

Inclusive Design for Outdoor Recreation

Built Environment



The following guidelines derive directly from *Irish Wheelchair Association Best Practice Guidelines 3, 2014*, (iwa.ie/access/). Also outlined in this section are the Building Regulations Part M Access and Use 2010 and Part B Fire Safety 2006.

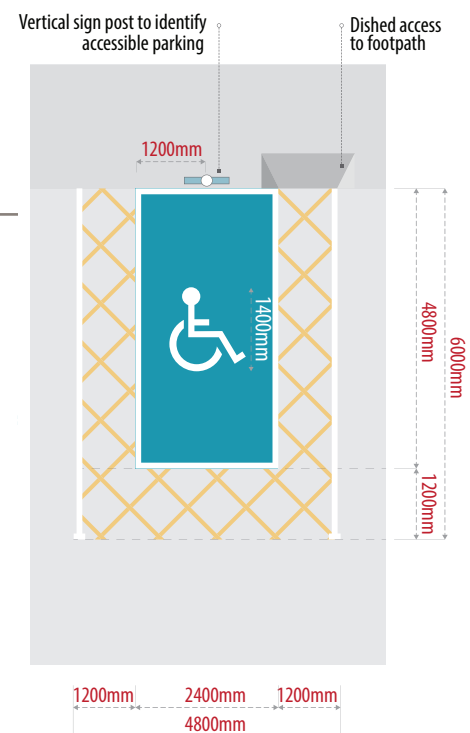
Further resources for sensory impairments can be found in the following organisations:

- National Council for the Blind in Ireland (ncbi.ie)
- Vision Sport Ireland (visionsports.ie)
- Deaf Sports Ireland (deafsportsireland.ie)

External Environment

Accessible Parking

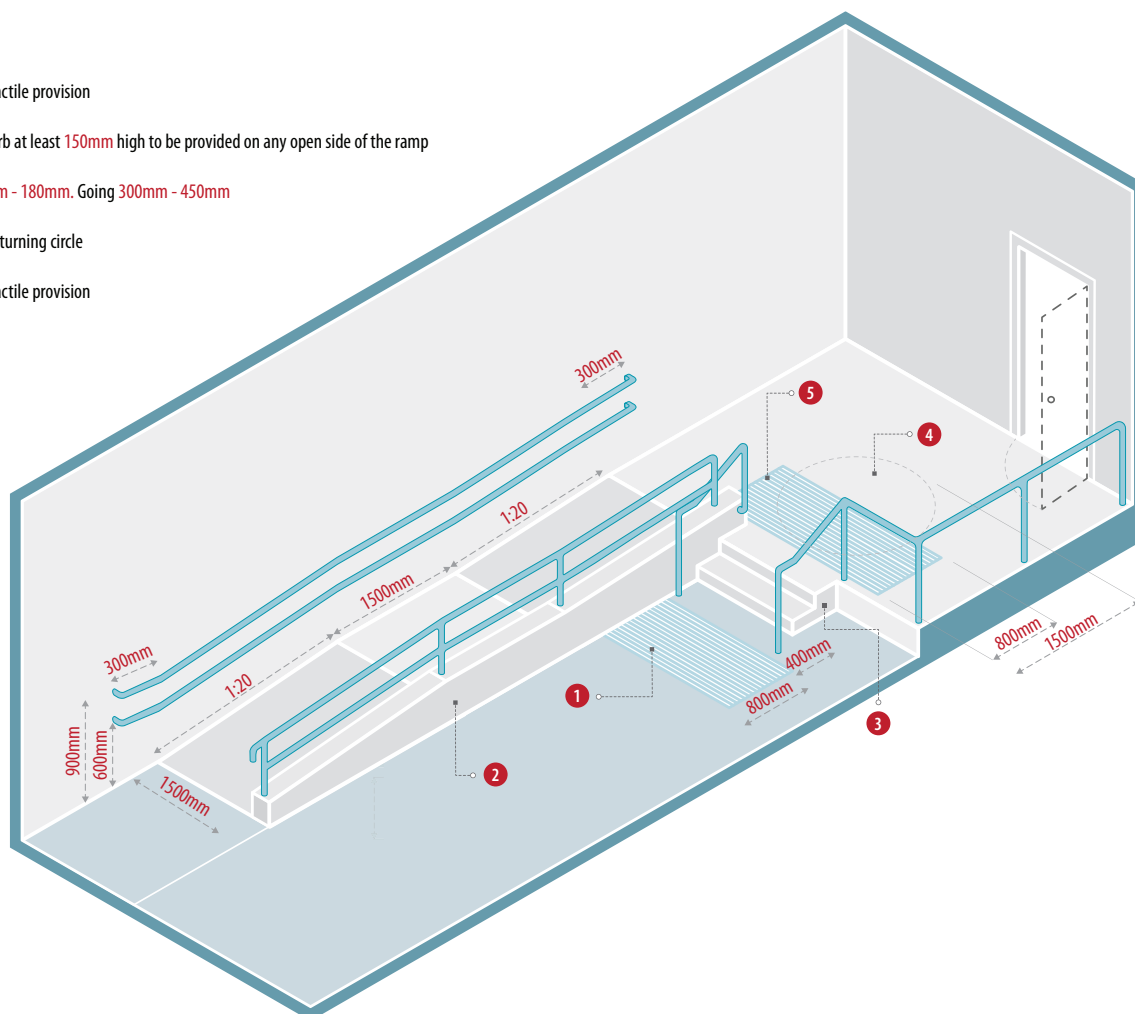
- | | |
|------------------|--|
| Location | 25m maximum distance from building entrance. |
| Variation | Variation of bay sizes to incorporate different types and sizes of vehicles. |
| Ratio | 1:15, 1:4 for multipurpose vehicles. |
| Surfacing | Firm and non-slip. |
| Colour | <ul style="list-style-type: none"> • White markings with blue background. • Surrounding area should hatched in yellow. |
| Kerbs | Dished kerbs to from parking bay leading onto route. |
| Lighting | Should be provided to the parking areas. |
| Size | <ul style="list-style-type: none"> • 4800mm x 6000mm for standard accessible parking bay. • 5400 x 7800mm for multipurpose vehicles. |



Pavements, Ramps & Steps

- Width** 2000mm will allow two wheelchairs to pass safely, if this is not possible, 1500mm at intervals will suffice. Interval areas may also include rest or seating area.
- Bollards** Should be contrast their surrounding area and be seen from both directions.
- Tactile Paving**
- Used as detectable warnings that the surface area is to change. Red is only used for controlled crossing.
 - Used at the start and finish of a ramp, or stairs.
- Gradients** To be as slight as possible with intermittent landings at the end of 10m slopes.
- Handrails** To be at both sides for the duration of the ramp/steps. It is advisable that they be matte and not shiny to ensure a higher contrast with the background.
- Turning Circles** Should be clear of obstructions at the start and finish of ramps.
- Steps** Ought To be accompanying a ramp where possible.
- Landings** Should be clear at the start and finish of each flight.

- 1 Corduroy tactile provision
- 2 A raised kerb at least 150mm high to be provided on any open side of the ramp
- 3 Rise 150mm - 180mm. Going 300mm - 450mm
- 4 Ø1800mm turning circle
- 5 Corduroy tactile provision



Internal Environment

Design

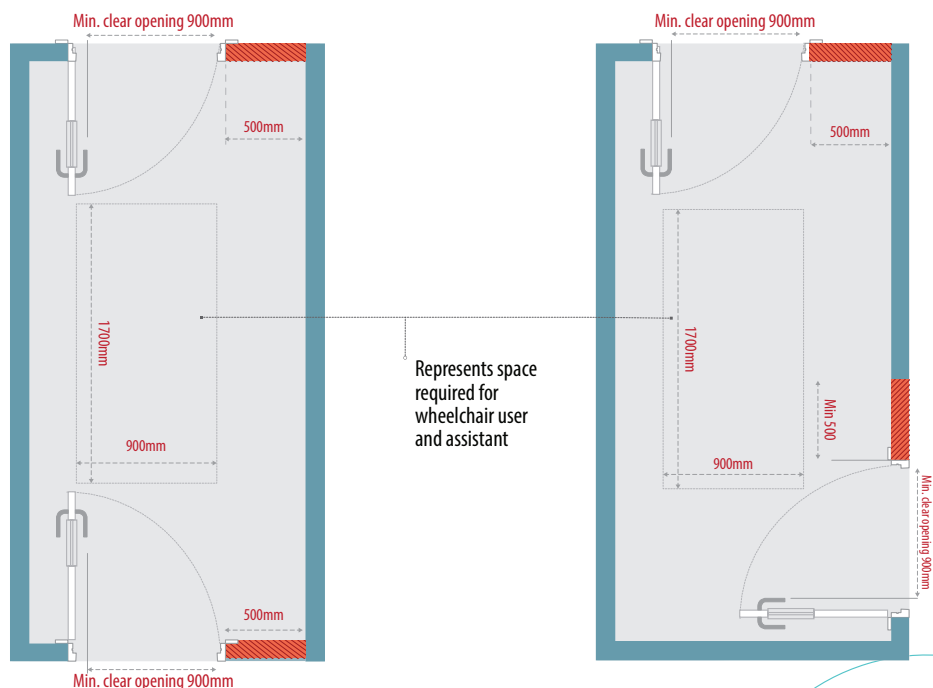
- Contrast** Create colour, and textile contrast between surface and entry points.
- Markings** Clearly visible markings on glazed doors.
- Surfacing** Should be non-slip and avoid deep carpets and door saddles.
- Lighting** Good light is recommended and decrease the chance of deceiving shadows.

Signage

- Consistent** All signage must follow a uniformed approach throughout the building.
- Font** Recommended font is San Serif in white on a dark background.
- Alternatives** Signs should have tactile lettering as well as available in Braille.

Reception Areas

- Size** Where possible, a clear area on either side of doors is recommended, this does not include the area which has a door swing in it.
- Location** Unobstructed approach and clearly identifiable.
- Reception Desk** Dual height desk to be available with a clear space underneath, this should not be used as an area to advertise leaflets and brochures but kept clear like the remainder of the desk.
- Induction Loops** Are recommend aiding those with a hearing impairment.



Doors

Location

Must be signposted well and clearly identifiable.

Type

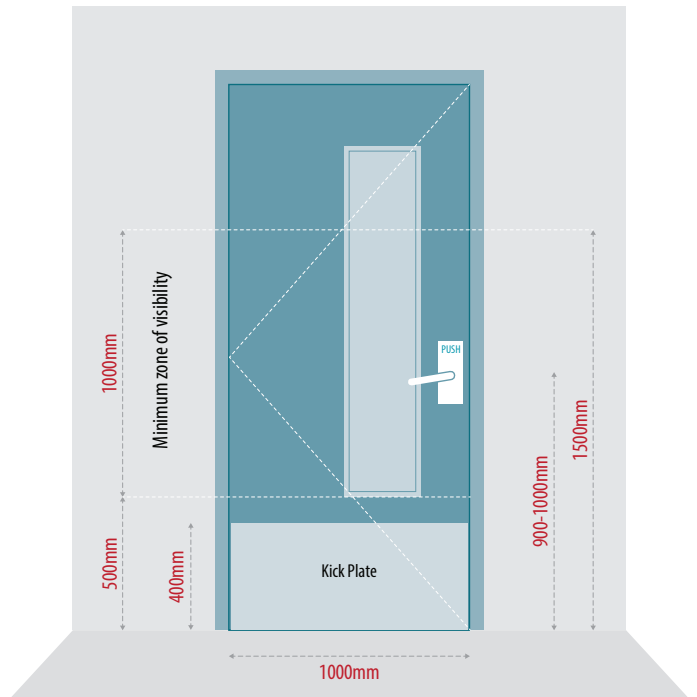
Automated doors would be the general recommendation. No matter the type of door, a clear area must be outside for manoeuvrability and weather protection.

Handles

Minimal strength and dexterity required.

Markings

Permanent marking is advisable to highlight visibility to those who may have a visual impairment, grey shades (circles or squares) do not suffice.



Lifts

Size

1800mm x 1800mm ideally, if this is not possible 2000mm x 1400mm.

Doors

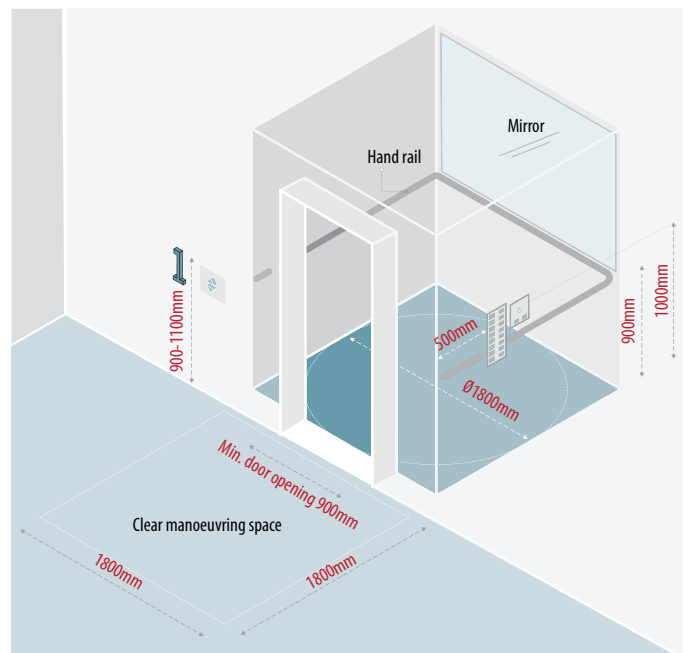
Open for a minimum of 8 seconds.

Clearing Circle

Should be available on entrance and exit of the lift.

Notifications

Audio and Visual notifications are recommended.



Corridors

Wayfinding

Colour and design should aid in directions

Obstructions

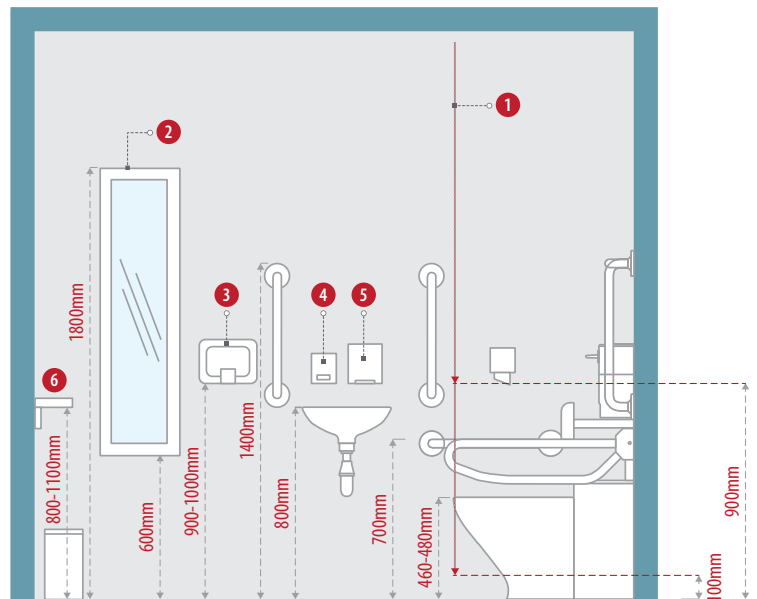
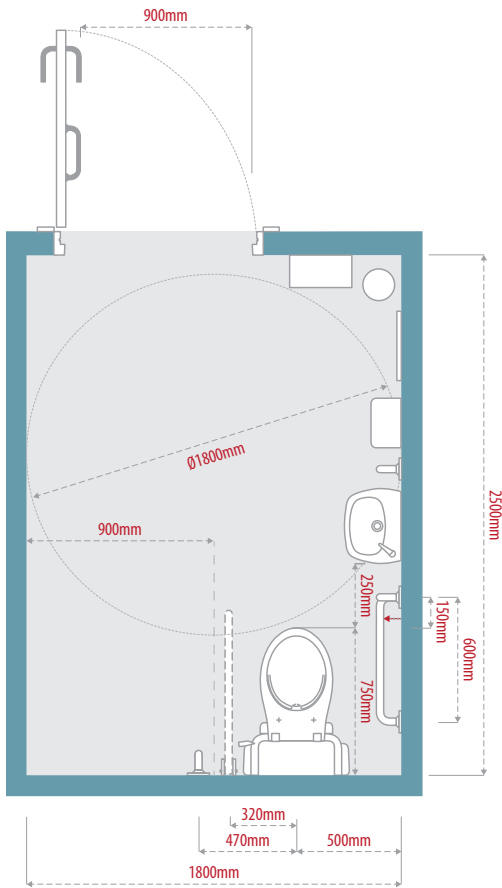
Walls should be kept clear along corridor

Doors

Should not open onto hallway, recommended to have a metallic catch to allow a person time to gain entry to the room simply.

Public Toilets

It is important to know that everyone has varying ability levels. When designing a WC or toilet consider that some people may not need assistance while others may require assistance. This will affect the layout of the room.



- 1 Alarm cord
- 2 Mirror
- 3 Hand dryer
- 4 Soap dispenser
- 5 Paper towel dispenser
- 6 Shelf

FIXTURES

Toilet

Clear transfer space from toilet to chair

Sink

Sensor operated tap, small cloakroom basins are not recommended

Mirror

Set at a height of 600-1800mm range

Emergency Alarm

Clearly identifiable emergency alarm system to be installed

INDEPENDENT USE

Ratio

1:4 in both male and female

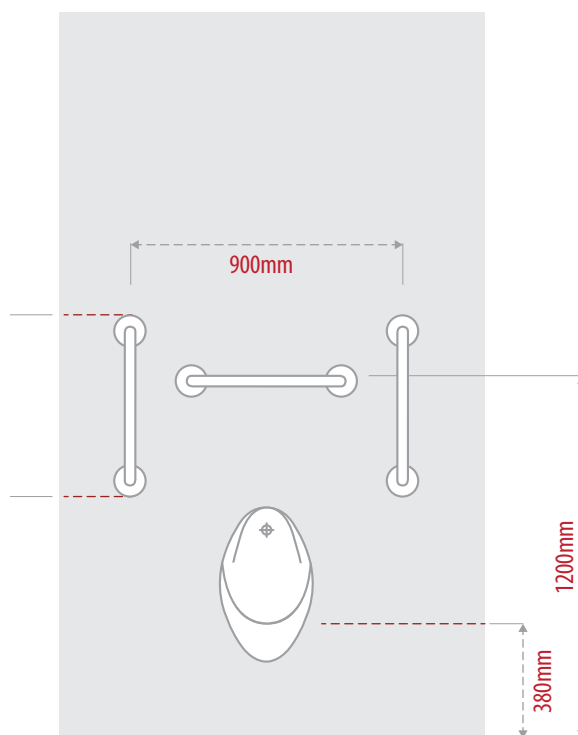
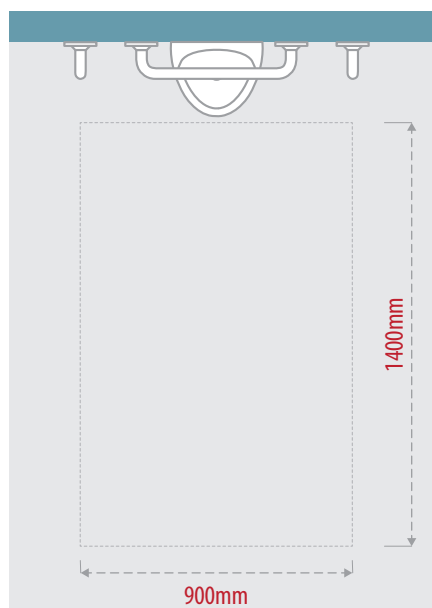
Unisex

At least one unisex accessible WC

ASSISTED USE

In large facilities it is recommended to have at least one large accessible WC with hoist and changing bench

Public Toilets



Changing Areas

These facilities are becoming increasingly available nationwide. They must meet specific standards laid out in www.changingplaces.ie to be recognised. Specifications such as:

- Centrally located toilet to allow access either side
- Space for up to two carers or assistants