

SUCCESS STORY



Tilt-Up School Aces the Test

SUMMARY

Broadview Public School was a complex job with an aggressive construction timeline. Most of the tilt-up panels were built during the winter months. This school was designed using concrete to show case the creative style of the architect firm. From beautiful and bold imprints to traditional brick this school demonstrates the wide variety of finishes that tilt-up can achieve with ease. Using insulated tilt-up sandwich panels allowed for an energy efficient school at costs that rival traditional construction methods.

CUSTOMERS

Owner: Ottawa-Carleton District School Board

Architect: Edward J. Cuhaci and Associates Architects Inc.

Engineer of Record: Cunliffe and Associates

General Contractor: Frecon Construction Ltd.

Tilt-Up Contractor: Tiltwall Ontario Inc.

PROJECT

Broadview Public School

Ottawa, Ontario

CHALLENGE

The tilt-up construction process was chosen due to its speed of erection, cost savings, and durability. But Broadview Public School was a complex job with an aggressive construction timeline, says Tiltwall Ontario's Len Overbeek.

The new school was built on the same property as the one it replaced, making for an extremely tight site for the tilt-up construction method. In addition, most of the tilt-up panels were poured during the winter months.

SOLUTION

Tiltwall Ontario's approach to delivering finished projects involves detailed planning and high productivity that fits with the Dayton Superior tilt-up systems approach. From chamfers to insulation, from inserts, to placement and bracing, Dayton Superior products were essential elements in achieving the high productivity needed in this project.



"Constructing this project over the winter proved to be difficult," says M.J. Heney, Project Manager, Frecon Construction Ltd. "And the tight site forced us to have multiple pours which further stressed the schedule."



Not only does site cast tilt-up construction offer plenty of architectural freedom, it is a cost-effective, energy-efficient, and a safe alternative to more traditional building methods.



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RESULTS

Not only does site cast tilt-up construction offer plenty of architectural freedom, it is a cost-effective, energy-efficient, and a safe alternative to more traditional building methods.

Those are just some of the reasons why Tiltwall Ontario has been using tilt-up concrete to build educational facilities for over a decade.

The tilt-up method has delivered schools in as little as four months, Overbeek notes. “The quality and durability of both concrete and tilt-up make it an obvious choice for school boards seeking to ensure a long-lasting useable life for their new facilities.”

Congratulations to Tiltwall Ontario on the project’s success. We are proud of how our Insulated Panel Bundled Solutions contributed to it.

RESOURCES

Insulated Concrete Panel Solutions: www.daytonsuperior.com/insulatedpanels

Tilt-Up Handbook: www.daytonsuperior.com/docs/default-source/handbooks/tilt-up-handbook.pdf

Tilt-Werks: www.daytonsuperior.com/brands/accessories/tilt-werks

Tilt-Up Engineering: www.daytonsuperior.com/services/engineering/tilt-up-engineering



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The striking architectural forms, use of colour, and variety of building materials create an attractive gateway to the adjacent residential community, explained Jerzy Jurewicz, Vice President, Edward J. Cuhaci and Associates Architects Inc.