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Codes for Accessibility Design

无障碍设计规范

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1 General Provisions

1.0.1 This code was formulated with a view to creating a accessibility environment in cities, improving life quality of people and ensuring people in needs to safely and conveniently use facilities.

1.0.2 This code is applicable to constructed, renovated and extended urban road, urban square, urban green space, residential district, residential building and historic building throughout the country. Those urban road, urban square, urban green space, building or design with accessibility needs, not involved in this code should be implemented according to requirements of similar types in this code. Accessibility for rural road and public service facility should be implemented according to this code.

1.0.3 Accessibility design for relevant railway, aviation, urban rail transit and water transportation facility shall meet the requirements of this code and those for relevant accessibility design in relevant industry.

1.0.4 During the implementation of this code, urban accessibility design still shall comply with relevant principles and policies of China and meet overall urban development requirements so as to achieve safety and usability, advanced technology and economic rationality.

1.0.5 Urban accessibility design shall not only meet those specified in this code, but also those specified in current relevant national standard.

2 Terms

2.0.1 Curb ramp

It is a kind of ramp located at sidewalk intersection or on both ends of crosswalk to avoid sidewalk curb from causing traffic obstacles and make pedestrian conveniently accessible to sidewalk.

2.0.2 Tactile ground surface indicator

It is a kind of solid floor tile paved on sidewalk or at other locations to render people with visual disability a tactile sense and guide people with visual disability to go ahead and distinguish direction so as to arrive at path of destination.

2.0.3 Directional indicator

It is a tactile ground surface indicator with strip surface that guides people with visual disability directly go ahead through tactile cane and foot sense.

2.0.4 Warning indicator

It refers to tactile ground surface indicator with dot-like surface, which is used at starting point, corner, end point of tactile ground surface indicator to indicate positions of service facilities and warn people with visual disability of unsafe or dangerous conditions ahead and serves as a warning role.

2.0.5 Accessible entrance

It refers to entrance whose gradient, width, height, ground material and handrail are convenient for people with movement disorder to pass through.

2.0.6 Ramp entrance

It refers to entrance not equipped with handrail, with its ground gradient no less than 1: 20.

2.0.7 Wheelchair turning space

It refers to space arranged to make people riding a wheelchair convenient to change direction through turning.

2.0.8 Wheelchair ramp

It refers to ramp whose gradient, width, height, ground material and handrail are convenient for people riding a wheelchair to pass through.

2.0.18 Accessible urinal

It refers to urinal with grab bar that is convenient for people with movement disorder to use.

2.0.19 Accessible bathtub

It refers to bathtub with complete accessible facilities.

2.0.20 Accessible shower stall

It refers to shower stall with complete accessible facilities.

2.0.21 Shower seat

It refers to fixed or movable seat used during showering.

2.0.22 Accessible guest room

It refers to guest room that entrance, path, communication area, furniture and rest room are equipped with accessible facilities and space and sizes of the room are convenient for people with movement disorder to safely move.

2.0.23 Accessible housing

It refers to housing that entrance, path, communication area, furniture, kitchen and rest room are equipped with accessible facilities and space and sizes of the room are convenient for people with movement disorder to safely move.

2.0.24 Wheelchair accessible seat

It refers to positions for people riding a wheelchair in locations equipped with fixed seats such as auditorium, lecture hall, reading room and classroom.

2.0.25 Seats for accompanying persons

It refers to the seat that is arranged near wheelchair accessible seat and convenient for accompanying people to attend people riding a wheelchair.

2.0.26 Edge protection

It refers to facilities that prevent small wheel of wheelchair and cane from laterally sliding out of ramp, foot step and platform edges.

2.0.27 Accessible vehicle parking lot

It refers to vehicle parking lot convenient for people with movement disorder to use.

3 Design Requirements of Accessible Facilities

3.1 Curb Ramp

3.1.1 Curb ramp shall meet the following requirements:

1 Ramp of curb ramp shall be smooth and non-slip;

2 Between entrance and roadway of curb ramp should be free from height difference. Where it exists a height difference, ground elevation higher than roadway shall not be greater than 10 mm;

3 Full-width one-way ramp curb ramp should be selected in priority.

3.1.2 Gradient of curb ramp shall meet the following requirements:

1 Gradient of full-width one-way ramp curb ramp shall not be greater than 1: 20;

2 Front and lateral gradient of three-way ramp curb ramp shall not be greater than 1: 12;

3 Gradients of other curb ramps shall not be greater than 1: 12.

3.1.3 Width of curb ramp shall meet the following requirements:

1 Full-width one-way ramp curb ramp shall share the same width with sidewalk;

2 Front ramp width of three-way ramp curb ramp shall be greater than or equal to 1.20 m;

3 Groove widths of other curb ramps shall be greater than or equal to 1.50 m.

3.2 Tactile Ground Surface Indicator

3.2.1 Tactile ground surface indicator shall meet the following requirements:

1 Tactile ground surface indicator may be divided into directional indicator and warning indicator according to its use function;

2 Tactile ground surface indicator lines shall protrude 4 m high than the pavement;

3 Tactile ground surface indicator shall be paved continuously and shall be kept clear from obstacles such as tree (pit), pole and pulling line; other facilities

concentrated people flow should not be less than 1.80 m;

2 Width of outdoor path should not be less than 1.50 m;

3 Wheelchair accessible path at ticket entrance and check-out shall be greater than or equal to 900 mm.

3.5.2 Accessible route shall meet the following requirements:

1 Accessible route shall be continuous and the ground shall be flat, smooth and non-slip and with small or without any reflection; and it should not be arranged with thick carpet;

2 Where accessible route exists height difference, wheelchair ramp shall be arranged;

3 Width of rainwater grate hole in outdoor path shall not be greater than 15 mm;

4 Height from objects fixed on wall and post of accessible route to the ground shall be greater than or equal to 2.00 m. If less than 2.00 m, height of protruding part shall not be greater than 100 mm; if protruding part is greater than 100 mm, its height from the ground shall be less than 600 mm;

5 Where underpart space such as oblique escalator and stairway is accessible, safety barrier shall be arranged.

3.5.3 Accessibility design of door shall meet the following requirements:

1 Swing door with large force shall not be adopted; swing door and glass door should not be adopted. Where glass door is adopted, striking information sign shall be provided with;

2 Clear width of doorway after automatic door is opened shall be greater than or equal to 1.00 m;

3 Clear width of doorway after side-hung door, sliding door and folding door are opened shall be greater than or equal to 800 mm. If conditions permit, it should not be less than 900 mm;

4 Wheelchair turning space with diameter no less than 1.50 m shall be reserved inside and outside the door leaf;

5 Width of wall surface arranged on the side of single side-hung door, sliding door and folding door handles shall be not less than 400 mm;

6 Side-hung door, sliding door and folding door leaves shall be arranged with handles with 900 distant from the ground and should be arranged with

4 The first step of ascending and descending stairway should be greatly different from other steps in color or material.

3.7 Wheelchair Accessible Elevator, Platform Lift and Stair Lift

3.7.1 Waiting area for wheelchair accessible elevator shall meet the following requirements:

1 Depth of elevator lobby should not be less than 1.50 m and depth of elevator lobby in public buildings and that arranged with hospital elevator should not be less than 1.80 m;

2 Call button shall be arranged at a height of 0.90 m ~ 1.10 m;

3 Clear width of elevator door opening should not be less than 900 mm;

4 Warning indicator should be arranged at elevator entrance;

5 Display device for running status of elevator and arrival sound shall be arranged for elevator lobby.

3.7.2 Elevator car of wheelchair accessible elevator shall meet the following requirements:

1 Clear width of opened elevator car door shall be greater than or equal to 800 mm;

2 Floor selection button with braille shall be arranged at a height of 0.90 m ~ 1.10 m on side wall of elevator car and the braille should be placed near the button;

3 Handrail shall be arranged at a height of 850 mm ~ 900 mm on three walls of elevator car and shall meet relevant requirements of Section 3.8 in this code.

4 Display device on running status of elevator and elevator level alarming sound shall be arranged in elevator lobby.

5 Mirror shall be installed at a height of 900 mm on front elevator car or materials with mirror effect shall be adopted;

6 Size of elevator car shall be selected according to different building natures and service requirements. For the minimum sizes, depth shall be greater than or equal to 1.40 m and width shall be greater than or equal to 1.10 m. For medium size, depth shall be greater than or equal to 1.60 m and width shall be greater than or equal to 1.40 m. Hospital elevator should be selected for medical buildings and buildings for the elderly;

1 Accessible facilities in ladies' room include at least one water closet compartment for wheelchair users and one accessible wash basin; and those in men's room include at least one water closet compartment for wheelchair users, one accessible urinal and one accessible wash basin;

2 Entrance and path to the toilet shall be convenient for people riding a wheelchair to enter into and turn; the turning diameter shall not be less than 1.50 m;

3 Door shall be convenient for opening, and clear width of the doorway shall not be less than 800 mm;

4 Ground shall be non-slip and free from accumulated water;

5 Water closet compartment for wheelchair users shall be arranged with accessibility sign; and accessibility sign shall meet the requirements of relevant requirements in Section 3.16 of this code.

3.9.2 Water closet compartment for wheelchair users shall meet the following requirements:

1 Water closet compartment for wheelchair users shall be convenient for people riding a wheelchair to arrive in and go out/in; the size should be 2.00 m × 1.50 m and shall be greater than or equal to 1.80 m × 1.00 m;

2 Door of water closet compartment for wheelchair users should be opened outward. If it is opened inward, wheelchair turning space with diameter no less than 1.50 m shall be set aside within water closet compartment after opening. Clear width of doorway shall be greater than or equal to 800 mm. 900 mm high horizontal handrail shall be arranged outside the side-hung door, door handle shall be arranged at a height of 900 mm inside closed door leaf and emergency-opening bolt shall be adopted outside the door;

3 Close-stool shall be arranged in water closet compartment and horizontal grab bar with length no less than 700 mm shall be arranged on both sides of water closet compartment and at places with 700 mm distant from ground and 1.40 m high vertical grab bar shall be arranged on the opposite side.

3.9.3 Accessibility design for individual washroom for wheelchair users shall meet the following requirements:

1 Its position should be near public toilet and convenient for people riding a wheelchair to enter into and turn; the turning diameter shall not be less than 1.50 m;

2 The area shall be greater than or equal to 4.00 m²;

4 Toilet paper dispenser shall be arranged at lateral anterior of close-stool and the height shall be 400 mm ~ 500 mm.

3.10 Public Bathroom

3.10.1 Accessibility design for public bathroom shall meet the following requirements:

1 Accessible facilities in public bathroom include one accessible shower stall or bathtub and one accessible wash basin;

2 Entrance of and indoor space in public bathroom shall be convenient for people riding a wheelchair to enter into and use; the bathroom shall be able to guarantee accessible turning of the wheelchair inside it and the turning diameter shall be not less than 1.50 m;

3 Bathroom ground shall be non-slip and free from accumulated water;

4 Movable curtain should be adopted at bathroom entrance. Where side-hung door is adopted, the door leaf shall be opened outward and the bathroom shall be arranged with 900 mm high horizontal handrail; 900 mm high door handle shall be arranged inside closed door leaf and emergency-opening bolt outside the door shall be adopted;

5 One water closet compartment for wheelchair users shall be arranged.

3.10.2 Accessible shower stall shall meet the following requirements:

1 Width of short side of accessible shower stall shall not be less than 1.50 m;

2 Height of shower seat should be 450 mm and its depth should not be less than 450 mm;

3 700 mm high horizontal grab bar and 1.40 m ~ 1.60 m high vertical grab bar distant from the ground shall be arranged in shower stall;

4 Height of control switch for shower head distant from the ground in shower stall shall not be greater than 1.20 m;

5 Height of towel rack shall not be greater than 1.20 m.

3.10.3 Accessible bathtub shall meet the following requirements:

1 Seat convenient for entering and using is arranged on one end of bathtub and the depth shall be greater than or equal to 400 mm;

2 Two layers of 600 mm and 900 mm horizontal grab bars respectively shall

3.12.4 Other requirements on accessible housing and dormitory are as follows:

1 Area of single bedroom shall be greater than or equal to 7.00 m² and that of double bedroom shall be greater than or equal to 10.50 m²; area of bedroom concurrently serving as a living room shall be greater than or equal to 16.00 m², areas of living room and kitchen shall be greater than or equal to 14.00 m² and 6.00 m² respectively.

2 Area of rest room arranged with close-stool, bathing device (bathtub or shower) and wash basin shall be greater than or equal to 4.00 m²; area of rest room arranged with close-stool and bathing device shall be greater than or equal to 3.00 m²; area of rest room arranged with close-stool and wash basin shall be greater than or equal to 2.50 m²; and area of rest room arranged with close-stool shall be greater than or equal to 2.00 m²;

3 In kitchen for people riding a wheelchair, clear width and height below operating platform shall be greater than or equal to 650 mm; depth shall be greater than or equal to 250 mm;

4 Call button shall be arranged in bedroom and rest room;

5 Position and height of control switch for furniture and electrical appliances shall be convenient for people riding a wheelchair to approach and use;

6 Flash alarm doorbell shall be installed in residential buildings and apartments for people with hearing disorder.

3.13 Wheelchair Accessible Seat

3.13.1 Wheelchair accessible seat shall be arranged near emergency exit and path and shall not be arranged within the range of public path.

3.13.2 Width of path in auditorium leading to wheelchair accessible seat shall be greater than or equal to 1.20 m.

3.13.3 Wheelchair accessible seat ground shall be flat, smooth and non-slip; handrail or railing should be installed on its edges.

3.13.4 Occupancy area of each wheelchair accessible seat shall be greater than or equal to 1.10 m × 0.80 m.

3.13.5 Sight line for watching performance and competition in wheelchair accessible seat shall not be sheltered, or shelter others' sight line.

3.13.6 1: 1 seats for accompanying persons should be arranged near wheelchair accessible seat or within adjacent auditorium.

4 Urban Road

4.1 Implementation Scope

4.1.1 Accessibility design for urban road shall cover the following items;

- 1** Urban roads;
- 2** Main town road;
- 3** Pedestrian street;
- 4** Tourist attractions and road surrounding urban landscape belt.

4.1.2 Accessibility design shall be carried out for urban road, bridge, tunnel and pedestrian system in overpass; accessible facilities shall be arranged along pedestrian path.

4.1.3 Accessibility design in pedestrian system mainly covers sidewalk, crosswalk, pedestrian overpass and underpass, and bus station.

4.2 Sidewalk

4.2.1 Curb ramp design at sidewalk shall meet the following requirements:

- 1** Curb ramp must be arranged at various intersections of sidewalk and entrances;
- 2** Curb ramp must be arranged on both ends of crosswalk.

4.2.2 Tactile ground surface indicator arrangement at sidewalk shall meet the following requirements:

- 1** Tactile ground surface indicator shall be arranged for sidewalk in main urban business street and pedestrian street;
- 2** Tactile ground surface indicator shall be arranged in roads around area with concentrated people with visual disability;
- 3** Warning indicator shall be arranged at edges of upper and lower ramps;
- 4** Tactile ground surface indicator arranged at entrances of locations and buildings around the road shall be connected to tactile ground surface indicator in road.

4.2.3 Arrangement of wheelchair ramp in sidewalk shall meet the following requirements:

distant from each section of step, and starting point and end point of ramp; length shall be corresponding with that of ramp and stairway.

4.4.2 Selection of ramp and wheelchair accessible elevator at ramp of pedestrian overpass and underpass shall meet the following requirements:

1 Ramp should be arranged at pedestrian overpass and underpass with wheelchair path demands; where it is difficult to arrange a ramp, wheelchair accessible elevator shall be arranged;

2 Clear width of ramp shall be greater than or equal to 2.00 m;

3 Gradient of ramp shall not be greater than 1: 12;

4 Gradient of arc-shaped ramp shall be calculated according to gradient of inner arc edge;

5 For each increasing 1.50 m high ramp, intermediate platform with depth no less than 2.00 m shall be arranged;

6 Ramp surface shall be flat, smooth and non-slip.

4.4.3 Handrail arrangement shall meet the following requirements:

1 Handrail shall be arranged on both sides of pedestrian overpass and underpass ramps and it should be arranged in upper and lower layers.

2 Edge protection should be arranged below the handrail;

3 Braille signboard should be installed in horizontal section from starting point of handrail.

4.4.4 Where pedestrian overpass and underpass fails to meet wheelchair demands, safe passing on ground should be considered.

4.4.5 Where clear height of triangular area below pedestrian overpass is less than 2.00 m, protection facilities shall be installed and warning indicator shall be arranged outside the protection facilities.

4.5 Bus Stop

4.5.1 Bus stop design shall meet the following requirements:

1 Accessible width at bus station shall be greater than or equal to 1.50 m;

2 Where bus stop is arranged in separators between lanes, it shall be convenient for people riding a wheelchair.

5 Urban Square

5.1 Implementation Scope

5.1.1 Accessibility design for urban square shall cover the following items:

- 1** Public square;
- 2** Traffic distribution square.

5.2 Design Requirements

5.2.1 Where number of parking vehicles in public parking space of urban square is less than 50, at least 1 accessible vehicle parking lot shall be arranged; where it is less than 100, 2 accessible vehicle parking lots shall be arranged; where it is more than 100, at least 2 % accessible vehicle parking lot of total parking vehicles shall be arranged.

5.2.2 Urban square ground shall be flat, smooth, non-slip and free from accumulated water.

5.2.3 Arrangement of tactile ground surface indicator in urban square shall meet the following requirements:

1 Where it is arranged with steps or ramp, warning indicator shall be arranged at places with 250 mm ~ 500 mm distant from each section of step, and starting point and end point of ramp; length shall be corresponding with that of step and ramp and width shall be 250 mm ~ 500 mm;

2 Where sidewalk is equipped with directional indicator, it shall be connected to warning indicator at bus stop.

5.2.4 Where urban square ground exists height difference, selection of ramp and wheelchair accessible elevator shall meet the following requirements:

1 Wheelchair ramp shall be arranged where steps are arranged;

2 Where it is difficult to arrange a wheelchair ramp, wheelchair accessible elevator may be arranged.

5.2.5 Low height service facilities shall be arranged arrangement for service facilities in urban square.

5.2.6 Men's room and ladies' room shall meet relevant requirements of Section 8.13 in this code.

5.2.7 Accessibility sign shall be arranged at accessible facilities in urban square;

6 Urban Green Space

6.1 Implementation Scope

6.1.1 Accessibility design for urban green space shall cover the following items:

- 1** Urban parks, including comprehensive park, community park, linear park and roadside green space;
- 2** Open green space in affiliated green space;
- 3** Other green space open to the public.

6.2 Park Green Space

6.2.1 Where number of parking vehicles in public parking space of urban green space is less than 50, at least 1 accessible vehicle parking lot shall be arranged; where it is less than 100, 2 accessible vehicle parking lots shall be arranged; where it is more than 100, at least 2 % total parking vehicles of accessible vehicle parking lot shall be arranged.

6.2.2 Accessibility design for ticket office shall meet the following requirements:

- 1** Low height ticket window shall be arranged for ticket office at main entrance;
- 2** Where ground in front of the low height ticket window exists height difference, wheelchair ramp and platform no less than 1.50 m × 1.50 m shall be arranged;
- 3** Warning indicator shall be arranged in front of ticket window and its distance from external wall of ticket office shall be 250 mm ~ 500 mm.

6.2.3 Accessibility design for entrance shall meet the following requirements:

- 1** Accessible entrance, entrance of automatic ticket-checking equipment and ticket entrance specially for people riding a wheelchair shall be arranged at main entrance;
- 2** Width of accessible route at ticket entrance shall be greater than or equal to 1.20 m;
- 3** Where a bumper is arranged at entrance, spacing between bumpers shall be greater than or equal to 900 mm.

6.2.4 Accessible travel path shall meet the following requirements:

1 At main entrance and main scenic spot, recreation facility, service facilities, public facilities and management facilities within the accessible recreation areas shall be accessible;

2 Accessibility design for certain recreation facility shall meet the following requirements:

1) If without special landscape requirements, accessible recreation facility shall be arranged for them;

2) If exposed stylobate and step is available in single and combined buildings, including pavilion, corridor and pergola, the exposed stylobate should not be too high and ramp shall be arranged at the entrance; indoor building shall meet accessibility requirements;

3) Where entrance of building yard as well as square and path exists height difference, wheelchair ramp shall be arranged. Where over three entrances are available, at least two accessible entrances shall be arranged. Width of middle corridor or path in building yard shall be greater than or equal to 1.20 m;

4) Where wharf and conjunction of accessible garden road and square exist height difference, wheelchair ramp shall be arranged;

5) Bridge above accessible travel path shall be level bridge or small arch bridge with gradient below 8 % and its width shall be greater than or equal to 1.20 m. Bridge surface shall be non-slip and handrail shall be arranged on both sides. Where joint of bridge surface and garden road & square exists height difference, wheelchair ramp shall be arranged.

3 Accessibility design for service facilities shall meet the following requirements:

1) Low height window shall be arranged for window of retail department;

2) Entrance of teahouse, coffee house, canteen and photography department shall be accessible and be provided with certain quantity of wheelchair accessible seats;

3) Service desk, information desk and sales counter shall be equipped with low height service facilities.

4 Accessibility design for public facilities shall meet the following requirements:

1) Public toilet shall meet the relevant requirements of Section 8.13 in this code; large-sized garden buildings and main sightseeing district shall be

7 Residential District, Residential Building

7.1 Road

7.1.1 Accessibility design for residential road shall cover residential road, quarter road, cluster road and sidewalk of alley between residential buildings.

7.1.2 Accessibility design for residential road shall meet the relevant requirements of Chapter 4 in this code.

7.2 Residential Green Space

7.2.1 Accessibility design for residential green space shall meet the following requirements:

1 Accessibility design for residential green space and the building type covers entrance, tour footpath, recreation facilities, children's playground, leisure square, fitness center and public toilet;

2 Residential green spaces in residential district with its base floor gradient greater than 5 % shall meet accessibility requirements; for residential district with base floor gradient greater than 5 %, at least one residential green space which meets accessibility requirements shall be arranged;

3 The residential green space which meets accessibility requirements should be arranged near residential building equipped with accessible housing and dormitory, and shall be accessible through accessible route.

7.2.2 Entrance shall meet the following requirements:

1 Main entrance of residential green space shall be arranged accessible; If entrances are more than 3, accessible entrance shall not be less than 2;

2 If height difference between main square and its connected ground or pavement in residential green space is less than 300 mm, all the entrances shall be accessible; if the height difference is greater than 300 mm and entrances are less than 3, all the entrances shall be accessible, if the entrances are three or more than three, at least two accessible entrances shall be arranged;

3 Warning indicator shall be arranged at entrances of cluster green space, opening green space between residential buildings, children's playground and fitness center.

7.2.3 Tour footpath and recreation facilities shall meet the following requirements:

garage in non-first floor shall be arranged with accessible route to connect with wheelchair accessible elevator or accessible stairway to arrive at first floor directly.

7.4 Residential Building

7.4.1 Scope of accessibility design for residential building shall cover housing and apartment and dormitory buildings (for staff and student dormitories).

7.4.2 Accessibility design for residential building shall meet the following requirements:

1 Residential building with elevator shall be arranged with at least one accessible entrance and directly access to elevator lobby through accessible route. For low-rise and multi-rise residential building without elevator, accessible entrance shall be arranged where accessible housing and dormitory are arranged.

2 For the residential building with elevator, at least one wheelchair accessible elevator directly leading to households shall be arranged in each residential unit.

7.4.3 Residential building shall be arranged with at least two sets of accessible housing in each 100 sets.

7.4.4 Accessible housing and dormitory should be constructed at ground floor. If Accessible housing and dormitory is without elevator and arranged at second floor or above, its public stairway shall meet relevant requirements of Section 3.6 of this code.

7.4.5 In dormitory building, male dormitory and female dormitory shall be arranged with accessible dormitory respectively, not less than one set of accessible dormitory shall be arranged in each 100 sets; Where accessible dormitory with elevator is arranged at second floor or above, at least one wheelchair accessible elevator shall be arranged, the wheelchair accessible elevator shall be connected with accessible dormitory by accessible route.

7.4.6 Where toilet is not arranged in accessible dormitory, at least one place of public toilet at its floor shall meet the relevant requirements of Article 3.9.1 in this code or individual washroom for wheelchair users is arranged near accessible dormitory.

community office and other office buildings.

8.2.2 Accessible facilities in office buildings for public business handling and complaint reception shall meet the following requirements:

1 Main entrance of building shall be accessible;

2 Where places with gathering people, such as building entrance hall, lounge (VIP rest room) and evacuation hall exist height difference or are provided with steps, wheelchair ramp shall be arranged; rest seat and accessible rest area where wheelchair may be put, should be provided with;

3 Public indoor aisle shall be accessible; where length of aisle is greater than 60.00 m, rest area should be arranged and it shall be kept clear from the aisle;

4 Public stairway shall be accessible;

5 Public men's room and ladies' room shall meet the relevant requirements of Article 3.9.1 of this code or one individual washroom for wheelchair users shall be arranged near men's room and ladies' room, and at least one individual washroom for wheelchair users shall be arranged in building, at least one men's room and ladies' room for internal office staff shall meet the relevant requirements in Article 3.9.1 of this code or one individual washroom for wheelchair users is arranged nearby men's room and ladies' room.

6 Where number of public seats in courtyard, judicial tribunal, public conference and lecture hall is 300 or below, at least one wheelchair accessible seat shall be arranged; where the number is more than 300, at least 2 and not less than 0.2 % wheelchair accessible seats shall be arranged.

8.2.3 Accessible facilities in other office buildings shall meet the following requirements:

1 Building shall be equipped with at least one accessible entrance and it should be located at main entrance;

2 At least one men's room and ladies' room shall meet the relevant requirements in Article 3.9.1 and Article 3.9.2 of this code.

3 At least one wheelchair accessible seat shall be arranged in multi-function room or lecture hall.

8.3 Education Building

8.3.1 Accessibility design for education building shall cover nursery and kindergarten building, middle and primary school building, colleges and

3 Main entrance shall be accessible, it should be arranged into ramp entrance;

4 Indoor route shall be accessible, clear width shall not be less than 1.80 m, and handrail shall be arranged according to requirements in Section 3.8 of this code.

5 Door shall meet requirements in Section 3.5 of this code;

6 At least one accessible stairway shall be arranged in the same building;

7 Where building is equipped with elevator, each group of elevator shall be equipped with at least one wheelchair accessible elevator;

8 At least one individual washroom for wheelchair users shall be arranged in first floor; at least one public toilet in each floor shall meet relevant requirement in Article 3.9.1 of this code; Toilet in ward shall be equipped with grab bar and meet the relevant requirements in Article 3.9.4 of this code;

9 For outpatient department, emergency department, and medical technical department of children hospital, at least one mother and baby room should be arranged in each floor and near public toilet;

10 Treatment area, nurse station in inpatient area, telephone station, information desk, waterer, vending machine and service desk shall be equipped with low height service facilities;

11 Accessible facilities shall be equipped with accessibility sign which meet requirements of national standard, braille map or voice guide system and prompt system, sign language service for people with hearing disorders and word prompt guide system shall be arranged at main entrance in courtyard area.

8.4.3 Accessible facilities in outpatient department and emergency department shall also meet the following specified:

1 Word display and speech broadcast device and low height service desk or window shall be arranged at registration office, cashier and medicine receiving;

2 Wheelchair parking space shall be arranged in waiting area.

8.4.4 Accessible facilities in medical technical department shall meet the following requirements:

1 Wheelchair turning space with diameter no less than 1.50 m shall be set aside in patient dressing room; and height of partial locker shall be less than 1.40 m;

8 Clear width of bedroom door shall not be less than 900 mm; that of bedroom aisle shall not be less than 1.20 m, and of kitchen and rest room door shall not be less than 800 mm;

9 Wheelchair turning space with diameter not less than 1.5 m should be remained in the bedroom;

10 Toilet in bedroom shall be arranged with grab bar, and meet the requirements of Article 3.9.4 in this code; and public toilet outside bedroom shall meet the requirements of Article 3.9.1 in this code or be accessible.

11 Public bathroom shall meet the relevant requirements Section 3.10 in this code; bathroom or bathtub in the bedroom shall be arranged with grab bar and meet the requirements of Articles 3.10.2 and 3.10.3 in this code.

12 Bedroom should be arranged with voice prompt device.

8.5.3 Other different buildings shall meet the current design requirements for building design code and standard of the nation.

8.6 Sports Building

8.6.1 Accessibility design is carried out for sports building such as sports venue and venue facilities for sports competition (training), physical education and sports leisure.

8.6.2 Accessible facilities of sports buildings shall meet the following requirements:

1 Number of special class and Class A venue bases arranged shall not be less than 2 % number of the parking vehicle, and not less than 2 accessible vehicle parking lots shall be arranged; Classes B and C venue bases shall be arranged with not less than 2 accessible vehicle parking lots;

2 Building shall be equipped with at least one accessible entrance for audience, athlete and distinguished guest respectively, and accessible entrance may be arranged for entrance of other function areas as required;

3 Indoor aisle from ticket entrance and accessible entrance of building to various accessible facilities shall be accessible route; where length of the route is greater than 60.00 m, rest area should be arranged, and it shall be kept clear from traveling route;

4 Main location with high density of people such as hall, waiting room, VIP waiting room and evacuation hall should be equipped with accessible rest area for placing wheelchair;

rest area for rest chair and wheelchair should be arranged;

3 Public indoor aisle and ticket entrance shall be accessible with its length greater than 60.00 m; rest area should be arranged and it shall be kept clear from the aisle;

4 Main public stairway shall be accessible;

5 At least one public men's room and ladies' room is arranged at each floor, and it shall meet the relevant requirements of Article 3.9.1 in this code, or one individual washroom for wheelchair users is arranged near men's room and ladies' room;

6 Public canteen shall be equipped with movable seat 2 % of total seats for people riding a wheelchair.

8.7.3 Accessible facilities of building such as cultural center, youth activity center, library, archive, memorial hall, cenotaph, monument ecclesiastical building, museum, exhibition hall, science and technology hall, art gallery, and exhibition center shall also meet the following requirements:

1 Entrance of library and cultural center with detection instrument shall be convenient for entering of people riding a wheelchair;

2 Library and cultural center shall be arranged with low height catalogue retrieval station;

3 As for lecture hall, audiovisual studio, showroom and exhibition hall that are equipped with audience seat, at least one wheelchair accessible seat shall be arranged.

4 Library at county and city class or above shall be equipped with special book room (corner) for the blind; and directional indicator and warning indicator shall be arranged at accessible entrance, service desk, staircase and lift well entrance, and at the front of the book room;

5 Information service such as audio tour and hearing-aid should be provided with.

8.7.4 Accessible facilities of building such as theater concert hall, cinema assembly hall and performance center shall meet the following requirements:

1 Where auditorium is equipped with number of seats less than or equal to 300, at least one wheelchair accessible seat shall be arranged; and that with seat number greater than 300, number of wheelchair accessible seat arranged shall be less than 0.2 % of the total seat number and shall not be less than 2.

8.9.1 Accessibility design is carried out for passenger coach stations, including various inter-city bus station.

8.9.2 Accessibility design of passenger coach station shall meet the following requirements:

1 Ground of pedestrian passageway at station square shall be flat, smooth, non-slip and free from accumulated water, wheelchair ramp shall be provided with if height difference exists;

2 Building shall be equipped with at least one accessible entrance, it should be located at main entrance and ramp entrance should be arranged for it.

3 Passenger's indoor aisle such as hallway, ticket hall, station hall and ticket entrance shall be accessible route;

4 At least one public men's room and ladies' room is arranged at each floor, and it shall meet the relevant requirements of Article 3.9.1 in this code, or one individual washroom for wheelchair users is arranged near men's room and ladies' room, and at least one individual washroom for wheelchair users shall be arranged in building.

5 Main public stairway shall be accessible;

6 Luggage check (including cloakroom) shall be arranged with low height window.

8.10 Public Parking Space (Garage)

8.10.1 Public parking space (garage) shall be arranged with accessible vehicle parking lot, the parking lot number shall meet the following requirements:

1 Class I public parking space (garage) shall be arranged with accessible vehicle parking lot whose number shall not be less than 2 % number of parking vehicle;

2 Class II public parking space (garage) shall be arranged with accessible vehicle parking lot whose number shall not be less than 2 % number of parking vehicle, and shall not be less than two;

3 Class IV public parking space (garage) shall be arranged with accessible vehicle parking lot whose number shall not be less than 1.

8.10.2 Accessible vehicle parking lot of such public parking garage that is equipped with floor, should be arranged at location of the same floor as public traffic road, or be linked to the ground through accessible facilities.

9 Accessibility Construction and Renovation of Historic Buildings

9.1 Implementation Scope

9.1.1 Accessibility design shall be carried out for historic building such as historic garden, ancient architecture museum, important modern and contemporary historic site, commemorative architecture and rehabilitated historic building that are open to visit and temple in use,

9.2 Accessible Travel Path

9.2.1 Accessible travel path shall be designed according to actual situation by relic protection unit that is open to public, landmark on accessible travel path should be meet the visit demands of travelers as possible.

9.3 Entrance

9.3.1 As for landmark on the accessible travel path that is open to travelers, its entrance for the public shall be equipped with at least one accessible entrance, with cultural relic protection as the prerequisite, ramp and terrace may be dismountable.

9.3.2 Exhibition hall, showroom and audiovisual studio shall be arranged with at least one accessible entrance respectively, with cultural relic protection as the prerequisite, ramp and terrace may be dismountable.

9.3.3 Entrance for foreign reception room of open relic protection unit should be accessible.

9.4 Courtyard

9.4.1 Pavement of touring route on accessible travel path shall be flat, smooth and non-slip, its longitudinal gradient should not be greater than 1: 50, ramp should be arranged where it is equipped with step, ramp and terrace may be dismountable.

9.4.2 Open relic protection unit may not be equipped with tactile ground surface indicator which, may be arranged where it is specially required, and it shall be coordinate with the surrounding environment.

9.4.3 Ground of public green space its route, and bower for rest in courtyard on accessible travel path shall be flat, smooth and non-slip, ramp should be arranged where it is equipped with step, ramp and terrace may be dismountable.

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