

YMCA Albany, New York

Owner: YMCA

Total Construction Cost: \$1,800,000.00

Major facility expansion and renovation, including new 42' x 75' swimming pool to provide swimming instruction, therapy and recreation to the community and numerous non-profit agencies. Project includes life safety modifications and new elevator as well as new or upgraded shower, toilet and locker facilities; nautilus and strength training facilities; women's fitness center and men's health club; racquet ball court; gymnasium; child day care center; multi-purpose areas; administrative offices and support spaces.

Key design issues included developing a full-service wellness and fitness complex with special attention to natatorium and pool design, particularly heating, ventilation, dehumidification and acoustics.

Specialized HVAC system was designed for the natatorium to maintain required humidity level, appropriate heating and cooling environment. Non glare HID lighting was designed for proper lighting level and safety, besides energy conservation. Power requirements were provided for a variety of mechanical equipment including special pool equipment.

Fitness areas were provided with individually controlled HVAC systems and lighting. Ventilation design was very critical to provide proper code compliance, besides assuring comfortable levels of circulation, temperature and humidity.

Fire safety included smoke detection, heat detection and a wet pipe sprinkler system. (Work performed by Karen Astorga-Paticopoulos, P.E. as head of the Engineering Department for Crozier Architects)



PLUMB ENGINEERING, P.C.

4 Wolfert Avenue, Albany, New York 12204 Phone: 518-465-6037 Fax: 518-465-5210 E-Mail: Engineers@Plumbpc.com