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A5000 Vertical Lift Counterweight Balanced Door

The A5000 Vertical Lift Counterweight Balanced Door is custom made and designed for all applications large or small openings and where strength and superior appearance is required and also where noise or temperature control may be an issue.

The main benefits of the A5000 Vertical Lift Counterweight Balanced Door is that it achieves the lowest maintenance with the highest operation cycles, able to be designed in a variety of cladding and glazing types.

A5000 is commonly used in the commercial and domestic sectors for example car park entries, loading docks and cool rooms. It can be either operated manually or motorised.



Features

- Custom built for all structural requirements and architectural designs
- Cladding versatility
- Ease of operation
- Non-intrusive to building external and internal facade

Recommended Specification

A5000 is custom built for each specific application. Please contact Steel-Line for any technical assistance in design and installation. Listed below are some of the main design considerations when specifying the A5000:

- Operational Requirements.
- Opening Dimensions.
- Structural Requirements.
- Architectural Requirements.

Therefore it is important to accurately measure the opening dimensions and adequately specify any requirements.

Opening Requirements

The A5000 Vertical Lift Counterweight Balanced Door requires operational clearances as well as permanent space for its accommodation. These dimensions vary depending on the application. It is important to take these in to consideration especially the operational clearances as they impinge on other design criteria, for example the drive through clearances.

Motorisation

Motorisation requires the addition of:

- Motorisation Guides.
- Drive Unit, Including Torque Limiter.
- Independent Limit Switches.
- Overhead Shaft.
- Control System.

When a motorised door is ordered the above mentioned items are included as they are integral components of the door. Motorisation may be fitted to an existing manual door however this may require extensive modification.

Locking

Locking is normally provided on manual operated doors only. Pad bolts are fitted internally to allow the door to be latched in the closed position.

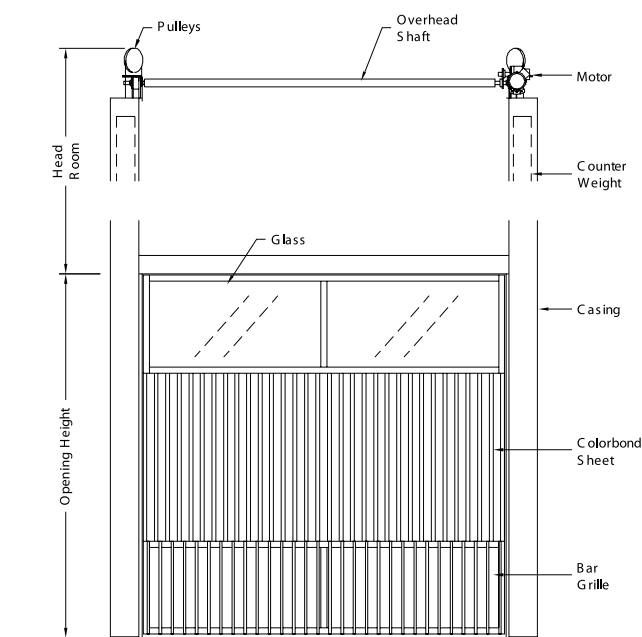
Locking for motorised doors is usually locked via the motor however additional locking is available, for example electric or magnetic locks.

Cladding / Glazing

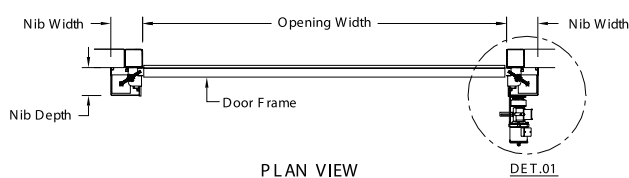
Being a counterweight balanced door the A5000 Vertical Lift Counterweight Balanced Door can be designed to accept a wide variety of cladding and glazing materials.

The following combinations of glazing and cladding are quite common:

- Sheeting products such as Trimdek and Custom Orb.
- Toughened Laminated Glass.
- Polycarbonate, Acrylic, Perspex and Laserlite etc.
- Aluminium Composite Panels (ACP).

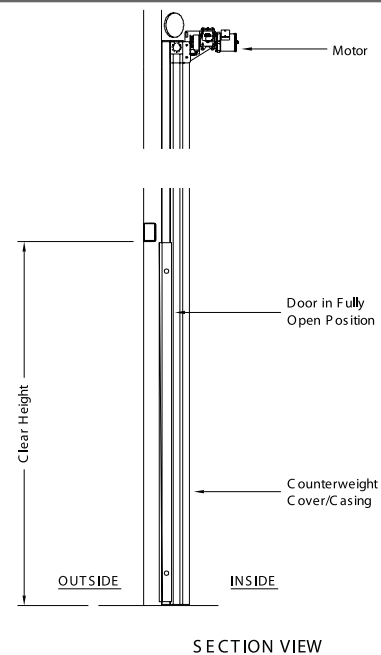


ELEVATION (View Inside Looking Out)

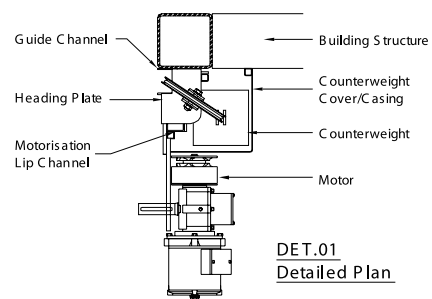


PLAN VIEW

DET.01



SECTION VIEW



DET.01
Detailed Plan

Steel-Line reserves the right to change specifications at any time without notice.