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| ***LICENSING OF AQUATIC VENUES******216-RICR-50-05-4******AQUATIC VENUE DESIGN COMPLIANCE FORM – NEW VENUE*** |
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| ***Instructions: This AQUATIC VENUE DESIGN COMPLIANCE FORM – NEW VENUE must be completed in its entirety and submitted as an attachment to the application package for the construction of a new aquatic venue. Where PE signature is required, the signer must be a Professional Engineer with an active Rhode Island license. In signing this form, the PE certifies that the design of the proposed aquatic venue conforms with the requirements set forth in 216-RICR-50-04, including the design elements of Section 4.0 of the 2018 Model Aquatic Health Code and restrictions placed thereon. If a waiver from the Model Aquatic Health Code design requirements is requested, the applicant must identify the subsection of the code from which the applicant seeks the waiver and must provide justification for the request. WAIVERS TO DESIGN REQUIREMENTS ARE GRANTED AT THE SOLE DISCRETION OF THE RHODE ISLAND DEPARTMENT OF HEALTH.*** ***Read all instructions shown in gray as you work through this form. Definitions for terms used in this form can be found in Section 4.2 of 216-RICR-50-05-4.******Incomplete and/or unsigned forms will be returned.***  |
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| Project name |  |  |
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| ***To complete the following section, refer to 216-RICR-50-05-4, Licensing of Aquatic Venues. In signing this form, the PE acknowledges the incorporation of the following codes and standards:*** |
|  **Section 4.1.3** |  |  **INCORPORATION BY REFERENCE** |
| **A** |  | **2018 MODEL AQUATIC HEALTH CODE** |  | These regulations hereby adopt and incorporate the U.S. Department of Health and Human Services Centers for Disease Control and Prevention’s “2018 Model Aquatic Health Code” (July 2018) § 4.0, Facility Design and Construction Standards, by reference, and those sections of the Model Aquatic Health Code cross-referenced therein, not including any further editions or amendments thereof and only to the extent that the provisions therein are not inconsistent with these regulations. Signature in the block to the right serves as acknowledgement of this design requirement of 216-RICR-50-05-4 Section 4.1.3(A). |  | **PE SIGNATURE**  |
| **B** |  | **STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER** |  | These regulations hereby adopt and incorporate the American Public Health Association/American Water Association/Water Environmental Federation’s “Standard Methods for the Examination of Water and Wastewater, 23rd Edition” (2017) by reference, not including any further editions or amendments thereof and only to the extent that the provisions therein are not inconsistent with these regulations. Signature in the block to the right serves as acknowledgement of this design requirement of 216-RICR-50-05-4 Section 4.1.3(B). |  | **PE SIGNATURE**  |
| **C** |  | **NSF INTERNATIONAL** |  | These regulations hereby adopt and incorporate the NSF International Standard/American National Standard’s “NSF/ANSI 50 – 2016a, Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities” (2017) by reference, not including any further editions or amendments thereof and only to the extent that the provisions therein are not inconsistent with these regulations. Signature in the block to the right serves as acknowledgement of this design requirement of 216-RICR-50-05-4 Section 4.1.3(C).  |  | **PE SIGNATURE**  |
|  **Section 4.3.12** |  |  **LIFEGUARDS** |
| **B** |  | **LIFEGUARD OVERSIGHT** |  | Aquatic Venues that operate without lifeguards must comply with the requirements of §§ 4.5.14(H), 4.5.14(I)(3), 4.5.14(J), 4.6.6(D) and 4.6.8(C) of this Part. Signature in the block to the right serves as acknowledgement of this design requirement of 216-RICR-50-05-4 Section 4.3.12(B). |  | **PE SIGNATURE**  |
|  **Section 4.4** |  | **Design Standards and Construction Requirements for New Aquatic Facilities and Aquatic Venues; for Substantial Alterations to Existing Aquatic Facilities and Aquatic Venues; for Non-Substantial Alterations to Existing Aquatic Facilities and Aquatic Venues; and for In-Kind Replacements (ADOPTION OF 2018 MODEL AQUATIC HEALTH CODE, SECTION 4.0, AQUATIC FACILITY DESIGN STANDARDS AND CONSTRUCTION)** |
| ***Application packages for proposed Aquatic Venues must include the following elements listed in Section 4.1 of the 2018 Model Aquatic Health Code. Use the boxes to the right in the following section to indicate where these elements can be found in your application package.*** |
| **MAHC Citation** |  | **Application reference (e.g., drawing number, document name, page number).** |
|  **MAHC 4.1.1.1** |  | AQUATIC FACILITY construction plans shall be designed to provide sufficient clarity to indicate the location, nature, and extent of the work proposed. |  |   |
|  **MAHC 4.1.1.2** |  | AQUATIC FACILITY construction plans shall show in detail that it will conform to the provisions of this CODE and relevant laws, ordinances, rules, and regulations, as determined by the AHJ and to protect the health and SAFETY of the facility’s BATHERS and PATRONS. |  |   |
| **MAHC Citation** |  | **Application reference (e.g., drawing number, document name, page number).** |
|  **MAHC 4.1.1.3** |  | No person shall begin to construct a new AQUATIC FACILITY or shall SUBSTANTIALLY ALTER an existing AQUATIC FACILITY without first having the construction plans detailing the construction or SUBSTANTIAL ALTERATION submitted to and approved by the AHJ. |  |   |
|  **MAHC 4.1.1.4** |  | All plans shall be prepared by a design professional who is registered or licensed to practice their respective design profession as defined by the state or local laws governing professional practice within the jurisdiction in which the project is to be constructed. (For further definition, refer to 4.5.1[A] of 216-RICR-50-05-04, Licensing Aquatic Venues.)  |  |   |
|  **MAHC 4.1.1.5** |  | All construction plans shall include the following statements:1) “The proposed AQUATIC FACILITY and all equipment shall be constructed and installed in conformity with the approved plans and specifications or approved amendments,” and2) “No SUBSTANTIAL ALTERATION, changes, additions, or equipment not specified in the approved plans can be made or added until the plans for such SUBSTANTIAL ALTERATION, changes, additions, or equipment are submitted to and approved by the AHJ.” |  |   |
|  **MAHC 4.1.2.1.1** |  | AQUATIC FACILITY plans shall include the name, address, and contact information for the owner, designer, and builder if available at the time of submission. |  |   |
|  **MAHC 4.1.2.1.2** |  | AQUATIC FACILITY plans shall include site information indicating at a minimum the location of all utilities, wells, topography, natural water features, and potential sources of surface drainage and pollution which may affect the proposed AQUATIC FACILITY. |  |   |
|  **MAHC 4.1.2.1.3** |  | AQUATIC FACILITY plans shall include a site plot plan including:1) A general map and detailed scaled drawings of the AQUATIC FACILITY site plan or floor plan with detailed locations of the AQUATIC VENUES and AQUATIC FEATURES; and2) The locations of all water supply facilities, sources of drinking water, public or private sewers, and relative elevations of paved or other walkways and the EQUIPMENT ROOM floor shall be shown on the plans with the elevations of storm and sanitary sewer inverts and street grade. |  |   |
|  **MAHC 4.1.2.2.1** |  | Detailed scaled and dimensional drawings for each individual AQUATIC VENUE shall include an AQUATIC VENUE area plan and layout plan along with dimensioned longitudinal and transverse cross sections of the AQUATIC VENUE. |  |   |
|  **MAHC 4.1.2.2.1.1** |  | The design documents shall include a record of operating conditions (water temperature(s), space temperature, space relative humidity, space dew point) and intended use for each type of venue (FLAT WATER, AGITATED WATER, HOT WATER) accepted by both the design engineer and owner/operator. |  |   |
|  **MAHC 4.1.2.2.2** |  | Detailed scaled and dimensional drawings for each individual AQUATIC VENUE shall include location and type of:1) Inlets2) Overflows3) Drains4) Suction outlets5) Overflow gutters or devices6) Piping7) Designed POOL water elevation8) AQUATIC FEATURES such as ladders, stairs, diving boards, SLIDES, and play features9) Lighting10) POOL markings11)Surface materials |  |   |
|  **MAHC 4.1.2.2.3** |  | Detailed scaled and dimensional drawings of the AQUATIC FACILITY and for each individual AQUATIC VENUE, as appropriate, shall include location and type of:1) Design of DECK, curb, or walls enclosing the AQUATIC VENUE2) DECK drains3) Paved walkways and other hardscape features4) Non-slip flooring5) AQUATIC VENUE area finishes6) Drinking fountains or other sources of drinking water7) Entries and exits8) Hose bibs9) Fences 10) Telephones11) Area lighting |  |   |
| **MAHC Citation** |  | **Application reference (e.g., drawing number, document name, page number).** |
|  **MAHC 4.1.2.2.4** |  | Detailed scaled and dimensional drawings for each individual AQUATIC VENUE shall contain a flow diagram showing the location, plan, elevation, and schematics of:1) Filters2) Pumps3) Chemical feeders and interlocks4) Chemical controllers and interlocks5) Secondary DISINFECTION systems, if required6) Supplemental DISINFECTION systems, if installed7) Ventilation devices or AIR HANDLING SYSTEMS8) Heaters9) Surge tanks, including operating levels10) BACKFLOW prevention assemblies and air gaps11)Valves12)Piping13) Flow meters14) Gauges15) Thermometers16) Test cocks 17) Sight glasses18) Drainage system for the disposal of AQUATIC VENUE water and filter wastewater |  |   |
|  **MAHC 4.1.2.2.5** |  | Detailed scaled and dimensional drawings for each individual AQUATIC VENUE shall contain a schematic layout of the AQUATIC VENUE EQUIPMENT ROOM (or equipment area if permitted by the local AHJ) showing accessibility for installation and maintenance. |  |   |
|  **MAHC 4.1.2.2.6** |  | Detailed scaled and dimensional drawings for each individual AQUATIC VENUE shall contain a schematic layout of the AQUATIC FACILITY CHEMICAL STORAGE SPACE(S). |  |   |
|  **MAHC 4.1.2.2.7** |  | Detailed scaled and dimensional drawings for each AQUATIC FACILITY shall show the location and number of all available HYGIENE FACILITIES provided including dressing rooms, lockers and basket STORAGE, SHOWERS, lavatory, toilet FIXTURES, and DIAPER-CHANGING STATIONS. |  |   |
|  **MAHC 4.1.2.3.1** |  | Technical specifications for the construction of each AQUATIC VENUE and all appurtenances shall accompany the drawings for the AQUATIC FACILITY plans. |  |   |
|  **MAHC 4.1.2.3.2** |  | The following technical specifications shall be provided for each AQUATIC FACILITY:1) POOL water temperatures2) Space design3) Dry bulb and dew point temperatures4) Relative humidity |  |   |
|  **MAHC 4.1.2.3.2.1** |  | Each AQUATIC VENUE shall include all construction details not shown on the plans that relate to the AQUATIC FACILITY. |  |   |
|  **MAHC 4.1.2.3.2.2** |  | Design of the ventilation and AIR HANDLING SYSTEMS for INDOOR AQUATIC FACILITIES shall include consultation with, and input by, the owner/operator to address intended use, type of venue (FLAT WATER, AGITATED WATER, HOT WATER) and intended typical operating water temperature. |  |   |
|  **MAHC 4.1.2.3.3** |  | The technical specifications for each AQUATIC FACILITY shall include the sources of all water supplies. |  |   |
|  **MAHC 4.1.2.3.4** |  | Technical specifications shall include the water surface area and volume of each AQUATIC VENUE and associated water features, if applicable. |  |   |
|  **MAHC 4.1.2.3.5** |  | The technical specifications for each AQUATIC FACILITY and each AQUATIC VENUE shall include the THEORETICAL PEAK OCCUPANCY, respectively. |  |   |
|  **MAHC 4.1.2.3.5.1** |  | The THEORETICAL PEAK OCCUPANCY for an AQUATIC VENUE shall be used for designing systems that serve BATHERS and PATRONS. (Note: The specified density factors are the lower limits for determining THEORETICAL PEAK OCCUPANCY.) |  |   |
|  **MAHC 4.1.2.3.5.2** |  | The THEORETICAL PEAK OCCUPANCY for an AQUATIC FACILITY shall be used for designing systems that serve BATHERS and PATRONS and shall incorporate non-water related areas such as DECKS and other adjacent portions of the AQUATIC FACILITY not associated with theAQUATIC VENUE. |  |   |
| **MAHC Citation** |  | **Application reference (e.g., drawing number, document name, page number).** |
|  **MAHC 4.1.2.3.5.3** |  | The THEORETICAL PEAK OCCUPANCY shall be calculated by dividing the surface area in square feet of the AQUATIC VENUE by the density factor (D) that fits the specific AQUATIC VENUE being considered. Theoretical Peak Occupancy = Aquatic Venue Surface Area / D The density factors (D) are:Water/BATHER-related:1) FLAT WATER density factor = 20 ft2 (1.9 m2) per BATHER.2) AGITATED WATER density factor = 15 ft2 (1.4 m2) per BATHER.3) HOT WATER density factor = 10 ft2 (0.9 m2) per BATHER.4) WATERSLIDE LANDING POOL density factor = manufacturer-established capacity at any given time.5) INTERACTIVE WATER PLAY water density factor = 10 ft2 (0.9 m2) per BATHER on surface.6) SURF POOL density factor = manufacturer-established capacity at any given time.7) Non-water/PATRON-related8) DECK density factor = 50 ft2 (4.6 m2) per BATHER.9) STADIUM SEATING density factor = 6.6 ft2 (0.6 m2) per BATHER. |  |   |
|  **MAHC 4.1.2.3.5.3.1** |  | The density factors in MAHC 4.1.2.3.5.3 may be modified for higher BATHER or PATRON density, but they shall not be modified to result in less BATHERS per square foot than listed for the factors in MAHC 4.1.2.3.5.3. |  |   |
|  **MAHC 4.1.2.3.5.3.2** |  | The THEORETICAL PEAK OCCUPANCY for an AQUATIC FACILITY shall be determined by adding the calculations for each AQUATIC VENUE in the AQUATIC FACILITY. |  |   |
|  **MAHC 4.1.2.3.6** |  | The technical specifications and supplemental engineering data for each AQUATIC FACILITYand each AQUATIC VENUE shall include:1) Detailed information on the type, size, operating characteristics, and rating of all mechanical and electrical equipment;2) Hydraulic computations for head loss in all piping and recirculation equipment; 3) Pump curves that demonstrate that the selected recirculation pump(s) are adequate for the calculated required flows; 4) For INDOOR AQUATIC FACILITIES, documentation that demonstrates that the INDOOR AQUATIC FACILITY is designed to meet the acoustic design criteria contained in MAHC 4.6.11; and5) Documentation per MAHC 4.7.3.2.2.3 to demonstrate that the selected DISINFECTANT feeders/equipment are of sufficient size and capacity, including evaluation of the CHLORINE demand factors in MAHC 4.7.3.2.2.2. |  |   |
|  **MAHC 4.1.2.3.7** |  | The technical specifications for each AQUATIC VENUE shall include the recirculation rate and TURNOVER TIME |  |   |
|  **MAHC 4.1.2.3.8** |  | The technical specifications for each AQUATIC VENUE shall include information on the filter media such as diatomaceous earth, sand, gravel or other approved material. |  |   |
|  **MAHC 4.1.2.3.9** |  | The technical specifications for each AQUATIC VENUE shall include information on each piece of equipment associated with that AQUATIC VENUE. |  |   |
|  **MAHC 4.1.2.3.10** |  | The technical specifications for each AQUATIC FACILITY shall include information on all aquatic SAFETY equipment. |  |   |
|  **MAHC 4.1.2.3.11** |  | The layout for zones of PATRON surveillance as specified in MAHC 6.3.3.1.1 shall be included and must show features or design configurations that can impact PATRON surveillance. |  |   |
|  **MAHC 4.1.2.3.12** |  | The technical specifications for each AQUATIC FACILITY and each AQUATIC VENUE shall include additional information related to the project requested by the AHJ for the purposes of the construction of the AQUATIC FACILITY and each AQUATIC VENUE and all appurtenances. |  |   |
| ***To complete the following table, refer to the requirements of the 2018 Model Aquatic Health Code, Sections 4.2 through 4.12, including all subsections. IMPORTANT: The Rhode Island Department of Health has placed restrictions on certain design elements presented in the MAHC. These restrictions are located in Section 4.5 of 216-RICR-50-05-4 and in the next section of this form. In signing this section, the PE certifies that the design of this Aquatic Venue incorporates Sections 4.2 through 4.12 of the 2018 MAHC and any restrictions placed thereon.***  |
|  **MAHC 4.2** |  | **MATERIALS**All materials for the proposed AQUATIC VENUE, including those materials specific to indoor AQUATIC VENUES, comply with the requirements set forth in MAHC Section 4.2, with the exception of the following requested variances to MAHC 4.2 and any restrictions listed in Section 4.5 of 216-RICR-50-05-4. |  | **VARIANCES REQUESTED AND EXPLANATION**  |  | **PE SIGNATURE**  |
|  **MAHC 4.3** |  | **EQUIPMENT STANDARDS**Equipment selected for the proposed AQUATIC VENUE comply with the requirements set forth in MAHC Section 4.3, with the exception of the following requested variances to MAHC 4.3 and any restrictions listed in Section 4.5 of 216-RICR-50-05-4.  |  | **VARIANCES REQUESTED AND EXPLANATION**  |  | **PE SIGNATURE**  |
|  **MAHC 4.5** |  | **AQUATIC VENUE STRUCTURE**The design for the proposed AQUATIC VENUE, including risk management considerations, bottom slope, pool access/egress, stairs, handrails, grab rails, recessed steps, ladders, zero depth (sloped) entries, disabled access, color and finish, walls, structural stability, handholds, infinity edges, underwater benches, underwater ledges, underwater shelves, depth markers and markings, and the additional requirements for special use aquatic venues, comply with the requirements set forth in MAHC Section 4.5, with the exception of the following requested variances to MAHC 4.5 and any restrictions listed in Section 4.5 of 216-RICR-50-05-4. |  | **VARIANCES REQUESTED AND EXPLANATION**  |  | **PE SIGNATURE**  |
|  **MAHC 4.6** |  | **INDOOR/OUTDOOR ENVIRONMENT**Lighting, indoor aquatic venue ventilation, indoor/outdoor aquatic venue electrical system components, pool water heating, first aid area, emergency exit, drinking fountains, garbage receptacles, food and drink concessions, and spectator areas for the proposed AQUATIC VENUE comply with the requirements set forth in MAHC Section 4.6, with the exception of the following requested variances to MAHC 4.6 and any restrictions listed in Section 4.5 of 216-RICR-50-05-4. |  | **VARIANCES REQUESTED AND EXPLANATION**  |  | **PE SIGNATURE**  |
|  **MAHC 4.7** |  | **RECIRCULATION AND WATER TREATMENT**Recirculation systems and equipment, filtration, disinfection and pH control, and the water replenishment system for the proposed AQUATIC VENUE, as well as additional requirements for proposed spas, comply with the requirements of MAHC 4.7, with the exception of the following requested variances to MAHC 4.7 and any restrictions listed in Section 4.5 of 216-RICR-50-05-4. |  | **VARIANCES REQUESTED AND EXPLANATION**  |  | **PE SIGNATURE**  |
|  **MAHC 4.8** |  | **DECKS AND EQUIPMENT**Decks, diving boards and diving platforms, starting platforms, pool slides, lifeguard and safety-related equipment, barriers and enclosures, and aquatic venue cleaning systems for the proposed AQUATIC VENUE comply with the provisions of MAHC 4.8, with the exception of the following requested variances to MAHC 4.8 and any restrictions listed in Section 4.5 of 216-RICR-50-05-4.  |  | **VARIANCES REQUESTED AND EXPLANATION**  |  | **PE SIGNATURE**  |
|  **MAHC 4.9** |  | **FILTER/EQUIPMENT ROOM**The equipment room and chemical storage areas for the proposed AQUATIC VENUE comply with the provisions of MAHC 4.9, with the exception of the following requested variances to MAHC 4.9 and any restrictions listed in Section 4.5 of 216-RICR-50-05-4. |  | **VARIANCES REQUESTED AND EXPLANATION**  |  | **PE SIGNATURE**  |
|  **MAHC 4.10** |  | **HYGIENE FACILITIES**The location; design and construction; plumbing fixtures; the incorporation of adequate space for VENUES that supply reusable suits, towels, and shared equipment; the provision of sharps containers; the prohibition of food baths; and design features that satisfy general hygiene facility requirements for the proposed AQUATIC VENUE comply with the provisions of MAHC 4.10, with the exception of the following requested variances to MAHC 4.10 and any restrictions listed in Section 4.5 of 216-RICR-50-05-4. |  | **VARIANCES REQUESTED AND EXPLANATION**  |  | **PE SIGNATURE** |
|  **MAHC 4.11** |  | **WATER SUPPLY/WASTEWATER DISPOSAL**Water supply, fill spout, cross-connection control, deck drains and rinse showers, sanitary waste disposal, and pool wastewater disposal for the proposed facility comply with the provisions of MAHC 4.11, with the exception of the following requested variances to MAHC 4.11 and any restrictions listed in Section 4.5 of 216-RICR-50-05-4. |  | **VARIANCES REQUESTED AND EXPLANATION**  |  | **PE SIGNATURE**  |
|  **MAHC 4.12** |  | **SPECIFIC AQUATIC VENUES**In addition to compliance with MAHC Sections 4.2-MAHC 4.11, proposed spas, waterslides and landing pools, wave pools, therapy pools, lazy rivers, moveable floors, bulkheads, interactive water play venues, wading pools, and other aquatic features not otherwise addressed in the MAHC also comply with the provisions of MAHC 4.12, with the exception of the following requested variances to MAHC 4.12 and any restrictions listed in Section 4.5 of 216-RICR-50-05-4. |  | **VARIANCES REQUESTED AND EXPLANATION**  |  | **PE SIGNATURE**  |
| ***The following table lists the restrictions located in Section 4.5 of 216-RICR-50-05-4. Be sure to circle the appropriate response where indicated and to sign at the bottom of the table. In signing this section, the PE certifies that the restrictions located in Section 4.5 of 216-RICR-50-05-4 have been incorporated into the design of this Aquatic Venue.*** |
| **Section 4.5.1** |  |  **GENERAL** |
| **A** |  | Model Aquatic Health Code references to “design professional who is registered or licensed to practice their respective design profession” shall mean a Professional Engineer with an active Rhode Island registration. (Restriction on MAHC § 4.0) |
| **B** |  | Recirculation of unfiltered and/or untreated water is prohibited. (Restriction on MAHC § 4.7.1.10.2.1) |
| **C** |  | Aquatic Venues with infinity edges shall satisfy the enclosure requirements of § 4.5.14 of this Part and shall provide for a permanent, fixed safety barrier not less than five (5) feet in height at the infinity edge to protect against falls from the infinity edge. (Restriction on MAHC § 4.5.15) **Circle appropriate selection: Feature present Feature not present** |
| **D** |  | Food and/or beverage concessions shall be permitted in designated area(s) within the Aquatic Facility provided that the concession structures, service area, seating, patron circulation and related activities are separated from the Aquatic Venue by a permanent, fixed barrier that does not encroach on the Aquatic Venue’s perimeter walkway. (Restriction on MAHC § 4.6.9.1) **Circle appropriate selection: Feature present Feature not present** |
| **E** |  | The Applicant shall coordinate review with all other agencies from which the Applicant is required to obtain approval. The Applicant shall provide copies to the Licensing Agency of permits issued by other agencies if the Licensing Agency so requests. (Restriction on § MAHC 4.1.3.1.2) |
| **F** |  | The Applicant shall communicate Licensing Agency approvals to other agencies involved in the construction of an Aquatic Facility or Aquatic Venue. (Restriction on MAHC § 4.1.3.1.3) |
| **G** |  | In cases where the Aquatic Facility or Aquatic Venue is exempt from Americans with Disabilities Act standards, the owner shall provide written documentation to the Licensing Agency attesting to such exemption at the time of application for construction or substantial alteration to an Aquatic Facility or Aquatic Venue. (Restriction on MAHC § 4.5.10). |
| **H** |  | The Licensing Agency shall conduct a conformance inspection of newly constructed Aquatic Facilities and Aquatic Venues, and substantially altered Aquatic Facilities and Aquatic Venues, upon completion of construction or renovation. The Licensing Agency shall not issue a license to operate until the Applicant has corrected, to the satisfaction of the Licensing Agency, all deficiencies identified during the inspection. (Restriction on MAHC § 4.1.5.3) |
| **Section 4.5.2** |  | **SKIMMER SYSTEMS**  **Circle appropriate selection: Feature present Feature not present** |
| **A** |  | Skimmer systems shall include a minimum of two skimmers. |
| **B** |  | The piping and other pertinent components of a skimmer system shall be sized based on 100 percent of recirculation flow being directed through the skimmer system at the maximum possible recirculation flow rate as determined by pump capacity and minimum total dynamic head of the recirculation system. (Restriction on MAHC § 4.7.1.5.1.4) |
| **C** |  | Each skimming device shall be equipped with an equalizer pipe located at least one (1) foot below the lowest skimmer overflow level, or some other device to prevent air lock in the skimmer suction line. (Restriction on MAHC § 4.7.1.5) |
| **Section 4.5.3** |  | **OVERFLOW GUTTERS** **Circle appropriate selection: Feature present Feature not present** |
| **A** |  | Overflow gutters extending completely around a pool shall be provided on all pools having a water surface area of 4,000 square feet or more. (Restriction on MAHC § 4.7.1.5.1.5) |
| **B** |  | The gutter system shall be designed to allow continuous removal of water from the pool’s upper surface based on 125 percent of recirculation flow being directed through the gutter system at the maximum possible recirculation flow rate as determined by pump capacity and minimum total dynamic head of the recirculation system. (Restriction on MAHC § 4.7.1.4.2.1) |
| **C** |  | A gutter system shall provide an acceptable handhold for bathers and present no accident hazard to bathers. (Restriction on MAHC § 4.5.14.1) |
| **Section 4.5.4** |  | **ACCESS AND EGRESS** |
|  |  | There shall be at least one means of access and egress located at the shallow end of a swimming pool and at least one means of access and egress located at the deep end of a swimming pool. (Restriction on MAHC § 4.5.3.1) |
| **Section 4.5.5** |  | **LANE MARKINGS** **Circle appropriate selection: Feature present Feature not present** |
|  |  | The Applicant shall state the basis of design for lane markings and end wall targets, such as FINA, NCAA, USA Swimming, NFSHSA, or another recognized standard. (Restriction on MAHC § 4.2.1.4) |
| **Section 4.5.6** |  | **DIVING AREA** **Circle appropriate selection: Feature present Feature not present** |
|  |  | Platforms and diving stands that are over three (3) feet high shall be equipped with guard rails. (Restriction on MAHC § 4.8.2.2.3) |
| **Section 4.5.7** |  | **THEORETICAL PEAK OCCUPANCY** |
|  |  | Three hundred (300) square feet of pool water surface area shall be reserved around each diving board or platform. This area shall not be included in determining the bather load capacity. (Restriction on MAHC § 4.1.2.3.5.3) |
| **Section 4.5.8** |  | **ELECTRICAL REQUIREMENTS** |
|  |  | All electrical wiring for Aquatic Venues shall comply with R.I. Gen. Laws Chapter 23-27.3. |
| **Section 4.5.9** |  | **HEATER REQUIREMENTS** **Circle appropriate selection: Feature present Feature not present** |
| **A** |  | Water heaters shall have a seal of approval from a standards testing agency such as the American National Standards Institute (ANSI-Z-21.56) or the Underwriters Laboratory (UL 1261). (Restriction on MAHC § 4.6.4) |
| **B** |  | Electrically operated water heaters shall comply with § 4.5.8 of this Part. (Restriction on MAHC § 4.6.4) |
| **C** |  | Water heaters shall be equipped with a thermostatic control for the water temperature and shall be set at a temperature not to exceed 104°F. (Restriction on MAHC § 4.6.4) |
| **D** |  | A fixed thermometer shall be installed on the discharge side of the heater. (Restriction on MAHC § 4.6.4) |
| **Section 4.5.10** |  | **PRE-COAT FILTERS** **Circle appropriate selection: Feature present Feature not present** |
| **A** |  | Pressure pre-coat filters shall be equipped with a pre-coat pot for the purpose of introducing filter aid to form a pre-coat evenly over the filter elements when a filter is put into initial operation and after each cleaning. (Restriction on MAHC § 4.7.2.3) |
| **B** |  | The filter plant shall be provided with such pressure, vacuum, or compound gauges as are required to indicate the condition of the filter. An air relief valve shall be provided at the high point of a pressure pre-coat filter. (Restriction on MAHC § 4.7.2.3) |
| **C** |  | Vacuum pre-coat filter installations shall be equipped with an adjustable high vacuum automatic shutoff to prevent damage to the pump by cavitation. (Restriction on MAHC § 4.7.2.3) |
| **Section 4.5.11** |  | **VACUUM CLEANING** |
|  |  | An existing aquatic venue that has an integral vacuum system as described by MAHC § 4.8.7.3 of the Model Aquatic Health Code shall be required to make, upon determination by the Department in its sole discretion that such configuration is present, all alterations necessary to comply with MAHC § 4.8.7. (Restriction on MAHC § 4.8.7.3) |
| **Section 4.5.12** |  | **HYGIENE FACILITIES AND HYGIENE FEATURES** **Circle appropriate selection: Design includes hygiene features Appropriate hygiene features already present** |
| **A** |  | The minimum number of lavatories and water closets provided for each sex shall be equal to no less than one (1) per sixty (60) bathers based on maximum bather load. (Restriction on MAHC § 4.10.1.4) |
| **B** |  | The minimum number of cleansing showers provided for each sex shall be equal to no less than one (1) per forty (40) bathers based on maximum bather load. (Restriction on MAHC § 4.10.1.4) |
| **C** |  | Urinals for male bathers may be substituted for up to one-third the number of water closets required where more than one water closet is required. (Restriction on MAHC § 4.10.1.4) |
| **D** |  | The Licensing Agency may increase the number of required fixtures for Aquatic Facilities at schools or other locations where scheduling of facility use warrants special consideration. (Restriction on MAHC § 4.10.1.4) |
| **Section 4.5.13** |  | **WADING POOLS ONLY -- DEPTH MARKERS AND DIVING RESTRICTIONS**  |
|  |  | A minimum of one (1) water depth marker and one (1) no-diving marker is required for all wading pools. (Restriction on MAHC § 4.5.19.8) **Circle appropriate selection: Venue is not a wading pool Venue is a wading pool** |
| **Section 4.5.14** |  | **ENCLOSURES AND BARRIERS** **Circle appropriate selection: Venue is located outdoors Venue is located indoors** |
| **A** |  | The maximum vertical clearance between grade and the bottom of an outdoor Aquatic Venue enclosure shall be no greater than two (2) inches, measured on the side of the enclosure which faces away from the Aquatic Venue. (Restriction on § MAHC 4.8.6.2) |
| **B** |  | Openings in the enclosure structure shall not allow passage of a four (4) inch diameter sphere. (Restriction on MAHC § 4.8.6.2) |
| **C** |  | Solid enclosures that do not have openings, such as a masonry or stone walls, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints. (Restriction on MAHC § 4.8.6.2) |
| **D** |  | Where the enclosure is composed of horizontal and vertical members, the distance between the tops of the horizontal members must be 45 inches or more, and the distance between the vertical members shall not exceed 4 inches. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed one and three-fourths (1 3/4) inches in width. (Restriction on MAHC § 4.8.6.2) |
| **E** |  | Where the enclosure is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall be no more than one and three-fourths (1 and 3/4) inches. (Restriction on MAHC § 4.8.6.2) |
| **F** |  | Enclosures constructed with chain-link fencing shall have a maximum mesh opening of two and one-fourth (2 and 1/4) square inches unless the enclosure is provided with slats fastened at the top or the bottom which reduce the openings to no more than one and three-fourths (1 and 3/4) square inches. (Restriction on MAHC § 4.8.6.2.1.2) |
| **G** |  | Release mechanisms for self-latching devices must be located no less than fifty-four (54) inches from the bottom of the gate. (Restriction on MAHC § 4.8.6.3.7) |
| **H** |  | Enclosures for outdoor Aquatic Venues operating without lifeguards shall comply with R.I. Gen. Laws §§ 23-22-6(b)1 and 23-22-6(b)(4). |
| **I** |  | Where a wall of a building serves as part of an outdoor Aquatic Venue enclosure, direct access to the pool through the wall shall be limited to doors and windows that meet the following conditions.1. Windows leading to the Aquatic Venue area shall have a latching device at least fifty-four (54) inches above the floor. (Restriction on MAHC § 4.8.6.2.3)2. Hinged Doors, sliding doors or sliding screen doors leading to the Aquatic Venue area shall be self-closing and shall have a self-latching device that meets the requirements of § 4.5.13(G) of this Part. (Restriction on MAHC § 4.8.6.3)3. Doors leading to outdoor Aquatic Venues that operate without lifeguards shall meet the requirements of R.I. Gen. Laws § 23-22-6(b)1. (Restriction on MAHC § 4.8.6.3) |
| **J** |  | Access to Indoor Aquatic Facilities operating without lifeguards shall comply with the requirements of R.I. Gen. Laws § 23-22-6(b)1. |
| **K** |  | Where a wading pool is adjacent to the deep-water area of another Aquatic Venue, a minimum four (4) foot vertical barrier with a self-closing and self-latching gate shall be installed to separate the two Aquatic Venues. (Restriction on MAHC § 4.12.9.2) |
| **Section 4.5.15** |  | **WATER SUPPLY AND WASTEWATER DESIGN** |
| **A** |  | The discharge end of a pipe delivering potable water to an Aquatic Venue shall provide an air gap equivalent to at least two (2) pipe diameters above the maximum elevation of the water in the Aquatic Venue. Piping from a potable water system shall not be physically connected to the recirculation system of an Aquatic Venue. (Restriction on MAHC § 4.11) |
| **B** |  | There shall be no direct physical connection between any part of an Aquatic Venue or its recirculation system and a sanitary sewer or subsurface sewage disposal system unless equipped with a backflow device approved by the Licensing Agency. (Restriction on MAHC § 4.11) |
| **Section 4.5.16** |  | **CONSUMABLES** |
|  |  | All consumable materials, including but not limited to filter cartridges, filter media and water treatment chemicals, shall be listed and labeled to the standards of NSF/ANSI 50 by an ANSI-accredited certification organization. |
|  |  | **PE SIGNATURE** |