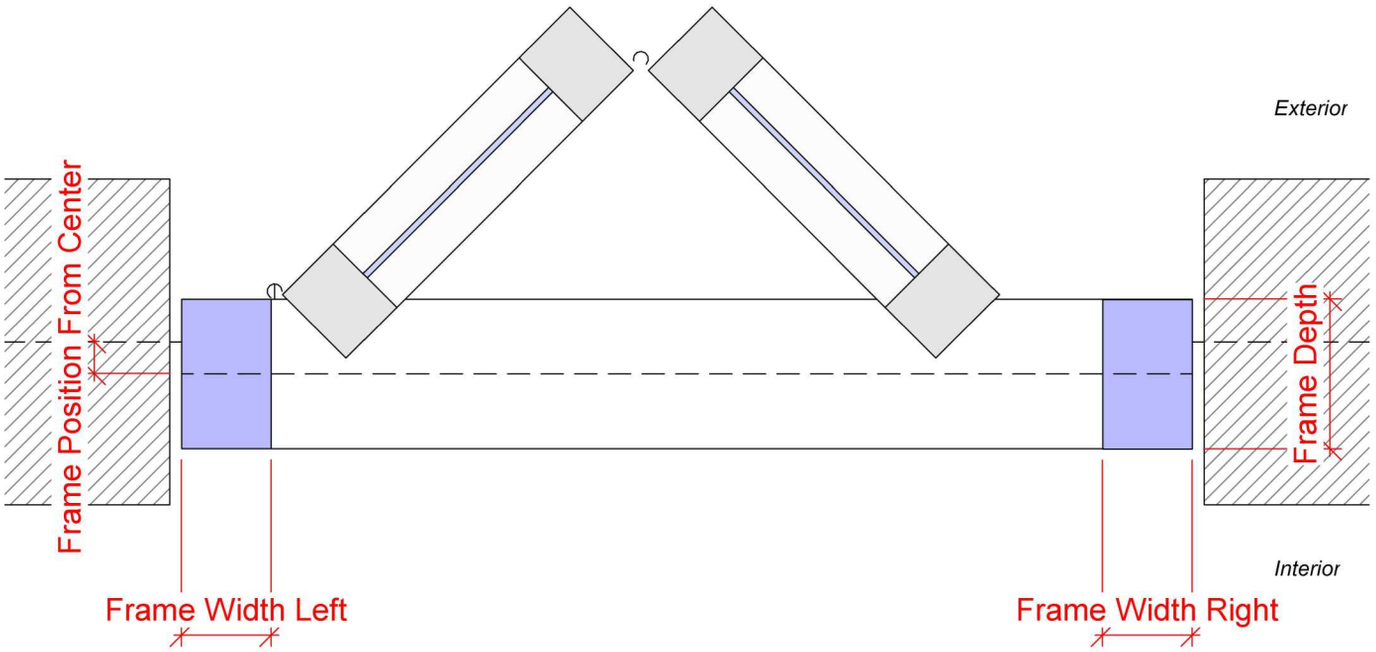


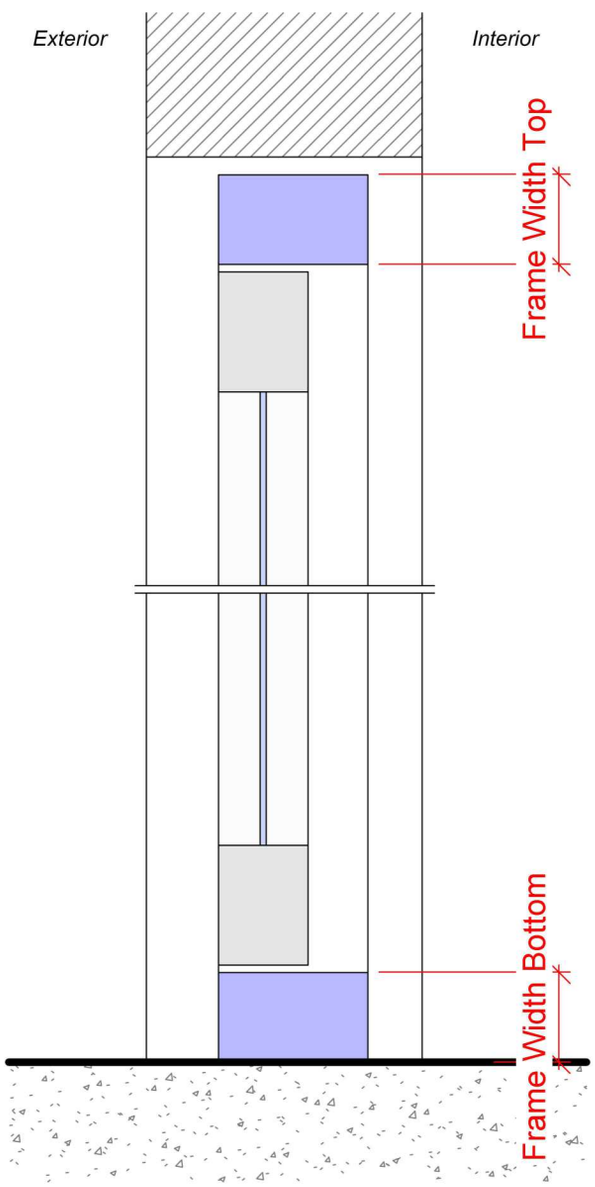
Cavity Closer Visibility Bottom ☐

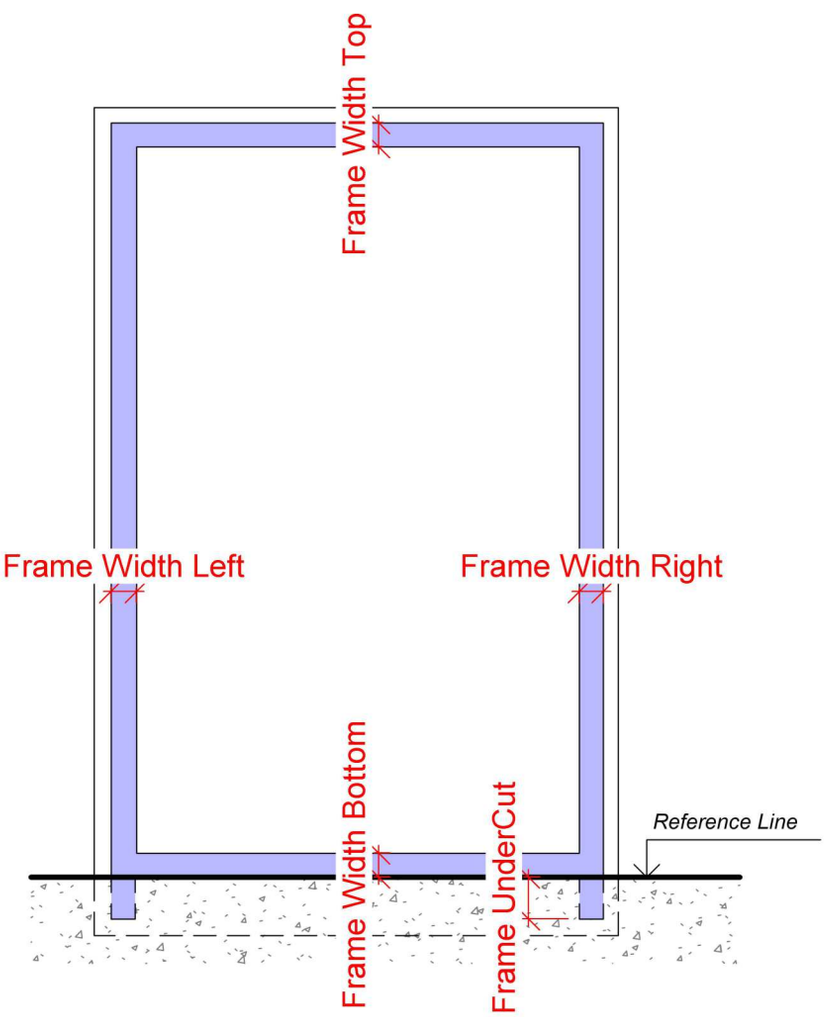
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RC Bi-Fold Door Collection 3.3

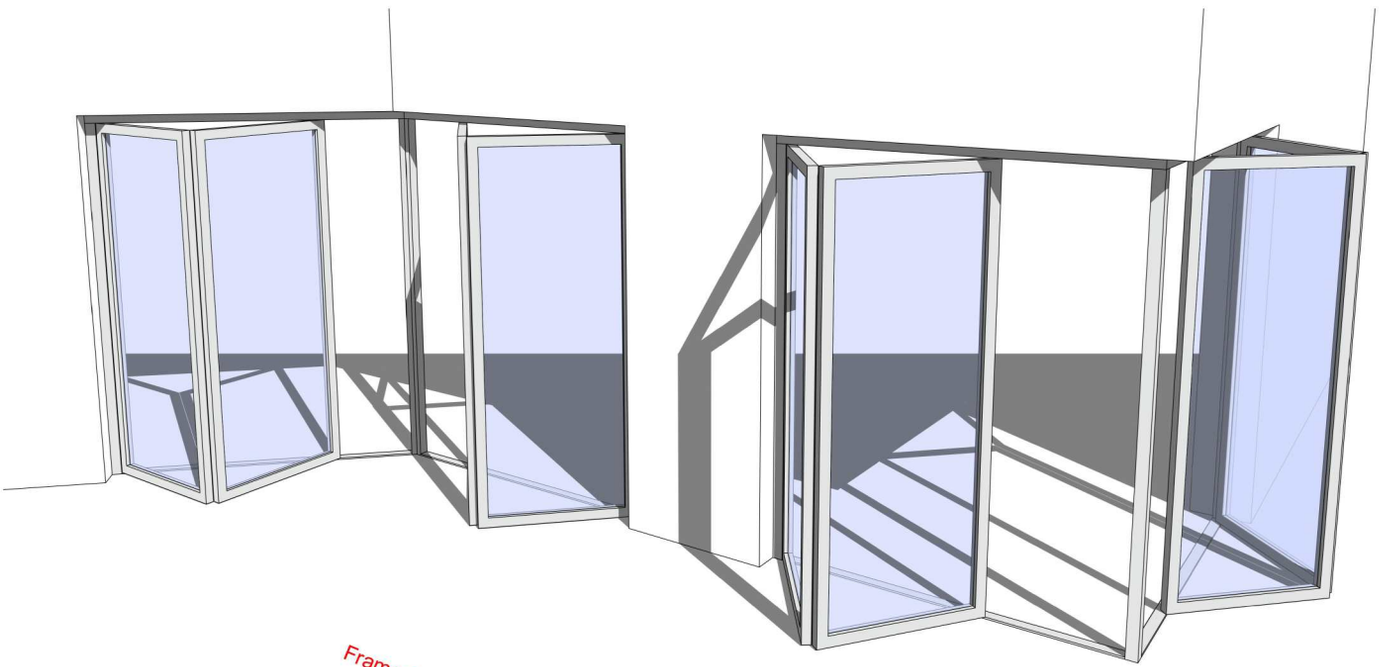
Frame - Depth, Position, Width Left/Right, UnderCut

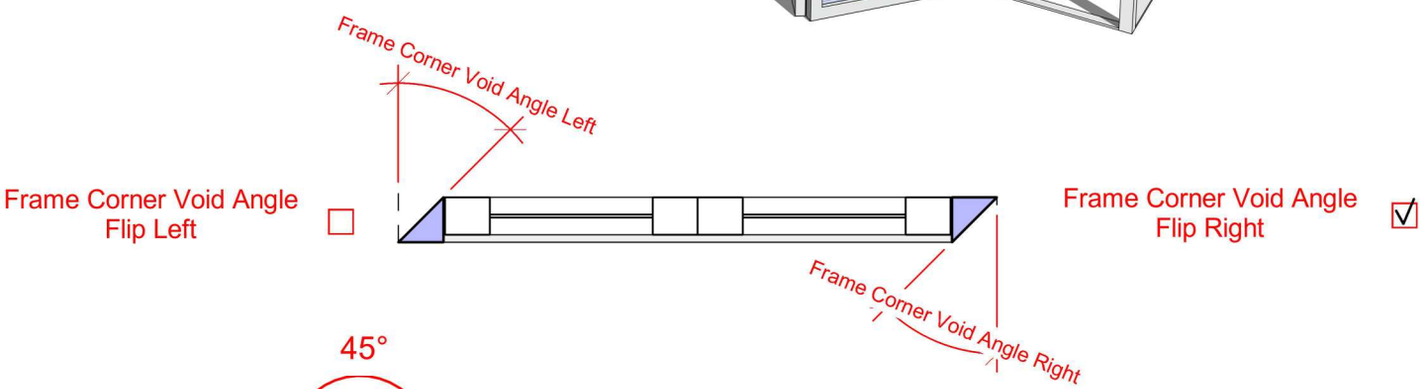






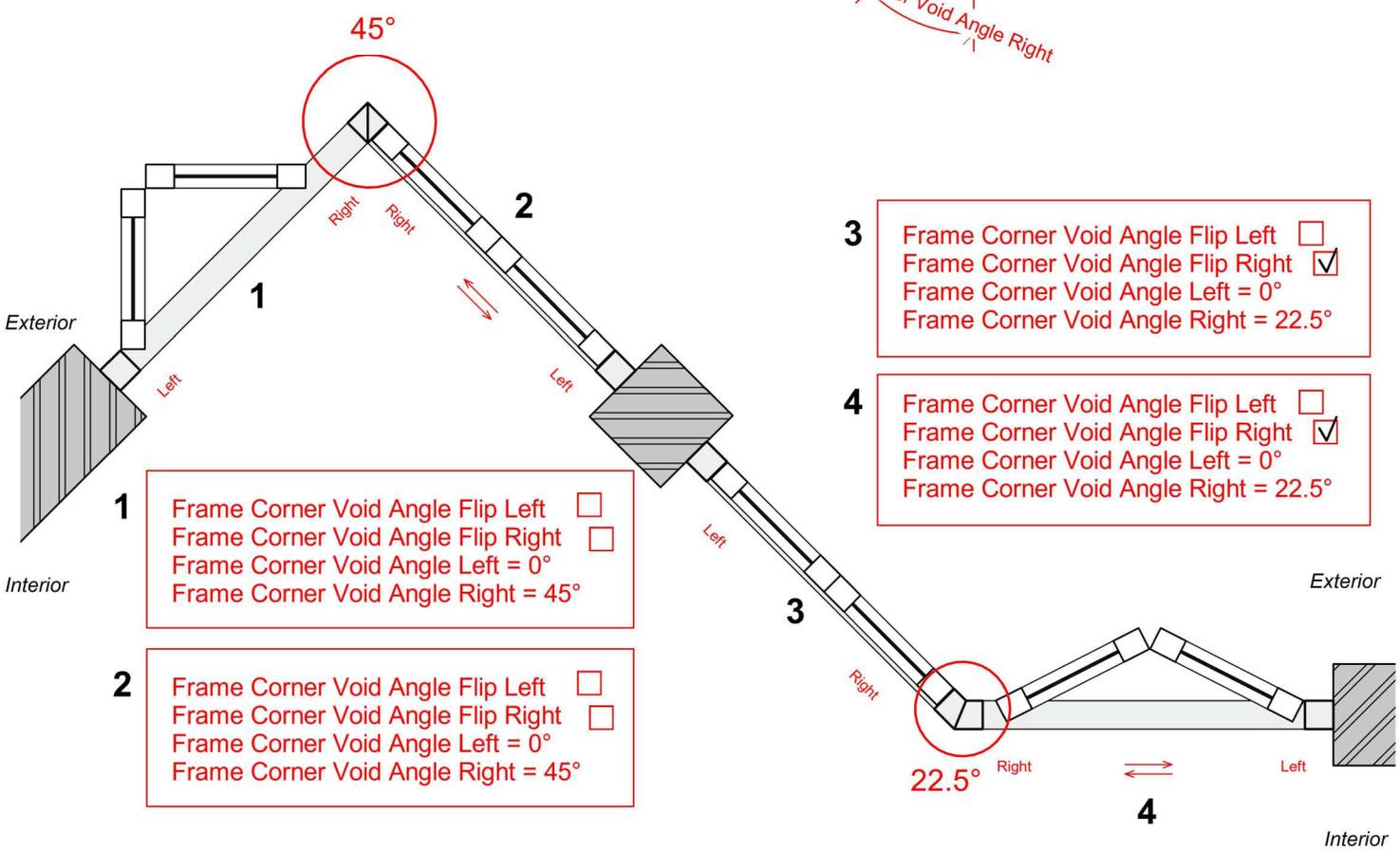
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Frame Corner Void Angle Flip Left ☐

Frame Corner Void Angle Flip Right ☑



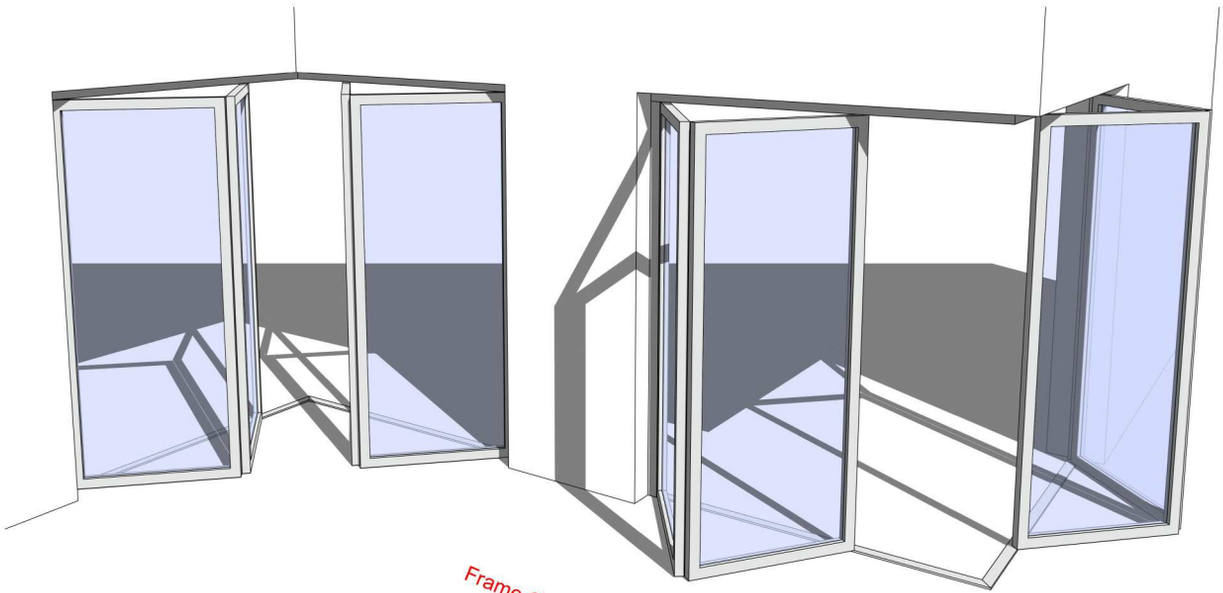
1
Frame Corner Void Angle Flip Left ☐
Frame Corner Void Angle Flip Right ☐
Frame Corner Void Angle Left = 0°
Frame Corner Void Angle Right = 45°

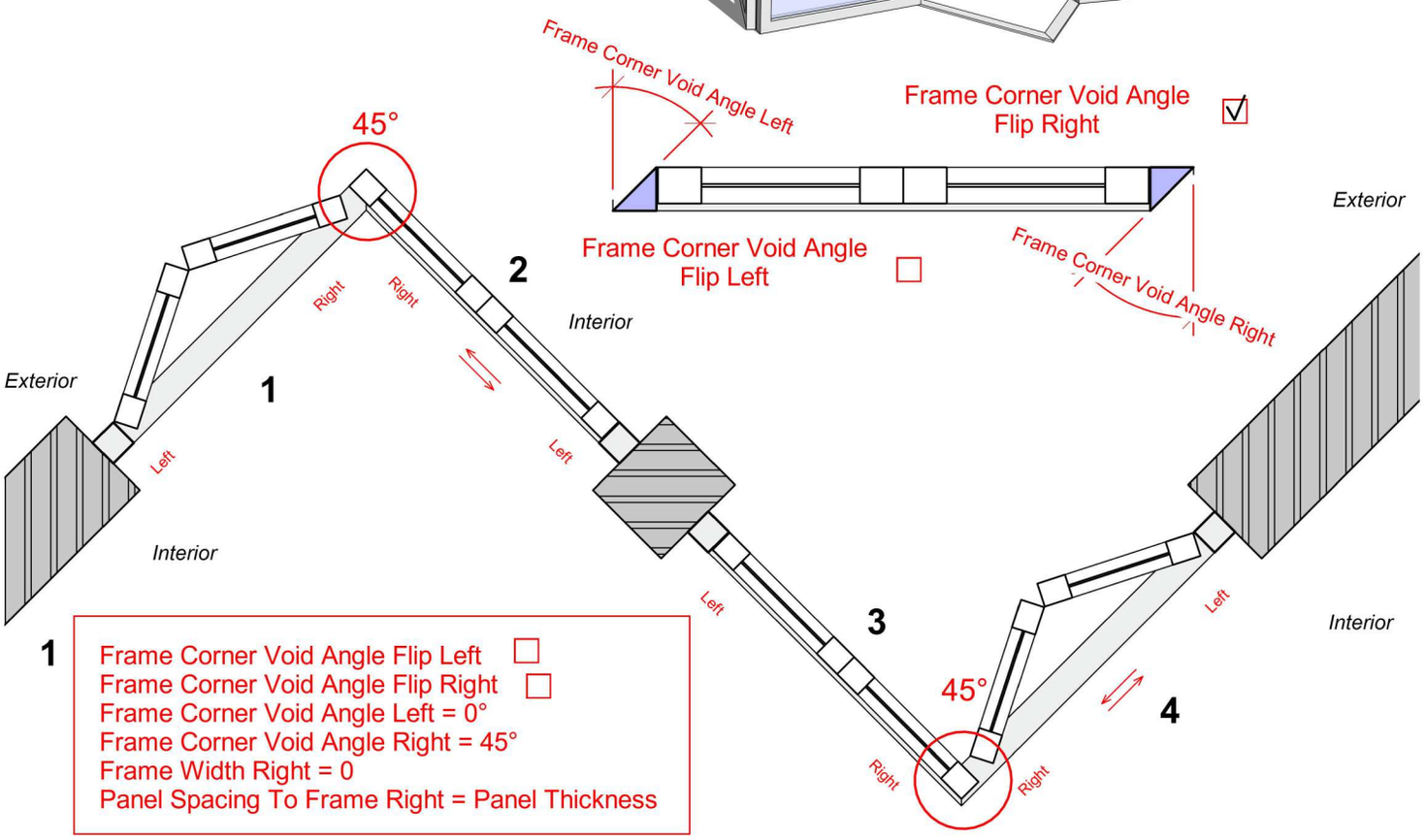
2
Frame Corner Void Angle Flip Left ☐
Frame Corner Void Angle Flip Right ☐
Frame Corner Void Angle Left = 0°
Frame Corner Void Angle Right = 45°

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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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 = 0
Panel Spacing To Frame Right = Panel Thickness

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 = 0
Panel Spacing To Frame Right = 0

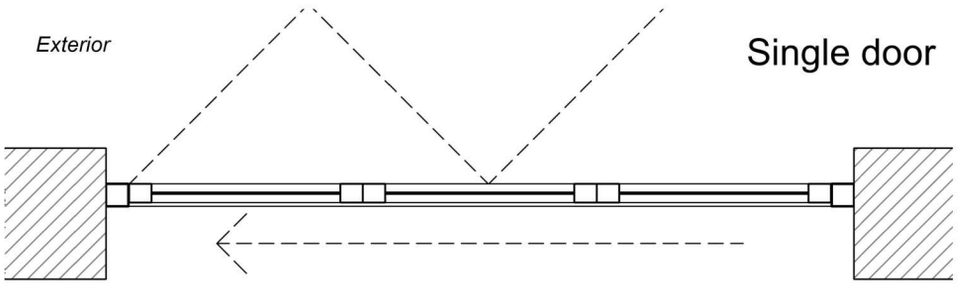
3

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 = 0
Panel Spacing To Frame Right = Frame Depth - Panel Thickness

4

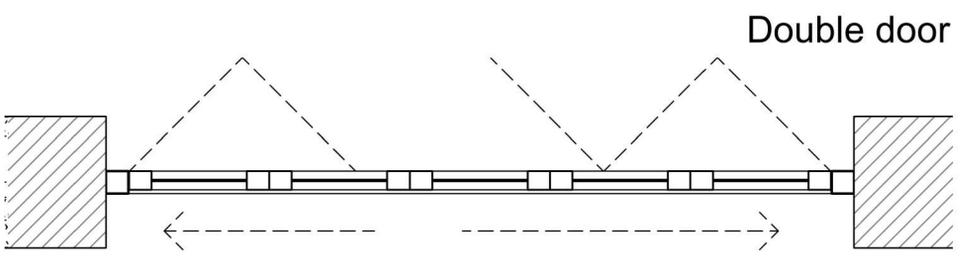
Frame Corner Void Angle Flip Left ☐
Frame Corner Void Angle Flip Right ☑
Frame Corner Void Angle Left = 0°
Frame Corner Void Angle Right = 45°
Frame Width Right = 0
Panel Spacing To Frame Right = Frame Depth

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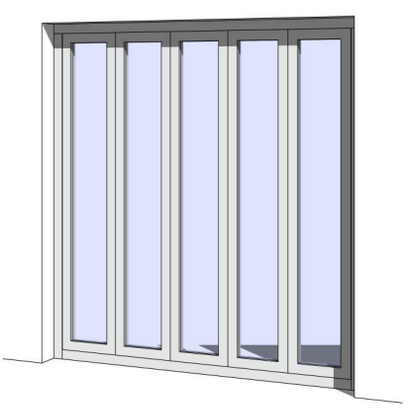
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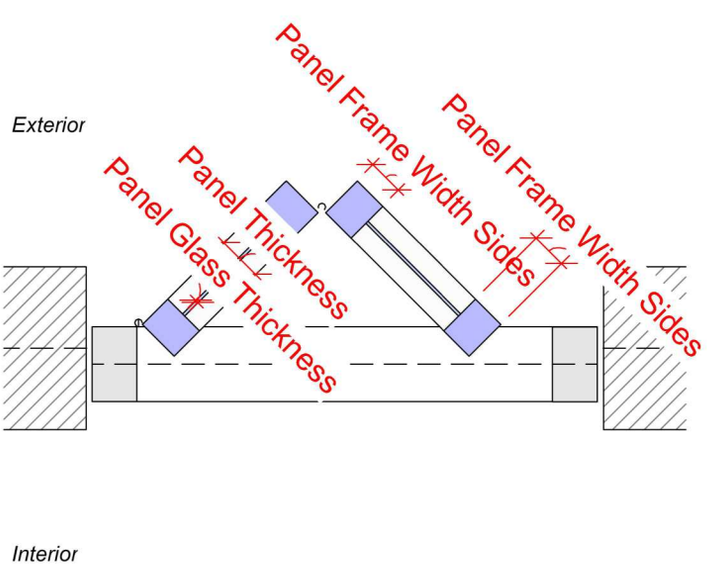


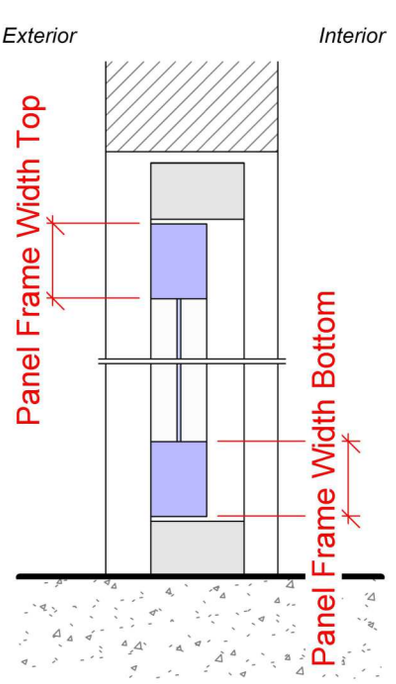


Panel Count Left = 2

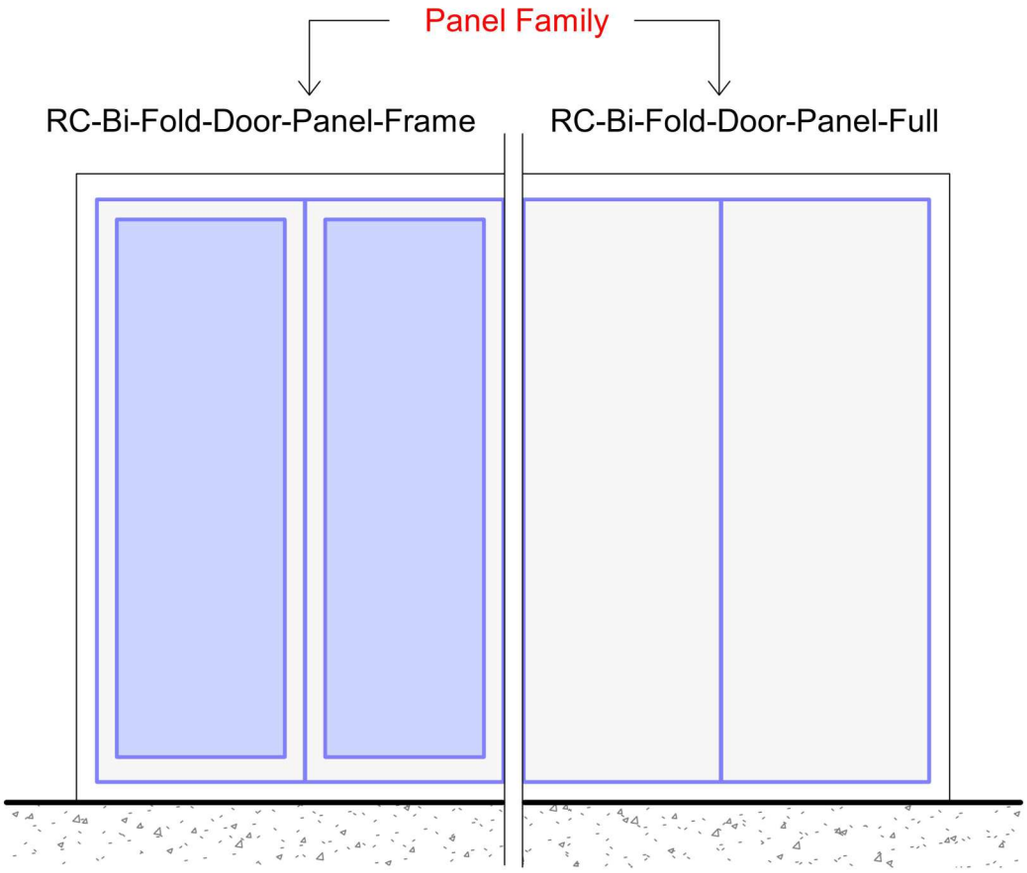
Panel Count Right = 3



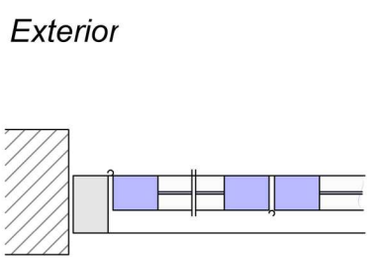




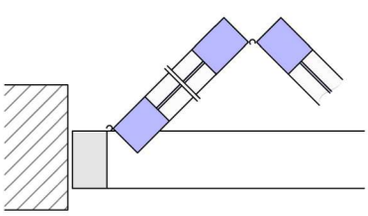
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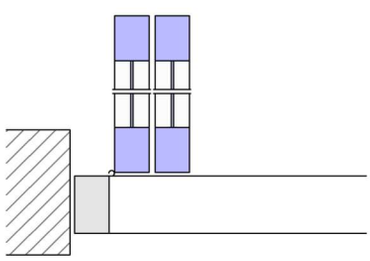
Exterior



Panel Opening % = 0%



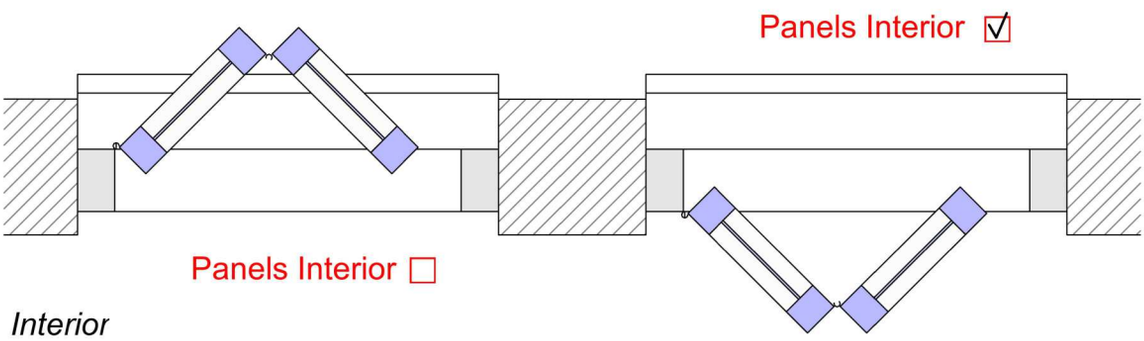
Panel Opening % = 50%



Panel Opening % = 100%

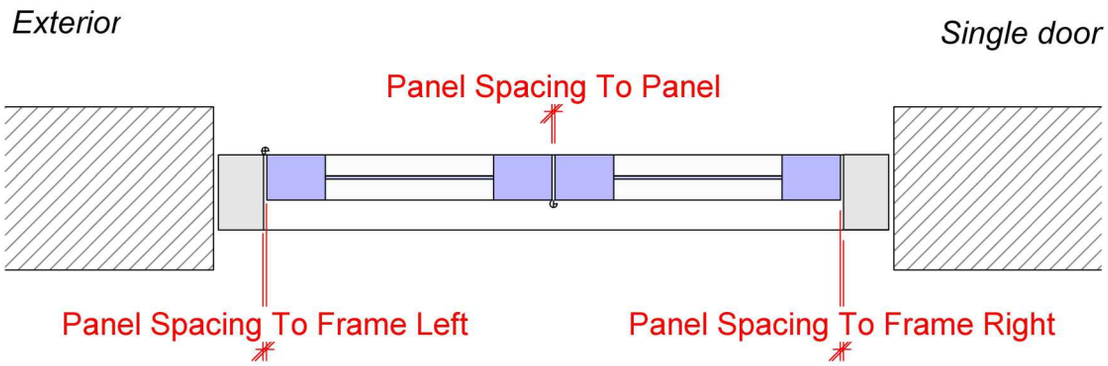
Interior

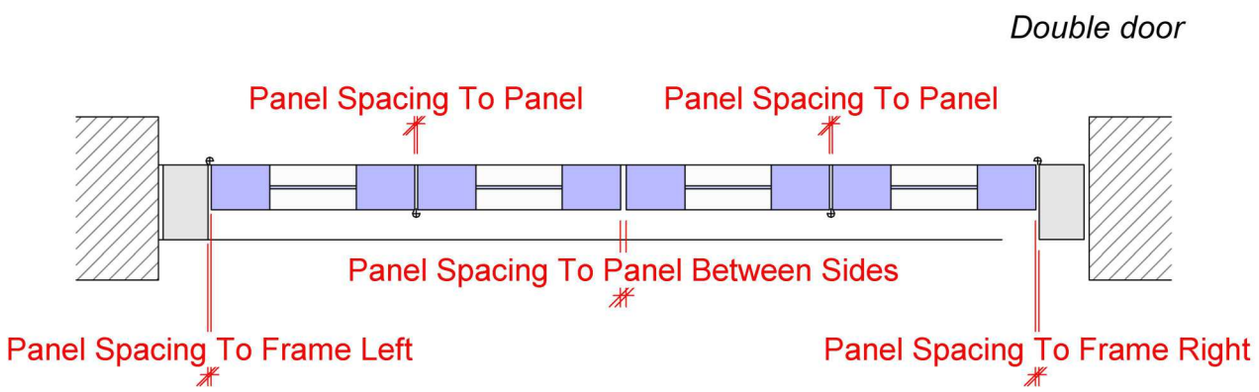
Exterior

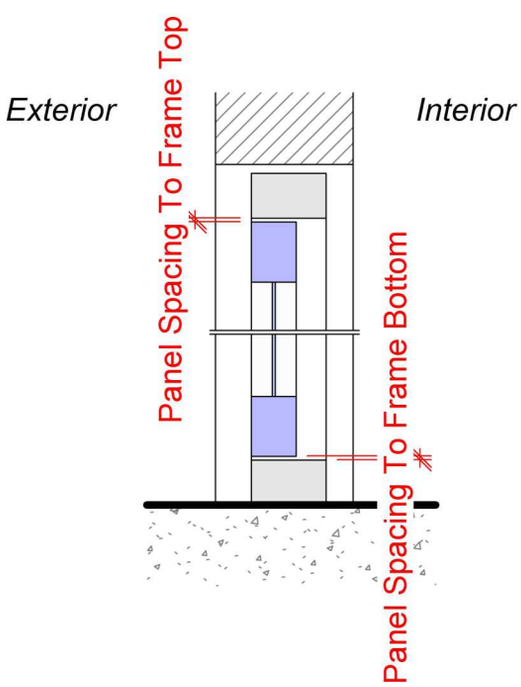


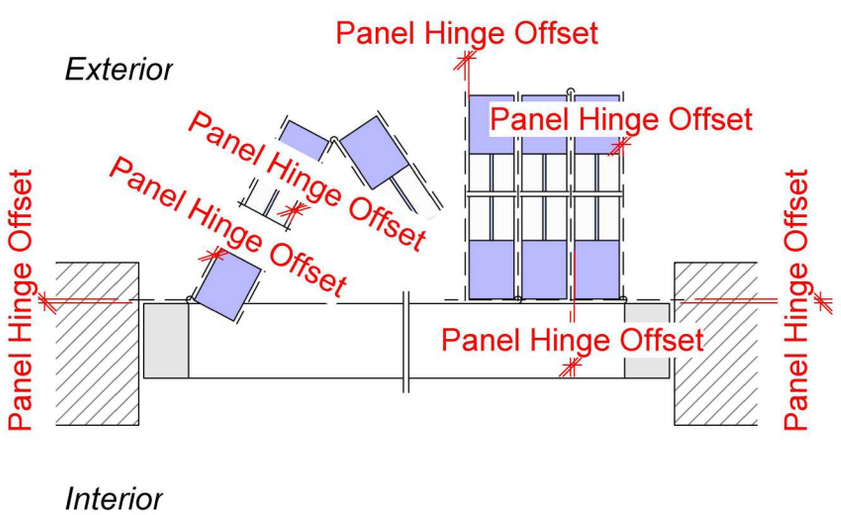
Interior

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Panel Glazing Bar Count Horizontal = 5

Panel Glazing Bar Count Vertical = 3

Panel Glazing Bars Locked Bottom ☑

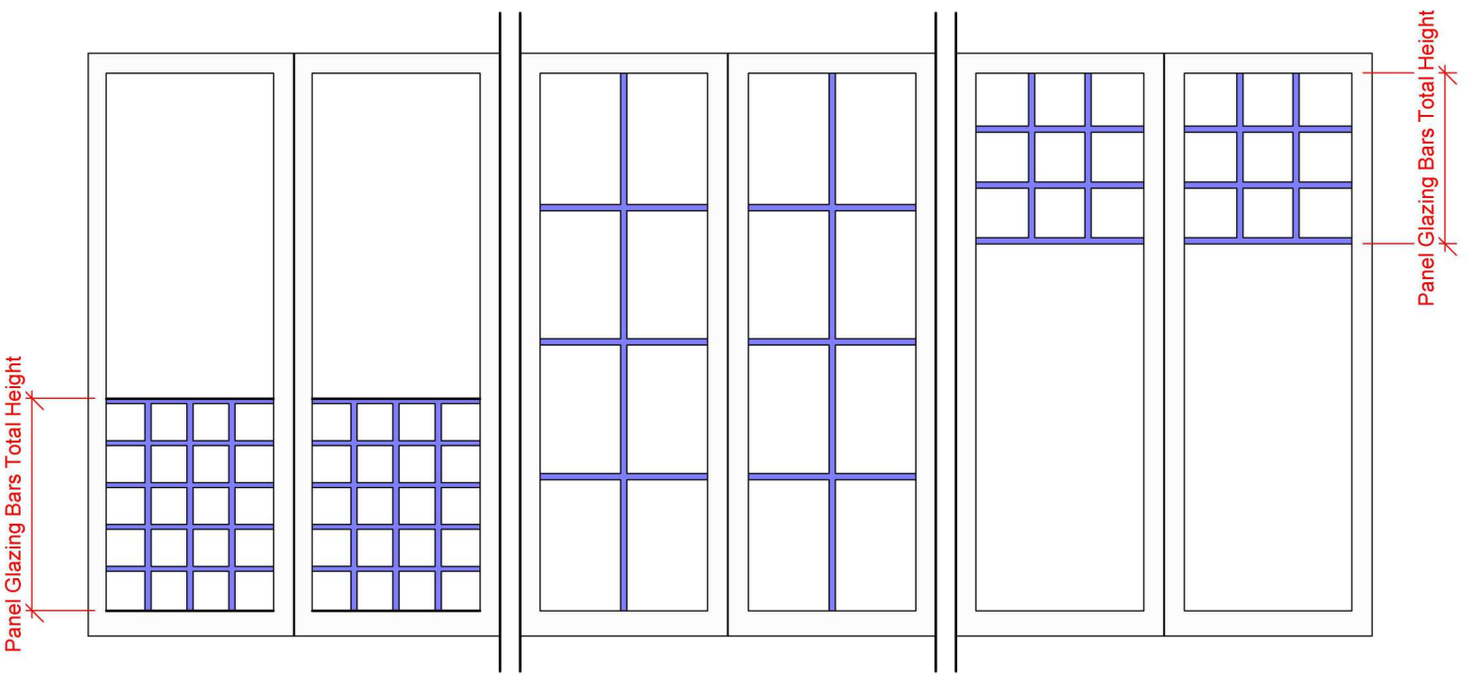
Panel Glazing Bars Locked Top ☐

Panel Glazing Bar Count Horizontal = 3

Panel Glazing Bar Count Vertical = 2

Panel Glazing Bars Locked Bottom ☐

Panel Glazing Bars Locked Top ☑

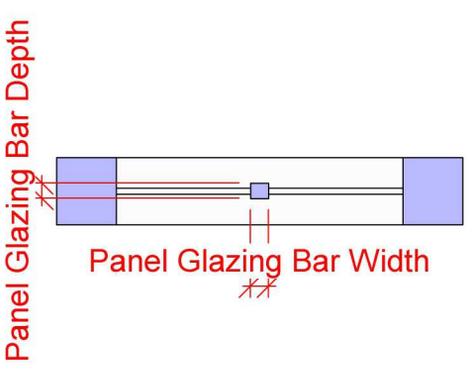


Panel Glazing Bar Count Vertical = 1

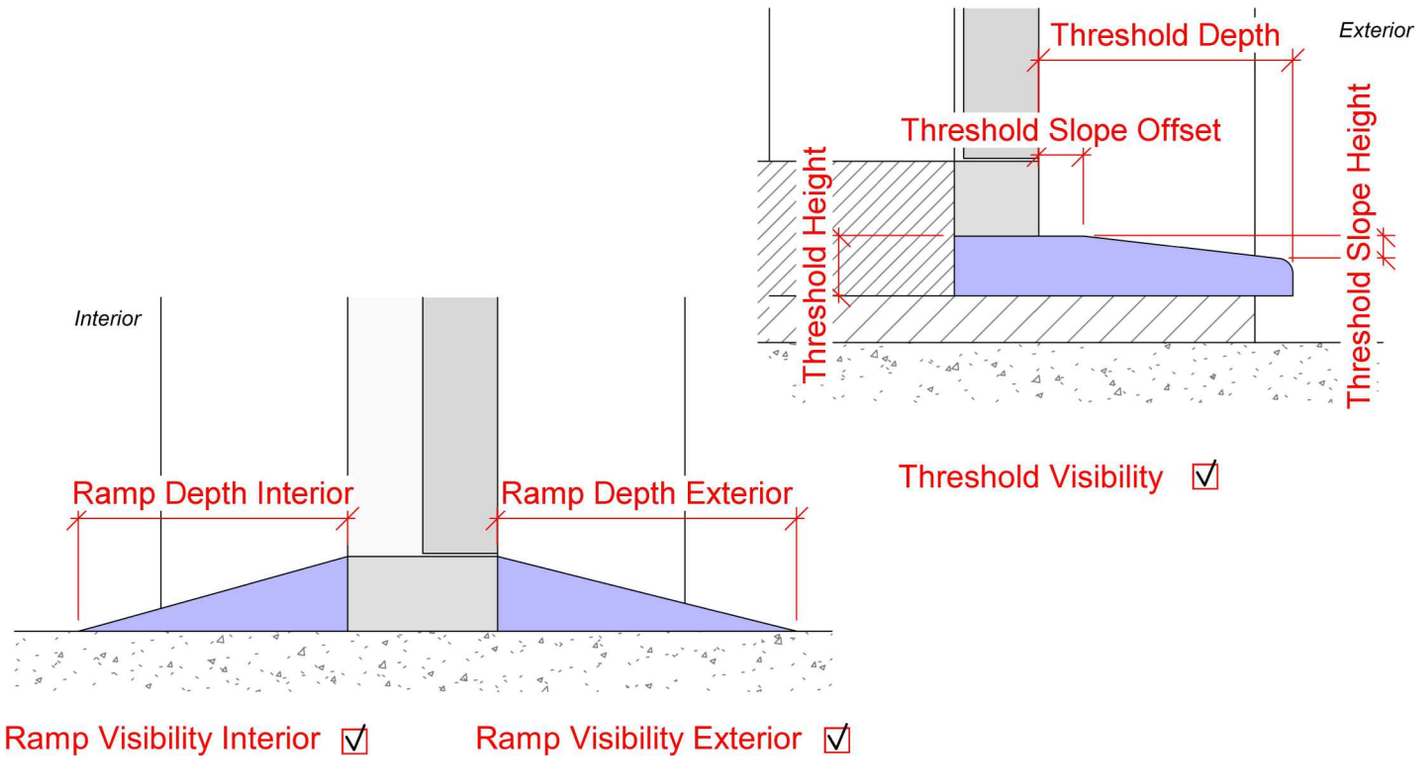
Panel Glazing Bar Count Horizontal = 3

Panel Glazing Bars Locked Bottom ☑

Panel Glazing Bars Locked Top ☑

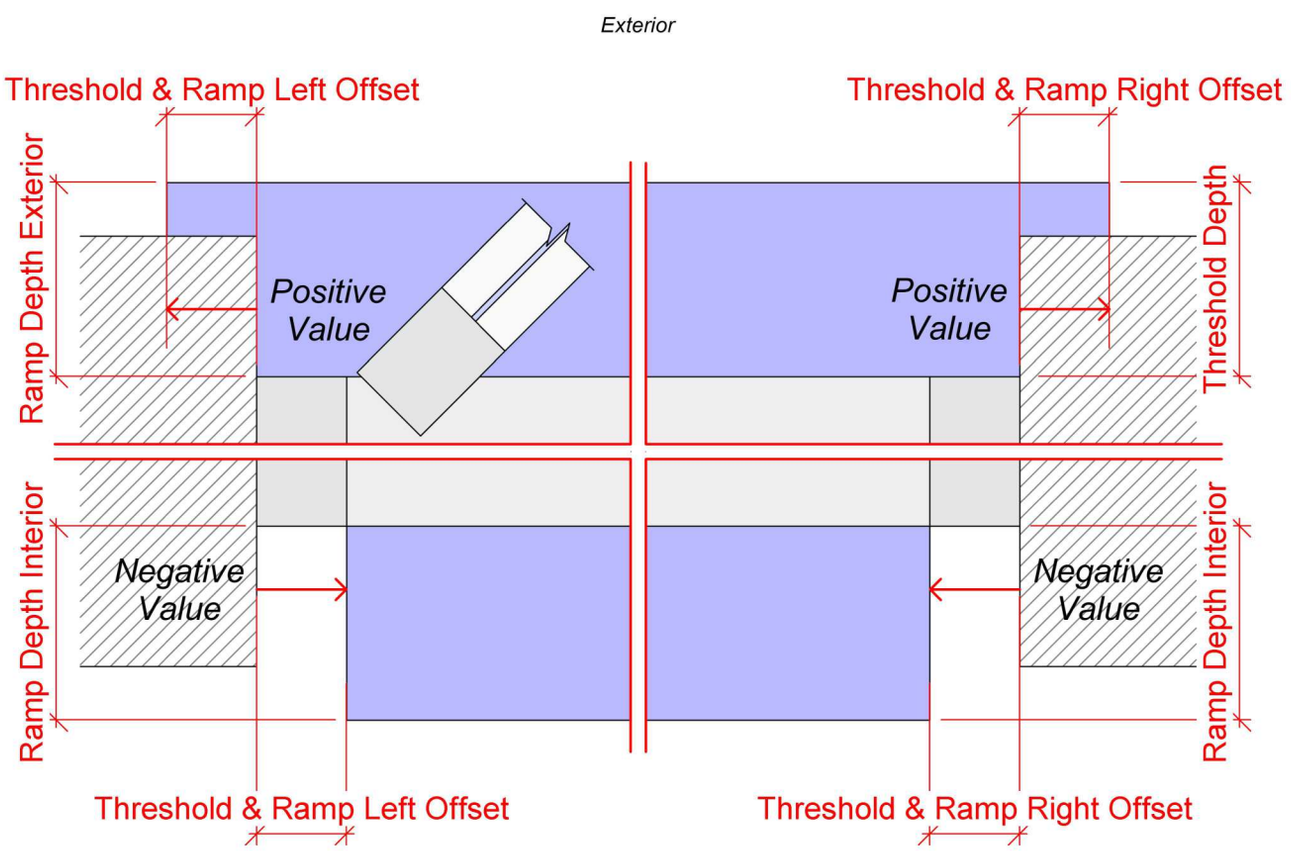


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Threshold Visibility ☑

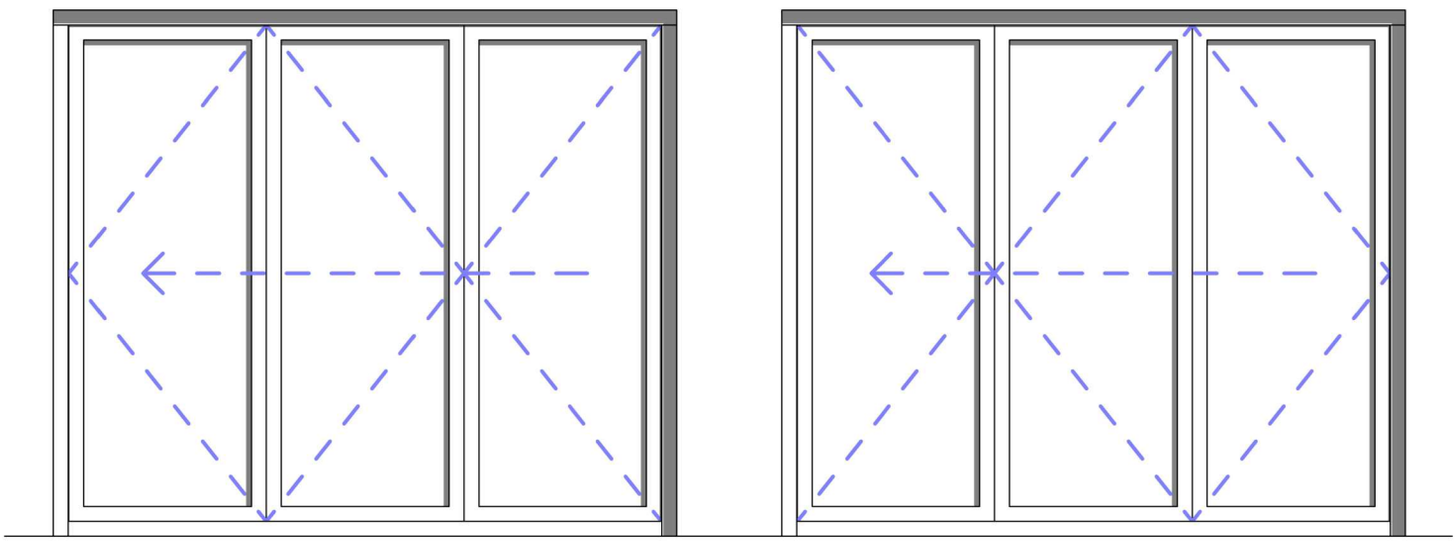
Ramp Visibility Interior ☑ Ramp Visibility Exterior ☑



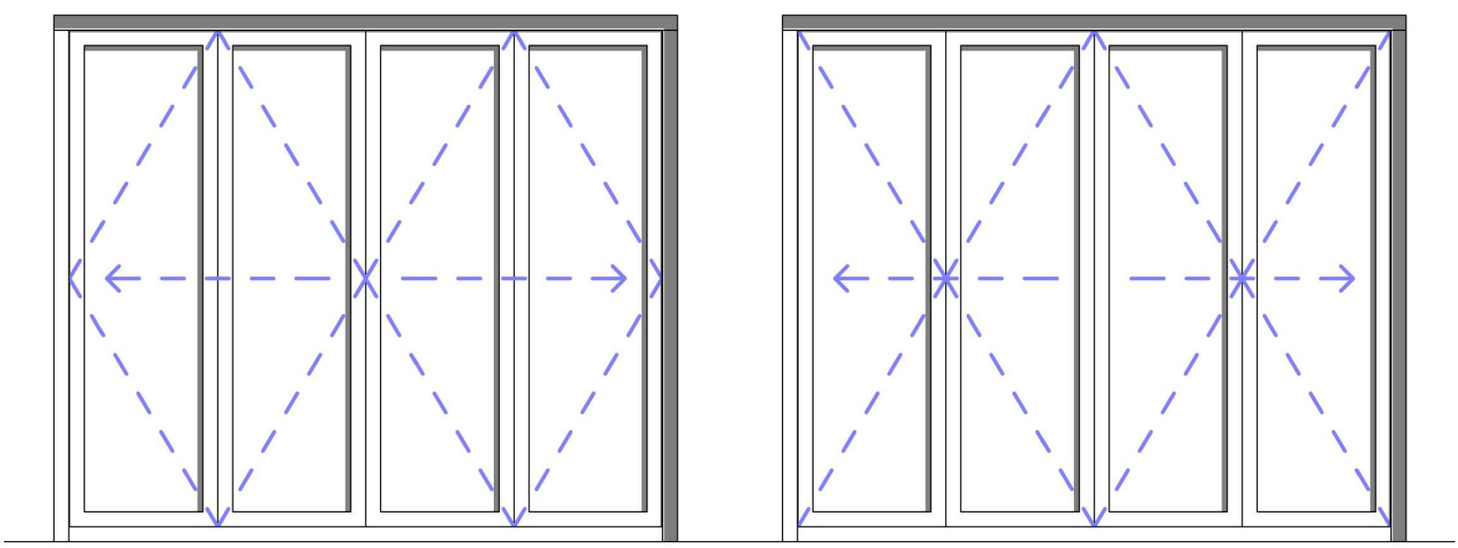
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Note: For the symbolic lines of the elevation to be visible, the Panel Opening % parameter must be set to 0

Single door

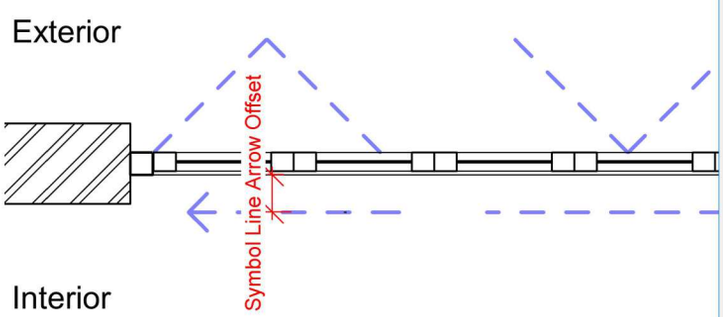


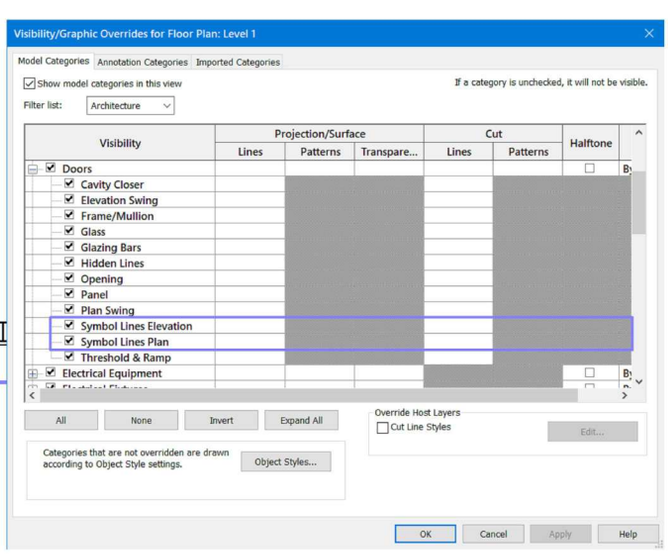
Double door



Symbol Line Visibility Elevation From Hinge ☑

Symbol Line Visibility Elevation From Hinge ☐

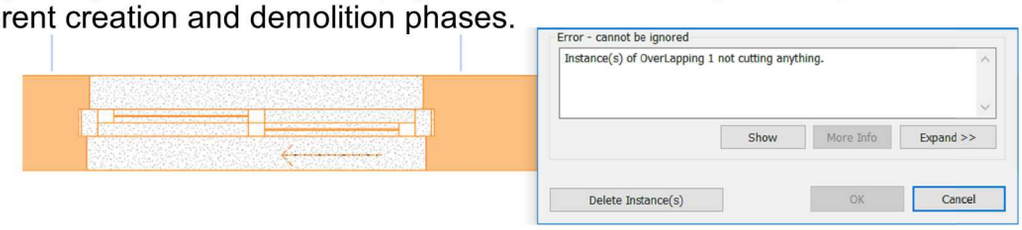




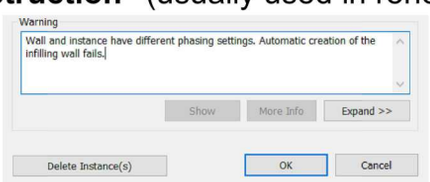
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Instead of the simple opening tool, this family uses various voids for the wall opening, to provide features like rough distance, render offsets, and taper reveals. This causes issues in the following scenarios:

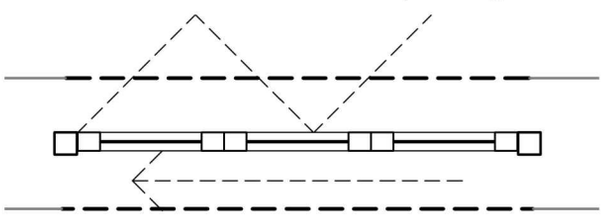
1. When placing the same window (copied instance or newly loaded) in the exact same place with different creation and demolition phases.



2. Getting a warning when host wall has **"Phase Created: Existing"**, and window has **"Phase Created: New Construction"** (usually used in renovation).



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

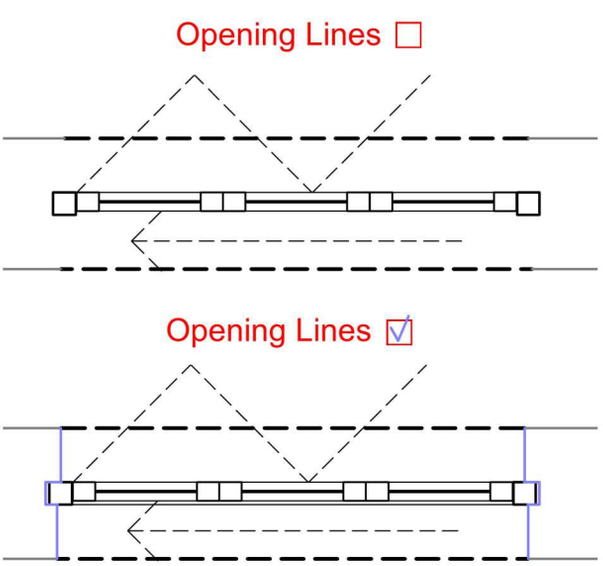


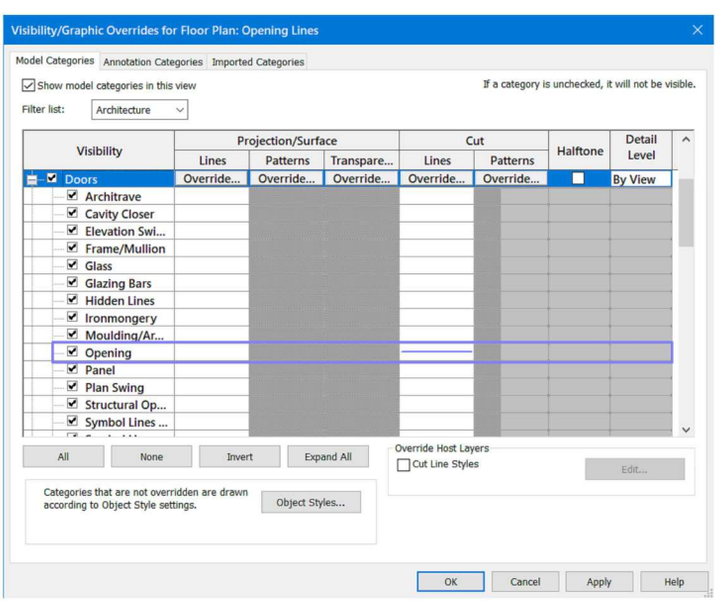
Solutions:

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. Apply a small distance to the **Opening Void Offset Exterior** (type parameter) (min 0,2 mm/0,55 decimal inches)

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



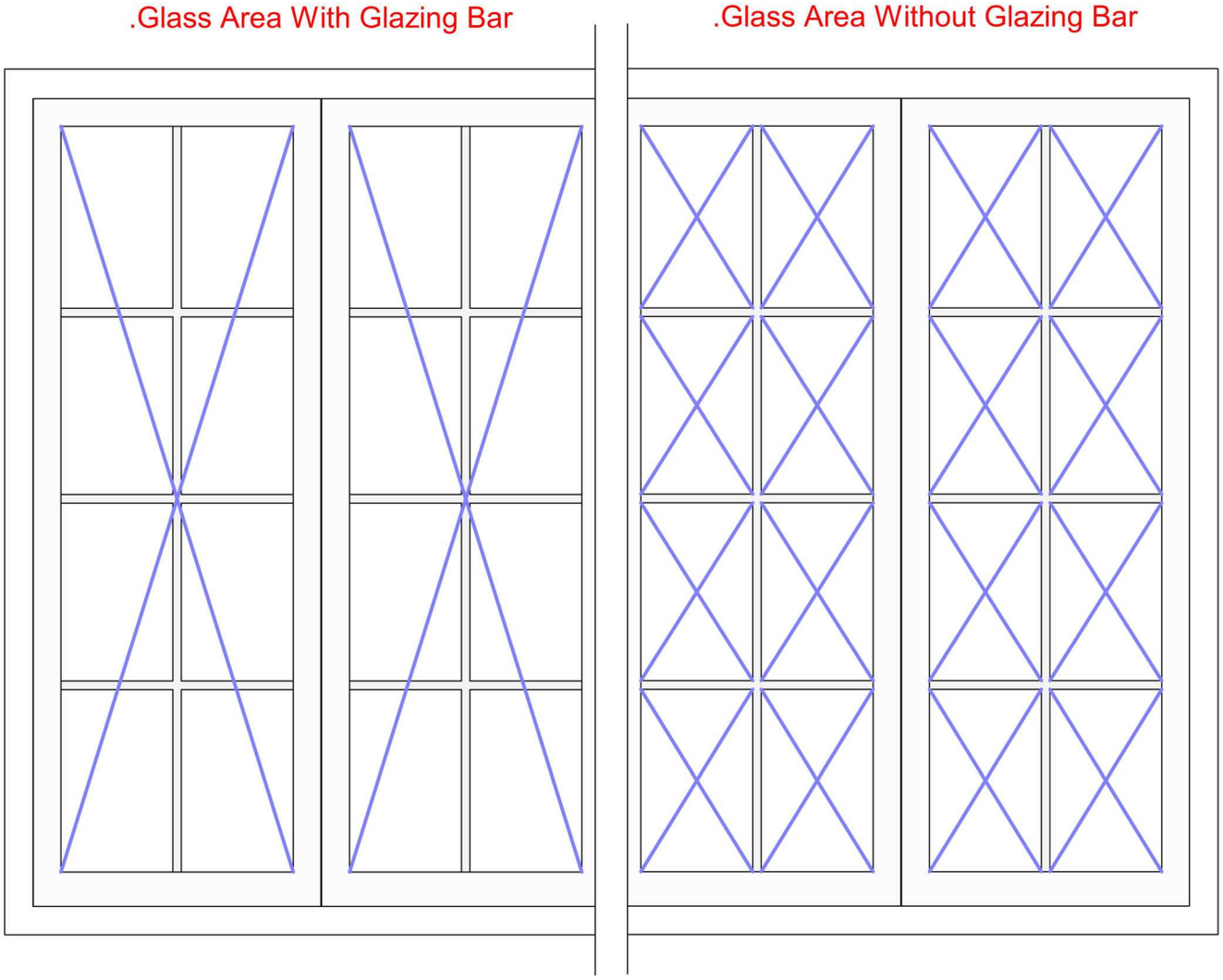


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.Bay Frame
.Rough Height
.Rough Width
.Door Panel Thickness
.Frame Depth
.Panel Double Glazing

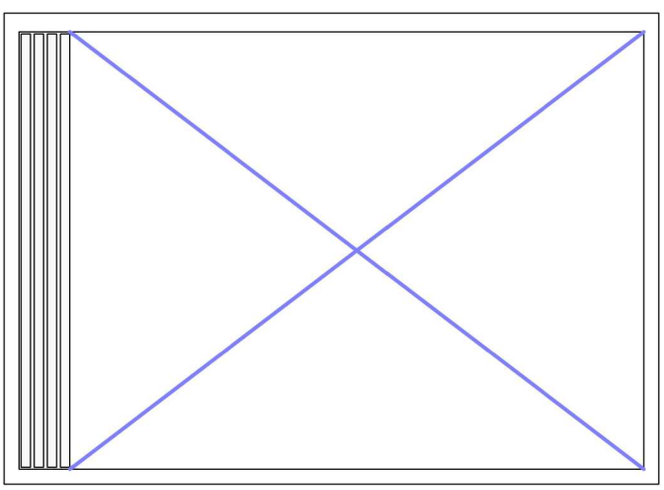
.Glass Area With Glazing Bar

.Glass Area Without Glazing Bar

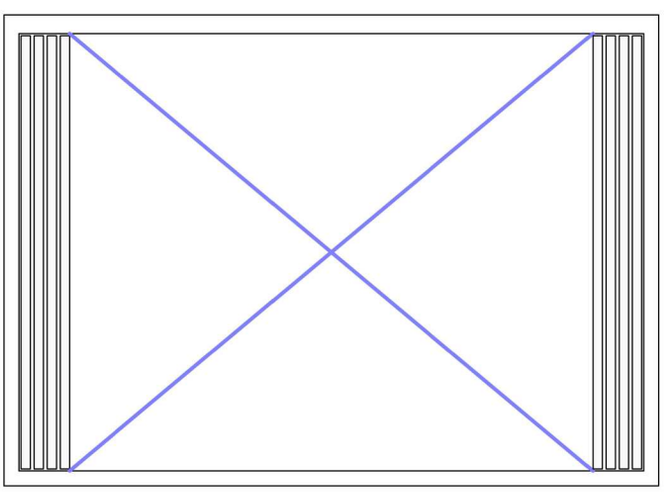


.Opening Area

Single door



Double door



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