

Cold Store Doors

Sliding Cold Store Doors

Technical Manual



Technical Specifications



The Hengliang Sliding Door is used for both space restricted areas or when installation space is available only on one side of a door opening like corridors and loading platforms.

All sliding doors are suitable for both cooler and freezer applications as well as interior or exterior use. The electric (EHS) and manual operation (MHS). Polidoor Sliding Door is also available with both electric (EHS) and manual operation (MHS).

Design Features

- 2 years limited warranty
- Every electric door is bench tested before shipping
- Durability and safety are ensured by use of IP-56
- Advanced, adaptive controller for electric doors with manual or timer mode for accessories.

- ◇ Heavy duty hardware and tracks are built for long lasting usage.
- ◇ Bearings are sealed in grease and require no further lubrication. Maintenance is low and consists of light machine oil on easy to remove drive chain and track.
- ◇ Pneumatic safety device for electric doors along entire length of the leading edge stops and reverses the door to open position if an obstruction is encountered while closing.

Material Specifications

(Custom design available)

Height: 1500mm to 6000mm

Width: 900mm to 4000mm

Thickness: 60 mm 80mm 100mm 120mm 140mm

Insulation: Class 1 foamed-in-place

Door Panel: Interior frame consists of PVC or Steel.

Vertical casings &

Header: Anodized Aluminium

Metal: 0.6mm stucco embossed, painted or refined galvanized steel

Hardware: Heavy duty hardware and track coated for corrosion resistance, including:

- Double track
- Door panel suspended on two (2) wheels to maintain proper drive chain or rubber tension
- Manual disconnects on front and back of door with concealed release.

Gaskets: Cloth reinforced neoprene gaskets bulb type gaskets on vertical casings, header and bottom of door.

Safety Edge: Full height pneumatic instant reversing safety edge on bottom of door panel.

Defrost: Freezer doors equipped with 30W perimeter cables to keep gaskets frost free.

Operation: Manual, Electric.

Options

- ◇ Stucco embossed aluminum cladding
- ◇ Stainless steel cladding
- ◇ White F.R.P. with stainless trim
- ◇ Freezer door with 30W perimeter heater cable
- ◇ 300 x 300mm insulated or heated vision panel
- ◇ Rain hood
- ◇ Kickplates
- ◇ Locking devices
- ◇ Inside casings
- ◇ Meat rail construction
- ◇ Standard or high speed operator
- ◇ Radio control open/close
- ◇ Photo cell open/close/safety
- ◇ Motion detector open/close/safety
- ◇ Loop detector open/close/safety
- ◇ Time delay close
- ◇ Closing signal warning control
- ◇ Partial opening pedestrian control
- ◇ Electric interlock
- ◇ Pedestrian pass door
- ◇ Heated control panel
- ◇ Custom designed doors to meet your individual needs

Hengliang Power Operator UL Listed

- ◇ Operator listed under UL standard 508A for industrial control panels.
- ◇ Brushless DC motor system provides necessary power in compact package.
- ◇ IP-56 control box with adaptive controller.
- ◇ Pneumatic instant reversing safety edge.
- ◇ External wiring enclosed in waterproof exible conduit.
- ◇ Calibration to any door size with external battery backup.
- ◇ Roller drive chain incorporating special link for manual disconnect.

Operating Speed

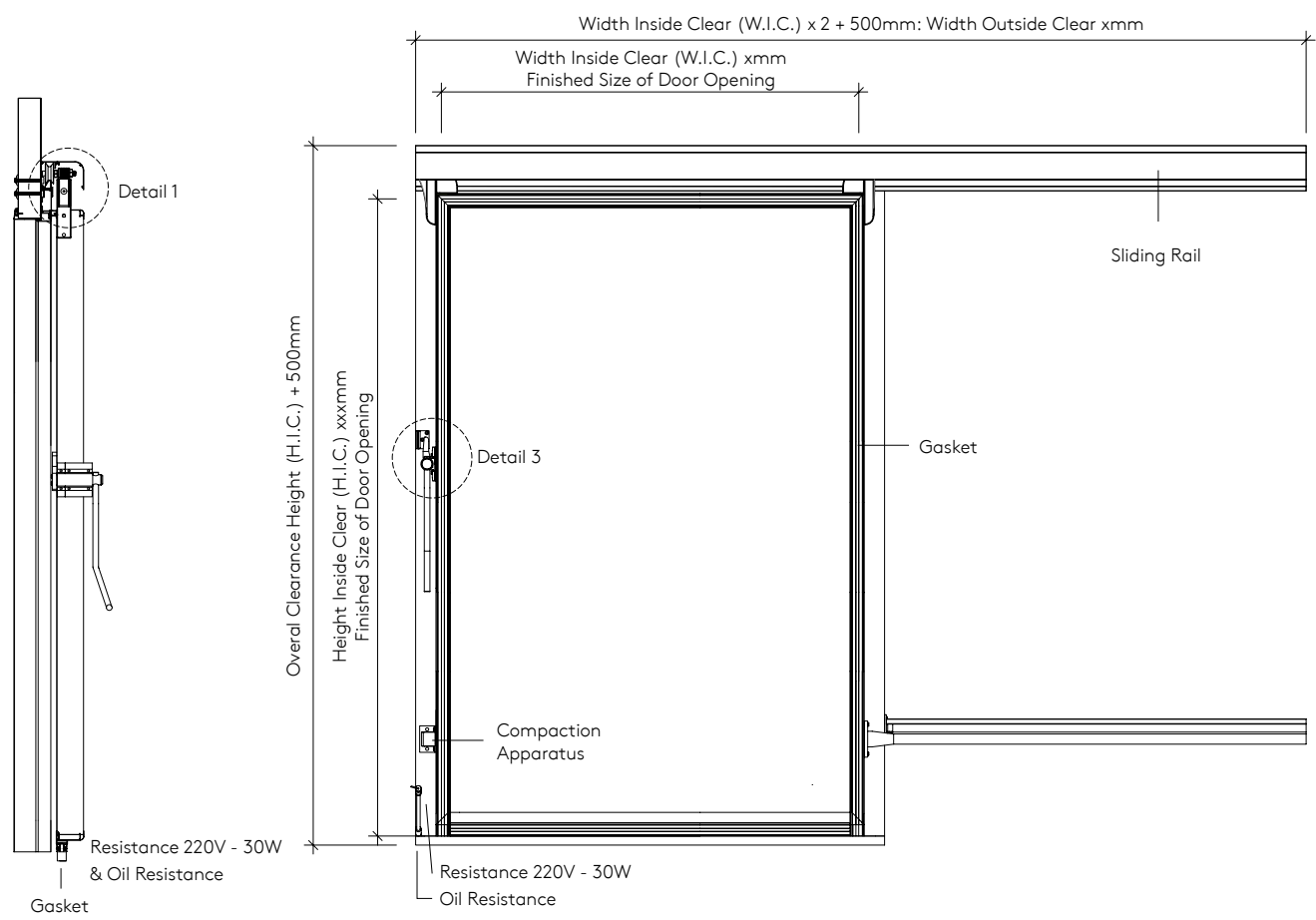
Standard Operator

The motorization is done by motoreducer with an adjustable clutch. This clutch makes it possible to have the maximum power available when the door starts and decrease the power in order to have the minimum couple after 200mm, once the door go out of ramps.

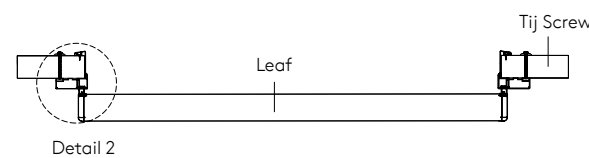
Operator Electric Requirements

180W for maximum door weight of 80kg
370W for maximum door weight of 200kg
750W for maximum door weight of 400kg

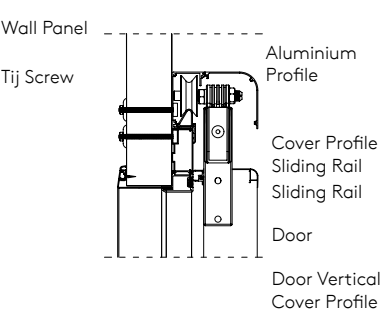
Sliding Door Manual



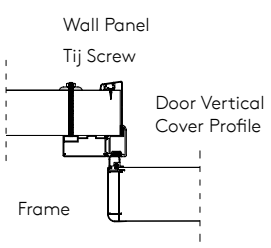
Front Elevation



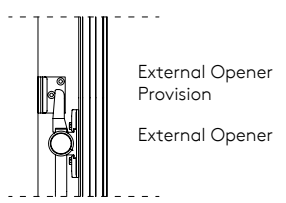
Plan



Detail 1

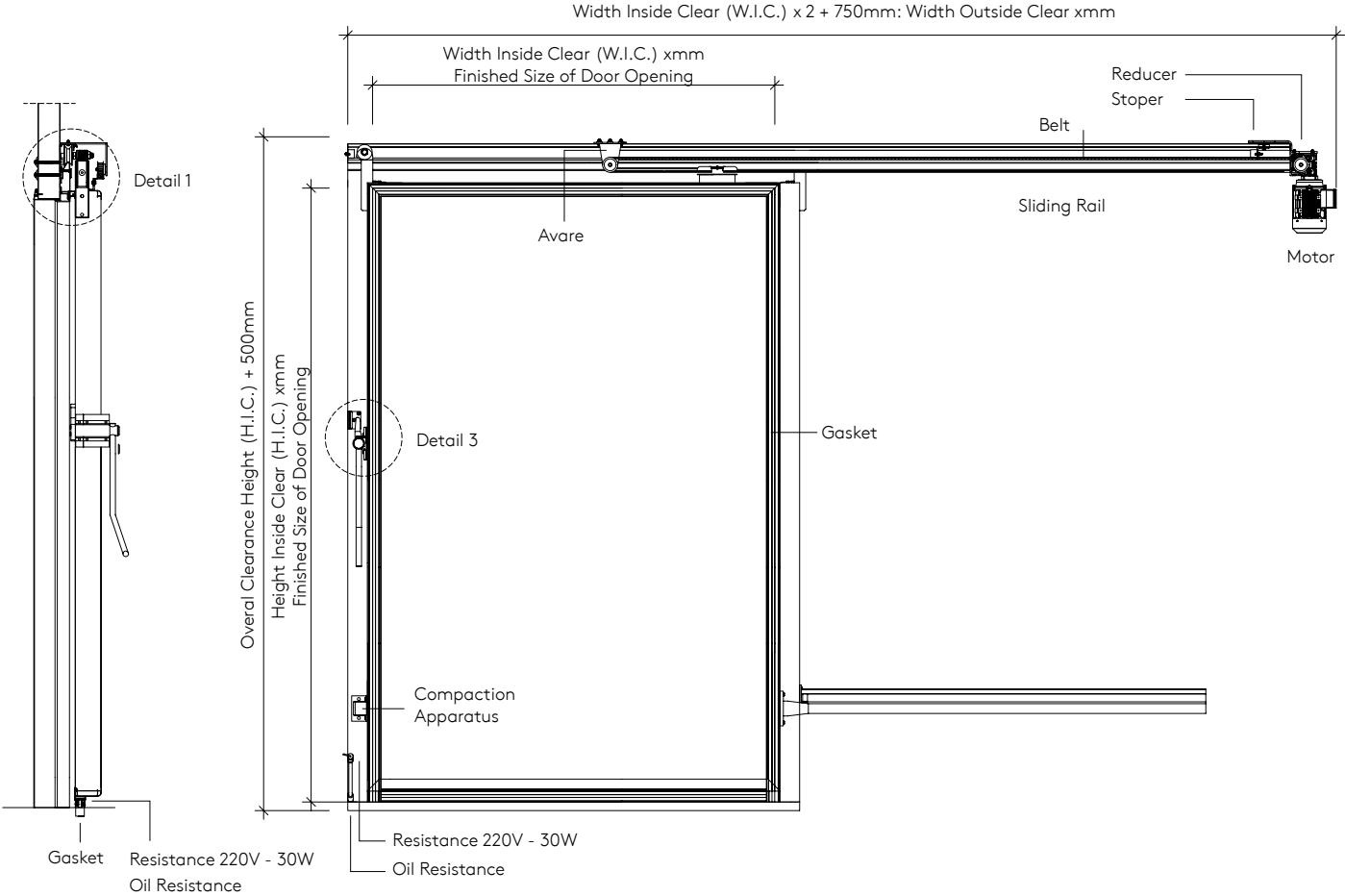


Detail 2

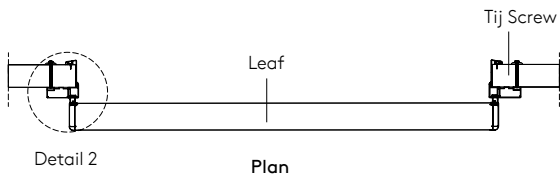


Detail 3

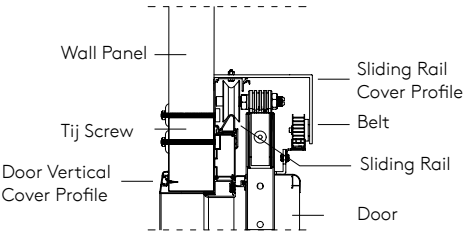
Sliding Door Automatic



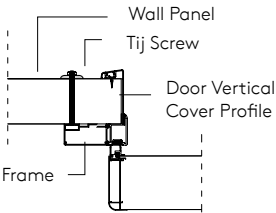
Front Elevation



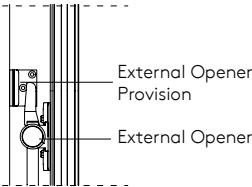
Plan



Detail 1

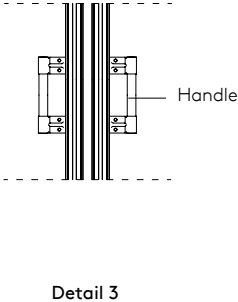
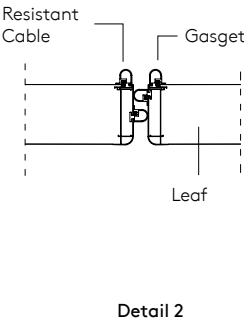
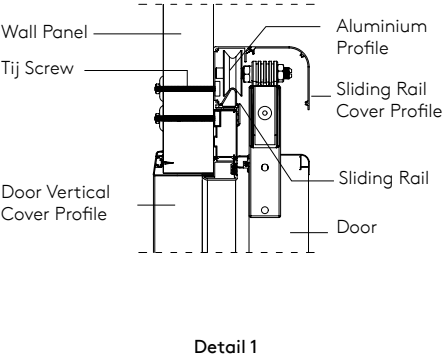
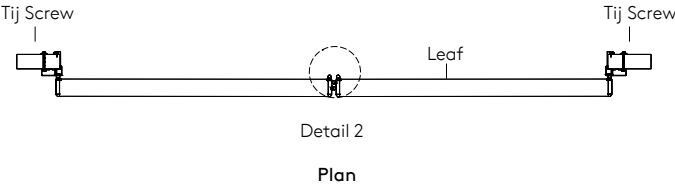
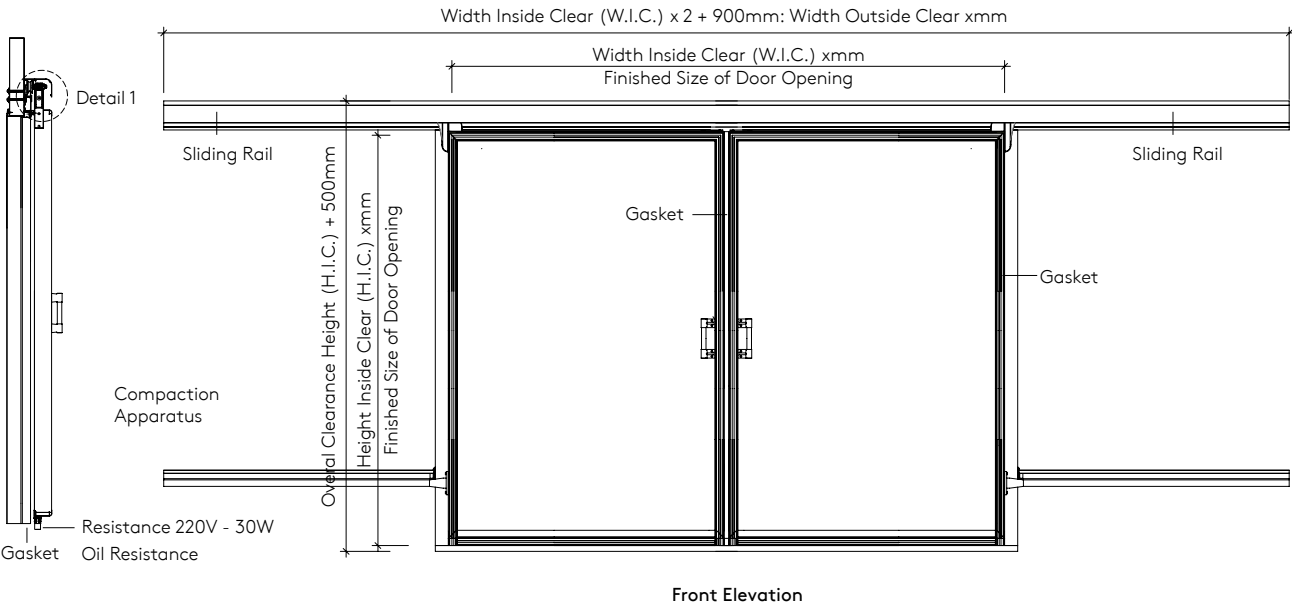


Detail 2

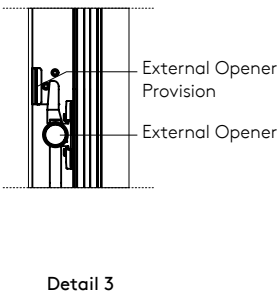
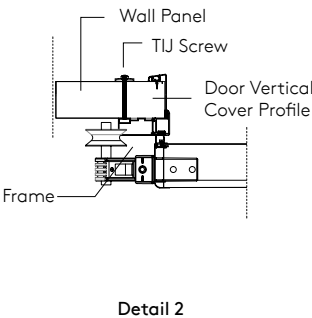
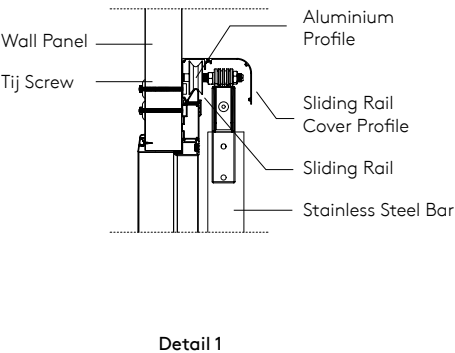
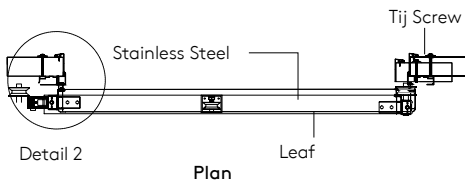
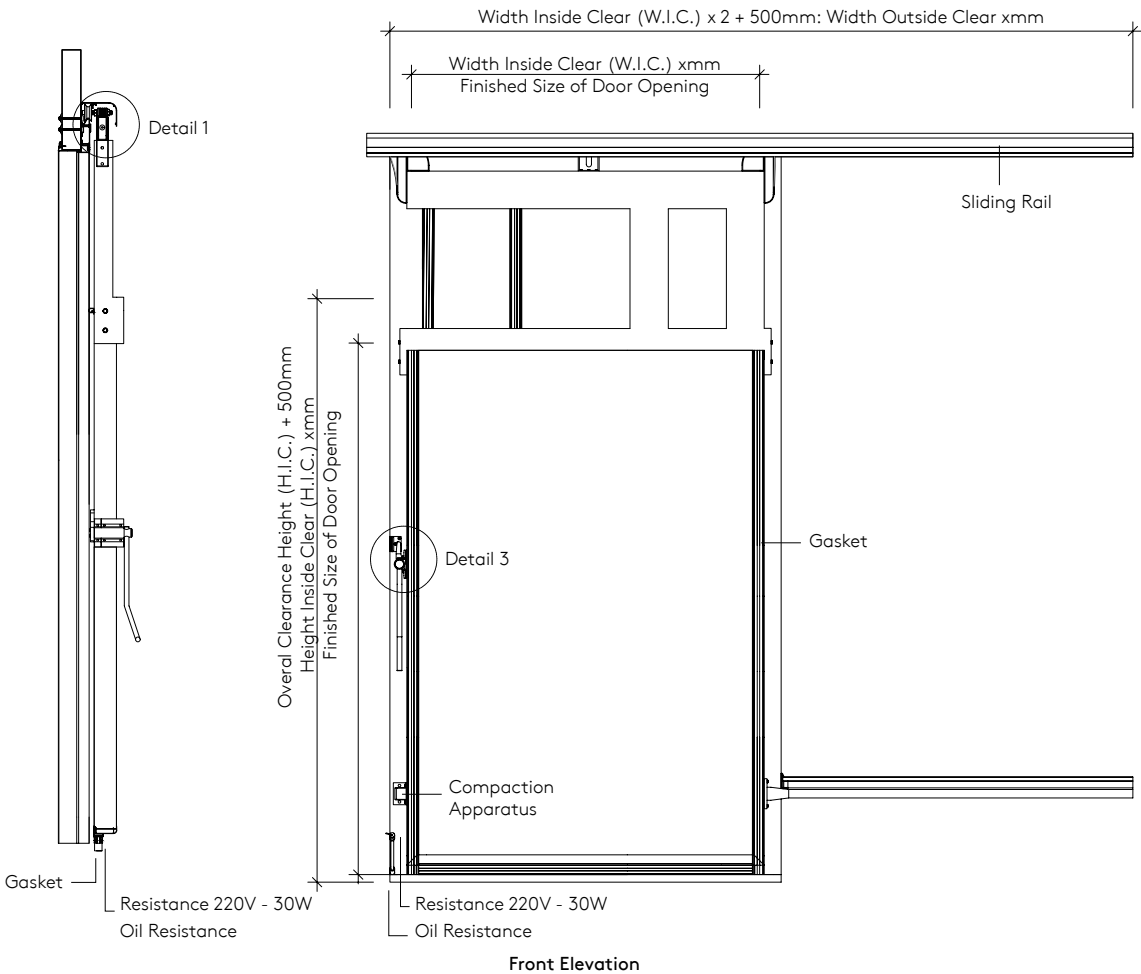


Detail 3

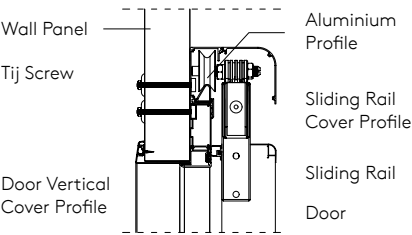
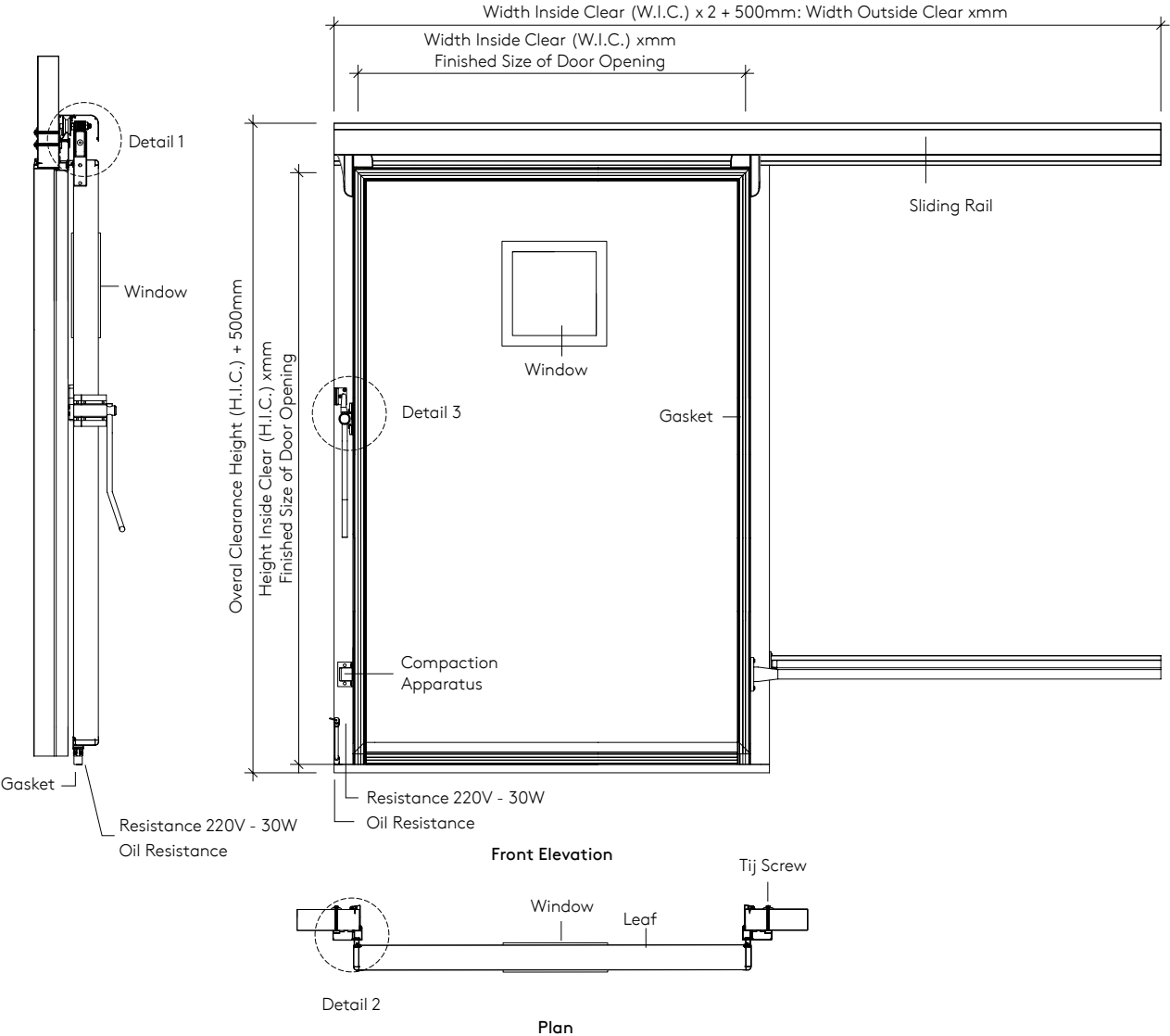
Sliding Door Double Wing



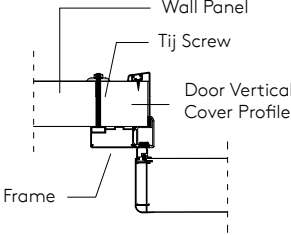
Sliding Door Monoray



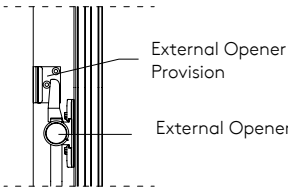
Sliding Door with Window



Detail 1

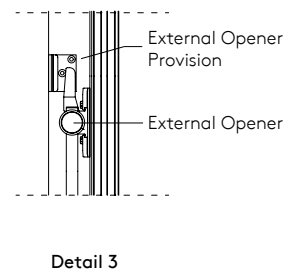
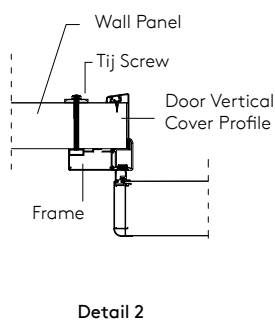
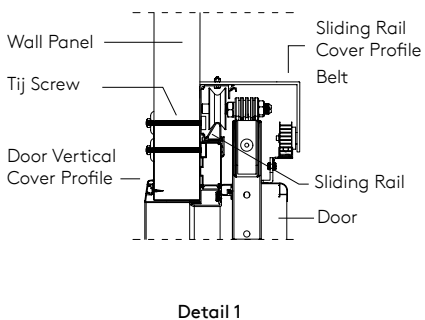
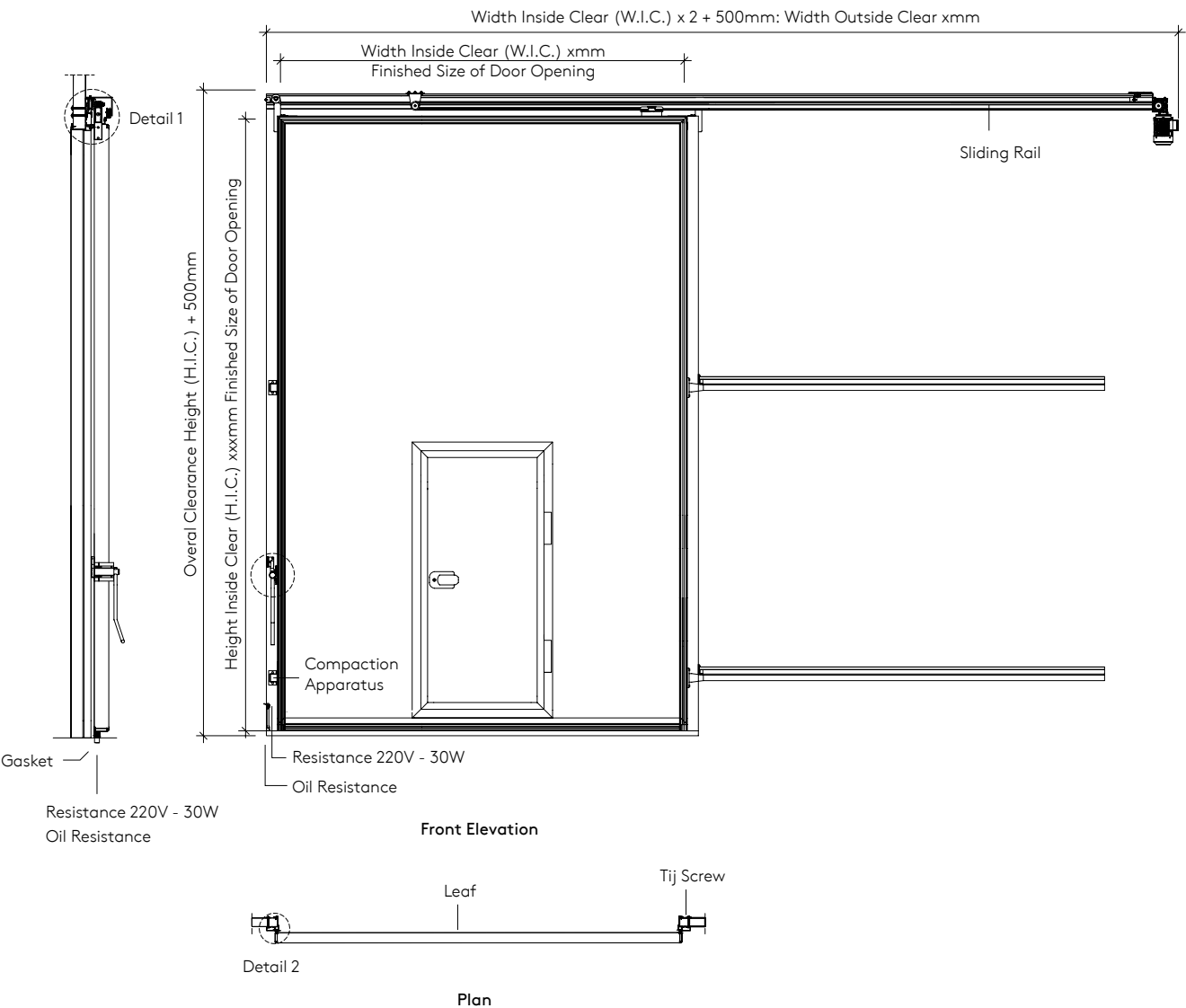


Detail 2



Detail 3

Sliding Door with Personal Transition



Xiamen Hengliang

No. 2, Yongfeng Road, Xinglin, Jimei District,
Xiamen City, Fujian Province, CN

F: +86 18350573206 Alan