

1ST MARINER BANK BUILDING AND CANTON CROSSING CAMPUS Baltimore, MD



Canton Crossing Tower is located at 1501 South Clinton Street in Baltimore City. This 17 - story octagonal building with three additional utility levels is going to have retail and restaurants on the Ground Level; office spaces on the Second to the Seventeenth Floor; and three utility levels containing Electrical, Mechanical and the Elevator Equipment Rooms above the Seventeenth Floor. Each typical floor has 13,163 square foot of space; the whole building totals to approximately 254,000 square foot of space. At 360 feet in height, this office building towers over the Canton area and panoramically overlooks Baltimore City. The Canton Crossing Tower foundation system consists of concrete pile caps supported by a combination of 20" square precast concrete piles and steel H-piles. The floor system consists of composite metal deck with light-weight concrete supported by composite steel beam and steel columns. Columns are spaced approximately 37 feet apart in each direction. The lateral system of the building is a combination of moment frames and brace steel frames. The Tower is designed to accommodate a future pedestrian bridge that connects the Canton Crossing Power House across the street to the Tower. The exterior façade of the building is going to architectural precast with brick inlays.

Canton Crossing Power House is located at 1520 South Clinton Street in Baltimore City. This 2 story utility building has a foot print of 120 ft x 225 ft. The primary usage of this building is to store majority of the equipment that supplies building services to the entire Canton Crossing Campus. The Ground Level of this utility building houses all the mechanical and electrical equipment. The 60 ft x 40 ft Mezzanine area is going to be used to store electrical switch gear and a room for Verizon and Comcast. The roof of this building has been designed as a future garage level. The foundation of this building consists of straight shaft drilled caissons. The floor system consists of concrete deck spanning between pan joists supported by concrete beams on 30 inch concrete columns. The typical column spacing along the length of the building is 30 feet. The typical column spacing along the width of the building is 45 feet. The pan joists span the width of the

Client: Canton Crossing, LLC

Total Construction Cost:

Project Size: 254,000 SF

WBCM Services: Architecture, Interior
Architecture, Civil Engineering, Structural
Engineering, Surveying, Permitting, Construction
Services

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garage. The Power House is designed for a future additional three levels of parking garage and seven levels of office space. The final footprint of the Power House shall be increase from the 120 ft x 225 ft to 160 ft x 390 ft. The additional area of the building shall be used as retail, restaurant, garage, and office space. The future three levels of parking garage would be a precast structure. The future office space floor system shall be composite metal deck with light-weight concrete supported by composite steel beam and steel columns. The façade of the Power House is anticipated to be architectural precast.