

Pearland Recreation Center and Natatorium

Pearland, Texas



Project Overview:

Use: Community Recreation Center
Size: 105,000 SF of Floor Space
Height: 2 Stories
Construction Dates: May 2009 - June 2010
Construction Cost: ~\$17 Million
Delivery Method:
 Design-Bid Build
 Competitive Bid
 Lump Sum



Mechanical:

- Three (3) 2000-5000 CFM Outside AHUs
- Eight (8) 3000-19000 CFM Inside AHUs
- Two (2) 1,063,000 BTUH Natural Gas Boilers
- Two (2) 1,699,000 BTUH Natural Gas Boilers
- Two (2) 138 Ton Chillers
- Seven (7) 100-340 GPM Pumps

Electrical:

- One (1) 600A Surface Mounted Distribution Panel
- One (1) 400 KW Back-Up Generator
- 3000A Building Power Supply

Project Team:

Owner: City of Pearland Texas
 Pearland Independent School District
CM: EMJ Corporation
Architect: PBK
Structural Engineer: Conti, Jumper, Gardner, & Assoc.
MEP Engineer: PBK - MEP Group
Pool Consultant: Aquatic Excellence

Architecture:

Natatorium:
- One (1) 50 Meter X 25 Yard Indoor Competition Pool
- One (1) Four (4) Lane X 25 Yard Therapy Pool with Handicap Access Ramp
- Meeting/Training Room

Recreation Center:
- Competition Gym with Four (4) Lane Track
- Weight Room
- Men's/Women's Locker Rooms
- Offices
- Multi-Purpose Rooms

Structural:

Natatorium:
- Concrete Piers
- Glulam Structural Framing
- Concrete Slab on Grade

Recreation Center:
- Concrete Piers
- Structural Steel Framing
- Concrete Slab on Grade and on Elevated Steel Decking

Matt Smiddy
Construction Option

<http://www.engr.psu.edu/ae/thesis/portfolios/2010/mds5055/>

