

AMIR HASSAN, M.Sc., P.E., P.Eng.

BUILDING ENVELOPE & FORENSIC RESTORATION



AREAS OF PRACTICE

Industrial
Commercial
Institutional
Residential
Government
Cultural
Sports and Recreation
Education and Research

EDUCATION

B.Sc. in Civil Engineering
1995

M.Sc. in Façade
Engineering 2010

Building Enclosure
Commissioning Certificate
2015

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PROFILE

Amir Hassan has over 23 years of experience in BE & FR in the Middle East, Europe and North America. He has worked on very complex projects for both existing buildings (including historical and heritage buildings) and new construction. His Building Science knowledge includes work with structural glass, curtain wall design and evaluation, frameless and skylight systems, structural assessment, property condition assessment, building enclosure commissioning, roofing systems, weather-tightness, energy modeling, thermal performance, and thermography.

Amir holds a Bachelor of Science degree in civil engineering, and a Master of Science degree in Façade Engineering. He is a frequent speaker and author on building restoration, roofing and building envelope topics. Amir is also versed with AutoCAD, Therm, WUFI, FEA, CAN-Quest, Autodesk-Robot and other widely utilized engineering programs.

PROFESSIONAL ASSOCIATIONS

Association of Professional Engineers and Geoscientists of Alberta	APEGA
Texas Board of Professional Engineers	TBPE
Centre for Window and Cladding Technology	CWCT
American Concrete Institute, Alberta Chapter	ACI
Canadian Condominium Northern Alberta Chapter	CCI
Building Owners & Managers Association	BOMA
Roof Consultants Institute	RCI
Façade Tectonics Institute	FTI

PROFESSIONAL EXPERIENCE

- Memorial Hermann NE Hospital, Houston, TX (2018): BE&FR Director – Building Envelope Consulting
- 5th & Colorado Tower, Austin, TX (2018): BE&FR Director – Due Diligence
- Ice District Tower A, Edmonton, AB (2017): Senior Specialist - Façade Engineering Consulting
- Legislature Building Skylights Replacement, Edmonton, AB (2017): Technical Reviewer - Building Envelope Consulting
- Portland Building Reconstruction, OR (2017): Senior Specialist - Technical Reviewer - Building Envelope Restoration Consulting
- Edmonton Police Service, Edmonton, AB (2016): Technical Lead - Building Envelope Consulting
- Inglewood K-5 School, Red Deer, AB (2016): Technical Lead - Building Envelope Consulting
- The Westin Hotel, Edmonton, AB (2016): Technical Lead - Building Envelope Consulting - Roof replacement

- Casa Romana Seniors Residence, Edmonton, AB (2016): Technical Lead - Building Envelope Consulting
- Mayfair Village North, Edmonton, AB (2016): Technical Lead - New Building Envelope Consulting
- National Music Centre of Canada, Calgary, AB (2015): Technical Lead - New Building Envelope Consulting
- The Pearl, Edmonton, AB (2014): Project Principal - New Building Envelope Consulting
- Mill Woods Library, Edmonton, AB (2014): Project Principal - New Building Envelope Consulting
- Twin Atria, Edmonton, AB (2013): Project Principal - Skylights Replacement Program
- Bowker Building, Edmonton, AB (2012): Project Manager - Building Envelope Condition Assessment
- Clearwater Court Condominium, Edmonton, AB (2012): Project Manager - Balcony Replacement Program
- Southwest Edmonton Arena, Edmonton, AB (2012): Technical Lead - Building Envelope Consulting
- Parkview Place Condominium, Edmonton, AB (2011): Engineering Consultant - North Wall Stucco Review
- One Reading Central, UK (2009): Project Manager - New Building Envelope Consulting – Curtain Wall Design
- Westfield London, UK (2008): Façade Consultant - New Building Envelope Consulting
- Helen Devos Children Hospital, USA (2006): Project Engineer - New Building Envelope Consulting
- Jumeriah Beach Hotel, UAE (1996): Design Engineer - New Building Envelope Consulting

PUBLICATIONS AND PRESENTATIONS

- Structural Soundness of Curtain Wall Systems, SEAoT, Dallas, TX
- Better BE Communication, Building Enclosure Council, Houston, TX
- Building Envelopes under Energy Codes, ICBEST Istanbul, Turkey
- NECB 2011 and Building Envelope Systems, Buildex, Edmonton, AB
- BOMI Course: Design, Operations, & Maintenance of Buildings, BOMA, AB
- Better Blankets for Greener Buildings, Construction Canada Magazine
- Making the Most of Moisture Barriers, Buildex, Edmonton, AB
- Condensation within Building Skin, Economic Forum, Bern, Switzerland
- Airtightness of Fenestration, ABAA Conference, Dallas, TX
- Reducing Condensation Risk in Buildings, RCI Technical Symposium, Tampa, FL
- Design, Operations & Maintenance of Buildings, BOMI, BOMA, Edmonton
- Glass Selection for Wind Loading in International Standards, UoB, Bath, UK
- Roof Assessment using Thermography, InfraCanada, Banff, AB