

# IAC/InterActiveCorp Headquarters

## New York, NY

### STATISTICS

Location: Along the Hudson River in Manhattan, NY

Levels: 11 stories (+1 below grade)

Size: 130,000 sq ft

Construction Dates: May 2004-March 2007

Delivery Method: Guaranteed Maximum Price



### ARCHITECTURE

- Office building for IAC, a leading internet company
- Building to resemble boat sails at full mast
- Small parking garage below grade
- Vast lobby on 1<sup>st</sup> floor with a 'video wall'
- Building setback at 6<sup>th</sup> floor resulting in outdoor terrace
- Cold-warped glass curtain wall with over 1,400 laminated, double-glazed, fritted panels
- Roof composed of concrete pavers on setting blocks, filter fabric, 3 1/2" rigid insulation, a waterproofing membrane, and 1 1/2" concrete topping

### MECHANICAL SYSTEM

- VAV system w/ air handling units on each floor ranging from 2500 to 28000 cfm
  - 4 cooling towers on mechanical penthouse level
  - Centrifugal pump servicing the chillers
  - Fintube radiators along perimeter at each floor

### PROJECT TEAM

Client: The Georgetown Company

Building Tenant: IAC/InterActiveCorp

General Contractor: Turner Construction

Design Architect: Gehry Partners, LLP

Executive Architect: Adamson Associates

Structural: DeSimone Consulting Engineers

Foundations: Langan Engineering, Inc

Lighting: Brandston Partnership Inc

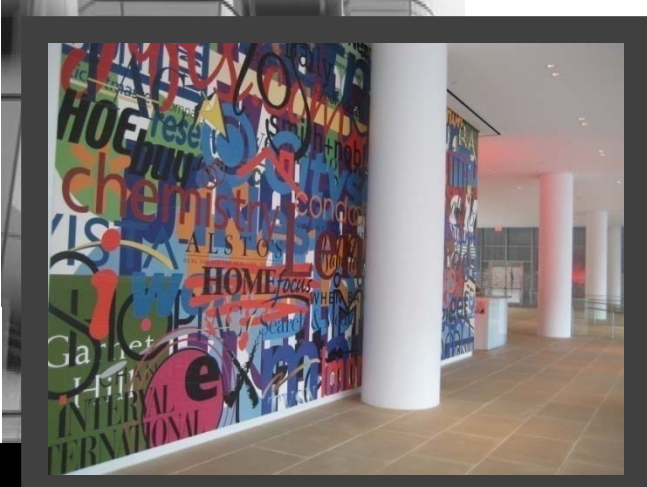
MEP: Cosentini Associates

### LIGHTING/ELECTRICAL SYSTEM

- 208Y/120V 3 phase, 4 wire electrical system
- 2 main 6000 amp switchboards in the cellar
- 800 KW emergency generator serving the fire pump and auto-transfer switch
- Alcove lighting along the perimeter of each floor
- Indirect lighting hung over each workstation
- Open-office layout benefits from ample day lighting

### STRUCTURAL SYSTEM

- Cast in place concrete ( $f'c = 5000$  psi in slabs, 5950 in columns)
- Typically 14" thick flat plate slab
- 24" slab at 6<sup>th</sup> floor to transfer loads from upper columns
- Sloping circular concrete columns to accommodate gradual floor setbacks (typ. 28" diameter at perimeter and 34 to 38" in middle)
- Sloped columns in same direction result in a torsional building rotation
- 12" to 14" thick shear walls in elevator and stair cores
- Foundations consists of piles and caissons (which support the shear walls)



**Rachel Chicchi\_Structural Option**

<http://www.engr.psu.edu/ae/thesis/portfolios/2009/rac281>