



The LiRo Group

Client:

Dormitory Authority of the State of New York
One Penn Plaza
New York, NY 10119-0098

Reference:

David Galligan
718-658-4983

Total Project Cost:

\$5,800,000

Completion Date: 2002

Project Overview:

LiRo performed architectural and structural inspections, surveys, and evaluations; prepared reports; and provided construction contract documents for the exterior rehabilitation of 12 academic buildings at Brooklyn College for the Dormitory Authority, State of New York. (Dormitory Authority of the State of New York, \$5.8M, 2002)

Brooklyn College - Structural and Building Envelope Rehabilitation of Various Buildings

Brooklyn, NY

LiRo performed architectural and structural inspections, surveys, and evaluations;



prepared reports; and provided construction contract documents for the exterior rehabilitation of 12 academic buildings at Brooklyn College for the Dormitory Authority, State of New York.

The architectural features, facades, roofs, parapets, and structural systems of many of these buildings had deteriorated due to water leakage, weathering, and deferred

maintenance. The project involves the development of remedial design alternatives for interior and exterior architectural and structural deficiencies for corrective rehabilitation.

In-depth inspections of all facades, parapets, and roofs were performed. As part of the on-site condition surveys, probes and non-destructive testing was done to determine the causes of the facade and roofing deterioration and the magnitude of impairment to any adjacent areas such as bulkheads, cornices, parapets, soffits, etc. An infrared moisture survey was performed on the roofs of three buildings to determine the areas of the roofing systems where moisture infiltration occurred and moisture damage exists. The work includes design for the replacement of roofs; design for soffit repair; redesign of existing deteriorated structural steel supports with masonry walls; rehabilitation of masonry facades including repointing, masonry reconstruction and recaulking; design of new doors, frames, and hardware; window replacement and repair; and removal and resetting of exterior steps and landing.



Key Features:

- Architectural and structural inspections
- Surveying
- Probing and non-destructive testing
- Replacement of roofs
- Design for soffit repair
- Rehabilitation of masonry facades

