



Engage. Innovate. Inspire.



EDUCATION

Northern Alberta Institute of Technology
(N.A.I.T.) Architectural Technology, 1980

AFFILIATIONS

The Association of Science & Engineering
Technology Professionals of Alberta
(ASET) Member since 1986
C.E.T. Structural/Civil

MEMBERSHIPS

Advisory Committee for Engineering Design
and Drafting Technology (S.A.I.T.)
Chairperson

Nat Zaccaria, C.Tech.

Project Manager, Senior Structural Technologist

Nat brings over 36 years of experience to our engineering team. We were pleased to welcome him to our firm in 1989. As a Senior Project Manager, Nat has gained a broad range of experience working on a wide variety of projects.

Nat has been involved in an extensive number of projects throughout Western Canada and the Northwest Territories. His expertise includes strategic planning, value engineering, constructability, costing, and project management along with a solid understanding of codes, standards, and technical requirements. His experience reviewing on site construction activities, in accordance with project design specifications and schedules on a wide variety of projects, makes him a valuable leader and project manager. Some of the projects that Nat has been involved with include the following:

RELEVANT PROJECT EXPERIENCE

INDUSTRIAL

ATCO – E – Construction Aerodrome; Fort McMurray, Alberta
Project Manager; structural, mechanical, electrical

ATCO Structures BHP Billiton- Mine-145 Man Dormitory Camp; Ekati, Nunavut
Project Manager – Prime consultant; mechanical and electrical remedial design

ATCO Structures – The Village; Whitehorse, Yukon
Project Manager; structural review

ATCO Structures – Mildred Lake Office Addition; Mildred Lake, Alberta
Project Manager; structural, mechanical, electrical

ATCO Structures – Shell Jackpine Site/Temporary Camp; Fort McMurray, Alberta
Project Manager – Prime consultant; structural, construction administration

ATCO Structures – Manitoba Hydro – Wuskawtim Camp; Alberta
Project Manager; structural, mechanical, electrical, construction administration

ATCO Structures – Frontec; Creeburn Lake Lodge, Alberta
Project Manager – Prime consultant; mechanical and electrical design, construction administration



Nat Zaccaria, C.Tech.

Project Manager, Senior Structural Technologist

Albian Village – Plus-15 Repair; Alberta

Project Manager; structural repair

BHP- Ekati Mine - 145 Man Dormitory; Ekati, Nunavut

Project Manager; structural design

BHP – Ekati Mine - Sea Can Foundations; Ekati, Nunavut

Project Manager; structural design

City of Calgary, Building R– Slab and Pit Evaluation; Calgary, Alberta

Project Manager – Prime consultant; structural

Corab Modular Systems; Alberta

Project Manager; structural, mechanical, electrical

Devon Canada – ATCO Structures, Jackfish Project; Conklin, Alberta

Project Manager; mechanical, electrical

Fort St. John OSB Plant; Fort St. John, British Columbia

Project Manager; structural connections design

McCain Foods – EAB, Pallet Packing System; Coaldale, Alberta

Project Manager; structural analysis

NASA Orbiter Enclosure; Houston, Texas

Structural Technologist; working drawing

Pan Canadian Building; Drumheller, Alberta

Structural Technologist; working drawing, construction administration

Pan Canadian; Hardisty, Alberta

Structural Technologist; working drawing, construction administration

Pangnirtung Fisheries Ltd. Remedial Work to Slab Design; Pangnirtung, Nunavut

Project Manager; construction administration

Power Pack Run-up Facility; Suffield, Alberta

Structural Technologist; working drawings

Pump House for Urban Systems; Rocky Mountain House, Alberta

Structural Technologist; working drawings



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Schlumberger – ATCO Structures, 2 Storey Office Complex; Medicine Hat, Alberta

Project Manager; mechanical, electrical

Schlumberger – ATCO Structures, 2 Storey Office Complex; Red Deer, Alberta

Project Manager; mechanical, electrical

City of Calgary, Spyhill Landfill and East Calgary Landfill, Building Additions; Calgary, Alberta

Project Manager – Prime consultant; structural, mechanical, electrical

City of Calgary Valve Chambers; Calgary, Alberta

Structural Technologist; working drawings, construction administration

Zone 2N Reservoir; Okotoks, Alberta

Structural Technologist; working drawings, construction administration

BULK FUEL FACILITIES

Suncor Energy Products Partnership (Petro Canada)

Taiga Nova Lube Warehouse & Operational Complex; Fort McMurray, Alberta

Project Manager, prime consultant; coordinating Architectural, Structural, Mechanical, Electrical, Civil and landscaping designs and construction administration

Petro-Canada – Petro Pass Facility; Red Cliff, Alberta

Project Manager – Prime Consultant; co-ordinating architectural, structural, mechanical, electrical and civil design and construction administration

Petro-Canada – Petro Pass Facility; Carlyle, Saskatchewan

Project Manager – Prime Consultant; co-ordinating architectural, structural, mechanical, electrical and civil design and construction administration

Petro Pass Facility; Fort St. John, British Columbia

Project Manager – Prime Consultant; review mechanical and electrical design, co-ordinate sub-consultant's designs

Petro Pass Facility; Cranbrook, British Columbia



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Project Manager, Senior Structural Technologist

Project Manager – Prime Consultant; review mechanical and electrical design, co-ordinate sub-consultant's designs

Petro Pass Facility; Rocky Mountain House, Alberta

Project Manager – Prime Consultant; review structural, mechanical, electrical and civil design, co-ordinate sub-consultant's designs

Petro Pass Facility; Kindersley, Saskatchewan

Project Manager; geotechnical review

Petro – Pass Facility; Golden, British Columbia

Project Manager – Prime Consultant; review of structural, mechanical and electrical design, co-ordinate sub-consultant's designs

Petro Canada - Varsity Car Wash; Calgary Alberta

Rehabilitation

Project Manager – Prime Consultant; full engineering design services to implementation.

WAREHOUSES

Fleishmann's Yeast; Calgary, Alberta

Team Lead; structural

Alberta Cheese Addition and Renovations; Calgary, Alberta

Team Lead; structural, construction administration

Propak; Airdrie, Alberta

Team Lead; structural, construction administration

Emercor Manufacturing Plant; Calgary, Alberta

Team Lead; structural, perform structural inspections

McCain Foods, Pallet Racking; Coaldale, Alberta

Project Manager; rack analysis and remedial structural design, construction administration.

Shell Aero Centre Hanger – Door Retrofit; Calgary, Alberta

Project Manager; feasibility study

Alberta Drywall and Stucco Supply; Calgary, Alberta

New mezzanine

Prime Consultant / Project Manager; Structural design services and construction administration

Calgary Dust Collector – Warehouse for Metrie Canada



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Project Manager, Senior Structural Technologist

Project Manager – coordinate mechanical design with Architectural and electrical design

MISCELLANEOUS

Calgary International Airport- Taxi Bullpen; Calgary, Alberta
Team Lead; structural

Cactus Club Addition and Inspections; Calgary, Alberta
Team Lead; structural, contract administration

Norman Block Renovation; Calgary, Alberta
Team Lead; structural

Firehall No. 1 Renovation; Calgary, Alberta
Team Lead; structural

Addition to Tinhorn Creek Winery; Oliver, British Columbia
Team Lead; structural

Sembiosys, Sunridge – Tenant Improvements; Calgary, Alberta
Team Lead; structural

Wind Tower Sculpture at 4th Street; Calgary, Alberta
Team Lead; structural

Renovation to Louise Block; Calgary, Alberta
Team Lead; structural

High Lonesome Ranch; Calgary, Alberta
Team Lead; structural

Genises Building Renovation; Calgary, Alberta
Team Lead; structural

Town of Canmore, Chinook Sculpture Base; Canmore, Alberta
Project Manager; structural, construction administration

Bearspaw Equestrian Barn, Roof Glulam; Bearspaw, Alberta
Project Manager; structural, construction administration

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Project Manager, Senior Structural Technologist

DATA CENTRES

Lombard Data Facility Expansion and Power Upgrade for Bell Mobility; Winnipeg, Alberta

Project Manager – Coordinate Architectural, Structural, Mechanical, Electrical design and construction administration

Maynard Data Facility for Bell Mobility; Calgary, Alberta

HVAC Installation

Project Manager – Coordinate Architectural, Structural, Mechanical, Electrical design and construction administration

Calgary Pop 1 for Bell Mobility; Calgary, Alberta

Power infrastructure upgrade

Project Manager – Coordinate electrical design and construction administration complete with commissioning

PUBLIC SAFETY/GOVERNMENT BUILDINGS

Beiseker RCMP Detachment; Beiseker, Alberta

Project Manager/Prime Consultant: Life cycle study; building envelope, mechanical, electrical, structural, architectural and environmental

Innisfail RCMP Detachment; Innisfail, Alberta

Project Manager/Prime Consultant: Building envelope evaluation

Desmarais RCMP Detachment; Desmarais, Alberta

Project Manager/Prime Consultant: Slab on grade structural design services

Sundre RCMP Detachment; Sundre, Alberta

Project Manager/Prime Consultant: Sidewalk repairs, landscaping and parking lot remedial work. Arch. and engineering design services

Athabasca RCMP Detachment; Athabasca, Alberta

Project Manager/Prime Consultant: Structural and building envelope roof study and mould assessment

Vernon Federal Building – Boiler Replacement; Vernon, British Columbia

Project Manager: Mechanical and Electrical design

Vernon Federal Building - Passenger Elevator Safety Elevator; Vernon, British Columbia

Nat Zaccaria, C.Tech.

Project Manager, Senior Structural Technologist

Project Manager / Prime Consultant / Construction Administration: Replace existing elevator to current codes and standards

Vernon Federal Building – Installation of Roof Fall Arrest Anchors and Chimney Liner Cap; Vernon British Columbia

Project Manager / Prime Consultant / Construction Administration: Structural Design

Revelstoke Federal Building; Revelstoke, British Columbia

Upgrade to Building Envelope, Replacement of Automatic Doors and Snow Guard Installation

Project Manager / Prime Consultant / Construction Administration; Structural, building science and electrical design

Nanaimo Federal Building – Installation of Security Card Access System; Nanaimo, British Columbia

Project Manager / Prime Consultant: Electrical design and construction administration

Archives Building – Accessibility Audit implementation and Investment Analysis; Edmonton, Alberta

Project Manager / Prime Consultant; Design and Construction Administration

Kelowna Federal Building – Boiler Replacement; Kelowna, British Columbia

Project Manager: Mechanical and electrical design

Kelowna Federal Building – Installation of Roof Fall Arrest Anchors; Kelowna, British Columbia

Project Manager / Prime Consultant: structural design and construction administration

Fairmont Complex-Ops Building 1 – Repair Diesel Generator Exhaust System; Vancouver, British Columbia

Project Manager / Prime Consultant; Mechanical design services and construction administration

Fairmont Complex Administration Building – Repair Fire Damper; Vancouver, British Columbia

Project Manager / Prime Consultant; Mechanical design services and construction administration

Annacis F&O Building – Gas Protection Module Replacement; Vancouver, British Columbia

Project Manager / Prime Consultant; Mechanical design services and construction administration

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Project Manager, Senior Structural Technologist

Fort McPherson RCMP Detachment – Ventilation Improvements; Fort McPherson, Northwest Territories

Project Manager / Prime Consultant; Mechanical and electrical design services and construction administration

Fort McPherson RCMP Detachment – Fuel Tank Replacement; Fort McPherson, Northwest Territories

Project Manager / Prime Consultant; Mechanical design services and construction administration

Paulatuk RCMP Detachment – Furnace Replacement and Fuel Tank Replacement; Paulatuk, Northwest Territories

Project Manager / Prime Consultant; Mechanical design services and construction administration

Aklavik RCMP Detachment – HVAC System Repairs and Recommissioning; Aklavik, Northwest Territories

Project Manager / Prime Consultant; Mechanical design services and construction administration

Calgary RCMP District Office Detachments – Underground Fuel Tank Storage Assessment; Calgary, Alberta

Prime Consultant / Project Manager: Mechanical engineering assessment report

Lethbridge RCMP District Office Detachments - Underground Fuel Tank Storage Assessment; Lethbridge, Alberta

Prime Consultant / Project Manager: Mechanical and structural design services and construction administration

Red Deer RCMP District Office Detachments - Underground Fuel Tank Storage Assessment; Red Deer, Alberta

Prime Consultant / Project Manager: Mechanical and structural design services and construction administration

Lake Louise RCMP Detachment – Snow Guard Installation; Lake Louise, Alberta

Project Manager / Prime Consultant: Building Science design services and construction administration

Crowsnest RCMP Detachment – Unit Heater Installation; Crowsnest, Alberta

Project Manager / Prime Consultant: Mechanical design services and construction administration

Jasper RCMP Detachment – Driveway Repairs; Jasper, Alberta

Prime Consultant / Project Manager: Structural design services



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Project Manager, Senior Structural Technologist

St. Paul RCMP Detachment – Fire Alarm Restoration / Upgrade; St. Paul, Alberta

Prime Consultant / Project Manager: Electrical design services and construction administration

Calgary Airport RCMP Detachment – Mechanical Equipment Replacement and Upgrades; Calgary, Alberta

Prime Consultant / Project Manager: Mechanical and electrical design services and construction administration

Fairmont RCMP – Ops, Administration and Training Building; Vancouver, British Columbia

Replace Fire Alarm System

Prime Consultant / Project Manager: Electrical design services and construction administration

Paulatuk RCMP Detachment – Fuel tank Spill Containment; Paulatuk, Northwest Territories

Prime Consultant / Project Manager: Mechanical, structural and electrical design services and construction administration

Tuktoyaktuk RCMP Detachment – Fuel tank Spill Containment; Tuktoyaktuk, Northwest Territories

Prime Consultant / Project Manager: Mechanical, structural and electrical design services and construction administration

Aklavik RCMP Detachment – Fuel tank Spill Containment; Aklavik, Northwest Territories

Prime Consultant / Project Manager: Mechanical, structural and electrical design services and construction administration

Fort Providence RCMP Detachment – Fuel tank Spill Containment; Fort Providence, Northwest Territories

Prime Consultant / Project Manager: Mechanical, structural and electrical design services and construction administration

Fort Liard RCMP Detachment – Fuel tank Spill Containment; Fort Liard, Northwest Territories

Prime Consultant / Project Manager: Mechanical, structural and electrical design services and construction administration

Fort Simpson RCMP Detachment – Fuel tank Spill Containment; Fort Simpson, Northwest Territories

Prime Consultant / Project Manager: Mechanical, structural and electrical design services and construction administration

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Project Manager, Senior Structural Technologist

Fort Smith RCMP Detachment – Fuel tank Spill Containment; Fort Smith, Northwest Territories

Prime Consultant / Project Manager: Mechanical, structural and electrical design services and construction administration

Fort Vermilion RCMP Detachment – Fuel tank Spill Containment; Fort Vermilion, Alberta

Prime Consultant / Project Manager: Mechanical, structural and electrical design services and construction administration

Fox Lake RCMP Detachment – Fuel tank Spill Containment; Fox Lake, Alberta

Prime Consultant / Project Manager: Mechanical, structural and electrical design services and construction administration

Canmore RCMP Detachment – Fire Alarm Replacement; Canmore, Alberta

Project Manager / Prime Consultant: Electrical design services and construction administration

Slave Lake RCMP Detachment – Backup Emergency Generator Installation; Slave Lake, Alberta

Prime Consultant / Project Manager: Electrical design services and construction administration

Fort Good Hope RCMP Detachment; Fort Good Hope, Northwest Territories

Prime Consultant / Project Manager: Mechanical and structural design services and construction administration

Deline RCMP Detachment; Deline, Northwest Territories

Prime Consultant / Project Manager: Mechanical and structural design services and construction administration

Tuktoyaktuk RCMP Detachment; Tuktoyaktuk, Northwest Territories NWT

Prime Consultant / Project Manager: Mechanical and structural design services and construction administration

Ulukhaktok RCMP Detachment; Ulukhaktok, Northwest Territories

Prime Consultant / Project Manager: Mechanical and structural design services and construction administration

Fort Smith RCMP Detachment; Fort Smith, Northwest Territories

Prime Consultant / Project Manager: Mechanical and structural design services and construction administration

Yellowknife RCMP Detachment; Yellowknife, Northwest Territories



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Prime Consultant / Project Manager: Mechanical and structural design services and construction administration

Assumption RCMP Detachment; Assumption, Alberta

Prime Consultant / Project Manager: Mechanical and structural design services and construction administration

Fort Chipewyan RCMP Detachment / Housing; Fort Chipewyan, Alberta

Project Manager / Prime Consultant: electrical design services and construction administration

Kitscoty RCMP Detachment / Housing; Kitscoty, Alberta

Project Manager / Prime Consultant: electrical design services and construction administration

Jasper RCMP Detachment / Housing; Jasper, Alberta

Project Manager / Prime Consultant: electrical design services and construction administration

Gleichen RCMP Detachment; Gleichen, Alberta

Project Manager / Prime Consultant: electrical design services and construction administration

Claresholm RCMP Detachment; Claresholm, Alberta

Project Manager / Prime Consultant: electrical design services and construction administration

Cochrane RCMP Detachment; Cochrane, Alberta

Project Manager / Prime Consultant: electrical design services and construction administration

Aklavik RCMP Detachment; Aklavik, Northwest Territories

Project Manager / Prime Consultant: electrical design services and construction administration

Tulita RCMP Detachment; Tulita, Northwest Territories

Project Manager / Prime Consultant: electrical design services and construction administration

Norman Wells RCMP Detachment; Norman Wells, Northwest Territories

Project Manager / Prime Consultant: electrical design services and construction administration

PWGSC BUILDINGS



Nat Zaccaria, C.Tech.

Project Manager, Senior Structural Technologist

J.D. Higenbotham Building - Refurbish loading dock; Lethbridge Alberta

Project Manager / Prime Consultant: Architectural, structural and electrical engineering services, construction administration

J.D. Higenbotham Building – Control System Upgrade; Lethbridge, Alberta

Project Manager / Prime Consultant: Mechanical and electrical engineering services.

J.D. Higenbotham Building – Cyclical Flooring and Painting; Lethbridge, Alberta

Project Manager / Prime Consultant: Architectural design services and Construction Administration

J.D. Higenbotham Building – Fire Alarm System Upgrade; Lethbridge, Alberta

Project Manager / Prime Consultant: Electrical design services and construction administration

J.D. Higenbotham Building – 2nd Floor Corridor Ceiling & Lighting Upgrade; Lethbridge, AB

Project Manager / Prime Consultant: Architectural and electrical design services and construction administration

J.D. Higenbotham Building – Roof Repairs; Lethbridge, Alberta

Project Manager / Prime Consultant: Building science (Roofing) design services and construction administration

Red Deer PWGSC Building – Accessibility Audit Implementation and Investment Analysis Report; Red Deer Alberta

Project Manager / Prime Consultant: Design and Specifications

Red Deer PWGSC Building – Step Repair; Red Deer, Alberta

Project Manager / Prime Consultation: Architectural and structural design, Construction administration

BRIDGES

Macleod Trail/Anderson Road Interchange; Calgary, Alberta

Team Lead; structural, construction administration

Post Tender Pipestone Bridge; Lake Louise, Alberta

Team Lead; structural, construction administration

Oldman River Bridge; Taber, Alberta

Nat Zaccaria, C.Tech.

Project Manager, Senior Structural Technologist

Team Lead; structural, construction administration

Kananaskis Pedestrian Bridge; Columbia Ice Field, Alberta

Team Lead; structural, construction administration

Macleod Trail Anderson Stn Pedestrian Overpass; Calgary, Alberta

Team Lead; structural, construction administration

Fish Creek LRT Bridge; Calgary, Alberta

Team Lead; structural, construction administration

Northbound Bridge – Centre Street North; Calgary, Alberta

Team Lead; structural, construction administration

Sierra Springs Bridge; Airdrie, Alberta

Team Lead; structural, construction administration

Centre St. North of Beddington Trail; Calgary, Alberta

Team Lead; structural, construction administration

Little Paddle River Bridge; Mayerthorpe, Alberta

Team Lead; structural, construction administration

Bow River Bridge VE Project; Calgary, Alberta

Structural working drawings, construction administration

Langevin Bridge Remedial Work; Calgary, Alberta

Team Lead; structural, construction administration

Highvale Mine – Bridge Replacement; Stoney Plain, Alberta

Team Lead; structural, construction administration

Canyon Meadows/Macleod Trail Bridge; Calgary, Alberta

Team Lead; structural, construction administration

MacDonald Bridge Rehabilitation; Calgary, Alberta

Project Manager – Prime Consultant; structural, construction administration

UNDERGROUND CONSTRUCTION/RETAINING WALLS

Allan Block Fence/Glenmore Tr. and 28 Street SE; Calgary, Alberta

Team Lead; structural, construction administration

Bow Valley Centre Retaining Walls, Entry Ramp, etc; Calgary, Alberta

Team Lead; structural, construction administration

Calhome Properties Retaining Wall; Calgary, Alberta



Nat Zaccaria, C.Tech.
Project Manager, Senior Structural Technologist

Team Lead; structural, construction administration

Lincoln Park Sound Fence; Calgary, Alberta

Team Lead; structural, construction administration

Deerfoot Sound Fence; Calgary, Alberta

Team Lead; structural, construction administration

Sound Fence, Spring Hill; Calgary, Alberta

Team Lead; structural, construction administration