

Rob Pacholok

B.Sc., M.Sc., P.Eng.

Experience

Rob Pacholok has over forty years of experience in the field of building engineering. Rob's primary area of expertise is the building envelope: walls and masonry. Rob's background also includes masonry restoration and structural design.

Rob started his career with the consulting firm of Halsall - Stanley Associated Ltd. after graduation in 1980 and worked as a project engineer on building engineering projects throughout Western Canada for two years.

In 1982 Rob joined I.XL Industries Ltd. where he worked for nine years and finished as Technical Services Manager. Rob developed innovative applications for brick utilization, as well as, provided structural expertise to Architects and Engineers in masonry restoration and the design and construction of unique and innovative details and wall systems involving masonry.

In 1985, as part owner, Rob started Fero Corporation where for thirteen years he served as President, General Manager and Director. Fero manufactured masonry connectors co-invented by Rob (4 Canadian & 3 U.S. patents), and provided consulting engineering in structures, building science, renovation and restoration.

As part owner, Rob started Canadian Galvanizing in 1998, and served as General Manager for six years.

In 2004 Rob joined Building Science Engineering Ltd. (BSE) which offers design, investigation, testing and

inspection services primarily related to the building envelope.

Projects

Notable projects Rob has worked on include:

Alberta Legislature Building
Corbett Hall, U of A - Edmonton.
St. Albert Parish Church - St. Albert.
William J. Cadzow Hospital - Lac La Biche.
North Tower, N.A.I.T. - Edmonton.
Meany Hall, University of Washington - Seattle.
Hillsborough Place - Edmonton.
Robertson Wesley United Church – Edmonton.
Eaton Park (12 storeys) - Edmonton.
Coal Harbour – Vancouver. Sheraton Eau Claire – Calgary.

Education

- B.Sc. Civil Engineering
University of Alberta, 1978
- M.Sc. Civil (Structural)
Engineering
University of Alberta, 1980

Memberships

- The Association of Professional Engineers, Geologists and Geophysicists of Alberta
- Association of Professional Engineers and Geoscientists of Saskatchewan
- Association of Professional Engineers of Ontario
- Member: CSA S304.1
“Masonry Design for Buildings (Limit States Design)”
Technical Committee

Publications

- “Cavity & Veneered Walls – Better Quality at Less Cost”, Construction Canada, 1997.
- “Composite Walls”, co-author, Seventh Canadian Masonry Symposium, Hamilton, 1995.
- “Engineered Masonry Connectors”, Fero Corporation Technical Publication, 1991.
- “Design Compressive Strength of Hollow Clay Brick”, co-author, I.XL Industries Technical Publication, 1990.
- “I.XL Brick Fences”, I.XL Technical Publication, 1990.
- “Hollow Clay Brick Design Guide”, I.XL Industries Publication, 1990.
- “Compressive Strength of Hollow Clay Brick Masonry”, co-author, Alberta Masonry Institute Publication No. 17, 1990.
- “Prefabricated Masonry”, co-author, 7th International Brick Masonry Conference, Melbourne, Australia, 1985.
- “Masonry Sound Barrier Walls”, co-author, Alberta Masonry Institute Publication No. 22, 1983.