

project team

architect frederick fisher
and partners
lighting fisher marantz stone
mep loring engineers
structural robert silman assoc.
contractor barr & barr, inc.

statistics

occupancy academic
size 47,000 sf
levels 4, 3 above grade
construction february 2007-
july 2008
delivery design-bid-build

architecture

Sherrerd Hall serves as the new home to the Department of Operations Research and Financial Engineering—a program that merges engineering and social science. In keeping with the collaborative nature of these programs, the architect provided a building with open spaces adjacent to a large atrium that promotes interaction. The unique glass facade reflects and blends with surroundings while also opening the building to the outside world.



building systems

mechanical

Three air handling units located in the mechanical room on the sub-grade level supply conditioned air to the spaces and have a combined 56,500 cfm capacity. Constant air volume and variable air volume terminal units with reheat coils are used within the branch duct system.

electrical

Primary service is provided by PSE&G. The primary oil-filled transformer is rated at 750 kVA and steps primary service at 4.160 kV down to secondary service at 480Y/277V 3P 4W. Emergency power is provided by an existing area generator. Power at 480V is routed to each floor, with transformers at power panels at each level to step down to 208Y/120V.

lighting

General ambient light is provided by a combination of linear fluorescent recessed and pendant mounted fixtures and compact fluorescent downlights. Metal halide sources are used to illuminate the lobby atrium and feature wall. A light sculpture by LA artist Jim Isermann extends through the atrium and serves as a decorative element. An atrium skylight and curtain wall system of transparent, fritted, and frosted glass panels allow for daylight integration.

structural

The overall structural system is a steel frame with composite beam construction and reinforced two-way concrete slabs. The foundation consists of concrete pads and strip footings at the building perimeter.

“Light is a central theme throughout the building. It’s a kind of lantern, a lantern of knowledge and circulation” Frederick Fisher



jamie devenger
lighting + electrical