

Natatorium

Components

- Swimming Pool
- Pool Deck
- Bleachers/Spectator seating
- Locker and shower rooms
- Lobby/Concession stand
- Equipment rooms
- Storage
- Chemical storage

Regulations

1. The Connecticut Department of Public Health [DPH] regulates public and school swimming pool construction.
2. Construction must be approved by DPH and comply with department regulations and Connecticut Building Code.
3. Plans must be submitted to DPH for approval.
4. CGS 20-340d and 19-13-B33b requires the pool to be built by a licensed swimming pool builder.
5. School pools must be equipped with American National Red Cross first aid kit, emergency telephone and warning signs as found in 19-13-B33b.
6. Safety markings shall be as required by DPH and Connecticut Building Code.
7. Heating, ventilating, air-conditioning and pool equipment shall be designed and constructed in accordance with *Connecticut Building Code* and the *Connecticut Building Standard Guidelines Compliance Manual for High Performance Buildings*.
8. Access to swimming pool and all adjacent spaces shall be in accordance with the current *Americans With Disabilities Act (ADA)*.
9. Licensed Design Professionals shall incorporate the *Virginia Graeme Baker Pool and Space Safety Act* when planning, designing, and constructing school swimming pools.
10. Automatic chemical feeders shall comply with the National Sanitation Foundation (NSF).

General

- The LEA and its Licensed Design Professional should highly consider hiring a professional natatorium design professional who has experience in the planning, design, and construction of school swimming pools, amenities, support spaces, and the building structure.
- The DPH does not regulate swimming activities that take place in school pools. LEAs should collaborate with their local health districts to oversee swimming activities.
- Ownership, oversight, maintenance, liability, and responsible parties should be established at the beginning of the project and formalized in writing.

Natatorium

Performance Standards

1. Pools and their enclosures shall be constructed of long-life materials that can withstand exterior and interior loads and environmental conditions such as exposure to water and humidity found in natatoriums and support spaces.
2. Materials and finishes shall adhere to the *Connecticut Building Code* and the *Connecticut Building Standard Guidelines Compliance Manual for High Performance Buildings*.
3. All exposed steel members shall be galvanized.

Instructional Spaces

1. Natatorium instructional and support spaces are listed in the *Compilation of Space*, Chapter 5.
2. Main pool size shall be 25 yards by 50 meters.
3. Deck shall be 10 feet on each side and 15 feet on the end.
4. Bleachers shall be provided for $\frac{1}{4}$ of the student enrollment.

Environmental Health

- The Licensed Design Professional should plan and design a safe and clean environment free from contaminants and other harmful materials.
- Air quality depends on the equipment providing proper levels of ventilation, air exchanges, exhaust airflow, and the location of air returns.
- Water quality depends on proper levels of filtration and chemicals
- Safe handling and storage of pool chemicals are necessary to prevent unintentional chemical exposures.

Planning Concepts

- During school and after-hours access to the natatorium by the public should be considered.
- Access and circulation within the facility and the adjacent school building should be considered to provide safe and secure movement of students and the public.

Support Spaces

- Support and building services spaces may vary in size based on LEA's needs.