

## PRODUCT SPECIFICATIONS – SERIES 5000 DUAL OR SINGLE LEAF “VERTICAL LIFT” COUNTERWEIGHT DOORS

### PROPRIETARY SPECIFICATION

SERIES 5000 Dual or Single Leaf Vertical Lift Counterweight Doors as manufactured by Mirage Doors

#### FRAME

The frames are constructed from steel hollow section (SHS) and designed in accordance with AS1170.2-2002 and AS4100-1998, to withstand wind loading as required in the closed position and provide minimum deflection in the open position.

#### COMPLIANCE TO WINDLOAD SPECIFICATIONS

Doors must comply with the following project criteria (note that wind rated counterweight doors cannot be ventilated):

- Site address:
- Wind Region: Terrain Category:
- Regional Wind Speed VR: Internal pressure coefficient:
- Ultimate Limit State Pressure (P\*) in positive & negative for each roller shutter:
- Importance Level:

#### CLADDING

Colorbond, Steel Sheet, Aluminium Sheet, Bar Grille, Weldmesh, Amplimesh, Timber, Glass, Acrylic. Discuss any other requirements with a Mirage representative.

#### OPERATION

- Manual by hand;
- **(Low Cycle):** Electric operation is by a 1 h.p. / 1.5 h.p. / 2.0 h.p. clutch motor / gearbox c/- push button operation via a reversing contactor. This includes emergency chain operation in the event of power failure. Key switches can be added if required;
- **(High cycle – over 50 operations per day):** Electric operation is by a 1 h.p. / 1.5 h.p. / 2.0 h.p. motor / gearbox c/- logic control box and photo – electric beam protection. Supply, install & interfacing of access control systems are by others. This motor includes emergency chain operation in the event of power failure.

## LOCKING

For manually operated doors, sliding pad bolts are fitted to the bottom of each side - padlocks are supplied by others.

## FINISH OPTIONS

- Dulux Duralloy or Interpon D1000 powdercoat finishes are suitable for Series 5000 counterweight doors;
- Other options include polyurethane paint or enamel paint;
- Hot dipped galvanising is recommended for corrosive environments.

## OPTIONAL EXTRAS

- Access / personnel doors within the door;
- Remote control activation c/- photo electric beam protection;
- Integration / interfacing with parking system controls.

## TECHNICAL DETAILS

Refer to Technical Data Sheet 17 for technical drawings and clearance dimensions.

## SPECIAL NOTES

- The power supply required for the motor is either:
  - 3 phase 415v with neutral (10 amp), located within one metre of the motor;
  - Single phase hard wired (10 amp), located within one metre of the motor.
- Work by others:
  - Power supply provision of required;
  - Structurally adequate wall / mounting points to support the counterweight door;
  - Adequate headroom & sideroom as per Tech. Data sheets to ensure successful operation
- Product warranty – 12 months.

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