Fort Lauderdale is renowned as a long-standing leader among aquatic destinations. Since opening the first Olympic size swimming pool in the State of Florida in 1928, then the swimming Hall of Fame in 1965, Fort Lauderdale is the proud home of the first precast concrete dive tower in the world that combines springboard, platform, and high diving.

Fort Lauderdale’s rich history as the Venice of America and the Bahia Mar Yacht Basin served as inspiration for the tower’s design, which include flared platforms that resemble a ship hull. This spectacular 27-meter dive tower includes nine platform levels and can accommodate up to twelve springboards.

- Diving Platforms: 1M, 3M, 5M, 7.5M, 10M
- Springboards: 1M (6 max); 3M (6 max)
- Pool Gallons of Water: 926,578
- Pool Depth: 6.096-meters
- Pool Size: 25-meters x 25-yards
- Steps to the Top: 162
- Platform Surface Material: Rough-Tex
- Air Sparger: Pulsair – 3M, 5M, 7.5M
- Banner Anchors: 8
- Electrical Outlets: 5
- Hose Bibb Connections: 8
- Lightning Prediction System: Bonded Lighting Protection Systems
- Pool Chemical Disinfection: Chlorine Generator; Calcium Hypochlorite
- Pool Filtration: Regenerative Media Filters
- Pool Heating/Cooling: Geothermal
- Sports Lighting: Musco
- Timing/Scoring System: Omega Swiss Timing
- Wind Gauge

FORT LAUDERDALE
AQUATIC CENTER
27-METER DIVE TOWER
CONSTRUCTION

A team of specialists with air traffic control tower experience was assembled by Hensel Phelps to design the tower that weighs includes 360 cubic yards of concrete, 160,000 pounds of reinforced steel, and weighs 1.7 million pounds. The foundation is 5-feet deep and 53-feet wide with 35 auger cast piles supporting the dive tower foundation, each at a depth of 60-feet. The dive pool is supported by 70 auger cast piles. Each section was transported from the Gate Precast manufacturing plant in Kissimmee.

- Cubic Yards of Concrete 360 CY
- Reinforcing Steel 160,000 lbs
- Concrete 1,440,000 lbs
- Other Materials: 160,000 lbs
- Total Estimated Weight 1,760,000 lbs
- Precast Concrete Sections 96
- Lighting Protection Air Terminals 3
- Fall Protection Tie Off Anchors 13
- Railings Clear Anodized Aluminum
- LED lighting 10 LDI Fixtures
- Construction Concrete w/ Steel Reinforcement
- Reinforcing Steel Grade 60, Nucor Steel Birmingham Inc., Birmingham, AL
- #78 Arrowood (Diorite) Charleston, NC
- 3/8” Limestone Miami, FL
- Black Grit River Valley, Ontario
- Aggregate Rock 3/8”

Owner/Operator City of Fort Lauderdale
Lead Design-Builder Hensel Phelps
Aquatics Designer Counsilman-Husaker
Aquatic Sub-Contractor Weller Pools
Architect Cartaya & Associates
Civil & Landscape Designer Keith & Associates
Electrical HyPower Inc.
Geotechnical Engineer Langan
M.E.P.S. WSP
Precast Construction Gate Precast
Structural Precast EOR Econstruct
Precast Erector Southeast Precast Erectors
Plumbing Right Way Plumbing Company