

Memorial Reception Building
Arlington, Virginia

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Lighting/Electrical
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Building Statistics Part 1

Name: *Memorial Reception Building
Arlington National Cemetery*

Location: *Arlington, VA*

Building Occupant Name: *“The Old Guard”, which consists of a select group of members from the 3rd US Infantry reside here during their shift to watch over The Tomb of the Unknowns.*

Occupancy/Function Types: *Mixed Use*

3 Existing Occupancies:
*A-3 Assembly
B Business
S-2 Storage, low hazard*

of stories above grade: *3*

Project Team:

Owner: *United States Government*
General Contractor: *William V. Walsh Construction Co.*
Arch: *Vitetta*
Civil: *Burgess & Niple*
MPE: *Weigand Associates*
Lighting: *The Lighting Practice*
Elevator Engineers: *Lerch Bates*
Landscape: *Hord Coplan Macht*

Dates of Construction: *December 2004 – June 2006*

Cost: *\$6,000,000 for the renovation*

Delivery Method: *Design-build renovation*

Architecture: *This building’s architecture is based off of ancient Greek architecture with the marble finishes and stone columns in both the amphitheater and the interior of the building. The basement of the building is mainly the living quarters for the guards who watch over the Tomb of the Unknown Soldier. The basement also consists of office area, electrical and mechanical rooms, a Crypt Chapel, and the Catacombs. The lobby of the building, also known as*

the reception room, is located on the first floor and consists of a double height area open to two rooms on the first floor and two rooms on the second floor.

Major Codes:

*2000 International Building Code (IBC)
2000 Virginia Uniform Statewide Building Code
Americans with Disabilities Act
Energy Policy Act of 1992, Code of Federal Regulations
The Secretary of the Interior's "Standard for Rehabilitation
2003 International Plumbing Code
2000 International Fuel Gas Code
2000 Energy Conservation Code
2000 International Fire Code
2000 International Fire Prevention Code
2000 International Mechanical Code
CABO/ANSI Standard A117.1-1992
Presidential Executive Order 12902
UFC Fire Protection Engineering for Facilities
Unified Facilities Criteria
2002 National Electrical Code
Code for Safety to Life from Fire in Building and Structures, NFPA 101
Army Manuals and Technical Instructions (TM 5-811-X, TI-800-X)
TM 5-811-1, Electrical Power Supply and Distribution
TI 800-01 Design Criteria
TI 800-03 Technical Requirements for Design-Build
Telecommunications Industry Association/Electronic Industries Association
(TIA/EIA)
Illuminating Engineering Society Application and Reference Handbooks (IES)*

Zoning: There are no zoning requirements since The Memorial Reception Building is on the Cemetery grounds.

Historical requirements: As of Oct. 30, 2006: still waiting to receive information from architect

Building Envelope:

The roof is constructed with poured in place reinforced concrete roof deck and encased steel beams.

All the exterior walls are 21" thick load bearing masonry walls with a stone façade finish.