

### 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.