

Yale University, Paul Rudolph Hall

Exterior Restoration and Third Party Peer Review
New Haven, Connecticut

Due to complex building envelope conditions, Gwathmey Siegel & Associates Architects requested Hoffmann Architects' expertise for the renovation of Paul Rudolph Hall, formerly the School of Art + Architecture. Built in 1963, the seven-story landmark building is asymmetrical in plan, constructed of vertically striated cast-in-place concrete with exposed aggregate, and metal-framed windows and skylights. Hoffmann Architects provided architectural and engineering services in assessing the existing conditions, and developing designs and contract documents for the rehabilitation or replacement of roofs, skylights, terraces and exterior stairs. Hoffmann Architects coordinated services of a contractor to make exploratory openings to permit examination of concealed conditions at roofs, decks, parapets, flashings, and copings.



The building originally included single plate glass windows encased in steel frames. Though many of the windows were replaced in 1991, water infiltration was recurrent. The challenge was to design weather tight windows in an intricate and complex historic building while maintaining the aesthetics of the original design. The design challenge was also complicated by the fact that the size of the replacement glass is among the largest ever made. A unique framing system had to be designed to handle these heavier, larger tempered glass windows. Before the new windows could be installed, intricate restoration work had to be completed on the ribbed concrete facade, posing an additional design challenge. Precast concrete panels, which had been placed over the spandrel areas previously, had to be removed. The windows were replaced with insulated, thermally efficient windows.

Hoffmann Architects provided full-time site representation services to accommodate the unique construction conditions and scheduling concerns of the exterior portions of this project. The site representative was responsible for evaluating the progress and quality of the contractor's work and for determining that the work being performed was in general compliance with the contract documents. Hoffmann Architects also provided third party inspection and review services of the facade and roof installations at the new addition of the Loria Center for History of Art & Robert B. Haas Family Art Library. The project was awarded LEED Gold Certification.

AIA New York State
Historic Preservation
Award of Excellence, 2009

AIA Connecticut
Preservation
Design Award, 2009

International Concrete
Repair Institute
Award of Excellence, 2009

New York Construction
Magazine's Best of Awards
Award of Merit, 2009

Connecticut Building
Congress
Project Team Award
First Place, 2009

New Haven
Preservation Trust
Landmark Plaque, 2014

