

Experience

Chris Makepeace has over forty years experience in the area of building science and is considered one of the leading authorities on the performance of aluminium and glass curtainwall and sloped glazing systems. Chris has an extensive background both in the practical and theoretical aspects of building science.

Chris served as a project manager for Pilkington Glass Ltd. where he supervised the day to day installation of glazing systems on major office towers. Chris then worked as a project manager and inspector for a large architectural firm where he oversaw the construction on some of Edmonton's most prestigious buildings. Prior to joining Building Science Engineering Ltd, Chris was Manager of Walls and Windows at Alberta Infrastructure where he evaluated the design of proposed projects and advised on the resolution of problems in existing buildings.

Chris has written a number of papers on building science and glazing issues. Chris has made presentations to the Alberta and British Columbia Building Envelope Councils, Ryerson Polytechnical Institute, University of Alberta, Alberta Glass Trades Association, Canada Mortgage and Housing Corporation, Canada National Research Council and PCL Constructors.

Projects

Projects Chris has worked on include:

Scotia Place and Manulife Building (Edmonton)
Edmonton Centre Phase 4
Edmonton Convention Centre
Eaton's Centre (Toronto)
TD Square (Calgary)
Edmonton Police Services Building
Drumheller Museum
Cardston Museum
Numerous hospitals, schools, seniors facilities, in the province of Alberta.

Education

Ryerson Polytechnical Institute
Toronto, Ontario
Bachelor of Technology,
Architectural Building Science

Memberships

- Alberta Building Envelope Council (ABEC)
- Construction Specifications Canada
- Steering Committee Member for the Best Practice Guide, Glass and Metal Curtain Walls

Publications

- Adapting PERSIST for the Prevention of Water Accumulation in Residential Wood Frame Construction, ASTM Conference 1992, Clearwater Florida.
- PERSIST Construction for Hospitals in Alberta (Healthy Building/IAQ 1997)
- The Glass Roof: Sloped Glazing Need Not Leak (ASHRAE: Thermal Envelopes VI/Moisture & Air Leakage Control 1 – Practices, 1995)
- Joints: Curtainwall Glazing, ABEC Conference.
- Building Envelope Problems & Solutions, Healthy Buildings 1997, Washington D.C.
- Details for PERSIST Pressure Equalized Rain Screen Insulated Structure Technique. ASTM Conference 1992, Clearwater Florida.
 - Residential
 - Commercial
- ASTM - MNL 18 Moisture Control in Buildings –Chapter 16.