|Hotel|Northeastern U.S.|

|Jordan Rutherford|
|Structural Option|

|building statistics|

Occupancy	Residential, Aseembly
Size	75,209 sqft.
Floors	5
Height	60'8"
Rooms	113
Cost	$9.2 million
Construction	Oct. 2011 - Nov. 2012
Method	Design-Bid-Build

|project team|

Owner
Withheld

Architect
Meyer and Associates

Developer
Continental Building Systems

MEP & Fire Protection
Prater Engineering Associates

Civil/Landscape
Civil and Environmental Consultants, Inc.

Structural
Atlantic Engineering Services

|architecture|

- Slender design for natural light in all rooms and view of the river
- Pool, Fitness Room, Meeting Room, Breakfast Area
- Facade consisting of Brick, Gypsum Sheathing, Exterior Insulation and Finish System
- Canopy at entrance for vehicular access
- Decorative cornice around entire roof

|building systems|

Structural

- Foundation consists of column spread footings and continuous wall footings.
- Structural steel is used on the first floor with masonry bearing walls on all other floors.
- Hollowcore concrete precast plank makes up the floor and roof system.
- Lateral resistance is provided by masonry shear walls.

Mechanical

- Two single zone VAV rootop units with 100% outdoor air
- Varible Refridgerant Flow (VRF) outdoor units provide 218,000 BTU/hr of cooling and 143,000 BTU/hr of heating
- Rooms have Packaged Terminal Air Conditioning Units (PTAC) with an average of 8,000 BTU/hr cooling, 7,000 BTU/hr for heat pump and 10,000 BTU/hr for electric heat.

Electrical/Lighting

- Standby Generator with 160 KW and 200 KVA is 120V and 60 Hertz.
- 13.2KV, 277V 3 phase transformer with 2500A breaker leading to main switchboard and rooftop units
- Panels are 208/120V and located on first, second, and fourth floor
- Fluorescent and Incandescent dimmers used on first floor
- Facade is illuminated by 150W PMH floodlights
- Guest rooms uses 13W Quad Pin and Guest bathrooms use 14W LED