

Residence Halls, Massachusetts Institute of Technology ♦ Cambridge, MA



Tang Residence Hall



Westgate Apartments

Project Overview:

Vertical Access assisted the Massachusetts Institute of Technology Department of Facilities with capital repair planning by inspecting four high-rise residential buildings:

- Tang Hall (Building W84; Hugh Stubbins & Associates, completed 1972)
- Westgate Apartments (Building W85; Hugh Stubbins & Associates, completed 1962)
- Eastgate Apartments (Building E55; Eduardo Catalano, completed 1967)
- MacGregor House (Building W1; Pietro Bellschi and The Architects Collaborative, completed 1970).

Building descriptions:

The four residence halls comprising this investigation were completed between 1962 and 1972, as part of a significant expansion of MIT's campus facilities beginning in the early 1960s. Westgate and Eastgate Apartments were built to provide housing for married students, Tang Hall contains housing for single graduate students within apartment suites, and MacGregor House is an undergraduate dormitory. All four buildings are all concrete frame structures with exterior cladding consisting of pre-cast concrete panels at all buildings and brick at some. They are situated on the south end of the MIT campus, to the east and west of the central academic campus.

Challenges:

- Close visual examination of all areas of building façades.
- Documentation of fault conditions and preparation of treatment recommendations with schematic cost estimates for each building.

Solutions:

- Completed comprehensive, close-visual examination of buildings with minimal impact on building occupants and public.
- Multiple building inspections combined as a single project, reducing costs.

In collaboration with:

Massachusetts Institute of Technology,
Department of Facilities

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