



**IRC GROUP**  
Building Science Engineers & Consultants

BUILDING ENVELOPE  
ROOFING  
STRUCTURAL ENGINEERING

## PROJECT PROFILE – *Roofing Database and Asset Management*

**Project Name:** McMaster University



### Description

Over a two-year period IRC undertook a project to survey the roof area at 49 facilities on the McMaster University campus in Hamilton. (1.3 million sq. ft.) The client required written reports and roof plans for each building that identified key roofing information such as age, size, height, access, composition, current condition, defects, work history, service life expectancy and recommended maintenance.

### Objective

The objective of the project was to consolidate all roofing information into a central database. They required that information be easily accessible, comprehensive with the ability to track and document the information on an ongoing basis

### Challenges

Like many multi-facility owners, McMaster's roofing information was housed in various locations and files. Quick access was an issue. The ability to effectively maintain a large database and efficiently plan for roof maintenance and capital replacement was challenging.

### Solutions

IRC Group performed detailed surveys of each roof area collecting all information relative to their existing condition. The data was assembled, analyzed, and transferred to an electronic roofing database program named RoofPRO. Updates to the database allow the client to constantly track ongoing roof replacement projects and maintenance. This allows McMaster Facility Managers to have up to the minute access to all their roofing information. More importantly capital planning and budgeting for maintenance becomes a much more efficient exercise.

For more information, please contact IRC Group at 1-888-607-5245.

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