

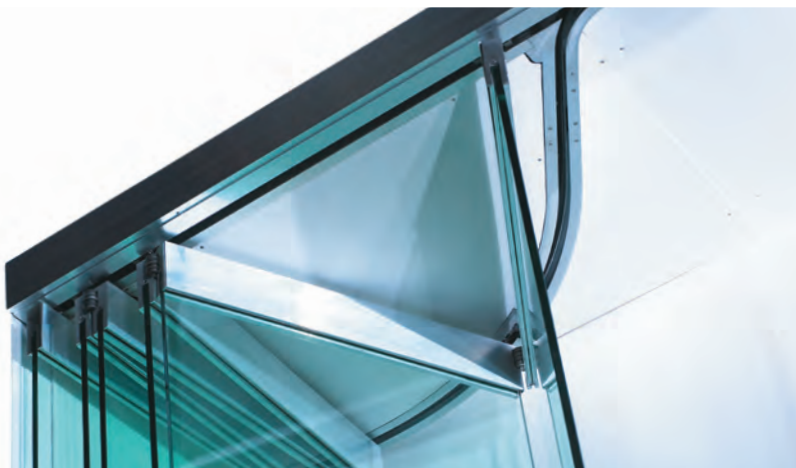


**Monarch**

**Renlita Overhead Doors**

## **FRAMELESS BI-FOLD DOORS**

Monarch's frameless glass door offers excellence in design. The overall look is a sophisticated and elegant wall of windows. Monarch's frameless glass door has no floor track and comes motorised as standard using the exclusive Monarch logic control system. The use of our motorised system eliminates OH&S issues that can occur with manual operation and reduces the risk of product misuse and damage. Manual operation is optional depending on size.



## Applications:

Suitable for many commercial applications including: Shopping Centres, Restaurants, Shopfronts, Sports Complexes, Clubs, Entertainment Centres. Maximum height - 4.0 metres.

## Features:

The frameless bi-fold door is standardly constructed from 10, 12 or 15mm toughened glass panels. However, the exclusive trace and drive system can be incorporated for use with door panels of your choice.

## Specifications:

**Track** - 3 part extruded aluminium, 125mm high x 105mm wide incorporating track and pelmet to conceal door drive. Currently only straight runs are available under motorised operation. Manual doors can accommodate some curved openings. Consult Monarch for additional specifications.

**Curtain** - Door panels are constructed from 10, 12 or 15mm toughened glass with 118mm high x 40mm wide aluminium top and bottom rails. Rails are hinged together with custom design stainless steel hinges. Doors can be configured in three options:

1. Access door at stack end. See Drawing A.
2. Access door opposite stack. See Drawing B.
3. No access door (even panels, stack only). See Drawing C.

A fourth option is currently being designed to allow the whole system to be housed within a cupboard for complete obscurity whilst open. See Drawing D.

**Stack Bay** - Purpose fabricated for each job, the bifurcated track allows the panels to be slid along the track locus and stacked neatly into the stack bay. The fact that the panels can only fold at the stack bay allows the door to travel in close proximity to obstructions without hampering door operation.

**Locking** - Main curtain can be locked to floor at intermittent points along the door length. Access doors are provided with Lockwood lock on patch fittings.

**Finish** - Track, top and bottom rails are available in powder coat or anodised finish.

Note: The overhead structure must be designed to support the door weight. Monarch can provide self-standing trusses and columns if required.



A. Access door at stack end.



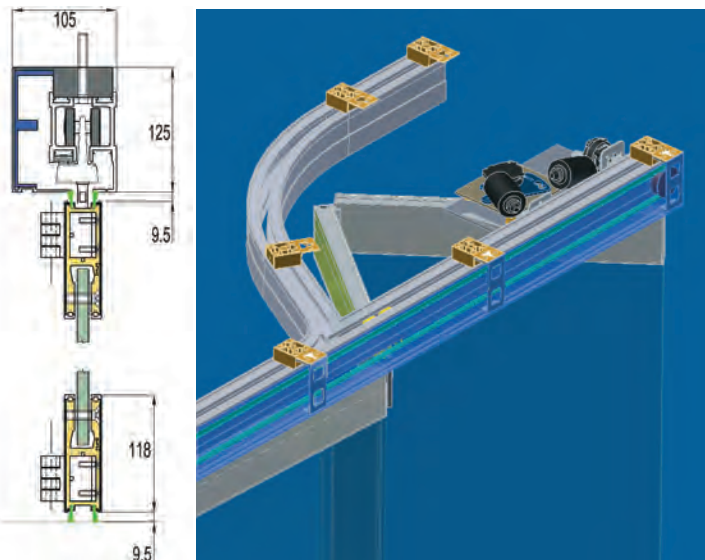
B. Access door opposite stack.



C. No access door (even panels, stack only).



D. Icon housing with swing door.



## Contact Details

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**Monarch**

## Renlita Overhead Doors

### RENLITA ALUMINIUM DOOR

The Renlita all-aluminium counterweight balanced door makes an outstanding statement. A contemporary concept offering luxury, elegance and durability. With no visible welding, the all-aluminium Renlita door offers an exemplary architectural framework. The all-aluminium Renlita door can be produced in either 1000, 2000 or 3000 series.



## Applications:

High-end architectural projects or harsh and corrosive environments. All-aluminium Renlita doors come with stainless steel pulleys and hinges as standard.

## Features:

The all-aluminium Renlita doorframe is constructed from custom extruded aluminium section, purpose-designed to accept standard glazing. There is no welding on the joints. These are crimped together using triple stakes on corners and purpose made joining spigots to internal members. This provides ideal construction for anodised finishes as there is no discolouration from heat due to welding.

## Specifications:

**Size** - 4500mm wide by 4000mm high. For larger sizes please consult Monarch/Renlita.

Doors can be partially or fully glazed for viewing or showroom display and are glazed in accordance with AS1288. Standard glazing uses 6.38mm laminated safety glass. The use of other glass or glazing material should be referred to the manufacturer due to additional weight, deflection, door design and construction.

**Finishes** - Doors can be supplied in standard anodised or powder coat finishes.

**Locking** - By use of internal padbolts. Unless otherwise specified, motorised doors will not be fitted with manual locks.

**Counterweight Covers** - Counterweights shall be protected and covered with a removable pressed sheet to meet design requirements.

**Motorisation** - Doors shall be driven by Monarch/Renlita's exclusive patented dual 24 volt DC motor drives operating the linkage and counterweight. Motors are controlled by custom logic control, designed specifically for this operation. Various options for door operation are available including key switch, radio transmitter and card key. Doors have automatic load sensing if an obstruction is detected.

**For basic dimensions and clearances please refer to the Monarch/Renlita 1000, 2000 and 3000 specifications.**

Monarch Renlita has a continuous program of product development and reserves the right to change specifications at any time and without notice.



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