

Company Brochure

Algisa specializes in structural engineering services providing value in both quality design and practical means of construction for our clients.



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PAOLO MARCELLO

Managing Director & Partner

Founding partner and the managing director of the firm, Paolo Marcello leads the firm's strategy for growth, business development and overall operations. He has an extensive history working in the construction and engineering industry with expertise in both public & private sector developers and builders through various sectors. His versatility and understanding of many different types of structural systems provide clients with a full array of options to carry out their projects. His mantra is to treat every project like his own and deliver a personal service to all clients.

ALGISA

Algisa is a consulting firm providing structural engineering, detailing, and project management services dedicated to both private and public sector buildings. Our experience extends through sectors such as residential, hospitality, commercial, health-care and long-term care. Algisa specializes in structural engineering services providing value in both quality design and practical means of construction for our clients.

The drawings were exactly what we had talked about and delivered on schedule. They are a professional group that followed up with us promptly and communicated openly.



Our BUSINESS SERVICES

We provide our clients with suitable structural systems for a project be it cast in-situ, precast, steel or timber, global analysis of structures using latest FEM tools, design of precast elements & connections and peer review services.

Design of Cast in-situ Structures & Detailing



Design of Precast and Prestressed Concrete Structures



Engineer of Record Structural Engineering and Drawings (Private and Public Sector)



Building Condition Surveys & Reports



Our CORE VALUES



Our CLIENTS

- Architects
- Contractors
- Private & Public Sector Developers
- Residential Investors & Builders
- Municipalities & School Boards
- Industrial & Commercial Builders

Our VISION

The structural design and concept of a building is an area that traditionally requires significant attention. In our experience clients, developers, and owners want to have the assurance of a strong, long lasting building while ensuring it is at an efficient price. Having Algisa engaged from the start of the project will help to put the project on track right away, so that all appropriate milestones are met and the design is optimized from day one. Algisa will provide client's with recommendations that are best served to fit their architectural vision, the construction means and methods, and any site specific requirements (ie: ground and soil conditions.) These areas are important to coordinate early on so that the client can plan their applicable budget.



Meet With Our **TEAM MEMBER**



Mansour Navidpour
PHD, P.Eng – Chief Structural Engineer

Mansour Navidpour has an extensive resume in structural engineering with a specialization in lateral analysis and design of buildings. He is our chief structural engineer, directly impactful in the teams design standards, technical documents, specifications and drawing details. He ensures that projects are completed with the highest integrity and quality, while maintaining industry standard construction practicality.



Ashkan Ezazi
P.Eng – Chief Structural Engineer

Ashkan Ezazi is a licensed structural engineer with 10+ years' experience in healthcare, institutional, and residential projects. Specializing in collaboration, he excels in project management, design, and construction site engineering. Ashkan is actively pursuing a project management license and has contributed to seismic performance research at universities.



Mehdi Shafikhani
PHD, P.Eng – Senior Associate

A senior associate at Algisa, Mehdi has over 15 years of experience both in Tehran, Iran and Ontario, Canada. Mehdi is a PHD recipient from the University of McMaster and current Professor at the school. Mehdi's ability to mentor and train junior drafting and designers allows our employee staff to experience continued growth. He has a long experience in cast in place, precast concrete & structural steel design. He has worked on complex low rise, mid rise and high rise buildings and is key team leader from start to finish on projects.



Aidan Vandersteen
P.Eng – Director of Precast

The Precast Director at Algisa, Aidan has over 15 years of experience in Ontario, Canada; working for various precast manufacturers throughout the province. His experience helps to standardize efficient manufacturing, engineering and production processes for our precast clients. He leads our team's technical direction internally with respect to precast concrete design, while also building external relationships with clients. Aidan is a highly motivated individual and is always looking for new and advanced methods to help support our clients.

Algisa's personnel also includes engineering designers, BIM Modellers (Revit/ Archicad), Tekla Technicians (Precast/Steel) & RC Cad Details (for Rebar detailing).

From towering landmarks to transformative urban spaces, our team has left an indelible mark on every **PROJECT** we touch

CIVIC & PUBLIC SECTOR FACILITIES

- Etobicoke Ancillary Services Building, Etobicoke, ON
- Toronto City Library, 40 Orchard View Blvd. – Parking Garage Condition Assessment & Repairs, ON
- Williams Parkway Operations Centre – Phase 1, 2, Brampton, ON
- Victoria Works Yard – Region of Peel – Mechanical Upgrades
- Halton Hills Operation Centre – Administration Facility & Works Yard, Georgetown, ON
- Quinte West Operations Centre, Trenton, ON
- City of Mississauga, Port Credit Refrigeration Room Upgrade, Mississauga, ON
- Hamilton Health Sciences – Hybrid OR upgrades and addition to existing Hospital.
- 525 Main St, Brampton, ON – Region of Peel – Long Term Care Facility
- Hamilton Children’s Museum – Workshop Architects, Hamilton, ON
- Joe Mavrinac Community Centre, Kirkland Lake, ON

LONG – TERM CARE FACILITIES

- Extendicare, 256 Bed Long Term Care Facilities (MSA Architects):
 - o Sudbury, ON
 - Kingston, ON
 - Stittsville, ON
- Revera, 128 Bed Long Term Care Facilities (MMMC Architects):
 - o London, ON
 - Cornwall, ON
 - Carleton Place, ON

ENTERTAINMENT & SPORTS

- Welland Flatwater Center, Aquatic Centre for Pan AM Games – Engineer of Record
- Maple Leaf Gardens – 60 Carlton St, Toronto, ON – Ryerson & Loblaws Joint Venture
- Construction Manager & Site Engineer
- Capitol Theatre – Renovations and Upgrades, Windsor, ON
- Kirkland Lake Aquatic Centre & Community Centre

RESIDENTIAL & HOSPITALITY

- Amica Living – Senior’s Residence, Burlington, ON (Ongoing) 2Towers with Combined Podium (MSA Architects)
- LJM Developments:
 - Barton St – LJM Tower, 16 Storey Condo (RAW Architects)
 - Queenston Rd – 13 Storey Condo (RAW Architects)
- Sunningdale Tower II – Tricar Group (Ongoing) Mid Rise Apartment
- 275 Front St, 15 Storey Apartment Building – Tricar Group (Ongoing)
- Northlink Phase 2, London, ON – 14 Storey Apartment Rental – Tricar Group
- 230 Northcentre Rd, London, ON – 15 Storey Apartment – Tricar Group
- Williamsburg Seniors Residence, 9-Storey Reinforced Concrete Residence, Burlington, ON
- Royal Connaught Phase 3 – 37 Storey Tower – Spallacci Group, Hamilton (KNYMH Architects)
- Trinity Ravine Developments – 2-30 Storey Towers, Scarborough, ON, Precast Engineer (Stubbe’s Precast)
- 14 Augusta St – Phase 1 – Urbancore Developments (Lintack Architects), Hamilton
- 18 Augusta St – Ph 2 & 3 – Urbancore Developments (Lintack Architects), Hamilton
- 11 Robert St – Yoke Group (Lintack Architects), Hamilton
- 458 Tamarack St, Waterloo (6 – Storey Condo) Includes Total Precast Design
- 54 Marshall St, Waterloo (6 – Storey Condo) Includes Total Precast Design
- Brantwood School Condos Inc – Luxury Retrofit of 2 Storey School into Condominium, Oakville, ON
- 462 & 464 Columbia Drive, Waterloo – 2 – 12 Storey Apartment Residences (Total Precast Design)
- 32 Honey Locust Crt – Maple, ON – 9000 SF Luxury Custom Home

INFRASTRUCTURE

- Halton Region Pumping Station Addition, Halton Region, ON
- Joe Dales Pumping Station, York Region, ON
- Brock West Leachate Pumping Station Upgrades, City of Toronto

PRECAST CONCRETE PROJECTS

- 198 Sunningdale Road - Northlink Tower II – Tricar Group, Total Precast Mid Rise Apartment Building (Stubbes Precast)
- 275 Front St, 15 Storey Apartment Building – Tricar Group, Total Precast Mid Rise Apartment Building (Stubbes Precast)
- 230 Northcentre Rd, London, ON – 15 Storey Apartment – Tricar Group, Total Precast (Stubbes Precast)
- 309 Southdale Road, London, ON – Tricar Group, Total Precast Mid Rise Apartment Building (Stubbes Precast)
- Trinity Ravine Towers – 2 - 30 Storey Towers on Combined Podium, Scarborough, ON, Precast Engineer (Stubbe's Precast)
- 458 Tamarack St, Waterloo (6 – Storey Condo) Includes Total Precast Design
- 54 Marshall St, Waterloo (6 – Storey Condo) Includes Total Precast Design
- Hyatt Hotel – Mississauga, ON (8 – Storey Hospitality Hotel) Total Precast Design (Stubbe's Precast)
- 251 King St, Barrie, ON - Industrial Development – 2 Buildings Precast Sandwich Panels (Modular Precast Systems)
- 199 Church St, Toronto, ON – Architectural Precast – Thin set Precast Brick Panels (Modular Precast Systems)
- 5775 Twenty Rd, Hamilton, ON – Industrial Development – Precast Sandwich Panels (Modular Precast Systems)
- Trent University, Residence Building, Oshawa, ON – Total Precast (includes Bleacher Seating for Auditorium) (Stubbes Precast)
- 198 Wellington St, Hamilton, ON – The Corktown, Spallacci Group – Total Precast Building
- 316 Batavia Place, Waterloo, ON – Phase 2 (6 – Storey Residence) – Total Precast Building
- 1865 Rymal Road East, Hamilton, ON – (9 – Storey Residence) – Total Precast Building on Cast in Place Podium
- 462 & 464 Columbia Drive, Waterloo – 2 – 12 Storey Apartment Residences (Total Precast Design)
- 651 – 23rd Avenue, Hanover, ON – (6 – Storey Residence) – Total Precast Building (Stubbes Precast)
- 15 Queen St, Hamilton, ON – (22 – Storey Residence) – Total Precast Detailing (Coletara Developments)
- 245 Steeles Ave, Brampton, ON – Duo Condos - Architectural Precast Panels – Brick Formliner (Modular Precast Systems)
- 154 Main St, Hamilton, ON – 26 Storey Total Precast Building + Construction Management (Vrancor)
- Bombardier Aerospace – Storm Water Management Tank, Toronto, ON
- Town of Kapuskasing – Commercial Plane Hangar

COMMERCIAL

- Image Honda – 282 Centennial Parkway North, Hamilton (SPA & Design Development)
- 228 Steeles Avenue West, Mercedes – Benz Thornhill – Rebar Review
- McClung & Avalon Rd, Caledonia – 4 Commercial Buildings – Empire Communities
- 760 Laurentian Rd, Burlington – Brooklyn Contracting
- 1038, 1040, 1042 Garner Road West, Ancaster – 3 Commercial Buildings – MD Elite Developments
- 267 Upper Centennial Parkway, Hamilton – 8 Building Development, Brooklyn Contracting
- 7-11 C-Store, Gas Bar and Car Wash Program – Western Canada, including Alberta, BC, Saskatchewan and Manitoba locations.
- South Edmonton Mr Lube, Alberta – New Lube Facility and Commercial Store.
- Tesla Showroom and Sales Centre – Cadillac Fairview, The Eaton Centre, Toronto
- Canadian Portable Structures, Prototype Program – CPS Ltd.
- Hume St, Collingwood – Commercial Carwash (Our Cool Blue Architects.)
- 251 King St E, Barrie, ON – Sandwich Panel Walls for 2 Industrial Warehouses (Precast Design)
- 38 Kelfield, Upgrades for Cannabis Facility, Mississauga ON – MD Elite

EDUCATION

- Peel District School Board, Peel Region, ON, Country Village Public School
- Mount Pleasant #7 Public School, Dolson Public School
- Elm Drive Public School
- Halton District School Board, Halton Region, ON
- White Oaks School Renovation, Oakville
- Milton Secondary School, Mechanical Upgrades
- Frontenac Public School, Elevator Addition, Burlington
- Hamilton-Wentworth District School Board, Hamilton, ON
- AM Cunningham Elementary School, Gymnasium Addition & Interior Renovations
- Ballard Elementary School, Gymnasium Addition & Interior Renovations
- Millgrove Public School, Gymnasium Addition & Interior Renovations
- Dundas Central School, Elevator Addition & Renovations
- University of Trent – Student Residence, Precast Design, Stubbes Precast (Concrete Award).
- Mohawk College – Elevator Upgrades to Stoney Creek Facility.
- Mohawk College – Café Kiosk Upgrades and Renovation.
- McMaster University Medical Centre – Hamilton Health Sciences, MRI Upgrade and Renovation.

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Mixed Use Development
316 Batavia Rd, Waterloo



Paisley Inn Redevelopment
Paisley, ON- Schiltuis Development



Yoke Group Developments
11 Robert St, Hamilton, ON



300 The East Mall
Valhalla
- Kingsett Developments,
Etobicoke, ON



Serena Homes - Townhouse Development
263 Barrie St,
Bradford, ON



2-Tower Development
460 Columbia Drive, Waterloo, ON



Flex Condos
PrimeSky Developments, Waterloo, ON



Two Pad Development
Commercial Shell Buildings, Port Colborne ON



Commercial Development
5775 Twenty Road,
Stoney Creek



Royal Living Developments
Upper James, Hamilton, ON



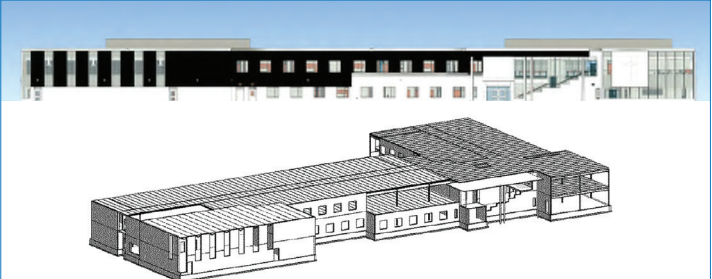
IMAGE Honda Dealership,
Hamilton, ON



Alliance United Corporation
150 Randall - Oakville, ON



Dundas Valley Development
Dundas, ON



Seaton Elementary School-
DCDSB



Precast Sandwich Panels
32 Don Hillock, Aurora, ON



Mixed-Use Apartment Building
1865 Rymal Road East, Stoney Creek, ON



Honey Locust Dwelling
Maple, ON

Our experts are **AT YOUR DISPOSAL**

We hope you found this brochure useful. If you wish to receive more information, please contact us and one of our experts in your area will get in touch.

Contact With Us:



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