



Safety Codes Council

PART 7

CODE UPDATE INFORMATION

NBC 2019 AE Div B

September 2019

Safety Codes Council
500 10405 Jasper Ave. NW Edmonton, AB T5J-3N4
780-413-0099 | 1-888-413-0099
www.safetycodes.ab.ca

Review this document in conjunction with the National Building Code-2019 Alberta Edition.

ABC 2014	NBC(AE) 2019	Comments
<p>7.1.1.2. Application 1) This Part applies to the design, construction, extension, <i>alteration</i>, renewal or repair of a) <i>plumbing systems</i>, b) aquatic facilities, c) non-flammable medical gas piping systems, d) <i>food establishments and personal service facilities</i>, and e) laboratories using biological agents.</p>	<p>7.1.1.2. Application 1) This Part applies to the design, construction, extension, <i>alteration</i>, renewal or repair of a) <i>plumbing systems</i>, b) aquatic facilities, c) non-flammable medical gas piping systems, c) d) <i>food establishments and personal service facilities</i>, and d) e) laboratories using biological agents.</p>	<p>Relocated medical gas system to Subsection 3.7.3.</p>
<p>7.2.2.1. Fence and Gate Design and Construction 1) Except as provided in Sentence (7), the entire area of an outdoor <i>swimming pool</i> shall be protected by a fence, <i>building wall</i> or enclosure that can prevent access by unauthorized persons, and its height above the outside ground level shall be not less than a) 1.8 m for a <i>private swimming pool</i>, and b) 2.0 m for all other <i>swimming pools</i>. 2), 3),.....,7).</p>	<p>7.2.2.1. Fence and Gate Design and Construction 1) Except as provided in Sentence (7) <u>and except for wading pools</u>, the entire area of an outdoor <i>swimming pool</i> shall be protected by a fence, <i>building wall</i> or enclosure that can prevent access by unauthorized persons, and its height above the outside ground level shall be not less than a) 1.8 m for a <i>private swimming pool</i>, and b) 2.0 m for all other <i>swimming pools</i>. 2), 3),.....,7).</p>	
<p>7.2.3.4. Colour 1) Except for the lane, depth and orientation markings, the sides and bottom of a <i>swimming pool</i> shall be uniform and white in colour to provide clear visibility of <i>bathers</i>.</p>	<p>7.2.3.4. Colour 1) Except for the lane, depth and orientation markings, the sides and bottom of a <i>swimming pool</i> shall be uniform and white in colour to provide clear visibility of bathers <u>white or light pastel in colour, such that from the deck a bather is clearly visible on the swimming pool floor.</u></p>	
<p>7.2.3.13. Diving Boards or Platforms 7) The design of a diving board or platform and the corresponding water depths and clearances for a <i>semi-public swimming pool</i> shall be in accordance with ANSI/NSPI-1, "Public Swimming Pools."</p>	<p>7.2.3.13. Diving Boards or Platforms 7) The design of a diving board or platform and the corresponding water depths and clearances for a <i>semi-public swimming pool</i> shall be in accordance with ANSI/NSPI<u>APSP/ICC</u>-1, "Public Swimming Pools."</p>	
<p>7.2.3.15. Decks 6) A deck surface shall be slip-resistant when wet, sufficiently smooth to facilitate disinfecting, and finished so that there will be no discomfort to bare feet. (See Appendix A.)</p>	<p>7.2.3.15. Decks 6) A deck surface shall be slip-resistant when wet, <u>impervious to moisture</u>, sufficiently smooth to facilitate <u>cleaning and</u> disinfecting, and finished so that there will be no discomfort to bare feet. (See Appendix A <u>Note A-7.2.3.15.(6).</u>)</p>	
<p>7.2.3.24. Pool Outlets 1) Where a submerged pool outlet is provided, it shall be interconnected with not less than one other outlet, and these interconnected outlets shall be</p>	<p>7.2.3.24. Pool <u>Suction</u> Outlets 1) Where a submerged pool outlet is provided, it shall be interconnected with not less than one other outlet, and these interconnected outlets shall be</p>	

ABC 2014	NBC(AE) 2019	Comments																
<p>a) separated by a clear space of not less than 1 m, and b) hydraulically balanced.</p> <p>2) Each submerged outlet shall be protected in conformance with ANSI/APSP-16, “Standard Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs.”</p> <p>3) The velocity of the flow of water through an outlet shall be not more than 0.5 m/s.</p> <p>4) Where provided, vacuum fittings shall a) be located above the water level, and b) have protective covers.</p>	<p>a) separated by i) a clear space of not less than 1 m <u>o.c., or</u> ii) <u>being located on two different planes, not including any horizontal seating surface,</u> and b) hydraulically balanced.</p> <p>2) Each submerged outlet shall be protected in conformance with ANSI/APSP/ICC-16, “Standard Suction Fittings <u>Outlet Fitting Assemblies (SOFA)</u> for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs.”</p> <p>3) The velocity of the flow of water through an <u>Every submerged</u> outlet shall be <u>designed to accommodate</u> not more than 0.5 m/s. <u>less than the percentage of the suction system’s maximum design flow rate shown in Table 7.2.3.24.</u></p> <p style="text-align: center;"><u>Table 7.2.3.24.</u> <u>Minimum Flow Rate Capacities for Suction Outlets</u> <u>Forming Part of Sentence 7.2.3.24.(3)</u></p> <table border="1" data-bbox="1069 690 1999 990"> <thead> <tr> <th>Total Number of Interconnected Suction Outlets</th> <th>Minimum Required Percentage of Suction system’s Maximum Design Flow Rate through Each Suction Outlet</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">100%</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">50%</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">33%</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">25%</td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">20%</td> </tr> <tr> <td style="text-align: center;">> 6</td> <td style="text-align: center;">100%</td> </tr> <tr> <td></td> <td style="text-align: center;">(no. of interconnected suction outlets – 1)</td> </tr> </tbody> </table> <p>4) Where provided, vacuum fittings shall a) be located above the water level, and b) have protective covers.</p>	Total Number of Interconnected Suction Outlets	Minimum Required Percentage of Suction system’s Maximum Design Flow Rate through Each Suction Outlet	2	100%	3	50%	4	33%	5	25%	6	20%	> 6	100%		(no. of interconnected suction outlets – 1)	
Total Number of Interconnected Suction Outlets	Minimum Required Percentage of Suction system’s Maximum Design Flow Rate through Each Suction Outlet																	
2	100%																	
3	50%																	
4	33%																	
5	25%																	
6	20%																	
> 6	100%																	
	(no. of interconnected suction outlets – 1)																	
<p>7.2.4.4. Partitions and Walls 1) All <i>partitions</i> and walls between portions of the dressing room areas, screen <i>partitions</i>, shower, water closet cubicles and dressing room booths shall be of durable material not subject to damage by water and shall be so designed that a gap of not less than 150 mm above floor level is provided between the <i>partitions</i> and the floor. 2) Walls or <i>partitions</i> of wood construction shall be mounted not less than 200 mm above the finished floor.</p>	<p>7.2.4.4. Partitions and Walls 1) All <i>partitions</i> and walls between portions of the dressing room areas, screen <i>partitions</i>, shower, water closet cubicles <u>stalls</u> and dressing room booths shall be of durable material not subject to damage by water and shall be so designed that a gap of not less than 150 mm above floor level is provided between the <i>partitions</i> and the floor. 2) Walls or <i>partitions</i> of wood construction shall be mounted not less than 200 mm above the finished floor.</p>																	
<p>7.2.4.11. Semi-Public Swimming Pools and Water Spray Parks 1) Notwithstanding the requirements of this Subsection, a <i>semi-public swimming</i></p>	<p>7.2.4.11. Semi-Public Swimming Pools and Water Spray Parks 1) Notwithstanding the requirements of this Subsection, a <i>semi-public swimming pool</i> or <i>water spray park</i> is permitted to be installed and operated without providing a</p>																	

ABC 2014	NBC(AE) 2019	Comments
<p><i>pool or water spray park</i> is permitted to be installed and operated without providing a bathhouse, dressing room, lockers, showers, lavatory, urinal, or water closet if</p> <p>a) the summer camp, apartment <i>building</i>, condominium, private club, multiple housing unit, mobile home park, trailer park, or residential school is equipped with an adequate number of water closets, showers or baths, and lavatories, and</p> <p>b) the use of the <i>swimming pool or water spray park</i> is restricted entirely to registered guests, tenants, or members and their guests, except that if conditions exist, develop or are anticipated whereby the maintenance of satisfactory water quality is jeopardized, the <i>authority having jurisdiction</i> may require the installation of shower and water closet facilities.</p> <p>2) Notwithstanding the requirements of this Subsection, a flow-through <i>water spray park</i> is permitted to be constructed without dressing and sanitary facilities for <i>bathers</i>.</p>	<p>bathroom, dressing room <u>rooms</u>, lockers, showers, lavatory, urinal <u>lavatories, urinals</u>, or water closet <u>closets</u> if</p> <p>a) the summer camp, apartment <i>building</i>, condominium, private club, multiple housing unit, mobile home park, trailer park, or residential school is equipped with an adequate number of water closets, showers or baths, and lavatories, and</p> <p>b) the use of the <i>swimming pool or water spray park</i> is restricted entirely to registered guests, tenants, or members and their guests, except that if conditions exist, develop or are anticipated whereby the maintenance of satisfactory water quality is jeopardized, the <i>authority having jurisdiction</i> may require the installation of shower and water closet facilities.</p>	
<p>7.2.6.2. Whirlpools</p>	<p>7.2.6.2. Whirlpools <u>10) At least one emergency shutdown switch shall be located at pool side for use by the supervisory staff of a <i>whirlpool</i>.</u></p>	<p>Inserted new Sentences (10)</p>
<p>7.2.9.3. Doors</p> <p>1) A door to a steam room or sauna room shall</p> <p>a) be readily openable,</p> <p>b) swing outward from the room, and</p> <p>c) be designed, where a locking device is provided, to</p> <p>i) only be locked by authorized staff, and</p> <p>ii) be capable of unlocking from the inside of the room without requiring tight grasping and twisting of the wrist.</p>	<p>7.2.9.3. Doors</p> <p>1) A door to a steam room or sauna room shall</p> <p>a) be readily openable,</p> <p>c) swing outward from the room, and</p> <p>d) be designed, where a locking device is provided, to</p> <p>i) only be locked by authorized staff, and</p> <p>ii) be capable of unlocking <u>being unlocked</u> from the inside of the room <u>with one hand in a closed fist position</u>, without requiring tight grasping and <u>pinching with fingers, or</u> twisting of the wrist.</p>	
<p>Section 7.4. Food Establishments and Personal</p>	<p>Section 7.4. 7.3. Medical Gas Piping Systems <u>Food Establishments and Personal Service Facilities</u></p>	<p>Relocated medical gas system to Subsection 3.7.3. Renumbered sections 7.4 to 7.3</p>
<p>Section 7.5. Laboratories Using Biological Agents</p>	<p>Section 7.5.7.4. Food Establishments and Personal Service Facilities <u>Laboratories Using Biological Agents</u></p>	<p>Renumbered sections 7.5 to 7.4</p>