

Project:

Balcony and Guardrail Rehabilitation
The Lighthouse

Client:

Halton Condominium Corporation No. 72
Oakville, Ontario

Description:

Concern by a resident for the safety of a pre-cast concrete balcony guardrail resulted in an investigation by Byrne Engineering into the condition of all guardrails, anchorages and balconies of the 20 storey high rise residential building.

The investigation revealed significant deterioration of many anchorages and a report was issued recommending replacement of the guardrail.

In consultation with the building owners, it was decided to replace the pre-cast guardrails with a lightweight aluminum railing system with a glass infill panel. The style was selected to blend in with the remaining pre-cast units.

At the same time as the railings were installed, any deteriorated concrete on the balconies was removed and replaced.



Byrne Engineering conducted the initial investigation, prepared contract documents, obtained competitive tenders for the work and provided technical review and contract administration during construction.