

**780 CMR: STATE BOARD OF BUILDING REGULATIONS AND STANDARDS
THE MASSACHUSETTS STATE BUILDING CODE (APPENDIX G - AG105.1-AG108)**



AG105.2 Outdoor private swimming pool: An outdoor private swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) above finished ground level measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51 mm) measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an above-ground pool, the barrier shall be at ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102 mm).
2. Openings in the barrier shall not allow passage of a 4-inch (102 mm) diameter sphere.
3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1-3/4 inches (44 mm) in width. Decorative cutouts spacing shall not exceed 1-3/4 inches (44 mm) in width.
5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing shall not exceed 1-3/4 inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a 2-1/4 inch (57 mm) square unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than 1-3/4 inches (44 mm).
7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall be not more than 1-3/4 inches (44 mm).
8. Access gates shall comply with the requirements of Section AG105.2 Items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate; (8.1) the release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate; and (8.2) the gate and barrier shall have no opening larger than 1/2 inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.
9. Where a wall of a dwelling serves as part of the barrier, one of the following conditions shall be met:
 - 9.1. The pool shall be equipped with an approved power safety cover in compliance with ASTM F 1346.
 - 9.2. All doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and its screen, if present, are opened. The audible warning shall commence not more than seven seconds after the door and screen door, if present, are opened and shall sound continuously for a minimum of 30 seconds. The alarm shall have a minimum sound pressure rating of 85 dba at 10 feet (3048 mm) and the sound of the alarm shall be distinctive from other household sounds such as smoke alarms, telephones and door bells. The alarm shall automatically reset under all conditions. The alarm shall be equipped with manual means, such as touchpads or switches, to deactivate temporarily the alarm for a single opening from either direction. Such deactivation shall last for not more than 15 seconds. The deactivation touchpads or switches shall be located at least 54 inches (1372 mm) above the threshold of the door.
10. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps, 10.1: The ladder or steps shall be capable of being secured, locked or removed to prevent access; 10.2: The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AG105.2, Items 1 through 9. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4 inch diameter (102) sphere.

AG105.3 Indoor swimming pool: Walls surrounding an indoor swimming pool shall comply with Section AG105.2, Item 9.

AG105.4 Prohibited locations: Barriers shall be located so as to prohibit permanent structures, equipment or similar objects from being used to climb the barriers.

AG106.1 Entrapment avoidance: Suction outlets shall be designed and installed in accordance with ANSI/APSP-7.

	<p>The Commonwealth of Massachusetts State Board of Building Regulations and Standards Mass State Building Code Appendix G – AG105.1-AG108</p>		<p>City of Lynn Inspectional Services Department Room 401, Lynn City Hall, Lynn, MA 01901 781-598-4000 ~~ FAX: 781-477-7031 Website: lynnisd.com</p>	<p>Approval Stamp</p>
APPLICATION FOR SWIMMING POOL PERMIT				
An electrical permit must be issued prior to the Building Permit.				
This Section For Official Use Only				
Building Permit Number:			Date Issued:	
Signature: _____ Building Commissioner / Inspector of Buildings			Date	
SECTION 1 - SITE INFORMATION				
1.1 Property Address:			1.2 Assessor's Map & Parcel Number:	
			Map Number Block Number Lot Number	
1.3 Zoning Information:			1.4 Property Dimensions:	
Zoning District	Property Use	Ward	Lot Area (square feet)	Frontage (feet)
1.5 POOL SETBACKS (FT)				
Distance from primary structure		Distance from side yard		Distance from rear yard
Required	Provided	Required	Provided	Required
SIX'		SIX'		SIX'
1.6 POOL INFORMATION			This section for official use only	
Size of Pool:		Material of Pool:		<input type="checkbox"/> RP1 – Plastic Liner
<input type="checkbox"/> In Ground Pool		Estimated Cost:		<input type="checkbox"/> RP2 – Prefab Vinyl
<input type="checkbox"/> Above Ground Pool		Location of Fence:		<input type="checkbox"/> RP3 – Reinforced Conc.
Height of Fence:		Perimeter <input type="checkbox"/> Pool <input type="checkbox"/>		<input type="checkbox"/> RP4 - Fiberglass
Four Ft. <input type="checkbox"/> Six Ft. <input type="checkbox"/>				<input type="checkbox"/> RP5 - Gunite
SECTION 2 - PROPERTY OWNERSHIP				
Owner of Record:				
Name (Print Name)		City, State, ZIP		
Number and Street Name		Telephone Number		Email Address
SECTION 3 – INSTALLATION SERVICES				
Pool Company Information:			HOME IMPROVEMENT INFO	
Company Name (Print Name)			Registration Number	
Company Address			Expiration Date	
Installer Info – Owner/Contractor:			This Section for official use only	
Name			Estimated Cost:	
Address			Item	Multiplier
			Building	
			Electrical	
Signature of Applicant			Plumbing	
Telephone Number			Total	
To be completed by Inspectional Services Department:				
1.	Will swimming pool conform to the requirements of Building and Zone Laws?			<input type="checkbox"/> Yes
2.	Pool Plans and/or Specifications submitted?			<input type="checkbox"/> No
3.	Plot Plan submitted?			<input type="checkbox"/> Yes
				<input type="checkbox"/> No