MASTERPATIO – SLIDING SYSTEM

BIM MODELS

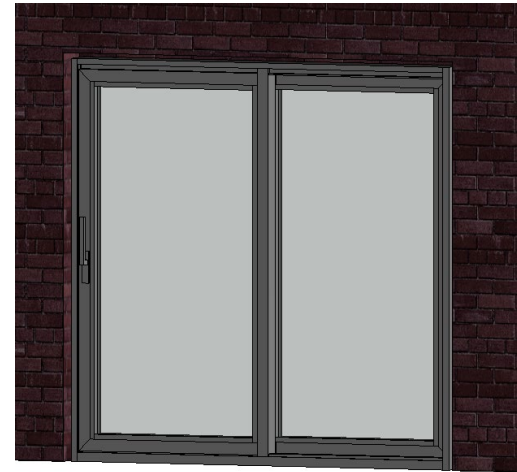Jaspers Eyers Architects – *Photo: Philippe Van Geloover*

REYNAERS
aluminium

MASTERPATIO– BIM MODELS

Building Information Modelling (BIM) is an intelligent 3D model-based process where building information is shared between all members involved in the building process. AEC professionals like architects, engineers, general contractors and fabricators use BIM to plan, design, construct and build in a more efficient way. Architects can use the Reynaers BIM models from the start of the conceptual design stage, for better visualization, all the way to the realisation of the building, generating window schedules with detailed info on the used elements.

The Reynaers BIM models are completely parametric and include different design types, building connections and optional add-ons such as sills and shutters.
All models are downloadable on the Reynaers architect website and the website of Bimobject.

On the next sheets, it's possible to find the guidelines for using the Reynaers BIM-models.

MASTERPATIO – SLIDING SYSTEM	
Thermal insulation	Uf = 1.3 W/m²K
Air tightness	Class 4 (600 Pa)
Water tightness	Class E1200 (1200 Pa)
Wind load resistance	Class C5 (2000 Pa)
Acoustic performance	RW (C;Ctr) = 44 dB
Note	Performances may be different depending on the profile/glass combinations.

MASTERPATIO

SLIDING DOOR

3 MODELS

→ Monorail, Inside Glazed, →+
→ Monorail, Outside Glazed, →+
→ 2 rail, →+

Download:

OPTIONS INSIDE THE MODEL

BUILDING CONNECTION
→ Type A: Netherlands
→ Type B: Belgium
→ Type C: International

SEGMENTS AND FITTINGS
→ Frame profile
→ Chicane profile
→ Handle inside/outside

DIMENSIONS
→ Height and width element
→ Panel thickness
→ Handle height
→ Dimensions element
→ Surface element
→ Dimensions Glass
→ Surface Glass

MATERIALS
→ Color inside/outside profile
→ Panel material
→ Handle color

ANALYTICAL PARAMETERS
→ Information parameters similar to information on website
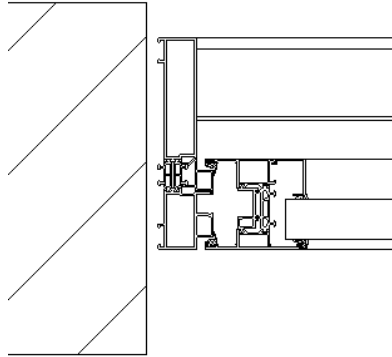
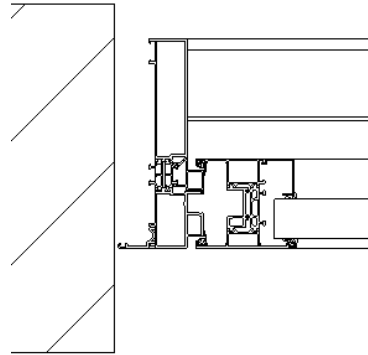### LEVEL OF DETAIL
→ Coarse/medium/fine

SEGMENTS AND FITTINGS PARAMETERS

Frame Profile

- Option to choose between two different profiles

STANDARD

WITH REBATE

Profile Chicane

- Option to choose between a standard and a small chicane

DIMENSION PARAMETERS

Opening Wall

- Height: Visible opening in outside wall
- Width: Visible opening in outside wall

Dimensions Element

- Automatic calculations of the height and width of the element
- Automatic calculations of the surface of the element
- Options to change the height and width of the different parts of the configuration

Additional Dimensions

- Height Handle: option to change the height, measured from the bottom
- Glass Thickness: option to change the panel thickness

Dimensions Glass

- Automatic calculations of the height and width of the glass
- Automatic calculations of the surface of the glass

DIMENSION PARAMETERS

Building Connections

Building connections differ between countries. Reynaers BIM models include parametrical building connection information.

There are three predefined building connections that can be changed by changing the values.

- Type A: The Netherlands
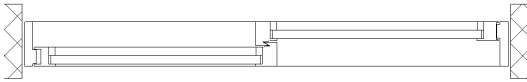- Type B: Belgium
- Type C: International

Changeable parameters:

- Offset Wall Ext Int: Distance between inside- and outside wall
- Offset Bottom Building Connection: This is the same as the offset wall Ext Int but specific for the bottom connection
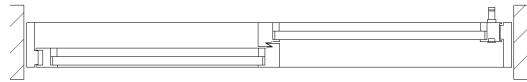- Joint Width: Distance between the inside of the outside wall and the front of the window profile
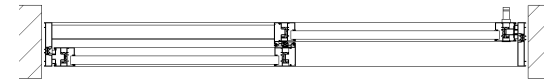
DETAIL LEVELS

3 levels of detail

- Coarse
- Medium
- Fine

COARSE

MEDIUM

FINE

OTHER PARAMETERS

Visibility
Section View Location: option to define the wanted section view

Material and Finishes
Materials for the profiles, the handles and the panel can be chosen.

Reynaers materials
The most popular RAL colours Aluminium_RAL7016 is already predefined but can be changed if necessary.
For the panel standard glass is predefined.

Analytical Parameters
List of analytical parameters that can be used in calculations.
For example: REY Panel Surface Total, REY Panel Surface Visible, REY Uf, REY Rw, REY Air Tightness, REY Wind Load Resistance, REY Water Tightness, REY Burglar Resistance, REY Fire Resistance,…

TOGETHER FOR BETTER