

# Altieri

## Philadelphia Museum of Art

Architect: Gehry Partners

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Location: Philadelphia, Pennsylvania

Completed: 2020 expected

Size: 500,000 sf existing; 90,000 sq additional

Services: MEP/FP

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Philadelphia's preeminent art museum houses a world-renowned art collection in a landmark building originally opened in 1928. It is one of the country's foremost destinations in which to see world-class art boasting, among many highlights, the finest public collection of Rodin sculpture in the United States, the largest collection of works by Marcel Duchamp, the greatest collection of Brancusi sculpture outside of Europe, and an exceptional collection of American painting, sculpture, furniture, silver and ceramics.

Altieri's work has included concept and schematic designs, design development of all phases together, and the separate contract documentation preparation for each phase of the multi-phase construction project. The initial concept for the central chiller plant included provisions to minimize operating costs by responding to utility rate changes on both the short-term and long-term basis. New air handling units will serve gallery and other program spaces and will maintain the temperature and relative humidity levels required by the collections housed in the spaces. Pre-treatment units will pre-filter, heat and humidify, or cool and dehumidify ventilation air as required based on season, prior to distributing to the gallery units. As utility cost projections have become less predictable yet more closely aligned to each other, the chiller plant design has evolved to an all-electric chiller plant, with magnetic bearing chillers. New electric service and equipment will be provided to distribute high voltage power throughout the building. It will be transformed locally for delivery to lighting and power panels in the various wings for end use applications. New lighting and power systems will be provided for all spaces. New plumbing systems that include ADA access will be provided throughout.

