

Bellapart

Ground Floor Solutions

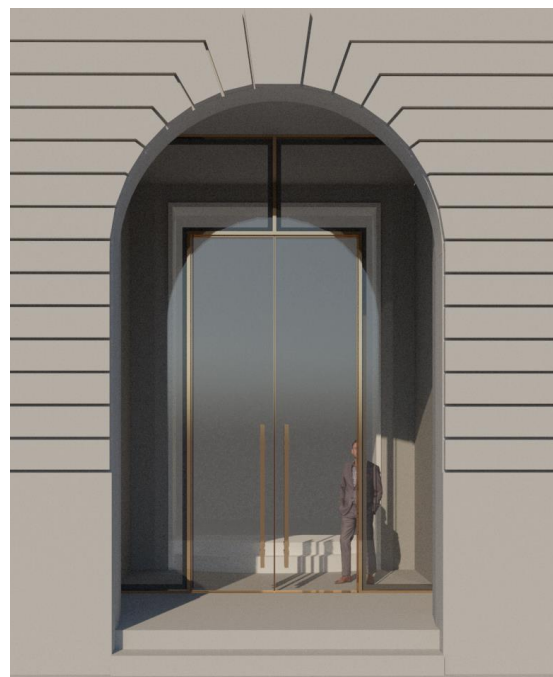
Beautiful, sustainable
and safe glass doors

Mandarin Oriental Ritz Hotel, Madrid

Bellapart was in charge of the final design and construction of the main entrance bespoke architectural bronze glass doors.

New insulated glass doors were installed in the main entrances with total dimensions of 4.25m height and 2m width. Doors were designed using an innovative extruded architectural bronze profile system, engineered to withstand high live loads and keeping a very slim and elegant appearance. Safety low iron laminated glass provided an extreme transparency; with an exceptional locking and anti-vandalism protection. Both doors are power assisted and connected to the evacuation system. The aged bronze finish treatment and protective wax are used in both doors as for the handles.

Two internal doors were installed inside in the reception with dimensions of 2.6m x 1.25m which are also power assisted.



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- + Total dimensions main entrance doors 4.25m x 2m. 2 leaves of 4.25m x 1m. 2 units.
- + L shape side windows. Total dimensions 5.45m x 4.02m.
- + Total weight main entrance per door leaf 350kg.
- + Total dimensions side doors 2.6m x 1.25m. 2 units.

- + Escape doors.
- + Pivot doors. Opening to the outside.
- + Bespoke extruded architectural bronze frames.
- + Extra-clear glass.
- + Aged bronze finish.
- + Bespoke aged bronze handles.

- + Anti-vandalism protection. Laminated glass, P6B protection.
- + Total security leave hanging system.
- + Security closure anti-panic button.
- + Mechanical assisted operation.
- + Bespoke and hidden mechanical lock.
- + Control panel switchboard connected to the smart building technology system.

THE PROJECT

Location
Madrid, Spain ↘

Type of structure
Doors

Date completed
15-04-2021

Scope of Work

- + Engineering & Multiphysics Analysis
- + Shop Drawing
- + Fabrication
- + Logistics
- + Installation & Site Safety
- + Quality Control

Dimensions

- + Height: 4.25m | 2.6m
- + Width: 2m | 1.25m

THE TEAM

Client
Mandarin Oriental Hotel Group

Architect
Rafael de La-Hoz

