

Russell JONES, P.ENG.

SENIOR MECHANICAL ENGINEER

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AREAS OF SPECIALTY

Building Mechanical Systems

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

Professional Engineers and Geoscientists of Newfoundland and Labrador (PEGNL)

MEMBERSHIPS, TRAINING AND CODES

ASHRAE

Carrier HVAC Design*(See <https://www.carrier.com/carrieruniversity/en/us/training-courses/courses/fundamentals-of-hvac-design/>)

First Aid**

Fall Arrest**

* With JAD Engineering Limited

** With various companies over the years. These have since lapsed.

AEL's licensed code List is extensive. All CSA Publications are now free for viewing. A membership with Subscription to NFPA Link allows viewing of any of their codes. The latest versions of other applicable codes are purchased on a project-by-project basis.

EDUCATION

Bachelor of Engineering (Mechanical), Memorial University of Newfoundland, 1987

EXPERIENCE

Mechanical Designer with over 34+ years of experience. Responsibilities have included consulting engineering for building mechanical systems. Projects worked on include commercial, residential, industrial, institutional, and offshore projects. Duties have included the design, drafting (ACAD), supervision, contract administration, etc. of heating, ventilation, air conditioning, plumbing, natural gas piping, medical gas, fire protection, refrigeration (including ammonia), hot water systems, steam systems, and controls.

Alpha Engineering Limited	Oct 2019- Present
CIMA+ (On Contract)	April 2019 – Oct 2019
Alpha Engineering Limited	July 2018 - March 2019
Alscott Air System (On Contract)	March 2018 - June 2018
Silk Stevens Limited	July 2017 - Feb 2018
Alpha Engineering Limited	Nov 2016 - July 2017
WSP Group	May 2015 - May 2016
Crosbie Engineering	2014-2015
Maderra Engineering	2011-2014
CBCL Limited, St. John's, NL	2001 - 2011
EDM Limited, St. John's, NL	1998 - 2001
Atlantic Medtec Limited, Harbour Grace, NL	1991-1998
Anrap and Associates, Toronto, Ontario	1990-1991
JAD Engineering Limited, Toronto, Ontario	1988-1990

The following are a sample of the type of construction projects I have been involved with over the last 34+ years:

New Construction

- CRRS OPERATIONS BLDG DRAWINGS FOR PERMIT/CONSTRUCTION, HVAC, PLUMBING, ELECTRICAL, 12,000 SQ FT, OFFICE BLDG., LAB CITY, NL
- Mamattuk Kitchen, Bar & Garage, Kitchen Equipment Layout
- BLDG DRAWINGS FOR PERMIT/CONSTRUCTION, HVAC, PLUMBING, ELECTRICAL, 4000 SQ FT RAINBOW RAILWAY DAYCARE, CARBONAR, NL.
- BLDG DRAWINGS FOR PERMIT, HVAC, PLUMBING, 3500 SQ FT, ALL ABOARD DAYCARE, SPANIARD'S BAY, NL.
- VAC Design – SPCA Building, SPANIARD'S BAY, NL.
- HVAC, PLUMBING, DDC, MAINTENANCE GARAGE/WASH CAT777D TRUCKS, ST. LAWRENCE, NL
- HVAC, PLUMBING, CONTROLS, STORE WAREHOUSE, HVGB, NL.
- HVAC, PLUMBING, KNIGHTS OF COLUMBUS BUILDING, HVGB, NL.
- VENTILATION, FRONTLINE ACTION INDOOR PLAY CENTER.
- HVAC, PLUMBING, SPRINKLER, DDC, LEED, BAIE VERTE SCHOOL, BAIE VERTE, NL
- HVAC, PLUMBING, SPRINKLER, DDC, GANDER FIRE STATION, GANDER, NL
- HVAC, PLUMBING, SPRINKLER, MEDICAL GAS, HOT WATER RADIATION, CHILLED WATER, DDC, BONNE BAY HOSPITAL, BONNE BAY, NL
- HVAC, PLUMBING, SPRINKLER, DDC, RECREATION COMPLEX, DEER LAKE, NL
- HVAC, PLUMBING, SPRINKLER, AMMONIA REFRIGERATION AND ICE MAKING EQUIPMENT, STADIUM, PLACENTIA, NL
- MECHANICAL, VISITOR ORIENTATION CENTRE, PORTUGAL COVE, NL
- HVAC AND PLUMBING FOR 110,000 FT², 255-PERSON PERMANENT ACCOMMODATION COMPLEX, VOISEY'S BAY NICKEL COMPANY, LABRADOR
- HVAC, PLUMBING, HOT WATER RADIATION, WHITE BAY SCHOOL, WHITE BAY, NL
- HVAC, PLUMBING, DDC, RODDICKTON ALL-GRADE SCHOOL, RODDICKTON, NL
- HVAC, CRESCENT COLLEGIATE SCHOOL, BLAKETOWN, NL
- HVAC, PLUMBING, DDC, PLUM POINT ALL-GRADE SCHOOL, PLUM POINT, NL
- HVAC, IN-FLOOR HEAT, PLUMBING, WASTE OIL DISPOSAL, GARAGE SYSTEMS, TRANSPORTATION AND WORKS DEPOT DOYLES, NL
- HVAC, AMMONIA REFRIGERATION, PLUMBING, SHRIMP, COLD STORAGE/OFFICE SPACE, HARBOUR GRACE, NL
- HVAC, PLUMBING, SEWAGE TREATMENT PLANT, BURLINGTON, ON
- HVAC, PLUMBING, GAS STORAGE AND DISPENSING, GEO GAS STATION, ST. JOHN'S, NL
- VENTILATION, PLUMBING, STEAM PROCESS, BEEF STEW CANNERY, ARGENTIA, NL
- HVAC, PLUMBING, SHOPPER'S DRUG MART, BURLINGTON, ON
- VENTILATION, PLUMBING, SENIOR'S COMPLEX, GRAND FALLS-WINDSOR, NL
- HVAC, PLUMBING, FIRE PROTECTION, SCOTIA BANK, BAY ROBERTS, NL
- HVAC, PLUMBING, IN-FLOOR RADIATION HEAT, DDC, IRVING FBO BUILDING, GANDER AIRPORT, NL
- HVAC, HEBRON DES AND DSM MODULES FOR HEBRON GBS, CONTRACTED OUT BY MADERRA ENGINEERING TO RDS ENGINEERING UNDER WORLEY PARSONS AND THE OWNER EXXON MOBIL
- MAD DOG-2 FPSO GULF OF MEXICO, ON CONTRACT TO ALSCOTT AIR SYSTEMS.
- HVAC, PLUMBING, VEHICLE EXHAUST, SPRINKLER, OWEN SOUND WORKS MAINTENANCE GARAGE, ON

RENOVATIONS

- WAREHOUSE TO 5 APARTMENTS CONVERSION, L'Anse au Clair, NL.
- VENTILATION, PLUMBING, NAILS TIME, ST. JOHN'S, NL.
- HVAC, PLUMBING SPRINKLER, NEWFOUNDLAND CHOCOLATE OUTLET STORE, ST. JOHN'S AIRPORT, ST. JOHN'S, NL.
- VENTILATION DESIGN – FRONTLINE ACTION INDOOR CENTER
- AI SAM LIVINGSTON FISH HATCHERY (SLFH) UPGRADES, CALGARY, ALBERTA.

- INDUSTRIAL VENTILATION RENOVATIONS INCLUDING VEHICLE AND HAZARDOUS PROCESS EXHAUST, CFB BORDEN MAINTENANCE HANGER, BORDEN, ON
- NECROPSY LAB, NWAFC, ST. JOHN'S, NL
- MECHANICAL DESIGN, ADDITIONS AND RENOVATIONS TO MUNICIPAL BUILDINGS (FIRE HALL, ARENA, TOWN OFFICE) AT HAPPY VALLEY – GOOSE BAY, NL
- HVAC, PLUMBING, DDC, THEATRE, HAPPY VALLEY – GOOSE BAY, NL
- HVAC, PLUMBING, RADIATION, CHILLED WATER, SPRINKLER, DDC, AIR TERMINAL RENOVATION AND EXTENSION, DEER LAKE AIRPORT, DEER LAKE, NL
- RAILWAY COASTAL MUSEUM, ST. JOHN'S, NL - HVAC, PLUMBING, SPRINKLER, DDC
- HVAC, PLUMBING, GARAGE SYSTEMS, DENNIS GM, CORNER BROOK, NL
- HVAC, PLUMBING, FIRE PROTECTION, ICON BUILDING, ST. JOHN'S, NL
- REMOVAL OF EXISTING UNDERGROUND WASTE OIL TANKS, INSTALLATION OF NEW ABOVEGROUND WASTE OIL SYSTEM, REPLACEMENT OF WASTE OIL TANKS, TW DEPOTS, VARIOUS SITES, NL
- FUEL SYSTEM, GAS TURBINE GENERATOR, GAS TURBINE FUELLING SYSTEM, WESLEYVILLE, NL
- COMPUTER ROOM AIR CONDITIONING, X-WAVE BUILDING, ST. JOHN'S, NL
- PUMPHOUSE UPGRADE – PUMPS, PIPING, CONTROLS, SPRING GULCH PUMPHOUSE, 5 WING GOOSE BAY, NL
- HVAC, PLUMBING AND FIRE PROTECTION, VISITOR'S INFORMATION CENTRE, SIGNAL HILL, ST. JOHN'S, NL
- HVAC, PLUMBING, RADIATION, REFRIGERATION PIPING, SPRINKLER, DDC, AIR TERMINAL BUILDING RENOVATION AND EXTENSION, HAPPY VALLEY-GOOSE BAY, NL
- HVAC, SEA ROSE ACCOMMODATIONS CHILLER REPLACEMENT, CONTRACTED OUT BY MADERRA ENGINEERING TO AKER SOLUTIONS. HUSKY ENERGY WAS THE CLIENT.

LICENSED COMPUTER PROGRAMS

- AUTODESK ARCHITECTURAL PACKAGE 2025
- REVIT 2025, REVIT ADD-INS:, PANGOLIN, LURTIS
- ADOBE DC
- MICROSOFT OFFICE, OUTLOOK, EXCEL, WORD, 365 OFFICE
- CARRIER HAP 6.2 HVAC LOAD/ENERGY ANALYSIS
- KCL KITCHEN EQUIPMENT REVIT FILES
- VARIOUS MANUFACTURER'S EQUIPMENT SELECTION SOFTWARE

COMPUTER PROGRAMS USED IN THE PAST ON VARIOUS PROGETCS

- PIPE-FLOW
- ELITE SOFTWARE S- PIPE
- PDMS, HEBRON DES/DSM HVAC CONSTRUCTION DRAWINGS AND HUSKY, SEA ROSE ACCOMMODATIONS CHILLER REPLACEMENT PROJECTS