Provisions

2.21 Powered entrance doors will satisfy Requirement M1 or M2 if:

a. they have a sliding, swinging or folding action controlled:
   - manually by a push pad, card swipe, coded entry or remote control, or
   - automatically by a motion sensor or other proximity sensor, e.g. a contact mat;

b. when installed, automatic sensors are set so that automatically operated doors open early enough, and stay open long enough, to permit safe entry and exit;

c. when they are swing doors that open towards people approaching the doors, visual and audible warnings are provided to warn people of their automatic operation when both opening and shutting;

d. they incorporate a safety stop that is activated if the doors begin to close when a person is passing through;

e. they revert to manual control or fail safe in the open position in the event of a power failure;

f. when open, they do not project into any adjacent access route;

g. any manual controls for powered door systems are located between 750mm and 1000mm above floor level, operable with a closed fist and, when on the opening side of the door, are set back 1400mm from the leading edge of the door when fully open and contrast visually with the background against which they are seen.

Glass entrance doors and glazed screens

Note: Where there appears to be a conflict between the guidance in Part M and Part N, Part M takes precedence, see the Notes to the Requirements.

Design considerations

2.22 People with visual impairment should be in no doubt as to the location of glass entrance doors, especially when they are within a glazed screen. The choice of a different style of manifestation for the door and the glazed screen can help to differentiate between them.

2.23 The presence of the door should be apparent not only when it is shut but also when it is open. Where it can be held open, steps should be taken to avoid people being harmed by walking into the door.

Provisions

2.24 Glass entrance doors and glazed screens will satisfy Requirement M1 or M2 if:

a. they are clearly defined with manifestation on the glass at two levels, 850 to 1000mm and 1400 to 1600mm above the floor, contrasting visually with the background seen through the glass (both from inside and outside) in all lighting conditions;

b. manifestation takes the form of a logo or sign at least 150mm high (repeated if on a glazed screen), or a decorative feature such as broken lines or continuous bands, at least 50mm high;

c. glazed entrance doors, where adjacent to, or forming part of, a glazed screen, are clearly differentiated from it by the provision of a high-contrast strip at the top and on both sides;

d. glass entrance doors, where capable of being held open, are protected by guarding to prevent the leading edge constituting a hazard.

Entrance lobbies

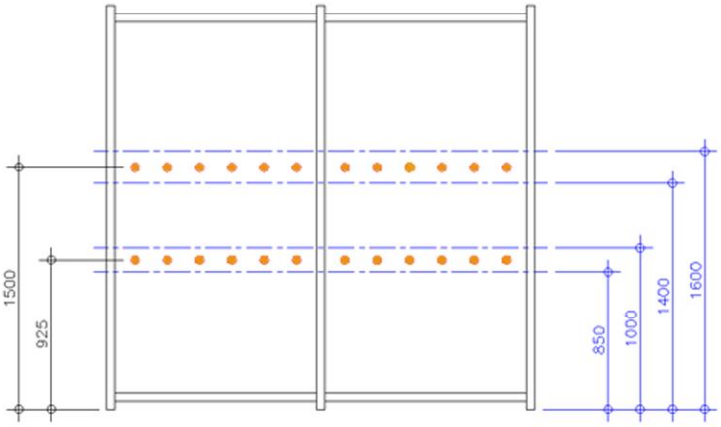
Design considerations

2.25 There are a number of reasons for providing a lobby:

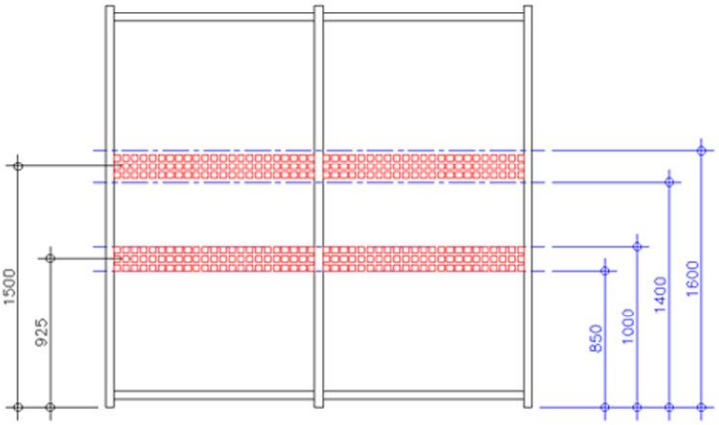
- to limit air infiltration
- to maintain comfort by controlling draughts
- to increase security
- to provide transitional lighting.

Legislation Explained

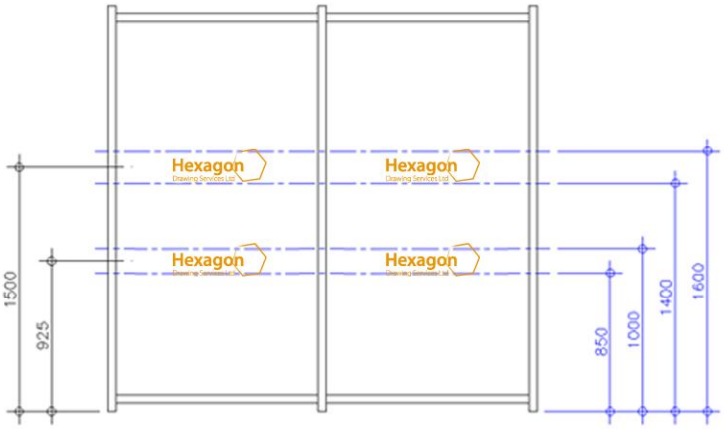
Here is our simplified version of the legislative rules, and how you can comply with them. The blue bands represent the bands described in Document M1/M2, whilst black dimensions on the left give our recommended heights from floor level, up to the centre of the manifestation design.



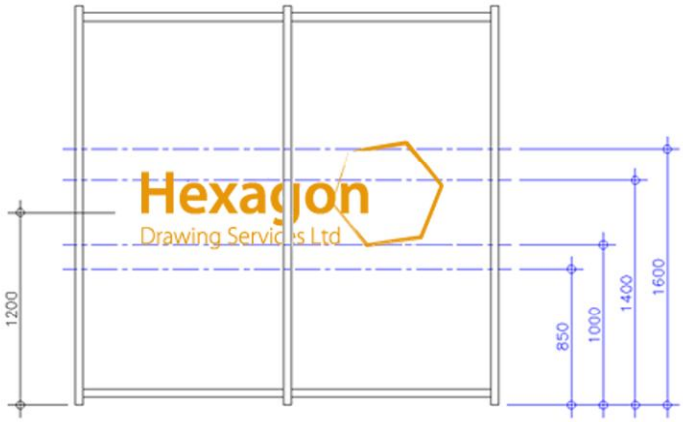
This diagram shows our 50mm range @ two levels on a glazed screen. The design must run the full length of the glazing, and be within the two blue bands shown to comply with Document M1/M2 of the Building Regulations.



Although our 50mm range of standard designs is enough to comply with the Building Regulations, our 150mm range can look better on larger curtain walling screens.



If you opt for a custom manifestation and create a vinyl logo or other non - continuous design, this must be at least 150mm high, and at the two levels as shown to comply with Regulations.



Larger custom designs can be used, and are only needed at one level, provided it crosses into both bands described (see right). We would recommend a min height of 500mm for the design, and that the design be applied 1200mm above the floor level to centreline.

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