# Paul Ojo, P.Eng., M.Eng.

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### **PROFESSIONAL SKILLS**

- Over eight years of experience in structural engineering design and construction—Reinforced Concrete Structures, Masonry structures, Wood/Timber Structures, Steel Structures, light frame wood trusses and engineered wood products (EWP).
- Knowledge of the principles that govern the design of light-frame wood trusses and wood structural framing practices
- Knowledge and demonstrated use of concrete, steel, and timber design handbooks
- Demonstrated skill with structural analysis of buildings and foundation
- Knowledge of design software such as RISA 3D, WoodWorks, Tekla Tedd, SAFE, IDEA StatiCa, AUTOCAD, and MiTek's proprietary design software (Sapphire and MiTek Engineering)
- Knowledge of National Building Code of Canada (NBC), Ontario Building Code, and other design standards such as CAN/CSA A.23.3, CAN/CSA-S16, TPIC2014, CSAO86-14, CSAS347-14,
- Skilled in Microsoft office Suite (Word, Excel). Excellent interpersonal, presentation and communication skills.
- Sealing and approving engineering drawings since 2017

### **PROFESSIONAL EXPERIENCE**

### <u>Structural Engineer</u> Biaxial Building Services Group, Etobicoke/Barrie

- Structural design of retaining wall
- Structural design of buildings (masonry, concrete, wood/timber and steel) according to provincial & national standards & codes
- Conduct site reviews for projects under construction and prepare site reports
- Structural design of building additions and renovations

### **Structural Engineer**

### **Steenhof Building Services Group, Orillia Ontario**

- Structural design of retaining wall
- Structural design of buildings (masonry, concrete, wood/timber and steel) according to provincial & national standards & codes
- Conduct site reviews for projects under construction and prepare site reports
- Assist with the preparation of proposals, including scopes of work and fee estimates, for structural engineering work
- Structural design of building additions and renovations
- Structural design of Solar Photovoltaic (PV) Racking Structures (Roof and ground mounted)
- Mentoring engineer-in-training

### **Design Engineer**

### MiTek Canada Inc. Bradford Ontario

- Provide engineering support to customers using MiTek's proprietary design software
- Review /approve product designs as part of MiTek's software certification and truss detailing services
- Review 3D models, framing layouts and truss placement plans to ensure accuracy
- Design and review of engineered wood products (EWP) & metal-plated wood trusses for residential, commercial and agricultural farm structures.
- Detail and approve structural connections (wood /steel)
- · Provide front-line communication with MiTek's clients and end users of MiTek's products/services
- Engage in project-specific coordination with designers, engineers, clients
- Design of site-modification details and reinforcement for damaged wood trusses/frames

### **Design Engineer**

### Tarpin Lumber Inc. Innisfil Ontario

• Review 3D models in Sapphire, roof framing layouts and truss placement plans to ensure correctness

### April 2021 – Mar 2022

March 2022 – Present

### 2018 - 2021

### 2017 - 2018

- Design and review of engineered wood products (EWP) such as LVL beams, I-joist, LSL studs & metal-plated wood trusses
- Design of residential building-beams, wood stud walls, steel columns, basement foundation walls and footings
- Specification of adequate structural steel connections for roof trusses and engineered wood products (EWP)
- Provide engineering support for the design team and truss production staff
- Design of site-modification to wood trusses; repair of damaged wood trusses and other engineered wood products

### **Utility Structure Engineer**

### UTS Consultants Inc., Consulting Engineers, Fergus Ontario

- Structural design and detailing of reinforced concrete Manholes / Vaults structures
- Design of steel anchoring system for conduit structure to be attached to side of Bridge structure
- Design of temporary support systems for utility cables during subway construction in downtown Toronto.
- Determination of Structural Integrity of Manholes and Preparation of Manhole Inspection Reports
- Engineering design of Utilities Aerial Poles in accordance with ESA Reg. 22-04 and CSA C22.3. No.1

### **Structural Engineer E.I.T**

### **CSK Consulting Engineers, Lagos Nigeria**

- A. Structural design of two-story residential building:
- Manual estimation of dead loads and live loads. Manual structural analysis and design of structural members such as reinforced concrete flat slabs, one-way and two-way spanning slabs, beams and columns; Structural analysis and design of foundation pad footings, whereby the load bearing capacity of the soil was used in the design.

### B. Structural Design of high-rise buildings:

- Most of my assignments here were always preliminary analysis, checks and designs with which preliminary drawings will be produced for review with all Consultants involve on the projects
- CSI ETABS, SAFE, SAP2000 are always used to carry out an integrated model and design using the results from my preliminary calculations. Once the scheme is frozen, I worked with other members of the team to prepare detailed general arrangement layouts of the structures, editing and modifications of the structural drawings produced by SAFE.

### Structural Engineer E.I.T / Site Engineer

### **Designhaus Construction Limited, Lagos Nigeria**

- Construction site and building setting out
- Working alongside with the senior structural engineer in the design and supervision of the construction of four-story hospital building, portal-frame steel warehouse and one storey office building,
- Structural analysis and design of the office building which was reviewed and sealed by the senior structural engineer:
  - i. Manual calculation for the analysis and design of the structural members (slabs, beams, and columns)
  - ii. Structural analysis and design of the foundation; a cellular raft foundation was adopted due to the nature of the soil. The cellular raft consists of a down-stand beam and slab.
- Attended technical coordination meetings

### **EDUCATION**

University of Windsor, Windsor, Ontario	2015
Master of Engineering (focused on Structural Engineering)	
<b>Obafemi Awolowo University, Ile-Ife, Nigeria (Africa)</b> Bachelor of Science (Civil Engineering)	2010
PROFESSIONAL LICENSE	
Licensed Professional Engineer of Ontario	2016
• Licensed Professional Engineer of Alberta, British Columbia, Saskatchewan and NWT	2018

## 2011 - 2013

### 2015 - 2017

2013 - 2014