

project profile

15 West 34th Street, 5th Floor HVAC, Electrical, and Plumbing Design

Property: 15 West 34th Street, 5th Floor
5,900-square-foot office space in midtown Manhattan,
office of Pentagon 2000 Software, Inc.

Project Scope:

Design of HVAC, electrical, and plumbing
systems for 5,900-square-foot office space.

Design: August to September 2002

Construction: March to May 2003.

Engineer: Rand Engineering, New York, N.Y.

Architect: Andrew Bartle Architects, P.C./ABA Studio, New York, N.Y.

Contractors: Nucor Construction Corp., New York, N.Y. (General)

VR Mechanical, Brooklyn, N.Y. (HVAC Subcontractor),

The Electric Connection, New York, N.Y. (Electrical Subcontractor)

500,000 construction cost.

Client: Gabriel Mofaz, President, Pentagon 2000 Software, Inc.



Rand Engineering designed the HVAC, electrical, plumbing, and fire alarm systems for Pentagon 2000 Software's newly configured 5,900 sq. ft. office in Midtown Manhattan.



Highlights:

Newly designed systems and installed equipment included:

HVAC:

- Air distribution system: ductwork, volume dampers, control dampers, access doors, and louvers.
- Three air conditioning units for general office space, front offices, and server room, each with setback digital thermostats.
- Diffusers, grilles, and registers.
- Fans, vapor seals, and insulation.

ELECTRICAL:

- Wiring, risers, conduits, junction boxes, and hangers and supports.

- Service disconnect switches and circuit breaker load centers.
- Lighting fixtures.

PLUMBING/FIRE PROTECTION:

- Domestic hot water heater and hot and cold branch piping to kitchen and bathrooms.
- Sanitary and vent piping.
- Cast-iron finned-tube steam radiators.
- Sprinkler heads, heat sensors, and strobe lights for fire-alarm system.

EXPEDITING:

- Obtained Department of Buildings Work Permits.



R A N D

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