

# Hussein Robah

BCIN, GSI



120 Watline Avenue, Unit 8  
Mississauga, Ontario  
L4Z 2C1

## EDUCATION

Civil Engineering Infrastructure Technology, Bachelor of Eng. Tech. (Present)  
McMaster University, Hamilton, ON

Civil Engineering Technology, Ontario Advanced Diploma (2020)  
Seneca College, Toronto, ON

## PROFESSIONAL REGISTRATION & LICENSING

- Registered Building Code Designer BCIN #113520:
  - House
  - Small Buildings
  - Large Buildings

## TECHNICAL AFFILIATIONS AND CERTIFICATIONS

- Associate Member of Ontario Association of Civil Engineering Technicians and Technologists (OACETT)
- Canadian Construction Association – Gold Seal Certified Intern
- Autodesk Certificate in Civil Engineering
- OHSA Supervisor Health & Safety Awareness Certificate
- IHSA Working at Heights Supervisors Certificate

## PROFESSIONAL EXPERIENCE

Hussein is a Structural Engineering Technologist and BCIN qualified designer with experience in construction, structural and architectural design, and Building Information Modelling. He specializes in creating architectural drawings using Autodesk REVIT, as well as preparing structural plans and performing calculations for wood, steel, and concrete structures. Hussein has comprehensive knowledge of the Ontario Building Code and experience applying the requirements of Parts 3, 4 and 9 to new and existing buildings. Hussein is an associate member of the Ontario Association of Civil Engineering Technicians and Technologists and is working towards a C.E.T. designation.

### January 2023 to Present

Structural Designer and Forensics Investigator, *Origin and Cause*  
Mississauga, ON

- Interpret field notes, sketches and data from engineers and investigators to create design drawings for rebuild of damaged buildings
- Perform field verification and measurements and accurately transfer this information to the drawings
- Prepare formal engineering plans, drawings and procedural documentation as required by building departments
- Create plans in accordance with applicable codes in correspondence with standards relevant to design specification
- Prepare details for individual structural members and connections
- Provide project drafting and be accountable for schedule and efficiency
- Perform quality control and field dimensional checks to confirm items are built in accordance with drawings, document control
- Conduct site observation and/or inspection activities during design or construction phases of the project
- Liaise with contractors, design professionals, district staff and city inspection authorities for the purpose of coordinating projects, project design, costing and obtaining permits

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## January 2022 to January 2023

Truss Designer, **Alpa Roof Trusses (Alpa Lumber Group)**

Stouffville, ON

- Review architectural and structural plans to create Roof Truss layouts using Mi-tek Sapphire software in 2D & 3D
- Design and examine roof trusses using Mi-Tek Engineering Software
- Apply structural analysis methods and calculate/determine loads
- Review, manage and co-ordinate sub-contracted projects
- Coordinate with architects/engineers as required regarding project requirements
- Coordinate with in-house engineers and production department regarding manufacturing limitations and possible structural failures
- Generate pricing and quotes for projects

## December 2018 to December 2021

Structural Designer (Revit/BIM), **Yej Studio & Consulting Inc.**

Markham, ON

- Create existing industrial & residential plans in preparation for design using Autodesk REVIT (Structural & Architectural)
- Prepare Structural plans and Structural Calculations using CSD iStruct Software for Wood Framing & RAM Structural for Steel & Concrete
- Apply OBC requirements of Part 3, Part 4 and Part 9
- Assist in the design process of new builds and renovations
- Coordinate with clients & municipalities regarding project requirements and design
- Attend site visits & preparing site review sketches
- Proficient in preparing detailed drawings & construction drawings for Building Permits

## December 2018 to December 2021

Junior Project Manager, **NDC Development Corporation**

Vaughn, ON

- Review drawings including Architectural, Structural, Mechanical and Electrical
- Prepare quantity take offs using Planswift, CAD, Revit and Excel
- Communicate and engage directly with architects, engineers and owners regarding project requirements and specifications
- Prepare project proposals, budgets and bid documents
- Attend site meetings and inspections
- Coordinate with subtrades and site supervisors throughout projects
- Prepare and handle Project Schedules using MS Project

## SKILLS AND QUALIFICATIONS

- Proficient in REVIT with 4 years of work experience