



McLean, VA Capital One Lecture Hall Addition

Project Overview ~

Dates of Construction: May 2005 – Aug. 2005
Project Size: 32,400 SF
Overall Cost: \$15,095,988 GMP
Project Delivery: CM/GC, design-bid-build

Project Team ~

Owner: Capital One Financial Corp.
Owner's Rep: Jones Lang LaSalle
Architect: Mancini Duffy
CM/GC: James G. Davis Construction
MEP Engineer: KTA Group
Structural Engineer: Rathgeber/Goss Assoc.

Building Description ~

- Auditorium will hold approx. 450 seats with tablet arms and wireless internet access
- Includes projectors and screens, audio-visual support, and multi-use stage
- Additional space includes a garden atrium, green room, catering pantry, and conference rooms

Garden Atrium ~

- Interior landscaping governs main lobby
- Small water features break up planters
- Increased available sunlight with 50' x 55' skylight in the lobby



Mechanical ~

- (3) air handling units: 4,800 CFM, 19,200 CFM and 10,725 CFM units
- (2) 4,100 lb boilers for heating and hot water
- Wet pipe sprinkler system for fire protection

Electrical ~

- Existing 3 phase – 400A breaker replaced with 3 phase – 1,200A breaker
- Two main 277/480V, 800A, 3 phase distribution panels
- 800 KW life-safety and 1,750 KW standby emergency generators

Lighting ~

- Lecture Hall: incandescent and halogen down-lights, as well as halogen wall-washers
- Stage: halogen ellipsoidal projectors with 19" lens barrel
- Lobby: recessed down-light, metal halide up-light fixtures, and gro-lights for garden

Structural ~

- Custom made structural steel system for large auditorium and atrium openings
- Concrete column footings with 14" thick cast-in-place shear walls
- Basement floor is slab-on-grade with 6x6 W2.0 x W2.0 WWF