Jayna Joachim, B.E.Sc.

647-808-2520 · jayna@beli-eng.com

Employment History

Jayna Joachim is a Building Science and Sustainability Services Project Manager at Building Enclosure Labs Inc. (BELi). She was previously employed at Edison Engineers Inc. (EE), and engineering consulting firm, as a Project Associate where she conducted condition assessments and managed restoration projects.

Education & Teaching

Assisting Sessional Teaching (2024) - Building Science for Retrofits, George Brown College

B.E.Sc. Civil Engineering, Western University, London, ON

- Sustainability Committee Member for Western Undergraduate Engineering Society (UES) 2020-2021

Notable EE Projects

Working primarily with Greater Toronto Area condominium corporations, Jayna's projects revolved around repairing and restoring existing residential buildings. She conducted site reviews and testing to identify deficiencies and defects, designed repairs, executed the bidding and tendering process, and provided consulting services throughout the construction phase. Projects included:

- Concrete balcony restoration
- Wood balcony restoration
- Parking garage restoration
- Water leak repairs (various)
- Window replacement
- Masonry repairs
- Waterproofing repairs

BELi Projects

Enclosure Consulting services for a new affordable housing building currently being constructed by the City of Hamilton, Ontario. This building is targeting Passive House certification. Project role includes site reviews and reports, shop drawing reviews, product reviews, and construction support. Subsequent whole-building air tightness testing was completing and the building exceeded the 0.6 ACH target by achieving a 0.09 ACH.

Building Enclosure Consulting services for the conversion of an existing church site into an affordable housing complex. The retrofit includes the goal of minimizing utility/ maintenance costs while maintaining a high degree of occupant comfort. Project role includes site reviews and reports, shop drawing and product reviews, and construction support. Air tightness testing and water tightness testing of a minimum of two window samples will be subsequently performed by BELi to the specified ASTM standards.

BELi was the Building Envelope Commissioning Agent for the City of Mississauga's construction of a new Fire Station which is targeting Net-Zero energy. Project role has included carrying out field reviews of the ongoing construction to ensure conformance to design is met and fenestration testing to ensure windows are installed to the specified standard. Subsequent whole-building airtightness testing was performed by BELi after construction was complete, which proved that the building met the air tightness goals.

Supporting role in the Embodied Carbon Assessment of building enclosure materials and systems for Multiunit Residential Buildings for BC Housing to achieve lower embodied carbon emissions in the province.

Assisting colleague Tristan Rouse at George Brown College in his role as Lecturer of a building science course covering building envelope design.