

800

NORTH GLEBE

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GENERAL BUILDING DATA

Location: Arlington, VA
Occupant: Up for Lease
Occupancy Type: Mixed-Use Office
Size: 316,000 SF
10 Stories + 1 Penthouse and
3 Below Grade Parking Levels
Completion Date: 2011
Delivery Method: Design-Bid-Build
Contract Type: At Risk
Project Cost: \$62 Million

PROJECT TEAM

Owner: The JBG Companies
Architect: Cooper Carry
Landscape Architect: Bowman Construction
Structural Engineer: Structura
Civil Engineer: Bowman Construction
MEP: Girard Engineers
Contractor: Clark Construction Group LLC

MEP SYSTEMS

- 9 VAV 30,000-37,000 cfm airhandling units: 1 per level
- 3 800 gpm cooling towers with one chilled water free cooling heat exchanger
- 480/277 V electrical distribution system carried by a 3000 A busway
- Surface mounted and recessed fluorescents, and wall mounted CFLs fixtures throughout the building
- Occupancy sensors installed on all office levels
- 450 KW emergency generator powering lights, fire pumps, sump pumps and stairwell pressurization fans

ARCHITECTURE

- Three sail-like sweeping glass curtain walls
- Precast concrete panels, decorative stone and metal cladding adorn the facade
- Vertical and horizontal precast bands create sight lines
- Building geometry defined by radial lines and circles
- Ground level retail offering 14'-6" ceiling heights with floor-to-ceiling glazing
- Diamond expression decorative composite metal canopy with backlit glass over main retail entrance
- Building setbacks located at levels 4, 6 and 8
- Numerous amenities located on-site: Retail, restaurant, cafe, fitness center.
- Designed for LEED Gold Certification

STRUCTURAL SYSTEMS

- Three levels of substructure used for parking
- Post-tensioned girders with 9" thick one-way slab allowing for 30' x 46' open bay design on levels 2 - 10
- 10.5" two-way slabs used for building stepouts below level 6
- Lateral resistance provided by two 12" thick "C" shaped shear walls at the buildings core
- Column size variation from 12" x 24" to 30" x 30" with a singular round 36" dia. column at entrance
- Foundations range in size from 4'-0" square up to 14'-0" square with caissons supporting where applicable
- Lowest level parking garage has a 4" thick SOG

