

# PRE-FABRICATED WALL SYSTEM **ENNVELOP**

## MEDIUM AND LARGE FORMAT WALL SYSTEM

The ENNVELOP wall system revolutionizes exterior facades by offering fully customizable pre-fabricated rainscreen panels in medium and large formats. Our dry-gasketed system reduces the need for exterior work, leading to faster enclosure times, reducing on-site skilled labour needs, and enhancing site safety. The system seamlessly integrates with Ennova's ENNWALL unitized curtain wall system.



Tested Performance Superiority



Reduced Labour & Enhanced On-Site Safety

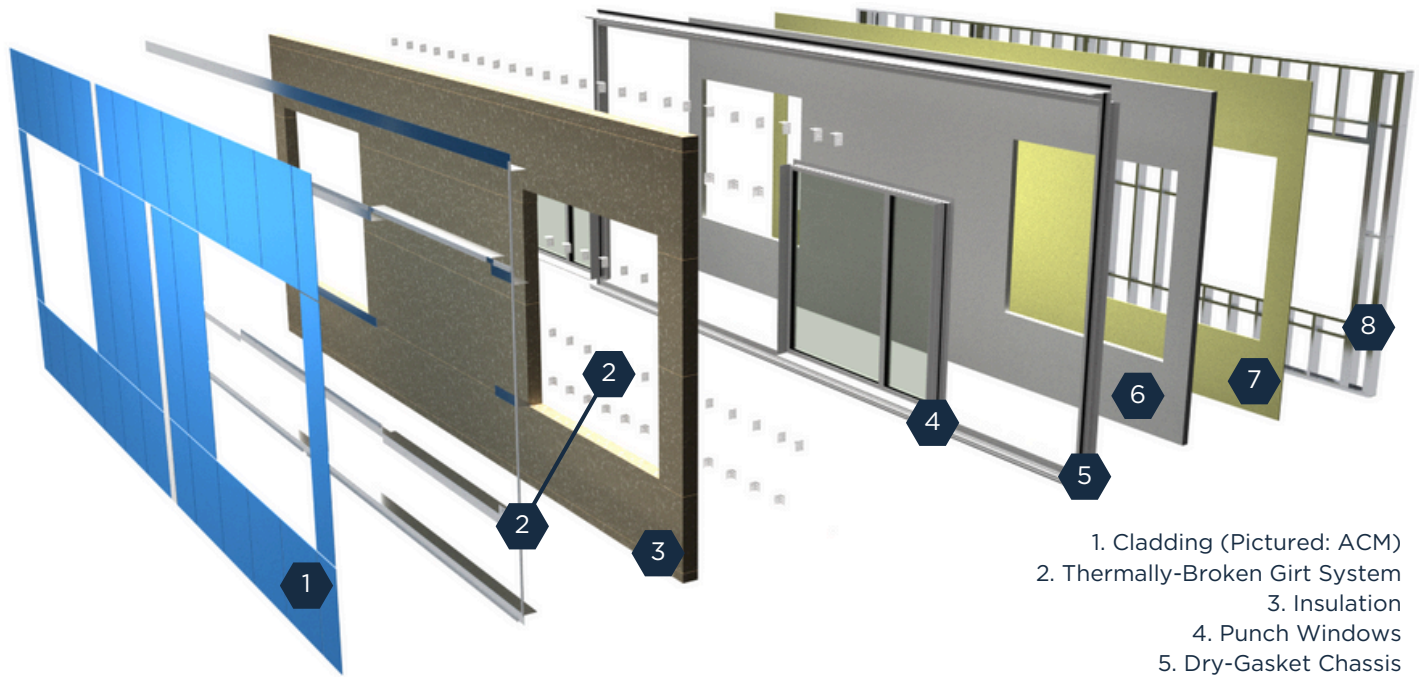


Improved Quality Control



Configuration, Orientation, & Finish Options

# ENNOVA



1. Cladding (Pictured: ACM)
2. Thermally-Broken Girt System
3. Insulation
4. Punch Windows
5. Dry-Gasket Chassis
6. AVB
7. Sheathing
8. Panel Structure (Pictured: Stud Wall)

# About ENNVELOP

The ENNVELOP wall system is a highly customizable pre-fabricated facade solution. By harnessing Ennova's next-gen curtain wall technology, the system combines both high-energy efficiency and cost effectiveness to meet the needs of any project. Clients can choose from medium- and large-format size options, select from a range of finish materials, and control elements such as configuration and orientation.

## Features:

- Uses Ennova's standard 3-way adjustable anchoring system and seamlessly integrates with the ENNWALL curtain wall system.
- Stack joints between units are designed to take up project-specific vertical movement.
- Factory-installed & sealed glazing systems.
- Proven rainscreen drainage principles.



Enhanced Quality Control



Faster Enclosure Times



A Tested, Dry-Gasketed System



Enhanced On-Site Safety



Fully Bespoke



**Excellence  
beyond measure.  
Innovation  
without compromise.**

ENNVELOP Tests and Performance Data

Category	Test	Requirement	Results
Air	Air leakage at 1.57 psf as per ASTM E 283	1.50 L/s.m <sup>2</sup> (0.30 cfm/ft <sup>2</sup> )	0.027 L/s.m <sup>2</sup> (0.005 cfm/ft <sup>2</sup> )
	Air leakage at 6.24 psf as per ASTM E 283	0.3 L/s.m <sup>2</sup> (0.06 cfm/ft <sup>2</sup> )	0.025 L/s.m <sup>2</sup> (0.005 cfm/ft <sup>2</sup> )
Water	Static water penetration as per ASTM E 331	No water leakage at 12 psf (575 Pa) of static pressure difference	Pass
	Dynamic water penetration as per AAMA 501.1	No water leakage at 12 psf (575 Pa) of dynamic pressure	Pass
Structural	Structural service load test as per ASTM E 330 at 1.94 kPa (40.5 psf)	Aluminum framing span less than 4220 mm (166.14 in): L/175 , aluminum framing span greater than 4220 mm (166.14 in): L/240 + 6 mm; stud wall < L/360	Pass
	Structural ultimate load test as per ASTM E 330 at 2.91 kPa (61 psf)	No damage or failure observed, permanent deformation does not exceed 2/1000 of the span.	Pass
	Interstory lateral drift as per AAMA 501.4 (3 cycles) at 19.1mm (3/4")	There shall be no permanent deformation or damage to the test feature. At the conclusion of the test, there shall be no ultimate failure, glass breakage, or damage to surrounding or support construction.	Pass
	Vertical live load differential movement as per AAMA 501.7 (3 cycles) at 19.1mm (3/4")	There shall be no permanent deformation or damage to the test feature. At the conclusion of the test, there shall be no ultimate failure, glass breakage, or damage to surrounding or support construction.	Pass
Thermal Transmittance	Ennvelop can accommodate any insulation type or thickness, and achieve any R-value requirement by incorporating a thermal bridge free panel joint design that maximizes performance.		
	Historic nominal R-value of >30 for 8" of mineral wool insulation outboard of AVB (no insulation in stud wall cavity).		

# NOTABLE PROJECTS

# ENNVELOP



The Exchange - Detroit, MI



Limberlost Place - Toronto, ON



Connecticut Children's Hospital - Hartford, CT



Gordie Howe International Bridge - Windsor, ON

## Applications Include

Hospitals and Medical Facilities  
Educational Institutions  
Mixed-Use Tower Complexes  
Government Facilities

## Our Clients Include

Architects  
Engineers  
Construction Managers  
Project Owners



620 Sprucewood Ave, Windsor, ON N9C 0B2  
519-969-1740  
[solutions@ennovafacades.com](mailto:solutions@ennovafacades.com)  
[ennovafacades.com](http://ennovafacades.com)

# ENNOVA