

Bathrooms

AS.01.10 Datasheet - Bathrooms

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Bathrooms To Be Provided (NBC 13.5, Table 8)

To be not less than 5% in all government low cost housing development, in private housing developments, hotels, dormitories, lodging and rooming houses, such as inns, clubs, motels, guest houses, sport facilities, transport hubs or anywhere else that bathing facilities are provided.

General Categorisation of Building Typologies (HGSS 4.1 Category 1: Residential)

In new apartment buildings construction for rent or sale, **access elements** for Persons with Disabilities should be provided. In old constructions, modification of **entry & exit**, kitchens, washrooms, rooms, etc. should be carried out as per **Chapter 5**.

Bathroom Size (NBC B-9.14.1)

A bathroom without toilet will be not less than **2200 mm x 2000 mm**. A bathroom with toilet will be not less than **2500 mm x 2400 mm**.

Sports Buildings (NBC 13.5, Table 8 x) & b)

At least one changing room and shower room to be provided at every place where such facilities are provided.

How Many? (NBC 13.5, Table 8. ii)

A minimum of **5%** or minimum one of the accommodation whether private residential housing or public buildings providing such facilities like hotels, university halls etc (including their toilet room, shower room, balcony, etc, shall be accessible and preferably be provided on the ground floor for ease of evacuation in case of an emergency.

What to Provide in other Bathrooms (NBC 13.5, Table 8. ii)

All other rooms shall have universal design features (without specific adaptations like handrails/grab bars, etc). This would include minimum clear door widths of **900 mm** of all entrances including those of sanitary rooms and balcony areas; and minimum passage width of **1200 mm** in the rooms and required turning radius.

Individual Shower Room (NBC B-9.14.6)

A clear floor space of at least **1350 mm x 900 mm** shall be provided on the clear side of the foldable seat, to allow access from a wheelchair, in addition to the manoeuvring space of **1500 mm**.

The screening of a shower recess shall be either a curtain or a door system that maintains the required circulation and manoeuvring space and does not interfere with the level entry. Fixed screens cannot be used.

Shower Seat (NBC B-9.14.3)

The shower seat should be able to be stored in the folded up position. If it is in the corner position then its centreline should be **450 - 500 mm** from the wall and at a height of **450 - 500 mm**.

Fixtures and Fittings Colour Contrast (B-9.14.6)

Fixtures and fittings in sanitary facilities should visually contrast with the items and surface on which they are positioned. Use of the same colour everywhere, for example white basins and white tiles, etc, shall be avoided and colour and tonal contrast should be used to differentiate elements in the environment.

Switches (NBC B-7.2)

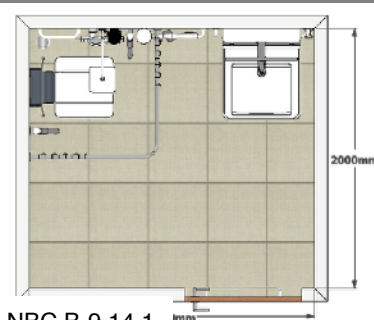
Should be provided between **800 - 1100 mm** above floor level. The minimum illumination measured at **800 mm** above floor level shall be **200 lux** in the area of the washbasin.

Alarm (NBC B-9.12)

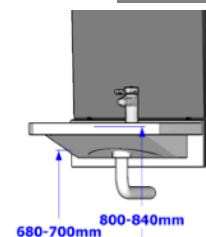
An assistance alarm, which can be reached from changing or shower seats, from the commode and by a person lying on the floor, shall be provided in all accessible toilets and accessible sanitary rooms.

It should take the form of a pull cord, coloured red, with two red bangles of **50 mm** diameter, one set at a height between **800 - 1100 mm** and the other set at **100 mm** above floor level.

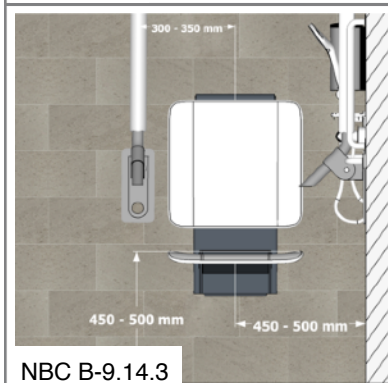
Bathroom Without Toilet



NBC B-9.14.1



NBC B-9.7



NBC B-9.14.3



NBC B-9.12

Floor Surface (NBC B-9.17)

The floor surface shall be slip resistant, anti-glare and firm.

Commode/Toilet Seat Height (NBC B-9.5.a)

Where there is a commode provided it shall have conform to the standards of accessible toilet requirements with seat height between **450 - 480 mm** height and all requirements for handrails as per the standards.

Bathroom Door (NBC B-5.3)

Bathroom (toilets/washroom) doors should swing out or should be two way opening type. In case there is not much space available use of sliding or folding doors is optional. Minimum opening width will be a **900 mm**. It shall not require a force of more than **22 N**.

Door Handle and Lock Type (NBC B-5.3.7)

The door handle and lock will be lever type. Use of door knob and knob type lock will not be used. For sliding doors, recessed finger tip door handles will not be used. Extra width of door way such as **1000 mm** might be required to provide sufficient inside door handle space without pinch points.

Table or Clothing Rack (NBC B-9.2.2.2.m)

Provided at a height of **800 mm**. **400 mm** wide and **200 mm** deep.

Washbasin (NBC B-9.7)

The top of the washbasin should be: **800 - 840 mm** from the floor. Be mounted such that the minimum distance between the centreline of the fixture and the side wall is **460 mm**.

Mirror (NBC B-9.7.j)

The bottom edge at a height of not more than **1000 mm** from the floor as shown in the figure; and mirror shall be tilted at an angle of **30°** for better visibility of wheelchair user. Care shall be taken in placing mirrors and lights to avoid confusion and dazzling for the visually impaired.

Knee and Toe Space (NBC B-9.7.d)

Knee space at least **750 mm** wide by **200 mm** deep by **680 - 700 mm** high. Toe space of **750 mm** wide x **230 mm** deep x **230 mm** high.

Manoeuvring space in front of washbasin (NBC B-9.7.a)

900 mm wide by **1200 mm** deep, of which a maximum of **480 mm** in depth may be under the wash basin.

Cloth Hooks (NBC B-9.8)

Mounted on a side wall not more than **1200 mm** from the floor and projecting not more than **40 mm** from the wall.

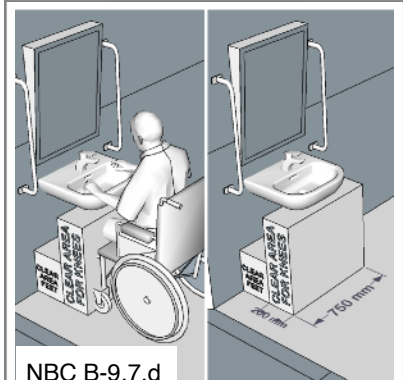
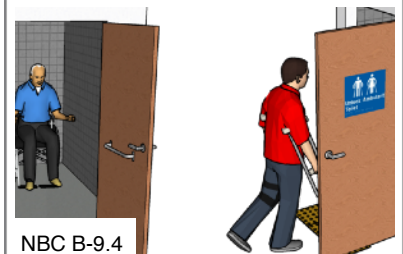
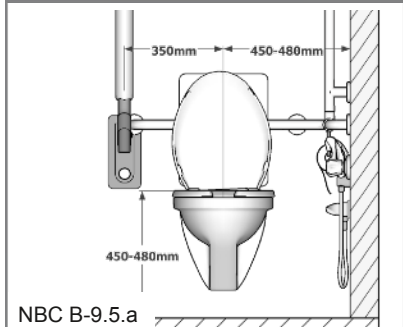
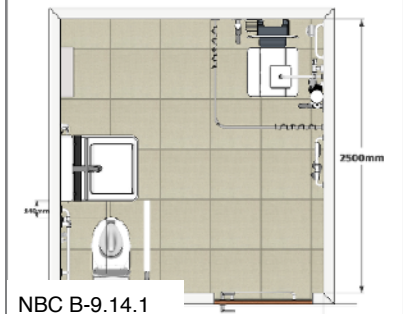
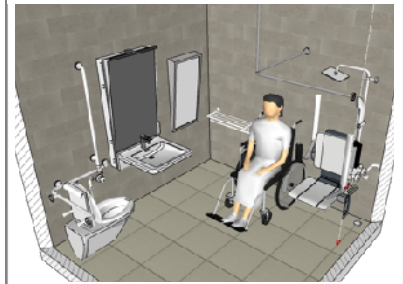
Shelf (NBC B-9.2.2.2)

400 mm x **200 mm** fixed at a height of between **900 - 1000 mm** from the floor.

Signage (NBC B-9.18)

Signage shall be clearly visible incorporating the international symbol of accessibility and shall comply with the requirements given in **B-24**.

Bathroom with Toilet



Bathrooms

Establishment Name Building Name				Address	
	Description	Required	Y/N	Actual	Notes
01. 10. 01	Minimum quantity provided As required	Minimum 1 or 5% which ever is greater.			
01. 10. 02	Where other bathrooms are provided are they as per Universal Design with door width etc	Door Width: 900 mm Access Min Width: 1200 mm			
01. 10. 03	Bathroom Without Toilet Dimensions: Provided as per the minimum standard size	Depth: 2200 mm Width: 2000 mm			
01. 10. 04	Bathroom With Toilet Dimensions: Provided as per the minimum standard size	Depth: 2500 mm Width: 2400 mm			
01. 10. 05	Minimum Turning Clearance: Space required for turning a wheelchair inside	Dimensions: 1500 mm x 1500 mm			
01. 10. 06	Folding Shower Seat: Provided and as per dimensions.	Dimensions: 650 mm from wall			
01. 10. 07	Folding Shower Seat Backrest: Provided and as per requirement	Provide behind seat			
01. 10. 08	Space Adjacent to Shower Seat: Clear area provided and as per requirement	Dimensions: 1350 mm x 900 mm			
01. 10. 09	Shower Seat Armrests: One fixed handrail on wall and one folding armrest on open side.	Height: 200 - 250 mm Above seat			
01. 10. 10	Contrast of Fixtures & Fittings: Minimum tonal contrast against background surfaces.	Min Contrast: 70% LRV			
01. 10. 11	Switches Position: Height of switches	Height: 800 - 1100 mm			
01. 10. 12	Alarm Switch Provided: Corded pull switch provided at height.	Handle Height: 800 - 1100 mm & 100 mm			
01. 10. 13	Floor Surface: Non-slip surface. No glossy tiles or slippery surfaces with good drainage.	Non-Glossy Good Drainage			
01. 10. 14	Toilet Door: Minimum width, lever type lock and handle, open outward or slide, grab rail on inside.	Minimum Width: 900 mm Grab Handle Height: 1000 mm Handle & Lock Type: Lever			
01. 10. 15	Washbasin: Provided with clear space underneath without cupboards or any obstacle to wheelchair and legs. Faucet Type: Only OnLever	Top Height: 800 - 840 mm Bottom Height: 680 mm Knee Space: 750 mm Wide x 200 mm Deep, 680 mm Height			
01. 10. 16	Clearance around Washbasin Sufficient clearance to move around in wheelchair.	Width: 900 mm Depth in front: 1200 mm Depth Underneath: 450 mm			
01. 10. 17	Where Provided - Toilet Seat Height: From the level of the floor to the toilet seat	Height: 450 - 480 mm			
01. 10. 18	Cloth Hook(s): At least one provided as well as a table or clothing shelf.	Hook Height: 1200 mm Shelf Height: 800 mm			
01. 10. 19	Mirror Provided:	Height: 1000 mm from floor Type: Tilted 30°			
01. 10. 20	Signage: International symbol for accessibility (except when inside an accessible accommodation suite)	Sign: on door and guiding type on accessible route for guidance to facility.			
01. 10. 21	Other				