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EIFS COUNCIL OF CANADA  
**ARCHITECTURAL**  
DESIGN AWARDS PROGRAM  
— 2016-2017 —

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**ARCHITECTURAL**  
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2016-2017 EIFS Council of Canada Architectural Design Awards Commemorative Book © 2017 EIFS Council of Canada

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Published in Toronto, Canada by EIFS Council of Canada.

Printed in Canada  
First Printing, 2017

EIFS Council of Canada  
70 Leek Crescent  
Richmond Hill, ON L4B 1H1

[www.eifscouncil.org](http://www.eifscouncil.org)

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# The EIFS Council of Canada Architectural Design Awards Program

In late 2016 the EIFS Council of Canada (ECC) proudly announced the inaugural ECC Architectural Design Awards Program. The Program intended to honour design professionals and firms which incorporate EIFS products into innovative and creative built projects. The goal of the Awards Program is to create a new benchmark in EIFS construction, and to showcase creative and technical excellence.

The Program was open to all Architects, architectural firms and design professionals that had designed and completed a building located in Canada which utilized EIFS. This year the Program received submissions from firms all across Canada. From these submissions, four finalist projects were chosen. The finalist projects exhibited excellence in the areas of design, contribution to community, sustainability and the innovative use of EIFS. The four finalists were:

- Seton Marriot Hotels, Calgary, AB – Don Dessario, NORR Architects, Engineers, Planners
- 1st Avenue Residence, Montreal, QC – Guillaume Marcoux, Architecture Microclimat
- Wilson's Walk, Victoria, BC – Paul Hammond, Low Hammond Rowe Architects
- Enchokay Birchstick School, Pikangikum, ON – Barrie Ottenbreit, Number TEN Architectural Group

Each project was chosen by a five member judging Panel comprised of: Alex Bozиковic (The Globe and Mail), Robert J. Dyck (Robert J Dyck Architect & Engineer Inc.), Dr. Ted Kesik (Daniels Faculty of Architecture, Landscape and Design, University of Toronto), Joe Somfay (IBI Group) and Dr. John Straube (Faculty of Architecture, University of Waterloo, RDH Building Science Inc.)

The Enchokay Birchstick School was unanimously selected by the Judging Panel as the Grand Prize Winner from the four finalists. All the finalist projects and grand prize winner were celebrated by Architects and EIFS industry professionals at the ECC Architectural Design Awards Program Dinner on June 13th, 2017 in Toronto.

This book is a continuing celebration and commemoration of the Finalists and Grand Prize Award Winners.

## The Judging Panel

In January the EIFS Council of Canada announced the names of 2016-2017 Judging Panel. The Panel convened in April and independently selected the four Award Finalists and the Grand Prize Winner. The five members of the Judging Panel were:



### **Alex Bozиковic, Architecture critic, The Globe and Mail**

Alex Bozиковic is the architecture critic for the Globe and Mail, Canada's National Newspaper. Alex's work has also appeared in prominent design magazines including Azure, Dwell, Frame, and Metropolis. He attended the University of Toronto and the City University of New York. Alex's latest book, "Toronto Architecture: A City Guide," has just been published.



### **Robert J. Dyck, President, Robert J Dyck Architect & Engineer Inc**

Robert J Dyck is the President of Robert J Dyck Architect & Engineer Inc. Robert has over 43 years of experience in the building industry. He is both a professional engineer and licensed Architect and has designed over 60 retirement and nursing homes. His projects have received numerous awards of excellence for design and urban design from the City of Waterloo, Kitchener and Cambridge.



### **Dr. Ted Kesik, Professor of Building Science, Daniels Faculty of Architecture, Landscape and Design, University of Toronto**

Dr. Ted Kesik is a professor of building science in the John H. Daniels Faculty of Architecture, Landscape and Design at the University of Toronto. His career has focussed on the integration of professional practice, research and teaching. Dr. Kesik continues to practice as a consulting engineer to leading architectural offices, forward thinking enterprises and progressive government agencies. He remains actively involved in technical organizations and is the author of numerous books, studies, reports and articles related to his areas of research and professional practice.



### **Joe Somfay, Senior Architect, IBI Group**

Joe Somfay is a Senior Architect with the IBI Group. Joe has over 45 years of experience in cities from Toronto to Sydney. As a designer and manager, he has coordinated large multi-disciplinary teams collaborating on complex institutional, residential, commercial and mixed-use projects. Joe is a two-time recipient of the Canadian Architect Award and a recipient of the Governor General's Award. Firmly committed to sustainability, Joe has taught at the University of Waterloo and consulted on sustainable design for the past 40 years.



### **Dr. John Straube, Professor, University of Waterloo and Principal, RDH Building Science Inc**

Dr. John Straube is an Associate Professor in the Department of Civil Engineering and the School of Architecture at the University of Waterloo. He has broad experience in the building industry, having been involved in the design, construction, repair and restoration of buildings across Canada, the United States, Europe, Asia, and the Caribbean. John is considered an international expert in moisture-related building problems. He is a Principal of RDH Building Science Inc. and has over 20 years' experience as a building scientist and engineer.

# The Finalist Award Projects

The Finalist Award Projects exhibited excellence in the areas of design, contribution to community, sustainability and the innovative use of EIFS. Each Finalist Award Project was chosen by the Judging Panel from a variety of submissions from across Canada.

*"Our finalists reflect and indeed, celebrate the use of EIFS in beautiful, diverse and innovative built projects. The projects are great examples of how EIFS can be used to great effect in architecture today,"*

- John M. Garbin, President/CEO, EIFS Council of Canada





## The Seton Marriott Hotel Calgary, Alberta

**Architect:**  
Don Dessario  
Principal, NORR Architects, Engineers, Planners

The building reflects a requirement by the client to create two distinct hotel brands in separate buildings, but to retain the advantage of shared amenities for parking, conference rooms, food service and guest amenities.

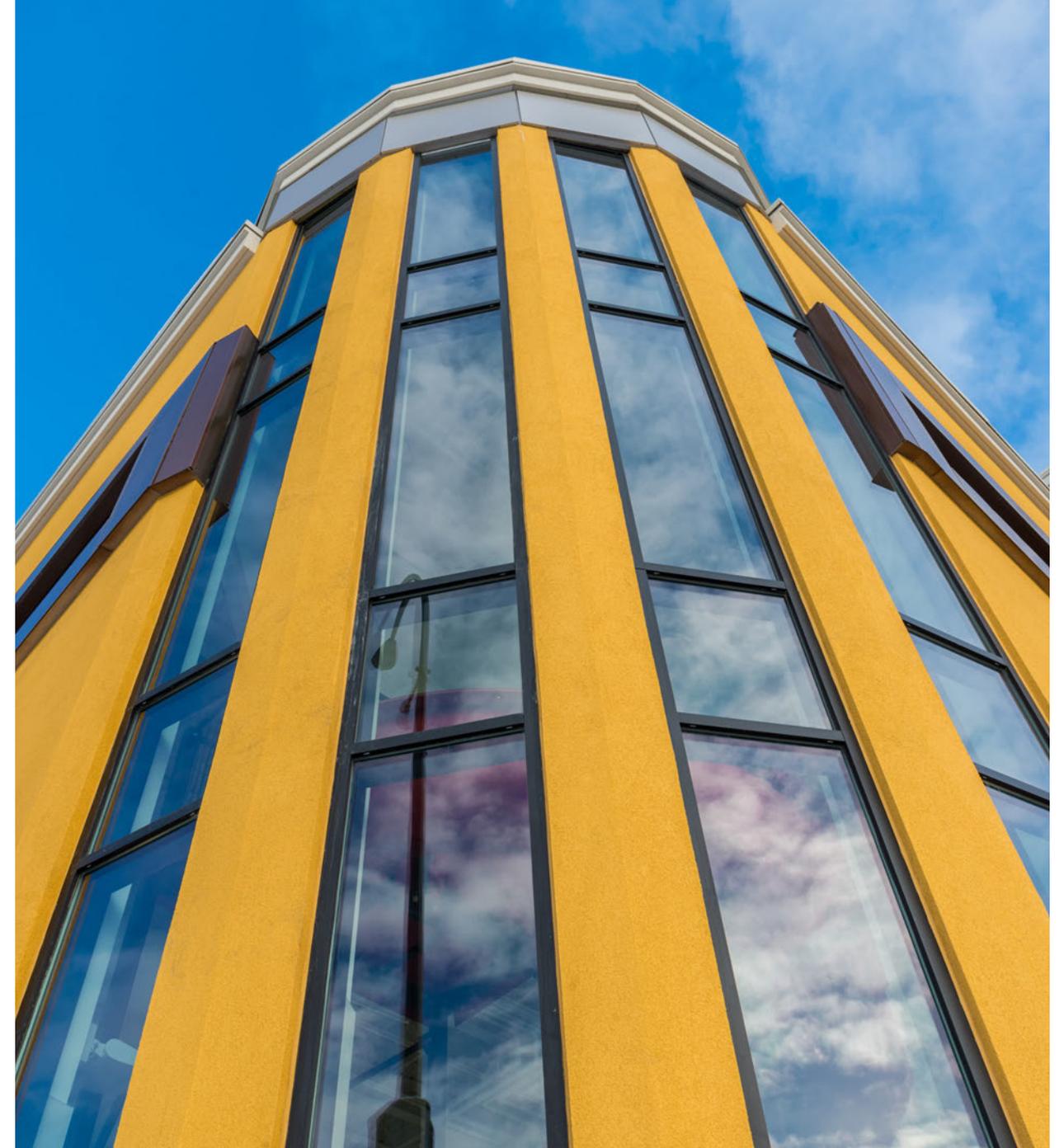
NORR Architects, Engineers, Planners devised a solution through the use of a 'podium'. The 'podium' comprises of the lower portion of the building: up to and including the second floor, and contains the shared amenities. Above the 'podium', each hotel brand is housed in a separate tower. Residence Inn for long stay guests with interior living amenities similar to an apartment and Courtyard Inn for short stay, hotel-feature guests.

The hotel provides 121 short stay rooms and 103 extended stay rooms. The short stay rooms are grouped together over seven storeys, with dedicated amenities including a small meeting room, lounge and business centre. The extended stay uses are located in a six storey building, served by meeting rooms, a 127 person conference area and a breakfast room. The short and long stay components are linked together by a two storey common amenity area that features a spa, pool and fitness area. Housekeeping and commercial kitchen areas are also centralized, in order to provide added operational efficiency in serving the needs of both short and extended stay guests.

In addition to building envelope performance improvements, mechanical system designs improve the buildings' sustainability. HRVs and staged mechanical systems were incorporated in the building to decrease energy use and improve sustainability.

Occupancy control systems were provided on a unit by unit heating/cooling system to provide the most effective and efficient use of mechanical systems.

The project was undertaken using an EIFS for the benefit of the continuity of the thermal envelope from below grade, through the podium with cavity wall insulation at the masonry, to the EIFS above at the same plane, to optimize the overall U-value of the building envelope. It was also undertaken to maintain the insulation at the exterior of the frame wall assemblies to ensure continuity of the vapour barrier assembly at the exterior of the wall to ensure appropriate constructability of the wall and eliminate potential failures that would occur in penetrating an internal vapour barrier.



**EIFS System Manufacturer:**  
DuROCK Alfacing International

**EIFS Contractor:**  
Holt Construction Services Ltd.

**Top right:** The bright colours of the Seton Marriott Hotel facade brighten up the street corner

**Bottom right:** Entrance to the long-stay suites of the Residence Inn

**Above:** Detail of EIFS system

Photographs courtesy of Holt Construction Services Ltd. and NORR Architects, Engineers, Planners



# The 1st Avenue Residence

## Montreal, Quebec

### Architect:

Guillaume Marcoux  
Architecture Microclimat

The clients, a family with two young children, originally looked at a field to build a new home in a borough of Montreal. Their land, formerly occupied by an abandoned house, has a large backyard facing south, which was the main inspiration for the project. The clients opted for a renovation of the abandoned house in order to re-use some of the structural elements and use a moisture drainage EIFS system on the back façade facing south. For the overall neighborhood, the revitalization of this house was a blessing.

The EIFS system permitted the architects to create a majestic triangular projection protecting the clients from exterior weather elements when using their balcony. The contrast of the white acrylic coatings with black windows provides a modern look appealing to the eye.

The EIFS assembly was provided in a white colour (high albedo) to prevent solar gains from the façade which faces south. The EIFS assembly improved the energy performance of the envelope which is in relation with reducing the overall carbon footprint by the clients operating the house.

From the interactive and efficient support in preliminary plans and drawings to back and forth discussions during the construction phase with the active participation of the EIFS contractor, these are the factors made this project successful. The devotion of passionate design professionals, manufacturer and contractors truly transpire on the 1st avenue residential project.



**Above:** The clients opted for a renovation of the abandoned house

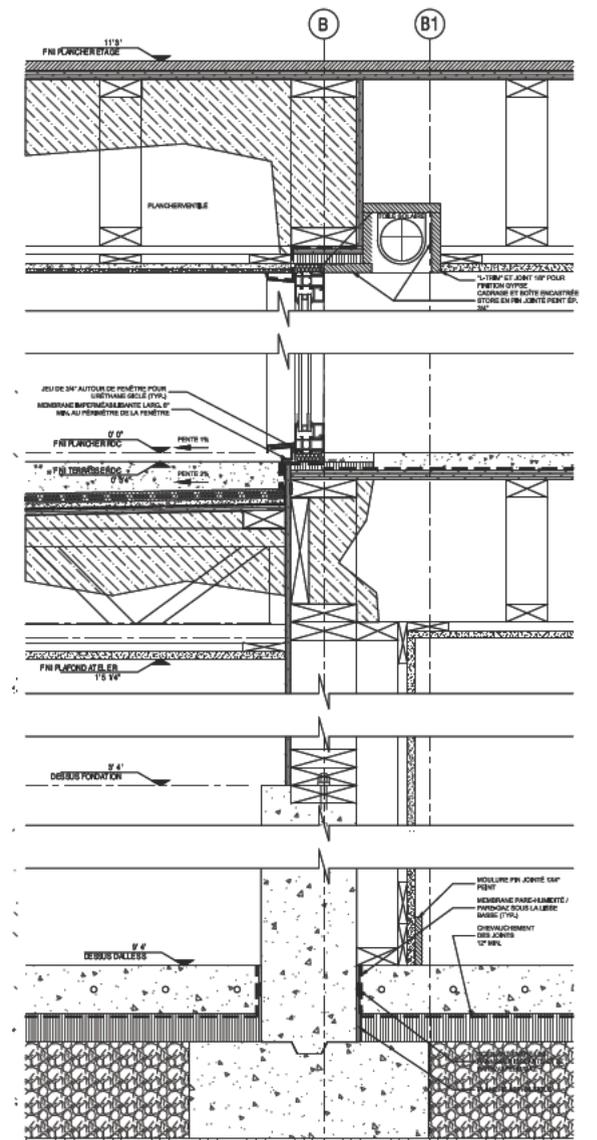
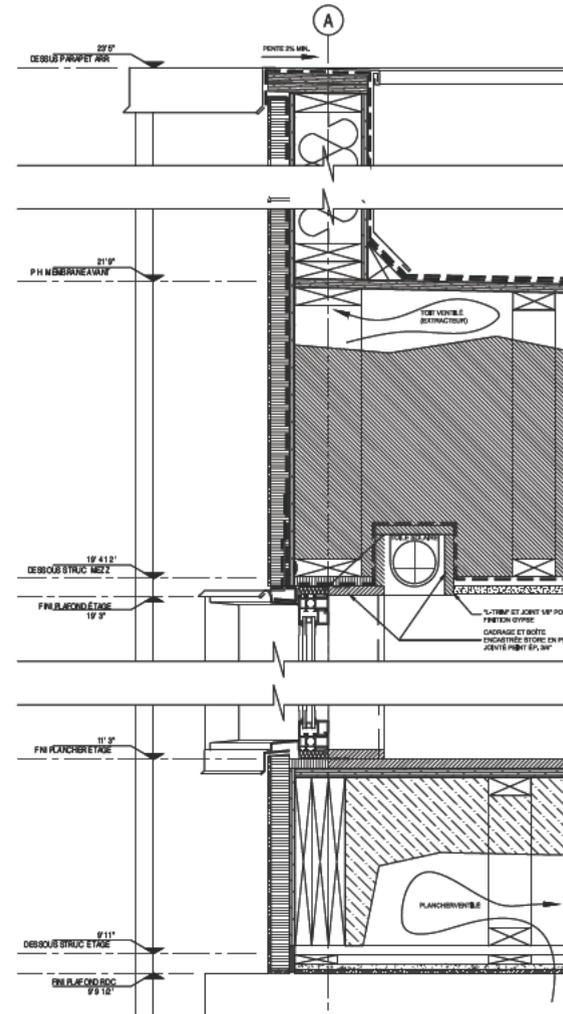


Left: The second floor view into the south facing backyard



Bottom left: Wall section detail above grade

Bottom right: Wall section detail below grade



**EIFS System Manufacturer:**  
ADEX Systems Inc

**EIFS Contractor:**  
Isolation RM

Above: The interior view of the kitchen, looking on to the spacious backyard

Left: The EIFS facilitates the smooth lines of the facade facing the backyard

Photography by Adrien Williams  
Drawings courtesy of Architecture Microclimat



# Wilson's Walk

## Victoria, British Columbia

### Architect:

Paul Hammond

Low Hammond Rowe Architects

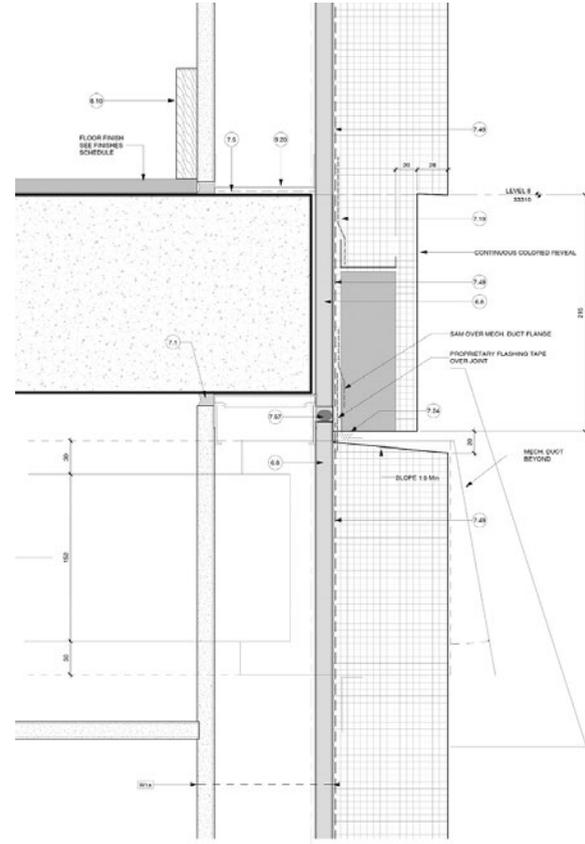
The Wilson's Walk project fits into a modern and dynamic residential neighbourhood. The challenge was to create a metal panel appearance using Dryvit's Reflectit custom finish and still provide the high performance of EIFS. The goal of this project was to construct a building where the units would be available to young urban singles, couples and families, all of whom are in need of affordable rental housing options.

The project incorporates 108 units of affordable 'near-market' rental housing oriented for singles, couples and families in a 9 storey building located in Victoria's Vic West community. The unit mix is predominately small 390 SF studio apartments, with larger one and three-bedroom units up to 1250 SF. The building provides two walk-up suites facing the Wilson Street, buffered with landscaped terraces and gated stairs.

The facades are articulated with undulating glazed balconies and coloured accent panels, and is designed to energy efficient standards. The façade design is intended to provide an expressive and attractive image of colour and texture within an otherwise conventional and repetitive floor plate, ensuring that this new building fits within its context of market and non-market residential buildings of various scales.

Construction is concrete frame with steel stud infill, clad in the Dryvit Reflectit system. The use of Dryvit's Reflectit panels allowed for a bold, defined panelized appearance while providing solid thermal performance.

The importance of this project is that a cooperative spirit was required to combine the efforts of architecture, engineering, construction, installation and specialty finishes into a thermally efficient and durable building.



**EIFS System Manufacturer:**  
Dryvit Systems Canada

**EIFS Contractor:**  
H&R Exteriors



**Top left:** One of two walk-up suites facing the street  
**Top right:** Typical wall section detail at slab  
**Bottom left:** Entrance to building

*Photography by Vince Klassen  
 Drawings courtesy Low Hammond Rowe Architects*





## The Grand Prize Winner

The Grand Prize Winner was unanimously chosen by the Judging Panel. They were unanimous in their praise and indeed in their selection:

*"This is a totally new way to respond to the harsh climate and surrounding area. The project exhibits strong building science concepts appropriate for its climate zone. It has a colourful, cheerful and beautiful looking façade. This is an incredible building by any metric."*

*- Dr. Ted Kesik, Daniels Faculty of Architecture, Landscape and Design*



## Enchokay Birchstick School

Pikangikum, Ontario

**Architect:**  
Barrie Ottenbreit  
Number TEN Architectural Group

In 2007, a fire destroyed the First Nation's original school. Since then, students from early years to Grade 12 had no choice but to attend school out of temporary portable classrooms. School attendance in these temporary facilities was low and attracting and retaining teachers was difficult. The new school has 100,000 SF of floor space area. It is a focal point for the community, serving as its education centre, community gathering space, and hub for a wide range of educational activities. It is the largest building in the community, designed to be a safe and secure place that reflects and celebrates Pikangikum First Nation's traditional values, cultures and traditions, while incorporating the latest in modern technology and school design. Since the project broke ground, the First Nation has seen a spike in school registration and every update concerning the new facility generated huge excitement in the community.

The design theme centers around a visual representation of the journey of learning students will take as they progress from childhood to adolescence into adulthood. This journey is expressed throughout the school using thoughtful symbolism, colour, and a well-designed layout that serves to break up the space into distinct learning zones grouped by age level. The design-build team put tremendous effort into the design, working long hours and going the extra mile to research and understand Pikangikum's distinct and proud culture. The exterior wall pattern used a mix of several vivid colours with various shapes installed in different angles to reflect an outstanding dynamism.

A brick cladding system was originally planned for the project. Number TEN Architectural Group substituted brick for an EIFS system in order to reduce the carbon footprint and improve the energy efficiency of the building envelope. EIFS assemblies are lighter than brick and an EIFS system requires about 75% less energy than brick to extract and create the raw materials needed to produce both products. The EIFS used on Enchokay Birchstick School is called "ADEX-RS" by ADEX Systems Inc, a Canadian leading EIFS manufacturer. It was decided to install 100% of the insulation on the exterior side of the building envelope to eliminate any risk of condensation and reduce the thermal bridging effect.



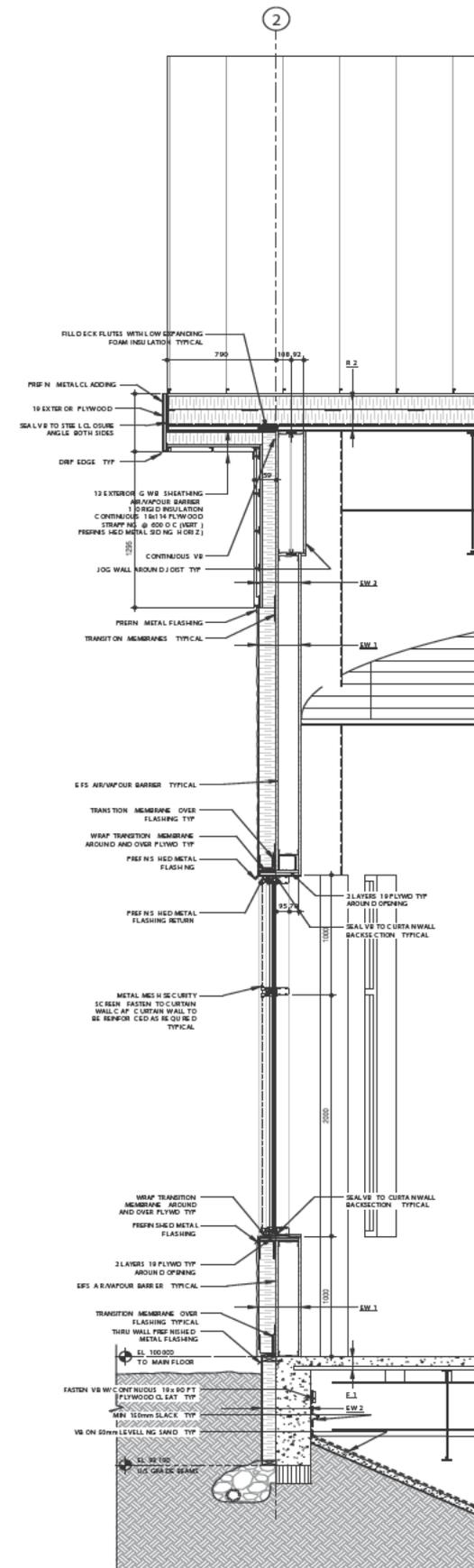
The EIFS also provides continuity of the air/vapour barrier system over the complete surface of the building envelope due to adhering the geometrically-defined drainage cavity EPS insulation over the continuous liquid-applied water resistive barrier. Combining continuity of the air/vapour barrier system and exterior insulation resulted in a high energy performing wall assembly.

All key participants worked in an integrated design process including the EIFS manufacturer and distributor. Several meetings were scheduled at Number TEN Architectural Group in order to address computer simulation modeling, work and improve details for the EIFS system. Complicating the delivery schedule and budget were the complex logistics of building a project in a remote part of Northern Ontario that is not accessible by road. EIFS materials needed to be shipped in a carefully planned sequence using ice roads in winter, and barges in summer. Project was completed in due time and within budget. Every participant of the project was aligned with one main objective: get the project done right the first time.



Top: Exterior view of the playground

Bottom: Aerial view of Enchokay Birchstick School



**EIFS System Manufacturer:**  
ADEX Systems Inc.

**EIFS Contractor:**  
Armstrong Exteriors

Above (2): The design elements in the facade treatment use the symbolism of a healthy, growing forest. The forest is reflective of the stages of the students' lives as they progress on their journey of learning from childhood to adulthood.

Left: Wall section through the library

Photography and drawings courtesy Number TEN Architectural Group



We create chemistry



## Acknowledgements

The Awards Program would not have been possible without the initiative and support of the EIFS Council of Canada. In addition, a special thank you to the Architectural Design Awards dinner table sponsors and their invited guests.

### **ECC Architectural Design Awards Dinner Table sponsors:**

- ADEX Systems
- BASF Corporation
- Dryvit Systems Canada
- Durabond Products Ltd.
- DuROCK Alfacing International
- Sto Canada Ltd.



**Left:** John M. Garbin, (President/CEO, ECC) Presides over the ECC Architectural Design Awards Dinner on June 13th in Toronto



**Finalist Award Winner, Seton Marriott Hotel**

**From Left:** John M. Garbin (President/CEO ECC), Pavel Yurtz (Holt Construction Services Ltd. on behalf of Don Dessario, NORR Architects, Engineers, Planners), Dr. Ted Kesik, (Professor of Building Science, John H. Daniels Faculty of Architecture, Landscape and Design)



**Left:** Dr. Ted Kesik, (Professor of Building Science, John H. Daniels Faculty of Architecture, Landscape and Design) and John M. Garbin (President/CEO ECC) present the Finalist Award Winners



**Finalist Award Winner, Architecture Microclimat**

**From Left:** John M. Garbin (President/CEO ECC), Dave Barriault (ADEX Systems Inc on behalf of Guillaume Marcoux, Architecture Microclimat), Dr. Ted Kesik, (Professor of Building Science, John H. Daniels Faculty of Architecture, Landscape and Design)



**Finalist Award Winner,  
Number TEN  
Architectural Group**

**From Left:**  
John M. Garbin  
(President/CEO ECC),  
Michael Sigurdson  
(Number TEN  
Architectural Group  
on behalf of Barrie  
Ottenbreit, Number TEN  
Architectural Group), Dr.  
Ted Kesik, (Professor of  
Building Science, John  
H. Daniels Faculty of  
Architecture, Landscape  
and Design)



**Grand Prize Award  
Winner,  
Number TEN  
Architectural Group**

**From Left:**  
John M. Garbin  
(President/CEO ECC),  
Michael Sigurdson  
(Number TEN  
Architectural Group  
on behalf of Barrie  
Ottenbreit, Number TEN  
Architectural Group), Dr.  
Ted Kesik, (Professor of  
Building Science, John  
H. Daniels Faculty of  
Architecture, Landscape  
and Design)



**Finalist Award Winner,  
Paul Hammond Rowe  
Architects**

**From Left:**  
John M. Garbin  
(President/CEO ECC),  
Paul Hammond (Low  
Hammond Rowe  
Architects), Dr. Ted Kesik,  
(Professor of Building  
Science, John H. Daniels  
Faculty of Architecture,  
Landscape and Design)



**Finalist Award Winners and  
Grand Prize Award Winner**

**From Left:**  
Pavel Yurtz (Holt  
Construction Services Ltd.,  
on behalf of Don Dessario,  
NORR Architects, Engineers  
and Planners), Dave  
Barriault (ADEX Systems  
Inc, on behalf of Guillaume  
Marcoux, Architecture  
Microclimat), John M.  
Garbin, President/CEO,  
ECC), Michael Sigurdson  
(Number TEN Architectural  
Group, on behalf of Barrie  
Ottenbreit, Number TEN  
Architectural Group), Paul  
Hammond (Principal, Low  
Hammond Rowe Architects)

