
http://www.engr.psu.edu/ae/thesis/portfolios/2012/LQP5013/index.html

## PROJECT TEAM

* Owner: River Vue Associates, LP
* General Contractor \& CM: Turner
* Architects: Design 4 Studio, Inc. / IDG LLP
* Structural Engineer: Whitney, Bailey, Cox \& Magnani, Inc.
* MEP Engineer: Claitman Engineering Associates Inc.


## BUILDING STATISTICS

* Dates of Construction: June 2011-April 2012
* Project Delivery Method: Design-Bid-Build
* Cost: \$28 Million
* Size: 16 stories, 295,000 square feet


## ARCHITECTURE

* 16 story structure curved-cornered, aluminum and glass façade with white marble accents
* Units include multiple bedrooms, bathroom, kitchen, and living space with retail space on the ground floor.
* Two levels of valet parking for residents
* Spectacular views of city landmarks and access to Point State Park


## LIGHTING/ELECTRICAL

* Day lighting achieved through new bronze glazing and balconies on upper levels
* LED bollards and up-lights used for exterior accents
* Three Phase, 120/208 V electrical system
* Four main transformers serve 2000A switchboard which distributes power to 400, 225, \& 100A panel boards throughout the units
* Separate emergency and fire alarm electric system


## MEHANICAL

* Several simple occupancy zones including apartment units, lobby/retail, parking, and corridors for energy modeling
* Two 200 GPM boilers, a 1024 GPM plate heat exchanger and a single air handling unit with enthalpy wheel serve building
* All existing duct, registers, grilles, and piping to be replaced in renovation
* Natural ventilation achieved through operable windows


## STRUCTURE

* Steel frame supporting metal decking with lightweight concrete slab topping
* Double curtain wall system comprised of aluminum panels and glazing
* Additional bracing to be installed between column lines on ground floor


