

Marco Pettretta, P.E.

PROFESSIONAL EXPERIENCE

Forensic Engineer

Nov 2022 – Present

Omega Forensic Engineering

- Performs forensic evaluations of buildings and structures to evaluate cause and origin of distressed conditions. Evaluations typically include inspections, documentation, and engineering reports.

Director of Construction

Feb 2018 – Present

GATES Construction

- Budget evaluations, personnel screening, hiring & training, schedule evaluation, legal management and response, team building, permit expediting, startup, development of quality controls, subcontractor and client relations, staff support

Senior Project Manager

Feb 2007 – 2018

GATES Construction

- Contract issuance, Owner and Subcontractor agreements
- Business development, marketing, presentations, short-lists
- Estimating, scoping and managing projects
- Design development and coordination

Structural Engineer

Dec 2015 – Present

JPI Structures, Inc.

- Owner, freelance structural designs, renovations, home building, consulting, drafting, property venture analysis, feasibility studies

Project Manager

Mar 2001 – Feb 2007

BCBE General Contractors

- Review and coordination of shop drawings (structure, finishes, etc)
- Communication with design team (RFIs, change orders, etc)
- Scheduling, managing, inspecting, & overseeing daily construction
- Experience in estimating and developing contracts, tracking overall job costs and change orders

Project Engineer

June 1999 – Feb 2001

Jenkins & Charland Consulting Engineers

- Design and analysis of a variety of buildings (see design experience summary below) and systems (heavy timber, steel, reinforced concrete, post-tensioned slabs, masonry, precast, tilt-up, light gage, etc.)
- Project management and coordination with owners and architects
- On-site inspections and review of shop drawings
- Spreadsheet programming, design calculation programs, etc.

Design Engineer

May 1997 – Sept 1998

CANAM Steel

- Joist/steel deck design
- Interpretation of loading conditions, structural drawings, etc.
- Material and cost optimization
- Coordination and communication with shop personnel

Junior Engineer / Inspector

May 1997 – Oct 1997

Marshall Macklin Monaghan

- On-site inspection and coordination of land development, sewer systems, road construction, bridge work, etc.
- Contract administration, quantity takeoffs, progress/payment certificates, surveying, etc.
- Monitoring, coordinating and certifying construction practices

Product Test Technician

May 1996 – Sept 1996

Nortel Bramalea Product Test Lab

- Regular testing and maintenance of DMS computer system
- Programming test cases (C and T languages)
- Internet experience (web page design, etc.)

Engineering Tech. Assistant

May 1995 – Sept 1995

Town of Caledon Engineering Department

- Construction, drainage and pool inspections
- AutoCad drawings
- Surveying, volume calculations, earthworks, etc. experience in construction management

Soils Technician

June 1994 – Sept 1994

Terraprobe Testing

- Compaction testing of soils and asphalt / concrete testing
- Laboratory work
- Surveying and site mapping

Engineer/Architect Assistant

Feb 1993 – June 1993

F.J. Reinders and Associates (High School Co-op Placement)

- Extensive work on AutoCAD
- Digitizing, revising and drafting computer drawings (i.e. site and grading plans, structural details, etc.)

EDUCATION

University of Toronto - Faculty of Applied Science and Engineering.

1993 – 1999

- Ba.Sc. Civil Engineering, M.A.Sc. Structural Engineering
- Fourth Year – Graduated with High Honors
- Graduate School - All A's (85-90%)

St. Thomas Aquinas Secondary School

1988 – 1993

- Ontario Secondary School Diploma: O.A.C. 6 course average: 90.7%

HONORS AND AWARDS

- Industrial NSERC National Scholarship (sponsored by: CANAM Steel Inc. Mississauga) (1997)
- James W. and H. Grattan Tyrrell Memorial Scholarship in Civil Engineering (1996)
- Hal Major Memorial Scholarship - University of Toronto (1993)
- Northern Telecom Engineering Council Scholarship (1993)
- Civil Engineering Club Award (1997)
- University Toronto Honor Role (1993 -1997)
- Ontario Scholar (1993)

COMPUTER EXPERIENCE

Applications Software

- Microsoft Office (Excel, Word, PowerPoint, Access), Microsoft Project, Primavera Scheduling, Timberline Estimating, AutoCAD, ProCore, Vista

Programming Education

- C, Visual C++, Visual Basic, Multimedia Toolbook, AutoLISP

EXPERIENCE SUMMARY

St. Raphael

20 – story concrete / PT condo

- On-site construction inspector

Estero High School

2 story, 48,376 ft² tilt panel building

- Construction administration
- Shop drawing review/inspector

Sienna

14 story concrete / PT condo

- Foundation/pile/shear wall/ column design, lateral analysis

Riverview

3 story steel frame, office building

- Lateral frame analysis, floor member design

Everglades

Heavy timber golf clubhouse/pro-shop

- Complete design & coordination

Crown Colony

15,158 ft² golf clubhouse

- Truss layout, masonry wall/ column/hurricane tie/foundation design

Via Delfino

18 story, 164,000 ft² condo

- Lateral frame analysis, foundation/pile/shear wall/ column/masonry/detail design

Chico's

33,670 ft² tilt panel office headquarters

- Complete design & coordination

Trieste

21 story, 698,000 ft² condo

- Complete design & coordination design project manager

Jupiter Yacht Club

8 story condo mid-rise

- Complete design & coordination design project manager

Ferreri Residence

3 story concrete beach home

- Complete design & coordination

St. Michaels Church

Single story church addition

- Complete design & coordination

LaPlaya Resort

6 story hotel/parking garage, 15 story hotel renovation

- Various responsibilities in project management from start to finish

Marco Marriott Spa and Ballroom

2 story precast spa, single-story ballroom

- Various responsibilities in construction management

Naples Sailing & Yacht Club

Two-story CMU club & docks

- Project / Construction Manager for duration of \$7M project

One Singer Island

10 story, 15-unit exclusive condominium

- Project / Construction Manager for duration of \$25M project

Mirasol

5 story, 50-unit condo, \$20M

- Project/Construction Manager

Hodges University

5 story, secondary learning institution and library

- Project / Construction Manager for the duration of \$7M project

Shadow Wood CC

Country club renovation and addition

- Project / Construction Manager for the duration of \$3M project

Cypress Wood

Country club renovation and addition

- Project / Construction Manager for the duration of \$3M project

Talis Park

Golf clubhouse shops and amenities

- Project / Construction Manager for the duration of \$3M project

Silverspot, Naples

Auditorium theater build-out

- Project/Construction Manager

Silverspot, NC

\$15M, 13 screen, ground-up theater

- Project/Construction Manager

Silverspot, Miami

\$17M, 6 level, 18 screen MET tower

- Project/Construction Manager

Eagle's Nest

10 story, 70-unit condo, \$7M renovation of occupied condo

- Project/Construction Manager

Ritz Carlton

Renovation of entire ballroom mezzanine floor while occupied

- Project/Construction Manager \$2M project, 2-month duration

Quail West

Continuous renovation and new construction of Fitness Building, Lobby, Kitchen, Grill Room, etc.

- Project/Construction Manager \$10M project, multi-phase, continuous occupied logistics

Ft. Lauderdale Fire Station

2 story, \$7M facility

- Project/Construction Manager

Ritz Carlton

Renovation of Gumbo Limbo, Spa & Tiburon Ballroom

- Director plus daily management \$10M combined

All Seasons

\$37M, 145 unit Assisted Living Facility

- Director plus daily management