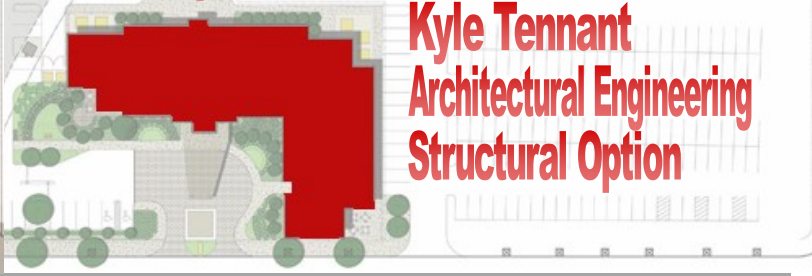




Hyatt Place North Shore Pittsburgh, PA



Kyle Tennant
Architectural Engineering
Structural Option

Building Statistics

- Location:** North Shore Drive Pittsburgh, PA 15212
- Size:** 108,743 Total SF, 67,388 SF in 178 guestrooms
- No. Stories:** 7 stories above grade to 70'-0"
- Construction Dates:** June 2009 to October 2010
- Project Delivery Method:** Design Bid Build

Project Team

- Owner:** Continental/Rockbridge North Shore Hotel
- Architect:** Burt Hill
- CM:** Continental Building Systems
- Structural:** Atlantic Engineering Services
- MEP:** HF Lenz
- Site/Civil Engineer:** Civil & Environmental Consultants, Inc.
- Geotechnical Engineer:** Michael Baker Jr., Inc.

Project Team

The Hyatt Place Hotel is part of an agreement between the Pittsburgh Steelers and Pirates that began back in 2003 with the goal to bring commercial development to the North Shore. The 178 room hotel is conveniently close to both of the teams stadiums, Rivers Casino, and Pittsburgh in general. The well-designed interior provides a high-tech and contemporary environment.

The first floor has all the expected guest amenities along with a indoor pool, lounge space, and generously sized meeting rooms. Floors 2 through 7 house 67,388 SF Net Guestroom area in 178 rooms. All rooms are well sized with a partition dividing the sleeping and living spaces. Rooms are furnished with 42 inch high definition flat screen TVs and a well designed work and entertainment center along with hotel wide Wi-Fi.

Structural

- Structure is located on soft soil along the Allegheny River
 - 121 18"-140 ton auger-cast piles necessary
- Reinforced concrete masonry bearing walls resist gravity loads
 - Act as shear walls to resist lateral force
- 8" precast concrete planks typically spanning 30'
- Large steel transfer girder to allow open meeting space

Mechanical

- Hotel rooms equipped with 350 CFM PTACs
- 3 1500 CFM (100% O.A.) AHU on roof to supply hotel corridor
- 3 various AHU to supply other areas of building
 - 1) 7970 CFM (52% O.A.) 2) 6070 CFM (35% O.A.) 3) 1500 CFM (15% O.A.)

Electrical

- 3 phase 4 wire system
- 1600A main distribution switchboard 480Y/277V
- 800A busway up the building
 - (1) 400A 208/120V panel board on each floor to supply guestrooms
 - (1) 225A 480/277V panel board on each floor to supply PTACs



Atlantic Engineering Services

Panoramic view—Dustin McGrew Photography