

# 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

## Project Teams:

Occupant:	University of South Florida
Owner's Rep:	Ruyle, Masters, Hayes+Jennewein
Agency:	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.

## 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

## 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

