

WARRENTON AQUATIC AND RECREATION FACILITY

WARRENTON, VIRGINIA

www.arche.psu.edu/thesis/eportfolio/2007/portfolios/dnd122

PROJECT TEAM

OWNER: WARRENTON PUBLIC WORKS

ARCHITECT: PARKER & GRIMM ARCHITECTS

GENERAL CONTRACTOR: FORRESTER CONSTRUCTION CO.

MEP DESIGN: B2E CONSULTING ENGINEERS

RECREATION CONSULTANT: THE SPORTS MANAGEMENT
GROUP

The logo for Forrester Construction Company features the company name in a bold, sans-serif font. Above the name is a stylized graphic of three horizontal bars of varying lengths, resembling a flag or a modern architectural element. Below the name, the words "CONSTRUCTION COMPANY" are written in a smaller, all-caps font.

FORRESTER
CONSTRUCTION COMPANY

PROJECT OVERVIEW

DELIVERY METHOD: DESIGN-BID-BUILD

TOTAL SQUARE FOOTAGE: 59,738 FT²

TOTAL COST: 22 MILLION DOLLARS

FLOORS: TWO + PENTHOUSE

SCHEDULE DURATION: 18 MONTHS

ARCHITECTURE & BUILDING ENVELOPE

- MIXED USE RECREATIONAL BUILDING CONTAINING A COMPETITION POOL, LEISURE POOL, FITNESS CENTER, AND OFFICES
- CYLINDRICAL ENTRANCE VESTIBULE
- STANDING SEAM METAL ROOFING SYSTEMS
- LIGHT BEIGE BRICK & STONE VENEER FAÇADE

STRUCTURAL

- 101'6" LONG ROOF TRUSS SYSTEM ABOVE POOLS
- W-SHAPED BEAMS AND GIRDERS FOR FLOOR SUPPORT
- COMPOSITE CONCRETE METAL DECK FLOOR
- SLAB-ON-GRADE POOLS (3500PSI)
- CONTINUOUS AND SPREAD FOOTINGS (3500PSI)
- STRUCTURAL STEEL AND CONCRETE COLUMNS
- BRICK & STONE VENEER WALLS WITH CONCRETE MASONRY

ELECTRICAL/LIGHTING

- 480/277V 3 ϕ , 4-WIRE SYSTEM
- 3000A MAIN BREAKER
- 85 KW EMERGENCY GENERATOR
- TYPICAL 277V LIGHTING
- METAL HALIDE ABOVE POOL AREAS
- TYPICAL T-8 FLUORESCENT BULBS IN HALLWAYS AND FITNESS ROOMS

MECHANICAL

- 4 AIR HANDLING UNITS, 3 ENERGY RECOVERY UNITS
- 15 WATER PUMPS (20-1400GPM)
- 2 CHILLER UNITS (415 & 98.3 TONS)
- HOT WATER UNIT HEATERS FOR PENTHOUSE

DEREK DIPIAZZA
CONSTRUCTION MANAGEMENT
THE PENNSYLVANIA STATE UNIVERSITY