# Johnnie B.Byrd, Sr., Alzheimer Center & Research Institute

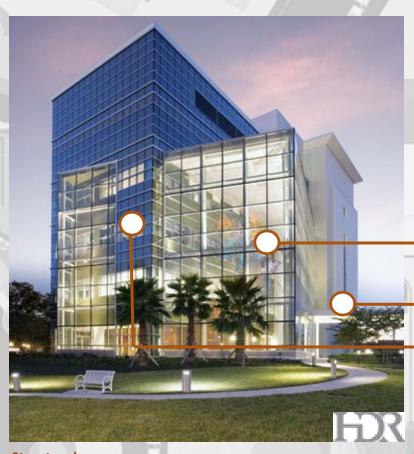
Tampa, Florida

### **General Information:**

Occupant Type: Office & Research Laboratories

Size: 108,000 SF
Construction Cost: \$23,600,000
Delivery Method: Design-bid-build

Construction Schedule: February 7, 2006 – July 9, 2007



# Structural:

## **Building:**

- Concrete frame & one way Slab
- Precast joist and soffit beams
- Spread footings & flat mat slab foundation
- 10" & 12" shear walls around elevators & stairs

### Cube:

Truss components made from structural tubes & pipes









### **Project Teams:**

Occupant: University of South Florida

Owner's Rep: Ruyle, Masters, Hayes+Jennewein
USF Facilities Planning & Construction

Architect: HDR Architecture, Inc.
GC/CM: Turner Construction
Structural: HDR Engineering, Inc.
MEP/Landscape: HDR Engineering, Inc.

**Interior Design:** Elements

# **Lighting/Electrical:**

- Fluorescent lighting used throughout
- Two main feed at 31 kV
- Two 4,000 kVA transformers feed
- 480/277 and 208/120 Panel boards

### **Architecture:**

#### Cube:

60' high atrium structure symbolizing knowledge **Building Facade:** 

Cement plaster with the same curtain wall like glazing and decorative grille with louver at the top.

Curtain wall glazing: Clear Tempered, insulating laminated spandrel glass, clear insulating laminated glass, insulated fritted glass 30% & 50% silkscreen coverage pattern, sunscreens, and louvers.

### Mechanical:

#### **Building:**

- Chilled water provided by 2 air cooled chillers & pumps
- Heating water provided by 2 gas fired boilers
- Medium pressure steam for use in laboratories
- 6 AHU total: 2 for each of labs, office, main

#### Cube:

• 1 AHU; fans vary to maintain duct static pressure