

## **Summary of Amendments to the Design Manual: Barrier Free Access 2008 (June 2019)**

<i><b>Design Considerations and Recommended Design Requirements under Best Practice Section:</b></i>	
1	Braille and tactile information for lockers (item 1)
2	Braille characters both in Chinese and English (item 2)
3	Lift control buttons of accessible lift cars (items 3 and 4)
4	Detection device of accessible lift cars (item 5)
5	Increasing depth of accessible lift cars (item 6)
6	Audio and visual indicators in lift cars (item 7)
7	Communication system in lift cars (item 8)
8	Typical layout of guestroom in hotels, hostels and guesthouses (item 9)
9	Hold-open device for fire-rated doors (item 10)
10	Width of door (item 10)
11	Washroom accessories in accessible toilet (item 11)
12	Mirror for wheelchair users at accessible toilet (item 12)
13	Audible and visible alarm signal for emergency call bells (item 13)
14	Public information or service counters (item 14)
15	Baby care room (item 15)
16	Drinking fountains (item 16)

# **Amendments to the Design Manual: Barrier Free Access 2008**

## **( June 2019 )**

Legends:

 Amended

 Deleted

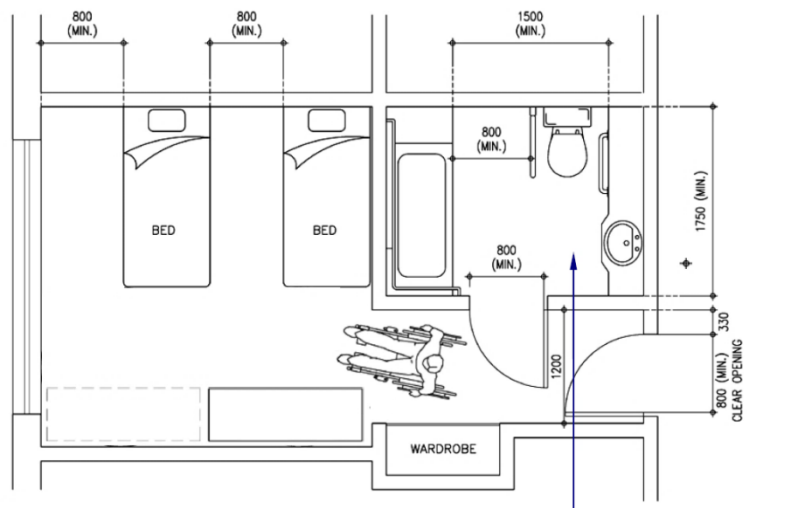
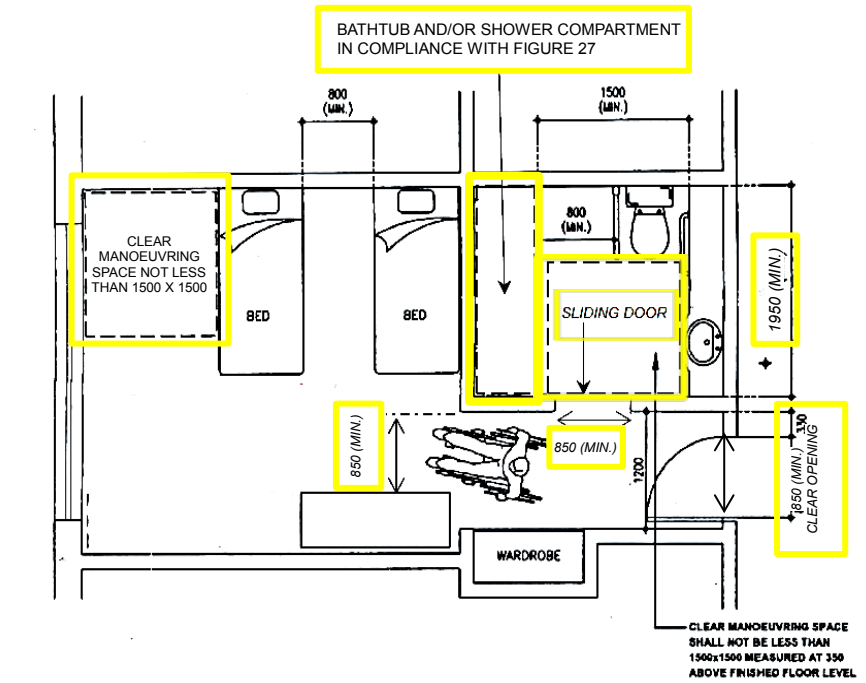
# Design Considerations under Best Practice Section

\* Recommended Design Requirements under Best Practice Section

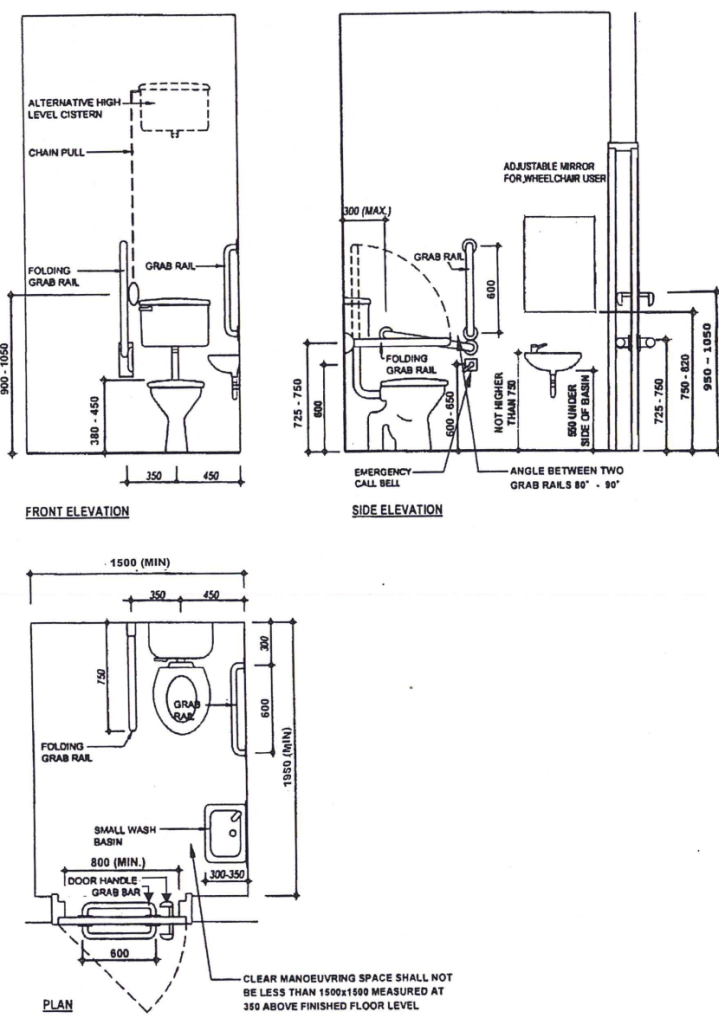
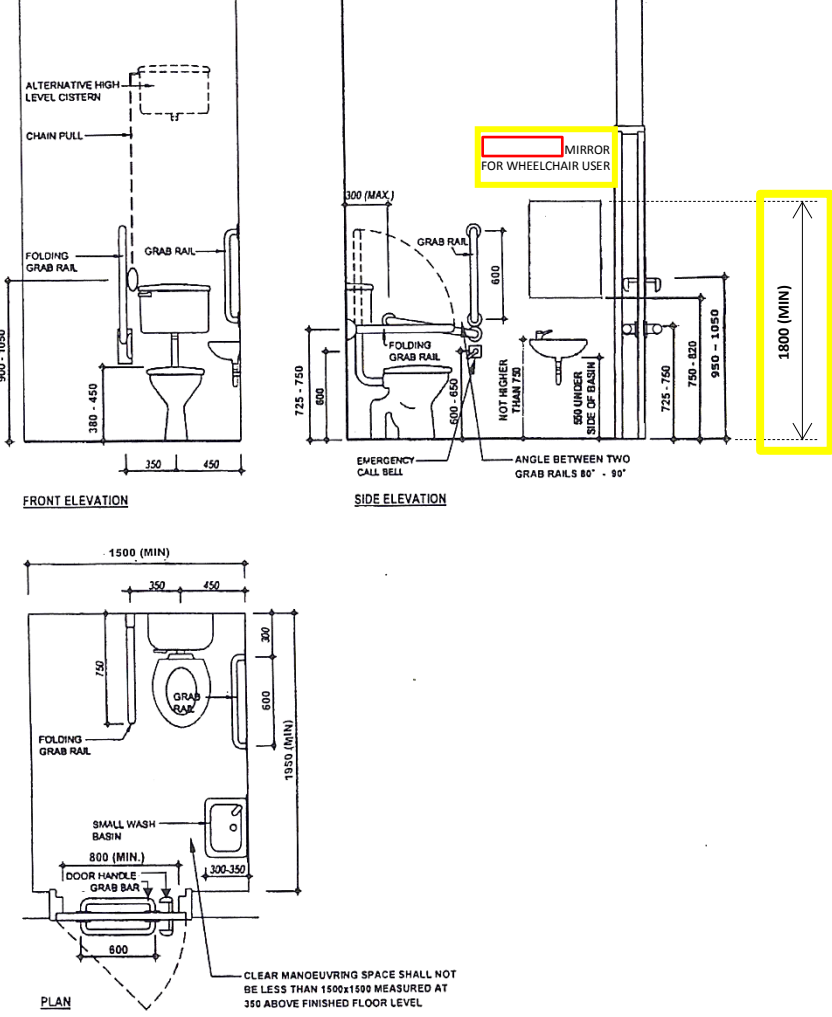
Item	2008 version	Amendments
1. Division 13 of Chapter 4#*		<p data-bbox="1128 260 1895 295"><i>(To add Sections A and B after Figure 32 for paragraph 68)</i></p> <p data-bbox="1193 320 1588 355"><b>BEST PRACTICE SECTION</b></p> <p data-bbox="1128 381 1500 416"><b>A. Design Considerations</b></p> <p data-bbox="1193 442 2114 515">Persons with visual impairment may have difficulty in identifying their lockers for public use.</p> <p data-bbox="1128 541 1693 576"><b>B. Recommended Design Requirements</b></p> <p data-bbox="1193 601 2114 710">Each locker door in sports complex, public swimming pool complex or public areas should be provided with Braille cells and raised Arabic numerals/characters*.</p> <p data-bbox="1193 735 2114 809">* The locker key holders should be provided with raised Arabic numerals/characters.</p>
2. Section A in Division 14 of Chapter 4#		<p data-bbox="1128 845 1839 880"><i>(To add paragraph (g) after paragraph (f) in Section A)</i></p> <p data-bbox="1128 906 2114 979"><b>(g)</b> Braille Characters in both English and Chinese should be provided on signs as far as possible if space could accommodate them.</p>
3. Section A following paragraph 80 of Division 19 of Chapter 4#		<p data-bbox="1128 1013 1863 1048"><i>(To add paragraph (ba) after paragraph (b) in Section A)</i></p> <p data-bbox="1128 1074 2002 1109"><b>(ba)</b> Keypad control device should be avoided as far as practicable.</p>

Item	2008 version	Amendments
4. Section B following paragraph 80 of Division 19 of Chapter 4*		<p><i>(To add paragraphs (ba) and (bb) after paragraph (b) in Section B)</i></p> <p>(ba) In addition to the essential lift control buttons required under paragraph 80(1), another set of essential lift control buttons should be installed on one of the side walls of lift car, preferably in the middle and on the right side from the entering direction. For two lift door openings design, the additional set of essential lift control buttons should be on any side wall.</p> <p>(bb) Lift control buttons in lift cars should have a minimum luminous contrasts of 50% with the background surfaces.</p>
5. Section B following paragraph 80 of Division 19 of Chapter 4*		<p><i>(To add paragraph (g) after paragraph (f) in Section B)</i></p> <p>(g) An additional detection device positioned at a height of 200 mm above the floor of the lift car should be provided.</p>
6. Section B following paragraph 80 of Division 19 of Chapter 4*		<p><i>(To add a heading and paragraph (h) after paragraph (g) added in item 5 above)</i></p> <p><b>Depth of Accessible Lift Car</b></p> <p>(h) The clear depth of an accessible lift car should be not less than 1 500 mm.</p>

Item	2008 version	Amendments
7. Section A following paragraph 83 of Division 19 of Chapter 4#	<p><b>A. Design Considerations</b></p> <p>Signs indicating the location of an accessible lift should be clearly visible from the main entrance of the building. Additionally, a sign identifying the floor reached should be provided on each landing in a location that can be easily seen from the lift and is designed in luminous contrasts with its surroundings.</p>	<p><i>(To designate the existing requirement as paragraph (a) and to add paragraph (b) in Section A)</i></p> <p><b>A. Design Considerations</b></p> <p>(a) Signs indicating the location of an accessible lift should be clearly visible from the main entrance of the building. Additionally, a sign identifying the floor reached should be provided on each landing in a location that can be easily seen from the lift and is designed in luminous contrasts with its surroundings.</p> <p>(b) The audio indication of the stopping floor should be clear and without background noise.</p>
8. Section B following paragraph 83 of Division 19 of Chapter 4*		<p><i>(To add headings and paragraphs (c), (d) and (e) after paragraph (bb) in Section B)</i></p> <p><b>Indication in Lift Cars</b></p> <p>(c) The visual indicators and audio indication required under paragraph 82 should be provided in all other passenger lift cars.</p> <p>(d) The voice for audio indication in passenger lifts should be more than 10 dB and should not be more than 80 dB above ambient level, measured at the annunciator. The voice should have a frequency between 300 Hz and 3 000 Hz.</p> <p><b>Visual Communication System</b></p> <p>(e) A visual communication system such as the provision of monitor for video call in the lift car should be provided to all passenger lifts to assist persons with hearing impairment in lift car to communicate with the building management office or the caretaker's office in emergency situation.</p>

Item	2008 version	Amendments
<p>9. Figure 2 in Division 2 of Chapter 4*</p>	 <p>The diagram shows a typical guest room layout with two beds, a wardrobe, a bathroom, and a clear manoeuvring space. Dimensions are in mm. Key dimensions include: 800 (MIN.) for bed width, 1500 (MIN.) for room width, 1750 (MIN.) for room depth, 800 (MIN.) for bathroom width, 1200 for wardrobe width, 1200 for clear opening, and 330 for clear opening. A note states: 'CLEAR MANOEUVRING SPACE SHALL NOT BE LESS THAN 1500x1500 MEASURED AT 350 ABOVE FINISHED FLOOR LEVEL'.</p> <p>Figure 2 – Typical Guest Room Layout</p>	 <p>The diagram shows the same typical guest room layout with amendments highlighted in yellow. Key amendments include: 'BATHTUB AND/OR SHOWER COMPARTMENT IN COMPLIANCE WITH FIGURE 27', 'CLEAR MANOEUVRING SPACE NOT LESS THAN 1500 X 1500', 'SLIDING DOOR', '1950 (MIN.)', '850 (MIN.)', and '850 (MIN.)'. A note states: 'CLEAR MANOEUVRING SPACE SHALL NOT BE LESS THAN 1500x1500 MEASURED AT 350 ABOVE FINISHED FLOOR LEVEL'.</p> <p>Figure 2 – Typical Guest Room Layout</p>

Item	2008 version	Amendments
10. Section B in Division 10 of Chapter 4*		<p data-bbox="1128 260 2119 331"><i>(To add headings and paragraphs (h) and (i) after paragraph (g) in Section B)</i></p> <p data-bbox="1128 360 1677 392"><b>Doors to Areas with Accessible Facilities</b></p> <p data-bbox="1128 421 2119 603">(h) Fire rated doors leading to areas with accessible facilities should be provided with hold-open device except for doors to a required staircase forming part of a protected exit and its protected lobby. Doors not for fire safety purposes leading to areas with accessible facilities should be automatic.</p> <p data-bbox="1128 632 1341 663"><b>Width of Doors</b></p> <p data-bbox="1128 692 2119 799">(i) Door, including one leaf of a double-leaf door, should have a clear width of not less than 850 mm between the open door and opposite jamb or the other leaf.</p>
11. Section B in Division 11 of Chapter 4*		<p data-bbox="1128 834 2040 866"><i>(To add a heading and paragraph (p) after paragraph (o) in Section B)</i></p> <p data-bbox="1128 895 1442 927"><b>Washroom Accessories</b></p> <p data-bbox="1128 956 2119 1062">(p) The manually operated controls of washroom accessories should be at a position which is not higher than 1 100 mm above the finished floor level.</p>

Item	2012 version	Amendments
<p>12. Figure 24 in Division 11 of Chapter 4*</p>	 <p>FRONT ELEVATION</p> <p>SIDE ELEVATION</p> <p>PLAN</p> <p>*ALL DIMENSIONS ARE IN mm DIMENSIONS PRINTED IN BOLD FORM DENOTE OBLIGATORY REQUIREMENT DIMENSIONS PRINTED IN ITALIC FORM DENOTE RECOMMENDED REQUIREMENT</p> <p>(Opposite - Handed Layout is Acceptable)</p> <p><b>Figure 24 – Accessible Toilet</b></p>	 <p>FRONT ELEVATION</p> <p>SIDE ELEVATION</p> <p>PLAN</p> <p>*ALL DIMENSIONS ARE IN mm DIMENSIONS PRINTED IN BOLD FORM DENOTE OBLIGATORY REQUIREMENT DIMENSIONS PRINTED IN ITALIC FORM DENOTE RECOMMENDED REQUIREMENT</p> <p>(Opposite - Handed Layout is Acceptable)</p> <p><b>Figure 24 – Accessible Toilet</b></p>



Item	2008 version	Amendments
13.Division 17 of Chapter 4*		<p><i>(To add Section B after Section A)</i></p> <p><b>B. Recommended Design Requirements</b></p> <p>(a) The emergency call bell when activated should emit audible and visible alarm signal which should be readily noticeable for summoning assistance.</p> <p>(b) Visible and audible signal should be emitted inside the accessible toilet when the emergency call bell is activated.</p>
14.Division 15 of Chapter 4*		<p><i>(To add Section B after Section A)</i></p> <p><b>B. Recommended Design Requirements</b></p> <p>Leg space of a depth between 480 mm to 600 mm should be provided for public information or service counters.</p>
15. Section B in Division 11 of Chapter 4*		<p><i>(To add a heading and paragraph (fa) after paragraph (f) in Section B)</i></p> <p><b>Baby Care Room</b></p> <p>(fa) The room should be provided with a clear manoeuvring space not less than 1 500 mm x 1 500 mm measured at 350 mm above finished floor level.</p>
16.Section B in paragraph 5.6 of Chapter 5*		<p><i>(To add paragraph (d) (iv) and (v) after paragraph (d)(iii) in Section B)</i></p> <p><b>Control</b></p> <p>(d) Controls should: -</p> <ul style="list-style-type: none"> <li>(i) be at or near to the front of the fountain;</li> <li>(ii) be operable with one hand; and</li> <li>(iii) require no tight grasping, pinching, or twisting of the wrist;</li> <li>(iv) require a force of 22N or less to activate; and</li> <li>(v) be hand-operated control with minimum dimension of 50 mm.</li> </ul>