

Mardome Smoke Vent

TB296

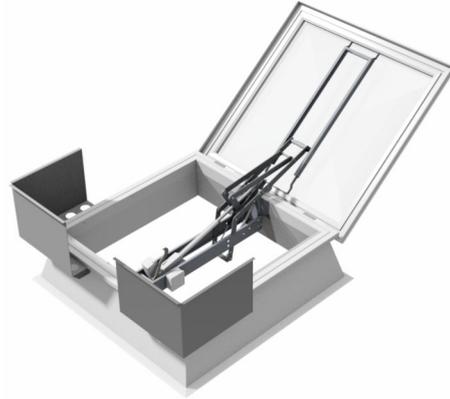
Guidance for using the Mardome TRADE SV
BIM Revit Objects

Guide for using Mardome TRADE SV Smoke Vent BIM Object for Revit

The Mardome TRADE SV BIM Object has been created as a Revit Family (.rfa).

It is available in a large number of sizes which can be selected when loading the Mardome TRADE SV rfa into a project and further configured within the project (see STEP 5 for configuration criteria).

The configuration data is contained within a .txt file of the same name which must remain in the same file location as the .rfa file.

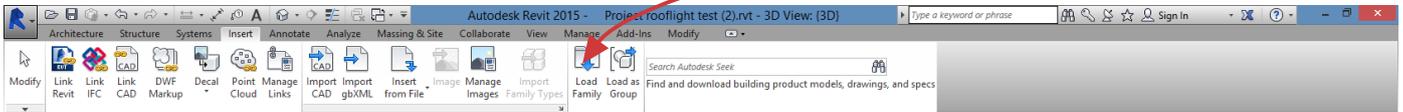


Step 1

Save the BMDS_Mardome TRADE SV.rfa file with the corresponding .txt file into your Revit Family Object folder.

Step 2

Load the Mardome TRADE SV.rfa file into your open project - Insert tab >> Load Family



Step 3

At this stage you now need to decide on which sizes you require, you can select and load multiple options at the same time if required. The example below shows two sizes selected (the 1200x1200 and 1650x1350).

Specify Types						
Family:	Types:					
BMDS_Mardome TRADE SV (^)	Type	Size	Width	Length	Shape	DaylightSize
		(all)	(all)	(all)	(all)	(all)
	Mardome Trade SV 1050 x 1050	1050 x 1050	1050.0	1050.0	Square	900 x 900
	Mardome Trade SV 1200 x 1050	1200 x 1050	1200.0	1050.0	Rectangular	1050 x 900
	Mardome Trade SV 1200 x 1200	1200 x 1200	1200.0	1200.0	Square	1050 x 1050
	Mardome Trade SV 1350 x 1050	1350 x 1050	1350.0	1050.0	Rectangular	1200 x 900
	Mardome Trade SV 1350 x 1200	1350 x 1200	1350.0	1200.0	Rectangular	1200 x 1050
	Mardome Trade SV 1350 x 1350	1350 x 1350	1350.0	1350.0	Square	1200 x 1200
	Mardome Trade SV 1500 x 1050	1500 x 1050	1500.0	1050.0	Rectangular	1350 x 900
	Mardome Trade SV 1500 x 1200	1500 x 1200	1500.0	1200.0	Rectangular	1350 x 1050
	Mardome Trade SV 1500 x 1350	1500 x 1350	1500.0	1350.0	Rectangular	1350 x 1200
	Mardome Trade SV 1500 x 1500	1500 x 1500	1500.0	1500.0	Square	1350 x 1350
	Mardome Trade SV 1650 x 1050	1650 x 1050	1650.0	1050.0	Rectangular	1500 x 900
	Mardome Trade SV 1650 x 1200	1650 x 1200	1650.0	1200.0	Rectangular	1500 x 1050
	Mardome Trade SV 1650 x 1350	1650 x 1350	1650.0	1350.0	Rectangular	1500 x 1200
	Mardome Trade SV 1650 x 1500	1650 x 1500	1650.0	1500.0	Rectangular	1500 x 1350
	Mardome Trade SV 1650 x 1650	1650 x 1650	1650.0	1650.0	Square	1500 x 1500
	Mardome Trade SV 1800 x 1050	1800 x 1050	1800.0	1050.0	Rectangular	1650 x 900
	Mardome Trade SV 1800 x 1200	1800 x 1200	1800.0	1200.0	Rectangular	1650 x 1050
	Mardome Trade SV 1800 x 1350	1800 x 1350	1800.0	1350.0	Rectangular	1650 x 1200
	Mardome Trade SV 1800 x 1500	1800 x 1500	1800.0	1500.0	Rectangular	1650 x 1350
	Mardome Trade SV 1800 x 1650	1800 x 1650	1800.0	1650.0	Rectangular	1650 x 1500
	Mardome Trade SV 1800 x 1800	1800 x 1800	1800.0	1800.0	Rectangular	1650 x 1650

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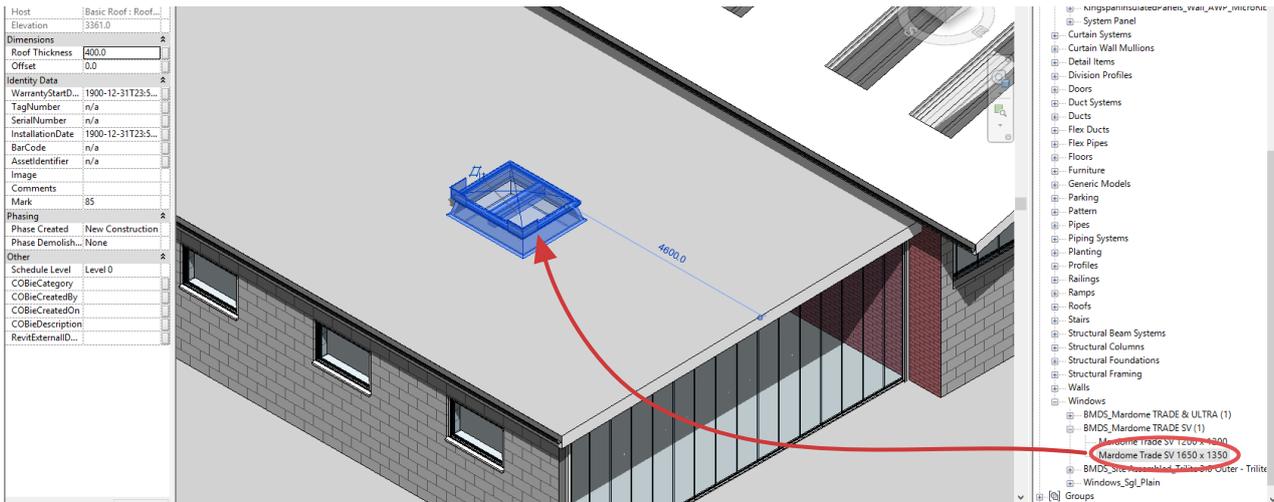
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Step 4

When you have selected your type(s) select OK.

The object(s) will now be available for use from the Project Browser, under Families >> Windows >> Mardome TRADE SV

Drag directly from the Project Browser onto the required roof. (max roof pitch for Mardome TRADE SV is 15°).



Step 5

The Mardome TRADE SV Family Type you have selected can now be further configured to the specific type you require. Select the object to be configured then select Type Properties and configure as follows:



Kerb Type
2 - Tall Kerb
3 - Builders Upstand*

Glazing Type
1 - Clear Double Skin
2 - Clear Triple Skin
3 - Textured Double Skin
4 - Textured Triple Skin
5 - Bronze Double Skin
6 - Bronze Triple Skin
7 - OPAL Double Skin
8 - OPAL Triple Skin

Dome or Pyramid
For Dome *tick*, for Pyramid *un-tick*

Wind Deflector
To have Wind Deflector *tick*,
to not have Wind Deflector *un-tick*

Parameter	Value
Constraints	
Default Elevation	0.0
Construction	
KerbType	2
GlazingType	3
Dome	<input checked="" type="checkbox"/>
WindDeflector	<input checked="" type="checkbox"/>
Construction Type	Mardome TRADE SV
Dome/Pyramid	Dome
KerbOption	Tall Kerb
GlazingOption	Textured Double Skin
WindDeflectorYes/No	Yes
Materials and Finishes	
Upstand	UHMW, White
Inner Frame	UHMW, White
Dome Pyramid	BMDS_natural clear
Dimensions	
Width	1500.0
Length	1350.0
Builders Upstand Height	225.0

Mardome configuration displayed here are used for scheduling, see STEP 6.

*If using Builders Upstand option - min 200mm upstand height required

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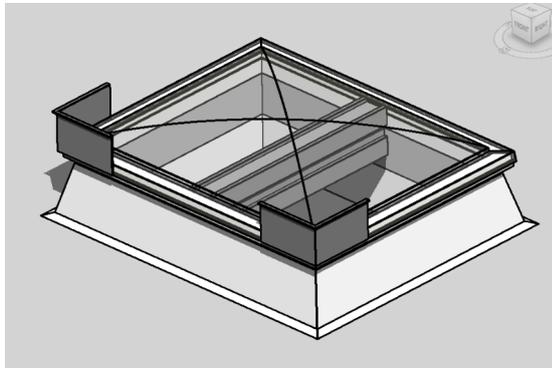
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Step 6

The Mardome TRADE SV Smoke Vent used in the project can be scheduled with the suggested parameters:

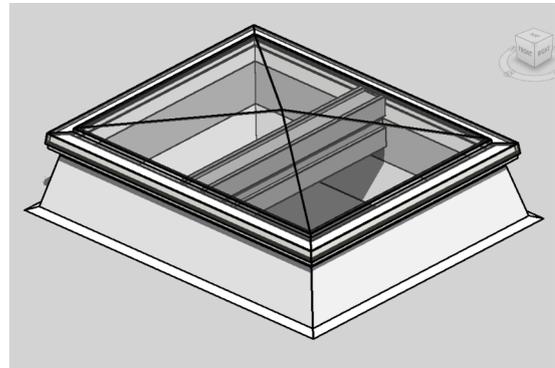
<Mardome TRADE SV>						
A	B	C	D	E	F	G
Manufacturer	Construction Type	Size	Dome/Pyramid	KerbOption	GlazingOption	WindDeflectorYes/No
Brett Martin Daylight Systems Ltd	Mardome TRADE SV	1650 x 1350	Dome	Tall Kerb	CLEAR Triple Skin	Yes

Render examples



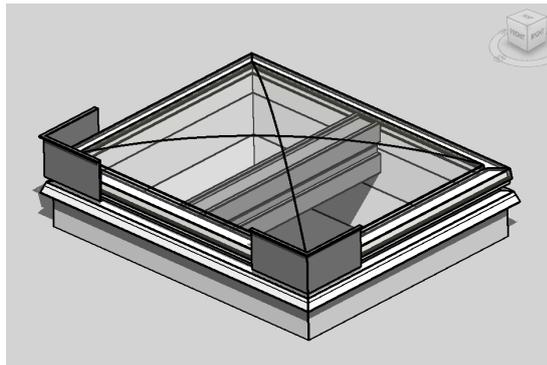
Mardome TRADE SV

Dome | Tall Kerb | Wind Deflectors



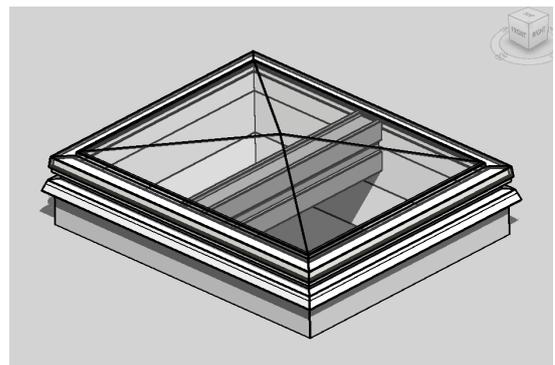
Mardome TRADE SV

Pyramid | Tall Kerb | No Wind Deflectors



Mardome TRADE SV

Dome | Builders upstand | Wind Deflectors



Mardome TRADE SV

Pyramid | Builders upstand | No Wind Deflectors

(note: the builders upstand is configured with the Mardome, min upstand height 200mm, if you configure your own upstand you can set the configured kerb height within the family object to a smaller value but needs to be >1)