

Edison Storage Battery Building



PROJECT

Edison Storage Battery Building
West Orange, New Jersey

CLIENT

Barton Partners Architects and Planners

DATES

2006 - 2007 Conditions Assessment, Design & Documentation

DESCRIPTION

Constructed by Thomas Edison in the early 1900s, the Edison Storage Battery Building is reflective of Edison's personal interest in concrete technology. The historic multi-storied concrete building is light pink in color with large steel industrial windows that pivot and provide light and ventilation to the interior spaces.

CHALLENGE

The exposed concrete structure was deteriorating in areas due to corroded reinforcement steel and general weathering. The steel industrial windows were not functioning properly and no longer desirable due to the buildings conversion from industrial to residential use. S. Harris Ltd. was retained to specify concrete restoration treatments and design window replacements that were to be sympathetic to the historic significance of the building.

SERVICES

Conditions Assessment

Inspected and assessed the entire 200,000 square foot façade to identify deteriorated elements.

Prepared treatment recommendations for deficient building elements, including cost estimates for the proposed work.

Provided a log of photographs documenting current conditions.

Construction Documents

Provided construction drawings and specifications for the concrete façade restoration. Repairs included epoxy crack repair with Sika products and replenishing the color with mineral stains by Keim Mineral Systems.

Provided typical construction details and schedules for the replacement of all 800 multi lite metal windows.

Presented findings and recommendations to the local Historical Commission.

POINTS OF INTEREST

The Edison Building is listed on the National Register of Historic Places.