

PUBLIC POOL CHECKLIST

(This checklist is based on the Ministry of Municipal Affairs and Housing checklist)

This checklist is prepared for purposes of convenience only. For accurate reference recourse should be had to the 2006 Building Code.

**PUBLIC POOL DESIGN CHECKLIST
 BASED ON ONTARIO REGULATION 350/06
 SECTION 3.11.**

File#: _____

Date: _____

Class A or Class B

Indoor or Outdoor

Major Occupancy: _____

Project	Name:			
	Address:			
Owner	Name:		Phone:	
	Address:			
Design Professional (Architect/ Engineer) *	Name:		Phone:	
	Address:			
	Signature:			

* Refer to Section 1.2. Design and General Review, Division C – Part 1, 2006 Ontario Building Code

Note: Page 3 to 7 for all pools

Additional Pages:

Page 8 → Diving Boards and Platforms

Page 9 → Modified & Wave Action Pools

Page 10 → Pools with Ramps

DECK AND POOL REQUIREMENTS			
OBC Reference	Requirements	Design	As Built
3.11.3.1.(4)	Except for a modified pool, wave action pool, a pool for therapeutic use, a beach entry ramp and a pool described in 3.11.5.1. (1). All water depths ≥ 0.75 m	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(5)	Beach entry ramp is protected with permanent barriers between 900 mm to 1200 mm along the deck	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(6)	Bottom slopes (a) water depths ≤ 1.35 m - maximum 8% (b) water depths > 1.35 m but < 2.00 m - maximum 33% (c) water depths ≥ 2.00 m - maximum 50%	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.3.1.(7)	Recessed fittings for safety buoy line ≥ 300 mm toward the shallow end measured from the top of a slope steeper than 8%	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(8)	Walls vertical to within 150 mm of the bottom in water depth < 1.35 m	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(9)	Pool surrounded by hard surfaced deck (a) ≥ 1.80 m wide 0.90 m clear behind diving board or at a column (b) outdoor pools - sloped away to waste drains or adjacent lower ground at a slope of between 2% and 4% (c) indoor pools - impervious and sloped away between 1% and 4% to waste drains	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.3.1.(10) ^{mw}	Where provided, a ledge shall (a) be located only where water depth ≥ 1.35 m (b) be ≤ 200 mm wide (c) be ≥ 1.00 m below the water surface (d) be gradually tapered towards shallow end (e) have a band of contrasting colour on top edge	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.3.1.(11) ^{mw}	Above ground pool - (see page Pool - 4)	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(12)	Deck perpendicular to pool walls or projects ≤ 50 mm over water	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(13)	Deck separated by barrier from spectator area	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(14)	Deck delineated from surrounding area	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(15) ^{mw}	Perimeter drainage around deck where necessary	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(16) ^w	Hose bibs provided for convenient flushing of deck	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(17)	Foot sprays running freely to waste provided where access to pool is over non-cleanable surfaces (e.g. Gravel, grass)	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(18)	One or more ladders or steps in deep and shallow areas	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(19) ^{mw}	Submerged surfaces of pool, the deck and partitions or walls adjacent to the deck have cleanable surfaces	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(20) ^{mw}	Submerged surfaces white or light in colour (markings excluded)	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(21) ^w	Black disc 150 mm in diameter on white background at deepest point in pool	<input type="checkbox"/>	<input type="checkbox"/>

^m also applicable for modified pools (see page pool 9)

^w also applicable for wave action pools (see page pool 9)

DECK AND POOL REQUIREMENTS			
OBC Reference	Requirements	Design	As Built
3.11.3.1.(22) ^{mw}	Access to deck preventable (e.g. lockable doors, security fence with lockable gate)	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(23)	Lifeguard control stations where required in a Class A pool (a) one or more where water surface > 150 m ² and ≤ 230 m ² (b) two or more where water surface > 230 m ²	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
3.11.3.1.(24) ^w	Markings on deck ≥ 100 mm high, showing (a) water depths at deep points, breaks between gentle and steep bottom slopes and shallow points (b) SHALLOW AREA at appropriate location(s) (c) DEEP AREA at appropriate location(s) where water depth > 2.5 m	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.3.1.(25) ^w	In pools with max. water depth ≤ 2.5 m notice posted in letters ≥ 150 mm either CAUTION - AVOID DEEP DIVES or SHALLOW WATER -- NO DIVING (pool owner may choose either wording)	<input type="checkbox"/>	<input type="checkbox"/>
3.11.3.1.(26)	Except where no space is provided between ladder treads and the pool wall, the space between the pool wall and submerged portions of any treads of a ladder for entry into and egress from the water shall be not more than 150 mm and not less than 75 mm.	<input type="checkbox"/>	<input type="checkbox"/>

ABOVE GROUND POOLS			
OBC Reference	Requirements	Design	As Built
3.11.3.1.(11) ^{mw}	If pool installed on surface of ground or hard surface Water depth constant and no more than 1.10 m Water surface area no more than 100 m ² Deck may be elevated platform that has: (a) an unobstructed width of 900 mm minimum (b) elevation above grade or floor ≥ 75 mm (c) 6 mm wide openings for drainage (d) surface that is capable of being kept clean, disinfected and free from slipperiness	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

RECIRCULATION SYSTEMS

OBC Reference	Requirements	Design	As Built
3.11.8.1.(3)	Means provided to prevent water from flowing from (a) the pool or recirculation system into the water supply (b) the sewer back into the pool	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
3.11.8.1.(5)	Recirculating system capable of filtering, disinfecting, and passing through the pool each day a volume of at least (a) Class A pool - 6 times the pool's water volume (4 hrs) (b) Class B pool - 4 times the pool's water volume (6 hrs) (c) Modified pool - 3 times the pool's water volume (8 hrs) (d) Wave action pool - 6 times the pool's water volume (4 hrs) Pool dimensions (m) = _____ Pump model _____ Surface area (m ²) = _____ Pump size (hp) _____ Water volume (m ³) = _____ # turnovers / day _____ Filter model _____ Filter and pump sizes adequate? Filter flow rate (US gpm) = _____ yes <input type="checkbox"/> no <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.8.1.(6)	Flow meter on recirculation system (make _____ model _____)	<input type="checkbox"/>	<input type="checkbox"/>
3.11.8.1.(7)	Automatic make-up devices and water meters on makeup water supply which is connected to the recirculation system or the pool	<input type="checkbox"/>	<input type="checkbox"/>
3.11.8.1.(8)	Continuous disinfection of pool water by means of either (a) or (b) (a) chlorination or hypo-chlorination system capable of providing (i) outdoor pool - 300 g chlorine/day/10,000 L of pool volume (ii) indoor pool - 200 g chlorine/day/10,000 L of pool volume (iii) outdoor wave action pool - 1200g chlorine/day/10,000 L of pool volume (iv) indoor wave action pool - 800 g chlorine/day/10,000 L of pool volume (b) a brominator capable of maintaining 3 mg of bromine/L of pool water	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.8.1.(9)	Chlorination equipment incorporates automatic termination of chlorine feed whenever pool water recirculation is interrupted.	<input type="checkbox"/>	<input type="checkbox"/>
3.11.8.1.(10) 3.11.8.1.(11)	Exposed potable water and chlorine piping within water treatment service room colour-coded - green for potable water and yellow for chlorine	<input type="checkbox"/>	<input type="checkbox"/>
3.11.8.1.(12) 3.11.8.1.(13)	Where applicable, inlets and skimmers or overflow gutters provide uniform circulation and distribution and capable of discharging surface water to waste - 15% removal/day	<input type="checkbox"/>	<input type="checkbox"/>
3.11.8.1.(14)	Except fittings within 300 mm of surface and returning water to the pool tank, all fittings must provide 7 mm max. opening in one direction and grille covers fastened by corrosion resistant, galvanically compatible materials require a tool for removal	<input type="checkbox"/>	<input type="checkbox"/>
3.11.8.1.(15) 3.11.8.1.(16)	Except for modified pools, public pools must be (a) provided with a minimum of two suction or gravity outlets interconnected to a full size manifold, and spaced at least 1 200 mm apart, and (b) capable of emptying all the pool water through the drains in ≤ 12 hrs	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
3.11.8.1.(17)	Except for modified pools, flow Velocity ≤ 0.45 m/s (1.48 ft/s) through openings in suction or gravity cover fittings Drains - Type/Model _____ Opening-m ² _____ Flow V. m/s _____ Others - Type/Model _____ Opening-m ² _____ Flow V. m/s _____ Others - Type/Model _____ Opening-m ² _____ Flow V. m/s _____	<input type="checkbox"/>	<input type="checkbox"/>
3.11.8.1.(18)	Marking of all suction and gravity fittings with 50 mm wide contrasting band	<input type="checkbox"/>	<input type="checkbox"/>
3.11.8.1.(19)	Fitting openings returning water to the pool tank that are located within 300 mm of the water surface must be ≤ 25 mm dia. with one dimension permitted to be more than 7 mm	<input type="checkbox"/>	<input type="checkbox"/>
3.11.8.1.(20)	Submerged skimmer equalizers and vacuum fittings are <u>not</u> designed and specified	<input type="checkbox"/>	<input type="checkbox"/>

EMERGENCY PROVISIONS			
OBC Reference	Requirements	Design	As Built
3.11.10.1.(1)	Illumination - refer to Subsection 3.2.7.	<input type="checkbox"/>	<input type="checkbox"/>
3.11.10.1.(2)	Dressing, locker and shower rooms, washrooms and passageways - illumination of ≥ 200 lx at floor level	<input type="checkbox"/>	<input type="checkbox"/>
3.11.10.1.(3)	Indoor pool or outdoor pool open after sundown equipped with lighting (a) that will maintain on deck and water surface (i) indoor pool ≥ 200 lx (ii) outdoor pool ≥ 100 lx (b) that makes underwater areas of pool visible	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.10.1.(4)	Indoor pool and outdoor pool open after sundown equipped with emergency lighting system that operates automatically	<input type="checkbox"/>	<input type="checkbox"/>
3.11.10.1.(5)	Emergency lighting illuminates deck, washroom, shower, locker, water surface areas and means of egress to ≥ 10 lx	<input type="checkbox"/>	<input type="checkbox"/>
3.11.10.1.(6)	Emergency power supply provided as per 3.2.7	<input type="checkbox"/>	<input type="checkbox"/>
3.11.10.1.(7)	Class A pool - emergency telephone adjacent to deck	<input type="checkbox"/>	<input type="checkbox"/>
3.11.10.1.(8)	Class B pool - telephone for emergency use within 30 m of pool	<input type="checkbox"/>	<input type="checkbox"/>
3.11.10.1.(12) 3.11.10.1.(13) 3.11.10.1.(14)	An emergency stop button clearly labelled (with an audible & visual signal when in use) to deactivated all recirculating pumps and located beside the phone of a Class A pool and a Class B pool on the deck area	<input type="checkbox"/>	<input type="checkbox"/>

SERVICE ROOMS AND STORAGE FACILITIES			
OBC Reference	Requirements	Design	As Built
3.11.11.1.(2)	Compressed chlorine gas feeders located in a service room (a) separated from building by a 1 hr fire separation and is gas tight (b) designed with anchors for each cylinder and for no other purpose than containing feeders and cylinder storage (c) located above ground level (d) exit door provided to outdoors (e) screened openings to outdoors within 150 mm of floor and within 150 mm from ceiling each opening $\geq 2\%$ of floor area (f) emergency mechanical ventilation of ≥ 30 ACH capacity suction ≤ 900 mm & discharge ≥ 2.50 m above floor to outdoors (g) equipped with a weigh scale for each cylinder in use ≥ 135 kg	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.11.1.(3) 3.11.11.1.(4)	Chemical storage rooms equipped with - hose connection and floor drain ventilation	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
3.11.11.1.(5)	Service rooms and storage areas etc. equipped with secure locking devices	<input type="checkbox"/>	<input type="checkbox"/>

DIVING BOARDS & PLATFORMS*			
OBC Reference	Requirements	Design	As Built
3.11.4.1.(2)	Pool is <u>not</u> a modified pool or a wave action pool	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(3)	Board or platform has non-slip surface	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(4)	Board or platform more than 600 mm above water surface equipped with handrail(s)	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(6)	Water depth within 3.00 m radius from end of board or platform is (a) 2.75 m for board \leq 600 mm above water surface (b) 3.00 m for board or platform $>$ 600 mm and \leq 1.00 m above water (c) 3.65 m for board or platform $>$ 1 m and \leq 3 m above water	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.4.1.(7)	Water depth at 9.00 m radius from end of board or platform \geq 1.35 m	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(8)	Class B pool with board 600 mm or less above water, depth at 7.50 m radius from end of board \geq 1.35 m + warning notice - "Danger - Avoid deep long dives" @ 150 mm	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(9)	Slope changes no more than 17% where the water depth is less than that specified in Sentence (6) and greater than 1.35 m	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(10)	Horizontal distance between boards or platforms \geq 2.75 m	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(11)	Horizontal distance between a pool slide wall and ledge and (a) a board or platform 1 m or less above water \geq 3.00 m (b) a board or platform more than 1 m above water \geq 3.60 m	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
3.11.4.1.(12)	Board or platform \leq 600 mm above water to project \geq 900 mm over the water	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(13)	Board $>$ 600 mm above water to project \geq 1.50 m over the water	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(14)	Platform $>$ 600 mm above water to project \geq 1.20 m over the water	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(15)	Diving headroom unobstructed - for dimensions, see Sentence 3.11.4.1.(15)	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(16)	Board or platform $>$ 3.00 m above water surface - access preventable by gate, barrier or other means	<input type="checkbox"/>	<input type="checkbox"/>
3.11.4.1.(17)	Board or platform $>$ 3.00 m above water surface - see FINA standards for water depths and overhead clearances required	<input type="checkbox"/>	<input type="checkbox"/>

* Not permitted in modified pools and wave-action pools.

REQUIREMENTS FOR MODIFIED POOLS			
OBC Reference	Requirements	Design	As Built
3.11.6.1.(3)	Pool and pool deck hard-surfaced, cleanable	<input type="checkbox"/>	<input type="checkbox"/>
3.11.6.1.(4)	Bottom slope $\leq 8\%$	<input type="checkbox"/>	<input type="checkbox"/>
3.11.6.1.(5)	Depth ≤ 1.80 m	<input type="checkbox"/>	<input type="checkbox"/>
3.11.6.1.(6)	Pool surrounded on all sides by a hard-surfaced deck (a) ≥ 3.00 m wide (b) 100 mm high crown above pool water surface (c) sloped to allow drainage away from the pool	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.6.1.(7)	Two or more drain fittings located so that entire pool can be drained, and protective grilles having openings at least 10 times the internal cross sectional area of the outlet pipe(s) connected to recirculation system	<input type="checkbox"/>	<input type="checkbox"/>
3.11.6.1.(8)	Lifeguard control stations adjacent to edge of water at intervals of ≤ 60 m	<input type="checkbox"/>	<input type="checkbox"/>
3.11.6.1.(9)	Continuous black contour lines (a) 150 mm wide at 600 mm depth (b) 300 mm wide at 1 200 mm depth	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

REQUIREMENTS FOR WAVE ACTION POOLS			
OBC Reference	Requirements	Design	As Built
3.11.7.1.(3)	Bottom slope (a) ≤ 8 per cent in still water depth < 1.00 m (b) ≤ 11 per cent in still water depth ≥ 1.00 m	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
3.11.7.1.(4)	Walls vertical from surface of water to within 150 mm of bottom	<input type="checkbox"/>	<input type="checkbox"/>
3.11.7.1.(5)	Hard-surfaced deck ≥ 3.00 m wide adjacent to shallow end Hard-surfaced deck ≥ 1.50 m wide elsewhere	<input type="checkbox"/>	<input type="checkbox"/>
3.11.7.1.(6)	Two or more lifeguard control stations on each side of pool where still water depth > 1.00 m	<input type="checkbox"/>	<input type="checkbox"/>
3.11.7.1.(7)	Recessed steps or ladders at intervals ≤ 7.50 m along portions of pool deeper than 1.00 m but not closer than 3.00 m to corners	<input type="checkbox"/>	<input type="checkbox"/>
3.11.7.1.(8)	Barrier or wall adjacent to pool wall where depth is ≤ 2.30 m that is ≤ 1.00 m from the side of the pool and 1.00 m in height bearing notices at intervals ≤ 7.50 m stating that jumping and diving are prohibited in that area	<input type="checkbox"/>	<input type="checkbox"/>
3.11.7.1.(9)	Skimming devices provided and appropriately located	<input type="checkbox"/>	<input type="checkbox"/>
3.11.7.1.(10)	Deactivation system with push buttons on pool decks ≤ 30.0 m apart on each side and deep end	<input type="checkbox"/>	<input type="checkbox"/>
3.11.7.1.(11)	First-aid room located within 50 m from pool	<input type="checkbox"/>	<input type="checkbox"/>
3.11.10.1.(9)	Public address system audible in all portions of pool	<input type="checkbox"/>	<input type="checkbox"/>
3.11.10.1.(10)	Communication system that interconnects supervisors, lifeguard control stations, first-aid room and admission control centre	<input type="checkbox"/>	<input type="checkbox"/>
3.11.10.1.(11)	Public address and communication systems interconnected	<input type="checkbox"/>	<input type="checkbox"/>

RAMPS INTO PUBLIC POOLS IN GROUP B, DIVISION 2 OR 3, MAJOR OCCUPANCIES

OBC Reference	Requirements	Design	As Built
3.11.5.1.(3)	Water depth < 1.5 m, surface area < 100 m ² (a) handrail running parallel to slope at a height of between 800 mm and 900 mm on each side of ramp (b) width ≥ 1.10 m (c) curb or other means to prevent wheel chair from falling off ramp (d) surface finishes capable of being maintained clean and sanitary and free from slipperiness (e) a bottom landing ≥ 1.5 m long	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.5.1.(4)	A notice reading CAUTION - NO DIVING in letters ≥ 150 mm high posted on each wall or fence	<input type="checkbox"/>	<input type="checkbox"/>
3.11.5.1.(5)	Curb around perimeter of pool that has	<input type="checkbox"/>	<input type="checkbox"/>
3.11.5.1.(6)	(a) a height of 50 mm (b) rounded edges (c) a coved base (d) a raised nosing at the top	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.5.1.(7)	If the ramp is a dry ramp (a) landing at bottom of ramp between 450 mm and 550 mm below top of pool wall (b) landing has a floor drain at the lowest point (c) top of wall between pool and ramp ≥ 250 mm and ≤ 300 mm wide (d) deck capable of accommodating a movable barrier separating deck from ramp. (e) water depth marked in letters 100 mm high, on the top of the wall separating the pool from the ramp (f) ramp slope ≤ 8 per cent	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3.11.5.1.(8)	If the ramp is a submerged ramp, the pool shall be so constructed that (a) at bottom of ramp, water depth ≥ 600 mm and ≤ 900 mm (b) a hard-surfaced area ≥ 750 mm wide is provided contiguous to any part of the ramp that pierces the deck (c) provision for movable barrier that separates (b) from deck (d) submerged portions of ramp and curb finished in shades that differentiate from each other & from the pool walls and bottom (e) ramp slope ≤ 11 per cent	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>