



Photo Courtesy of Arquitectonica



STEEL CITY HIGH-RISE

Pittsburgh, Pennsylvania



Photo Courtesy of Turner Construction

Project Team:

- Owner:** Millcraft Investors
- Architect:** Arquitectonica
- Structural Engineer:** Jezerinac Geers
- MEP:** Emcor Services/Scalise Industries
- Interior Design:** TDA – The Design Architect
- Construction Manager:** Turner Construction Company

Structural System

- Mat foundations, grade beams, auger cast piles, and footings accompanied by a backfill of crushed/screened concrete
- Above grade will consist of wide flanged columns, beams, and girders
- Composite metal deck, concrete, and hollow tube steel components.

Exterior System

- Vision or spandrel glass framed with metallic metal panels and louvers
- Unexposed faces (abut to adjacent spaces) are 8" concrete masonry unit walls
- Roofing is 3" corrugated metal deck that has an over-laying system composed of TPO (Thermoplastic Polyolefin) Roofing and Fluid-Applied Protected Membrane Roofing

General Project Information

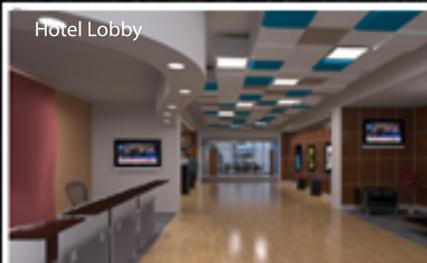
- Occupancy:** Hotel, Retail, Office, Garage
- Size (GSF):** 440,000 SF
- Number of stories:** 18 stories
- Building Height:** 220 feet
- Construction:** Jan 13, 2014 – Dec 10, 2015
- Construction Cost:** \$67,000,000
- Overall Project Cost:** \$100,000,000
- Project Delivery Method:** GMP with CM at Risk

Mechanical System

- Six rooftop air handling units (ranging from 1,600 CFM to 50,000 CFM) to feed everywhere except the garage, the hotel rooms, and the retail spaces
- Self-contained packaged terminal air conditioning units (PTACs) that are thru-wall units and will have an outside air CFM of 70 for each hotel room

Electrical System

- 6, 3-1/2" conduit containing 4-#600MCM and 1#400EGC to power 277/480V main switchboard sized at 2000A
- 7, 4" conduits containing 4-#750MCM and 1#600EGC to power to a 277/480V main switch-board sized at 2500A
- 65 panels



Hotel Lobby



Office Lobby



Office Space

Photos Courtesy of Arquitectonica