

VICTOR YIN-BOND WONG

7207-44 AVENUE, EDMONTON, AB • (780) 707-8223 • thevictorwong@gmail.com

HIGHLIGHTS OF SKILLS

- Over eight years' experience in the electrical engineering design industry.
- Extremely well versed in designing and drafting power distribution, lighting, communications, life safety, and security layouts of commercial and light industrial buildings in accordance to electrical and building codes.
- Performed numerous fire alarm verifications and on-site electrical inspections, testing and troubleshooting.

EDUCATION

Northern Alberta Institute of Technology (NAIT), Edmonton, Alberta

Electrical Engineering Technology, Diploma

2013 – 2016

- A comprehensive study of electrical principles and practices, this nationally accredited program deals with the operation of electrical and electronic equipment, specialized testing equipment and computer software.
- Relevant courses: Industrial Communications, Transformer Theory, Power Electronics, Programmable Logic Controllers (PLC), Electrical Design, Field Service Testing, Machines, Protective Relay Testing.
- Final Capstone research project on Fire Alarm System Verification for Senior Care Facilities.

Electrical Code (Part 1 & 2) Electrical Trades Courses

September – December 2012

- Introductory courses dealing with Part I of the Canadian Electrical Code (CEC).

Fire Detection and Alarm Systems Electrical Trades Courses

November 2008

- A course focused on the Alberta Building Code (ABC), the CEC and the CAN/ULC standards pertaining to fire alarm design, installation, inspection, verification and maintenance.

University of Alberta, Edmonton, Alberta

Electrical Engineering Program, partial completion

1994, 1997 – 2001

TRAINING

CSA Group, Edmonton Alberta

August 2015

Fundamentals of the 2015 Canadian Electrical Code (CEC) for Engineers and Technologists

- A three day refresher course on the latest updates to the CEC.

Digital School Corp., Edmonton, Alberta

September 2008

AutoCAD 2009 Level 1 Certificate

- An AutoCAD course comprising of 35 hours of comprehensive training.

Additional Skills

Proficient in using Microsoft Word, Excel, PowerPoint, Outlook, Google Apps; developed lighting designs in DIALux, AGi32; creating PDFs in Adobe Acrobat Professional; Adobe Photoshop; Revit. Some experience with ASPEN, ETAP, PLC; field service testing of power cables, power/instrument transformers, protective relays, and circuit breakers.

PROFESSIONAL

Morrison Hershfield Ltd., Edmonton, Alberta

April 2013 – April 2016

Electrical Computer-Aided Design (CAD) Technician

- Drafted electrical layouts and designs (power distribution, lighting, communications, life safety and security), single line drawings, details and design sketches of commercial and light industrial buildings in accordance to electrical and building codes.
- Performed electrical calculations: power distribution, voltage drop and short circuit fault.
- Examined drawings and specifications for conformity and errors.
- Performed on-site electrical inspections, reserve fund studies, building condition assessments, commissioning, field service testing (insulation resistance test on feeder cables), and fire alarm verifications.

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- Drafted site, office/shop lighting, power, and data; provided preliminary circuiting and filled in panel schedules; laid out security and communication plans (*North East Transit Garage*, Edmonton, AB).
- Designed and drafted site and facility fire alarm system for purposes of upgrading to latest Code standards; oversight of draftspersons works designs and CAD standards. Performed on-site inspection for the purposes of auditing site for re-design. Prepared proposal for client for approval before main design. Communicated with clients and engineering consultants from other disciplines regarding projects in a team orientated environment (*Cold Lake Health Care Centre*, Edmonton, AB).
- Performed on-site fire alarm verification in accordance to the CAN/ULC S537 *Standard for the Verification of Fire Alarm Systems* and Alberta Building Code. Drafted life safety layouts based on contractor red line mark ups (*Edmonton General Continuing Care Centre*, Edmonton, AB).

SCL Engineering Ltd., Edmonton, Alberta

June 2011 – March 2013

Computer-Aided Design (CAD) Draftsperson

- Drafted electrical (power, lighting) & mechanical (HVAC, plumbing) engineering designs, drawings, and sketches for construction and addendums.
- Examined drawings for conformity and errors.
- Drafted electrical load center on site plan from single line diagram sketch and Mechanical HVAC ductwork and infrared heaters on plumbing drawings (*ProPipe*, Pouce Coupe, BC).

M.K. Engineering Inc., Edmonton, Alberta

March 2007 – October 2009

Computer-Aided Design (CAD) Draftsperson

- Drafted electrical layouts and designs (power distribution, lighting, communications, life safety and security) of residential, commercial and light industrial buildings in accordance to electrical and building codes.
- Oversight of draftspersons' work adheres to design and CAD standards.
- Performed on-site fire alarm verifications for the purposes of ensuring the safe practices of the engineer.
- Performed document control administration with regards to design changes, engineering specifications, and operating and maintenance manuals.
- Communicated with clients, utility companies, architects, and engineering consultants from other disciplines regarding projects in a team orientated environment.

VOLUNTEER

Edmonton Emergency Relief Services Society, Edmonton, Alberta

May 2016

General Helper

- Helped distribute water to displaced residents of Fort McMurray at the old Target in Kingsway Mall.

ORGANIZATIONS

ASET (Association of Science and Engineering Technology Professionals of Alberta)

September 2013 – present

Technologist-in-Training (TT)

IEEE (Institute of Electrical and Electronics Engineering)

January 2001 – present

Member

CFAA (Canadian Fire Alarm Association)

January 2013 – present

Associate Member

REFERENCES

Available upon request.