primary project team

general building data

occupancy + function | multi-tenant office building construction dates | July 2012 to July 2013 approximate size | 152,000 square feet number of stories | 5 (all above grade) location + site | Pennsylvania

owner | a real estate developer architect | Kernick Architecture, LLC general contractor | Rycon Construction site+civil engineer | The Gateway Engineers structural engineer | Atlantic Engineering Services

structure

deck | 2" 20 gauge floor system | 3 ½" reinforced concrete lateral system | eccentrically braced frames framing system | W-shape columns and beams foundation | drilled piers (caissons) and grade beams

The symmetrical building shape allows for a simple structure, with even and regular bays. Composite floor/beam system maximizes efficiency of the member sizes.

MEP systems

The MEP systems for MTOB are design-build. The design-build process will save time and money by designing the smaller pieces of construction around what is already there. This way, the smaller duct feeds and sprinkler lines will be able to easily avoid obstacles.

Specifics of the MEP systems are listed below.

4 | packaged direct expansion (DX) roof top units
11 | secondary conduits from transformer
22 | feeder conduits from MSB
11 | panels from MSB
13 | luminaire types