THE CLARK

info

Project Name: The Sterling and Francine Clark Art Institute
Project Phase II: Utility Plant & Visitors, Exhibition, and Conference Center Space
Address: 225 South Street, Williamstown, MA
Size: 78,000 sq.ft.
Levels: 2 | 1 above grade
Delivery Method: GMP

team

Design Architect: Tadao Ando Architects and Associates
Architect of Record: Gensler
MEP Engineer: Itieri Sebor Wieber, LLC
Structural Engineer: Buro Happold Consulting Engineers, PC
General Contractor: Turner

arch

The architecture for the Phase II addtions to The Clark are consistant with Tadao Ando's design themes. Minimalistic design, with light open spaces and straight clean lines characterize the architecture. A palette of architectural concrete, metal panels, hardwood, glazing, and clean white surfaces reinforce clarity of the space.

building systems

Structural

The primary structural systems in The Clark are composed of cast-in-place concrete. Spread footings are used in combination with strip footings around the perimeter of the building. The lateral support for the building is provided by a shear wall system.

Mechanical

Six AHU's are spaced out beteen the plant and the VECC. Four boilers used in the Clark have a combined capacity of 10,800 MBH, and the chillers have a capacity of 700 tons. The Clark's extensive water feature includes an large pumping system and an ozone generation system.

Electrical

The Clark's campus is supplied at 13.8kV and transformed down to the 480Y/277V service voltage at the plant entrance using a unit substation. A 1500kW/1875kVA diesel generator supplies 480Y/277V, 3Ph, 4W power to the campus for emergency and standby systems.

Lighting

Backstage areas of The Clark use energy efficient linear fluorescent sources. Halogen MR-16 sources are used extensively in the guest of the facility. Much of the exterior envelope is constructed of a glazed curtain wall system, allowing for many daylit spaces. The exterior lighting system is controlled with a photosensor and time-clock and uses primarily ceramic-metal-halide and LED sources.