MODERN Type Properties Parameters

==Constraints== contains all the available Revit lite cut options. If no SDL(Simulated Divided Lites) bars are needed, please go to the Graphics section ==to remove muntin visibility==.
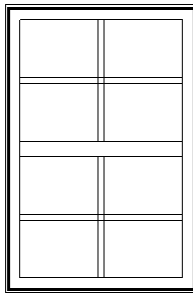
The first section lists the three lite cut options :

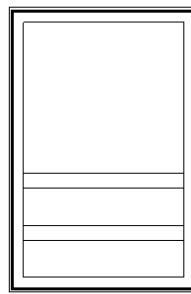| Constraints	
Note to User_Lite Pattern Type	Enter Option Choice 1-3
Option Choice_Lite Pattern Type	3
Option Choice_Lite Pattern Constraint	3
Rectangular Option 1	☐
Simulated Rail Rectangular Option 2	☐
Simulated Frame Option 3	☑
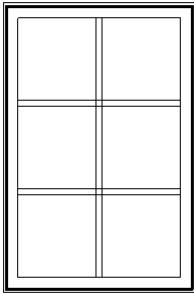
==Option 1==:   ==Option 2==:   ==Option 3==:

The next section contains parameters is for ==Option 1== and will not adjust the window or door if it is not selected (Option Choice_Lite Pattern Type from above must be 1). The width of the bar can be adjusted as well as how many lites wide and how many lites high **Max of 2W2H for the 2 7/8" bar** :

1_Rectangular Parameters	Rectangular Values
Option Choice_SDL Width_Rectangular	2
Option Choice_SDL Width_Constraint	2
0.875 SDL Option 1	☐
1.125 SDL Option 2	☑
2.875 SDL Option 3	☐
Lites Wide Rectangular	2
Lites High Rectangular	3

Lite Cut ==Option 2== can be adjusted in the section following that. The wider horizontal bar or "Simulated Rail" is an unadjustable 2 7/8". The bars above and below it are set at 1 1/8" shown in gray but if 7/8" is needed, the "0.875 SDL Top_Bottom" parameter can be checked to change it. Simulated Rail placement is determined by a ratio if "Rail Height by Ratio" is checked with the division of that ration set by "Rail Custom Ratio". The image below shows an equal division with 0.500000. Another way to determine that wide bar's placement is by entering the top daylight

opening which will be the dimension from the from the bottom edge of the top rail or frame for a Direct Glaze to the top edge of the wide bar. First uncheck the "Rail custom DLO Top" parameter and then type in the dimension needed in the "Rail Custom DLO Top" field (this option is not pictured). The last four parameters of this section are for the narrower bars :

2_Simulated Rail Rect Parameters	Simulated Rail Rect Values
0.875 SDL Top_Bottom	☐
1.125 SDL Top_Bottom	☑
2.875 Simulated Rail	☑
Rail Height by DLO Top	☐
Rail Height by Ratio	☑
Rail Custom DLO Top	1' 6"
Rail Actual DLO Top	1' 10 201/256"
Rail Custom Ratio	0.500000
Rail Actual Ratio	0.500000
Lites Wide Top	2
Lites High Top	2
Lites Wide Bottom	2
Lites High Bottom	2

The last section, <mark>Option 3</mark>, is for the Simulated Frame look. Multiple 2 7/8" bars can be used as long the distance between one bar to another is 7" or more and all must run in one direction. If the bars are to be placed with equal spacing between them, please check the "Equal Lite Cut" parameter. If it is unchecked, the daylight opening between bars or bar and rail can be specified. As the default is 3 Lites High in the image, the Lite Height 1 of 7" is the bottom and the Lite Height 2 above that is 7" as well. The rest of the dimension parameters can be ignored and the bottom parameter will calculate the remaining daylight opening although that is shown at the top of the lite cut :

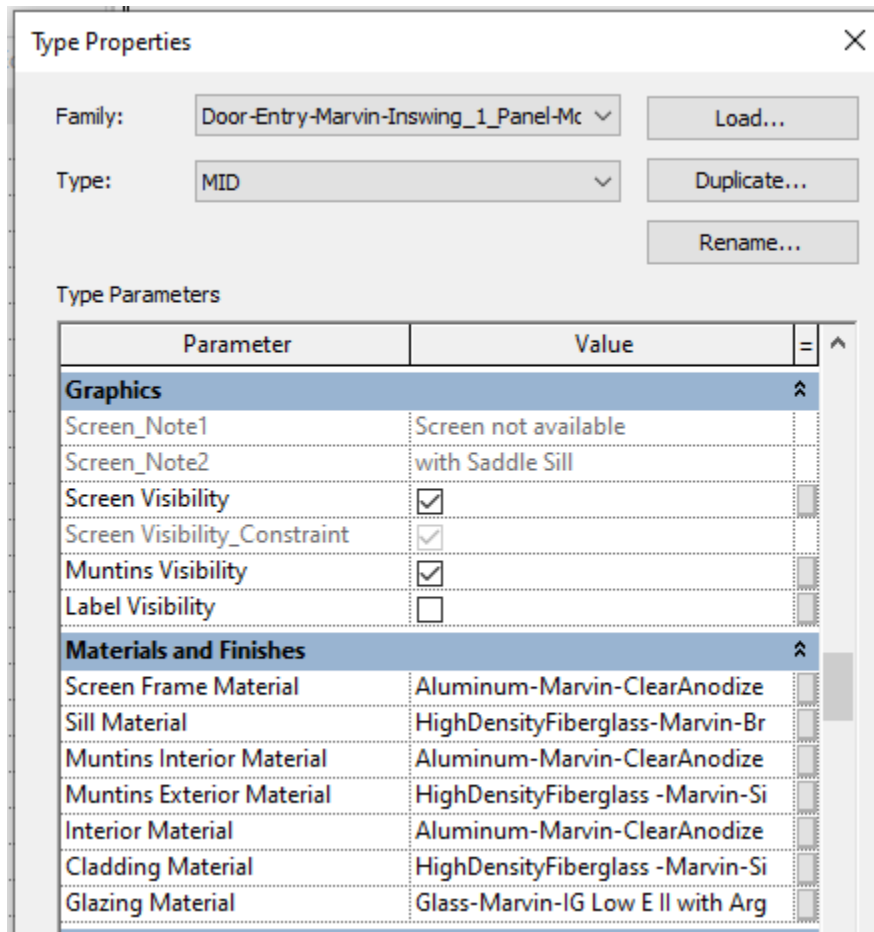| 3_Simulated Frame Parameters	Simulated Frame Values
2.875 SDL	☑
Equal Lite Cut	☐
Note to User_Lites Wide	MultiW Lites only if Lites High = 1
Lites Wide	1
Lites Wide Constraint	1
Note to User_Lites High	MultiH Lites only if Lites Wide = 1
Lites High	3
Lites High Constraint	3

Lite Minimum Constraint	0' 7"
Lite Width 1	0' 7"
Lite Width 1_Constraint	0' 7"
Lite Width 2	0' 7"
Lite Width 2_Constraint	0' 7"
Lite Width 3	0' 7"
Lite Width 3_Constraint	0' 7"
Lite Width 4	0' 7"
Lite Width 4_Constraint	0' 7"
Lite Width 5	0' 7"
Lite Width 5_Constraint	0' 7"
Lite Width Last	-0' 10 23/128"
Lite Height 1	0' 7"
Lite Height 1_Constraint	0' 7"
Lite Height 2	0' 7"
Lite Height 2_Constraint	0' 7"
Lite Height 3	0' 7"
Lite Height 3_Constraint	0' 7"
Lite Height 4	0' 7"
Lite Height 4_Constraint	0' 7"
Lite Height 5	0' 7"
Lite Height 5_Constraint	0' 7"
Lite Height Last	2' 8 25/128"

Construction allows to turn on the Interior Frame Filler trim visibility and to change the glass thickness, if needed, as well as the Lock Status Sensor if that is an option :

Construction		⨠
Interior Frame Filler Visibility	☐	
0.9375 Insulated Glass	☑	
1.25 Insulated Glass	☐	
Insulated Glass Thickness	0' 0 15/16"	
Lock Status Sensor	☐	
Default Head Height	8' 0"	
Wall Closure	By host	
Construction Type		

As previously mentioned, ==Graphics== is where the ==muntin visibility can be turned off== by unchecking that parameter's checkbox. ==Materials and Finishes== allows for customizing the color or finish.

Another important set of parameters is the Dimensions. Modern doesn't have standard sizes associated with their products so min/max dimensions are listed. If assembly families are being used, please note that the assembly size/configuration will need to be approved :

Dimensions

Daylight Area	10.24 SF
Rough Height	4' 6 3/4"
Rough Width	3' 1 1/2"
Height	4' 6"
Height Constraint	4' 6"
Width	3' 0"
Width Constraint	3' 0"
Height Min Line1	16 in.
Height Min Line2	if Lock Status Sensor 18.5 in.
Height Max Line1	108 in. with max 32 in. Width
Height Max Line2	102 in. with max 36 in. Width
Height Max Line3	96 in. with max 40 in. Width
Height Max Line4	92 in. with max 44 in. Width
Width Min	20 in.
Width Max	44 in.

Properties

Window-Casement-Marvin-Crank_Out-Modern-MultiW_2H
MCACRK

Windows (1) — Edit Type

Constraints	
Level	Level 1
Sill Height	1' 0 233/256"
Construction	
Inset to Installation Flange	0' 1"
Installation Flange Visibility	☑
Graphics	
Plan Swing Angle	15.00°
Structural	
Disclaimer line1	Verify assembly availability
Disclaimer line2	with a Marvin representative
Identity Data	
Image	
Comments	
Mark	44
Phasing	
Phase Created	New Construction
Phase Demolished	None
IFC Parameters	
IFC Predefined Type	