Space allowances for primary access route is to cater for the anthropometrics shown.

- Wheelchair and a person facing sideways
- Wheelchair and a person
- Two wheelchairs
### ACCESSIBLE ROUTES, CORRIDORS AND PATHS

<table>
<thead>
<tr>
<th>Building Type</th>
<th>Minimum width of accessible route</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential developments, hotels, boarding houses, service apartments, workers’ dormitories, hostels, halls of residence or dormitories etc. Schools, office buildings Factories, workshops, industrial buildings and offices/showroom areas in warehouses</td>
<td>1500 mm Less frequented by public</td>
</tr>
<tr>
<td>Universities, colleges and similar institutions of learning Parks, open spaces and places of public resort Sport complexes and public swimming pools MRT stations and bus interchanges and passenger terminals Shopping centres and multi-purpose complexes Markets, hawker or food centres, restaurants and eating establishments Hospitals, nursing homes, welfare homes and homes for the aged</td>
<td>1800 mm Frequented by public</td>
</tr>
</tbody>
</table>

Table 3 – Primary Accessible Route Width (Cl 4.2.1)

**primary access route** is the main access route used by the occupants or visitors from the road to the main entrance and the key functional or activity areas of the place or building

**secondary access route** is an access route provided in addition to the primary access route and caters to a lower volume of human traffic
Space required for 180° turn in a corridor shall be at least 2000mm in the direction of travel and not less than 1500mm wide.

Passing space shall be at least 1800 x 1800mm at intervals of no more than 25m.

ACCESSIBILITY AROUND AND WITHIN THE BUILDING

ACCESSIBLE ROUTES, CORRIDORS AND PATHS

- Within office work areas, minimum width for accessible routes shall be at least 900mm (Cl 4.2.1.3)
ACCESSIBILITY AROUND AND WITHIN THE BUILDING

RAMPS

Width of ramps that are part of accessible routes, corridor and paths shall comply with Table 3 and cl 4.2.1.

Min width of ramp; 1200 mm

HANDRAILS

• Handrails circular section between 32-50 mm (Cl 4.7.3.1)

Minimum 270° gripping surface

Examples of acceptable profile

Handrail should be tubular in shape to provide proper grip and support.
ACCESSIBILITY AROUND AND WITHIN THE BUILDING

HANDRAILS

Handrails

Staircase (Cl 4.11.4)

Ramp (Cl 4.4.6)

Circular section

32-50 mm

32-50 mm

Height from FFL

800-1000 mm

800-900 mm

Should the handrail be installed on one side? or both sides?

ACCESSIBILITY AROUND AND WITHIN THE BUILDING

HANDRAILS

Staircase

• At least one side*
• 300mm extension

Ambulant Staircase

• Both sides
• 300mm extension

Ramp

• Both sides
• 300mm extension

*More stringent requirements from FSSD shall apply
ACCESSIBILITY AROUND AND WITHIN THE BUILDING

GRAB BARS

• Grab bars diameter between **32-45 mm** (Cl 4.7.3.3)

DOORS

Cl 4.4

Doors (Sliding/Swing)

- Cl 4.4
- Cl 5.4.2
- Cl 5.4.3
- Cl 5.6.1
- Cl 6.2

Manual

- Power - Operated

Automatic

- Button-Operated
ACCESSIBILITY AROUND AND WITHIN THE BUILDING

DOORS

- Controls should not require the person to move to avoid contact with the door as it opens
- Allow the person to pass through the door safely before it closes.

USAGE OF SPACE, FACILITIES AND ELEMENTS WITHIN THE BUILDING

CONTROLS AND OPERATING MECHANISMS

- Power-operated doors with controls (CI 6.2.2)

New requirement:
Distance of switches, controls and sockets from the internal corner of a room

New requirement:
Distance of control for power-operated swing doors at the internal corner of a room
ACCESSIBILITY AROUND AND WITHIN THE BUILDING

DOORS

• Manoeuvring spaces at doors (Cl 4.4.6)

Push side: 300 mm

Pull side: 600 mm

No change to one-way swing door manoeuvring space.

New requirement:
Leading edge of door leaf to be set not more than 150 mm from wall surface. (Cl 4.4.6.3)
ACCESSIBILITY AROUND AND WITHIN THE BUILDING

DOORS

• Manoeuvring spaces at doors (Cl 4.4.6)

Enhancement: Additional illustrations for clarity.

ACCESSIBILITY AROUND AND WITHIN THE BUILDING

DOORS

• Two doors in a series (Cl 4.4.7)

Enhancement: Additional illustrations for clarity.
ACCESSIBILITY AROUND AND WITHIN THE BUILDING

DOORS

• Door handles (Cl 4.4.9)

New requirement: Door handles for sliding door.

ACCESSIBILITY AROUND AND WITHIN THE BUILDING

DOORS

• Door opening force (Cl 4.4.10)

New requirement:
(a) Swing door:
- Max 30N at 0°;
- Max 20N at 30°

(b) Sliding door;
- Max 22N

This is aligned with FSSD requirements.
ARRIVING AT THE BUILDING

ACCESSIBLE VEHICLE PARKING

• No change to the number of accessible car par lots provision (CI 3.5.1)

<table>
<thead>
<tr>
<th>Number of vehicle park lots</th>
<th>Number of accessible lots</th>
</tr>
</thead>
<tbody>
<tr>
<td>First 50 lots</td>
<td>1</td>
</tr>
<tr>
<td>Next 50 lots</td>
<td>1</td>
</tr>
<tr>
<td>Every subsequent 200 lots</td>
<td>1 (CI 3.5.1)</td>
</tr>
</tbody>
</table>

2007 Code Requirements: Accessible Parking Lots

ARRIVING AT THE BUILDING

ACCESSIBLE VEHICLE PARKING

• Parallel Parking [CI 3.5.2.1 (c)]
• Width remained same at 3600mm; length according to LTA parking requirements.

Obstruction at end wall; 7200 mm
No obstruction; 5400 mm
ARRIVING AT THE BUILDING

ACCESSIBLE VEHICLE PARKING

• Symbol of Access (Cl 3.5.7)
• White stylized figure with dimensions of at least 1000mm but not more than 1500mm in length on a blue background located in the centre of the lot.

ACCESSIBILITY AROUND AND WITHIN THE BUILDING

BOLLARDS

• Minimum clear distance of 900mm between bollards and minimum height of 800mm (Cl 4.2.4.5.1)
ARRIVING AT THE BUILDING

PASSENGER ALIGHTING AND BOARDING POINTS

• At least one alighting and boarding point, if provided, shall be sheltered (Cl 3.3.1).

• Access aisle of 1200 mm by 4500 mm to be provided with kerb ramp if there is a level difference. (Cl 3.3.2)

ARRIVING AT THE BUILDING

PASSENGER ALIGHTING AND BOARDING POINTS

• Where there is no level difference, a warning indicator with contrasting colour shall be provided. (Cl 3.3.2)
ARRIVING AT THE BUILDING

TAXI SHELTERS

- **2 separate ramps** for boarding and alighting if there is a level difference. (Cl 3.4.5.1)
- **Seats** shall be provided. (Cl 3.4.6.1)

USAGE OF SPACE, FACILITIES AND ELEMENTS WITHIN THE BUILDING

ACCESSIBLE ROOMS

- **Hotels**
- **Boarding houses**
- **Chalets**
- **Backpackers**

1:100: Accessible guest room
1:50: Elder friendly
ACCESSIBLE ROOMS

- allowed to apply the requirements of residential developments entrances; however, doorway shall be level.

ACCESSIBILITY AROUND AND WITHIN THE BUILDING

LIFTS

SS 550 compliance

- ✔ Passenger Lifts
- ✔ Wheelchair user Lifts
- ✔ Platform Lifts
- Can be considered for;
  - existing building; and
  - buildings in exceptional circumstances with particular constraint
- Stairlifts
ACCESSIBILITY AROUND AND WITHIN THE BUILDING

LIFTS

• Lifts designated for wheelchair users (Cl 4.9)

Enhancement: Additional illustrations for clarity.

USAGE OF SPACE, FACILITIES AND ELEMENTS WITHIN THE BUILDING

SEATING SPACES

• Clear floor space (Cl 6.3.1)

Enhancement: Additional illustrations for clarity.