

# Building Department

## Research & Building Systems Section

### New Commercial Centers Checklist



## New Commercial centres >10.000 m2

Entrance	Path	Level Changes Stairs, Ramp, Elevators	Sanitary Provisions	Changing Room	Furniture	Parking & drop off point	Tactile maps
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All	UA*	UA	UA	FT/F	UA	UA	UA	TA/FT
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UA	Universally Accessible
UA*	When the building is built in a floodable zone the entrances of the building can have a change in level from the exterior floor level. In this exceptional case the entrances solutions may be permitted.
FT/F	Additional to the Universal Accessible toilets a Family toilet and a feeding room are requested.
TA/FT	Tactile maps are required and accessible toilets outside toilets blocks are not accepted as family toilets.

CODE	CRITERIA	EVALUATION			COMMENTS	AUDIT PHASE
E	Entrance	YES	N/A	NON		
E1	Gradients of entrances ≤ 5%					PERMIT
E2	When several paths, both accessible and inaccessible marked					ACCOMPLISH
E3	If accessible door not the main door, it is marked with directional sign					ACCOMPLISH
E4	Identification number and exact address for each entrance					OPERATION
E5	In public use buildings, reception desk near the entrance					ACCOMPLISH
E6	Dimensions doors ≥ 900mm width x 2100mm height					PERMIT
E7	Automatic door					ACCOMPLISH
E8	3 seconds or more to move from closed to fully open position - Remain fully open for a minimum 5 seconds - Force not more than 66N					ACCOMPLISH
E9	Doormats levelled with ± 2mm					ACCOMPLISH

E10	Access controls barriers with at least one barrier with width $\geq$ 900mm if provided					OPERATION
ER	<b>Counters and reception areas</b>					
ER1	Reception areas with seating places and interaction spaces					OPERATION
ER2	Front desks with accessible interaction space					OPERATION
ER3	Low counter height between 750-790mm & high counter height between 950-1250mm					OPERATION
ER4	Under the desk a space of 680 mm height and 480 mm deep					OPERATION
ER5	When required, hearing enhancement systems using induction loop, infrared and radio frequency are provided					OPERATION
ER6	With international symbol if access for hearing loss					OPERATION

P	Path	YES	N/A	NON	Comments	Audit Phase
PE	<b>Accessible path of travel - External</b>					
PE1	Enough Width - more than 1800mm / External					PERMIT
PE2	Linear and continued					PERMIT
PE3	Intersections clearly Visible with signs or lights					ACCOMPLISH
PE4	Gradient $\leq$ 5%					ACCOMPLISH
PE5	Clear headroom $\geq$ 2200mm					PERMIT
PE6	Absence of uneven Surfaces - irregularities $\leq$ 5 mm					OPERATION

PE7	<b>Absence of protruding objects:</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
PE8	Furniture comply detection cone rule					OPERATION
PE9	Illumination level $\geq 10$ lux					ACCOMPLISH
PE10	No drain grids on accessible crossings (outside the intersection)					ACCOMPLISH
PE11	Free of obstacles and located between the building's façade and the furniture zone					ACCOMPLISH
PE12	Parking entrance do not modify the slope or width of the accessible path					ACCOMPLISH
PE13	Curb height between 100 mm and 150 mm					ACCOMPLISH
PE14	Cross slope gradient $\leq 2\%$					ACCOMPLISH
PE15	Pedestrian bridges with ramps or elevators if provided					PERMIT
PF	<b>Floor Surface</b>					
PF1	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ dry areas indoor - (PTV) Between 15 and 35					ACCOMPLISH
PF2	Slip resistance (PTV) comply: Inclined > 5% dry areas indoor, (PTV) $\geq 35$					ACCOMPLISH
PF3	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ wet areas and outdoor - (PTV) Between 35 and 45					ACCOMPLISH

PF4	Slip resistance (PTV) comply: Inclined > 5% wet areas and outdoor,(PTV) $\geq 45$					ACCOMPLISH
PF5	Slip resistance (PTV) comply: Street pavement, swimming pools and showers, (PTV) $\geq 45$					ACCOMPLISH
PF6	Ground pavement without loose elements					OPERATION
PF7	Rugs and carpets are firmly fixed and do not increase the strength required to roll over a ceramic pavement by $\geq 25\%$					OPERATION
PF8	Without rounded edges and excessive joints					ACCOMPLISH
PF9	Not producing glare					ACCOMPLISH
PF10	With reflectance contrast of at least 30 points LRV between accessible pavement (surrounding surface or 300mm pavement strip)					ACCOMPLISH
PF11	Lighting in floor (Flooring Light) not produces glare and excessive heat					ACCOMPLISH
PF12	Absence of utility covers (manhole covers) on the path or with height less of 5 mm					ACCOMPLISH
PF13	Absence of drain grids on the path or with holes smaller than 5 mm					ACCOMPLISH
PF14	Change of pavement level $\leq 15\text{mm}$ , with $\leq 25\%$ gradient slope (chamfered)					ACCOMPLISH
PF15	Longitudinal grate openings with perpendicular orientation to the pedestrians' direction of travel					ACCOMPLISH

PF16	For distance between tree basin edge and the façade $\leq$ 2000 mm, tree grate with walkable surface					ACCOMPLISH
PI	<b>Internal corridors</b>					
PI1	Width $\geq$ 1000 mm					PERMIT
PI2	In direction changes a maneuvering space of 1200 mm					PERMIT
PI3	Tactile warning surface in any change of level					PERMIT
PI4	Illumination $\geq$ 60 lux					ACCOMPLISH
PI5	Clear headroom $\geq$ 2200mm					PERMIT
PI6	<b>Absence of protruding objects</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION

LC	Level Changes	YES	N/A	NON	Comments	Audit Phase
LCG	<b>Guardrails</b>					
LCG1	Absence of unprotected level changes - guardrails for heights $\geq$ 500mm					PERMIT
LC22	Height $\geq$ 1100mm					ACCOMPLISH
LCG3	With sufficient strength and stiffness to withstand horizontally uniformly distributed force of 3 kN/m					ACCOMPLISH
LCG4	Can not be climbable					ACCOMPLISH
LCG5	Width of Horizontal and Vertical openings $\leq$ 100mm					ACCOMPLISH

LCG6	1- Availability of continuous base on the entire open side length 2- Continuous base $\geq$ 100mm high from the floor surface for ramps & stairs					PERMIT
LCWT	<b>Warning tactile surface</b>					
LCWT1	Available in the beginning and end of every level change including ramps and stair landings , or any dangerous element					ACCOMPLISH
LCWT2	Installed along the entire width of the element					ACCOMPLISH
LCWT3	The width $\geq$ 300mm					ACCOMPLISH
LCWT4	Located at 300mm away from the edge of the ramp or stair flight or any dangerous element					ACCOMPLISH
LCWT5	Warning tactile truncated cones diameter = 30mm at bottom and 20mm at top, and protruding 4mm					ACCOMPLISH
LCWT6	Non glare on shiny or slippery					ACCOMPLISH
LCR	<b>Ramps</b>					
LCR1	Ramps used only when gradient of level $>5\%$					PERMIT
LCR2	Slope is $\leq 8\%$ or 1:12					PERMIT
LCR3	Cross fall gradient $\leq 2\%$					ACCOMPLISH
LCR4	Run length $\leq 10$ meters					PERMIT
LCR5	Run width = 1000 mm between handrails					PERMIT
LCR6	No curved ramps					PERMIT
LCR7	Landings at the beginning and end of every run - surface 1500 mm x 1500 mm					PERMIT

LCR8	Level landings or $\leq 2\%$					ACCOMPLISH
LCR9	Corridors in landings width $\geq 1200$ mm width					PERMIT
LCR10	No door located at $\leq 1500$ mm from start and or end of each ramps					PERMIT
LCS	<b>Stairs</b>					
LCS1	Availability of alternative elevator accompanied with internal staircase in more than one story building					PERMIT
LCS2	Steps rises between 150 - 175 mm					PERMIT
LCS3	Steps stair treads between 300 - 340 mm					PERMIT
LCS4	Steps rise (R) and Tread (T) fulfil: $mm < 2R + T < 650$ mm	600				PERMIT
LCS5	No curved stairs					PERMIT
LCS6	No open risers or discontinued treads					PERMIT
LCS7	Steps with nosing $\leq 25$ mm					ACCOMPLISH
LCS8	30 mm from the step edge space along the stair flight width shall present a reflectance contrast of 30 LRV					ACCOMPLISH
LCS9	Steps with same height with a $\pm 4$ mm tolerance					ACCOMPLISH
LCS10	Stair flights steps number between 3 and 12					PERMIT
LCS11	Usable stair flight width $\geq 1200$ mm					PERMIT
LCS12	Illumination at top and bottom of the flight $\geq 200$ lux					ACCOMPLISH
LCS13	Landing with same width of stair and a length $\geq 1200$ mm					PERMIT

LCS14	Empty space with height < 2200 mm under the stair is protected					ACCOMPLISH
LCH	<b>Handrail for Ramps &amp; Stairs &gt; 500mm high</b>					
LCH1	300 mm horizontal extension at its ends					ACCOMPLISH
LCH2	Presence of intermediate handrail for stairs to keep distance of at most 2100 mm					PERMIT
LCH3	Mounted at Height of 900 mm					ACCOMPLISH
LCH4	Additional handrail at a height between 650 - 750 mm					ACCOMPLISH
LCH5	In ramps The distance between both sides of handrails is 1000mm					PERMIT
LCH6	Rounded section of 30 - 40 mm separated from the wall with a distance $\geq$ 40 mm					ACCOMPLISH
LCH7	Handrails designed to allow continuity of gripping without interfering its mounting system					ACCOMPLISH
LCH8	Contrast of 30 LRV against its background					ACCOMPLISH
LCH9	Handrails made of comfortable materials against heat and coldness					ACCOMPLISH
LCE	<b>elevators</b>					
LCE1	Present in buildings with more than one floor					PERMIT
LCE2	Accessible from ground floor in public areas					PERMIT

LCE3	Dimensions shall comply: One door $\geq 1200 \times 1500$ mm Two opposing doors $\geq 1200 \times 1500$ mm Two doors in $90^\circ \geq 1500 \times 1500$ mm					PERMIT
LCE4	Automatic doors with a width of 900 mm and colour contrast against walls					ACCOMPLISH
LCE5	Maneuvering space of $1500 \times 1500$ mm in front the elevator access					ACCOMPLISH
LCE6	Elevator calling buttons height between 900 - 1200 mm					ACCOMPLISH
LCE7	Floor indicator located at 1830mm					ACCOMPLISH
LCE8	Only one mirror inside the cabin on the wall opposite to the door over the handrail level					ACCOMPLISH
LCE9	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCE10	Inside the cabin, buttons height between 900 - 1200 mm with Braille					ACCOMPLISH
LCE11	The ground floor button protruded $\geq 3$ mm distinguished with a green color					ACCOMPLISH
LCE12	Call buttons distinguished with icons and color contrast against background					ACCOMPLISH
LCE13	Buttons provide two-channel feedback/ visual & acoustic OR visual & tactile					ACCOMPLISH
LCE14	Emergency phone number is indicated by graphic and tactile					ACCOMPLISH
LCE15	CCTV or intercom or alternative system					ACCOMPLISH

LCE16	Light on the ceiling only with 100 lux					ACCOMPLISH
LCE17	In panoramic elevators, an opaque wall or corner is provided					ACCOMPLISH
LCE17	Automatic doors open at least 3 seconds					ACCOMPLISH
LCE18	Doors provided with sensors at two levels open automatically					ACCOMPLISH
LCE19	Door force less than 135N					ACCOMPLISH
LCE20	Indication sign of accessible elevator direction when various options of vertical circulation					OPERATION
LCE21	Braille & tactile signage on the door jamb at 1500mm height					ACCOMPLISH
LCE22	Audible signal or voice announcement when reaching each floor					ACCOMPLISH
LCE23	Advisory signs indicating safety procedures and other regulatory information					OPERATION
LCL	<b>Lift Platforms, if provided</b>					
LCL1	Dimensions of the cabin on min. 900 x 1500 mm					PERMIT
LCL2	Maneuvering space of 1500 x 1500 mm in front the lift access					PERMIT
LCL3	Calling button height between 700 - 1200 mm					ACCOMPLISH
LCL4	Doors width of 900 mm					PERMIT
LCL5	Cabin with side protections to isolate users from side walls					ACCOMPLISH
LCL6	Inside the cabin, minimum two handrails at a height of 800mm to 1000mm from the floor					ACCOMPLISH

LCL7	Inside the cabin, continuous pressing buttons operable with the elbow					ACCOMPLISH
LCL8	Additional external control by authorized person					OPERATION
LCL9	2000mm travel height if open cabin 4000mm height if full cabin					PERMIT
LCEs	<b>Escalators, Travellators &amp; Mechanical Ramps</b>					
LCEs1	Moving surface gradient $\leq 5\%$					PERMIT
LCEs2	Contrast pavement with surrounding at the beginning and end of travellator					ACCOMPLISH
LCEs3	Marked travel direction					ACCOMPLISH
LCEs4	Audio system indicating start and end					ACCOMPLISH
<b>SP</b>	<b>Sanitary Provisions</b>	<b>YES</b>	<b>N/A</b>	<b>NON</b>	<b>Comments</b>	<b>Audit Phase</b>
<b>SPpt</b>	<b>Public Toilets</b>					
SPpt1	Public toilets for male and female provided					PERMIT
SPpt2	Public toilet within 150 m distance					PERMIT
SPpt3	Furniture have a reflectance contrast of at least 30 points LRV					OPERATION

SPpt4	Toilet appliances height between 900 - 1200 mm					ACCOMPLISH
SPpt5	Toilet appliances automatically activated or operable with the elbow					ACCOMPLISH
SPpt6	Door clear width 900mm and comply door requirements					PERMIT
SPpt7	Door latches operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPpt8	Coat hanger on the door from inside the accessible cabin between 1100 - 1400 mm					ACCOMPLISH
SPpt9	If 2 or more urinals, 1 with usable height at 300 mm and with grab bars at height of 700 - 1200mm					ACCOMPLISH
SPpt10	Flushing systems are operated by pressing or with a flush handle with large surface and operable with one hand or elbow, toilets and urinal					ACCOMPLISH
SPpt11	Distance between the urinal grab bars is 500 mm					ACCOMPLISH
SPpt12	Urinal Grab bars mounted between 700mm from bottom up to 1200mm height					ACCOMPLISH
SPpt13	In each toilet block a baby changing board is provided					PERMIT
SPpt14	Non slippery floor surface with Pendulum Test Value (PTV) $\geq$ 45					ACCOMPLISH
SPpt15	With wash basins in a row, 1 is accessible					ACCOMPLISH
SPpt16	Accessible wash basin clearance from ground surface space $\geq$ 700 mm high and $\geq$ 250 mm deep					ACCOMPLISH

SPpt17	Usable wash basin surface top height between 800 - 850 mm					ACCOMPLISH
SPpt18	Faucets (water tap) operated by pressing button or a lever handle or with a sensor ( Not turning valve)					ACCOMPLISH
SPpt19	Distance to the faucet ( water tap) shall be less than 600 mm and vertical between 900 mm and 1200 mm.					ACCOMPLISH
SPpt20	Lower edge of mirror $\leq$ 900 mm height					ACCOMPLISH
SPpt21	Controls and accessories height (soap dispenser, dryer) mounted at height 700 - 1200mm					ACCOMPLISH
SPpt22	Advisory signs indicating safety procedures and other regulatory information					OPERATION
SPat	<b>Accessible toilet</b>					
SPat1	One accessible toilet for each gender in every floor or 1 independent accessible toilet for both genders					PERMIT
SPat2	One accessible toilet within a 150 m distance from any part of the building					PERMIT
SPat3	Corridors width in toilets, showers, lockers spaces of 1200 mm					PERMIT
SPat4	Maneuvering turning space diameter of 1500 mm in circulations					PERMIT
SPat5	Maneuvering space diameter of 1500 mm inside the toilet					PERMIT
SPat6	Maneuvering space height between 0 to 700mm free of obstacles					ACCOMPLISH

SPat7	Lateral interaction space on both sides of the toilet or on one side if symmetrical units					ACCOMPLISH
SPat8	Lateral interaction space size 865mm x 1420mm					ACCOMPLISH
SPat9	Door open outwards or is sliding					PERMIT
SPat10	Door with horizontal 300 mm grab bar placed between 900 - 1000 mm height at 300 mm from the hinge side					ACCOMPLISH
SPat11	Latch operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPat12	Coat hanger between 1100 - 1200 mm					ACCOMPLISH
SPgb	<b>Grab bars in accessible toilets</b>					
SPgb1	The space between grab bars and the wall $\geq$ 45mm					ACCOMPLISH
SPgb2	Withstand a force of 1 kN in any direction					ACCOMPLISH
SPgb3	Circular diameter between 30 - 40 mm					ACCOMPLISH
SPgb4	Horizontal bars height between 700 - 750 mm. Support length of 700 mm					ACCOMPLISH
SPgb5	Bars mounted in the transfer space must be foldable					ACCOMPLISH
SPgb6	With two transfer areas, distance between both grab bars 670 mm and 700 mm					ACCOMPLISH

SPgb7	With one transfer area, horizontal bars mounted in wall 300 mm from the sanitary edge with 700mm length and mounted 700 - 750mm					ACCOMPLISH
SPgb8	600mm vertical bar mounted 700 - 750mm from ground away 700mm from the wall					ACCOMPLISH
SPgb9	Toilet height between 450 - 500 mm					ACCOMPLISH
SPsh	<b>Showers, if provided</b>					
SPsh1	Shower floor surface at same floor level with surrounding area					ACCOMPLISH
SPsh2	Drain water slope $\leq 4\%$					ACCOMPLISH
SPsh3	Dimensions of showers area at least 865 x 1200 mm and a seat of at least 400 x 400 mm					PERMIT
SPsh4	Seat located at a height between 450 - 500 mm and separated from the wall between 150 - 200 mm					ACCOMPLISH
SPsh5	Horizontal bar length 800 mm mounted 700 - 750 mm from the ground					ACCOMPLISH
SPsh6	Two Vertical bars length of 800 mm in the lateral wall of the shower seat mounted 800 mm from the floor level					ACCOMPLISH
SPsh7	Distance between vertical bars between 670 - 700 mm					ACCOMPLISH

SPsh8	Controls within 500mm away from the shower seat					ACCOMPLISH
SPff	<b>Full family toilet</b>					
SPff1	With a folding adult changing board, at height of 500mm from the floor					ACCOMPLISH
SPff2	Additional children wash basin at a height of 500mm					ACCOMPLISH
SPff3	Maneuvering turning space of at least 2000mm diameter					ACCOMPLISH
SPff4	With a urinal with usable height of 400mm					ACCOMPLISH
SPff5	With emergency call button or rope					ACCOMPLISH
Spfe	<b>Feeding Rooms</b>					
SPfe1	One feeding room within 300 m distance					ACCOMPLISH
SPfe2	Surface: ≥ 7sq. Meters for individual ≥ 10sq. Meters for dual					ACCOMPLISH
SPfe3	With ventilation system					ACCOMPLISH
SPfe4	Furniture with reflectance contrast with the walls of ≥ 30 points LRV					ACCOMPLISH
Spab	<b>Ablution areas, if provided</b>					
SPab1	Electronic or sensor faucets					ACCOMPLISH
SPab2	One accessible ablution unit linked to an accessible path. The closest from the entrance					PERMIT

SPab3	Two horizontal bars mounted between 700 - 800 mm with the same length of wash basin					ACCOMPLISH
SPab4	All Accessories at a height between 700 - 1200 mm					ACCOMPLISH
SPab5	Provides bidet shower system, soap and paper					ACCOMPLISH
SPab6	Approaching free space of 1200 mm					ACCOMPLISH
SPab7	The approaching free space with contrast $\geq$ 30 points LRV					ACCOMPLISH

CHR	Changing rooms	YES	N/A	NON	Comments	Audit Phase
	<b>Accessible dressing or changing rooms</b>					
CHR1	Corridors width $\geq$ 1000mm and direction changes with maneuvering turning space of 1500mm					PERMIT
CHR2	Approaching space for lockers, benches and furniture 1420 x 865mm					PERMIT
CHR3	1 of 10 showers is accessible, if provided					PERMIT
CHR4	1 of 10 toilet is accessible, if provided					PERMIT

FU	Furniture	YES	N/A	NON	Comments	Audit Phase
FU1	Without sharp edges, protruding objects, burning surfaces. With contrasting colour. Made with non-toxic material, and noted if causing allergy					OPERATION

FUt	Tables				
FUt1	Height of the top ≤ 800 mm				OPERATION
FUt2	Clearance height under the table ≥ 680mm				OPERATION
FUt3	Clearance depth under the table ≥ 480mm				OPERATION
FUt4	Tables without integrated seats				OPERATION
FUc	Chairs and Benches				
FUc1	Seat height of 430 mm with a ± 30 mm tolerance				OPERATION
FUc2	Seat depth between 400 - 450 mm				OPERATION
FUc3	With backrest height between 400 - 460 mm				OPERATION
FUc4	Some seats with armrests				OPERATION
FUc5	At least in one side has lateral interaction spacem for wheelchair min 865 x 1420mm with international symbol				OPERATION
FUc6	Outdoor spaces - benches every 100 meters accompanied with shaded areas every 50 m In buildings - benches or seat types every 50 meters				OPERATION
FUd	Drinking fountains, if provided				
FUd1	Two fountains with different heights ≤ 915mm for the lower one with leg clearance				OPERATION
FUd2	Comfortable frontal and lateral approach				OPERATION
FUd3	If manual button, minimum height = 700mm for the lower one and maximum 1200mm for the higher one				OPERATION

FUd4	Water supply between 600 - 900mm height					OPERATION
FUd5	With bottle filler					OPERATION
FUd6	Clearly visible with contrasting background					OPERATION
<b>FUtb</b>	<b>Trash bins, if provided</b>					
FUtb1	Not located in the accessible path					OPERATION
FUtb2	Lateral space of interaction of at least 865 x 1420mm					OPERATION
FUtb3	Trash bin opening height $\leq$ 900 mm					OPERATION
FUtb4	Trash bins every 50 meters					OPERATION
FUtb5	When fixed to the walls protrude $\leq$ 250 mm					OPERATION
FUtb6	Operable with an elbow if opening mechanism is provided					OPERATION
FUtb7	Well contrasted signage					OPERATION
<b>FUv</b>	<b>Vending machines and ATM's, if provided</b>					
FUv1	One frontal or lateral interaction space 865 - 1420mm					OPERATION
FUv2	Floor surface is smooth, non-slippery with a gradient $\leq$ 2%					OPERATION
FUv3	Screen and keyboard are visible from a point located 1000 mm above the floor					OPERATION
FUv4	Screen and keyboard with no reflection or glare					OPERATION
FUv5	Control buttons height between 400 - 1200 mm and $\geq$ 600 mm from any corner					OPERATION

FUv6	Control buttons with high embossed text and Braille					OPERATION
FUv7	Card slot height between 800 - 1200 mm					OPERATION
FUv8	Visual and acoustic indication system and alarm system provided					OPERATION
FUv9	Audio information provided					OPERATION
FUv10	CCTV Intercom provided					OPERATION
FUv11	Slots are wide and have a funnel effect					OPERATION
FUb	<b>Bollards, planters, telephone booths and other furniture elements, if provided</b>					
FUb1	Outside the accessible path or do not reduce accessible path $\leq$ 1200mm					OPERATION

PA	Parking and drop off point	YES	N/A	NON	Comments	Audit Phase
PA1	Pick up & drop off area provided					PERMIT
<b>Accessible parking places, access to parking lots</b>						
PA2	<p><b>Number of accessible parking lots, if parking facilities provided:</b></p> <p>1.3 % of the total number of parking spots.</p> <p>A partial parking to be considered as a full parking at the maximum number of 10 parkings</p>					PERMIT
PA3	Accessible spaces as close as possible to the entrance of the building and no more than 50 m					PERMIT
PA4	<p>Dimensions of accessible parking spaces:</p> <p>2500 x 6000 mm for angled parking, 2600 x 6000 mm for parking along the sidewalk</p>					PERMIT

PA5	With lateral access aisle $\geq$ 1200 mm					PERMIT
PA6	Signs mounted at 2200 mm with international symbol					ACCOMPLISH
PA7	Marked with international symbols					ACCOMPLISH
PA8	Curb cut with maximum 8% slope					ACCOMPLISH

TM	Tactile maps	YES	N/A	NON	Comments	Audit Phase
TM	Tactile maps					
TM1	Tactile maps are provided as in GWA					ACCOMPLISH

# Building Department

## Research & Building Systems Section

### New Parks, Beaches and Natural Spaces Checklist



# Requirements for New Parks, Beaches and Natural Spaces

Entrance      Path      Level Changes  
Stairs, Ramp,  
Elevators      Sanitary  
Provisions      Changing  
Room      Furniture      Parking & drop off  
point

All

UA\*

UA

UA

FT/F

UA

UA

UA

UA	Universally Accessible
UA*	When the building is built in a floodable zone the entrances of the building can have a change in level from the exterior floor level. In this exceptional case the entrances solutions may be permitted.
FT/F	Additional to the Universal Accessible toilets a Family toilet and a feeding room are requested

CODE	CRITERIA	EVALUATION			COMMENTS	AUDIT PHASE
		YES	N/A	NON		
E	Entrance					
E1	Gradients of entrances $\leq$ 5%					PERMIT
E2	When several paths, both accessible and inaccessible marked					ACCOMPLISH
E3	If accessible door not the main door, it is marked with directional sign					ACCOMPLISH
E4	Identification number and exact address for each entrance					OPERATION
E5	In public use buildings, reception desk near the entrance					ACCOMPLISH
E6	Dimensions doors $\geq$ 900mm width x 2100mm height					PERMIT
E7	Automatic door					ACCOMPLISH
E8	3 seconds or more to move from closed to fully open position - Remain fully open for a minimum 5 seconds - Force not more than 66N					ACCOMPLISH
E9	Doormats levelled with $\pm$ 2mm					ACCOMPLISH
E10	Access controls barriers with at least one barrier with width $\geq$ 900mm if provided					OPERATION
E11	Tactile map located at the main entrance near the door on the right side within 1000 mm					ACCOMPLISH

ER	Counters and reception areas					
ER1	Reception areas with seating places and interaction spaces					OPERATION
ER2	Front desks with accessible interaction space					OPERATION
ER3	Low counter height between 750-790mm & high counter height between 950-1250mm					OPERATION
ER4	Under the desk a space of 680 mm height and 480 mm deep					OPERATION
ER5	When required, hearing enhancement systems using induction loop, infrared and radio frequency are provided					OPERATION
ER6	With international symbol if access for hearing loss					OPERATION

P	Path	YES	N/A	NON	Comments	Audit Phase
PE	<b>Accessible path of travel - External</b>					
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PE2	Linear and continued					PERMIT
PE3	Intersections clearly Visible with signs or lights					ACCOMPLISH
PE4	Gradient $\leq$ 5%					ACCOMPLISH
PE5	Clear headroom $\geq$ 2200mm					PERMIT
PE6	Absence of uneven Surfaces - irregularities $\leq$ 5 mm					OPERATION
PE7	<b>Absence of protruding objects</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
PE8	Furniture comply detection cone rule					OPERATION
PE9	Illumination level $\geq$ 10 lux					ACCOMPLISH
PE10	No drain grids on accessible crossings (outside the intersection)					ACCOMPLISH
PE11	Free of obstacles and located between the building's façade and the furniture zone					ACCOMPLISH

PE12	Parking entrance do not modify the slope or width of the accessible path					ACCOMPLISH
PE13	Curb height between 100 mm and 150 mm					ACCOMPLISH
PE14	Cross slope gradient $\leq 2\%$					ACCOMPLISH
PE15	Pedestrian bridges with ramps or elevators if provided					PERMIT
<b>Pbs</b>	<b>Path and Beach services</b>					
Pbs1	Width $\geq 1500\text{mm}$					ACCOMPLISH
Pbs2	Longitudinal gradient $\leq 5\%$ and cross gradient $\leq 2\%$					ACCOMPLISH
Pbs3	Suitable for walking barefoot with low heat transmission					ACCOMPLISH
Pbs4	Public toilets near accessible path and the car parks					PERMIT
Pbs5	Reaching the water edge					ACCOMPLISH
Pbs6	Including accessible services like toilets, showers, changing rooms, furniture, emergency and other services					ACCOMPLISH
Pbs7	Floating rope to help users to access into the water					ACCOMPLISH
Pbs8	With accessible showers in beaches					ACCOMPLISH
Pbs9	Shower controls height between 700-1200mm and activated with elbow					ACCOMPLISH
Pbs10	Shower area width $\geq 1800\text{mm}$					ACCOMPLISH
Pbs11	Shower provided with armless bench raised 450mm for seat base and 900mm for the back, located at 200mm from the shower					ACCOMPLISH
Pbs12	If there is a cycling paths it's between urban furniture and curb					ACCOMPLISH
Pbs13	Pedestrian crossings are preceded by tactile warnings					ACCOMPLISH
Pbs14	Curb cut gradient at crossing $\leq 8\%$					ACCOMPLISH
Pbs15	At least shaded zones are provided every 50 m max					ACCOMPLISH
<b>Plg</b>	<b>Playgrounds</b>					

P1g1	Floor surface of rubber or compacted sand					ACCOMPLISH
P1g2	Smooth and soft floor surface for children play area					ACCOMPLISH
P1g3	≥ 50% of play activities are usable by children with disabilities					ACCOMPLISH
P1g4	Low heat transmission materials of play activities					ACCOMPLISH
P1g5	Materials treated to prevent electrostatic discharges					ACCOMPLISH
<b>PF</b>	<b>Floor Surface</b>					
<b>PF1</b>	Slip resistance (PTV) comply: Level and inclined with ≤ 5% dry areas indoor - (PTV) Between 15 and 35					ACCOMPLISH
<b>PF2</b>	Slip resistance (PTV) comply: Inclined > 5% dry areas indoor, (PTV) ≥ 35					ACCOMPLISH
<b>PF3</b>	Slip resistance (PTV) comply: Level and inclined with ≤ 5% wet areas and outdoor - (PTV) Between 35 and 45					ACCOMPLISH
<b>PF4</b>	Slip resistance (PTV) comply: Inclined > 5% wet areas and outdoor,(PTV) ≥ 45					ACCOMPLISH
<b>PF5</b>	Slip resistance (PTV) comply: Street pavement, swimming pools and showers, (PTV) ≥ 45					ACCOMPLISH
<b>PF6</b>	Ground pavement without loose elements					OPERATION

PF7	Rugs and carpets are firmly fixed and do not increase the strength required to roll over a ceramic pavement by $\geq 25\%$					OPERATION
PF8	Without rounded edges and excessive joints					ACCOMPLISH
PF9	Not producing glare					ACCOMPLISH
PF10	With reflectance contrast of at least 30 points LRV between accessible pavement (surrounding surface or 300mm pavement strip)					ACCOMPLISH
PF11	Lighting in floor (Flooring Light) not produces glare and excessive heat					ACCOMPLISH
PF12	Absence of utility covers (manhole covers) on the path or with height less of 5 mm					ACCOMPLISH
PF13	Absence of drain grids on the path or with holes smaller than 5 mm					ACCOMPLISH
PF14	Change of pavement level $\leq 15\text{mm}$ , with $\leq 25\%$ gradient slope (chamfered)					ACCOMPLISH
PF15	Longitudinal grate openings with perpendicular orientation to the pedestrians' direction of travel					ACCOMPLISH
PF16	For distance between tree basin edge and the façade $\leq 2000$ mm, tree grate with walkable surface					ACCOMPLISH
PI	<b>Internal corridors</b>					
PI1	Width $\geq 1000$ mm					PERMIT
PI2	In direction changes a Maneuvering space of 1200 mm					PERMIT
PI3	Tactile warning surface in any change of level					PERMIT
PI4	Illumination $\geq 60$ lux					ACCOMPLISH
PI5	Clear headroom $\geq 2200\text{mm}$					PERMIT

P16	<b>Absence of protruding objects</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
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LC	Level Changes	YES	N/A	NON	Comments	Audit Phase
LCG	<b>Guardrails</b>					
LCG1	Absence of unprotected level changes - guardrails for heights $\geq$ 500mm					PERMIT
LC22	Height $\geq$ 1100mm					ACCOMPLISH
LCG3	With sufficient strength and stiffness to withstand horizontally uniformly distributed force of 3 kN/m					ACCOMPLISH
LCG4	Can not be climbable					ACCOMPLISH
LCG5	Width of Horizontal and Vertical openings $\leq$ 100mm					ACCOMPLISH
LCG6	1- Availability of continuous base on the entire open side length 2- Continuous base $\geq$ 100mm height from the floor surface for ramps & stairs					PERMIT
LCWT	<b>Warning tactile surface</b>					
LCWT1	Available in the beginning and end of every level change including ramps and stair landings , or any dangerous element					ACCOMPLISH
LCWT2	Installed along the entire width of the element					ACCOMPLISH
LCWT3	The width $\geq$ 300mm					ACCOMPLISH

LCWT4	Located at 300mm away from the edge of the ramp or stair flight or any dangerous element					ACCOMPLISH
LCWT5	Warning tactile truncated cones diameter = 30mm at bottom and 20mm at top, and protruding 4mm					ACCOMPLISH
LCWT6	Non glare on shiny or slippery					ACCOMPLISH
LCR	<b>Ramps</b>					
LCR1	Ramps used only when gradient of level >5%					PERMIT
LCR2	Slope is $\leq 8\%$ or 1:12					PERMIT
LCR3	Cross fall gradient $\leq 2\%$					ACCOMPLISH
LCR4	Run length $\leq 10$ meters					PERMIT
LCR5	Run width = 1000 mm between handrails					PERMIT
LCR6	No curved ramps					PERMIT
LCR7	Landings at the beginning and end of every run -surface 1500 mm x 1500 mm					PERMIT
LCR8	Level landings or $\leq 2\%$					ACCOMPLISH
LCR9	Corridors in landings width $\geq 1200$ mm width					PERMIT
LCR10	No door located at $\leq 1500$ mm from start and or end of each ramps					PERMIT
LCS	<b>Stairs</b>					
LCS1	Availability of alternative elevator accompanied with internal staircase in more than one story building					PERMIT
LCS2	Steps rises between 150 - 175 mm					PERMIT
LCS3	Steps stair treads between 300 - 340 mm					PERMIT
LCS4	Steps rise (R) and Tread (T) fulfil: $600 \text{ mm} < 2R + T < 650 \text{ mm}$					PERMIT
LCS5	No curved stairs					PERMIT

LCS6	No open risers or discontinued treads					PERMIT
LCS7	Steps with nosing $\leq 25$ mm					ACCOMPLISH
LCS8	30 mm from the step edge space along the stair flight width shall present a reflectance contrast of 30 LRV					ACCOMPLISH
LCS9	Steps with same height with a $\pm 4$ mm tolerance					ACCOMPLISH
LCS10	Stair flights steps number between 3 and 12					PERMIT
LCS11	Usable stair flight width $\geq 1200$ mm					PERMIT
LCS12	Illumination at top and bottom of the flight $\geq 200$ lux					ACCOMPLISH
LCS13	Landing with same width of stair and a length $\geq 1200$ mm					PERMIT
LCS14	Empty space with height $< 2200$ mm under the stair is protected					ACCOMPLISH
LCH	<b>Handrail for Ramps &amp; Stairs &gt; 500mm high</b>					
LCH1	300 mm horizontal extension at its ends					ACCOMPLISH
LCH2	Presence of intermediate handrail for stairs to keep distance of at most 2100 mm					PERMIT
LCH3	Mounted at Height of 900 mm					ACCOMPLISH
LCH4	Additional handrail at a height between 650 - 750 mm					ACCOMPLISH
LCH5	In ramps the distance between both sides of handrails is 1000mm					PERMIT
LCH6	Rounded section of 30 - 40 mm separated from the wall with a distance $\geq 40$ mm					ACCOMPLISH
LCH7	Handrails designed to allow continuity of gripping without interfering its mounting system					ACCOMPLISH
LCH8	Contrast of 30 LRV against its background					ACCOMPLISH

LCH9	Handrails made of comfortable materials against heat and coldness					ACCOMPLISH
LCE	<b>elevators</b>					
LCE1	Present in buildings with more than one floor					PERMIT
LCE2	Accessible from ground floor in public areas					PERMIT
LCE3	Dimensions shall comply: One door $\geq 1200 \times 1500$ mm Two opposing doors $\geq 1200 \times 1500$ mm Two doors in $90^\circ \geq 1500 \times 1500$ mm					PERMIT
LCE4	Automatic doors with a width of 900 mm and colour contrast against walls					ACCOMPLISH
LCE5	Maneuvering space of $1500 \times 1500$ mm in front the elevator access					ACCOMPLISH
LCE6	Elevator calling buttons height between 900 - 1200 mm					ACCOMPLISH
LCE7	Floor indicator located at 1830mm					ACCOMPLISH
LCE8	Only one mirror inside the cabin on the wall opposite to the door over the handrail level					ACCOMPLISH
LCE9	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCE10	Inside the cabin, buttons height between 900 - 1200 mm with Braille					ACCOMPLISH
LCE11	The ground floor button protruded $\geq 3$ mm distinguished with a green color					ACCOMPLISH

LCE12	Call buttons distinguished with icons and color contrast against background					ACCOMPLISH
LCE13	Buttons provide two-channel feedback/ visual & acoustic OR visual & tactile					ACCOMPLISH
LCE14	Emergency phone number is indicated by graphic and tactile					ACCOMPLISH
LCE15	CCTV or intercom or alternative system					ACCOMPLISH
LCE16	Light on the ceiling only with 100 lux					ACCOMPLISH
LCE17	In panoramic elevators, an opaque wall or corner is provided					ACCOMPLISH
LCE17	Automatic doors open at least 3 seconds					ACCOMPLISH
LCE18	Doors provided with sensors at two levels open automatically					ACCOMPLISH
LCE19	Door force less than 135N					ACCOMPLISH
LCE20	Indication sign of accessible elevator direction when various options of vertical circulation					OPERATION
LCE21	Braille & tactile signage on the door jamb at 1500mm height					ACCOMPLISH
LCE22	Audible signal or voice announcement when reaching each floor					ACCOMPLISH
LCE23	Advisory signs indicating safety procedures and other regulatory information					OPERATION
LCL	<b>Lift Platforms, if provided</b>					
LCL1	Dimensions of the cabin on min. 900 x 1500 mm					PERMIT

LCL2	Maneuvering space of 1500 x 1500 mm in front the lift access					PERMIT
LCL3	Calling button height between 700 - 1200 mm					ACCOMPLISH
LCL4	Doors width of 900 mm					PERMIT
LCL5	Cabin with side protections to isolate users from side walls					ACCOMPLISH
LCL6	Inside the cabin, minimum two handrails at a height of 800mm to 1000mm from the floor					ACCOMPLISH
LCL7	Inside the cabin, continuous pressing buttons operable with the elbow					ACCOMPLISH
LCL8	Additional external control by authorized person					OPERATION
LCL9	2000mm travel height if open cabin 4000mm					PERMIT
LCEs	<b>Escalators, Travellators &amp; Mechanical Ramps</b>					
LCEs1	Moving surface gradient ≤ 5%					PERMIT
LCEs2	Contrast pavement with surrounding at the beginning and end of travellator					ACCOMPLISH
LCEs3	Marked travel direction					ACCOMPLISH
LCEs4	Audio system indicating start and end					ACCOMPLISH
SP	<b>Sanitary Provisions</b>	YES	N/A	NON	Comments	
SPpt	<b>Public Toilets</b>					
SPpt1	Public toilets for male and female provided					PERMIT

SPpt2	Public toilet within 150 m distance					PERMIT
SPpt3	Furniture have a reflectance contrast of at least 30 points LRV					OPERATION
SPpt4	Toilet appliances height between 900 - 1200 mm					ACCOMPLISH
SPpt5	Toilet appliances automatically activated or operable with the elbow					ACCOMPLISH
SPpt6	Door clear width 900mm and comply door requirements					PERMIT
SPpt7	Door latches operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPpt8	Coat hanger on the door from inside the accessible cabin between 1100 - 1400 mm					ACCOMPLISH
SPpt9	If 2 or more urinals, 1 with usable height at 300 mm and with grab bars at height of 700 - 1200mm					ACCOMPLISH
SPpt10	Flushing systems are operated by pressing or with a flush handle with large surface and operable with one hand or elbow, toilets and urinals					ACCOMPLISH
SPpt11	Distance between the urinal grab bars is 500 mm					ACCOMPLISH
SPpt12	Urinal Grab bars mounted between 700mm from bottom up to 1200mm height					ACCOMPLISH
SPpt13	In each toilet block a baby changing board is provided					PERMIT

SPpt14	Non slippery floor surface with Pendulum Test Value (PTV) $\geq$ 45					ACCOMPLISH
SPpt15	With wash basins in a row, 1 is accessible					ACCOMPLISH
SPpt16	Accessible wash basin clearance from ground surface space $\geq$ 700 mm high and $\geq$ 250 mm deep					ACCOMPLISH
SPpt17	Usable wash basin surface top height between 800 - 850 mm					ACCOMPLISH
SPpt18	Faucets (water tap) operated by pressing button or a lever handle or with a sensor ( Not turning valve)					ACCOMPLISH
SPpt19	Distance to the faucet ( water tap) shall be less than 600 mm and vertical between 900 mm and 1200 mm.					ACCOMPLISH
SPpt20	Lower edge of mirror $\leq$ 900 mm height					ACCOMPLISH
SPpt21	Controls and accessories height (soap dispenser, dryer) mounted at height 700 - 1200mm					ACCOMPLISH
SPpt22	Advisory signs indicating safety procedures and other regulatory information					OPERATION
SPat	<b>Accessible toilet</b>					
SPat1	One accessible toilet for each gender in every floor or 1 independent accessible toilet for both genders					PERMIT
SPat2	One accessible toilet within a 150 m distance from any part of the building					PERMIT
SPat3	Corridors width in toilets, showers, lockers spaces of 1200 mm					PERMIT
SPat4	Maneuvering turning space diameter of 1500 mm in circulations					PERMIT

SPat5	Maneuvering space diameter of 1500 mm inside the toilet					PERMIT
SPat6	Maneuvering space height between 0 to 700mm free of obstacles					ACCOMPLISH
SPat7	Lateral interaction space on both sides of the toilet or on one side if symmetrical units					ACCOMPLISH
SPat8	Lateral interaction space size 865mm x 1420mm					ACCOMPLISH
SPat9	Door open outwards or is sliding					PERMIT
SPat10	Door with horizontal 300 mm grab bar placed between 900 - 1000 mm height at 300 mm from the hinge side					ACCOMPLISH
SPat11	Latch operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPat12	Coat hanger between 1100 - 1200 mm					ACCOMPLISH
SPgb	<b>Grab bars in accessible toilets</b>					
SPgb1	The space between grab bars and the wall $\geq$ 45mm					ACCOMPLISH
SPgb2	Withstand a force of 1 kN in any direction					ACCOMPLISH
SPgb3	Circular diameter between 30 - 40 mm					ACCOMPLISH
SPgb4	Horizontal bars height between 700 - 750 mm. Support length of 700 mm					ACCOMPLISH
SPgb5	Bars mounted in the transfer space must be foldable					ACCOMPLISH
SPgb6	With two transfer areas, distance between both grab bars 670 mm and 700 mm					ACCOMPLISH

SPgb7	With one transfer area, horizontal bars mounted in wall 300 mm from the sanitary edge with 700mm length and mounted 700 - 750mm					ACCOMPLISH
SPgb8	600mm vertical bar mounted 700 - 750mm from ground away 700mm from the wall					ACCOMPLISH
SPgb9	Toilet height between 450 - 500 mm					ACCOMPLISH
SPsh	<b>Showers, if provided</b>					
SPsh1	Shower floor surface at same floor level with surrounding area					ACCOMPLISH
SPsh2	Drain water slope $\leq$ 4%					ACCOMPLISH
SPsh3	Dimensions of showers area at least 865 x 1200 mm and a seat of at least 400 x 400 mm					PERMIT
SPsh4	Seat located at a height between 450 - 500 mm and separated from the wall between 150 - 200 mm					ACCOMPLISH
SPsh5	Horizontal bar length 800 mm mounted 700 - 750 mm from the ground					ACCOMPLISH
SPsh6	Two Vertical bars length of 800 mm in the lateral wall of the shower seat mounted 800 mm from the floor level					ACCOMPLISH
SPsh7	Distance between vertical bars between 670 - 700 mm					ACCOMPLISH
SPsh8	Controls within 500mm away from the shower seat					ACCOMPLISH
SPft	<b>Family toilet</b>					
SPft1	One family toilet within 300 m distance from any part of the building					PERMIT

SPff	Full family toilet					
SPff1	With a folding adult changing board, at height of 500mm from the floor					ACCOMPLISH
SPff2	Additional children wash basin at a height of 500mm					ACCOMPLISH
SPff3	Maneuvering turning space of at least 2000mm diameter					ACCOMPLISH
SPff4	With a urinal with usable height of 400mm					ACCOMPLISH
SPff5	With emergency call botton or rope					ACCOMPLISH
Spfe	Feeding Rooms					
SPfe1	One feeding room within 300 m distance					ACCOMPLISH
SPfe2	Surface: ≥ 7sq. Meters for individual ≥ 10sq. Meters for dual					ACCOMPLISH
SPfe3	With ventilation system					ACCOMPLISH
SPfe4	Furniture with reflectance contrast with the walls of ≥ 30 points LRV					ACCOMPLISH
Spab	Ablution areas, if provided					

SPab1	Electronic or sensor faucets					ACCOMPLISH
SPab2	One accessible ablution unit linked to an accessible path. The closest from the entrance					PERMIT
SPab3	Two horizontal bars mounted between 700 - 800 mm with the same length of wash basin					ACCOMPLISH
SPab4	All Accessories at a height between 700 - 1200 mm					ACCOMPLISH
SPab5	Provides bidet shower system, soap and paper					ACCOMPLISH
SPab6	Approaching free space of 1200 mm					ACCOMPLISH
SPab7	The approaching free space with contrast $\geq 30$ points LRV					ACCOMPLISH

CHR	Changing rooms	YES	N/A	NON	Comments	Audit Phase
	Accessible dressing or changing rooms					
CHR1	Corridors width $\geq 1000$ mm and direction changes with Maneuvering turning space of 1500mm					PERMIT
CHR2	Approaching space for lockers, benches and furniture 1420 x 865mm					PERMIT
CHR3	1 of 10 showers is accessible, if provided					PERMIT
CHR4	1 of 10 toilet is accessible, if provided					PERMIT

FU	Furniture	YES	N/A	NON	Comments	Audit Phase
FU1	Without sharp edges, protruding objects, burning surfaces. With contrasting colour. Made with non-toxic material, and noted if causing allergy					ACCOMPLISH
FU2	Furniture and signls are aligned and don't invade the accessible path					ACCOMPLISH

FUt	Tables					
FUt1	Height of the top ≤ 800 mm					OPERATION
FUt2	Clearance height under the table ≥ 680mm					OPERATION
FUt3	Clearance depth under the table ≥ 480mm					OPERATION
FUt4	Tables without integrated seats					OPERATION
FUc	Chairs and Benches					
FUc1	Seat height of 430 mm with a ± 30 mm tolerance					OPERATION
FUc2	Seat depth between 400 - 450 mm					OPERATION
FUc3	With backrest height between 400 - 460 mm					OPERATION
FUc4	Some seats with armrests					OPERATION
FUc5	At least in one side has lateral interaction spacem for wheelchair min 865 x 1420mm with international symbol					OPERATION
FUc6	Outdoor spaces - benches every 100 meters accompanied with shaded areas every 50 m In buildings - benches or seat types every 50 meters					OPERATION
FUd	Drinking fountains, if provided					
FUd1	Two fountains with different heights ≤ 915mm for the lower one with leg clearance					OPERATION

FUd2	Comfortable frontal and lateral approach					OPERATION
FUd3	If manual button, minimum height = 700mm for the lower one and maximum 1200mm for the higher one					OPERATION
FUd4	Water supply between 600 - 900mm height					OPERATION
FUd5	With bottle filler					OPERATION
FUd6	Clearly visible with contrasting background					OPERATION
FUtb	<b>Trash bins, if provided</b>					
FUtb1	Not located in the accessible path					OPERATION
FUtb2	Lateral space of interaction of at least 865 x 1420mm					OPERATION
FUtb3	Trash bin opening height $\leq$ 900 mm					OPERATION
FUtb4	Trash bins every 50 meters					OPERATION
FUtb5	When fixed to the walls protrude $\leq$ 250 mm					OPERATION
FUtb6	Operable with an elbow if opening mechanism is provided					OPERATION
FUtb7	Well contrasted signage					OPERATION
FUv	<b>Vending machines and ATM's, if provided</b>					
FUv1	One frontal or lateral interaction space 865 - 1420mm					OPERATION

FUv2	Floor surface is smooth, non-slippery with a gradient $\leq$ 2%					OPERATION
FUv3	Screen and keyboard are visible from a point located 1000 mm above the floor					OPERATION
FUv4	Screen and keyboard with no reflection or glare					OPERATION
FUv5	Control buttons height between 400 - 1200 mm and $\geq$ 600 mm from any corner					OPERATION
FUv6	Control buttons with high embossed text and Braille					OPERATION
FUv7	Card slot height between 800 - 1200 mm					OPERATION
FUv8	Visual and acoustic indication system and alarm system provided					OPERATION
FUv9	Audio information provided					OPERATION
FUv10	CCTV Intercom provided					OPERATION
FUv11	Slots are wide and have a funnel effect					OPERATION
FUb	<b>Bollards, planters, telephone booths and other furniture elements, if provided</b>					
FUb1	Outside the accessible path or do not reduce accessible path $\leq$ 1200mm					OPERATION
FUk	<b>Commercial Kiosk</b>					
FUk1	Customer counter with lateral or frontal interaction space 865 x 1420mm					ACCOMPLISH
FUk2	With pergola in the front side for outdoor					ACCOMPLISH
FUk3	Linked to an accessible path					ACCOMPLISH
FUk4	Equipped with hearing enhancement system and indicating post					ACCOMPLISH
FUk5	Controls at height of 1200mm					ACCOMPLISH
FUk6	Audio and Visual information provided					OPERATION

PA	Parking and drop off point	YES	N/A	NON	Comments	Audit Phase
PA1	Pick up & drop off area provided					PERMIT
<b>Accessible parking places, access to parking lots</b>						
PA2	<p><b>Number of accessible parking lots, if parking facilities provided:</b></p> <p>1.3 % of the total number of parking spots.</p> <p>A partial parking to be considered as a full parking at the maximum number of 10 parkings</p>					PERMIT
PA3	Accessible spaces as close as possible to the entrance of the building and no more than 50 m					PERMIT
PA4	<p>Dimensions of accessible parking spaces:</p> <p>2500 x 6000 mm for angled parking,</p> <p>2600 x 6000 mm for parking along the sidewalk</p>					PERMIT
PA5	With lateral access aisle $\geq$ 1200 mm					PERMIT
PA6	Signs mounted at 2200 mm with international symbol					ACCOMPLISH
PA7	Marked with international symbols					ACCOMPLISH
PA8	Curb cut with maximum 8% slope					ACCOMPLISH

# Building Department

## Research & Building Systems Section

### New Hotels Checklist



# New Hotels & Motels

Entrance	Path	Level Changes Stairs, Ramp, Elevators	Sanitary Provisions	Changing Room	Parking & drop off point	Accessible rooms
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≤ 50 beds	UA*	UA/P	UA	UA	UA	UA	UA
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UA	Universally Accessible
UA*	When the building is built in a floodable zone the entrances of the building can have a change in level from the exterior floor level. In this exceptional case the entrances solutions may be permitted.
UA/P	Only for small new and existing buildings: paths can be smaller respecting the Tolerance Limits and is permitted interaction space only in one side in the toilet. Only for retrofitting existing buildings: The building facility shall be Universally Accessible; however, if the Universal Accessibility level is technically or economically impossible exceptions can be accepted respecting the Tolerance Limits

CODE	CRITERIA	EVALUATION			COMMENTS	AUDIT PHASE
E	Entrance	YES	N/A	NON		
E1	Gradients of entrances ≤ 5%					PERMIT
E2	When several paths, both accessible and inaccessible marked					ACCOMPLISH
E3	If accessible door not the main door, it is marked with directional sign					ACCOMPLISH
E4	Identification number and exact address for each entrance					OPERATION
E5	In public use buildings, reception desk near the entrance					ACCOMPLISH
E6	Dimensions doors ≥ 900mm width x 2100mm height					PERMIT
E7	Automatic door					ACCOMPLISH
E8	3 seconds or more to move from closed to fully open position - Remain fully open for a minimum 5 seconds - Force not more than 66N					ACCOMPLISH
E9	Doormats levelled with ± 2mm					ACCOMPLISH

E10	Access controls barriers with at least one barrier with width $\geq$ 900mm if provided					OPERATION
ER	<b>Counters and reception areas</b>					
ER1	Reception areas with seating places and interaction spaces					OPERATION
ER2	Front desks with accessible interaction space					OPERATION
ER3	Low counter height between 750-790mm & high counter height between 950-1250mm					OPERATION
ER4	Under the desk a space of 680 mm height and 480 mm deep					OPERATION
ER5	When required, hearing enhancement systems using induction loop, infrared and radio frequency are provided					OPERATION
ER6	With international symbol if access for hearing loss					OPERATION
P	<b>Path</b>	YES	N/A	NON	Comments	Audit Phase
PE	<b>Accessible path of travel - External</b>					
PE1	Enough Width - more than 1800mm / External					PERMIT
PE2	Linear and continued					PERMIT
PE3	Intersections clearly Visible with signs or lights					ACCOMPLISH
PE4	Gradient $\leq$ 5%					ACCOMPLISH
PE5	Clear headroom $\geq$ 2200mm					PERMIT
PE6	Absence of uneven Surfaces - irregularities $\leq$ 5 mm					OPERATION
PE7	Absence of protruding objects 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
PE8	Furniture comply detection cone rule					OPERATION
PE9	Illumination level $\geq$ 10 lux					ACCOMPLISH

PE10	No drain grids on accessible crossings (outside the intersection)					ACCOMPLISH
PE11	Free of obstacles and located between the building's façade and the furniture zone					ACCOMPLISH
PE12	Parking entrance do not modify the slope or width of the accessible path					ACCOMPLISH
PE13	Curb height between 100 mm and 150 mm					ACCOMPLISH
PE14	Cross slope gradient $\leq 2\%$					ACCOMPLISH
PE15	Pedestrian bridges with ramps or elevators if provided					PERMIT
<b>PF</b>	<b>Floor Surface</b>					
PF1	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ dry areas indoor - (PTV) Between 15 and 35					ACCOMPLISH
PF2	Slip resistance (PTV) comply: Inclined $> 5\%$ dry areas indoor, (PTV) $\geq 35$					ACCOMPLISH
PF3	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ wet areas and outdoor - (PTV) Between 35 and 45					ACCOMPLISH
PF4	Slip resistance (PTV) comply: Inclined $> 5\%$ wet areas and outdoor, (PTV) $\geq 45$					ACCOMPLISH
PF5	Slip resistance (PTV) comply: Street pavement, swimming pools and showers, (PTV) $\geq 45$					ACCOMPLISH
PF6	Ground pavement without loose elements					OPERATION
PF7	Rugs and carpets are firmly fixed and do not increase the strength required to roll over a ceramic pavement by $\geq 25\%$					OPERATION
PF8	Without rounded edges and excessive joints					ACCOMPLISH
PF9	Not producing glare					ACCOMPLISH

PF10	With reflectance contrast of at least 30 points LRV between accessible pavement (surrounding surface or 300mm pavement strip)					ACCOMPLISH
PF11	Lighting in floor (Flooring Light) not produces glare and excessive heat					ACCOMPLISH
PF12	Absence of utility covers (manhole covers) on the path or with height less of 5 mm					ACCOMPLISH
PF13	Absence of drain grids on the path or with holes smaller than 5 mm					ACCOMPLISH
PF14	Change of pavement level $\leq 15$ mm, with $\leq 25\%$ gradient slope (chamfered)					ACCOMPLISH
PF15	Longitudinal grate openings with perpendicular orientation to the pedestrians' direction of travel					ACCOMPLISH
PF16	For distance between tree basin edge and the façade $\leq 2000$ mm, tree grate with walkable surface					ACCOMPLISH
PI	<b>Internal corridors</b>					
PI1	Width $\geq 1000$ mm					PERMIT
PI2	In direction changes a Maneuvering space of 1200 mm					PERMIT
PI3	Tactile warning surface in any change of level					PERMIT
PI4	Illumination $\geq 60$ lux					ACCOMPLISH
PI5	Clear headroom $\geq 2200$ mm					PERMIT
PI6	<b>Absence of protruding objects</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
LC	<b>Level Changes</b>	YES	N/A	NON	Comments	Audit Phase

LCG	Guardrails					
LCG1	Absence of unprotected level changes - guardrails for heights $\geq$ 500mm					PERMIT
LC22	Height $\geq$ 1100mm					ACCOMPLISH
LCG3	With sufficient strength and stiffness to withstand horizontally uniformly distributed force of 3 kN/m					ACCOMPLISH
LCG4	Can not be climbable					ACCOMPLISH
LCG5	Width of Horizontal and Vertical openings $\leq$ 100mm					ACCOMPLISH
LCG6	1- Availability of continuous base on the entire open side length 2- Continuous base $\geq$ 100mm high from the floor surface for ramps & stairs					PERMIT
LCWT	Warning tactile surface					
LCWT1	Available in the beginning and end of every level change including ramps and stair landings , or any dangerous element					ACCOMPLISH
LCWT2	Installed along the entire width of the element					ACCOMPLISH
LCWT3	The width $\geq$ 300mm					ACCOMPLISH
LCWT4	Located at 300mm away from the edge of the ramp or stair flight or any dangerous element					ACCOMPLISH
LCWT5	Warning tactile truncated cones diameter = 30mm at bottom and 20mm at top, and protruding 4mm					ACCOMPLISH

LCWT6	Non glare on shiny or slippery					ACCOMPLISH
<b>LCR</b>	<b>Ramps</b>					
LCR1	Ramps used only when gradient of level >5%					PERMIT
LCR2	Slope is $\leq 8\%$ or 1:12					PERMIT
LCR3	Cross fall gradient $\leq 2\%$					ACCOMPLISH
LCR4	Run length $\leq 10$ meters					PERMIT
LCR5	Run width = 1000 mm between handrails					PERMIT
LCR6	No curved ramps					PERMIT
LCR7	Landings at the beginning and end of every run - surface 1500 mm x 1500 mm					PERMIT
LCR8	Level landings or $\leq 2\%$					ACCOMPLISH
LCR9	Corridors in landings width $\geq 1200$ mm width					PERMIT
LCR10	No door located at $\leq 1500$ mm from start and or end of each ramps					PERMIT
<b>LCS</b>	<b>Stairs</b>					
LCS1	Availability of alternative elevator accompanied with internal staircase in more than one story building					PERMIT
LCS2	Steps rises between 150 - 175 mm					PERMIT
LCS3	Steps stair treads between 300 - 340 mm					PERMIT
LCS4	Steps rise (R) and Tread (T) fulfil: mm $< 2R + T < 650$ mm	600				PERMIT
LCS5	No curved stairs					PERMIT
LCS6	No open risers or discontinued treads					PERMIT
LCS7	Steps with nosing $\leq 25$ mm					ACCOMPLISH

LCS8	30 mm from the step edge space along the stair flight width shall present a reflectance contrast of 30 LRV					ACCOMPLISH
LCS9	Steps with same height with a $\pm 4$ mm tolerance					ACCOMPLISH
LCS10	Stair flights steps number between 3 and 12					PERMIT
LCS11	Usable stair flight width $\geq 1200$ mm					PERMIT
LCS12	Illumination at top and bottom of the flight $\geq 200$ lux					ACCOMPLISH
LCS13	Landing with same width of stair and a length $\geq 1200$ mm					PERMIT
LCS14	Empty space with height $< 2200$ mm under the stair is protected					ACCOMPLISH
LCH	<b>Handrail for Ramps &amp; Stairs &gt; 500mm high</b>					
LCH1	300 mm horizontal extension at its ends					ACCOMPLISH
LCH2	Presence of intermediate handrail for stairs to keep distance of at most 2100 mm					PERMIT
LCH3	Mounted at Height of 900 mm					ACCOMPLISH
LCH4	Additional handrail at a height between 650 - 750 mm					ACCOMPLISH
LCH5	In ramps the distance between both sides of handrails is 1000mm					PERMIT
LCH6	Rounded section of 30 - 40 mm separated from the wall with a distance $\geq 40$ mm					ACCOMPLISH
LCH7	Handrails designed to allow continuity of gripping without interfering its mounting system					ACCOMPLISH
LCH8	Contrast of 30 LRV against its background					ACCOMPLISH

LCH9	Handrails made of comfortable materials against heat and coldness					ACCOMPLISH
LCE	<b>elevators</b>					
LCE1	Present in buildings with more than one floor					PERMIT
LCE2	Accessible from ground floor in public areas					PERMIT
LCE3	Dimensions shall comply: One door $\geq 1200 \times 1500$ mm Two opposing doors $\geq 1200 \times 1500$ mm                      Two doors in $90^\circ \geq 1500 \times 1500$ mm					PERMIT
LCE4	Automatic doors with a width of 900 mm and colour contrast against walls					ACCOMPLISH
LCE5	Maneuvering space of $1500 \times 1500$ mm in front the elevator access					ACCOMPLISH
LCE6	Elevator calling buttons height between 900 - 1200 mm					ACCOMPLISH
LCE7	Floor indicator located at 1830mm					ACCOMPLISH
LCE8	Only one mirror inside the cabin on the wall opposite to the door over the handrail level					ACCOMPLISH
LCE9	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCE10	Inside the cabin, buttons height between 900 - 1200 mm with Braille					ACCOMPLISH
LCE11	The ground floor button protruded $\geq 3$ mm distinguished with a green color					ACCOMPLISH

LCE12	Call buttons distinguished with icons and color contrast against background					ACCOMPLISH
LCE13	Buttons provide two-channel feedback/ visual & acoustic OR visual & tactile					ACCOMPLISH
LCE14	Emergency phone number is indicated by graphic and tactile					ACCOMPLISH
LCE15	CCTV or intercom or alternative system					ACCOMPLISH
LCE16	Light on the ceiling only with 100 lux					ACCOMPLISH
LCE17	In panoramic elevators, an opaque wall or corner is provided					ACCOMPLISH
LCE17	Automatic doors open at least 3 seconds					ACCOMPLISH
LCE18	Doors provided with sensors at two levels open automatically					ACCOMPLISH
LCE19	Door force less than 135N					ACCOMPLISH
LCE20	Indication sign of accessible elevator direction when various options of vertical circulation					OPERATION
LCE21	Braille & tactile signage on the door jamb at 1500mm height					ACCOMPLISH
LCE22	Audible signal or voice announcement when reaching each floor					ACCOMPLISH
LCE23	Advisory signs indicating safety procedures and other regulatory information					OPERATION
LCL	<b>Lift Platforms, if provided</b>					
LCL1	Dimensions of the cabin on min. 900 x 1500 mm					PERMIT

LCL2	Maneuvering space of 1500 x 1500 mm in front the lift access					PERMIT
LCL3	Calling button height between 700 - 1200 mm					ACCOMPLISH
LCL4	Doors width of 900 mm					PERMIT
LCL5	Cabin with side protections to isolate users from side walls					ACCOMPLISH
LCL6	Inside the cabin, minimum two handrails at a height of 800mm to 1000mm from the floor					ACCOMPLISH
LCL7	Inside the cabin, continuous pressing buttons operable with the elbow					ACCOMPLISH
LCL8	Additional external control by authorized person					OPERATION
LCL9	2000mm travel height if open cabin height if full cabin	4000mm				PERMIT
<b>LCEs</b>	<b>Escalators, Travellators &amp; Mechanical Ramps</b>					
LCEs1	Moving surface gradient $\leq 5\%$					PERMIT
LCEs2	Contrast pavement with surrounding at the beginning and end					ACCOMPLISH
LCEs3	Marked travel direction					ACCOMPLISH
LCEs4	Audio system indicating start and end					ACCOMPLISH
<b>SP</b>	<b>Sanitary Provisions</b>	YES	N/A	NON	Comments	Audit Phase
<b>SPpt</b>	<b>Public Toilets</b>					
SPpt1	Public toilets for male and female provided					PERMIT
SPpt2	Public toilet within 150 m distance					PERMIT

SPpt3	Furniture have a reflectance contrast of at least 30 points LRV					OPERATION
SPpt4	Toilet appliances height between 900 - 1200 mm					ACCOMPLISH
SPpt5	Toilet appliances automatically activated or operable with the elbow					ACCOMPLISH
SPpt6	Door clear width 900mm and comply door requirements					PERMIT
SPpt7	Door latches operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPpt8	Coat hanger on the door from inside the accessible cabin between 1100 - 1400 mm					ACCOMPLISH
SPpt9	If 2 or more urinals, 1 with usable height at 300 mm and with grab bars at height of 700 - 1200mm					ACCOMPLISH
SPpt10	Flushing systems are operated by pressing or with a flush handle with large surface and operable with one hand or elbow, toilets and urinals					ACCOMPLISH
SPpt11	Distance between the urinal grab bars is 500 mm					ACCOMPLISH
SPpt12	Urinal Grab bars mounted between 700mm from bottom up to 1200mm height					ACCOMPLISH
SPpt13	In each toilet block a baby changing board is provided					PERMIT
SPpt14	Non slippery floor surface with Pendulum Test Value (PTV) $\geq$ 45					ACCOMPLISH

SPpt15	With wash basins in a row, 1 is accessible					ACCOMPLISH
SPpt16	Accessible wash basin clearance from ground surface space $\geq$ 700 mm high and $\geq$ 250 mm deep					ACCOMPLISH
SPpt17	Usable wash basin surface top height between 800 - 850 mm					ACCOMPLISH
SPpt18	Faucets (water tap) operated by pressing button or a lever handle or with a sensor ( Not turning valve)					ACCOMPLISH
SPpt19	Distance to the faucet ( water tap) shall be less than 600 mm and vertical between 900 mm and 1200 mm.					ACCOMPLISH
SPpt20	Lower edge of mirror $\leq$ 900 mm height					ACCOMPLISH
SPpt21	Controls and accessories height (soap dispenser, dryer) mounted at height 700 - 1200mm					ACCOMPLISH
SPpt22	Advisory signs indicating safety procedures and other regulatory information					OPERATION
SPat	<b>Accessible toilet</b>					
SPat1	One accessible toilet for each gender in every floor or 1 independent accessible toilet for both genders					PERMIT
SPat2	One accessible toilet within a 150 m distance from any part of the building					PERMIT
SPat3	Corridors width in toilets, showers, lockers spaces of 1200 mm					PERMIT
SPat4	Maneuvering turning space diameter of 1500 mm in circulations					PERMIT

SPat5	Maneuvering space diameter of 1500 mm inside the toilet					PERMIT
SPat6	Maneuvering space height between 0 to 700mm free of obstacles					ACCOMPLISH
SPat7	Lateral interaction space on both sides of the toilet or on one side if symmetrical units					ACCOMPLISH
SPat8	Lateral interaction space size 865mm x 1420mm					ACCOMPLISH
SPat9	Door open outwards or is sliding					PERMIT
SPat10	Door with horizontal 300 mm grab bar placed between 900 - 1000 mm height at 300 mm from the hinge side					ACCOMPLISH
SPat11	Latch operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPat12	Coat hanger between 1100 - 1200 mm					ACCOMPLISH
SPgb	<b>Grab bars in accessible toilets</b>					
SPgb1	The space between grab bars and the wall $\geq$ 45mm					ACCOMPLISH
SPgb2	Withstand a force of 1 kN in any direction					ACCOMPLISH
SPgb3	Circular diameter between 30 - 40 mm					ACCOMPLISH
SPgb4	Horizontal bars height between 700 - 750 mm. Support length of 700 mm					ACCOMPLISH
SPgb5	Bars mounted in the transfer space must be foldable					ACCOMPLISH

SPgb6	With two transfer areas, distance between both grab bars 670 mm and 700 mm					ACCOMPLISH
SPgb7	With one transfer area, horizontal bars mounted in wall 300 mm from the sanitary edge with 700mm length and mounted 700 - 750mm					ACCOMPLISH
SPgb8	600mm vertical bar mounted 700 - 750mm from ground away 700mm from the wall					ACCOMPLISH
SPgb9	Toilet height between 450 - 500 mm					ACCOMPLISH
SPsh	<b>Showers, if provided</b>					
SPsh1	Shower floor surface at same floor level with surrounding area					ACCOMPLISH
SPsh2	Drain water slope $\leq 4\%$					ACCOMPLISH
SPsh3	Dimensions of showers area at least 865 x 1200 mm and a seat of at least 400 x 400 mm					PERMIT
SPsh4	Seat located at a height between 450 - 500 mm and separated from the wall between 150 - 200 mm					ACCOMPLISH
SPsh5	Horizontal bar length 800 mm mounted 700 - 750 mm from the ground					ACCOMPLISH
SPsh6	Two Vertical bars length of 800 mm in the lateral wall of the shower seat mounted 800 mm from the floor level					ACCOMPLISH
SPsh7	Distance between vertical bars between 670 - 700 mm					ACCOMPLISH
SPsh8	Controls within 500mm away from the shower seat					ACCOMPLISH

SPft1	family toilet					
SPft1	One family toilet within 300 m distance from any part of the building					PERMIT
Spab	Ablution areas, if provided					
SPab1	Electronic or sensor faucets					ACCOMPLISH
SPab2	One accessible ablution unit linked to an accessible path. The closest from the entrance					PERMIT
SPab3	Two horizontal bars mounted between 700 - 800 mm with the same length of wash basin					ACCOMPLISH
SPab4	All Accessories at a height between 700 - 1200 mm					ACCOMPLISH
SPab5	Provides bidet shower system, soap and paper					ACCOMPLISH
SPab6	Approaching free space of 1200 mm					ACCOMPLISH
SPab7	The approaching free space with contrast $\geq 30$ points LRV					ACCOMPLISH

CHR	Changing rooms	YES	N/A	NON	Comments	Audit Phase
	Accessible dressing or changing rooms					
CHR1	Corridors width $\geq 1000$ mm and direction changes with Maneuvering turning space of 1500mm					PERMIT
CHR2	Approaching space for lockers, benches and furniture 1420 x 865mm					PERMIT
CHR3	1 of 10 showers is accessible, if provided					PERMIT
CHR4	1 of 10 toilet is accessible, if provided					PERMIT

PA	Parking and drop off point	YES	N/A	NON	Comments	Audit Phase
PA1	Pick up & drop off area provided					PERMIT
<b>Accessible parking places, access to parking lots</b>						
PA2	<p>Number of accessible parking lots, if parking facilities provided:</p> <p>1.3 % of the total number of parking spots.</p> <p>A partial parking to be considered as a full parking at the maximum number of 5 parkings</p>					PERMIT
PA3	Accessible spaces as close as possible to the entrance of the building and no more than 50 m					PERMIT
PA4	<p>Dimensions of accessible parking spaces:</p> <p>2500 x 6000 mm for angled parking, 2600</p> <p>x 6000 mm for parking along the sidewalk</p>					PERMIT
PA5	With lateral access aisle $\geq$ 1200 mm					PERMIT
PA6	Signs mounted at 2200 mm with international symbol					ACCOMPLISH
PA7	Marked with international symbols					ACCOMPLISH
PA8	Curb cut with maximum 8% slope					ACCOMPLISH
<b>Accessible Room</b>						
AR	Accessible Room	YES	N/A	NON	Comments	Audit Phase
ARh	Hotel rooms					
ARh1	10% of rooms are accessible with accessible toilet					PERMIT
ARh2	Half of the accessible hotel rooms with roll-in showers and other half bathtubs					PERMIT

ARh3	Toilet with alarm string					OPERATION
ARh4	Clear route & 1500 x 1500 mm free space beside the bed					OPERATION
ARh5	Illumination $\geq$ 200 lux					ACCOMPLISH
ARh6	Controls placed at height between 700 - 1200 mm					ACCOMPLISH
ARh7	Electronic outlets at height between 400 - 1000mm					OPERATION
ARh8	The bed height $\leq$ 500 mm					OPERATION
ARh9	Acoustic and visual fire alarm provided and audible door bell					OPERATION
ARh10	Dressing mirror provided with front space up to 2000mm					OPERATION
ARh11	Shelves and drawers are provided between 700 -1200mm from the floor and clothes hanger placed at height 1200mm					OPERATION
ARh12	Viewing device provided in the door at height 800 - 1000mm					ACCOMPLISH
Ard	<b>Dining rooms</b>					
ARd1	Accessible path of travel provided to half of dining area (900mm minimum)					OPERATION
ARd2	Illumination $\geq$ 100 lux provided in at least 10% of dining rooms					ACCOMPLISH
ARd3	Sound reduction materials used in dining rooms, floors and walls made of washable materials					OPERATION
ARd4	10% of the tables shall comply with the dimensional criteria for tables					OPERATION

ARd5	The self service tables height located between 900 - 1200mm from the floor					OPERATION
ARd6	Minimum 900mm clear passage to all food service area					OPERATION
ARd7	Spaces for children strollers and mobility devices are provided, 10 seats are movable					OPERATION

## New Hotels & Motels

Entrance	Path	Level Changes Stairs, Ramp, Elevators	Sanitary Provisions	Changing Room	Furniture	Parking & drop off point	Accessible rooms
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> 50 beds	UA*	UA/P	UA	UA	UA	UA	UA
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UA	Universally Accessible
UA*	When the building is built in a floodable zone the entrances of the building can have a change in level from the exterior floor level. In this exceptional case the entrances solutions may be permitted.
UA/P	Only for small new and existing buildings: paths can be smaller respecting the Tolerance Limits and is permitted interaction space only in one side in the toilet. Only for retrofitting existing buildings: The building facility shall be Universally Accessible; however, if the Universal Accessibility level is technically or economically impossible exceptions can be accepted respecting the Tolerance Limits

CODE	CRITERIA	EVALUATION			COMMENTS	AUDIT PHASE
E	Entrance	YES	N/A	NON		
E1	Gradients of entrances ≤ 5%					PERMIT
E2	When several paths, both accessible and inaccessible marked					ACCOMPLISH
E3	If accessible door not the main door, it is marked with directional sign					ACCOMPLISH
E4	Identification number and exact address for each entrance					OPERATION
E5	In public use buildings, reception desk near the entrance					ACCOMPLISH
E6	Dimensions doors ≥ 900mm width x 2100mm height					PERMIT
E7	Automatic door					ACCOMPLISH
E8	3 seconds or more to move from closed to fully open position - Remain fully open for a minimum 5 seconds - Force not more than 66N					ACCOMPLISH
E9	Doormats levelled with ± 2mm					ACCOMPLISH
E10	Access controls barriers with at least one barrier with width ≥ 900mm if provided					OPERATION
ER	Counters and reception areas					

ER1	Reception areas with seating places and interaction spaces					OPERATION
ER2	Front desks with accessible interaction space					OPERATION
ER3	Low counter height between 750-790mm & high counter height between 950-1250mm					OPERATION
ER4	Under the desk a space of 680 mm height and 480 mm deep					OPERATION
ER5	When required, hearing enhancement systems using induction loop, infrared and radio frequency are provided					OPERATION
ER6	With international symbol if access for hearing loss					OPERATION

P	Path	YES	N/A	NON	Comments	Audit Phase
PE	<b>Accessible path of travel - External</b>					
PE1	Enough Width - more than 1800mm / External					PERMIT
PE2	Linear and continued					PERMIT
PE3	Intersections clearly Visible with signs or lights					ACCOMPLISH
PE4	Gradient $\leq$ 5%					ACCOMPLISH
PE5	Clear headroom $\geq$ 2200mm					PERMIT
PE6	Absence of uneven Surfaces - irregularities $\leq$ 5 mm					OPERATION
PE7	<b>Absence of protruding objects:</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
PE8	Furniture comply detection cone rule					OPERATION
PE9	Illumination level $\geq$ 10 lux					ACCOMPLISH
PE10	No drain grids on accessible crossings ( outside the intersection)					ACCOMPLISH
PE11	Free of obstacles and located between the building's façade and the furniture zone					ACCOMPLISH

PE12	Parking entrance do not modify the slope or width of the accessible path					ACCOMPLISH
PE13	Curb height between 100 mm and 150 mm					ACCOMPLISH
PE14	Cross slope gradient $\leq 2\%$					ACCOMPLISH
PE15	Pedestrian bridges with ramps or elevators if provided					PERMIT
PF	<b>Floor Surface</b>					
PF1	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ dry areas indoor - (PTV) Between 15 and 35					ACCOMPLISH
PF2	Slip resistance (PTV) comply: Inclined $> 5\%$ dry areas indoor, (PTV) $\geq 35$					ACCOMPLISH
PF3	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ wet areas and outdoor - (PTV) Between 35 and 45					ACCOMPLISH
PF4	Slip resistance (PTV) comply: Inclined $> 5\%$ wet areas and outdoor,(PTV) $\geq 45$					ACCOMPLISH
PF5	Slip resistance (PTV) comply: Street pavement, swimming pools and showers, (PTV) $\geq 45$					ACCOMPLISH
PF6	Ground pavement without loose elements					OPERATION
PF7	Rugs and carpets are firmly fixed and do not increase the strength required to roll over a ceramic pavement by $\geq 25\%$					OPERATION
PF8	Without rounded edges and excessive joints					ACCOMPLISH
PF9	Not producing glare					ACCOMPLISH
PF10	With reflectance contrast of at least 30 points LRV between accessible pavement (surrounding surface or 300mm pavement strip)					ACCOMPLISH

PF11	Lighting in floor (Flooring Light) not produces glare and excessive heat					ACCOMPLISH
PF12	Absence of utility covers (manhole covers) on the path or with height less of 5 mm					ACCOMPLISH
PF13	Absence of drain grids on the path or with holes smaller than 5 mm					ACCOMPLISH
PF14	Change of pavement level $\leq 15$ mm, with $\leq 25\%$ gradient slope (chamfered)					ACCOMPLISH
PF15	Longitudinal grate openings with perpendicular orientation to the pedestrians' direction of travel					ACCOMPLISH
PF16	For distance between tree basin edge and the façade $\leq 2000$ mm, tree grate with walkable surface					ACCOMPLISH
PI	<b>Internal corridors</b>					
PI1	Width $\geq 1000$ mm					PERMIT
PI2	In direction changes a Maneuvering space of 1200 mm					PERMIT
PI3	Tactile warning surface in any change of level					PERMIT
PI4	Illumination $\geq 60$ lux					ACCOMPLISH
PI5	Clear headroom $\geq 2200$ mm					PERMIT
PI6	<b>Absence of protruding objects</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
LC	<b>Level Changes</b>	YES	N/A	NON	Comments	Audit Phase
LCG	<b>Guardrails</b>					

LCG1	Absence of unprotected level changes - guardrails for heights $\geq$ 500mm					PERMIT
LC22	Height $\geq$ 1100mm					ACCOMPLISH
LCG3	With sufficient strength and stiffness to withstand horizontally uniformly distributed force of 3 kN/m					ACCOMPLISH
LCG4	Can not be climbable					ACCOMPLISH
LCG5	Width of Horizontal and Vertical openings $\leq$ 100mm					ACCOMPLISH
LCG6	1- Availability of continuous base on the entire open side length 2- Continuous base $\geq$ 100mm high from the floor surface for ramps & stairs					PERMIT
LCWT	<b>Warning tactile surface</b>					
LCWT1	Available in the beginning and end of every level change including ramps and stair landings , or any dangerous element					ACCOMPLISH
LCWT2	Installed along the entire width of the element					ACCOMPLISH
LCWT3	The width $\geq$ 300mm					ACCOMPLISH
LCWT4	Located at 300mm away from the edge of the ramp or stair flight or any dangerous element					ACCOMPLISH
LCWT5	Warning tactile truncated cones diameter = 30mm at bottom and 20mm at top, and protruding 4mm					ACCOMPLISH
LCWT6	Non glare on shiny or slippery					ACCOMPLISH
LCR	<b>Ramps</b>					

LCR1	Ramps used only when gradient of level >5%					PERMIT
LCR2	Slope is $\leq 8\%$ or 1:12					PERMIT
LCR3	Cross fall gradient $\leq 2\%$					ACCOMPLISH
LCR4	Run length $\leq 10$ meters					PERMIT
LCR5	Run width = 1000 mm between handrails					PERMIT
LCR6	No curved ramps					PERMIT
LCR7	Landings at the beginning and end of every run - surface 1500 mm x 1500 mm					PERMIT
LCR8	Level landings or $\leq 2\%$					ACCOMPLISH
LCR9	Corridors in landings width $\geq 1200$ mm width					PERMIT
LCR10	No door located at $\leq 1500$ mm from start and or end of each ramps					PERMIT
LCS	<b>Stairs</b>					
LCS1	Availability of alternative elevator accompanied with internal staircase in more than one story building					PERMIT
LCS2	Steps rises between 150 - 175 mm					PERMIT
LCS3	Steps stair treads between 300 - 340 mm					PERMIT
LCS4	Steps rise (R) and Tread (T) fulfil: $600 \text{ mm} < 2R + T < 650 \text{ mm}$					PERMIT
LCS5	No curved stairs					PERMIT
LCS6	No open risers or discontinued treads					PERMIT
LCS7	Steps with nosing $\leq 25$ mm					ACCOMPLISH
LCS8	30 mm from the step edge space along the stair flight width shall present a reflectance contrast of 30 LRV					ACCOMPLISH
LCS9	Steps with same height with a $\pm 4$ mm tolerance					ACCOMPLISH
LCS10	Stair flights steps number between 3 and 12					PERMIT

LCS11	Usable stair flight width $\geq$ 1200 mm					PERMIT
LCS12	Illumination at top and bottom of the flight $\geq$ 200lux					ACCOMPLISH
LCS13	Landing with same width of stair and a length $\geq$ 1200 mm					PERMIT
LCS14	Empty space with height < 2200 mm under the stair is protected					ACCOMPLISH
LCH	<b>Handrail for Ramps &amp; Stairs &gt; 500mm high</b>					
LCH1	300 mm horizontal extension at its ends					ACCOMPLISH
LCH2	Presence of intermediate handrail for stairs to keep distance of at most 2100 mm					PERMIT
LCH3	Mounted at Height of 900 mm					ACCOMPLISH
LCH4	Additional handrail at a height between 650 - 750 mm					ACCOMPLISH
LCH5	In ramps the distance between both sides of handrails is 1000mm					PERMIT
LCH6	Rounded section of 30 - 40 mm separated from the wall with a distance $\geq$ 40 mm					ACCOMPLISH
LCH7	Handrails designed to allow continuity of gripping without interfering its mounting system					ACCOMPLISH
LCH8	Contrast of 30 LRV against its background					ACCOMPLISH
LCH9	Handrails made of comfortable materials against heat and coldness					ACCOMPLISH
LCE	<b>elevators</b>					
LCE1	Present in buildings with more than one floor					PERMIT
LCE2	Accessible from ground floor in public areas					PERMIT

LCE3	Dimensions shall comply: One door $\geq 1200 \times 1500$ mm opposing doors $\geq 1200 \times 1500$ mm doors in $90^\circ \geq 1500 \times 1500$ mm	Two	Two			PERMIT
LCE4	Automatic doors with a width of 900 mm and colour contrast against walls					ACCOMPLISH
LCE5	Maneuvering space of $1500 \times 1500$ mm in front the elevator access					ACCOMPLISH
LCE6	Elevator calling buttons height between 900 - 1200 mm					ACCOMPLISH
LCE7	Floor indicator located at 1830mm					ACCOMPLISH
LCE8	Only one mirror inside the cabin on the wall opposite to the door over the handrail level					ACCOMPLISH
LCE9	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCE10	Inside the cabin, buttons height between 900 - 1200 mm with Braille					ACCOMPLISH
LCE11	The ground floor button protruded $\geq 3$ mm distinguished with a green color					ACCOMPLISH
LCE12	Call buttons distinguished with icons and color contrast against background					ACCOMPLISH
LCE13	Buttons provide two-channel feedback/ visual & acoustic OR visual & tactile					ACCOMPLISH
LCE14	Emergency phone number is indicated by graphic and tactile					ACCOMPLISH
LCE15	CCTV or intercom or alternative system					ACCOMPLISH

LCE16	Light on the ceiling only with 100 lux					ACCOMPLISH
LCE17	In panoramic elevators, an opaque wall or corner is provided					ACCOMPLISH
LCE17	Automatic doors open at least 3 seconds					ACCOMPLISH
LCE18	Doors provided with sensors at two levels open automatically					ACCOMPLISH
LCE19	Door force less than 135N					ACCOMPLISH
LCE20	Indication sign of accessible elevator direction when various options of vertical circulation					OPERATION
LCE21	Braille & tactile signage on the door jamb at 1500mm height					ACCOMPLISH
LCE22	Audible signal or voice announcement when reaching each floor					ACCOMPLISH
LCE23	Advisory signs indicating safety procedures and other regulatory information					OPERATION
LCL	<b>Lift Platforms, if provided</b>					
LCL1	Dimensions of the cabin on min. 900 x 1500 mm					PERMIT
LCL2	Maneuvering space of 1500 x 1500 mm in front the lift access					PERMIT
LCL3	Calling button height between 700 - 1200 mm					ACCOMPLISH
LCL4	Doors width of 900 mm					PERMIT
LCL5	Cabin with side protections to isolate users from side walls					ACCOMPLISH
LCL6	Inside the cabin, minimum two handrails at a height of 800mm to 1000mm from the floor					ACCOMPLISH

LCL7	Inside the cabin, continuous pressing buttons operable with the elbow					ACCOMPLISH
LCL8	Additional external control by authorized person					OPERATION
LCL9	2000mm travel height if open cabin 4000mm height if full cabin					PERMIT
<b>LCEs</b>	<b>Escalators, Travellators &amp; Mechanical Ramps</b>					
LCEs1	Moving surface gradient $\leq 5\%$					PERMIT
LCEs2	Contrast pavement with surrounding at the beginning and end of travellator					ACCOMPLISH
LCEs3	Marked travel direction					ACCOMPLISH
LCEs4	Audio system indicating start and end					ACCOMPLISH

SP	Sanitary Provisions	YES	N/A	NON	Comments	Audit Phase
SPpt	<b>Public Toilets</b>					
SPpt1	Public toilets for male and female provided					PERMIT
SPpt2	Public toilet within 150 m distance					PERMIT
SPpt3	Furniture have a reflectance contrast of at least 30 points LRV					OPERATION
SPpt4	Toilet appliances height between 900 - 1200 mm					ACCOMPLISH
SPpt5	Toilet appliances automatically activated or operable with the elbow					ACCOMPLISH
SPpt6	Door clear width 900mm and comply door requirements					PERMIT

SPpt7	Door latches operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPpt8	Coat hanger on the door from inside the accessible cabin between 1100 - 1400 mm					ACCOMPLISH
SPpt9	If 2 or more urinals, 1 with usable height at 300 mm and with grab bars at height of 700 - 1200mm					ACCOMPLISH
SPpt10	Flushing systems are operated by pressing or with a flush handle with large surface and operable with one hand or elbow, toilets and urinals					ACCOMPLISH
SPpt11	Distance between the urinal grab bars is 500 mm					ACCOMPLISH
SPpt12	Urinal Grab bars mounted between 700mm from bottom up to 1200mm height					ACCOMPLISH
SPpt13	In each toilet block a baby changing board is provided					PERMIT
SPpt14	Non slippery floor surface with Pendulum Test Value (PTV) $\geq$ 45					ACCOMPLISH
SPpt15	With wash basins in a row, 1 is accessible					ACCOMPLISH
SPpt16	Accessible wash basin clearance from ground surface space $\geq$ 700 mm high and $\geq$ 250 mm deep					ACCOMPLISH
SPpt17	Usable wash basin surface top height between 800 - 850 mm					ACCOMPLISH
SPpt18	Faucets (water tap) operated by pressing button or a lever handle or with a sensor ( Not turning valve)					ACCOMPLISH

SPpt19	Distance to the faucet ( water tap) shall be less than 600 mm and vertical between 900 mm and 1200 mm.					ACCOMPLISH
SPpt20	Lower edge of mirror ≤ 900 mm height					ACCOMPLISH
SPpt21	Controls and accessories height (soap dispenser, dryer) mounted at height 700 - 1200mm					ACCOMPLISH
SPpt22	Advisory signs indicating safety procedures and other regulatory information					OPERATION
SPat	<b>Accessible toilet</b>					
SPat1	One accessible toilet for each gender in every floor or 1 independent accessible toilet for both genders					PERMIT
SPat2	One accessible toilet within a 150 m distance from any part of the building					PERMIT
SPat3	Corridors width in toilets, showers, lockers spaces of 1200 mm					PERMIT
SPat4	Maneuvering turning space diameter of 1500 mm in circulations					PERMIT
SPat5	Maneuvering space diameter of 1500 mm inside the toilet					PERMIT
SPat6	Maneuvering space height between 0 to 700mm free of obstacles					ACCOMPLISH
SPat7	Lateral interaction space on both sides of the toilet or on one side if symmetrical units					ACCOMPLISH
SPat8	Lateral interaction space size 865mm x 1420mm					ACCOMPLISH

SPat9	Door open outwards or is sliding					PERMIT
SPat10	Door with horizontal 300 mm grab bar placed between 900 - 1000 mm height at 300 mm from the hinge side					ACCOMPLISH
SPat11	Latch operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPat12	Coat hanger between 1100 - 1200 mm					ACCOMPLISH
<b>SPgb</b>	<b>Grab bars in accessible toilets</b>					
SPgb1	The space between grab bars and the wall $\geq$ 45mm					ACCOMPLISH
SPgb2	Withstand a force of 1 kN in any direction					ACCOMPLISH
SPgb3	Circular diameter between 30 - 40 mm					ACCOMPLISH
SPgb4	Horizontal bars height between 700 - 750 mm. Support length of 700 mm					ACCOMPLISH
SPgb5	Bars mounted in the transfer space must be foldable					ACCOMPLISH
SPgb6	With two transfer areas, distance between both grab bars 670 mm and 700 mm					ACCOMPLISH
SPgb7	With one transfer area, horizontal bars mounted in wall 300 mm from the sanitary edge with 700mm length and mounted 700 - 750mm					ACCOMPLISH
SPgb8	600mm vertical bar mounted 700 - 750mm from ground away 700mm from the wall					ACCOMPLISH
SPgb9	Toilet height between 450 - 500 mm					ACCOMPLISH
<b>SPsh</b>	<b>Showers, if provided</b>					

SPsh1	Shower floor surface at same floor level with surrounding area					ACCOMPLISH
SPsh2	Drain water slope $\leq 4\%$					ACCOMPLISH
SPsh3	Dimensions of showers area at least 865 x 1200 mm and a seat of at least 400 x 400 mm					PERMIT
SPsh4	Seat located at a height between 450 - 500 mm and separated from the wall between 150 - 200 mm					ACCOMPLISH
SPsh5	Horizontal bar length 800 mm mounted 700 - 750 mm from the ground					ACCOMPLISH
SPsh6	Two Vertical bars length of 800 mm in the lateral wall of the shower seat mounted 800 mm from the floor level					ACCOMPLISH
SPsh7	Distance between vertical bars between 670 - 700 mm					ACCOMPLISH
SPsh8	Controls within 500mm away from the shower seat					ACCOMPLISH
SPft1	<b>family toilet</b>					
SPft1	One family toilet within 300 m distance from any part of the building					PERMIT
Spab	<b>Ablution areas, if provided</b>					
SPab1	Electronic or sensor faucets					ACCOMPLISH
SPab2	One accessible ablution unit linked to an accessible path. The closest from the entrance					PERMIT
SPab3	Two horizontal bars mounted between 700 - 800 mm with the same length of wash basin					ACCOMPLISH
SPab4	All Accessories at a height between 700 - 1200 mm					ACCOMPLISH

SPab5	Provides bidet shower system, soap and paper					ACCOMPLISH
SPab6	Approaching free space of 1200 mm					ACCOMPLISH
SPab7	The approaching free space with contrast $\geq 30$ points LRV					ACCOMPLISH
<b>CHR</b>	<b>Changing rooms</b>	YES	N/A	NON	Comments	Audit Phase
	<b>Accessible dressing or changing rooms</b>					
CHR1	Corridors width $\geq 1000$ mm and direction changes with Maneuvering turning space of 1500mm					PERMIT
CHR2	Approaching space for lockers, benches and furniture 1420 x 865mm					PERMIT
CHR3	1 of 10 showers is accessible, if provided					PERMIT
CHR4	1 of 10 toilet is accessible, if provided					PERMIT
<b>FU</b>	<b>Furniture</b>	YES	N/A	NON	Comments	Audit Phase
FU1	Without sharp edges, protruding objects, burning surfaces. With contrasting colour. Made with non-toxic material, and noted if causing allergy					OPERATION
FUt	<b>Tables</b>					
FUt1	Height of the top $\leq 800$ mm					OPERATION
FUt2	Clearance height under the table $\geq 680$ mm					OPERATION
FUt3	Clearance depth under the table $\geq 480$ mm					OPERATION

FUt4	Tables without integrated seats					OPERATION
FUc	<b>Chairs and Benches</b>					
FUc1	Seat height of 430 mm with a $\pm$ 30 mm tolerance					OPERATION
FUc2	Seat depth between 400 - 450 mm					OPERATION
FUc3	With backrest height between 400 - 460 mm					OPERATION
FUc4	Some seats with armrests					OPERATION
FUc5	At least in one side has lateral interaction spacem for wheelchair min 865 x 1420mm with international symbol					OPERATION
FUc6	Outdoor spaces - benches every 100 meters accompanied with shaded areas every 50 m In buildings - benches or seat types every 50 meters					OPERATION
FUd	<b>Drinking fountains, if provided</b>					
FUd1	Two fountains with different heights $\leq$ 915mm for the lower one with leg clearance					OPERATION
FUd2	Comfortable frontal and lateral approach					OPERATION
FUd3	If manual button, minimum height = 700mm for the lower one and maximum 1200mm for the higher one					OPERATION
FUd4	Water supply between 600 - 900mm height					OPERATION
FUd5	With bottle filler					OPERATION
FUd6	Clearly visible with contrasting background					OPERATION

FUtb	Trash bins, if provided					
FUtb1	Not located in the accessible path					OPERATION
FUtb2	Lateral space of interaction of at least 865 x 1420mm					OPERATION
FUtb3	Trash bin opening height $\leq$ 900 mm					OPERATION
FUtb4	Trash bins every 50 meters					OPERATION
FUtb5	When fixed to the walls protrude $\leq$ 250 mm					OPERATION
FUtb6	Operable with an elbow if opening mechanism is provided					OPERATION
FUtb7	Well contrasted signage					OPERATION
FUv	Vending machines and ATM's, if provided					
FUv1	One frontal or lateral interaction space 865 - 1420mm					OPERATION
FUv2	Floor surface is smooth, non-slippery with a gradient $\leq$ 2%					OPERATION
FUv3	Screen and keyboard are visible from a point located 1000 mm above the floor					OPERATION
FUv4	Screen and keyboard with no reflection or glare					OPERATION
FUv5	Control buttons height between 400 - 1200 mm and $\geq$ 600 mm from any corner					OPERATION
FUv6	Control buttons with high embossed text and Braille					OPERATION

FUv7	Card slot height between 800 - 1200 mm					OPERATION
FUv8	Visual and acoustic indication system and alarm system provided					OPERATION
FUv9	Audio information provided					OPERATION
FUv10	CCTV Intercom provided					OPERATION
FUv11	Slots are wide and have a funnel effect					OPERATION
FUb	<b>Bollards, planters, telephone booths and other furniture elements, if provided</b>					
FUb1	Outside the accessible path or do not reduce accessible path $\leq$ 1200mm					OPERATION

PA	Parking and drop off point	YES	N/A	NON	Comments	Audit Phase
PA1	Pick up & drop off area provided					PERMIT
<b>Accessible parking places, access to parking lots</b>						
PA2	Number of accessible parking lots, if parking facilities provided: 1.3 % of the total number of parking spots. A partial parking to be considered as a full parking at the maximum number of 5 parkings					PERMIT
PA3	Accessible spaces as close as possible to the entrance of the building and no more than 50 m					PERMIT
PA4	Dimensions of accessible parking spaces: 2500 x 6000 mm for angled parking, 2600 x 6000 mm for parking along the sidewalk					PERMIT
PA5	With lateral access aisle $\geq$ 1200 mm					PERMIT
PA6	Signs mounted at 2200 mm with international symbol					ACCOMPLISH
PA7	Marked with international symbols					ACCOMPLISH
PA8	Curb cut with maximum 8% slope					ACCOMPLISH

AR	Accessible Room	YES	N/A	NON	Comments	Audit Phase
ARh	Hotel rooms					
ARh1	10% of rooms are accessible with accessible toilet					PERMIT
ARh2	Half of the accessible hotel rooms with roll-in showers and					PERMIT
ARh3	Toilet with alarm string					OPERATION
ARh4	Clear route & 1500 x 1500 mm free space beside the bed					OPERATION
ARh5	Illumination $\geq$ 200 lux					ACCOMPLISH
ARh6	Controls placed at height between 700 - 1200 mm					ACCOMPLISH
ARh7	Electronic outlets at height between 400 - 1000mm					OPERATION
ARh8	The bed height $\leq$ 500 mm					OPERATION
ARh9	Acoustic and visual fire alarm provided and audible door bell					OPERATION
ARh10	Dressing mirror provided with front space up to 2000mm					OPERATION
ARh11	Shelves and drawers are provided between 700 -1200mm from the floor and clothes hanger placed at height 1200mm					OPERATION
ARh12	Viewing device provided in the door at height 800 - 1000mm					ACCOMPLISH
Ard	Dining rooms					
ARd1	Accessible path of travel provided to half of dining area (900mm minimum)					OPERATION
ARd2	Illumination $\geq$ 100 lux provided in at least 10% of dining rooms					ACCOMPLISH
ARd3	Sound reduction materials used in dining rooms, floors and walls made of washable materials					OPERATION
ARd4	10% of the tables shall comply with the dimensional criteria for tables					OPERATION
ARd5	The self service tables height located between 900 - 1200mm from the floor					OPERATION
ARd6	Minimum 900mm clear passage to all food service area					OPERATION
ARd7	Spaces for children strollers and mobility devices are provided, 10 seats are movable					OPERATION

# Building Department

## Research & Building Systems Section

### New Museums Checklist



# New Museums

Entrance      Path      Level Changes  
 Stairs, Ramp,      Sanitary      Parking & drop      Hearing  
 Elevators      Provisions      off point      Enhancement

≤ 1000 m2	UA*	UA/P	UA	UA/P	UA	UA
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UA	Universally Accessible
UA*	When the building is built in a floodable zone the entrances of the building can have a change in level from the exterior floor level. In this exceptional case the entrances solutions may be permitted.
UA/P	Only for small new and existing buildings: paths can be smaller respecting the Tolerance Limits and is permitted interaction space only in one side in the toilet. Only for retrofitting existing buildings: The building facility shall be Universally Accessible; however, if the Universal Accessibility level is technically or economically impossible exceptions can be accepted respecting the Tolerance Limits

CODE	CRITERIA	EVALUATION			COMMENTS	AUDIT PHASE
		YES	N/A	NON		
E	Entrance					
E1	Gradients of entrances ≤ 5%					PERMIT
E2	When several paths, both accessible and inaccessible marked					ACCOMPLISH
E3	If accessible door not the main door, it is marked with directional sign					ACCOMPLISH
E4	Identification number and exact address for each entrance					OPERATION
E5	In public use buildings, reception desk near the entrance					ACCOMPLISH
E6	Dimensions doors ≥ 900mm width x 2100mm height					PERMIT
E7	Automatic door					ACCOMPLISH
E8	3 seconds or more to move from closed to fully open position - Remain fully open for a minimum 5 seconds - Force not more than 66N					ACCOMPLISH
E9	Doormats levelled with ± 2mm					ACCOMPLISH
E10	Access controls barriers with at least one barrier with width ≥ 900mm if provided					OPERATION

EGT	Guiding tactile pavements					
EGT1	Guiding tactile pavement from building entrance to information desk or reception.					PERMIT
EGT2	Guiding tactile pavement width $\geq$ 400mm					ACCOMPLISH
EGT3	Guiding tactile strips width = 40mm at bottom and 30mm at top, and protruding 4mm					ACCOMPLISH
EGT4	Non glare on shiny or slippery					ACCOMPLISH
ER	Counters and reception areas					
ER1	Reception areas with seating places and interaction spaces					OPERATION
ER2	Front desks with accessible interaction space					OPERATION
ER3	Low counter height between 750-790mm & high counter height between 950-1250mm					OPERATION
ER4	Under the desk a space of 680 mm height and 480 mm deep					OPERATION
ER5	When required, hearing enhancement systems using induction loop, infrared and radio frequency are provided					OPERATION
ER6	With international symbol if access for hearing loss					OPERATION
P	Path	YES	N/A	NON	Comments	Audit Phase
PE	Accessible path of travel - External					
PE1	1800 mm wide without obstacle, from the parking to the entrance, segregated from traffic circulation					PERMIT
PE2	Linear and continued					PERMIT
PE3	Intersections clearly Visible with signs or lights					ACCOMPLISH
PE4	Gradient $\leq$ 5%					ACCOMPLISH
PE5	Clear headroom $\geq$ 2200mm					PERMIT
PE6	Absence of uneven Surfaces - irregularities $\leq$ 5 mm					OPERATION

PE7	<b>Absence of protruding objects:</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
PE8	Furniture comply detection cone rule					OPERATION
PE9	Illumination level $\geq 10$ lux					ACCOMPLISH
PE10	No drain grids on accessible crossings ( outside the intersection)					ACCOMPLISH
PE11	Free of obstacles and located between the building's façade and the furniture zone					ACCOMPLISH
PE12	Parking entrance do not modify the slope or width of the accessible path					ACCOMPLISH
PE13	Curb height between 100 mm and 150 mm					ACCOMPLISH
PE14	Cross slope gradient $\leq 2\%$					ACCOMPLISH
PE15	Pedestrian bridges with ramps or elevators if provided					PERMIT
PF	<b>Floor Surface</b>					
PF1	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ dry areas indoor - (PTV) Between 15 and 35					ACCOMPLISH
PF2	Slip resistance (PTV) comply: Inclined $> 5\%$ dry areas indoor, (PTV) $\geq 35$					ACCOMPLISH
PF3	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ wet areas and outdoor - (PTV) Between 35 and 45					ACCOMPLISH
PF4	Slip resistance (PTV) comply: Inclined $> 5\%$ wet areas and outdoor,(PTV) $\geq 45$					ACCOMPLISH
PF5	Slip resistance (PTV) comply: Street pavement, swimming pools and showers, (PTV) $\geq 45$					ACCOMPLISH

PF6	Ground pavement without loose elements					OPERATION
PF7	Rugs and carpets are firmly fixed and do not increase the strength required to roll over a ceramic pavement by $\geq 25\%$					OPERATION
PF8	Without rounded edges and excessive joints					ACCOMPLISH
PF9	Not producing glare					ACCOMPLISH
PF10	With reflectance contrast of at least 30 points LRV between accessible pavement (surrounding surface or 300mm pavement strip)					ACCOMPLISH
PF11	Lighting in floor (Flooring Light) not produces glare and excessive heat					ACCOMPLISH
PF12	Absence of utility covers (manhole covers) on the path or with height less of 5 mm					ACCOMPLISH
PF13	Absence of drain grids on the path or with holes smaller than 5 mm					ACCOMPLISH
PF14	Change of pavement level $\leq 15\text{mm}$ , with $\leq 25\%$ gradient slope (chamfered)					ACCOMPLISH
PF15	Longitudinal grate openings with perpendicular orientation to the pedestrians' direction of travel					ACCOMPLISH
PF16	For distance between tree basin edge and the façade $\leq 2000$ mm, tree grate with walkable surface					ACCOMPLISH
PI	<b>Internal corridors</b>					
PI1	Width $\geq 1000$ mm					PERMIT
PI2	In direction changes a Maneuvering space of 1200 mm					PERMIT
PI3	Tactile warning surface in any change of level					PERMIT
PI4	Illumination $\geq 60$ lux					ACCOMPLISH
PI5	Clear headroom $\geq 2200\text{mm}$					PERMIT

PI6	<b>Absence of protruding objects</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
<b>LC</b>	<b>Level Changes</b>	YES	N/A	NON	Comments	Audit Phase
<b>LCG</b>	<b>Guardrails</b>					
LCG1	Absence of unprotected level changes - guardrails for heights $\geq$ 500mm					PERMIT
LC22	Height $\geq$ 1100mm					ACCOMPLISH
LCG3	With sufficient strength and stiffness to withstand horizontally uniformly distributed force of 3 kN/m					ACCOMPLISH
LCG4	Can not be climbable					ACCOMPLISH
LCG5	Width of Horizontal and Vertical openings $\leq$ 100mm					ACCOMPLISH
LCG6	1- Availability of continuous base on the entire open side length 2- Continuous base $\geq$ 100mm high from the floor surface for ramps & stairs					PERMIT
<b>LCWT</b>	<b>Warning tactile surface</b>					
LCWT1	Available in the beginning and end of every level change including ramps and stair landings , or any dangerous element					ACCOMPLISH
LCWT2	Installed along the entire width of the element					ACCOMPLISH
LCWT3	The width $\geq$ 300mm					ACCOMPLISH

LCWT4	Located at 300mm away from the edge of the ramp or stair flight or any dangerous element					ACCOMPLISH
LCWT5	Warning tactile truncated cones diameter = 30mm at bottom and 20mm at top, and protruding 4mm					ACCOMPLISH
LCWT6	Non glare on shiny or slippery					ACCOMPLISH
LCR	<b>Ramps</b>					
LCR1	Ramps used only when gradient of level >5%					PERMIT
LCR2	Slope is $\leq 8\%$ or 1:12					PERMIT
LCR3	Cross fall gradient $\leq 2\%$					ACCOMPLISH
LCR4	Run length $\leq 10$ meters					PERMIT
LCR5	Run width = 1000 mm between handrails					PERMIT
LCR6	No curved ramps					PERMIT
LCR7	Landings at the beginning and end of every run -surface 1500 mm x 1500 mm					PERMIT
LCR8	Level landings or $\leq 2\%$					ACCOMPLISH
LCR9	Corridors in landings width $\geq 1200$ mm width					PERMIT
LCR10	No door located at $\leq 1500$ mm from start and or end of each ramps					PERMIT
LCS	<b>Stairs</b>					
LCS1	Availability of alternative elevator accompanied with internal staircase in more than one story building					PERMIT
LCS2	Steps rises between 150 - 175 mm					PERMIT
LCS3	Steps stair treads between 300 - 340 mm					PERMIT
LCS4	Steps rise (R) and Tread (T) fulfil: $600 \text{ mm} < 2R + T < 650 \text{ mm}$					PERMIT
LCS5	No curved stairs					PERMIT

LCS6	No open risers or discontinued treads					PERMIT
LCS7	Steps with nosing $\leq 25$ mm					ACCOMPLISH
LCS8	30 mm from the step edge space along the stair flight width shall present a reflectance contrast of 30 LRV					ACCOMPLISH
LCS9	Steps with same height with a $\pm 4$ mm tolerance					ACCOMPLISH
LCS10	Stair flights steps number between 3 and 12					PERMIT
LCS11	Usable stair flight width $\geq 1200$ mm					PERMIT
LCS12	Illumination at top and bottom of the flight $\geq 200$ lux					ACCOMPLISH
LCS13	Landing with same width of stair and a length $\geq 1200$ mm					PERMIT
LCS14	Empty space with height $< 2200$ mm under the stair is protected					ACCOMPLISH
LCH	<b>Handrail for Ramps &amp; Stairs &gt; 500mm high</b>					
LCH1	300 mm horizontal extension at its ends					ACCOMPLISH
LCH2	Presence of intermediate handrail for stairs larger than 2100 mm					PERMIT
LCH3	Mounted at Height of 900 mm					ACCOMPLISH
LCH4	Additional handrail at a height between 650 - 750 mm					ACCOMPLISH
LCH5	The distance between both sides of handrails is 1000mm					PERMIT
LCH6	Rounded section of 30 - 40 mm separated from the wall with a distance $\geq 40$ mm					ACCOMPLISH
LCH7	Handrails designed to allow continuity of gripping without interfering its mounting system					ACCOMPLISH
LCH8	Contrast of 30 LRV against its background					ACCOMPLISH
LCH9	Handrails made of comfortable materials against heat and coldness					ACCOMPLISH

LCE	elevators					
LCE1	Present in buildings with more than one floor					PERMIT
LCE2	Accessible from ground floor in public areas					PERMIT
LCE3	Dimensions shall comply: One door $\geq 1200 \times 1500$ mm Two opposing doors $\geq 1200 \times 1500$ mm Two doors in $90^\circ \geq 1500 \times 1500$ mm					PERMIT
LCE4	Automatic doors with a width of 900 mm and colour contrast against walls					ACCOMPLISH
LCE5	Maneuvering space of $1500 \times 1500$ mm in front the elevator access					ACCOMPLISH
LCE6	Elevator calling buttons height between 900 - 1200 mm					ACCOMPLISH
LCE7	Floor indicator located at 1830mm					ACCOMPLISH
LCE8	Only one mirror inside the cabin on the wall opposite to the door over the handrail level					ACCOMPLISH
LCE9	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCE10	Inside the cabin, buttons height between 900 - 1200 mm with Braille					ACCOMPLISH
LCE11	The ground floor button protruded $\geq 3$ mm distinguished with a green color					ACCOMPLISH
LCE12	Call buttons distinguished with icons and color contrast against background					ACCOMPLISH

LCE13	Buttons provide two-channel feedback/ visual & acoustic OR visual & tactile					ACCOMPLISH
LCE14	Emergency phone number is indicated by graphic and tactile					ACCOMPLISH
LCE15	CCTV or intercom or alternative system					ACCOMPLISH
LCE16	Light on the ceiling only with 100 lux					ACCOMPLISH
LCE17	In panoramic elevators, an opaque wall or corner is provided					ACCOMPLISH
LCE17	Automatic doors open at least 3 seconds					ACCOMPLISH
LCE18	Doors provided with sensors at two levels open automatically					ACCOMPLISH
LCE19	Door force less than 135N					ACCOMPLISH
LCE20	Indication sign of accessible elevator direction when various options of vertical circulation					OPERATION
LCE21	Braille & tactile signage on the door jamb at 1500mm height					ACCOMPLISH
LCE22	Audible signal or voice announcement when reaching each floor					ACCOMPLISH
LCE23	Advisory signs indicating safety procedures and other regulatory information					OPERATION
LCL	<b>Lift Platforms, if provided</b>					
LCL1	Dimensions of the cabin on min. 900 x 1500 mm					PERMIT
LCL2	Maneuvering space of 1500 x 1500 mm in front the lift access					PERMIT
LCL3	Calling button height between 700 - 1200 mm					ACCOMPLISH
LCL4	Doors width of 900 mm					PERMIT

LCL5	Cabin with side protections to isolate users from side walls					ACCOMPLISH
LCL6	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCL7	Inside the cabin, continuous pressing buttons operable with the elbow					ACCOMPLISH
LCL8	Additional external control by authorized person					OPERATION
LCL9	2000mm travel height if open cabin 4000mm height if full cabin					PERMIT
<b>LCEs</b>	<b>Escalators, Travellators &amp; Mechanical Ramps</b>					
LCEs1	Moving surface gradient $\leq 5\%$					PERMIT
LCEs2	Contrast pavement with surrounding at the beginning and end of travellator					ACCOMPLISH
LCEs3	Marked travel direction					ACCOMPLISH
LCEs4	Audio system indicating start and end					ACCOMPLISH
<b>SP</b>	<b>Sanitary Provisions</b>	YES	N/A	NON	Comments	Audit Phase
<b>SPpt</b>	<b>Public Toilets</b>					
SPpt1	Public toilets for male and female provided					PERMIT
SPpt2	Public toilet within 150 m distance					PERMIT
SPpt3	Furniture have a reflectance contrast of at least 30 points LRV					OPERATION
SPpt4	Toilet appliances height between 900 - 1200 mm					ACCOMPLISH

SPpt5	Toilet appliances automatically activated or operable with the elbow					ACCOMPLISH
SPpt6	Door clear width 900mm and comply door requirements					PERMIT
SPpt7	Door latches operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPpt8	Coat hanger on the door from inside the accessible cabin between 1100 - 1400 mm					ACCOMPLISH
SPpt9	If 2 or more urinals, 1 with usable height at 300 mm and with grab bars at height of 700 - 1200mm					ACCOMPLISH
SPpt10	Flushing systems are operated by pressing or with a flush handle with large surface and operable with one hand or elbow, toilets and urinals					ACCOMPLISH
SPpt11	Distance between the urinal grab bars is 500 mm					ACCOMPLISH
SPpt12	Urinal Grab bars mounted between 700mm from bottom up to 1200mm height					ACCOMPLISH
SPpt13	In each toilet block a baby changing board is provided					PERMIT
SPpt14	Non slippery floor surface with Pendulum Test Value (PTV) $\geq$ 45					ACCOMPLISH
SPpt15	With wash basins in a row, 1 is accessible					ACCOMPLISH
SPpt16	Accessible wash basin clearance from ground surface space $\geq$ 700 mm high and $\geq$ 250 mm deep					ACCOMPLISH
SPpt17	Usable wash basin surface top height between 800 - 850 mm					ACCOMPLISH

SPpt18	Faucets (water tap) operated by pressing button or a lever handle or with a sensor ( Not turning valve)					ACCOMPLISH
SPpt19	Distance to the faucet ( water tap) shall be less than 600 mm and vertical between 900 mm and 1200 mm.					ACCOMPLISH
SPpt20	Lower edge of mirror ≤ 900 mm height					ACCOMPLISH
SPpt21	Controls and accessories height (soap dispenser, dryer) mounted at height 700 - 1200mm					ACCOMPLISH
SPpt22	Advisory signs indicating safety procedures and other regulatory information					OPERATION
SPat	<b>Accessible toilet</b>					
SPat1	One accessible toilet for each gender in every floor or 1 independent accessible toilet for both genders					PERMIT
SPat2	One accessible toilet within a 150 m distance from any part of the building					PERMIT
SPat3	Corridors width in toilets, showers, lockers spaces of 1200 mm					PERMIT
SPat4	Maneuvering turning space diameter of 1500 mm in circulations					PERMIT
SPat5	Maneuvering space diameter of 1500 mm inside the toilet					PERMIT
SPat6	Maneuvering space height between 0 to 700mm free of obstacles					ACCOMPLISH
SPat7	Lateral interaction space on both sides of the toilet or on one side if symmetrical units					ACCOMPLISH
SPat8	Lateral interaction space size 865mm x 1420mm					ACCOMPLISH

SPat9	Door open outwards or is sliding					PERMIT
SPat10	Door with horizontal 300 mm grab bar placed between 900 - 1000 mm height at 300 mm from the hinge side					ACCOMPLISH
SPat11	Latch operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPat12	Coat hanger between 1100 - 1200 mm					ACCOMPLISH
<b>SPgb</b>	<b>Grab bars in accessible toilets</b>					
SPgb1	The space between grab bars and the wall $\geq$ 45mm					ACCOMPLISH
SPgb2	Withstand a force of 1 kN in any direction					ACCOMPLISH
SPgb3	Circular diameter between 30 - 40 mm					ACCOMPLISH
SPgb4	Horizontal bars height between 700 - 750 mm. Support length of 700 mm					ACCOMPLISH
SPgb5	Bars mounted in the transfer space must be foldable					ACCOMPLISH
SPgb6	With two transfer areas, distance between both grab bars 670 mm and 700 mm					ACCOMPLISH
SPgb7	With one transfer area, horizontal bars mounted in wall 300 mm from the sanitary edge with 700mm length and mounted 700 - 750mm					ACCOMPLISH
SPgb8	600mm vertical bar mounted 700 - 750mm from ground away 700mm from the wall					ACCOMPLISH
SPgb9	Toilet height between 450 - 500 mm					ACCOMPLISH
<b>SPsh</b>	<b>Showers, if provided</b>					
SPsh1	Shower floor surface at same floor level with surrounding area					ACCOMPLISH

SPsh2	Drain water slope $\leq$ 4%					ACCOMPLISH
SPsh3	Dimensions of showers area at least 865 x 1200 mm and a seat of at least 400 x 400 mm					PERMIT
SPsh4	Seat located at a height between 450 - 500 mm and separated from the wall between 150 - 200 mm					ACCOMPLISH
SPsh5	Horizontal bar length 800 mm mounted 700 - 750 mm from the ground					ACCOMPLISH
SPsh6	Two Vertical bars length of 800 mm in the lateral wall of the shower seat mounted 800 mm from the floor level					ACCOMPLISH
SPsh7	Distance between vertical bars between 670 - 700 mm					ACCOMPLISH
SPsh8	Controls within 500mm away from the shower seat					ACCOMPLISH
SPft1	<b>family toilet</b>					
SPft1	One family toilet within 300 m distance from any part of the building (accessible toilet outside the toilet blocks accepted as family toilet)					PERMIT
Spab	<b>Ablution areas, if provided</b>					
SPab1	Electronic or sensor faucets					ACCOMPLISH
SPab2	One accessible ablution unit linked to an accessible path. The closest from the entrance					PERMIT
SPab3	Two horizontal bars mounted between 700 - 800 mm with the same length of wash basin					ACCOMPLISH
SPab4	All Accessories at a height between 700 - 1200 mm					ACCOMPLISH
SPab5	Provides bidet shower system, soap and paper					ACCOMPLISH
SPab6	Approaching free space of 1200 mm					ACCOMPLISH
SPab7	The approaching free space with contrast $\geq$ 30 points LRV					ACCOMPLISH

PA	Parking and drop off point	YES	N/A	NON	Comments	Audit Phase
PA1	Pick up & drop off area provided					PERMIT
<b>Accessible parking places, access to parking lots</b>						
PA2	<p><b>Number of accessible parking lots, if parking facilities provided:</b> 1.3 % of the total number of parking spots.</p> <p>A partial parking to be considered as a full parking at the maximum number of 10 parkings</p> <p><b>If parking facilities not provided:</b> 2 bays in public areas close to the entrance</p>					PERMIT
PA3	Accessible spaces as close as possible to the entrance of the building and no more than 50 m					PERMIT
PA4	<p>Dimensions of accessible parking spaces:</p> <p>2500 x 6000 mm for angled parking, 2600 x 6000 mm for parking along the sidewalk</p>					PERMIT
PA5	With lateral access aisle $\geq$ 1200 mm					PERMIT
PA6	Signs mounted at 2200 mm with international symbol					ACCOMPLISH
PA7	Marked with international symbols					ACCOMPLISH
PA8	Curb cut with maximum 8% slope					ACCOMPLISH
RS	Reserved Seating Spaces	YES	N/A	NON	Comments	Audit Phase
RS1	Number of reserved seats: one reserved wheelchair space for every 50 seats or fraction thereof and beyond 500 seats, one more every 100 seats of fraction thereof , as on general checklist GAU					ACCOMPLISH
HE	Hearing Enhancement	YES	N/A	NON	Comments	Audit Phase

	induction loop, FM, infrared (through expert advice)	YES	N/A	NON	Comments	Audit Phase
HE1	Hearing enhancement system is provided in the service counters and assembly areas					ACCOMPLISH
HE2	Hearing enhancement system is provided in the meeting rooms serving more than 25 person					ACCOMPLISH
HE3	Hearing enhancement system provided in the auditoriums and theaters					ACCOMPLISH
HE4	Posted sign to indicate that the enhancement system is available					ACCOMPLISH
HE5	Compatible with language translation system					ACCOMPLISH
HE6	International symbol of access for hearing loss is provided, when the system is provided for persons with hearing impairment					ACCOMPLISH
HE7	Induction loop provided when acoustic information is provided					ACCOMPLISH

MD	Museums Design aspects	YES	N/A	NON	Comments	Audit Phase
MD1	Sensorial elements used to assist visitors to preceive the informations through different sences , like lights, smells,soundes, colours and others.					ACCOMPLISH
MD2	Audio guides provided to explain, guide and assist the visitors					ACCOMPLISH
MD3	Displays are visible at amaximim height of 1 m					ACCOMPLISH
MD4	Signage of at least 14 pt and well illuminated					ACCOMPLISH

# New Museums

Entrance      Path      Level Changes  
Stairs, Ramp,  
Elevators      Sanitary  
Provisions      Furniture      Parking & drop  
off point      Reserved Seating  
spaces      Hearing Enhancement

> 1000 m2	UA*	UA	UA	FT/F	UA	UA	UA	UA
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UA	Universally Accessible
UA*	When the building is built in a floodable zone the entrances of the building can have a change in level from the exterior floor level. In this exceptional case the entrances solutions may be permitted.
FT/F	Additional to the Universal Accessible toilets a Family toilet and a feeding room are requested

CODE	CRITERIA	EVALUATION			COMMENTS	AUDIT PHASE
		YES	N/A	NON		
E	Entrance					
E1	Gradients of entrances ≤ 5%					PERMIT
E2	When several paths, both accessible and inaccessible marked					ACCOMPLISH
E3	If accessible door not the main door, it is marked with directional sign					ACCOMPLISH
E4	Identification number and exact address for each entrance					OPERATION
E5	In public use buildings, reception desk near the entrance					ACCOMPLISH
E6	Dimensions doors ≥ 900mm width x 2100mm height					PERMIT
E7	Automatic door					ACCOMPLISH
E8	3 seconds or more to move from closed to fully open position - Remain fully open for a minimum 5 seconds - Force not more than 66N					ACCOMPLISH
E9	Doormats levelled with ± 2mm					ACCOMPLISH
E10	Access controls barriers with at least one barrier with width ≥ 900mm if provided					OPERATION
EGT	Guiding tactile pavements					

EGT1	Guiding tactile pavement from building entrance to information desk or reception in administration buildings,					PERMIT
EGT2	Guiding tactile pavement width $\geq$ 400mm					ACCOMPLISH
EGT3	Guiding tactile strips width = 40mm at bottom and 30mm at top, and protruding 4mm					
EGT4	Non glare on shiny or slippery					ACCOMPLISH
ER	<b>Counters and reception areas</b>					
ER1	Reception areas with seating places and interaction spaces					OPERATION
ER2	Front desks with accessible interaction space					OPERATION
ER3	Low counter height between 750-790mm & high counter height between 950-1250mm					OPERATION
ER4	Under the desk a space of 680 mm height and 480 mm deep					OPERATION
ER5	When required, hearing enhancement systems using induction loop, infrared and radio frequency are provided					OPERATION
ER6	With international symbol if access for hearing loss					OPERATION
<b>P</b>	<b>Path</b>	YES	N/A	NON	Comments	Audit Phase
PE	<b>Accessible path of travel - External</b>					
PE1	1800 mm wide without obstacle, from the parking to the entrance, segregated from traffic circulation					PERMIT
PE2	Linear and continued					PERMIT
PE3	Intersections clearly visible with signs or lights					ACCOMPLISH
PE4	Gradient $\leq$ 5%					ACCOMPLISH
PE5	Clear headroom $\geq$ 2200mm					PERMIT
PE6	Absence of uneven surfaces - irregularities $\leq$ 5 mm					OPERATION

PE7	<b>Absence of protruding objects:</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
PE8	Furniture comply detection cone rule					OPERATION
PE9	Illumination level $\geq 10$ lux					ACCOMPLISH
PE10	No drain grids on accessible crossings ( outside the intersection)					ACCOMPLISH
PE11	Free of obstacles and located between the building's façade and the furniture zone					ACCOMPLISH
PE12	Parking entrance do not modify the slope or width of the accessible path					ACCOMPLISH
PE13	Curb height between 100 mm and 150 mm					ACCOMPLISH
PE14	Cross slope gradient $\leq 2\%$					ACCOMPLISH
PE15	Pedestrian bridges with ramps or elevators if provided					PERMIT
PF	<b>Floor Surface</b>					
PF1	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ dry areas indoor - (PTV) Between 15 and 35					ACCOMPLISH
PF2	Slip resistance (PTV) comply: Inclined $> 5\%$ dry areas indoor, (PTV) $\geq 35$					ACCOMPLISH
PF3	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ wet areas and outdoor - (PTV) Between 35 and 45					ACCOMPLISH
PF4	Slip resistance (PTV) comply: Inclined $> 5\%$ wet areas and outdoor,(PTV) $\geq 45$					ACCOMPLISH
PF5	Slip resistance (PTV) comply: Street pavement, swimming pools and showers, (PTV) $\geq 45$					ACCOMPLISH

PF6	Ground pavement without loose elements					OPERATION
PF7	Rugs and carpets are firmly fixed and do not increase the strength required to roll over a ceramic pavement by $\geq 25\%$					OPERATION
PF8	Without rounded edges and excessive joints					ACCOMPLISH
PF9	Not producing glare					ACCOMPLISH
PF10	With reflectance contrast of at least 30 points LRV between accessible pavement (surrounding surface or 300mm pavement strip)					ACCOMPLISH
PF11	Lighting in floor (Flooring Light) not produces glare and excessive heat					ACCOMPLISH
PF12	Absence of utility covers (manhole covers) on the path or with height less of 5 mm					ACCOMPLISH
PF13	Absence of drain grids on the path or with holes smaller than 5 mm					ACCOMPLISH
PF14	Change of pavement level $\leq 15\text{mm}$ , with $\leq 25\%$ gradient slope (chamfered)					ACCOMPLISH
PF15	Longitudinal grate openings with perpendicular orientation to the pedestrians' direction of travel					ACCOMPLISH
PF16	For distance between tree basin edge and the façade $\leq 2000$ mm, tree grate with walkable surface					ACCOMPLISH
PI	<b>Internal corridors</b>					
PI1	Width $\geq 1000$ mm					PERMIT
PI2	In direction changes a Maneuvering space of 1200 mm					PERMIT
PI3	Tactile warning surface in any change of level					PERMIT
PI4	Illumination $\geq 60$ lux					ACCOMPLISH
PI5	Clear headroom $\geq 2200\text{mm}$					PERMIT

PI6	<b>Absence of protruding objects</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
<b>LC</b>	<b>Level Changes</b>	YES	N/A	NON	Comments	Audit Phase
<b>LCG</b>	<b>Guardrails</b>					
LCG1	Absence of unprotected level changes - guardrails for heights $\geq$ 500mm					PERMIT
LC22	Height $\geq$ 1100mm					ACCOMPLISH
LCG3	With sufficient strength and stiffness to withstand horizontally uniformly distributed force of 3 kN/m					ACCOMPLISH
LCG4	Can not be climbable					ACCOMPLISH
LCG5	Width of Horizontal and Vertical openings $\leq$ 100mm					ACCOMPLISH
LCG6	1- Availability of continuous base on the entire open side length 2- Continuous base $\geq$ 100mm high from the floor surface for ramps & stairs					PERMIT
<b>LCWT</b>	<b>Warning tactile surface</b>					
LCWT1	Available in the beginning and end of every level change including ramps and stair landings , or any dangerous element					ACCOMPLISH
LCWT2	Installed along the entire width of the element					ACCOMPLISH
LCWT3	The width $\geq$ 300mm					ACCOMPLISH

LCWT4	Located at 300mm away from the edge of the ramp or stair flight or any dangerous element					ACCOMPLISH
LCWT5	Warning tactile truncated cones diameter = 30mm at bottom and 20mm at top, and protruding 4mm					ACCOMPLISH
LCWT6	Non glare on shiny or slippery					ACCOMPLISH
LCR	<b>Ramps</b>					
LCR1	Ramps used only when gradient of level >5%					PERMIT
LCR2	Slope is $\leq 8\%$ or 1:12					PERMIT
LCR3	Cross fall gradient $\leq 2\%$					ACCOMPLISH
LCR4	Run length $\leq 10$ meters					PERMIT
LCR5	Run width = 1000 mm between handrails					PERMIT
LCR6	No curved ramps					PERMIT
LCR7	Landings at the beginning and end of every run -surface 1500 mm x 1500 mm					PERMIT
LCR8	Level landings or $\leq 2\%$					ACCOMPLISH
LCR9	Corridors in landings width $\geq 1200$ mm width					PERMIT
LCR10	No door located at $\leq 1500$ mm from start and or end of each ramps					PERMIT
LCS	<b>Stairs</b>					
LCS1	Availability of alternative elevator accompanied with internal staircase in more than one story building					PERMIT
LCS2	Steps rises between 150 - 175 mm					PERMIT
LCS3	Steps stair treads between 300 - 340 mm					PERMIT
LCS4	Steps rise (R) and Tread (T) fulfil: $600 \text{ mm} < 2R + T < 650 \text{ mm}$					PERMIT
LCS5	No curved stairs					PERMIT

LCS6	No open risers or discontinued treads					PERMIT
LCS7	Steps with nosing $\leq 25$ mm					ACCOMPLISH
LCS8	30 mm from the step edge space along the stair flight width shall present a reflectance contrast of 30 LRV					ACCOMPLISH
LCS9	Steps with same height with a $\pm 4$ mm tolerance					ACCOMPLISH
LCS10	Stair flights steps number between 3 and 12					PERMIT
LCS11	Usable stair flight width $\geq 1200$ mm					PERMIT
LCS12	Illumination at top and bottom of the flight $\geq 200$ lux					ACCOMPLISH
LCS13	Landing with same width of stair and a length $\geq 1200$ mm					PERMIT
LCS14	Empty space with height $< 2200$ mm under the stair is protected					ACCOMPLISH
LCH	<b>Handrail for Ramps &amp; Stairs &gt; 500mm high</b>					
LCH1	300 mm horizontal extension at its ends					ACCOMPLISH
LCH2	Presence of intermediate handrail for stairs larger than 2100 mm					PERMIT
LCH3	Mounted at Height of 900 mm					ACCOMPLISH
LCH4	Additional handrail at a height between 650 - 750 mm					ACCOMPLISH
LCH5	The distance between both sides of handrails is 1000mm					PERMIT
LCH6	Rounded section of 30 - 40 mm separated from the wall with a distance $\geq 40$ mm					ACCOMPLISH
LCH7	Handrails designed to allow continuity of gripping without interfering its mounting system					ACCOMPLISH
LCH8	Contrast of 30 LRV against its background					ACCOMPLISH
LCH9	Handrails made of comfortable materials against heat and coldness					ACCOMPLISH

LCE	elevators					
LCE1	Present in buildings with more than one floor					PERMIT
LCE2	Accessible from ground floor in public areas					PERMIT
LCE3	Dimensions shall comply: One door $\geq 1200 \times 1500$ mm Two opposing doors $\geq 1200 \times 1500$ mm Two doors in $90^\circ \geq 1500 \times 1500$ mm					PERMIT
LCE4	Automatic doors with a width of 900 mm and colour contrast against walls					ACCOMPLISH
LCE5	Maneuvering space of $1500 \times 1500$ mm in front the elevator access					ACCOMPLISH
LCE6	Elevator calling buttons height between 900 - 1200 mm					ACCOMPLISH
LCE7	Floor indicator located at 1830mm					ACCOMPLISH
LCE8	Only one mirror inside the cabin on the wall opposite to the door over the handrail level					ACCOMPLISH
LCE9	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCE10	Inside the cabin, buttons height between 900 - 1200 mm with Braille					ACCOMPLISH
LCE11	The ground floor button protruded $\geq 3$ mm distinguished with a green color					ACCOMPLISH
LCE12	Call buttons distinguished with icons and color contrast against background					ACCOMPLISH

LCE13	Buttons provide two-channel feedback/ visual & acoustic OR visual & tactile					ACCOMPLISH
LCE14	Emergency phone number is indicated by graphic and tactile					ACCOMPLISH
LCE15	CCTV or intercom or alternative system					ACCOMPLISH
LCE16	Light on the ceiling only with 100 lux					ACCOMPLISH
LCE17	In panoramic elevators, an opaque wall or corner is provided					ACCOMPLISH
LCE17	Automatic doors open at least 3 seconds					ACCOMPLISH
LCE18	Doors provided with sensors at two levels open automatically					ACCOMPLISH
LCE19	Door force less than 135N					ACCOMPLISH
LCE20	Indication sign of accessible elevator direction when various options of vertical circulation					OPERATION
LCE21	Braille & tactile signage on the door jamb at 1500mm height					ACCOMPLISH
LCE22	Audible signal or voice announcement when reaching each floor					ACCOMPLISH
LCE23	Advisory signs indicating safety procedures and other regulatory information					OPERATION
LCL	<b>Lift Platforms, if provided</b>					
LCL1	Dimensions of the cabin on min. 900 x 1500 mm					PERMIT
LCL2	Maneuvering space of 1500 x 1500 mm in front the lift access					PERMIT
LCL3	Calling button height between 700 - 1200 mm					ACCOMPLISH
LCL4	Doors width of 900 mm					PERMIT

LCL5	Cabin with side protections to isolate users from side walls					ACCOMPLISH
LCL6	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCL7	Inside the cabin, continuous pressing buttons operable with the elbow					ACCOMPLISH
LCL8	Additional external control by authorized person					OPERATION
LCL9	2000mm travel height if open cabin 4000mm height if full cabin					PERMIT
LCEs	<b>Escalators, Travellators &amp; Mechanical Ramps</b>					
LCEs1	Moving surface gradient $\leq 5\%$					PERMIT
LCEs2	Contrast pavement with surrounding at the beginning and end of travellator					ACCOMPLISH
LCEs3	Marked travel direction					ACCOMPLISH
LCEs4	Audio system indicating start and end					ACCOMPLISH
<b>SP</b>	<b>Sanitary Provisions</b>	YES	N/A	NON	Comments	Audit Phase
<b>SPpt</b>	<b>Public Toilets</b>					
SPpt1	Public toilets for male and female provided					PERMIT
SPpt2	Public toilet within 150 m distance					PERMIT
SPpt3	Furniture have a reflectance contrast of at least 30 points LRV					OPERATION
SPpt4	Toilet appliances height between 900 - 1200 mm					ACCOMPLISH

SPpt5	Toilet appliances automatically activated or operable with the elbow					ACCOMPLISH
SPpt6	Door clear width 900mm and comply door requirements					PERMIT
SPpt7	Door latches operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPpt8	Coat hanger on the door from inside the accessible cabin between 1100 - 1400 mm					ACCOMPLISH
SPpt9	If 2 or more urinals, 1 with usable height at 300 mm and with grab bars at height of 700 - 1200mm					ACCOMPLISH
SPpt10	Flushing systems are operated by pressing or with a flush handle with large surface and operable with one hand or elbow, toilets and urinals					ACCOMPLISH
SPpt11	Distance between the urinal grab bars is 500 mm					ACCOMPLISH
SPpt12	Urinal Grab bars mounted between 700mm from bottom up to 1200mm height					ACCOMPLISH
SPpt13	In each toilet block a baby changing board is provided					PERMIT
SPpt14	Non slippery floor surface with Pendulum Test Value (PTV) $\geq$ 45					ACCOMPLISH
SPpt15	With wash basins in a row, 1 is accessible					ACCOMPLISH
SPpt16	Accessible wash basin clearance from ground surface space $\geq$ 700 mm high and $\geq$ 250 mm deep					ACCOMPLISH
SPpt17	Usable wash basin surface top height between 800 - 850 mm					ACCOMPLISH

SPpt18	Faucets (water tap) operated by pressing button or a lever handle or with a sensor ( Not turning valve)					ACCOMPLISH
SPpt19	Distance to the faucet ( water tap) shall be less than 600 mm and vertical between 900 mm and 1200 mm.					ACCOMPLISH
SPpt20	Lower edge of mirror ≤ 900 mm height					ACCOMPLISH
SPpt21	Controls and accessories height (soap dispenser, dryer) mounted at height 700 - 1200mm					ACCOMPLISH
SPpt22	Advisory signs indicating safety procedures and other regulatory information					OPERATION
SPat	<b>Accessible toilet</b>					
SPat1	One accessible toilet for each gender in every floor or 1 independent accessible toilet for both genders					PERMIT
SPat2	One accessible toilet within a 150 m distance from any part of the building					PERMIT
SPat3	Corridors width in toilets, showers, lockers spaces of 1200 mm					PERMIT
SPat4	Maneuvering turning space diameter of 1500 mm in circulations					PERMIT
SPat5	Maneuvering space diameter of 1500 mm inside the toilet					PERMIT
SPat6	Maneuvering space height between 0 to 700mm free of obstacles					ACCOMPLISH
SPat7	Lateral interaction space on both sides of the toilet or on one side if symmetrical units					ACCOMPLISH
SPat8	Lateral interaction space size 865mm x 1420mm					ACCOMPLISH

SPat9	Door open outwards or is sliding					PERMIT
SPat10	Door with horizontal 300 mm grab bar placed between 900 - 1000 mm height at 300 mm from the hinge side					ACCOMPLISH
SPat11	Latch operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPat12	Coat hanger between 1100 - 1200 mm					ACCOMPLISH
<b>SPgb</b>	<b>Grab bars in accessible toilets</b>					
SPgb1	The space between grab bars and the wall $\geq$ 45mm					ACCOMPLISH
SPgb2	Withstand a force of 1 kN in any direction					ACCOMPLISH
SPgb3	Circular diameter between 30 - 40 mm					ACCOMPLISH
SPgb4	Horizontal bars height between 700 - 750 mm. Support length of 700 mm					ACCOMPLISH
SPgb5	Bars mounted in the transfer space must be foldable					ACCOMPLISH
SPgb6	With two transfer areas, distance between both grab bars 670 mm and 700 mm					ACCOMPLISH
SPgb7	With one transfer area, horizontal bars mounted in wall 300 mm from the sanitary edge with 700mm length and mounted 700 - 750mm					ACCOMPLISH
SPgb8	600mm vertical bar mounted 700 - 750mm from ground away 700mm from the wall					ACCOMPLISH
SPgb9	Toilet height between 450 - 500 mm					ACCOMPLISH
<b>SPsh</b>	<b>Showers, if provided</b>					
SPsh1	Shower floor surface at same floor level with surrounding area					ACCOMPLISH

SPsh2	Drain water slope $\leq$ 4%					ACCOMPLISH
SPsh3	Dimensions of showers area at least 865 x 1200 mm and a seat of at least 400 x 400 mm					PERMIT
SPsh4	Seat located at a height between 450 - 500 mm and separated from the wall between 150 - 200 mm					ACCOMPLISH
SPsh5	Horizontal bar length 800 mm mounted 700 - 750 mm from the ground					ACCOMPLISH
SPsh6	Two Vertical bars length of 800 mm in the lateral wall of the shower seat mounted 800 mm from the floor level					ACCOMPLISH
SPsh7	Distance between vertical bars between 670 - 700 mm					ACCOMPLISH
SPsh8	Controls within 500mm away from the shower seat					ACCOMPLISH
SPft1	<b>family toilet</b>					
SPft1	One family toilet within 300 m distance from any part of the building					PERMIT
SPff	<b>Full family toilet</b>					
SPff1	With a folding adult changing board, at height of 500mm from the floor					ACCOMPLISH
SPff2	Additional children wash basin at a height of 500mm					ACCOMPLISH
SPff3	Maneuvering turning space of at least 2000mm diameter					ACCOMPLISH
SPff4	With a urinal with usable height of 400mm					ACCOMPLISH

SPff5	With emergency call button or rope					ACCOMPLISH
<b>Spfe</b>	<b>Feeding Rooms</b>					
SPfe1	One feeding room within 300 m distance					ACCOMPLISH
SPfe2	Surface: ≥ 7sq. Meters for individual ≥ 10sq. Meters for dual					ACCOMPLISH
SPfe3	With ventilation system					ACCOMPLISH
SPfe4	Furniture with reflectance contrast with the walls of ≥ 30 points LRV					ACCOMPLISH
<b>Spab</b>	<b>Ablution areas, if provided</b>					
SPab1	Electronic or sensor faucets					ACCOMPLISH
SPab2	One accessible ablution unit linked to an accessible path. The closest from the entrance					PERMIT
SPab3	Two horizontal bars mounted between 700 - 800 mm with the same length of wash basin					ACCOMPLISH
SPab4	All Accessories at a height between 700 - 1200 mm					ACCOMPLISH
SPab5	Provides bidet shower system, soap and paper					ACCOMPLISH
SPab6	Approaching free space of 1200 mm					ACCOMPLISH
SPab7	The approaching free space with contrast ≥ 30 points LRV					ACCOMPLISH
<b>FU</b>	<b>Furniture</b>	YES	N/A	NON	Comments	Audit Phase

FU1	Without sharp edges, protruding objects, burning surfaces. With contrasting colour. Made with non-toxic material, and noted if causing allergy					OPERATION
FUt	<b>Tables</b>					
FUt1	Height of the top $\leq$ 800 mm					OPERATION
FUt2	Clearance height under the table $\geq$ 680mm					OPERATION
FUt3	Clearance depth under the table $\geq$ 480mm					OPERATION
FUt4	Tables without integrated seats					OPERATION
FUc	<b>Chairs and Benches</b>					
FUc1	Seat height of 430 mm with a $\pm$ 30 mm tolerance					OPERATION
FUc2	Seat depth between 400 - 450 mm					OPERATION
FUc3	With backrest height between 400 - 460 mm					OPERATION
FUc4	Some seats with armrests					OPERATION
FUc5	At least in one side has lateral interaction spacem for wheelchair min 865 x 1420mm with international symbol					OPERATION
FUc6	Outdoor spaces - benches every 100 meters accompanied with shaded areas every 50 m In buildings - benches or seat types every 50 meters					OPERATION
FUd	<b>Drinking fountains, if provided</b>					
FUd1	Two fountains with different heights $\leq$ 915mm for the lower one with leg clearance					OPERATION

FUd2	Comfortable frontal and lateral approach					OPERATION
FUd3	If manual button, minimum height = 700mm for the lower one and maximum 1200mm for the higher one					OPERATION
FUd4	Water supply between 600 - 900mm height					OPERATION
FUd5	With bottle filler					OPERATION
FUd6	Clearly visible with contrasting background					OPERATION
<b>FUtb</b>	<b>Trash bins, if provided</b>					
FUtb1	Not located in the accessible path					OPERATION
FUtb2	Lateral space of interaction of at least 865 x 1420mm					OPERATION
FUtb3	Trash bin opening height $\leq$ 900 mm					OPERATION
FUtb4	Trash bins every 50 meters					OPERATION
FUtb5	When fixed to the walls protrude $\leq$ 250 mm					OPERATION
FUtb6	Operable with an elbow if opening mechanism is provided					OPERATION
FUtb7	Well contrasted signage					OPERATION
<b>FUv</b>	<b>Vending machines and ATM's, if provided</b>					
FUv1	One frontal or lateral interaction space 865 - 1420mm					OPERATION
FUv2	Floor surface is smooth, non-slippery with a gradient $\leq$ 2%					OPERATION

FUv3	Screen and keyboard are visible from a point located 1000 mm above the floor					OPERATION
FUv4	Screen and keyboard with no reflection or glare					OPERATION
FUv5	Control buttons height between 400 - 1200 mm and $\geq$ 600 mm from any corner					OPERATION
FUv6	Control buttons with high embossed text and Braille					OPERATION
FUv7	Card slot height between 800 - 1200 mm					OPERATION
FUv8	Visual and acoustic indication system and alarm system provided					OPERATION
FUv9	Audio information provided					OPERATION
FUv10	CCTV Intercom provided					OPERATION
FUv11	Slots are wide and have a funnel effect					OPERATION
FUb	<b>Bollards, planters, telephone booths and other furniture elements, if provided</b>					
FUb1	Outside the accessible path or do not reduce accessible path $\leq$ 1200mm					OPERATION
PA	<b>Parking and drop off point</b>	YES	N/A	NON	Comments	Audit Phase
PA1	Pick up & drop off area provided					PERMIT
	<b>Accessible parking places, access to parking lots</b>					
PA2	<p><b>Number of accessible parking lots, if parking facilities provided:</b></p> <p>1.3 % of the total number of parking spots.</p> <p>A partial parking to be considered as a full parking at the maximum number of 10 parkings</p> <p><b>If parking facilities not provided:</b></p> <p>2 bays in public areas close to the entrance</p>					PERMIT

PA3	Accessible spaces as close as possible to the entrance of the building and no more than 50 m					PERMIT
PA4	Dimensions of accessible parking spaces: 2500 x 6000 mm for angled parking, 2600 x 6000 mm for parking along the sidewalk					PERMIT
PA5	With lateral access aisle $\geq$ 1200 mm					PERMIT
PA6	Signs mounted at 2200 mm with international symbol					ACCOMPLISH
PA7	Marked with international symbols					ACCOMPLISH
PA8	Curb cut with maximum 8% slope					ACCOMPLISH
RS	<b>Reserved Seating Spaces</b>	YES	N/A	NON	Comments	Audit Phase
RS1	Number of reserved seats: one reserved wheelchair space for every 50 seats or fraction thereof and beyond 500 seats, one more every 100 seats of fraction thereof , as on general checklist GAU					ACCOMPLISH
HE	<b>Hearing Enhancement</b>	YES	N/A	NON	Comments	Audit Phase
	<b>induction loop, FM, infrared (through expert advice)</b>					
HE1	Hearing enhancement system is provided in the service countres and assembly areas					ACCOMPLISH
HE2	Hearing enhancement system is provided in the meeting rooms serving more than 25 person					ACCOMPLISH
HE3	Hearing enhancment system provided in the auditoriums and theaters					ACCOMPLISH
HE4	Posted sign to indicate that the enhancement system is available					ACCOMPLISH
HE5	Compatible with language translation system					ACCOMPLISH

HE6	International symbol of access for hearing loss is provided, when the system is provided for persons with hearing impairment					ACCOMPLISH
HE7	Innduction loop provided when acoustic iformation is provided					ACCOMPLISH

MD	Museums Design aspects	YES	N/A	NON	Comments	Audit Phase
MD1	Sensorial elements used to assist visitors to preceive the informations through different sences , like lights, smells,soundes, colours and others.					ACCOMPLISH
MD2	Audio guides provided to explain, guide and assist the visitors					ACCOMPLISH
MD3	Displays are visible at amaximim height of 1 m					ACCOMPLISH
MD4	Signage of at least 14 pt and well illuminated					ACCOMPLISH

# Building Department

## Research & Building Systems Section

### New Mosques and Religious

### Facilities Checklist



## New Masjids and Religious Buildings

Entrance	Path	Level Changes Stairs, Ramp, Elevators	Sanitary Provisions	Parking & drop off point	Hearing Enhancement
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<b>≤ 50 spots</b>	UA*	UA/P	UA	UA/P	UA	UA
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UA	Universally Accessible
UA/P	Only for small new and existing buildings: paths can be smaller respecting the Tolerance Limits and is permitted interaction space only in one side in the toilet. Only for retrofitting existing buildings: The building facility shall be Universally Accessible; however, if the Universal Accessibility level is technically or economically impossible exceptions can be accepted respecting the Tolerance Limits
UA*	When the building is built in a floodable zone the entrances of the building can have a change in level from the exterior floor level. In this exceptional case the entrances solutions may be permitted.

CODE	CRITERIA	EVALUATION			COMMENTS	AUDIT PHASE
		YES	N/A	NON		
E	Entrance					
E1	Gradients of entrances ≤ 5%					PERMIT
E2	When several paths, both accessible and inaccessible marked					ACCOMPLISH
E3	If accessible door not the main door, it is marked with directional sign					ACCOMPLISH
E4	Identification number and exact address for each entrance					OPERATION
E6	Dimensions of doors ≥ 900mm width x 2100mm height					PERMIT
E9	Doormats levelled with ± 2mm					ACCOMPLISH
E11	An accessible entrance is provided					PERMIT
E12	A clear area provided at the entrance to prevent shoes from blocking the accessible path					OPERATION
E13	Keep Clear mat in front of the entrance					OPERATION

E14	Seats provided at the entrance, Toilets, ablution areas and at other locations where people are required to remove their shoes					OPERATION
<b>P</b>	<b>Path</b>	YES	N/A	NON	Comments	Audit Phase
<b>PE</b>	<b>Accessible path of travel - External</b>					
PE1	More than 1800mm width accessible path connecting the public space with the building and the different rooms among them.					PERMIT
PE2	Linear and continued					PERMIT
PE3	Intersections clearly Visible with signs or lights					ACCOMPLISH
PE4	Gradient $\leq 5\%$					ACCOMPLISH
PE5	Clear headroom $\geq 2200\text{mm}$					PERMIT
PE6	Absence of uneven Surfaces - irregularities $\leq 5\text{ mm}$					OPERATION
PE7	<b>Absence of protruding objects:</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
PE8	Furniture comply detection cone rule					OPERATION
PE9	Illumination level $\geq 10\text{ lux}$					ACCOMPLISH
PE10	No drain grids on accessible crossings ( outside the intersection)					ACCOMPLISH
PE11	Free of obstacles and located between the building's façade and the furniture zone					ACCOMPLISH
PE12	Parking entrance do not modify the slope or width of the accessible path					ACCOMPLISH
PE13	Curb height between 100 mm and 150 mm					ACCOMPLISH
PE14	Cross slope gradient $\leq 2\%$					ACCOMPLISH
PE15	Pedestrian bridges with ramps or elevators if provided					PERMIT

PF	Floor Surface					
PF1	Slip resistance (PTV) comply: Level and inclined with ≤ 5% dry areas indoor - (PTV) Between 15 and 35					ACCOMPLISH
PF2	Slip resistance (PTV) comply: Inclined > 5% dry areas indoor, (PTV) ≥ 35					ACCOMPLISH
PF3	Slip resistance (PTV) comply: Level and inclined with ≤ 5% wet areas and outdoor - (PTV) Between 35 and 45					ACCOMPLISH
PF4	Slip resistance (PTV) comply: Inclined > 5% wet areas and outdoor,(PTV) ≥ 45					ACCOMPLISH
PF5	Slip resistance (PTV) comply: Street pavement, swimming pools and showers, (PTV) ≥ 45					ACCOMPLISH
PF6	Ground pavement without loose elements					OPERATION
PF7	Rugs and carpets are firmly fixed and do not increase the strength required to roll over a ceramic pavement by ≥ 25%					OPERATION
PF8	Without rounded edges and excessive joints					ACCOMPLISH
PF9	Not producing glare					ACCOMPLISH
PF10	With reflectance contrast of at least 30 points LRV between accessible pavement (surrounding surface or 300mm pavement strip)					ACCOMPLISH
PF11	Lighting in floor (Flooring Light) not produces glare and excessive heat					ACCOMPLISH
PF12	Absence of utility covers (manhole covers) on the path or with height less of 5 mm					ACCOMPLISH

PF13	Absence of drain grids on the path or with holes smaller than 5 mm					ACCOMPLISH
PF14	Change of pavement level $\leq 15$ mm, with $\leq 25\%$ gradient slope (chamfered)					ACCOMPLISH
PF15	Longitudinal grate openings with perpendicular orientation to the pedestrians' direction of travel					ACCOMPLISH
PF16	For distance between tree basin edge and the façade $\leq 2000$ mm, tree grate with walkable surface					ACCOMPLISH
PF17	Route of wheelchair allows the easy movement					ACCOMPLISH
PI	<b>Internal corridors</b>					
PI1	Width $\geq 1000$ mm					PERMIT
PI2	In direction changes a Maneuvering space of 1200 mm					PERMIT
PI3	Tactile warning surface in any change of level					PERMIT
PI4	Illumination $\geq 60$ lux					ACCOMPLISH
PI5	Clear headroom $\geq 2200$ mm					PERMIT
PI6	<b>Absence of protruding objects</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
LC	<b>Level Changes</b>	YES	N/A	NON	Comments	Audit Phase
LCG	<b>Guardrails</b>					
LCG1	Absence of unprotected level changes - guardrails for heights $\geq 500$ mm					PERMIT
LC22	Height $\geq 1100$ mm					ACCOMPLISH

LCG3	With sufficient strength and stiffness to withstand horizontally uniformly distributed force of 3 kN/m					ACCOMPLISH
LCG4	Can not be climbable					ACCOMPLISH
LCG5	Width of Horizontal and Vertical openings $\leq$ 100mm					ACCOMPLISH
LCG6	1- Availability of continuous base on the entire open side length 2- Continuous base $\geq$ 100mm high from the floor surface for ramps & stairs					PERMIT
LCWT	<b>Warning tactile surface</b>					
LCWT1	Available in the beginning and end of every level change including ramps and stair landings , or any dangerous element					ACCOMPLISH
LCWT2	Installed along the entire width of the element					ACCOMPLISH
LCWT3	The width $\geq$ 300mm					ACCOMPLISH
LCWT4	Located at 300mm away from the edge of the ramp or stair flight or any dangerous element					ACCOMPLISH
LCWT5	Warning tactile truncated cones diameter = 30mm at bottom and 20mm at top, and protruding 4mm					ACCOMPLISH
LCWT6	Non glare on shiny or slippery					ACCOMPLISH
LCR	<b>Ramps</b>					
LCR1	Ramps used only when gradient of level $>5\%$					PERMIT
LCR2	Slope is $\leq$ 8% or 1:12					PERMIT
LCR3	Cross fall gradient $\leq$ 2%					ACCOMPLISH
LCR4	Run length $\leq$ 10 meters					PERMIT

LCR5	Run width = 1000 mm between handrails					PERMIT
LCR6	No curved ramps					PERMIT
LCR7	Landings at the beginning and end of every run -surface 1500 mm x 1500 mm					PERMIT
LCR8	Level landings or $\leq 2\%$					ACCOMPLISH
LCR9	Corridors in landings width $\geq 1200$ mm width					PERMIT
LCR10	No door located at $\leq 1500$ mm from start and or end of each ramps					PERMIT
LCS	<b>Stairs</b>					
LCS1	Availability of alternative elevator accompanied with internal staircase in more than one story building					PERMIT
LCS2	Steps rises between 150 - 175 mm					PERMIT
LCS3	Steps stair treads between 300 - 340 mm					PERMIT
LCS4	Steps rise (R) and Tread (T) fulfil: $600 \text{ mm} < 2R + T < 650 \text{ mm}$					PERMIT
LCS5	No curved stairs					PERMIT
LCS6	No open risers or discontinued treads					PERMIT
LCS7	Steps with nosing $\leq 25$ mm					ACCOMPLISH
LCS8	30 mm from the step edge space along the stair flight width shall present a reflectance contrast of 30 LRV					ACCOMPLISH
LCS9	Steps with same height with a $\pm 4$ mm tolerance					ACCOMPLISH
LCS10	Stair flights steps number between 3 and 12					PERMIT
LCS11	Usable stair flight width $\geq 1200$ mm					PERMIT
LCS12	Illumination at top and bottom of the flight $\geq 200$ lux					ACCOMPLISH
LCS13	Landing with same width of stair and a length $\geq 1200$ mm					PERMIT

LCS14	Empty space with height < 2200 mm under the stair is protected					ACCOMPLISH
LCH	<b>Handrail for Ramps &amp; Stairs &gt; 500mm high</b>					
LCH1	300 mm horizontal extension at its ends					ACCOMPLISH
LCH2	Presence of intermediate handrail for stairs to keep distance of at most 2100 mm					PERMIT
LCH3	Mounted at Height of 900 mm					ACCOMPLISH
LCH4	Additional handrail at a height between 650 - 750 mm					ACCOMPLISH
LCH5	In ramps the distance between both sides of handrails is 1000mm					PERMIT
LCH6	Rounded section of 30 - 40 mm separated from the wall with a distance $\geq$ 40 mm					ACCOMPLISH
LCH7	Handrails designed to allow continuity of gripping without interfering its mounting system					ACCOMPLISH
LCH8	Contrast of 30 LRV against its background					ACCOMPLISH
LCH9	Handrails made of comfortable materials against heat and coldness					ACCOMPLISH
LCE	<b>elevators if provided</b>					
LCE1	Present in buildings with more than one floor					PERMIT
LCE2	Accessible from ground floor in public areas					PERMIT
LCE3	Dimensions shall comply: One door $\geq$ 1200 x 1500 mm Two opposing doors $\geq$ 1200 x 1500 mm Two doors in 90° $\geq$ 1500 x 1500 mm					PERMIT

LCE4	Automatic doors with a width of 900 mm and colour contrast against walls					ACCOMPLISH
LCE5	Maneuvering space of 1500 x 1500 mm in front the elevator access					ACCOMPLISH
LCE6	Elevator calling buttons height between 900 - 1200 mm					ACCOMPLISH
LCE7	Floor indicator located at 1830mm					ACCOMPLISH
LCE8	Only one mirror inside the cabin on the wall opposite to the door over the handrail level					ACCOMPLISH
LCE9	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCE10	Inside the cabin, buttons height between 900 - 1200 mm with Braille					ACCOMPLISH
LCE11	The ground floor button protruded $\geq 3$ mm distinguished with a green color					ACCOMPLISH
LCE12	Call buttons distinguished with icons and color contrast against background					ACCOMPLISH
LCE13	Buttons provide two-channel feedback/ visual & acoustic OR visual & tactile					ACCOMPLISH
LCE14	Emergency phone number is indicated by graphic and tactile					ACCOMPLISH
LCE15	CCTV or intercom or alternative system					ACCOMPLISH
LCE16	Light on the ceiling only with 100 lux					ACCOMPLISH
LCE17	In panoramic elevators, an opaque wall or corner is provided					ACCOMPLISH
LCE17	Automatic doors open at least 3 seconds					ACCOMPLISH

LCE18	Doors provided with sensors at two levels open automatically					ACCOMPLISH
LCE19	Door force less than 135N					ACCOMPLISH
LCE20	Indication sign of accessible elevator direction when various options of vertical circulation					OPERATION
LCE21	Braille & tactile signage on the door jamb at 1500mm height					ACCOMPLISH
LCE22	Audible signal or voice announcement when reaching each floor					ACCOMPLISH
LCE23	Advisory signs indicating safety procedures and other regulatory information					OPERATION
LCL	<b>Lift Platforms, if provided</b>					
LCL1	Dimensions of the cabin on min. 900 x 1500 mm					PERMIT
LCL2	Maneuvering space of 1500 x 1500 mm in front the lift access					PERMIT
LCL3	Calling button height between 700 - 1200 mm					ACCOMPLISH
LCL4	Doors width of 900 mm					PERMIT
LCL5	Cabin with side protections to isolate users from side walls					ACCOMPLISH
LCL6	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCL7	Inside the cabin, continuous pressing buttons operable with the elbow					ACCOMPLISH
LCL8	Additional external control by authorized person					OPERATION

LCL9	2000mm travel height if open cabin 4000mm height if full cabin					PERMIT
<b>SP</b>	<b>Sanitary Provisions</b>	YES	N/A	NON	Comments	Audit Phase
<b>SPpt</b>	<b>Public Toilets</b>					
SPpt1	Public toilets for male and female provided					PERMIT
SPpt3	Furniture have a reflectance contrast of at least 30 points LRV					OPERATION
SPpt4	Toilet appliances height between 900 - 1200 mm					ACCOMPLISH
SPpt5	Toilet appliances automatically activated or operable with the elbow					ACCOMPLISH
SPpt6	Door clear width 900mm and comply door requirements					PERMIT
SPpt7	Door latches operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPpt8	Coat hanger on the door from inside the accessible cabin between 1100 - 1400 mm					ACCOMPLISH
SPpt9	If 2 or more urinals, 1 with usable height at 300 mm and with grab bars at height of 700 - 1200mm					ACCOMPLISH
SPpt10	Flushing systems are operated by pressing or with a flush handle with large surface and operable with one hand or elbow, toilets and urinals					ACCOMPLISH
SPpt11	Distance between the urinal grab bars is 500 mm					ACCOMPLISH
SPpt12	Urinal Grab bars mounted between 700mm from bottom up to 1200mm height					ACCOMPLISH

SPpt13	In each toilet block a baby changing board is provided					PERMIT
SPpt14	Non slippery floor surface with Pendulum Test Value (PTV) $\geq$ 45					ACCOMPLISH
SPpt15	With wash basins in a row, 1 is accessible					ACCOMPLISH
SPpt16	Accessible wash basin clearance from ground surface space $\geq$ 700 mm high and $\geq$ 250 mm deep					ACCOMPLISH
SPpt17	Usable wash basin surface top height between 800 - 850 mm					ACCOMPLISH
SPpt18	Faucets (water tap) operated by pressing button or a lever handle or with a sensor ( Not turning valve)					ACCOMPLISH
SPpt19	Distance to the faucet ( water tap) shall be less than 600 mm and vertical between 900 mm and 1200 mm.					ACCOMPLISH
SPpt20	Lower edge of mirror $\leq$ 900 mm height					ACCOMPLISH
SPpt21	Controls and accessories height (soap dispenser, dryer) mounted at height 700 - 1200mm					ACCOMPLISH
SPpt22	Advisory signs indicating safety procedures and other regulatory information					OPERATION
SPat	<b>Accessible toilet</b>					
SPat1	One accessible toilet for each gender					PERMIT
SPat2	One accessible toilet within a 150 m distance from any part of the building					PERMIT
SPat3	Corridors width in toilets, showers, lockers spaces of 1200 mm					PERMIT

SPat4	Maneuvering turning space diameter of 1500 mm in circulations					PERMIT
SPat5	Maneuvering space diameter of 1500 mm inside the toilet					PERMIT
SPat6	Maneuvering space height between 0 to 700mm free of obstacles					ACCOMPLISH
SPat7	Lateral interaction space on both sides of the toilet or on one side if symmetrical units					ACCOMPLISH
SPat8	Lateral interaction space size 865mm x 1420mm					ACCOMPLISH
SPat9	Door open outwards or is sliding					PERMIT
SPat10	Door with horizontal 300 mm grab bar placed between 900 - 1000 mm height at 300 mm from the hinge side					ACCOMPLISH
SPat11	Latch operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPat12	Coat hanger between 1100 - 1200 mm					ACCOMPLISH
<b>SPgb</b>	<b>Grab bars in accessible toilets</b>					
SPgb1	The space between grab bars and the wall $\geq$ 45mm					ACCOMPLISH
SPgb2	Withstand a force of 1 kN in any direction					ACCOMPLISH
SPgb3	Circular diameter between 30 - 40 mm					ACCOMPLISH
SPgb4	Horizontal bars height between 700 - 750 mm. Support length of 700 mm					ACCOMPLISH
SPgb5	Bars mounted in the transfer space must be foldable					ACCOMPLISH
SPgb6	With two transfer areas, distance between both grab bars 670 mm and 700 mm					ACCOMPLISH

SPgb7	With one transfer area, horizontal bars mounted in wall 300 mm from the sanitary edge with 700mm length and mounted 700 - 750mm					ACCOMPLISH
SPgb8	600mm vertical bar mounted 700 - 750mm from ground away 700mm from the wall					ACCOMPLISH
SPgb9	Toilet height between 450 - 500 mm					ACCOMPLISH
<b>Spab</b>	<b>Ablution areas</b>					
SPab1	Electronic or sensor faucets					ACCOMPLISH
SPab2	One accessible ablution unit linked to an accessible path. The closest from the entrance					PERMIT
SPab3	Two horizontal bars mounted between 700 - 800 mm with the same length of wash basin					ACCOMPLISH
SPab4	All Accessories at a height between 700 - 1200 mm					ACCOMPLISH
SPab5	Provides bidet shower system, soap and paper					ACCOMPLISH
SPab6	Approaching free space of 1200 mm					ACCOMPLISH
SPab7	The approaching free space with contrast $\geq$ 30 points LRV					ACCOMPLISH
<b>PA</b>	<b>Parking and drop off point</b>	YES	N/A	NON	Comments	Audit Phase
PA1	Pick up & drop off area provided					PERMIT
	<b>Accessible parking places, access to parking lots</b>					
PA2	<b>Number of accessible parking lots, if parking facilities provided:</b> 1.3 % of the total number of parking spots. A partial parking to be considered as a full parking at the maximum number of 10 parkings					PERMIT

PA3	Accessible spaces as close as possible to the entrance of the building and no more than 50 m					PERMIT
PA4	Dimensions of accessible parking spaces: 2500 x 6000 mm for angled parking, 2600 x 6000 mm for parking along the sidewalk					PERMIT
PA5	With lateral access aisle $\geq$ 1200 mm					PERMIT
PA6	Signs mounted at 2200 mm with international symbol					ACCOMPLISH
PA7	Marked with international symbols					ACCOMPLISH
PA8	Curb cut with maximum 8% slope					ACCOMPLISH

HE	Hearing Enhancement	YES	N/A	NON	Comments	Audit Phase
	<b>induction loop, FM, infrared (through expert advice)</b>					
HE2	Hearing enhancement system is provided in the rooms serving more than 25 person (induction loop)					ACCOMPLISH
HE4	Posted sign to indicate that the enhancement system is available					ACCOMPLISH
HE5	Compatible with language translation system					ACCOMPLISH
HE6	International symbol of access for hearing loss is provided, when the system is provided for persons with hearing impairment					ACCOMPLISH

# New Masjids and Religious Buildings

Entrance      Path      Level Changes  
Stairs, Ramp,  
Elevators      Sanitary  
Provisions      Changing  
Room      Furniture      Parking & drop off  
point      Hearing Enhancement

> 50 spots

UA\*

UA

UA

UA

UA

UA

UA

UA

UA

Universally Accessible

UA\*

When the building is built in a floodable zone the entrances of the building can have a change in level from the exterior floor level. In this exceptional case the entrances solutions may be permitted.

CODE	CRITERIA	EVALUATION			COMMENTS	AUDIT PHASE
E	Entrance	YES	N/A	NON		
E1	Gradients of entrances ≤ 5%					PERMIT
E2	When several paths, both accessible and inaccessible marked					ACCOMPLISH
E3	If accessible door not the main door, it is marked with directional sign					ACCOMPLISH
E4	Identification number and exact address for each entrance					OPERATION
E6	Dimensions of the doors ≥ 900mm width x 2100mm height					PERMIT
E9	Doormats levelled with ± 2mm					ACCOMPLISH
E11	An accessible entrance is provided					PERMIT
E12	A clear area provided at the entrance to prevent shoes from blocking the accessible path					OPERATION
E13	Keep Clear mat in front of the entrance					OPERATION
E14	Seats provided at the entrance, Toilets, ablution areas and at other locations where people are required to remove their shoes					OPERATION

P	Path	YES	N/A	NON	Comments	Audit Phase
PE	<b>Accessible path of travel - External</b>					
PE1	More than 1800mm width accessible path connecting the public space with the building and the different rooms among them.					PERMIT
PE2	Linear and continued					PERMIT
PE3	Intersections clearly Visible with signs or lights					ACCOMPLISH
PE4	Gradient $\leq 5\%$					ACCOMPLISH
PE5	Clear headroom $\geq 2200\text{mm}$					PERMIT
PE6	Absence of uneven Surfaces - irregularities $\leq 5\text{ mm}$					OPERATION
PE7	<b>Absence of protruding objects:</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
PE8	Furniture comply detection cone rule					OPERATION
PE9	Illumination level $\geq 10\text{ lux}$					ACCOMPLISH
PE10	No drain grids on accessible crossings ( outside the intersection)					ACCOMPLISH
PE11	Free of obstacles and located between the building's façade and the furniture zone					ACCOMPLISH
PE12	Parking entrance do not modify the slope or width of the accessible path					ACCOMPLISH
PE13	Curb height between 100 mm and 150 mm					ACCOMPLISH
PE14	Cross slope gradient $\leq 2\%$					ACCOMPLISH
PE15	Pedestrian bridges with ramps or elevators if provided					PERMIT
PF	<b>Floor Surface</b>					

PF1	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ dry areas indoor - (PTV) Between 15 and 35					ACCOMPLISH
PF2	Slip resistance (PTV) comply: Inclined $> 5\%$ dry areas indoor, (PTV) $\geq 35$					ACCOMPLISH
PF3	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ wet areas and outdoor - (PTV) Between 35 and 45					ACCOMPLISH
PF4	Slip resistance (PTV) comply: Inclined $> 5\%$ wet areas and outdoor,(PTV) $\geq 45$					ACCOMPLISH
PF5	Slip resistance (PTV) comply: Street pavement, swimming pools and showers, (PTV) $\geq 45$					ACCOMPLISH
PF6	Ground pavement without loose elements					OPERATION
PF7	Rugs and carpets are firmly fixed and do not increase the strength required to roll over a ceramic pavement by $\geq 25\%$					OPERATION
PF8	Without rounded edges and excessive joints					ACCOMPLISH
PF9	Not producing glare					ACCOMPLISH
PF10	With reflectance contrast of at least 30 points LRV between accessible pavement (surrounding surface or 300mm pavement strip)					ACCOMPLISH
PF11	Lighting in floor (Flooring Light) not produces glare and excessive heat					ACCOMPLISH
PF12	Absence of utility covers (manhole covers) on the path or with height less of 5 mm					ACCOMPLISH
PF13	Absence of drain grids on the path or with holes smaller than 5 mm					ACCOMPLISH

PF14	Change of pavement level $\leq 15$ mm, with $\leq 25\%$ gradient slope (chamfered)					ACCOMPLISH
PF15	Longitudinal grate openings with perpendicular orientation to the pedestrians' direction of travel					ACCOMPLISH
PF16	For distance between tree basin edge and the façade $\leq 2000$ mm, tree grate with walkable surface					ACCOMPLISH
PF17	Route of wheelchair allows the easy movement					ACCOMPLISH
PI	<b>Internal corridors</b>					
PI1	Width $\geq 1000$ mm					PERMIT
PI2	In direction changes a Maneuvering space of 1200 mm					PERMIT
PI3	Tactile warning surface in any change of level					PERMIT
PI4	Illumination $\geq 60$ lux					ACCOMPLISH
PI5	Clear headroom $\geq 2200$ mm					PERMIT
PI6	<b>Absence of protruding objects</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
LC	<b>Level Changes</b>	YES	N/A	NON	Comments	Audit Phase
LCG	<b>Guardrails</b>					
LCG1	Absence of unprotected level changes - guardrails for heights $\geq 500$ mm					PERMIT
LC22	Height $\geq 1100$ mm					ACCOMPLISH
LCG3	With sufficient strength and stiffness to withstand horizontally uniformly distributed force of 3 kN/m					ACCOMPLISH

LCG4	Can not be climbable					ACCOMPLISH
LCG5	Width of Horizontal and Vertical openings $\leq$ 100mm					ACCOMPLISH
LCG6	1- Availability of continuous base on the entire open side length 2- Continuous base $\geq$ 100mm high from the floor surface for ramps & stairs					PERMIT
LCWT	<b>Warning tactile surface</b>					
LCWT1	Available in the beginning and end of every level change including ramps and stair landings , or any dangerous element					ACCOMPLISH
LCWT2	Installed along the entire width of the element					ACCOMPLISH
LCWT3	The width $\geq$ 300mm					ACCOMPLISH
LCWT4	Located at 300mm away from the edge of the ramp or stair flight or any dangerous element					ACCOMPLISH
LCWT5	Warning tactile truncated cones diameter = 30mm at bottom and 20mm at top, and protruding 4mm					ACCOMPLISH
LCWT6	Non glare on shiny or slippery					ACCOMPLISH
LCR	<b>Ramps</b>					
LCR1	Ramps used only when gradient of level $>5\%$					PERMIT
LCR2	Slope is $\leq$ 8% or 1:12					PERMIT
LCR3	Cross fall gradient $\leq$ 2%					ACCOMPLISH
LCR4	Run length $\leq$ 10 meters					PERMIT
LCR5	Run width = 1000 mm between handrails					PERMIT
LCR6	No curved ramps					PERMIT

LCR7	Landings at the beginning and end of every run -surface 1500 mm x 1500 mm					PERMIT
LCR8	Level landings or $\leq 2\%$					ACCOMPLISH
LCR9	Corridors in landings width $\geq 1200$ mm width					PERMIT
LCR10	No door located at $\leq 1500$ mm from start and or end of each ramps					PERMIT
LCS	<b>Stairs</b>					
LCS1	Availability of alternative elevator accompanied with internal staircase in more than one story building					PERMIT
LCS2	Steps rises between 150 - 175 mm					PERMIT
LCS3	Steps stair treads between 300 - 340 mm					PERMIT
LCS4	Steps rise (R) and Tread (T) fulfil: $600 \text{ mm} < 2R + T < 650 \text{ mm}$					PERMIT
LCS5	No curved stairs					PERMIT
LCS6	No open risers or discontinued treads					PERMIT
LCS7	Steps with nosing $\leq 25$ mm					ACCOMPLISH
LCS8	30 mm from the step edge space along the stair flight width shall present a reflectance contrast of 30 LRV					ACCOMPLISH
LCS9	Steps with same height with a $\pm 4$ mm tolerance					ACCOMPLISH
LCS10	Stair flights steps number between 3 and 12					PERMIT
LCS11	Usable stair flight width $\geq 1200$ mm					PERMIT
LCS12	Illumination at top and bottom of the flight $\geq 200$ lux					ACCOMPLISH
LCS13	Landing with same width of stair and a length $\geq 1200$ mm					PERMIT
LCS14	Empty space with height $< 2200$ mm under the stair is protected					ACCOMPLISH

LCH	Handrail for Ramps & Stairs > 500mm high					
LCH1	300 mm horizontal extension at its ends					ACCOMPLISH
LCH2	Presence of intermediate handrail for stairs to keep distance of at most 2100 mm					PERMIT
LCH3	Mounted at Height of 900 mm					ACCOMPLISH
LCH4	Additional handrail at a height between 650 - 750 mm					ACCOMPLISH
LCH5	In ramps the distance between both sides of handrails is 1000mm					PERMIT
LCH6	Rounded section of 30 - 40 mm separated from the wall with a distance $\geq$ 40 mm					ACCOMPLISH
LCH7	Handrails designed to allow continuity of gripping without interfering its mounting system					ACCOMPLISH
LCH8	Contrast of 30 LRV against its background					ACCOMPLISH
LCH9	Handrails made of comfortable materials against heat and coldness					ACCOMPLISH
LCE	elevators if provided					
LCE1	Present in buildings with more than one floor					PERMIT
LCE2	Accessible from ground floor in public areas					PERMIT
LCE3	Dimensions shall comply: One door $\geq$ 1200 x 1500 mm Two opposing doors $\geq$ 1200 x 1500 mm Two doors in 90° $\geq$ 1500 x 1500 mm					PERMIT
LCE4	Automatic doors with a width of 900 mm and colour contrast against walls					ACCOMPLISH
LCE5	Maneuvering space of 1500 x 1500 mm in front the elevator access					ACCOMPLISH

LCE6	Elevator calling buttons height between 900 - 1200 mm					ACCOMPLISH
LCE7	Floor indicator located at 1830mm					ACCOMPLISH
LCE8	Only one mirror inside the cabin on the wall opposite to the door over the handrail level					ACCOMPLISH
LCE9	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCE10	Inside the cabin, buttons height between 900 - 1200 mm with Braille					ACCOMPLISH
LCE11	The ground floor button protruded $\geq 3$ mm distinguished with a green color					ACCOMPLISH
LCE12	Call buttons distinguished with icons and color contrast against background					ACCOMPLISH
LCE13	Buttons provide two-channel feedback/ visual & acoustic OR visual & tactile					ACCOMPLISH
LCE14	Emergency phone number is indicated by graphic and tactile					ACCOMPLISH
LCE15	CCTV or intercom or alternative system					ACCOMPLISH
LCE16	Light on the ceiling only with 100 lux					ACCOMPLISH
LCE17	In panoramic elevators, an opaque wall or corner is provided					ACCOMPLISH
LCE17	Automatic doors open at least 3 seconds					ACCOMPLISH
LCE18	Doors provided with sensors at two levels open automatically					ACCOMPLISH
LCE19	Door force less than 135N					ACCOMPLISH

LCE20	Indication sign of accessible elevator direction when various options of vertical circulation					OPERATION
LCE21	Braille & tactile signage on the door jamb at 1500mm height					ACCOMPLISH
LCE22	Audible signal or voice announcement when reaching each floor					ACCOMPLISH
LCE23	Advisory signs indicating safety procedures and other regulatory information					OPERATION
LCL	<b>Lift Platforms, if provided</b>					
LCL1	Dimensions of the cabin on min. 900 x 1500 mm					PERMIT
LCL2	Maneuvering space of 1500 x 1500 mm in front the lift access					PERMIT
LCL3	Calling button height between 700 - 1200 mm					ACCOMPLISH
LCL4	Doors width of 900 mm					PERMIT
LCL5	Cabin with side protections to isolate users from side walls					ACCOMPLISH
LCL6	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCL7	Inside the cabin, continuous pressing buttons operable with the elbow					ACCOMPLISH
LCL8	Additional external control by authorized person					OPERATION
LCL9	2000mm travel height if open cabin 4000mm height if full cabin					PERMIT
SP	<b>Sanitary Provisions</b>	YES	N/A	NON	Comments	Audit Phase

SPpt	Public Toilets					
SPpt1	Public toilets for male and female provided					PERMIT
SPpt3	Furniture have a reflectance contrast of at least 30 points LRV					OPERATION
SPpt4	Toilet appliances height between 900 - 1200 mm					ACCOMPLISH
SPpt5	Toilet appliances automatically activated or operable with the elbow					ACCOMPLISH
SPpt6	Door clear width 900mm and comply door requirements					PERMIT
SPpt7	Door latches operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPpt8	Coat hanger on the door from inside the accessible cabin between 1100 - 1400 mm					ACCOMPLISH
SPpt9	If 2 or more urinals, 1 with usable height at 300 mm and with grab bars at height of 700 - 1200mm					ACCOMPLISH
SPpt10	Flushing systems are operated by pressing or with a flush handle with large surface and operable with one hand or elbow, toilets and urinals					ACCOMPLISH
SPpt11	Distance between the grab urinal bars is 500 mm					ACCOMPLISH
SPpt12	Urinal Grab bars mounted between 700mm from bottom up to 1200mm height					ACCOMPLISH
SPpt13	In each toilet block a baby changing board is provided					PERMIT
SPpt14	Non slippery floor surface with Pendulum Test Value (PTV) $\geq$ 45					ACCOMPLISH

SPpt15	With wash basins in a row, 1 is accessible					ACCOMPLISH
SPpt16	Accessible wash basin clearance from ground surface space $\geq$ 700 mm high and $\geq$ 250 mm deep					ACCOMPLISH
SPpt17	Usable wash basin surface top height between 800 - 850 mm					ACCOMPLISH
SPpt18	Faucets (water tap) operated by pressing button or a lever handle or with a sensor ( Not turning valve)					ACCOMPLISH
SPpt19	Distance to the faucet ( water tap) shall be less than 600 mm and vertical between 900 mm and 1200 mm.					ACCOMPLISH
SPpt20	Lower edge of mirror $\leq$ 900 mm height					ACCOMPLISH
SPpt21	Controls and accessories height (soap dispenser, dryer) mounted at height 700 - 1200mm					ACCOMPLISH
SPpt22	Advisory signs indicating safety procedures and other regulatory information					OPERATION
SPat	<b>Accessible toilet</b>					
SPat1	One accessible toilet for each gender					PERMIT
SPat2	One accessible toilet within a 150 m distance from any part of the building					PERMIT
SPat3	Corridors width in toilets, showers, lockers spaces of 1200 mm					PERMIT
SPat4	Maneuvering turning space diameter of 1500 mm in circulations					PERMIT
SPat5	Maneuvering space diameter of 1500 mm inside the toilet					PERMIT

SPat6	Maneuvering space height between 0 to 700mm free of obstacles					ACCOMPLISH
SPat7	Lateral interaction space on both sides of the toilet or on one side if symmetrical units					ACCOMPLISH
SPat8	Lateral interaction space size 865mm x 1420mm					ACCOMPLISH
SPat9	Door open outwards or is sliding					PERMIT
SPat10	Door with horizontal 300 mm grab bar placed between 900 - 1000 mm height at 300 mm from the hinge side					ACCOMPLISH
SPat11	Latch operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPat12	Coat hanger between 1100 - 1200 mm					ACCOMPLISH
SPgb	<b>Grab bars in accessible toilets</b>					
SPgb1	The space between grab bars and the wall $\geq$ 45mm					ACCOMPLISH
SPgb2	Withstand a force of 1 kN in any direction					ACCOMPLISH
SPgb3	Circular diameter between 30 - 40 mm					ACCOMPLISH
SPgb4	Horizontal bars height between 700 - 750 mm. Support length of 700 mm					ACCOMPLISH
SPgb5	Bars mounted in the transfer space must be foldable					ACCOMPLISH
SPgb6	With two transfer areas, distance between both grab bars 670 mm and 700 mm					ACCOMPLISH
SPgb7	With one transfer area, horizontal bars mounted in wall 300 mm from the sanitary edge with 700mm length and mounted 700 - 750mm					ACCOMPLISH

SPgb8	600mm vertical bar mounted 700 - 750mm from ground away 700mm from the wall					ACCOMPLISH
SPgb9	Toilet height between 450 - 500 mm					ACCOMPLISH
SPsh	<b>Showers, if provided</b>					
SPsh1	Shower floor surface at same floor level with surrounding area					ACCOMPLISH
SPsh2	Drain water slope $\leq$ 4%					ACCOMPLISH
SPsh3	Dimensions of showers area at least 865 x 1200 mm and a seat of at least 400 x 400 mm					PERMIT
SPsh4	Seat located at a height between 450 - 500 mm and separated from the wall between 150 - 200 mm					ACCOMPLISH
SPsh5	Horizontal bar length 800 mm mounted 700 - 750 mm from the ground					ACCOMPLISH
SPsh6	Two Vertical bars length of 800 mm in the lateral wall of the shower seat mounted 800 mm from the floor level					ACCOMPLISH
SPsh7	Distance between vertical bars between 670 - 700 mm					ACCOMPLISH
SPsh8	Controls within 500mm away from the shower seat					ACCOMPLISH
Spab	<b>Ablution areas</b>					
SPab1	Electronic or sensor faucets					ACCOMPLISH
SPab2	One accessible ablution unit linked to an accessible path. The closest from the entrance					PERMIT
SPab3	Two horizontal bars mounted between 700 - 800 mm with the same length of wash basin					ACCOMPLISH
SPab4	All Accessories at a height between 700 - 1200 mm					ACCOMPLISH

SPab5	Provides bidet shower system, soap and paper					ACCOMPLISH
SPab6	Approaching free space of 1200 mm					ACCOMPLISH
SPab7	The approaching free space with contrast $\geq$ 30 points LRV					ACCOMPLISH
<b>CHR</b>	<b>Changing rooms</b>	YES	N/A	NON	Comments	Audit Phase
	<b>Accessible dressing or changing rooms</b>					
CHR1	Corridors width $\geq$ 1000mm and direction changes with Maneuvering turning space of 1500mm					PERMIT
CHR2	Approaching space for lockers, benches and furniture 1420 x 865mm					PERMIT
CHR3	1 of 10 showers is accessible, if provided					PERMIT
CHR4	1 of 10 toilet is accessible, if provided					PERMIT
<b>FU</b>	<b>Furniture</b>	YES	N/A	NON	Comments	Audit Phase
FU1	Without sharp edges, protruding objects, burning surfaces. With contrasting colour. Made with non-toxic material, and noted if causing allergy					OPERATION
FUc	<b>Chairs and Benches</b>					
FUc1	Seat height of 430 mm with a $\pm$ 30 mm tolerance					OPERATION
FUc2	Seat depth between 400 - 450 mm					OPERATION
FUc3	With backrest height between 400 - 460 mm					OPERATION
FUc4	Some seats with armrests					OPERATION
FUc8	Seats provided in the prayer hall to accommodate people who cannot bend to pray					OPERATION
FUd	<b>Drinking fountains, if provided</b>					

FUd1	Two fountains with different heights $\leq 915$ mm for the lower one with leg clearance					OPERATION
FUd2	Comfortable frontal and lateral approach					OPERATION
FUd3	Comfortable frontal and lateral approach					OPERATION
FUd4	Water supply between 600 - 900mm height					OPERATION
FUd5	With bottle filler					OPERATION
FUd6	Clearly visible with contrasting background					OPERATION
FUtb	<b>Trash bins, if provided</b>					
FUtb1	Not located in the accessible path					OPERATION
FUtb2	Lateral space of interaction of at least 865 x 1420mm					OPERATION
FUtb3	Trash bin opening height $\leq 900$ mm					OPERATION
FUtb4	Trash bins every 50 meters					OPERATION
FUtb5	When fixed to the walls protrude $\leq 250$ mm					OPERATION
FUtb6	Operable with an elbow if opening mechanism is provided					OPERATION
FUtb7	Well contrasted signage					OPERATION
FUb	<b>Bollards, planters, telephone booths and other furniture elements, if provided</b>					
FUb1	Outside the accessible path or do not reduce accessible path $\leq 1200$ mm					OPERATION

PA	Parking and drop off point	YES	N/A	NON	Comments	Audit Phase
PA1	Pick up & drop off area provided					PERMIT
<b>Accessible parking places, access to parking lots</b>						
PA2	<p>Number of accessible parking lots, if parking facilities provided:</p> <p>1.3 % of the total number of parking spots.</p> <p>A partial parking to be considered as a full parking at the maximum number of 10 parkings</p>					PERMIT
PA3	Accessible spaces as close as possible to the entrance of the building and no more than 50 m					PERMIT
PA4	<p>Dimensions of accessible parking spaces:</p> <p>2500 x 6000 mm for angled parking,</p> <p>2600 x 6000 mm for parking along the sidewalk</p>					PERMIT
PA5	With lateral access aisle $\geq$ 1200 mm					PERMIT
PA6	Signs mounted at 2200 mm with international symbol					ACCOMPLISH
PA7	Marked with international symbols					ACCOMPLISH
PA8	Curb cut with maximum 8% slope					ACCOMPLISH
HE	Hearing Enhancement	YES	N/A	NON	Comments	Audit Phase
<b>induction loop, FM, infrared (through expert advice)</b>						
HE2	Hearing enhancement system is provided in the rooms serving more than 25 person					ACCOMPLISH
HE3	Hearing enhancement system provided in the auditoriums and theaters if provided					ACCOMPLISH
HE4	Posted sign to indicate that the enhancement system is available					ACCOMPLISH
HE5	Compatible with language translation system					ACCOMPLISH

HE6	International symbol of access for hearing loss is provided, when the system is provided for persons with hearing impairment					ACCOMPLISH
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# Building Department

## Research & Building Systems Section

### New Hospitals and Clinics Checklist



# New Hospitals & Clinics

Entrance      Path      Level Changes  
Stairs, Ramp,  
Elevators      Sanitary  
Provisions      Changing  
Room      Furniture      Parking & drop off  
point      Accessible Rooms

All

UA\*

UA

UA

UA

UA

UA

UA

UA

UA

Universally Accessible

UA\*

When the building is built in a floodable zone the entrances of the building can have a change in level from the exterior floor level. In this exceptional case the entrances solutions may be permitted.

CODE	CRITERIA	EVALUATION			COMMENTS	AUDIT PHASE
E	Entrance	YES	N/A	NON		
E1	Gradients of entrances ≤ 5%					PERMIT
E2	When several paths, both accessible and inaccessible marked					ACCOMPLISH
E3	If accessible door not the main door, it is marked with directional sign					ACCOMPLISH
E4	Identification number and exact address for each entrance					OPERATION
E5	In public use buildings, reception desk near the entrance					ACCOMPLISH
E6	Dimensions doors ≥ 900mm width x 2100mm height					PERMIT
E7	Automatic door					ACCOMPLISH
E8	3 seconds or more to move from closed to fully open position - Remain fully open for a minimum 5 seconds - Force not more than 66N					ACCOMPLISH
E9	Doormats levelled with ± 2mm					ACCOMPLISH
E10	Access controls barriers with at least one barrier with width ≥ 900mm if provided					OPERATION
EGT	Guiding tactile pavements					

EGT1	Guiding tactile pavement from building entrance to information desk or reception					PERMIT
EGT2	Guiding tactile pavement width $\geq$ 400mm					ACCOMPLISH
EGT3	Guiding tactile strips width = 40mm at bottom and 30mm at top, and protruding 4mm					
EGT4	Non glare or shiny or slippery					ACCOMPLISH
ER	<b>Counters and reception areas</b>					
ER1	Reception areas with seating places and interaction spaces					OPERATION
ER2	Front desks with accessible interaction space					OPERATION
ER3	Low counter height between 750-790mm & high counter height between 950-1250mm					OPERATION
ER4	Under the desk a space of 680 mm height and 480 mm deep					OPERATION
ER5	When required, hearing enhancement systems using induction loop, infrared and radio frequency are provided					OPERATION
ER6	With international symbol if access for hearing loss					OPERATION
<b>P</b>	<b>Path</b>	YES	N/A	NON	Comments	Audit Phase
PE	<b>Accessible path of travel - External</b>					
PE1	Enough Width - more than 1800mm / External					PERMIT
PE2	Linear and continued					PERMIT
PE3	Intersections clearly Visible with signs or lights					ACCOMPLISH
PE4	Gradient $\leq$ 5%					ACCOMPLISH
PE5	Clear headroom $\geq$ 2200mm					PERMIT
PE6	Absence of uneven Surfaces - irregularities $\leq$ 5 mm					OPERATION

PE7	<b>Absence of protruding objects:</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
PE8	Furniture comply detection cone rule					OPERATION
PE9	Illumination level $\geq 10$ lux					ACCOMPLISH
PE10	No drain grids on accessible crossings ( outside the intersection)					ACCOMPLISH
PE11	Free of obstacles and located between the building's façade and the furniture zone					ACCOMPLISH
PE12	Parking entrance do not modify the slope or width of the accessible path					ACCOMPLISH
PE13	Curb height between 100 mm and 150 mm					ACCOMPLISH
PE14	Cross slope gradient $\leq 2\%$					ACCOMPLISH
PE15	Pedestrian bridges with ramps or elevators if provided					PERMIT
PF	<b>Floor Surface</b>					
PF1	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ dry areas indoor - (PTV) Between 15 and 35					ACCOMPLISH
PF2	Slip resistance (PTV) comply: Inclined $> 5\%$ dry areas indoor, (PTV) $\geq 35$					ACCOMPLISH
PF3	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ wet areas and outdoor - (PTV) Between 35 and 45					ACCOMPLISH
PF4	Slip resistance (PTV) comply: Inclined $> 5\%$ wet areas and outdoor,(PTV) $\geq 45$					ACCOMPLISH
PF5	Slip resistance (PTV) comply: Street pavement, swimming pools and showers, (PTV) $\geq 45$					ACCOMPLISH

PF6	Ground pavement without loose elements					OPERATION
PF7	Rugs and carpets are firmly fixed and do not increase the strength required to roll over a ceramic pavement by $\geq 25\%$					OPERATION
PF8	Without rounded edges and excessive joints					ACCOMPLISH
PF9	Not producing glare					ACCOMPLISH
PF10	With reflectance contrast of at least 30 points LRV between accessible pavement (surrounding surface or 300mm pavement strip)					ACCOMPLISH
PF11	Lighting in floor (Flooring Light) not produces glare and excessive heat					ACCOMPLISH
PF12	Absence of utility covers (manhole covers) on the path or with height less of 5 mm					ACCOMPLISH
PF13	Absence of drain grids on the path or with holes smaller than 5 mm					ACCOMPLISH
PF14	Change of pavement level $\leq 15\text{mm}$ , with $\leq 25\%$ gradient slope (chamfered)					ACCOMPLISH
PF15	Longitudinal grate openings with perpendicular orientation to the pedestrians' direction of travel					ACCOMPLISH
PF16	For distance between tree basin edge and the façade $\leq 2000$ mm, tree grate with walkable surface					ACCOMPLISH
PI	<b>Internal corridors</b>					
PI1	Width $\geq 1000$ mm					PERMIT
PI2	In direction changes a maneuvering space of 1200 mm					PERMIT
PI3	Tactile warning surface in any change of level					PERMIT
PI4	Illumination $\geq 60$ lux					ACCOMPLISH
PI5	Clear headroom $\geq 2200\text{mm}$					PERMIT

PI6	<b>Absence of protruding objects</b> Objects protruding less than 100mm from façade Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm	1- 2-					OPERATION
<b>LC</b>	<b>Level Changes</b>		YES	N/A	NON	Comments	Audit Phase
<b>LCG</b>	<b>Guardrails</b>						
LCG1	Absence of unprotected level changes - guardrails for heights $\geq$ 500mm						PERMIT
LC22	Height $\geq$ 1100mm						ACCOMPLISH
LCG3	With sufficient strength and stiffness to withstand horizontally uniformly distributed force of 3 kN/m						ACCOMPLISH
LCG4	Can not be climbable						ACCOMPLISH
LCG5	Width of Horizontal and Vertical openings $\leq$ 100mm						ACCOMPLISH
LCG6	1- Availability of continuous base on the entire open side length 2- Continuous base $\geq$ 100mm high from the floor surface for ramps & stairs						PERMIT
<b>LCWT</b>	<b>Warning tactile surface</b>						
LCWT1	Available in the beginning and end of every level change including ramps and stair landings, or any dangerous element						ACCOMPLISH
LCWT2	Installed along the entire width of the element						ACCOMPLISH
LCWT3	The width $\geq$ 300mm						ACCOMPLISH

LCWT4	Located at 300mm away from the edge of the ramp or stair flight or any dangerous element					ACCOMPLISH
LCWT5	Warning tactile truncated cones diameter = 30mm at bottom and 20mm at top, and protruding 4mm					ACCOMPLISH
LCWT6	Non glare on shiny or slippery					ACCOMPLISH
LCR	<b>Ramps</b>					
LCR1	Ramps used only when gradient of level >5%					PERMIT
LCR2	Slope is $\leq 8\%$ or 1:12					PERMIT
LCR3	Cross fall gradient $\leq 2\%$					ACCOMPLISH
LCR4	Run length $\leq 10$ meters					PERMIT
LCR5	Run width = 1000 mm between handrails					PERMIT
LCR6	No curved ramps					PERMIT
LCR7	Landings at the beginning and end of every run -surface 1500 mm x 1500 mm					PERMIT
LCR8	Level landings or $\leq 2\%$					ACCOMPLISH
LCR9	Corridors in landings width $\geq 1200$ mm width					PERMIT
LCR10	No door located at $\leq 1500$ mm from start and or end of each ramps					PERMIT
LCS	<b>Stairs</b>					
LCS1	Availability of alternative elevator accompanied with internal staircase in more than one story building					PERMIT
LCS2	Steps rises between 150 - 175 mm					PERMIT
LCS3	Steps stair treads between 300 - 340 mm					PERMIT
LCS4	Steps rise (R) and Tread (T) fulfil: $600 \text{ mm} < 2R + T < 650 \text{ mm}$					PERMIT
LCS5	No curved stairs					PERMIT

LCS6	No open risers or discontinued treads					PERMIT
LCS7	Steps with nosing $\leq 25$ mm					ACCOMPLISH
LCS8	30 mm from the step edge space along the stair flight width shall present a reflectance contrast of 30 LRV					ACCOMPLISH
LCS9	Steps with same height with a $\pm 4$ mm tolerance					ACCOMPLISH
LCS10	Stair flights steps number between 3 and 12					PERMIT
LCS11	Usable stair flight width $\geq 1200$ mm					PERMIT
LCS12	Illumination at top and bottom of the flight $\geq 200$ lux					ACCOMPLISH
LCS13	Landing with same width of stair and a length $\geq 1200$ mm					PERMIT
LCS14	Empty space with height $< 2200$ mm under the stair is protected					ACCOMPLISH
LCH	<b>Handrail for Ramps &amp; Stairs &gt; 500mm high</b>					
LCH1	300 mm horizontal extension at its ends					ACCOMPLISH
LCH2	Presence of intermediate handrail for stairs to keep distance of at most 2100 mm					PERMIT
LCH3	Mounted at Height of 900 mm					ACCOMPLISH
LCH4	Additional handrail at a height between 650 - 750 mm					ACCOMPLISH
LCH5	In ramps the distance between both sides of handrails is 1000mm					PERMIT
LCH6	Rounded section of 30 - 40 mm separated from the wall with a distance $\geq 40$ mm					ACCOMPLISH
LCH7	Handrails designed to allow continuity of gripping without interfering its mounting system					ACCOMPLISH
LCH8	Contrast of 30 LRV against its background					ACCOMPLISH

LCH9	Handrails made of comfortable materials against heat and coldness					ACCOMPLISH
LCE	<b>elevators</b>					
LCE1	Present in buildings with more than one floor					PERMIT
LCE2	Accessible from ground floor in public areas					PERMIT
LCE3	Dimensions shall comply: One door $\geq 1200 \times 1500$ mm Two opposing doors $\geq 1200 \times 1500$ mm Two doors in $90^\circ \geq 1500 \times 1500$ mm					PERMIT
LCE4	Automatic doors with a width of 900 mm and colour contrast against walls					ACCOMPLISH
LCE5	maneuvering space of $1500 \times 1500$ mm in front the elevator access					ACCOMPLISH
LCE6	Elevator calling buttons height between 900 - 1200 mm					ACCOMPLISH
LCE7	Floor indicator located at 1830mm					ACCOMPLISH
LCE8	Only one mirror inside the cabin on the wall opposite to the door over the handrail level					ACCOMPLISH
LCE9	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCE10	Inside the cabin, buttons height between 900 - 1200 mm with Braille					ACCOMPLISH
LCE11	The ground floor button protruded $\geq 3$ mm distinguished with a green color					ACCOMPLISH

LCE12	Call buttons distinguished with icons and color contrast against background					ACCOMPLISH
LCE13	Buttons provide two-channel feedback/ visual & acoustic OR visual & tactile					ACCOMPLISH
LCE14	Emergency phone number is indicated by graphic and tactile					ACCOMPLISH
LCE15	CCTV or intercom or alternative system					ACCOMPLISH
LCE16	Light on the ceiling only with 100 lux					ACCOMPLISH
LCE17	In panoramic elevators, an opaque wall or corner is provided					ACCOMPLISH
LCE17	Automatic doors open at least 3 seconds					ACCOMPLISH
LCE18	Doors provided with sensors at two levels open automatically					ACCOMPLISH
LCE19	Door force less than 135N					ACCOMPLISH
LCE20	Indication sign of accessible elevator direction when various options of vertical circulation					OPERATION
LCE21	Braille & tactile signage on the door jamb at 1500mm height					ACCOMPLISH
LCE22	Audible signal or voice announcement when reaching each floor					ACCOMPLISH
LCE23	Advisory signs indicating safety procedures and other regulatory information					OPERATION
LCL	<b>Lift Platforms, if provided</b>					
LCL1	Dimensions of the cabin on min. 900 x 1500 mm					PERMIT
LCL2	maneuvering space of 1500 x 1500 mm in front the lift access					PERMIT

LCL3	Calling button height between 700 - 1200 mm					ACCOMPLISH
LCL4	Doors width of 900 mm					PERMIT
LCL5	Cabin with side protections to isolate users from side walls					ACCOMPLISH
LCL6	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCL7	Inside the cabin, continuous pressing buttons operable with the elbow					ACCOMPLISH
LCL8	Additional external control by authorized person					OPERATION
LCL9	2000mm travel height if open cabin height if full cabin	4000mm				PERMIT
LCEs	<b>Escalators, Travellators &amp; Mechanical Ramps</b>					
LCEs1	Moving surface gradient $\leq 5\%$					PERMIT
LCEs2	Contrast pavement with surrounding at the beginning and end of travellator					ACCOMPLISH
LCEs3	Marked travel direction					ACCOMPLISH
LCEs4	Audio system indicating start and end					ACCOMPLISH

SP	Sanitary Provisions	YES	N/A	NON	Comments	Audit Phase
SPpt	Public Toilets					
SPpt1	Public toilets for male and female provided					PERMIT
SPpt2	Public toilet within 150 m distance					PERMIT
SPpt3	Furniture have a reflectance contrast of at least 30 points LRV					OPERATION

SPpt4	Toilet appliances height between 900 - 1200 mm					ACCOMPLISH
SPpt5	Toilet appliances automatically activated or operable with the elbow					ACCOMPLISH
SPpt6	Door clear width 900mm and comply door requirements					PERMIT
SPpt7	Door latches operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPpt8	Coat hanger on the door from inside the accessible cabin between 1100 - 1400 mm					ACCOMPLISH
SPpt9	If 2 or more urinals, 1 with usable height at 300 mm and with grab bars at height of 700 - 1200mm					ACCOMPLISH
SPpt10	Flushing systems are operated by pressing or with a flush handle with large surface and operable with one hand or elbow, toilets and urinals					ACCOMPLISH
SPpt11	Distance between the urinal grab bars is 500 mm					ACCOMPLISH
SPpt12	Urinal Grab bars mounted between 700mm from bottom up to 1200mm height					ACCOMPLISH
SPpt13	In each toilet block a baby changing board is provided					PERMIT
SPpt14	Non slippery floor surface with Pendulum Test Value (PTV) $\geq$ 45					ACCOMPLISH
SPpt15	With wash basins in a row, 1 is accessible					ACCOMPLISH
SPpt16	Accessible wash basin clearance from ground surface space $\geq$ 700 mm high and $\geq$ 250 mm deep					ACCOMPLISH

SPpt17	Usable wash basin surface top height between 800 - 850 mm					ACCOMPLISH
SPpt18	Faucets (water tap) operated by pressing button or a lever handle or with a sensor ( Not turning valve)					ACCOMPLISH
SPpt19	Distance to the faucet ( water tap) shall be less than 600 mm and vertical between 900 mm and 1200 mm.					ACCOMPLISH
SPpt20	Lower edge of mirror $\leq$ 900 mm height					ACCOMPLISH
SPpt21	Controls and accessories height (soap dispenser, dryer) mounted at height 700 - 1200mm					ACCOMPLISH
SPpt22	Advisory signs indicating safety procedures and other regulatory information					OPERATION
SPat	<b>Accessible toilet</b>					
SPat1	One accessible toilet for each gender in every floor or 1 independent accessible toilet for both genders					PERMIT
SPat2	One accessible toilet within a 150 m distance from any part of the building					PERMIT
SPat3	Corridors width in toilets, showers, lockers spaces of 1200 mm					PERMIT
SPat4	maneuvering turning space diameter of 1500 mm in circulations					PERMIT
SPat5	maneuvering space diameter of 1500 mm inside the toilet					PERMIT
SPat6	maneuvering space height between 0 to 700mm free of obstacles					ACCOMPLISH

SPat7	Lateral interaction space on both sides of the toilet or on one side if symmetrical units					ACCOMPLISH
SPat8	Lateral interaction space size 865mm x 1420mm					ACCOMPLISH
SPat9	Door open outwards or is sliding					PERMIT
SPat10	Door with horizontal 300 mm grab bar placed between 900 - 1000 mm height at 300 mm from the hinge side					ACCOMPLISH
SPat11	Latch operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPat12	Coat hanger between 1100 - 1200 mm					ACCOMPLISH
SPgb	<b>Grab bars in accessible toilets</b>					
SPgb1	The space between grab bars and the wall $\geq$ 45mm					ACCOMPLISH
SPgb2	Withstand a force of 1 kN in any direction					ACCOMPLISH
SPgb3	Circular diameter between 30 - 40 mm					ACCOMPLISH
SPgb4	Horizontal bars height between 700 - 750 mm. Support length of 700 mm					ACCOMPLISH
SPgb5	Bars mounted in the transfer space must be foldable					ACCOMPLISH
SPgb6	With two transfer areas, distance between both grab bars 670 mm and 700 mm					ACCOMPLISH
SPgb7	With one transfer area, horizontal bars mounted in wall 300 mm from the sanitary edge with 700mm length and mounted 700 - 750mm					ACCOMPLISH

SPgb8	600mm vertical bar mounted 700 - 750mm from ground away 700mm from the wall					ACCOMPLISH
SPgb9	Toilet height between 450 - 500 mm					ACCOMPLISH
SPsh	<b>Showers, if provided</b>					
SPsh1	Shower floor surface at same floor level with surrounding area					ACCOMPLISH
SPsh2	Drain water slope $\leq$ 4%					ACCOMPLISH
SPsh3	Dimensions of showers area at least 865 x 1200 mm and a seat of at least 400 x 400 mm					PERMIT
SPsh4	Seat located at a height between 450 - 500 mm and separated from the wall between 150 - 200 mm					ACCOMPLISH
SPsh5	Horizontal bar length 800 mm mounted 700 - 750 mm from the ground					ACCOMPLISH
SPsh6	Two Vertical bars length of 800 mm in the lateral wall of the shower seat mounted 800 mm from the floor level					ACCOMPLISH
SPsh7	Distance between vertical bars between 670 - 700 mm					ACCOMPLISH
SPsh8	Controls within 500mm away from the shower seat					ACCOMPLISH
SPft1	<b>family toilet</b>					
SPft1	One family toilet within 300 m distance from any part of the building					PERMIT
Spab	<b>Ablution areas, if provided</b>					
SPab1	Electronic or sensor faucets					ACCOMPLISH

SPab2	One accessible ablution unit linked to an accessible path. The closest from the entrance					PERMIT
SPab3	Two horizontal bars mounted between 700 - 800 mm with the same length of wash basin					ACCOMPLISH
SPab4	All Accessories at a height between 700 - 1200 mm					ACCOMPLISH
SPab5	Provides bidet shower system, soap and paper					ACCOMPLISH
SPab6	Approaching free space of 1200 mm					ACCOMPLISH
SPab7	The approaching free space with contrast $\geq 30$ points LRV					ACCOMPLISH

CHR	Changing rooms	YES	N/A	NON	Comments	Audit Phase
	<b>Accessible dressing or changing rooms</b>					
CHR1	Corridors width $\geq 1000$ mm and direction changes with maneuvering turning space of 1500mm					PERMIT
CHR2	Approaching space for lockers, benches and furniture 1420 x 865mm					PERMIT
CHR3	1 of 10 showers is accessible, if provided					PERMIT
CHR4	1 of 10 toilet is accessible, if provided					PERMIT

FU	Furniture	YES	N/A	NON	Comments	Audit Phase
FU1	Without sharp edges, protruding objects, burning surfaces. With contrasting colour. Made with non-toxic material, and noted if causing allergy					OPERATION
FUt	<b>Tables</b>					
FUt1	Height of the top $\leq 800$ mm					OPERATION

FUt2	Clearance height under the table $\geq$ 680mm					OPERATION
FUt3	Clearance depth under the table $\geq$ 480mm					OPERATION
FUt4	Tables without integrated seats					OPERATION
FUc	<b>Chairs and Benches</b>					
FUc1	Seat height of 430 mm with a $\pm$ 30 mm tolerance					OPERATION
FUc2	Seat depth between 400 - 450 mm					OPERATION
FUc3	With backrest height between 400 - 460 mm					OPERATION
FUc4	Some seats with armrests					OPERATION
FUc5	At least in one side has lateral interaction spacem for wheelchair min 865 x 1420mm with international symbol					OPERATION
FUc6	Outdoor spaces - benches every 100 meters accompanied with shaded areas every 50 m In buildings - benches or seat types every 50 meters					OPERATION
FUd	<b>Drinking fountains, if provided</b>					
FUd1	Two fountains with different heights $\leq$ 915mm for the lower one with leg clearance					OPERATION
FUd2	Comfortable frontal and lateral approach					OPERATION
FUd3	If manual button, minimum height = 700mm for the lower one and maximum 1200mm for the higher one					OPERATION
FUd4	Water supply between 600 - 900mm height					OPERATION
FUd5	With bottle filler					OPERATION

FUd6	Clearly visible with contrasting background					OPERATION
FUtb	<b>Trash bins, if provided</b>					
FUtb1	Not located in the accessible path					OPERATION
FUtb2	Lateral space of interaction of at least 865 x 1420mm					OPERATION
FUtb3	Trash bin opening height $\leq$ 900 mm					OPERATION
FUtb4	Trash bins every 50 meters					OPERATION
FUtb5	When fixed to the walls protrude $\leq$ 250 mm					OPERATION
FUtb6	Operable with an elbow if opening mechanism is provided					OPERATION
FUtb7	Well contrasted signage					OPERATION
FUv	<b>Vending machines and ATM's, if provided</b>					
FUv1	One frontal or lateral interaction space 865 - 1420mm					OPERATION
FUv2	Floor surface is smooth, non-slippery with a gradient $\leq$ 2%					OPERATION
FUv3	Screen and keyboard are visible from a point located 1000 mm above the floor					OPERATION
FUv4	Screen and keyboard with no reflection or glare					OPERATION
FUv5	Control buttons height between 400 - 1200 mm and $\geq$ 600 mm from any corner					OPERATION

FUv6	Control buttons with high embossed text and Braille					OPERATION
FUv7	Card slot height between 800 - 1200 mm					OPERATION
FUv8	Visual and acoustic indication system and alarm system provided					OPERATION
FUv9	Audio information provided					OPERATION
FUv10	CCTV Intercom provided					OPERATION
FUv11	Slots are wide and have a funnel effect					OPERATION
FUb	<b>Bollards, planters, telephone booths and other furniture elements, if provided</b>					
FUb1	Outside the accessible path or do not reduce accessible path $\leq$ 1200mm					OPERATION

PA	Parking and drop off point	YES	N/A	NON	Comments	Audit Phase
PA1	Pick up & drop off area provided					PERMIT
<b>Accessible parking places, access to parking lots</b>						
PA2	Number of accessible parking lots, if parking facilities provided: 1.3 % of the total number of parking spots. A partial parking to be considered as a full parking at the maximum number of 10 parkings					PERMIT
PA3	Accessible spaces as close as possible to the entrance of the building and no more than 50 m					PERMIT
PA4	Dimensions of accessible parking spaces: 2500 x 6000 mm for angled parking, 2600 x 6000 mm for parking along the sidewalk					PERMIT
PA5	With lateral access aisle $\geq$ 1200 mm					PERMIT
PA6	Signs mounted at 2200 mm with international symbol					ACCOMPLISH
PA7	Marked with international symbols					ACCOMPLISH
PA8	Curb cut with maximum 8% slope					ACCOMPLISH

AR	Accessible Room	YES	N/A	NON	Comments	Audit Phase
ARh	<b>Rooms</b>					
ARh1	rooms are accessible with accessible toilet					PERMIT
ARh2	Half of the accessible hotel rooms with roll-in showers and other half bathtubs					PERMIT
ARh3	Toilet with alarm string					OPERATION
ARh4	Clear route & 1500 x 1500 mm free space beside the bed					OPERATION
ARh5	Illumination $\geq$ 200 lux					ACCOMPLISH
ARh6	Controls placed at height between 700 - 1200 mm					ACCOMPLISH
ARh7	Electronic outlets at height between 400 - 1000mm					OPERATION
ARh8	The bed height $\leq$ 500 mm					OPERATION
ARh9	Acoustic and visual fire alarm provided and audible door bell					OPERATION
ARh10	Dressing mirror provided with front space up to 2000mm					OPERATION
ARh11	Shelves and drawers are provided between 700 -1200mm from the floor and clothes hanger placed at height 1200mm					OPERATION
ARh12	Viewing device provided in the door at height 800 - 1000mm if provided					ACCOMPLISH
Ard	<b>Dining rooms</b>					
ARd1	Accessible path of travel provided to half of dining area (900mm minimum)					OPERATION
ARd2	Illumination $\geq$ 100 lux provided in at least 10% of dining rooms					ACCOMPLISH
ARd3	Sound reduction materials used in dining rooms, floors and walls made of washable materials					OPERATION
ARd4	10% of the tables shall comply with the dimensional criteria for tables					OPERATION
ARd5	The self service tables height located between 900 - 1200mm from the floor					OPERATION
ARd6	Minimum 900mm clear passage to all food service area					OPERATION

ARd7	Spaces for children strollers and mobility devices are provided, 10 seats are movable					OPERATION
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# Building Department

## Research & Building Systems Section

### New Educational Buildings

#### Checklist



# New Educational Buildings

Entrance    Path    Level Changes Stairs, Ramp, Elevators    Sanitary Provisions    Changing Room    Furniture    Parking & drop off point    Accessible Rooms    Reserved Seating spaces    Hearing Enhancement

All	UA*	UA	UA	UA	UA	UA	UA	UA	UA	UA
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UA

Universally Accessible

UA\*

When the building is built in a floodable zone the entrances of the building can have a change in level from the exterior floor level. In this exceptional case the entrances solutions may be permitted.

CODE	CRITERIA	EVALUATION			COMMENTS	AUDIT PHASE
E	Entrance	YES	N/A	NON		
E1	Gradients of entrances ≤ 5%					PERMIT
E2	When several paths, both accessible and inaccessible marked					ACCOMPLISH
E3	If accessible door not the main door, it is marked with directional sign					ACCOMPLISH
E4	Identification number and exact address for each entrance					OPERATION
E5	In public use buildings, reception desk near the entrance					ACCOMPLISH
E6	Dimensions doors ≥ 900mm width x 2100mm height					PERMIT
E7	Automatic door					ACCOMPLISH
E8	3 seconds or more to move from closed to fully open position - Remain fully open for a minimum 5 seconds - Force not more than 66N					ACCOMPLISH
E9	Doormats levelled with ± 2mm					ACCOMPLISH
E10	Access controls barriers with at least one barrier with width ≥ 900mm if provided					OPERATION
ER	<b>Counters and reception areas</b>					
ER1	Reception areas with seating places and interaction spaces					OPERATION

ER2	Front desks with accessible interaction space					OPERATION
ER3	Low counter height between 750-790mm & high counter height between 950-1250mm					OPERATION
ER4	Under the desk a space of 680 mm height and 480 mm deep					OPERATION
ER5	When required, hearing enhancement systems using induction loop, infrared and radio frequency are provided					OPERATION
ER6	With international symbol if access for hearing loss					OPERATION
<b>P</b>	<b>Path</b>	YES	N/A	NON	Comments	Audit Phase
<b>PE</b>	<b>Accessible path of travel - External</b>					
PE1	1800 mm width without obstacle, from the bus yard to the school entrance, segregated from buses circulating					PERMIT
PE2	Linear and continued					PERMIT
PE3	Intersections clearly visible with signs or lights					ACCOMPLISH
PE4	Gradient ≤ 5%					ACCOMPLISH
PE5	Clear headroom ≥ 2200mm					PERMIT
PE6	Absence of uneven surfaces - irregularities ≤ 5 mm					OPERATION
PE7	<b>Absence of protruding objects:</b> 1-Objects protruding less than 100mm from façade 2-Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
PE8	Furniture comply detection cone rule					OPERATION
PE9	Illumination level ≥ 10 lux					ACCOMPLISH
PE10	No drain grids on accessible crossings ( outside the intersection)					ACCOMPLISH
PE11	Free of obstacles and located between the building's façade and the furniture zone					ACCOMPLISH
PE12	Parking entrance do not modify the slope or width of the accessible path					ACCOMPLISH

PE13	Curb height between 100 mm and 150 mm					ACCOMPLISH
PE14	Cross slope gradient $\leq 2\%$					ACCOMPLISH
PE15	Pedestrian bridges with ramps or elevators if provided					PERMIT
PF	<b>Floor Surface</b>					
PF1	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ dry areas indoor - (PTV) Between 15 and 35					ACCOMPLISH
PF2	Slip resistance (PTV) comply: Inclined $> 5\%$ dry areas indoor, (PTV) $\geq 35$					ACCOMPLISH
PF3	Slip resistance (PTV) comply: Level and inclined with $\leq 5\%$ wet areas and outdoor - (PTV) Between 35 and 45					ACCOMPLISH
PF4	Slip resistance (PTV) comply: Inclined $> 5\%$ wet areas and outdoor,(PTV) $\geq 45$					ACCOMPLISH
PF5	Slip resistance (PTV) comply: Street pavement, swimming pools and showers, (PTV) $\geq 45$					ACCOMPLISH
PF6	Ground pavement without loose elements					OPERATION
PF7	Rugs and carpets are firmly fixed and do not increase the strength required to roll over a ceramic pavement by $\geq 25\%$					OPERATION
PF8	Without rounded edges and excessive joints					ACCOMPLISH
PF9	Not producing glare					ACCOMPLISH
PF10	With reflectance contrast of at least 30 points LRV between accessible pavement (surrounding surface or 300mm pavement strip)					ACCOMPLISH
PF11	Lighting in floor (Flooring Light) not produces glare and excessive heat					ACCOMPLISH
PF12	Absence of utility covers (manhole covers) on the path or with height less of 5 mm					ACCOMPLISH

PF13	Absence of drain grids on the path or with holes smaller than 5 mm					ACCOMPLISH
PF14	Change of pavement level $\leq 15$ mm, with $\leq 25\%$ gradient slope (chamfered)					ACCOMPLISH
PF15	Longitudinal grate openings with perpendicular orientation to the pedestrians' direction of travel					ACCOMPLISH
PF16	For distance between tree basin edge and the façade $\leq 2000$ mm, tree grate with walkable surface					ACCOMPLISH
PI	<b>Internal corridors</b>					
PI1	Width $\geq 1000$ mm					PERMIT
PI2	In direction changes a Maneuvering space of 1200 mm					PERMIT
PI3	Tactile warning surface in any change of level					PERMIT
PI4	Illumination $\geq 60$ lux					ACCOMPLISH
PI5	Clear headroom $\geq 2200$ mm					PERMIT
PI6	<b>Absence of protruding objects</b> 1- Objects protruding less than 100mm from façade 2- Objects protruding more than 100mm, extends to the floor surface or above the floor level by maximum 300mm					OPERATION
LC	<b>Level Changes</b>	YES	N/A	NON	Comments	Audit Phase
LCG	<b>Guardrails</b>					
LCG1	Absence of unprotected level changes - guardrails for heights $\geq 500$ mm					PERMIT
LC22	Height $\geq 1100$ mm					ACCOMPLISH
LCG3	With sufficient strength and stiffness to withstand horizontally uniformly distributed force of 3 kN/m					ACCOMPLISH
LCG4	Can not be climbable					ACCOMPLISH

LCG5	Width of Horizontal and Vertical openings $\leq$ 100mm					ACCOMPLISH
LCG6	1- Availability of continuous base on the entire open side length 2- Continuous base $\geq$ 100mm high from the floor surface for ramps & stairs					PERMIT
LCR	<b>Ramps</b>					
LCR1	Ramps used only when gradient of level $>5\%$					PERMIT
LCR2	Slope is $\leq$ 8% or 1:12					PERMIT
LCR3	Cross fall gradient $\leq$ 2%					ACCOMPLISH
LCR4	Run length $\leq$ 10 meters					PERMIT
LCR5	Run width = 1000 mm between handrails					PERMIT
LCR6	No curved ramps					PERMIT
LCR7	Landings at the beginning and end of every run - surface 1500 mm x 1500 mm					PERMIT
LCR8	Level landings or $\leq$ 2%					ACCOMPLISH
LCR9	Corridors in landings width $\geq$ 1200 mm width					PERMIT
LCR10	No door located at $\leq$ 1500mm from start and or end of each ramps					PERMIT
LCS	<b>Stairs</b>					
LCS1	Availability of alternative elevator accompanied with internal staircase in more than one story building					PERMIT
LCS2	Steps rises between 150 - 175 mm					PERMIT
LCS3	Steps stair treads between 300 - 340 mm					PERMIT
LCS4	Steps rise (R) and Tread (T) fulfil: $600 \text{ mm} < 2R + T < 650 \text{ mm}$					PERMIT
LCS5	No curved stairs					PERMIT

LCS6	No open risers or discontinued treads					PERMIT
LCS7	Steps with nosing $\leq 25$ mm					ACCOMPLISH
LCS8	30 mm from the step edge space along the stair flight width shall present a reflectance contrast of 30 LRV					ACCOMPLISH
LCS9	Steps with same height with a $\pm 4$ mm tolerance					ACCOMPLISH
LCS10	Stair flights steps number between 3 and 12					PERMIT
LCS11	Usable stair flight width $\geq 1200$ mm					PERMIT
LCS12	Illumination at top and bottom of the flight $\geq 200$ lux					ACCOMPLISH
LCS13	Landing with same width of stair and a length $\geq 1200$ mm					PERMIT
LCS14	Empty space with height $< 2200$ mm under the stair is protected					ACCOMPLISH
LCH	<b>Handrail for Ramps &amp; Stairs &gt; 500mm high</b>					
LCH1	300 mm horizontal extension at its ends					ACCOMPLISH
LCH2	Presence of intermediate handrail for stairs to keep distance of at most 2100 mm					PERMIT
LCH3	Mounted at Height of 900 mm					ACCOMPLISH
LCH4	Additional handrail at a height between 650 - 750 mm					ACCOMPLISH
LCH5	In ramps the distance between both sides of handrails is 1000 mm					PERMIT
LCH6	Rounded section of 30 - 40 mm separated from the wall with a distance $\geq 40$ mm					ACCOMPLISH
LCH7	Handrails designed to allow continuity of gripping without interfering its mounting system					ACCOMPLISH
LCH8	Contrast of 30 LRV against its background					ACCOMPLISH
LCH9	Handrails made of comfortable materials against heat and coldness					ACCOMPLISH

LCE	elevators					
LCE1	Present in buildings with more than one floor					PERMIT
LCE2	Accessible from ground floor in public areas					PERMIT
LCE3	Dimensions shall comply: One door $\geq 1200 \times 1500$ mm Two opposing doors $\geq 1200 \times 1500$ mm Two doors in $90^\circ \geq 1500 \times 1500$ mm					PERMIT
LCE4	Automatic doors with a width of 900 mm and colour contrast against walls					ACCOMPLISH
LCE5	Maneuvering space of $1500 \times 1500$ mm in front the elevator access					ACCOMPLISH
LCE6	Elevator calling buttons height between 900 - 1200 mm					ACCOMPLISH
LCE7	Floor indicator located at 1830mm					ACCOMPLISH
LCE8	Only one mirror inside the cabin on the wall opposite to the door over the handrail level					ACCOMPLISH
LCE9	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCE10	Inside the cabin, buttons height between 900 - 1200 mm with Braille					ACCOMPLISH
LCE11	The ground floor button protruded $\geq 3$ mm distinguished with a green color					ACCOMPLISH
LCE12	Call buttons distinguished with icons and color contrast against background					ACCOMPLISH

LCE13	Buttons provide two-channel feedback/ visual & acoustic OR visual & tactile					ACCOMPLISH
LCE14	Emergency phone number is indicated by graphic and tactile					ACCOMPLISH
LCE15	CCTV or intercom or alternative system					ACCOMPLISH
LCE16	Light on the ceiling only with 100 lux					ACCOMPLISH
LCE17	In panoramic elevators, an opaque wall or corner is provided					ACCOMPLISH
LCE17	Automatic doors open at least 3 seconds					ACCOMPLISH
LCE18	Doors provided with sensors at two levels open automatically					ACCOMPLISH
LCE19	Door force less than 135N					ACCOMPLISH
LCE20	Indication sign of accessible elevator direction when various options of vertical circulation					OPERATION
LCE21	Braille & tactile signage on the door jamb at 1500mm height					ACCOMPLISH
LCE22	Audible signal or voice announcement when reaching each floor					ACCOMPLISH
LCE23	Advisory signs indicating safety procedures and other regulatory information					OPERATION
LCL	<b>Lift Platforms, if provided</b>					
LCL1	Dimensions of the cabin on min. 900 x 1500 mm					PERMIT
LCL2	Maneuvering space of 1500 x 1500 mm in front the lift access					PERMIT
LCL3	Calling button height between 700 - 1200 mm					ACCOMPLISH
LCL4	Doors width of 900 mm					PERMIT

LCL5	Cabin with side protections to isolate users from side walls					ACCOMPLISH
LCL6	Inside the cabin, minimum two handrails at a height of 800 mm to 1000mm from the floor					ACCOMPLISH
LCL7	Inside the cabin, continuous pressing buttons operable with the elbow					ACCOMPLISH
LCL8	Additional external control by authorized person					OPERATION
LCL9	2000mm travel height if open cabin 4000mm height if full cabin					PERMIT
LCEs	<b>Escalators, Travellators &amp; Mechanical Ramps , if provided</b>					
LCEs1	Moving surface gradient $\leq 5\%$					PERMIT
LCEs2	Contrast pavement with surrounding at the beginning and end of travellator					ACCOMPLISH
LCEs3	Marked travel direction					ACCOMPLISH
LCEs4	Audio system indicating start and end					ACCOMPLISH
<b>SP</b>	<b>Sanitary Provisions</b>	YES	N/A	NON	Comments	Audit Phase
<b>SPpt</b>	<b>Public Toilets</b>					
SPpt1	Public toilets for male and female provided					PERMIT
SPpt2	Public toilet within 150 m distance					PERMIT
SPpt3	Furniture have a reflectance contrast of at least 30 points LRV					OPERATION

SPpt4	Toilet appliances height between 900 - 1200 mm					ACCOMPLISH
SPpt5	Toilet appliances automatically activated or operable with the elbow					ACCOMPLISH
SPpt6	Door clear width 900mm and comply door requirements					PERMIT
SPpt7	Door latches operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPpt8	Coat hanger on the door from inside the accessible cabin between 1100 - 1400 mm					ACCOMPLISH
SPpt9	If 2 or more urinals, 1 with usable height at 300 mm and with grab bars at height of 700 - 1200mm					ACCOMPLISH
SPpt10	Flushing systems are operated by pressing or with a flush handle with large surface and operable with one hand or elbow, toilets and urinals					ACCOMPLISH
SPpt11	Distance between the urinal grab bars is 500 mm					ACCOMPLISH
SPpt12	Urinal Grab bars mounted between 700mm from bottom up to 1200mm height					ACCOMPLISH
SPpt13	In each toilet block a baby changing board is provided if needed					PERMIT
SPpt14	Non slippery floor surface with Pendulum Test Value (PTV) $\geq$ 45					ACCOMPLISH
SPpt15	With wash basins in a row, 1 is accessible					ACCOMPLISH

SPpt16	Accessible wash basin clearance from ground surface space $\geq$ 700 mm high and $\geq$ 250 mm deep					ACCOMPLISH
SPpt17	Usable wash basin surface top height between 800 - 850 mm					ACCOMPLISH
SPpt18	Faucets (water tap) operated by pressing button or a lever handle or with a sensor ( Not turning valve)					ACCOMPLISH
SPpt19	Distance to the faucet ( water tap) shall be less than 600 mm and vertical between 900 mm and 1200 mm.					ACCOMPLISH
SPpt20	Lower edge of mirror $\leq$ 900 mm height					ACCOMPLISH
SPpt21	Controls and accessories height (soap dispenser, dryer) mounted at height 700 - 1200mm					ACCOMPLISH
SPpt22	Advisory signs indicating safety procedures and other regulatory information					OPERATION
SPpt23	In children's schools and nurseries, toilets and furniture with appropriate heights provided					PERMIT
SPat	<b>Accessible toilet</b>					
SPat1	One accessible toilet for each gender in every floor or 1 independent accessible toilet for both genders					PERMIT
SPat2	One accessible toilet within a 150 m distance from any part of the building					PERMIT
SPat3	Corridors width in toilets, showers, lockers spaces of 1200 mm					PERMIT
SPat4	Maneuvering turning space diameter of 1500 mm in circulations					PERMIT
SPat5	Maneuvering space diameter of 1500 mm inside the toilet					PERMIT

SPat6	Maneuvering space height between 0 to 700mm free of obstacles					ACCOMPLISH
SPat7	Lateral interaction space on both sides of the toilet or on one side if symmetrical units					ACCOMPLISH
SPat8	Lateral interaction space size 865mm x 1420mm					ACCOMPLISH
SPat9	Door open outwards or is sliding					PERMIT
SPat10	Door with horizontal 300 mm grab bar placed between 900 - 1000 mm height at 300 mm from the hinge side					ACCOMPLISH
SPat11	Latch operable with the elbow installed between 900 - 1200 mm					ACCOMPLISH
SPat12	Coat hanger between 1100 - 1200 mm					ACCOMPLISH
SPgb	<b>Grab bars in accessible toilets</b>					
SPgb1	The space between grab bars and the wall $\geq$ 45mm					ACCOMPLISH
SPgb2	Withstand a force of 1 kN in any direction					ACCOMPLISH
SPgb3	Circular diameter between 30 - 40 mm					ACCOMPLISH
SPgb4	Horizontal bars height between 700 - 750 mm. Support length of 700 mm					ACCOMPLISH
SPgb5	Bars mounted in the transfer space must be foldable					ACCOMPLISH
SPgb6	With two transfer areas, distance between both grab bars 670 mm and 700 mm					ACCOMPLISH

SPgb7	With one transfer area, horizontal bars mounted in wall 300 mm from the sanitary edge with 700mm length and mounted 700 - 750mm					ACCOMPLISH
SPgb8	600mm vertical bar mounted 700 - 750mm from ground away 700mm from the wall					ACCOMPLISH
SPgb9	Toilet height between 450 - 500 mm					ACCOMPLISH
<b>SPsh</b>	<b>Showers, if provided</b>					
SPsh1	Shower floor surface at same floor level with surrounding area					ACCOMPLISH
SPsh2	Drain water slope $\leq 4\%$					ACCOMPLISH
SPsh3	Dimensions of showers area at least 865 x 1200 mm and a seat of at least 400 x 400 mm					PERMIT
SPsh4	Seat located at a height between 450 - 500 mm and separated from the wall between 150 - 200 mm					ACCOMPLISH
SPsh5	Horizontal bar length 800 mm mounted 700 - 750 mm from the ground					ACCOMPLISH
SPsh6	Two Vertical bars length of 800 mm in the lateral wall of the shower seat mounted 800 mm from the floor level					ACCOMPLISH
SPsh7	Distance between vertical bars between 670 - 700 mm					ACCOMPLISH
SPsh8	Controls within 500mm away from the shower seat					ACCOMPLISH
<b>Spab</b>	<b>Ablution areas, if provided</b>					
SPab1	Electronic or sensor faucets					ACCOMPLISH
SPab2	One accessible ablution unit linked to an accessible path. The closest from the entrance					PERMIT

SPab3	Two horizontal bars mounted between 700 - 800 mm with the same length of wash basin					ACCOMPLISH
SPab4	All Accessories at a height between 700 - 1200 mm					ACCOMPLISH
SPab5	Provides bidet shower system, soap and paper					ACCOMPLISH
SPab6	Approaching free space of 1200 mm					ACCOMPLISH
SPab7	The approaching free space with contrast $\geq 30$ points LRV					ACCOMPLISH

CHR	Changing rooms	YES	N/A	NON	Comments	Audit Phase
	Accessible dressing or changing rooms					
CHR1	Corridors width $\geq 1000$ mm and direction changes with Maneuvering turning space of 1500mm					PERMIT
CHR2	Approaching space for lockers, benches and furniture 1420 x 865mm					PERMIT
CHR3	1 of 10 showers is accessible, if provided					PERMIT
CHR4	1 of 10 toilet is accessible, if provided					PERMIT

FU	Furniture	YES	N/A	NON	Comments	Audit Phase
FU1	Without sharp edges, protruding objects, burning surfaces. With contrasting colour. Made with non-toxic material, and noted if causing allergy					OPERATION
FUt	Tables					
FUt1	Height of the top $\leq 800$ mm					OPERATION
FUt2	Clearance height under the table $\geq 680$ mm					OPERATION

FUt3	Clearance depth under the table $\geq$ 480mm					OPERATION
FUt4	Tables without integrated seats					OPERATION
FUc	<b>Chairs and Benches</b>					
FUc1	Seat height of 430 mm with a $\pm$ 30 mm tolerance					OPERATION
FUc2	Seat depth between 400 - 450 mm					OPERATION
FUc3	With backrest height between 400 - 460 mm					OPERATION
FUc4	Some seats with armrests					OPERATION
FUc5	At least in one side has lateral interaction spacem for wheelchair min 865 x 1420mm with international symbol					OPERATION
FUc6	Outdoor spaces - benches every 100 meters accompanied with shaded areas every 50 m In buildings - benches or seat types every 50 meters					OPERATION
FUc7	Seats with different charactarestics to suit different students needs: 1- removable seats to provide places for wheel chairs 2- handed desks to suit left handed users 3-duble seats for studens of big budy shapes 4-seats with communication accesories if needed 5- seats with breathing accesoris if needed 6- seats provided or served by electricity pluges if needed withot obstructing the corridors by cable					OPERATION
FUd	<b>Drinking fountains, if provided</b>					

FUd1	Two fountains with different heights $\leq 915$ mm for the lower one with leg clearance					OPERATION
FUd2	Comfortable frontal and lateral approach					OPERATION
FUd3	If manual button, minimum height = 700mm for the lower one and maximum 1200mm for the higher one					OPERATION
FUd4	Water supply between 600 - 900mm height					OPERATION
FUd5	With bottle filler					OPERATION
FUd6	Clearly visible with contrasting background					OPERATION
FUtb	<b>Trash bins, if provided</b>					
FUtb1	Not located in the accessible path					OPERATION
FUtb2	Lateral space of interaction of at least 865 x 1420mm					OPERATION
FUtb3	Trash bin opening height $\leq 900$ mm					OPERATION
FUtb4	Trash bins every 50 meters					OPERATION
FUtb5	When fixed to the walls protrude $\leq 250$ mm					OPERATION
FUtb6	Operable with an elbow if opening mechanism is provided					OPERATION
FUtb7	Well contrasted signage					OPERATION
FUv	<b>Vending machines and ATM's, if provided</b>					

FUv1	One frontal or lateral interaction space 865 - 1420mm					OPERATION
FUv2	Floor surface is smooth, non-slippery with a gradient $\leq$ 2%					OPERATION
FUv3	Screen and keyboard are visible from a point located 1000 mm above the floor					OPERATION
FUv4	Screen and keyboard with no reflection or glare					OPERATION
FUv5	Control buttons height between 400 - 1200 mm and $\geq$ 600 mm from any corner					OPERATION
FUv6	Control buttons with high embossed text and Braille					OPERATION
FUv7	Card slot height between 800 - 1200 mm					OPERATION
FUv8	Visual and acoustic indication system and alarm system provided					OPERATION
FUv9	Audio information provided					OPERATION
FUv10	CCTV Intercom provided					OPERATION
FUv11	Slots are wide and have a funnel effect					OPERATION
FUb	<b>Bollards, planters, telephone booths and other furniture elements, if provided</b>					
FUb1	Outside the accessible path or do not reduce accessible path $\leq$ 1200mm					OPERATION
PA	<b>Parking and drop off point</b>	YES	N/A	NON	Comments	Audit Phase
PA1	Pick up & drop off area provided					PERMIT
	<b>Accessible parking places, access to parking lots</b>					

PA2	<p><b>Number of accessible parking lots, if parking facilities provided:</b> 1.3 % of the total number of parking spots.</p> <p>A partial parking to be considered as a full parking at the maximum number of 10 parkings</p> <p><b>If parking facilities not provided:</b> 2 bays in public areas close to the entrance</p>					PERMIT
PA3	Accessible spaces as close as possible to the entrance of the building and no more than 50 m					PERMIT
PA4	<p>Dimensions of accessible parking spaces:</p> <p>2500 x 6000 mm for angled parking, 2600 x 6000 mm for parking along the sidewalk</p>					PERMIT
PA5	With lateral access aisle $\geq$ 1200 mm					PERMIT
PA6	Signs mounted at 2200 mm with international symbol					ACCOMPLISH
PA7	Marked with international symbols					ACCOMPLISH
PA8	Curb cut with maximum 8% slope					ACCOMPLISH

AR	Accessible Room	YES	N/A	NON	Comments	Audit Phase
ARh	Rooms					
ARh4	Clear route for wheelchair movement					OPERATION
ARh5	Illumination $\geq$ 200 lux					ACCOMPLISH
ARh6	Controls placed at height between 700 - 1200 mm					ACCOMPLISH
ARh7	Electronic outlets at height between 400 - 1000mm					OPERATION
ARh9	Acoustic and visual fire alarm provided					OPERATION
ARh11	Shelves and drawers are provided between 700 -1200mm from the floor and clothes hanger placed at height 1200mm					OPERATION
Ard	Dining rooms					
ARD1	Accessible path of travel provided to half of dining area (900mm minimum)					OPERATION

ARd2	Illumination $\geq$ 100 lux provided in at least 10% of dining rooms					ACCOMPLISH
ARd3	Sound reduction materials used in dining rooms, floors and walls made of washable materials					OPERATION
ARd4	10% of the tables shall comply with the dimensional criteria for tables					OPERATION
ARd5	The self service tables height located between 900 - 1200mm from the floor					OPERATION
ARd6	Minimum 900mm clear passage to all food service area					OPERATION
ARd7	Spaces for children strollers and mobility devices are provided, 10 seats are movable					OPERATION

RS	Reserved Seating Spaces	YES	N/A	NON	Comments	Audit Phase
	Auditorium, Sport stadium, theater , etc					
RS1	Number of reserved seats: one reserved wheelchair space for every 50 seats or fraction thereof and beyond 500 seats, one more every 100 seats of fraction thereof , as on general checklist GAU					PERMIT

HE	Hearing Enhancement	YES	N/A	NON	Comments	Audit Phase
	induction loop, FM, infrared (through expert advice)					
HE1	Hearing enhancement system is provided in the service countres and assembly areas					ACCOMPLISH
HE2	Hearing enhancement system is provided in the meeting rooms serving more than 25 person					ACCOMPLISH
HE3	Hearing enhancment system provided in the auditoriums and theaters					ACCOMPLISH

HE4	Posted sign to indicate that the enhancement system is available					ACCOMPLISH
HE5	Compatible with language translation system					ACCOMPLISH
HE6	International symbol of access for hearing loss is provided, when the system is provided for persons with hearing impairment					ACCOMPLISH