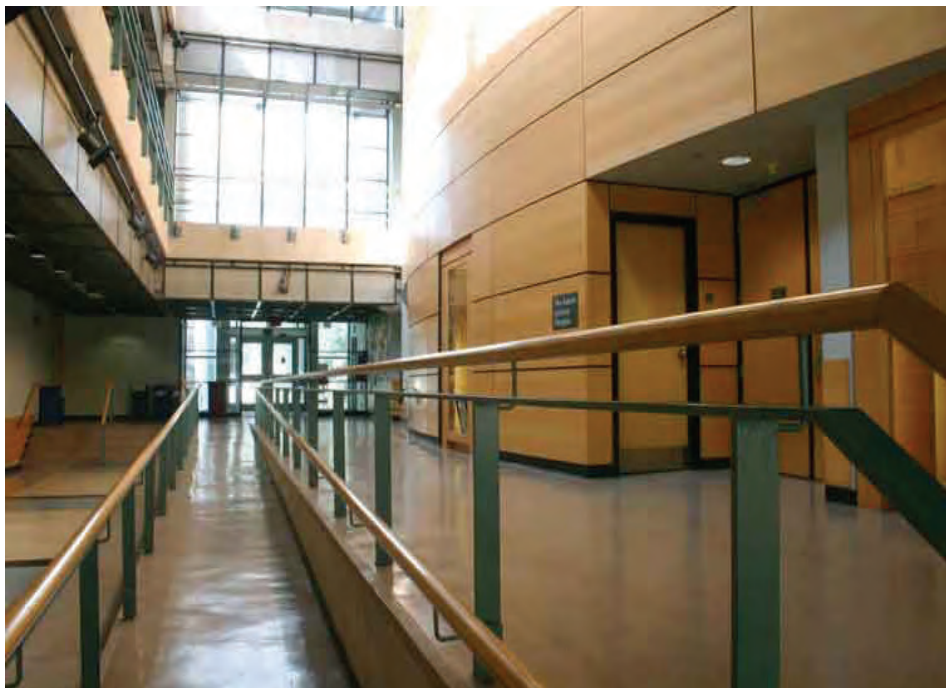


Project:

Rogers Communication Centre
Rehabilitation & Retrofit

Client:

Ryerson University
Toronto, Ontario



Description:

The Rogers Communications Centre (RCC) was built in 1991 and is Ryerson University's (RU) flagship building for studies in converging communications and interactive media. The RCC is Canada's premier facility for education in digital media communications and supports the schools of Fashion, Journalism, Image Arts, Radio & Television Arts and Theatre. The RCC is about design and research in a community employing both current and advancing communications technology.

In late spring of 2005, Ryerson University began planning for the renovation of 20,000 ft² of space in all three floors of the RCC. The work to be done included the demolition and renovation of several classrooms, lectures theatres, editing suites, offices, lounges, and newspaper and magazine editing rooms.

In early June of 2005, Byrne Engineering was chosen as a partner to work on a design-build team of engineers, architects, general contractor and sub-consultants. Due to the new school year starting in early September, it was necessary that all renovations be complete by the end of August. This extremely tight timeframe demanded a unique "fast-track" approach to the planning, design and building process.

While the architects developed the layout for the new rooms, Byrne created demolition drawings so that the contractor could begin removing the existing walls. Working in tandem with the architects, in three weeks, Byrne developed electrical, structural, mechanical, life safety and communications systems drawings for permit application.

During this project Byrne provided mechanical engineering services by reviewing and balancing the HVAC system, revising the sprinkler system, and adjusting piping where required. Byrne designed the entire electrical power system for the project including routing of all electrical cables, lighting, security access & cameras and several new electrical rooms. Due to the demanding audio/visual/networking technology required by the programs in this building, Byrne was also responsible for re-designing the communications system for the entire building. Byrne also provided ongoing site supervision of construction.

The \$2.5 million dollar renovation was completed on time and on budget with students moving into the new rooms in early September.