

## Lift Signage (NBC B-6.4.1.e)

Signs indicating the location of an accessible lift should be provided in a location that is visible from the building entrance. The sign should incorporate a representation of the International Symbol for Accessibility.

A sign indicating the number of the floor should be provided on each lift landing on the wall opposite to the lift.

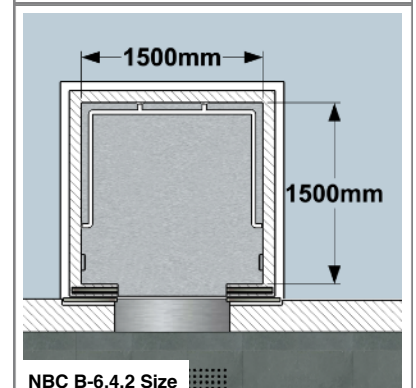
It is also recommended to install a floor directory of the main facilities and services available on the lift landing, along with an accessible emergency egress route that clearly indicates the location of nearest refuge areas for Persons with Disabilities. This should be enhanced with braille letters for visually impaired.



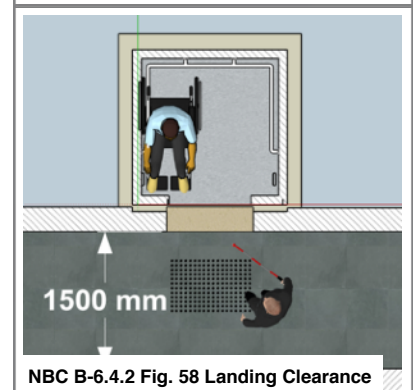
NBC B-6.4.1.e ISA Sign

## Building Quota Requirements

- Lifts should be placed in all buildings used by the public that are over **15 m** in height from ground level.
- At least one fire-lift for buildings over **15 m** height.
- For buildings above **21 m** there should be a minimum of **two** lifts.
- Lift should be within **25 m** of the entrance.
- As a minimum, lifts will always be provided from the ground floor or from parking basement where accessible parking and alighting are available.
- All floors should be accessed from the lift. If there are rooftop facilities such as swimming pool, roof-top garden or any other facility for the building users the lift should continue to that level.
- There should be no steps or level changes from the entrance of the building to the lift or are on any other floor.
- **Lifts should not open onto stair-landings.**



NBC B-6.4.2 Size



NBC B-6.4.2 Fig. 58 Landing Clearance

## Minimum Size of the Lifts (NBC B-6.4.2 Lift Size)

**1500 mm** wide x **1500 mm** deep.

## Lift Landing/Foyer Clear Areas outside Lift (NBC B-6.4.2 Fig. 58)

**1500 mm x 1500 mm** Clear area. The corridor outside the lift door must be at least **1500 mm** wide. The clear area must be free of obstacles such as planters and other items that might cause difficult for PwD including persons with vision impairment.

## Lift Door (NBC B-6.4.2 Fig. 58)

Clear opening of not less than **900 mm** and contrasting in colour from the adjoining wall. There should be no difference in level between the lift door and the floor surface at each level.

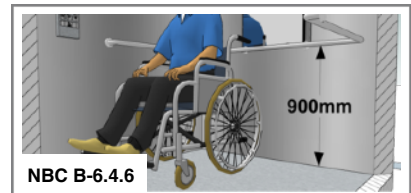


NBC B-6.4.2 Fig.58 Door Width

The gap between the lift door and building floor should not be more than **12 mm**. Time of closing of an automatic door should be more than **5 seconds** and the closing speed should not exceed **0.25 m/s**.

### Handrail Grab Bars (NBC B-6.4.6)

These should be placed at a height of **900 mm** from the floor level; and be fixed on both sides and at the rear of the lift.



NBC B-6.4.6

### Braille Enhanced Control Buttons (NBC B-6.4.4.c)

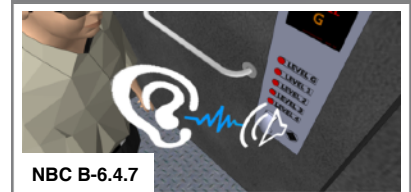
Braille/raised texture letters and in sharp contrast from the background to aid people with visual impairments.



NBC B-6.4.4.c

### Audio and Visual Indicators (NBC B-6.4.7)

The lift should have a voice announcement system along with a visual display to indicate the floor level. It should also announce that the door of the lift is opening or closing. The announcement system should be clearly audible i.e. the announcement should be a minimum of **50 decibels**.



NBC B-6.4.7

### Control Devices and Signals (NBC B-6.4.5.a)

The call button located outside the lift should:

- Have a clear floor space of at least **900 x 1200 mm** with no obstruction placed to prevent a wheelchair user from reaching the call button.
- At a height between **800 - 1000 mm**.



NBC B-6.4.5.a

### Emergency Call Buttons (NBC B-6.4.4)

The emergency communication system should be coupled with an induction loop system installed all around the lift. Telephone units, where provided, should have an inbuilt inductive coupler to assist persons using hearing aids.



NBC B-6.4.4

### Floor and Wall Surfaces of the Lift (NBC B-6.4.8)

The use of visually and acoustically reflective wall surfaces should be minimised within the lift as visual reflections can cause discomfort and affect the visual acuity of people with visual impairments. The floor of the lift should be slip resistant and have similar frictional qualities to the floor of the lift landing to decrease the risk of stumbling.

### Back Wall Mirror or Mirrored Wall (NBC B-6.4.8.c)

The provision of a mirror on the wall of the lift opposite the lift door is a positive aid to navigation for wheelchair users. It allows the wheelchair user to see if anyone is behind them and also to see the floor indicator panel. The mirror should not extend below **900 mm** from the lift floor to avoid confusing people with impaired sight.



NBC B-6.4.8.c

| Establishment Name<br>Building Name |                                 | Address  |        |       |
|-------------------------------------|---------------------------------|--|--------|-------|
| Description                         | Required                        | Y/N  | Actual | Notes |
| 01.<br>06.<br>01                    | Accessible Lift is present?     | At least one in every building                           |        |       |
| 01.<br>06.<br>02                    | Lift Dimensions                 | 1500 x 1500 mm   |        |       |
| 01.<br>06.<br>03                    | Lift Door Dimensions            | Minimum opening 900 mm                                   |        |       |
| 01.<br>06.<br>04                    | Lift Door Type                  | Automatic (Not collapsible jali, or swing door)          |        |       |
| 01.<br>06.<br>05                    | Lift Foyer Dimensions           | 1500 x 1500 mm clear area.                               |        |       |
| 01.<br>06.<br>06                    | Lift Controls at correct height | 900 to 1000 mm from floor                                |        |       |
| 01.<br>06.<br>07                    | Lift call button outside lift   | 900 to 1200 mm from floor                                |        |       |
| 01.<br>06.<br>08                    | Lift audio                      | Voice announcements for door open/close and floor number |        |       |
| 01.<br>06.<br>09                    | Lift Visual Indicator           | Display for floor numbers                                |        |       |
| 01.<br>06.<br>10                    | Rear wall mirror                | Above 900 mm from the floor.                             |        |       |
| 01.<br>06.<br>11                    | Other                           |  |        |       |