



# THE MEMORIAL RECEPTION BUILDING ARLINGTON NATIONAL CEMETERY ARLINGTON, VIRGINIA



## GENERAL BUILDING DATA

Building Area: 49,000-50,000 sq. ft.  
Cost: \$6,000,000 for the Renovation  
3 Stories above grade  
Occupancies: A-3 Assembly  
B Business  
S-2 Storage

## ELECTRICAL

UTILITIES: Main incoming power is a 15kv 3 ph service connected to the building through an H.V. switch board.

EXTERIOR: There are two transformers for the exterior electrical distribution with the capacity of 150 KVA and 300 KVA. Both of these transformers are 3 phase, 4-wire type with secondary voltage of 208Y/120V and are connected to the primary service switch board.

INTERIOR: There are two panel boards that provide electrical power to the interior of the building, both of which are 3-phase, 4-wire and are 208Y/120V with the capacity of 1600A and 1200A.



## MECHANICAL

COOLING SYSTEM: Two 12.5 ton rooftop units and a 4000 CFM cooling unit.  
HEATING: Hot water system heated. Water circulates through unit heaters, convectors, finned tube radiators, and hot water coils in the ducts.  
EXHAUST FANS: One 1500 CFM and one 900 CFM.

## PROJECT TEAM

Owner: 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



## LIGHTING

Exterior lighting: 5 exterior light fixtures.  
Interior lighting: The existing building before the renovation, was using all pcb ballasts for the fluorescent lighting fixtures. The the foot-candle levels did not comply with the newest IES standards.

## STRUCTURAL

ROOF: Poured in place reinforced concrete roof deck and concrete encased steel beams which are supported on load bearing walls.  
FLOOR: Poured in place reinforced concrete slabs and concrete encased steel beams which are supported on interior and exterior load bearing masonry walls and interior load bearing masonry piers.  
EXTERIOR WALLS: 21" thick load bearing masonry walls.  
INTERIOR WALLS: Some are load bearing masonry walls and others are either clay tile or stud partitions.  
CONSTRUCTION TYPE: 2A, protected noncombustible.