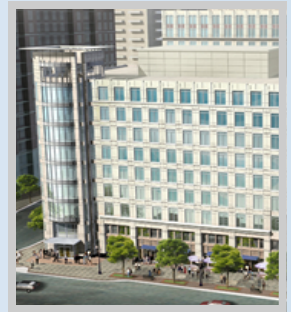


Two Liberty Center

Arlington, VA



Project Overview:

- 34 Million Dollars
- 180,000 SF Class-A office space
- 130,000 SF underground parking
- Ground Floor Retail Spaces
- August 2007 completion
- Phased occupancy by floor
- Part of mixed-use site expansion

Architectural Features:

- Featured Glass Tower
- Pre-Cast concrete façade with textured rock-face detail
- Glass curtain wall sections at ground level
- Natural stone and terrazzo-floored lobby

Structural System:

- Cast-in-Place Concrete
- Concrete Slabs and Frame
- 4 Concrete shear walls at core
- Post-tensioned slabs above ground floor
- Cast-in-Place Concrete Spread Footings

Mechanical Systems:

- 12 Factory Built Air Handling Units
- Electric heating coils
- Chilled water cooling coils fed by central plant
- Digitally controlled multiple zones with VAV boxes

Electrical System:

- 277/480V, 3-phase, 4-wire, 8000A utility service Junction Box
- Two 3000A Main Switchboards
- 1200A bus gutter for retail
- 5,840 kVA total connected load
- Diesel engine emergency generator for minimum 687.5 kVA load

Nathanael Paist
Construction Management

ePortfolio: <http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/NJP149/>