

# Doors

Guidance Notes	91-92
TruDoor - Veneers	93
Cellular Core TruDoors	93
Solid Core TruDoors	94-95
EcoDoors	96-97
Vision Panels	98-99
Door Services	99
Building Regulations	100-103



CCF

## Guidance Notes

### 1. Stock Doors

#### Veneers

CCF standard stock natural wood veneered doors are not sold as matching sets. Veneers are a natural product cut from log runs and variations in grain features and / or colour shading can be expected.

Upon request (at additional cost) pairs of natural wood veneered doors, excluding Cherry veneer, can be matched to commercial standards on one face only, but CCF make no guarantee for book matching or matching on both faces. Should matching veneers be a requirement please ask for a quotation and delivery period.

#### Edge Lippings

Standard sized doors are generally supplied with 6mm thick concealed edge lippings to long edges only which are veneered over. The material used for the edge lippings complements the veneer facing but may not always be the same timber species as the face veneer.

When CCF provide door leaves to sizes for individual requests, our normal course of action is to reduce the width of a standard door and apply an exposed lipping to one edge (hinge side) of the door, the other edge will have its standard concealed lipping as applied at manufacture.

Other methods of producing special sized doors are open to us, on application.

#### Finishing

Faces and lippings of veneered doors are fully finished with lacquer when delivered, however should it be necessary to trim the door in fitting then resealing should be carried out on site. Doors supplied for painting should have a coat of primer applied immediately after delivery to site, with subsequent coats applied as soon as possible.

#### Fire performance

Doors achieve full fire performance only when correctly installed with all necessary intumescent materials in the frame or door leaf, and with a door closer fitted.

#### Storage and Handling

Doors are polythene bagged, bubble wrapped or cardboard wrapped. They will also be wrapped together on pallets for forklift truck offloading.

Doors are heavy and should be handled with care. The weight of some door types will require movement by two people to avoid personal injury or damage to the product.

#### Approximate door weights:

Cellular core 1981 x 838mm doors	18kg each
Solid core 1981 x 838mm doors	45kg each
Solid core 2040 x 926mm doors	52kg each
Solid core 2700 x 838mm doors	65kg each
1 hour 1981 x 838mm doors	60kg each

Doors should ideally be delivered to site immediately prior to their installation and be handled and stored as prescribed in the BS Code of Practice CP151 (Wooden Doors, Clause 501 - storage and protection).

In particular the following should be observed:

Natural wood veneered doors should not be exposed to direct sunlight, since natural shading or fading may occur.

Doors should be stored flat and supported off the ground by a minimum of three bearers and in a dry, well ventilated area, with conditions as near possible to those expected in final use.

Extreme changes of temperature or humidity should be avoided, particularly during the installation period, as this is detrimental to timber products and can lead to distortion.

It is important, in order to avoid damage to the door surfaces, that any packaging material is left on the door for as long as is practically possible.

A CLAIM WILL NOT BE CONSIDERED FOR ANY DOOR WHICH HAS BEEN EITHER WORKED ON OR HUNG.

**Guidance Notes** (continued)

**2. Special Doors**

Matching veneered sets, special veneers or finishes and non-standard leaf sizes or configurations can be obtained to order and will be priced upon application.

Where matching veneered door and overpanel sets are ordered, the overpanel will be 4mm wider than the door leaf for fitting into the frame on site.

All special veneered doors will be delivered with the faces pre-finished. It should be specified at the time of ordering if this is not required.

To enable quoted delivery times to be met, final details for special doors must be forwarded in writing at the time of order placement.

CANCELLATION OF SPECIAL DOOR ORDERS WILL NOT BE PERMITTED ONCE GOODS THEREON HAVE ENTERED THE PROCUREMENT OR PRODUCTION PROCESSES. BEYOND THIS TIME ALL SUCH ORDERS WILL BE INVOICED.

**PLEASE REFER TO BUILDINGS REGULATIONS DETAILED ON PAGE 103**

**3. Notes**

All pre-glazed vision panels supplied by CCF are glazed with safety glass and conform with or exceed the requirements of Document N of the Building Regulations and BS 6262.

Cellular core doors and non fire rated solid core doors will have the vision panel aperture glass bedded in clear silicone mastic.

Fire resistant doors with vision apertures will only be offered for sale factory pre-glazed, and will include intumescent materials applied to the vision aperture beads. Neither fire resistant doors with apertures unglazed, or glazing beads for fire resistant vision panels will be supplied for any purpose.

All vision panel sizes referred to indicate the door cut-out size. The 'sight size' of the aperture will be 30mm less for non fire rated and 1/2 hour fire resistant, and 50mm less for 1 hour fire resistant.

Vision panel sizes produced to order carry the following restrictions:

For 1/2 hour fire resistance the minimum top and side border will not be less than 150mm. The minimum distance from the bottom of the door leaf will not be less than 200mm. The minimum spacing between multiple cut-outs will not be less than 100mm.

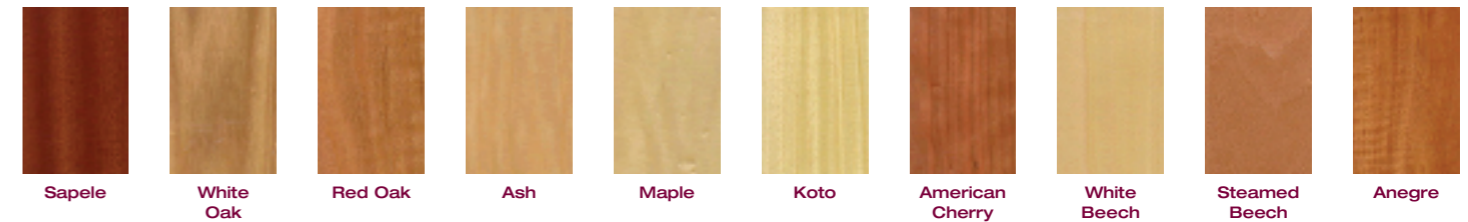
Where multiple cut-outs are fitted to door leaves the maximum size applies to each separately, but the total area cannot exceed the maximum permitted for the door type.

**TruDoor – Veneers**

Veneers are a natural product cut from log runs and variations can be expected.

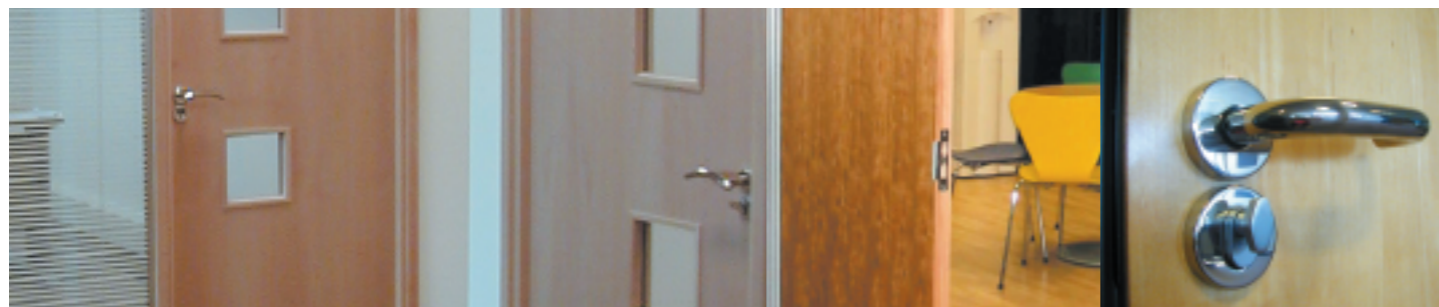
Our standard stock doors are not sold as matching veneer sets.

Pairs of doors will be matched to commercial standards on at least one face, but no guarantee can be made for book matching on both faces.



**Cellular Core TruDoors – 44mm Thick**

Description	Door Size (mm)	Code
Cellular core sapele	1981 x 762	544780
Cellular core white oak	1981 x 762	545780
Cellular core ash	1981 x 762	546903
Cellular core maple	1981 x 762	752193
Cellular core american cherry	1981 x 762	752202
Cellular core steamed beech	1981 x 762	752203
Cellular core paint grade	1981 x 762	548738
Cellular core sapele	1981 x 838	544819
Cellular core white oak	1981 x 838	545832
Cellular core ash	1981 x 838	546966
Cellular core maple	1981 x 838	548746
Cellular core koto	1981 x 838	548760
Cellular core american cherry	1981 x 838	548729
Cellular core steamed beech	1981 x 838	548732
Cellular core paint grade	1981 x 838	548760



### Solid Core (FD30) TruDoors – 44mm Thick

Description	Door Size (mm)	Code
Solid core sapele	1981 x 762	544875
Solid core white oak	1981 x 762	545883
Solid core ash	1981 x 762	548751
Solid core maple	1981 x 762	752204
Solid core koto	1981 x 762	548761
Solid core american cherry	1981 x 762	752205
Solid core steamed beech	1981 x 762	544090
Solid core paint grade	1981 x 762	548738
Solid core sapele	1981 x 838	544930
Solid core white oak	1981 x 838	545946
Solid core ash	1981 x 838	548752
Solid core maple	1981 x 838	548747
Solid core koto	1981 x 838	548762
Solid core american cherry	1981 x 838	548730
Solid core steamed beech	1981 x 838	548733
Solid core paint grade	1981 x 838	548739
Solid core pre-primed paint grade	1981 x 838	752206
Solid core sapele	2040 x 726	545188
Solid core ash	2040 x 726	752207
Solid core steamed beech	2040 x 726	544232
Solid core sapele	2040 x 826	544979
Solid core white oak	2040 x 826	546009
Solid core ash	2040 x 826	548756
Solid core maple	2040 x 826	544970
Solid core koto	2040 x 826	548399
Solid core american cherry	2040 x 826	752208
Solid core steamed beech	2040 x 826	544014
Solid core paint grade	2040 x 826	548740
Solid core external paint grade	2040 x 826	752209
Solid core sapele	2040 x 926	545022
Solid core white oak	2040 x 926	546064
Solid core ash	2040 x 926	548757
Solid core maple	2040 x 926	752210
Solid core koto	2040 x 926	548763
Solid core american cherry	2040 x 926	752211
Solid core steamed beech	2040 x 926	548735
Solid core paint grade	2040 x 926	548741
Solid core external paint grade	2040 x 926	752212

### Solid Core (FD60) TruDoors – 54mm Thick

Description	Door Size (mm)	Code
1 Hour sapele door	1981 x 838	545089
1 Hour white oak door	1981 x 838	546150
1 Hour ash door	1981 x 838	548759
1 Hour maple door	1981 x 838	752220
1 Hour cherry door	1981 x 838	752224
1 Hour steamed beech door	1981 x 838	752225
1 Hour paint grade door	1981 x 838	548742
1 Hour external paint grade door	1981 x 838	752227
1 Hour sapele door	2040 x 826	752213
1 Hour white oak door	2040 x 826	752216
1 Hour ash door	2040 x 826	752218
1 Hour maple door	2040 x 826	752221
1 Hour steamed beech door	2040 x 826	548736
1 Hour paint grade door	2040 x 826	548744
1 Hour sapele door	2040 x 926	752214
1 Hour white oak door	2040 x 926	752217
1 Hour ash door	2040 x 926	752219
1 Hour maple door	2040 x 926	752222
1 Hour koto door	2040 x 926	752223
1 Hour paint grade door	2040 x 926	548745

### Solid Core TruDoors – 44mm Thick

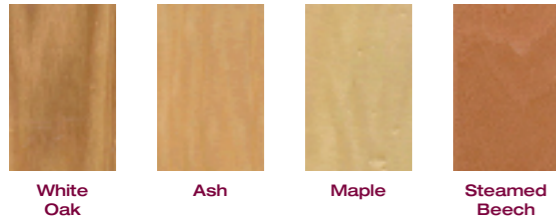
Description	Door Size (mm)	Code
Solid core sapele	2700 x 838	545053
Solid core white oak	2700 x 838	546102
Solid core high ash	2700 x 838	548758
Solid core high american cherry	2700 x 838	548731
Solid core high steamed beech	2700 x 838	548734
Solid core high maple	2700 x 838	548748
Solid core paint grade	2700 x 838	626775

### Solid Core TruDoors and Overpanel Sets – 44mm Thick

Description	Door Size (mm)	Code
Door & overpanel set white oak	2700 x 838	546197
Door & overpanel set ash	2700 x 838	547430

### EcoDoors

EcoDoors encourage deforestation and have no impact on endangered hardwood species. The EcoDoors range offers excellent protection against physical wear and tear, ideal for general handling and demanding locations. Laminate faced. EcoDoors are extremely hardwearing and resistant to fading and discolouration. Facings are guaranteed to always match. Solid core doors comply with building Regulations Approved Document E – Resistance to the passage of sound.



### Cellular Core EcoDoors – 44mm Thick

Description	Door Size (mm)	Code
Eco cellular core white oak door	1981 x 762	762718
Eco cellular core ash door	1981 x 762	762712
Eco cellular core maple door	1981 x 762	762716
Eco cellular core steamed beech door	1981 x 762	762714
Eco cellular core white oak door	1981 x 838	762719
Eco cellular core ash door	1981 x 838	762713
Eco cellular core maple door	1981 x 838	762717
Eco cellular core steamed beech door	1981 x 838	762715

### Solid Core EcoDoors – 44mm Thick

Description	Door Size (mm)	Code
Eco solid core white oak door	1981 x 762	762736
Eco solid core ash door	1981 x 762	762720
Eco solid core maple door	1981 x 762	762731
Eco solid core steamed beech door	1981 x 762	762725
Eco solid core white oak door	1981 x 838	762737
Eco solid core ash door	1981 x 838	762721
Eco solid core maple door	1981 x 838	762732
Eco solid core steamed beech door	1981 x 838	762726
Eco solid core white oak door	2040 x 726	762738
Eco solid core steamed beech door	2040 x 726	762727
Eco solid core white oak door	2040 x 826	762739
Eco solid core ash door	2040 x 826	762722
Eco solid core maple door	2040 x 826	762733
Eco solid core steamed beech door	2040 x 826	762728

### Eco Cellular Core Doors – 44mm Thick (continued)

Description	Door Size (mm)	Code
Eco solid core white oak door	2040 x 926	762740
Eco solid core ash door	2040 x 926	762723
Eco solid core maple door	2040 x 926	762734
Eco solid core steamed beech door	2040 x 926	762729
Eco solid core white oak door	2700 x 838	762741
Eco solid core ash door	2700 x 838	762724
Eco solid core maple door	2700 x 838	762735
Eco solid core steamed beech door	2700 x 838	762730

### 1 Hour EcoDoors – 54mm Thick

Description	Door Size (mm)	Code
1 Hour eco solid core white oak door	1981 x 838	762748
1 Hour eco solid core ash door	1981 x 838	762742
1 Hour eco solid core maple door	1981 x 838	762746
1 Hour eco solid core steamed beech door	1981 x 838	762744
1 Hour eco solid core white oak door	2040 x 826	762749
1 Hour eco solid core ash door	2040 x 826	762743
1 Hour eco solid core maple door	2040 x 826	762747
1 Hour eco solid core steamed beech door	2040 x 826	762745
1 Hour eco solid core white oak door	2040 x 926	752282
1 Hour eco solid core ash door	2040 x 926	752281

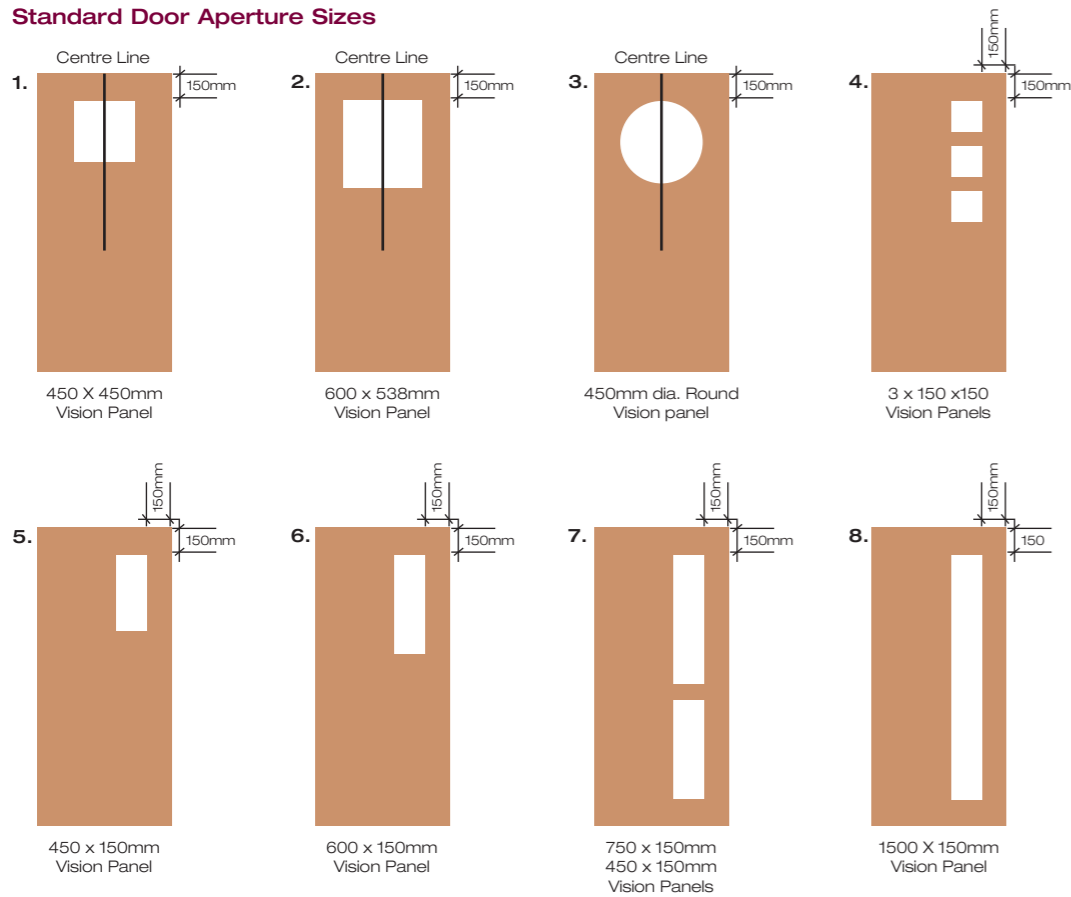
### Vision Panels

	Height (mm)	Width (mm)	Standard Door Aperture Sizes Set-out (mm)
1.	450	450	150 down and centred*
2.	600	538	150 down and centred*
3.	450 Ø round vision panel		150 down and centred*
4.	3 x 150	150	150 down and 150 in
5.	450	150	150 down and 150 in
6.	600	150	150 down and 150 in
7.	750 and 450	150 and 150	150 down and 150 in
8.	1500	150	150 down and 150 in

\*Side edge margin will vary according to the door width but for 30 minute fire rating will not be less than 127mm and for 60 minute fire rating will not be less than 150mm.  
 450mm Ø round vision panel available in solid core doors only.  
 All of the above vision panels are available glazed in either clear laminate glass, Pyroshield safety glass or 1/2 hour clear glass

### Vision Panels – Apertures

#### Standard Door Aperture Sizes



### Vision Panel Beading

#### Hockey stick beading for non fire rated doors

Description	Length (mm)	Code
Vision panel hockey stick beading sapele	3000	545041
Vision panel hockey stick beading white oak	3000	545180
Vision panel hockey stick beading maple	3000	545191
Vision panel hockey stick beading koto	3000	545218
Vision panel hockey stick beading american cherry	3000	545208
Vision panel hockey stick beading steamed beech	3000	545196

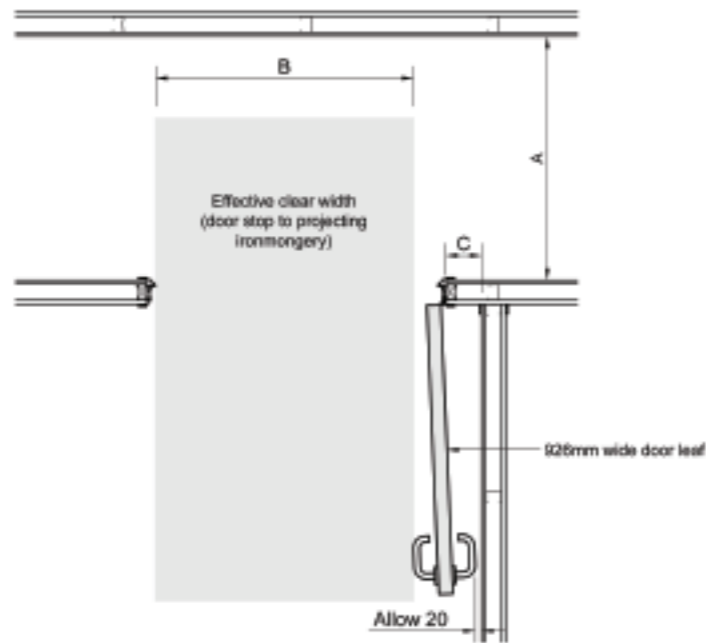
### Door Services

#### Description

- Fast fit – lock and hinge cut outs
- Fast fit – lock cut out only
- Fast fit – hinge cut outs only
- Door grooved at base for theshold seal (excludes seal)
- Cut down door in height from bottom
- Cut down and re-lip
- Rebated meeting styles
- Pair selection
- Various intumescent strips and seals
- 926mm wide door for use in fire rated Prima must be grooved and fitted with 1 20x4 Pyrostrip to top edge

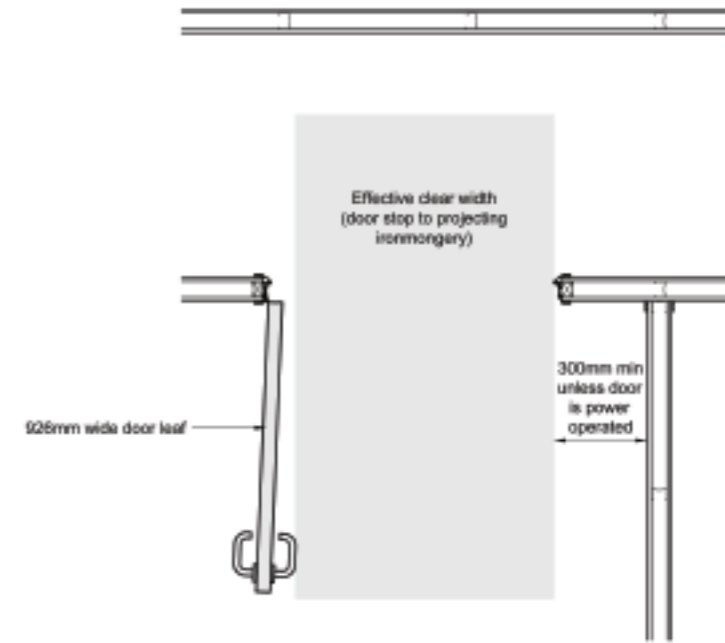
The building regulations approved document M (DDA1995)

Minimum effective clear widths of doors  
Approved Document 'M' - Details



The building regulations approved document M (DDA1995) (continued)

Minimum effective clear widths of doors  
Approved Document 'M' - Details

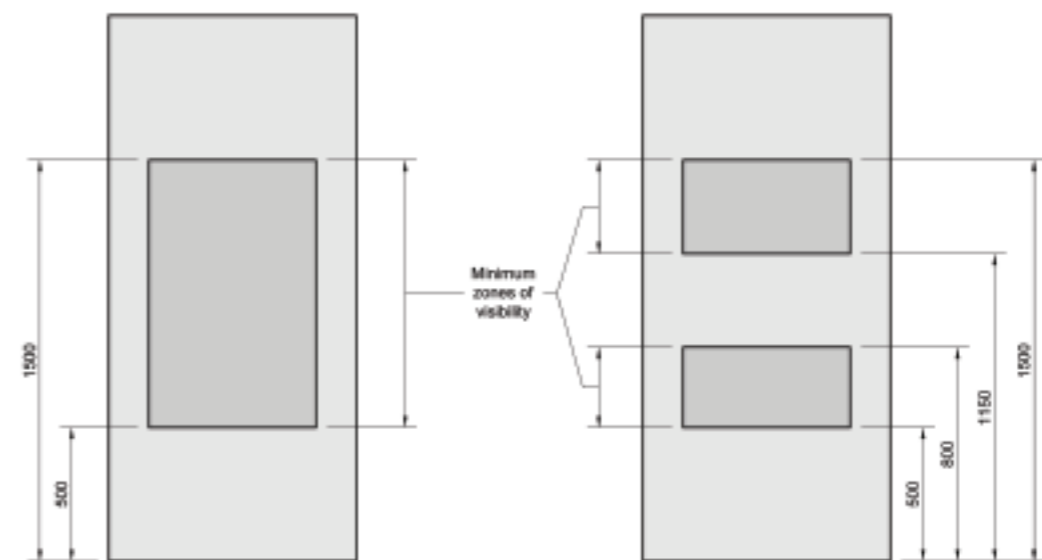


Direction and width of approach (A)	Existing buildings		New buildings	
	Minimum effective clear with (B)	Offset dimension (C)	Minimum effective clear with (B)	Offset dimension (C)
Straight-on (without a turn or oblique approach)	750	40	800	90
At right angles to an access route at least 1500 wide	750	40	800	90
At right angles to an access route at least 1200 wide	775	65	825	115
External doors to buildings used by the general public	775	N/A	1000	N/A

The effective clear width is the width of the opening measured at right angles to the wall in which the door is situated from the outside of the door stop on the door closing side to any obstruction on the hinge side, whether this be projecting door opening furniture, a weather board, the door or the door stop. For specific guidance on the effective widths of doors in sports accommodation, refer to 'Access for Disabled People'. For further information visit [www.odpm.gov.co.uk](http://www.odpm.gov.co.uk)

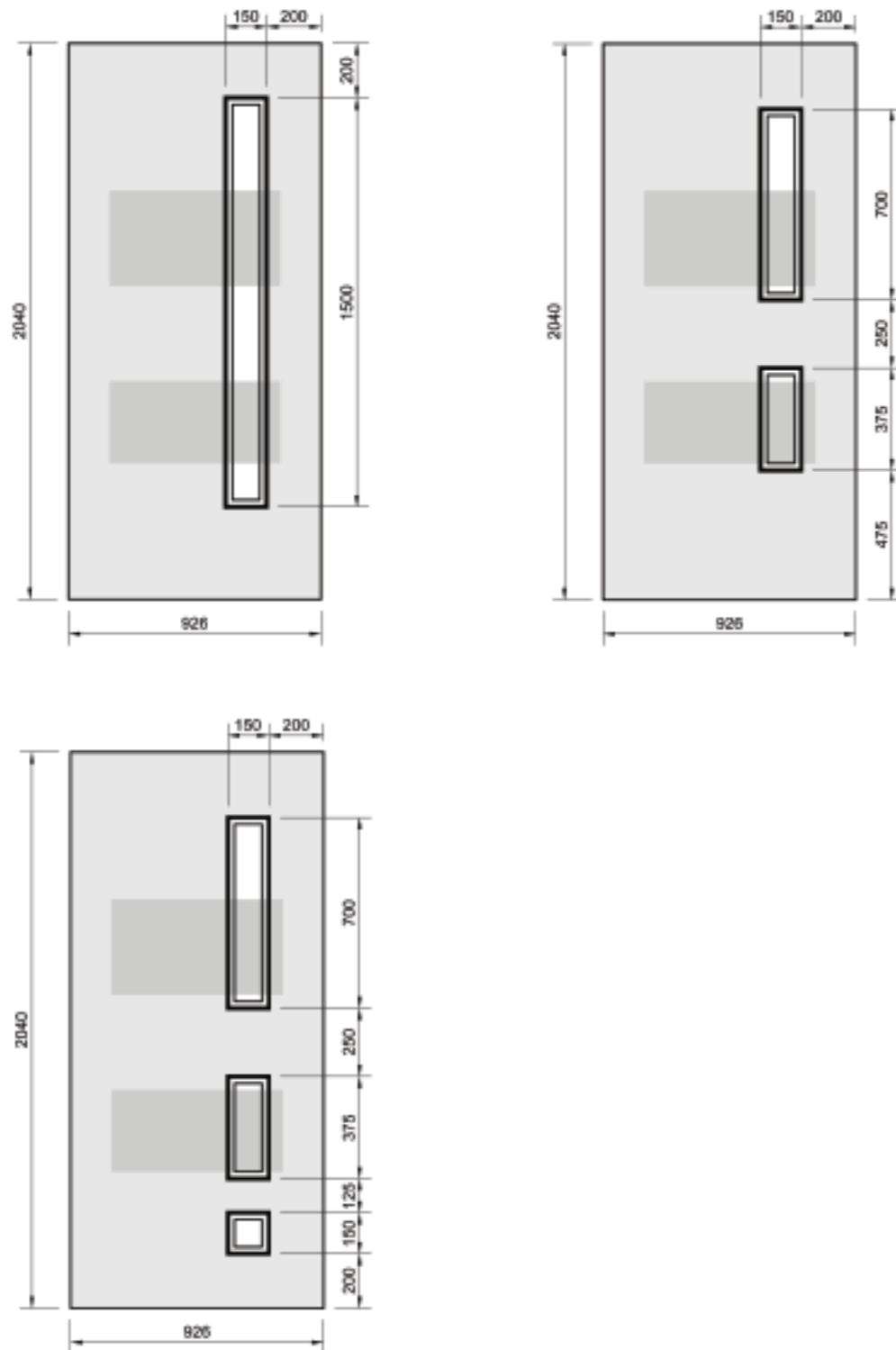
How to comply with minimum visibility requirements

Minimum visibility requirements  
Approved Document 'M' - Details



## How to comply with minimum visibility requirements

Minimum effective clear widths of doors  
Approved Document 'M' – Details



## The Building Regulations 2000

### Approved Document M Internal doors, provisions - 3.10

- Where a door needs to be opened manually, the opening force at the leading edge does not exceed 20N.
- The effective clear width through a single leaf door, or one leaf of a double leaf door, is as shown on page 100.
- There is an unobstructed space of at least 300mm on the pull side of the door between the leading edge of the door and any return wall, unless the door has power controlled opening or it provides access to a standard hotel bedroom.
- Where fitted with a latch, the door opening furniture can be operated with one hand using a closed fist, e.g. a lever handle.
- All door furniture contrasts visually with the surface of the door.
- The door frames contrast visually with the surrounding wall.
- The surface of the leading edge of any door that is not self closing, or is likely to be held open, contrasts visually with the other door surfaces and its surroundings.
- Where appropriate in door leaves or side panels wider than 450mm, vision panels towards the leading edge of the door have dimensions which include at least the minimum zone, or zones, of visibility between 500mm and 1500mm from the floor, if necessary interrupted between 800mm and 1150mm above the floor e.g. to accommodate an intermediate horizontal rail as shown on page 102.
- When made of glass, they are clearly defined with manifestation on the glass at two levels, 850mm to 1000mm and 1400mm to 1600mm, contrasting visually with the background seen through the glass in all lighting conditions.

- When made of glass or fully glazed, they are clearly differentiated from any adjacent glazed wall or partition by the provision of a high contrast strip at the top, and on both sides.
- Fire doors, particularly those in corridors, are held open with an electro-magnetic device, but self close when:
  - activated by smoke detectors linked to the door individually, or to a main smoke / fire alarm system
  - the power supply fails
  - activated by a hand operated switch
- Fire doors, particularly to individual rooms, are fitted with swing free devices that close when activated by smoke detectors or the buildings fire alarm system, or the power supply fails.
- Any low energy powered swing door system is capable of being operated in manual mode, in powered mode, or in power assisted mode

### Corridors and passageways, provisions - 3.14

- Any door opening towards a corridor, which is a major access route or an escape route, should be recessed so that when fully open, it does not project into the corridor space, except where doors are to minor utility facilities, such as small store rooms and locked duct cupboards.
- Any door from a unisex wheelchair accessible toilet projects when open into a corridor that is not a major access route or escape route, provided that the corridor is at least 1800mm wide at that point.
- On a major access route or an escape route, the wider leaf of a series of double doors with leaves of unequal width should be on the same side of the corridor throughout the length of the corridor.