

Introduction Bundle

A Smart Way to Build Commercial Structures



Tilt Wall Ontario Inc.
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Introduction

TILT WALL'S COMMERCIAL CONSTRUCTION MAKES BUSINESS SENSE

This document will educate you on many of the benefits of choosing tilt-up construction for your next commercial project. This is how we take care of business!

Tilt Wall Ontario is a subcontractor committed to bringing a superior building product to the Ontario construction industry since 2002. With our tilt-up construction and design experience we are able to assist our clients in designing buildings with lasting beauty and value.

Tilt-up construction is a method of building developed more than 100 years ago where walls or building elements are cast on-site. They are lifted (tilted) into place and braced until permanent structural connections are completed. Tilt-up walls can be insulated and/or load bearing with a wide variety of finishes. The many applications of the tilt-up system deliver quality, speed, economics, durability and beauty. With more than 60 buildings and 3,000 panels comprising over a million square feet of panels Tilt Wall has become a leader in tilt-up construction in Ontario.

Over the years, Tilt Wall has built an impressive portfolio featuring a wide range of complex projects, from educational institutions like the University of Guelph's Bio-Products Discovery and Development Centre to multi-storey residential buildings like Muskoka Bay Resort's condominium. In doing so, Tilt Wall has received many industry accolades: 6 Ontario Concrete Awards, 5 Tilt-Up Concrete Association Awards and the TCA's 2018 Contractor of the Year.

Tilt-up construction is able to offer the following advantages:

- Energy efficiency through 100% continuous insulation and zero thermal bridging
- Thermal mass storage through exposed interior concrete
- Durability on the exterior and interior with solid concrete
- Flexibility in interior and exterior design
- Structural integrity with load-bearing concrete panels
- Security and safety
- Sustainability
- Speed of construction
- Cost saving



Tilt-Up Advantages



► Energy Efficiency

Insulated tilt-up panels come in a variety of type and thickness of rigid insulation, ranging from 50mm to 200mm thickness. To form insulated concrete walls, concrete is poured on both sides of the foam and the finished panel is held together with a non-thermal conductive fiberglass tie. The thickness will be determined by the thermal characteristics of the insulating material and the thermal loads on the structure. Insulation values range from R10 to R67. The higher the R value the lower the HVAC demands. Large tilt-up panels have sealed joints, reducing uncontrolled infiltration. In a site-cast tilt-up panel, the insulation is 100% continuous, spanning from edge to edge and top to bottom. The insulation is protected from sun, rain, wind, rodents and bugs by the concrete once the panels have cured. The rigid insulation is protected in the panel and retains its R-value over time.

► Thermal Mass

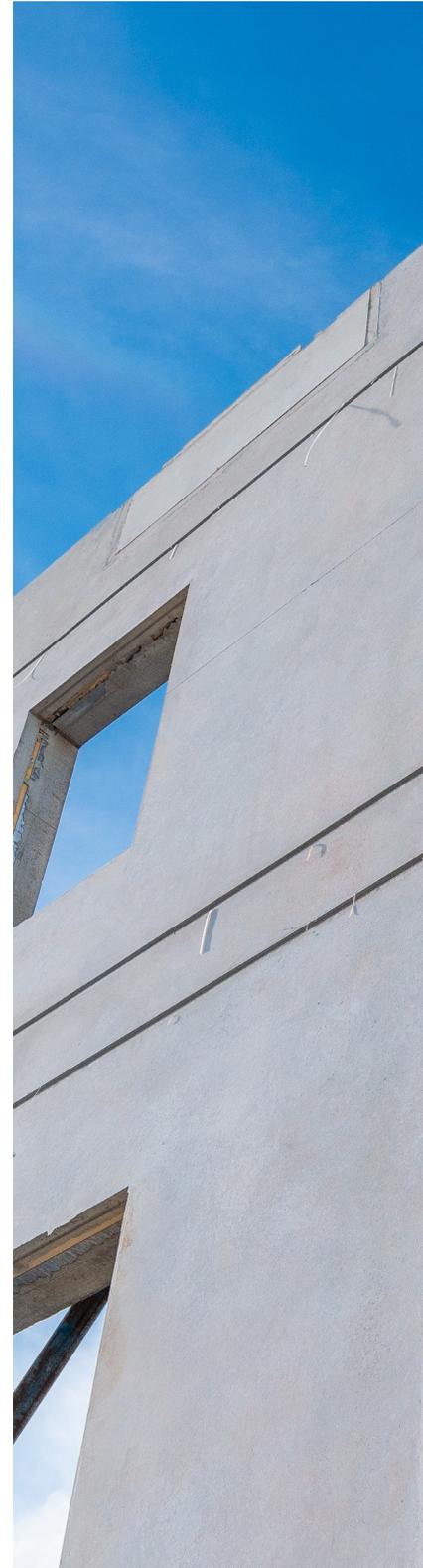
The panel's excellent thermal mass characteristics make it one of the most energy efficient methods of construction. Tilt-up concrete sandwich wall panels used as an interior surface can save materials by eliminating the need for interior framing and drywall, all while allowing concrete to gradually store and release heat to help moderate daily temperature swings. Thermal mass can improve comfort, resiliency and save energy.

► Durability

Concrete panels are low maintenance, which means cost savings for the entire life of the structure. Normal exterior concrete strength is 30 MPa with air to help it through the freeze-thaw cycles that exterior of building are subject to. Solid concrete on the exterior helps protect the insulation and structural integrity of the building from natural elements such as wind-driven rain, gale force winds, fires and extreme temperature swings all which can deteriorate a building over time. The panels are a cost-effective, energy-efficient, durable, strong and fire-resistant cladding system that will outlast most other building methods.

► Design Flexibility

Using one of the most fluid building products on the market means that any tilt-up building can be attractive which you can take great pride in. Textures produced by form liners and other methods can result in a wide variety of finish patterns including stone, brick, wood grains and others. An unlimited array of colourings can be added to the concrete, or coatings can be applied after the fact for beautiful affects. Interior wall panels with a smooth finish will resist everyday wear and tear, provide a clean, durable and mold resistant surface no matter the occupancy.





► Structural Integrity

Tilt-up panels are load bearing, meaning they eliminate the need for beams and columns along exterior walls. They are usually designed to span between the foundation and roof beams without the need for additional intermediate supports. They can accommodate a variety of loads, including wind, seismic, equipment, structural loads and provide blast resistance.

► Security

Tilt-up concrete applications offer superior fire resistance compared to conventional construction materials. The sandwich panels can provide up to 4 hours fire resistance, they have inherent fire containment characteristics, they add safety and security which can improve insurance rates and speed mortgage approvals. Damage to a concrete building is generally minimal and easily repaired. Tilt-up structures withstand wind and hail storms and are impenetrable by the smallest rodent, insect, or even the most determined human.

► Sustainability

The raw materials used in tilt-up panel construction are generally sourced locally, reduces construction waste, and minimizes transportation and disposal costs. They can be designed to be disassembled, saving materials and extending the life of the panels. The durability creates a long life-cycle with low maintenance, reducing the need for replacement and maintenance during a building's life.

► Speed of Construction

In tilt-up construction much of the work on the walls is done simultaneously. As the walls are built the exterior and interior finishes are completed along with the insulation, air and vapour barriers. Since tilt-up panels are load bearing, the footing and foundation work tends to be simpler also speeding up the construction process. When required a temporary casting slab can be used on-site, which further accelerates the schedule. With 90% of the work happening at ground level the need for scaffolding and aerial work is also minimized, once again speeding up productivity.

► Costs

The speed of construction allows for earlier occupancy and reduces the overall construction time and costs. Elimination of most exterior steel columns and piers can also be a significant savings. With tilt-up being an all-in-one exterior wall system much of the small costly details around openings, parapets and transition points in construction materials and finishes is eliminated.

Tilt-Up Process

1 Site Preparation & Foundation Slab

All required materials and equipment are gathered for the job. Next, the concrete floor slab is poured.



2 Forming Wall Panels & Adding Formliners

The crew assembles the panel forms on the floor slab. The panel forms serve as molds for the concrete. Each form provides the panel's exact shape and size as well as openings for doors and windows.

3 Pouring Outer Layer & Adding Insulation

Concrete is poured into the prepared forms to create the panels. Sandwich insulation is also encased into each building panel to give tilt-up structures true edge-to-edge insulation.



4 Panel Reinforcement, Inserts and Embeds & Pouring Inner Layer

Up next, workers tie in the steel grid to reinforce bars into each form. This part of the process gives the panels additional structural integrity. Workers also install inserts and embeds, which will be used to lift the panels later. Then the inner layer of concrete is poured.



5 Lifting Concrete Panels In Place

The concrete panels are given time to solidify; The crew then connects the panels to a crane. The crane then lifts the panels from the floor slab into position. From here, the workers will connect the panel's braces to the slab.

6 Panel Finishings & Caulking Joints

During the last step of the process, the building begins to look like a finished product. Exterior walls are finished and the joints are also caulked to prevent water penetration.



Cost Comparison

Choosing the right building method requires a thorough analysis of the construction methods available to get an accurate comparison on construction costs and long-term savings.

Items to consider when computing the total cost of building construction include:

- Savings to excavation
- Elimination of exterior piers and columns
- Savings to perimeter steel
- Elimination of multiple trades
- Speed of construction and reduction of overhead

	Tilt-Up (7-month schedule)	Conventional (9-month schedule)
General requirements	\$ 618,478.00	\$ 738,478.00
Concrete work	\$ 930,842.00	\$ 1,367,497.00
Masonry and precast		\$ 1,419,738.00
Tilt-up	\$ 1,460,000.00	
Interior demising walls	\$ 216,486.00	\$ 472,486.00
Structural steel/misc metals	\$ 998,580.00	\$ 1,520,180.00
Contingencies	\$ 211,219.30	\$ 275,918.95
Total	\$ 4,435,605.30	\$ 5,794,297.95

Savings on a 81,000 sq. ft. building

Savings with Tilt-up in \$: 1,358,692.65

Savings with Tilt-up in %: 23.40%

Energy Usage Comparison

Among its many benefits, one of the biggest draws of tilt-up construction is its energy efficiency. At a time when environmental impact is top of mind and school districts are looking for ways to cut energy costs, tilt-up buildings are an ideal solution.

Some of Ontario's school districts have the unique challenge of responding to drastic enrollment increases while increasing the sustainability of their buildings. Tilt-up makes it possible to achieve both goals.

Tilt-up construction takes advantage of concrete's thermal mass properties as well as more energy-efficient insulation systems and reduced air infiltration. This results in less air leakage and stable indoor temperatures, which can cut energy costs by up to 35%.

Traditional Construction VS Tilt-Up Construction



York Region School Board Average

Electrical:	5.29	kWh
Gas:	1.00	m ³



King Christian School

Electrical:	4.58	kWh	-14%
Gas:	0.58	m ³	-42%



CEPEO School Board Average

Electrical:	12.4	kWh
Gas:	1.24	m ³



Des Sentiers School

Electrical:	9.30	kWh	-25%
Gas:	0.39	m ³	-68%

*School energy usage per square feet

Project Profile

1269 Commerce Way

PROJECT LINK: Tiltwall.ca/project/commerce-way-woodstock-ontario-2014/

The building is multi-tenanted, and the design reflects unique architectures for each suite. This promoted the creation of three unique frontages, and allowed the design builder to employ three different tilt-up solutions. Currently the new building sits at the epicentre of a new industrial park. While the neighbouring complexes dwarf this new structure, this new contractor's office sits proud as a "jewel" for better construction possibilities.

PROJECT:	1269 Commerce Way	SQUARE FOOTAGE OF PANELS:	19,950 sq ft
ADDRESS:	1269 Commerce Way, Woodstock, Ontario	NUMBER OF PANELS:	45
YEAR BUILD:	2014 – 2016	HEAVIEST PANEL:	82,100 lbs
ENGINEER OF RECORD:	Barry-Bryan Associates (BBA)	TALLEST PANEL:	29'-4"
GENERAL CONTRACTOR:	Tilt Wall Ontario Inc.	LARGEST PANEL:	946 sq ft
BUILDING USE:	Mixed Office & Light Commercial		



LIFTING PANELS
An entire panel can be raised in a matter of minutes with tilt-up construction.



EXTERIOR VIEW
This bold design stands out from the neighbourhood's rectangular industrial buildings.

Richmond Hill Medical Building

PROJECT LINK: Tiltwall.ca/project/richmond-hill-medical-building-london-ontario-2015/

The unique lot setbacks, less than ten feet around two sides and about fifteen feet on a third side also posed construction challenges. Walls had to be fire rated and there was limited construction access for these sides of the building. Using site-cast insulated tilt-up construction helped overcome both of these difficulties. Using a heated floor slab enabled casting of the panels in early March, and in early April the panels were erected.

PROJECT:	Richmond Hill Medical Building	SQUARE FOOTAGE OF PANELS:	18,284 sq ft
ADDRESS:	215 Fanshawe Park Rd W, London, Ontario	NUMBER OF PANELS:	32
YEAR BUILT:	2015	HEAVIEST PANEL:	96,000 lbs
ENGINEER OF RECORD:	Barry-Bryan Associates (BBA)	TALLEST PANEL:	29'
GENERAL CONTRACTOR:	Grand River Contracting Inc.	LARGEST PANEL:	937 sq ft
BUILDING USE:	Doctors' Offices & Pharmacy		



LIFTING PANELS
Large panels were cast and erected on-site.



INTERIOR VIEW
Tilt-up panels are load bearing, which saved construction time and materials.

Project Profile

Clarington Transfer Station

PROJECT LINK: [Tiltwall.ca/project/clarington-transfer-station/](https://tiltwall.ca/project/clarington-transfer-station/)

In order to expedite the construction of the Relay Buildings A and B, while providing an economical alternative to a precast building, BBA recommenced and organized a change of construction methodology to tilt-up concrete construction. The alternate method of construction was able to provide multiple benefits to the owner and the design-build team.

PROJECT:	Clarington Transfer Station	SQUARE FOOTAGE OF PANELS:	20,338 sq ft
ADDRESS:	2745 Townline Rd N, Clarington, Ontario	NUMBER OF PANELS:	66
YEAR BUILT:	2016	HEAVIEST PANEL:	46,153 lbs
ENGINEER OF RECORD:	Barry-Bryan Associates (BBA)	TALLEST PANEL:	19'-7"
GENERAL CONTRACTOR:	JJ McGuire General Contractors	LARGEST PANEL:	351 sq ft
BUILDING USE:	Relay Buildings		



WINTER CONSTRUCTION

Using a heated slab and curing blankets allows construction to continue



LIFTING PANELS

Project Profile

Whitby Recycling

PROJECT LINK: [Tiltwall.ca/project/whitby-recycling/](https://tiltwall.ca/project/whitby-recycling/)

The abusive nature of the recycling operations in this facility meant that a hard wall system was needed. Insulated tilt-up panels offered a durable solution to this building's requirements. The load bearing elements of the tilt-up panels also means that perimeter steel columns could be removed, thereby offering more usable space.

PROJECT:	Whitby Recycling	SQUARE FOOTAGE OF PANELS:	12,067 sq ft
ADDRESS:	280 Hopkins Street, Whitby, Ontario	NUMBER OF PANELS:	31
YEAR BUILT:	2015	HEAVIEST PANEL:	42,572 lbs
ENGINEER OF RECORD:	WalterFedy	TALLEST PANEL:	29' -2"
GENERAL CONTRACTOR:	Johnson Building	LARGEST PANEL:	464 sq ft
BUILDING USE:	Sorting Facility		



PANEL CONSTRUCTION

With more wall area than floor, two constructions sets were required.



BACK VIEW

Simple reveal work makes this industrial building attractive

Project Profile

Coleraine Road

PROJECT LINK: Tiltwall.ca/project/coleraine-road-bolton-ontario-2008/

Repeat customer! Satisfaction with the quality of product and relationship with Tilt Wall meant that for the fourth time the owner would again use tilt-up for his project.

PROJECT:	Coleraine Road	SQUARE FOOTAGE OF PANELS:	47,888 sq ft
ADDRESS:	3289 Coleraine Dr., Bolton, Ontario	NUMBER OF PANELS:	68
YEAR BUILT:	2008	HEAVIEST PANEL:	108,000 lbs
ENGINEER OF RECORD:	B.G.B. & Associates Ltd.	TALLEST PANEL:	36'-7"
GENERAL CONTRACTOR:	Dig-Con International Limited	LARGEST PANEL:	1,700 sq ft
BUILDING USE:	Industrial Spec Building		



LIFTING PANELS

Temporary braces hold the panels in place till steel is erected.



PANELS LIFTED

Load bearing panels eliminate costly columns, beams and bracing.

Project Profile

30 Holland Street

PROJECT LINK: Tiltwall.ca/project/30-holland-street-bolton-ontario-2007/

The developer turned to designing another building with tilt-up, using insulated load bearing tilt-up panels. This meant that he would have a column free exterior wall system, which would allow him to market it as usable space. Interestingly, due to the economic recession the building was left vacant for a winter, the thermal mass properties of the insulated panels meant that without any additional heat the building was kept above freezing.

PROJECT:	30 Holland Street	SQUARE FOOTAGE OF PANELS:	54,658 sq ft
ADDRESS:	30 Holland St., Bolton, Ontario	NUMBER OF PANELS:	98
YEAR BUILT:	2007	HEAVIEST PANEL:	108,000 lbs
ENGINEER OF RECORD:	B.G.B. & Associates Ltd.	TALLEST PANEL:	36'-7"
GENERAL CONTRACTOR:	Dig-Con International Limited	LARGEST PANEL:	1,700 sq ft
BUILDING USE:	Industrial Spec		



PANELS ERECTED
All panels are erected and ready for structural steel.



LIFTING PANELS
Larger panels reduce vertical joints.

Project Profile

Production Tower Royal Canin

PROJECT LINK: Tiltwall.ca/project/royal-canin-guelph-ontario-2007-2009/

One of the highlights on this project was taking the structural core stairwell, which was designed as poured-in place, and converting it to tilt-up panels. The panels for this were cast on the side while the main floors were being constructed using a combination of tilt-up panels and structural slabs. Once the main floors had been poured and achieved the required strength (5 days) the 53-foot-high panels were erected.

PROJECT:	Royal Canin Canada	SQUARE FOOTAGE OF PANELS:	41,599 sq ft
ADDRESS:	100 Beiber Rd, Guelph, Ontario	NUMBER OF PANELS:	155
YEAR BUILD:	2007 - 2010	HEAVIEST PANEL:	111,600 lbs
ENGINEER OF RECORD:	Retiz Consultants	TALLEST PANEL:	51'-0"
GENERAL CONTRACTOR:	Nelson Timbro	LARGEST PANEL:	1,164 sq ft
BUILDING USE:	Manufacturing Facility & Laboratory		



FRONT VIEW
Most of the tilt-up panels were covered with insulated metal panels.



POURING PANELS
The Tilt Wall crew forms all components on-site, including this stairwell panel.



INSIDE VIEW
Tilt-up construction's versatility allows for both exterior and interior walls to be formed on-site.

Project Profile

Carlow Court

PROJECT LINK: Tiltwall.ca/project/carlow-court-whitby-ontario-2005/

Designed as a spec building the structural integrity of the tilt-up panels meant that the building could easily be divided into various size units once the project had been constructed and tenants were secured.

PROJECT:	10 Carlow Court	SQUARE FOOTAGE OF PANELS:	32,428 sq ft
ADDRESS:	10 Carlow Court, Whitby, Ontario	NUMBER OF PANELS:	58
YEAR BUILT:	2005	HEAVIEST PANEL:	51,000 lbs
ENGINEER OF RECORD:	Barry-Bryan Associates (BBA)	TALLEST PANEL:	31'-4"
GENERAL CONTRACTOR:	Johnson Building	LARGEST PANEL:	764 sq ft
BUILDING USE:	Mixed Commercial		



LIFTING PANELS

Tilt-up panels are easily and quickly lifted into their final position.



GRADE BEAMS

Tilt-up panels can act as grade beams when there are poor soil conditions.

Project Profile

38 Nixon Road

PROJECT LINK: Tiltwall.ca/project/38-nixon-road-bolton-ontario-2005/

Originally designed as a precast clad building, it was changed to site cast tilt-up panels due to a delay in the delivery of the precast. This was the 2nd of the first 2 buildings constructed for this developer/owner. Panels on this building were erected after the structural steel and used as a non-load bearing element. Construction of these insulated panels was done on site during the winter months.

PROJECT:	38 Nixon Road	SQUARE FOOTAGE OF PANELS:	33,076 sq ft
ADDRESS:	38 Nixon Road, Bolton, Ontario	NUMBER OF PANELS:	61
YEAR BUILT:	2005	HEAVIEST PANEL:	82,100 lbs
ENGINEER OF RECORD:	Tacoma Steckley Engineers	TALLEST PANEL:	38'-7"
GENERAL CONTRACTOR:	Dig-Con International Limited	LARGEST PANEL:	1,061 sq ft
BUILDING USE:	Industrial Spec		



LIFTING PANELS

A temporary casting slab and crawler crane were used in the erection of these panels.



UNTREATED CONCRETE

Panels were left as untreated concrete.

9 Browning Court

PROJECT LINK: [Tiltwall.ca/project/9-browning-court-bolton-ontario-2005](https://tiltwall.ca/project/9-browning-court-bolton-ontario-2005)

Tilt-up panels were used as an exterior finish to this pre-engineered steel building. The owner required an insulated hard wall system and rather than go with the traditional masonry route, insulated tilt-up walls with an exposed aggregate finish were used.

PROJECT:	9 Browning Court	BUILDING USE:	Industrial Spec
ADDRESS:	9 Browning Court, Bolton, Ontario	SQUARE FOOTAGE OF PANELS:	19,244 sq ft
YEAR BUILT:	2005	NUMBER OF PANELS:	41
GENERAL CONTRACTOR:	Dig-Con International Limited		



LIFTING PANELS

Interior panels were constructed using 6 inch thick solid panels.



SPANDREL PANELS

Large spandrel panels easily accommodate the large window openings.

Project Profile

Lucan Public Works Garage

PROJECT LINK: Tiltwall.ca/project/public-works-garage-lucan-ontario-2012/

Tilt-up was the construction method of choice for the design build contractor on this project. Needing walls that were both rugged and fire rated made insulated tilt-up panels a natural fit for this building.

PROJECT:	Lucan Public Works Building	SQUARE FOOTAGE OF PANELS:	3,581 sq ft
ADDRESS:	34330 Saintsbury Line, Lucan, Ontario	NUMBER OF PANELS:	13
YEAR BUILT:	2012	HEAVIEST PANEL:	43,800 lbs
ENGINEER OF RECORD:	VanBoxmeer & Stranges Ltd.	TALLEST PANEL:	18'-6"
GENERAL CONTRACTOR:	Van Boxmeer Construction CO Ltd.	LARGEST PANEL:	464 sq ft
BUILDING USE:	Office and Work Station		



LIFTING PANELS

A temporary casting platform was used for the construction of these panels.



FINISHED PRODUCT

This building proudly displays the Townships logo cast in concrete.



**BARRY BRYAN
ASSOCIATES**

Architects
Engineers
Project Managers



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December 12, 2014

Letter of Reference for Tilt Wall Ontario Inc.

To whom it may concern:

On behalf of Barry Bryan Associates (BBA), Architects, Engineers, it is my pleasure to provide this positive letter of recommendation for Tilt Wall Ontario Inc.

Tilt Wall Ontario Inc. has worked with BBA on numerous occasions over the past 12 years on a variety of Tilt-Up Projects. Noteworthy project would include:

- Humber College, Building 'B', New Academic Services Building
- Cargowall Industrial Warehouse
- Russell Reid Public School Addition
- Port Hope Police Facility
- London medical Centre Building

We have consistently found the management and staff at Tilt Wall Ontario to be professional, thorough and possess a high level of technical expertise.

I have no hesitation in recommending Tilt Wall Ontario Inc. as a highly competent concrete tilt-up contractor, capable of handling any project, based on our years of experience working with them.

Yours very truly,

Barry Bryan Associates
Architects, Engineers, Project Managers

Dennis L. Bryan, P. Eng., OAA, MRAIC, CAHP
Principal

DLB/gs

Letter of Reference



To whom it may concern:

April 8, 2017

We used Tilt Wall Ontario's innovative site cast tilt-up panels to recently construct a medical building at 215 Fanshawe Park Rd West in London Ontario. The cost savings combined with the speed and durability made it a natural choice for this project. Working with the Overbeek brothers and the team at Tilt Wall Ontario was a pleasure as they delivered on time and on budget. We would definitely recommend their product and services and look forward to working with them in the future. Should you have any questions feel free to contact me.

Regards,

Perry Sempecos
Copia Developments
President
519-701-1779
Psempecos@rogers.com

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519 204 7771 | 519 601 3779

Letter of Reference



July 14, 2011

Mr. Len Overbeek
Tilt Wall Ontario Inc.
Box 20227 Woodstock, ON N4S 8X8
VIA E-MAIL: len@tiltwall.ca

Dear Mr. Overbeek:

RE: ROYAL CANIN CANADA
GUELPH, ON

Just a note to thank you and your organization for the great work you have performed on the various projects you have completed for us in Canada.

As working in Canada is a new venture for our firm it has been a great pleasure working with a company like yours that shows the same work ethic, professionalism, and commitment to quality and safety that we expect from our workers and subcontractors here in the USA. As shown by the fact that we have awarded multiple tilt-up, foundation and SOG projects to your firm between 2007 to present we value you as our partner.

I would recommend Tilt Wall Ontario to any company looking for quality services as you have shown to us that under the most extreme weather, schedule and complex conditions you will perform and do so with outstanding performance and professionalism.

Again thank you for everything you have done to date and we look forward to our continued relationship.

Sincerely yours,

CARL A. NELSON & COMPANY /
CARL A. NELSON CANADA CORP. (d.b.a NELSONTIMBRO)



Ryan Harris
Project Manager



General Contracting • Design Build • Construction Management

April 8, 2011

Tilt Wall Ontario
P.O. Box 20277
Woodstock, ON
N4S 8X8

Attention: Len Overbeek

Reference: 522 Book Road East, Ancaster

Len

The purpose of this letter is to congratulate your company on an excellent job on the framing for the addition to the church.

The work was completed on schedule by a very professional crew. They come prepared to work and are safety conscious which is part of the GRC culture.

Other subtrades commented on how "square and true" the building was which made it a pleasure to work on the next stage of construction.

We look forward to working with you on future projects.

Regards

A handwritten signature in black ink, appearing to read 'Len Brunen', is written over a white background.

Per: Len Brunen

Letter of Reference



DESIGN-BUILD
CONSTRUCTION MANAGEMENT
TOTAL PROJECT DELIVERY

April 18, 2016

To whom it may concern;

We are pleased to provide a reference for Tilt Wall Ontario.

We have had the pleasure of working with them on a project in Ayr Ontario.

We have found their workmanship to be reliable and professional and their office staff and site personnel have met all of our expectations.

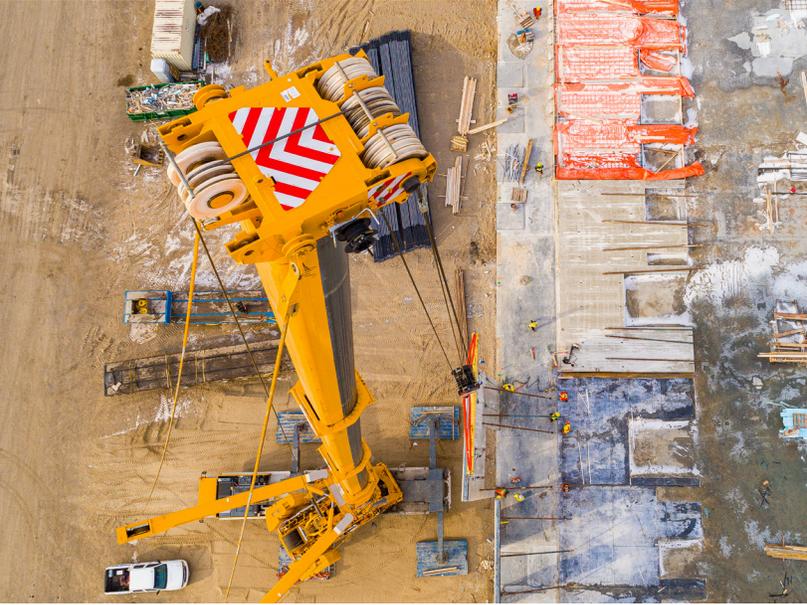
We are confident in the service provided by Tilt Wall Ontario and would recommend their services for any size project, large or small.

Sincerely,

A handwritten signature in blue ink that reads 'Dan Woodcock'.

Dan Woodcock, A.Sc.T., LEED® AP, GSC. PMP
Project Manager

Contact Us



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