



# TEAMKENAIDAN

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Breaking New Ground

## Gate 193 Expansion – Work Package 3A Arrivals Corridor South

### FEATURE PROJECT



### Project Requirements

The Gate 193 Expansion for the Greater Toronto Airports Authority (GTAA) is located in Terminal 1 at the Toronto Pearson International Airport. This expansion is necessary to meet the growing demand of travelers and consists of ground side and air side construction coordinated to allow passengers continued access to the terminal.

The contract includes construction of five new passenger boarding pods including boarding bridges and infrastructure, a new electrical building, and a new arrivals corridor as part of the upgrades. Construction is staged to avoid disruptions to GTAA passenger service and to minimize potential interference with airport operations.

An outbound escalator building is also included in the scope of work. In early March, the outbound escalator, which improves access to Pier G boarding gates, was turned over for passenger use. This was done through a great amount of team effort to install and test the escalator from groundside; transition the area to airside by moving the Primary Security Line; and prepping the area for passenger use.

*"Since starting work, the Kenaidan project team has demonstrated a strong team approach in the delivery of this strategically important project for the GTAA. The project has proven to be very challenging with the*

*multiple airport stakeholder requirements and the need for very close coordination with concurrent projects within the project boundaries," said Tony Crepinsek, Associate Director, Infrastructure Redevelopment for the Greater Toronto Airports Authority.*

*"Kenaidan has consistently demonstrated a true partnering approach with all involved, and because of that is successfully delivering this challenging project within the very aggressive project schedule."*

*"Every time I've been on site, it's been a true pleasure to see how well managed and organized this project has been. It's very obvious through the strong commitment of the project team and a true sense of pride in doing a great job that this new addition will*

*be a success and will offer an improved level of passenger experience here at Pearson once completed. It's a true pleasure to work with Kenaidan's construction professionals."*

Construction of the project began in June 2018 and is scheduled for completion in Summer 2019.

### Roles & Responsibilities

#### Owner:

Greater Toronto Airports Authority (GTAA)

#### Primary Consultant:

NORR Limited

#### Metal Fabrication:

Pengelly Iron Works Inc.

#### Structural Steel & Steel Decking:

Walter's Inc.

#### Reinforcing Steel:

Gilbert Steel Limited

#### Passenger Boarding Bridges (PBB):

Thyssenkrupp Airport Systems Inc.

#### Mechanical & Electrical:

Black & McDonald Limited

#### Masonry:

Limen Group Const. Ltd.

#### Concrete Formwork:

Kenaidan Contracting Ltd. & Haastown Contractors Inc.

#### Concrete Finishing:

DC Floors Inc.

#### Curtain Walls & Glazing:

Noram Glass Corporation

### Key Challenges

- Short schedule
- Integrating major vendor equipment
- Connecting to an active terminal operations
- Coordination with two on-going adjacent contractors
- High security work environment

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# Airport Experience

## FEATURE PROJECTS



Non-Passenger Screening Vehicle Checkpoint

Since 1989, Kenaidan has completed 28 various projects for the Greater Toronto Airports Authority (GTAA) at Toronto Pearson International Airport. These projects have significantly ranged in scope and complexity, such as a new air traffic control tower, a state-of-the-art in-flight kitchen facility, a stormwater control facility under the tarmac, and several terminal upgrades.

Our experience working in terminal buildings and airside has required us to address strict security protocols and clearances. In addition to adhering to security requirements, our work within the sensitive airport environment cannot impede on the critical daily operations.

The knowledge we have garnered, not just working at the airport, but in 45 years of completing other transportation, institutional, and industrial infrastructure projects in live operational and public environments, is now being applied to several new contracts the GTAA has awarded to Kenaidan. In addition to the Gate 193 Expansion featured in this issue, other current work at Toronto Pearson International Airport includes:

- **The Non-Passenger Screening Vehicle Checkpoint** project provides security screening for non-passenger vehicles that are entering the airside of the airport from the south. Our contract includes the installation of five separate structures within the airport,



consisting of three vehicle canopies, the Non-Passenger Screening Vehicle building and a 96 m long retaining wall.

- **T1 Gating Modifications - Phase 1B** project consists of upgrading three passenger boarding bridges, architectural upgrades, and modifications to suit an increase in international passenger flow. This project is all within the secure side of Terminal 1 on the apron.
- **The Central Deicing Facility (CDF) Improvements & Glycol Storage Tank** project involves the installation of a new 5.4 ML glycol storage tank and an extensive glycol recovery system to minimize the environmental impacts of spent glycol runoff. A unique complexity to the project is the scheduling. Due to operating restrictions, all deicing tank work must be carefully coordinated around the deicing season.

These projects form part of the GTAA's Master Plan for improvements and new developments to Toronto Pearson Airport. With the current Master Plan mapped out for the next 20 years, Kenaidan looks forward to continuing our strong relationship with the GTAA and building on our portfolio of successfully delivered projects at the airport.

## Recently Awarded

**Ashbridges Bay Treatment Plant – Digesters 9-12 Refurbishment, City of Toronto**

**Non-Passenger Screening Vehicle Checkpoint, Toronto Pearson Airport, GTAA**

**Seaway WWTP Secondary Clarifier Upgrades, Niagara Region**

# Critical Timelines

## POINT OF INTEREST

One of the most critical aspects of a construction project is the schedule. It dictates every component of the project and can either 'Make' or 'Break' the project's success. There is more to scheduling a project than having a logical sequence. Factors that further complicate a schedule include: project size and difficulty; weather; materials and resource availability; approvals, permits and inspections; as well as design changes.



All restoration work was completed under a tight and limited schedule – a strict work window of Monday through Friday between 12:30am and 5:30am. The tunnel was open without delay every morning and remained operational at all other hours.

Kenaidan has an extensive resume of complex projects built in fast-track timelines and in complicated environments. One such project is the Detroit-Windsor Tunnel Reconstruction. Kenaidan was awarded both the Canadian and American side reconstruction contracts of the 1 km long tunnel back in 1993. The project spanned only six-months and all work was completed in a 5-1/2 hour nightly window when the tunnel was shutdown. This demanding

and unique project calculated to only 700 hours total working time. Specialized materials and equipment were utilized to meet the daily deadlines. Key personnel and experts were assigned to streamline the process and various alternative engineering and construction methods were explored and implemented. Methods such as hydrodemolition, track-mounted articulating boom with demolition hammer and rapid-set concrete with mobile volumetric mixer were utilized.

Despite the tight schedule and complicated site conditions, the Detroit-Windsor project was completed on time and on budget. This successful and innovative project from 25-years ago is still offering up valuable lessons that are relevant today. Identifying, learning from, and building on our strengths from our past projects, defines who we are as a company. We are committed to continuous improvement and encouraging new ideas, especially when dealing with scheduling challenges and critical timelines.

## Five Pillars of Wellness

### SAFETY CORNER



In May 2018, we relaunched our Wellness Program with Kenaidan STRONG to encourage employees to make choices towards a healthy, more fulfilling life. Kenaidan's Wellness Program was developed to meet the needs of our employees and to encourage further development of our social, physical, financial, mental, and community well-being, also known as the five pillars of wellness.

By Patricia Pereira

Why encourage further development under these five pillars?

1. Healthy relationships are an important part of our personal development. A socially healthy individual has the skills to socialize, be confident, and function in situations that involve others.
2. Physical activity and exercise can have immediate long-term health benefits, but most importantly, regular activity can improve our quality of life.
3. Financial challenges such as credit card debt, mortgages, college savings and retirement planning are often sources of day-to-day stress. Coping with and managing financial stressors can encourage a healthy outlook.
4. A healthy mind can cope with normal stresses of life, can work productively and fruitfully, and is able to make a growing contribution to their community.

5. We participate in all types of communities, including our own family. No matter what community we are part of, we want members to be successful.

We have published a wellness calendar aimed at challenging and encouraging Team Kenaidan to improve their overall health and wellness.

Kenaidan also has an Employee Family Assistance Program (EFAP) which is readily accessible to all Team Kenaidan members and their families. It is a confidential contact point for employees offering personal, professional, financial, and emotional support. Our EFAP is provided by Shepell, and has a full range of services available, including:

- Professional Counselling
- Family Support
- Financial Support
- Health Coaching
- Legal Support
- Naturopathic Services
- Nutrition Support
- Fitness Support
- Stress Coach
- Separation and Divorce
- Smoking Cessation
- Financial Planning Services
- Enhancing your relationship

We thank everyone for their support in the relaunch of our Wellness Program, and for sharing ideas that will help bring us together and maintain a healthy workplace.

# Our Company, Our People

## ROAMING PHOTOGRAPHER



Congratulations to the 2018 Leadership College Graduates!  
(L to R): Mark Guina, Chrisie Park, and Mohammed Kamyabnejad.

They completed their three-year program of study at the end of 2018, and were recognized on January 18<sup>th</sup>, 2019 at a ceremony held at our Head Office. This is the tenth graduating class since the college started in 2005.



Kenaidan's Annual Mingle & Jingle event featured a fun night of casino games, including poker, craps, and roulette.



At our Annual Mingle & Jingle, our employees donated an incredible 837 lbs of food for the Mississauga Food Bank.

### Kenaidan Welcomes

Jenifer Monfries, Accountant  
Darin MacDonald, Environmental, Health & Safety Advisor  
Abhinav Bhardwaj, Assistant Project Manager  
David Kirwan, Construction Quality Control Coordinator  
Kriselle Pereira, Health & Safety Advisor  
Brian Atkinson, Site Supervisor  
Steven Fang, Project Engineer  
Shirin Ahmad, Project Engineer  
Rory Blaney, Health & Safety Advisor  
Elie Diab, M&E Coordinator

### Congratulations To

Chrisie Park on her promotion to Human Resources Manager  
Ryan de Jesus on his promotion to Assistant Site Supervisor  
Mark Guina on his promotion to Team Leader, Client Services  
Sandra Piccini on her new role as Environmental, Health & Safety Administrator

### Upcoming Events

Kenaidan's Annual Triathlon,  
April 25<sup>th</sup> & 26<sup>th</sup>, 2019

### Corporate Donations

Kenaidan recently made donations to:

- Kids up Front Foundation

### Charitable Matching Program

Kenaidan has recently matched employee donations to the following charities:

- SickKids Foundation

**Contributing Editors:** Satish Radhakrishnan Patricia Pereira Paul Hartley Marisa Nardini Andrea Howson



### Kenaidan's Mission Statement:

- To provide responsible, quality construction services utilizing superior innovation and expertise.
- To develop and maintain long-term relationships with satisfied clients and suppliers.
- To create a safe, challenging and enjoyable work environment where employees share in corporate growth and success.
- To build on a sound financial base where future development is promoted over short-term gain.



### Kenaidan Contracting Ltd.

7080 Derrycrest Drive,  
Mississauga, Ontario, Canada L5W 0G5  
Telephone 905.670.2660  
Facsimile 905.670.9172

Kenaidan is a registered trademark of Kenaidan Contracting Ltd.

### Kenaidan Contracting Ltd.

4311 Viking Way, Unit 240,  
Richmond, British Columbia, Canada V6V 2K9  
Telephone 604.270.7670  
Facsimile 604.270.7612



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