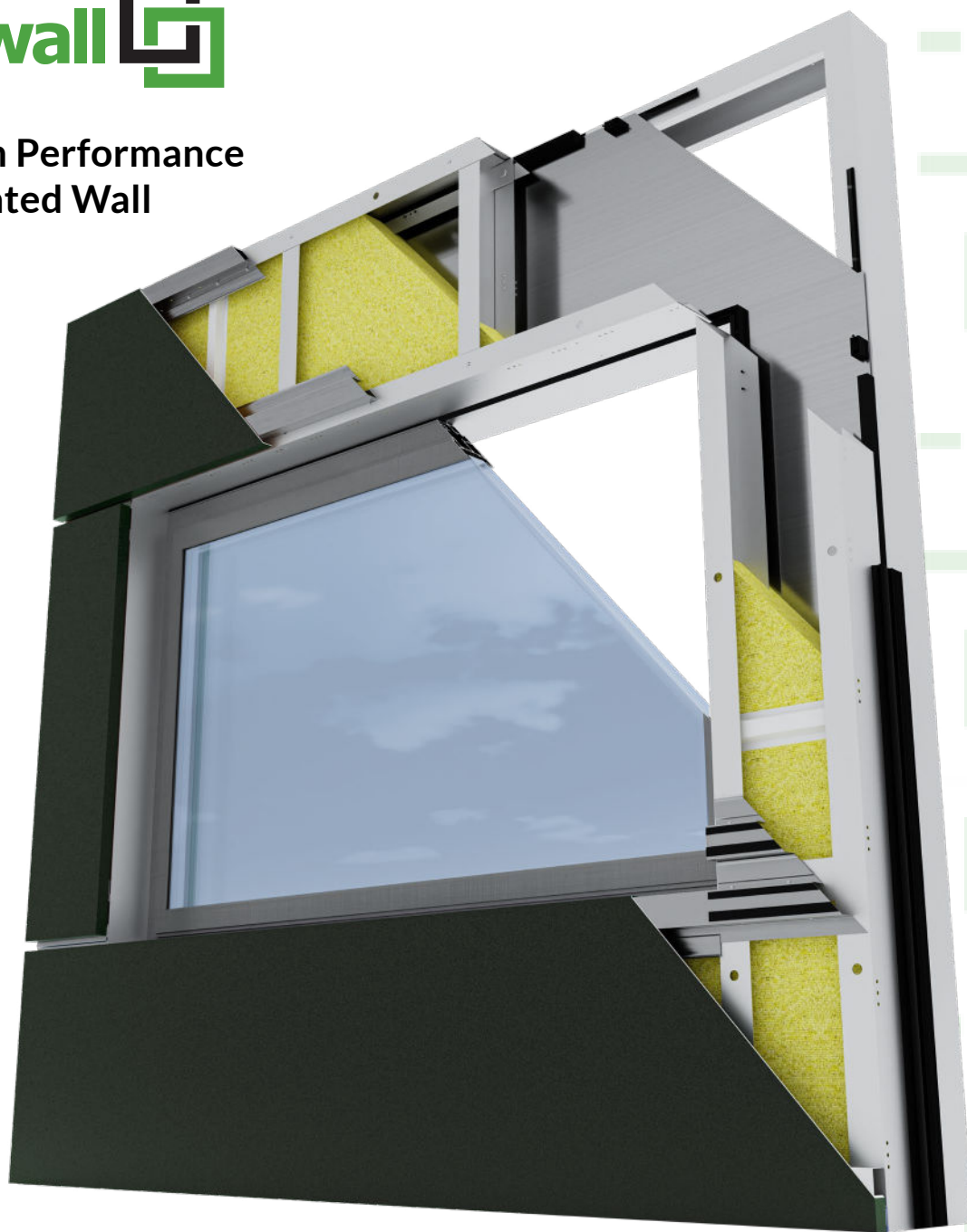




## Ultra-High Performance Prefabricated Wall Systems



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### Start With the Wall to Build Better

UnitiWall Corporation offers the most comprehensive prefabricated rainscreen wall panel system ideal for new construction projects and deep energy retrofits.

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Efficient



Unitized



Durable



Versatile

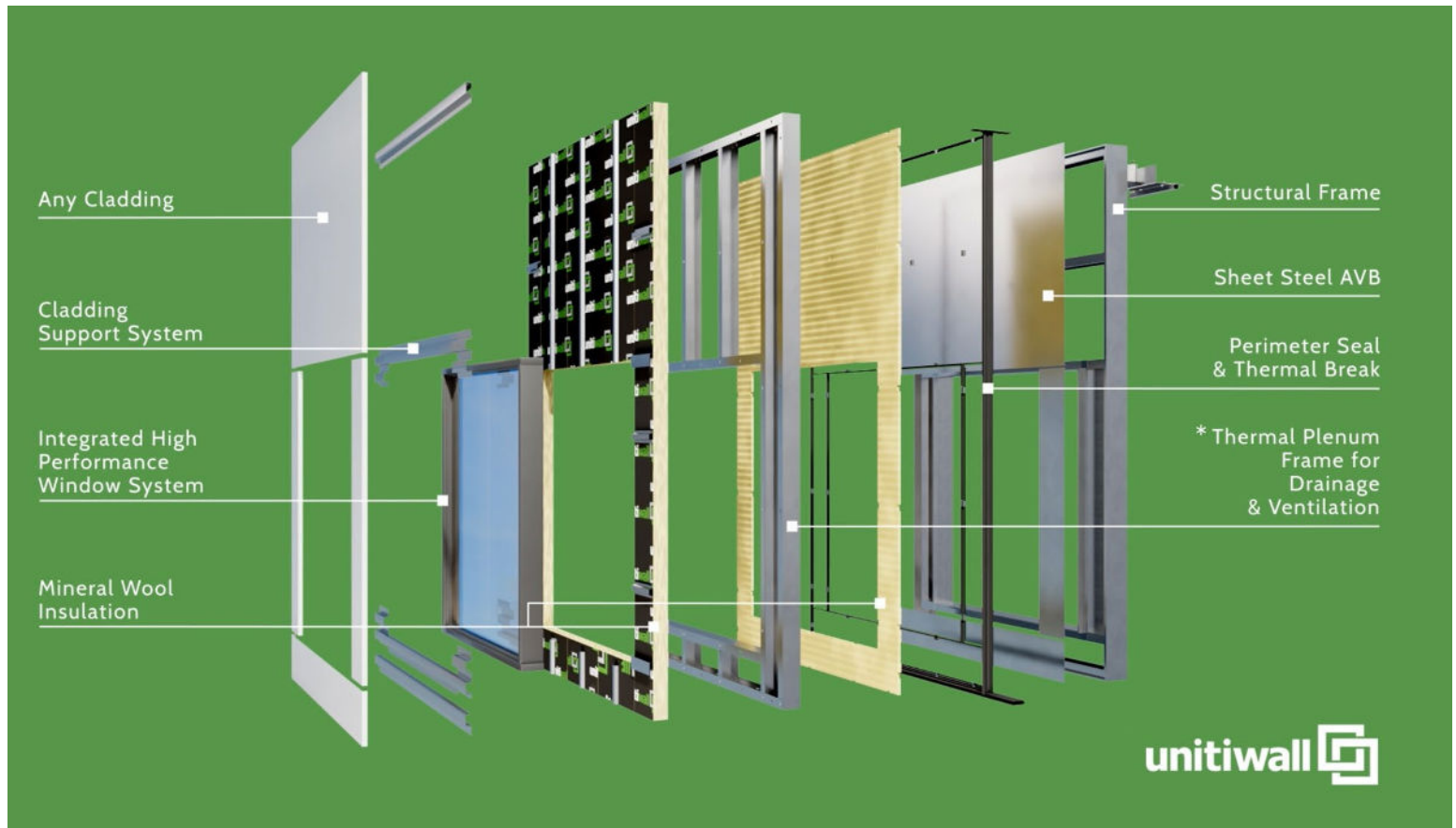


Sustainable



Aesthetic

# How it Works



Typical Wall System Thickness 11-15" (plus cladding thickness)

\*Patented Technology

## Wall-to-Wall Technology of the Future

Step into a world of innovation with UnitiWall, where you're invited to discover the cutting-edge world of high-performance wall systems that are revolutionizing the way buildings are constructed. Our patented Thermal Plenum Technology is sustainable and resilient while providing true rainscreen functionality and thermal isolation. With aesthetically elegant building solutions, we elevate the performance of your buildings and redefine the very essence of modern construction.

Customize your project with a variety of cladding and window options tailored to your unique needs. Site efficiency and safety are increased, allowing for accelerated construction schedules by up to 80%, saving you time and money.

## Aesthetically Pleasing. Thermally Broken. Rainscreen Performance.

### What We Build

- ♦ Educational Institutions
- ♦ Hospitals
- ♦ Government Buildings
- ♦ Long Term Healthcare Buildings

### Who We Work With

- ♦ Architects
- ♦ Engineers
- ♦ Constructors
- ♦ Building Officials

Where sustainability meets  
artistry, and efficiency embraces  
innovation. Discover a new era of  
architectural brilliance.



Our clients are eager to reshape the future of construction. Architects, Developers and Constructors who value innovation, efficiency, and sustainability are our ideal partners. We welcome those who dare to challenge the status quo, and embrace versatility to create cutting-edge structures that stand as testaments to sustainability and resiliency.

Come join us in sharing the passion for redefining the way we build, one prefabricated panel at a time.

80%  
FASTER  
INSTALLATION

50% to 80%  
BETTER  
PERFORMANCE

▶ Significant economic  
and CO<sub>2</sub> emissions  
savings

Fully Compatible with any  
Cladding and Window System



Specialty Metals



Glass



Wood



Phenolic



Terracotta



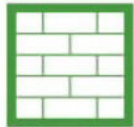
Solar Shading



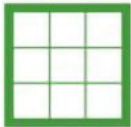
Fiber Cement



Concrete



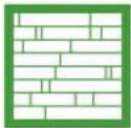
Brick



Porcelain



Extruded/Perforated  
Metals



Slate

Commitments:



Do Better. Build Better. Leave the World, Better.

# Performance Tested for Superior Specifications

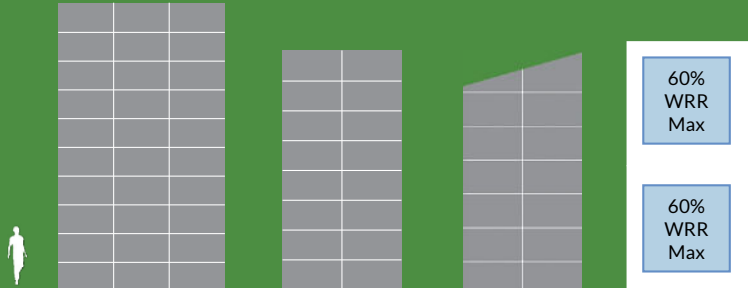
Based on Clear Wall 15" cold formed steel assembly with 8.75" of mineral wool insulation, 6" framing wall and steel cladding system			Upper Test Limits
Effective R30+ (U = 0.18W/m²K)*		CZA Z5010:21	Modelled Data
Weather Resistance	Preload - Wind Pressure	ASTM E330-14	+/-1, 125Pa
	Air infiltration/exfiltration (static pressure)	ASTM E283-19	<0.1 L/s.m at +/-300Pa
	Plenum Ponding Test	AAMA 511	735Pa
	Water penetration (dynamic pressure)	AAMA 501.1-17	720Pa
Structural	Uniform Structural Design Load	ASTM E330/E330M-14(21)	+/-3,375Pa
	Interstory horizontal displacement (left/right)	AAMA 501.4-09	+/-6mm
	Interstory horizontal displacement (in/out)	AAMA 501.4-09	+/-9mm
	Interstory vertical displacement (up/down)	AAMA 501.7-11	+/-19mm
	Interstory horizontal (Inelastic drift) (left/right)	AAMA 501.4-09	+/-10mm
	Interstory horizontal (Inelastic drift) (in/out)	AAMA 501.4-09	+/-14mm

\*Optional enhanced performance with closed cell insulation to interior structural cavity, where possible.

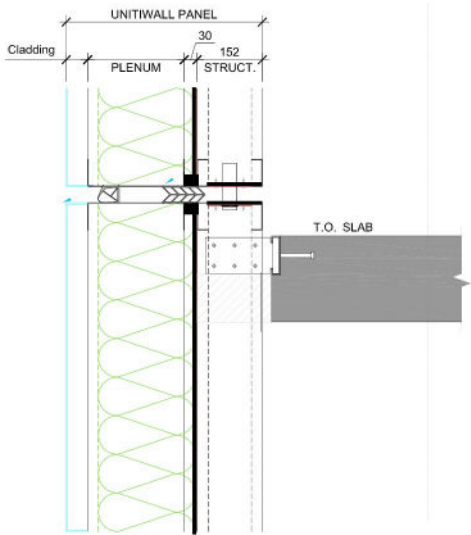


## All Panel Formats are Customized Based On:

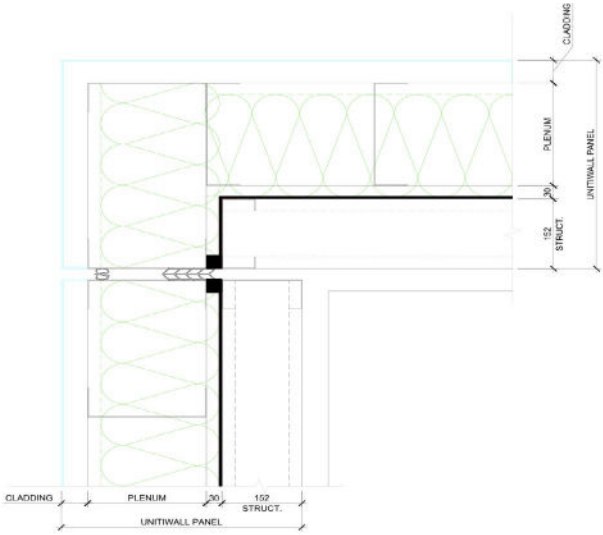
- 1. Manufacturing Parameters
- 2. Logistics and Delivery Optimization
- 3. Building Structure Type
- 4. Cladding and Architectural Finish
- 5. Punched Windows vs. Curtain Wall Configuration



## Standard Details



Vertical SF - CIP Floor



Vertical Panel Joint at Corner (TYP)





### Efficient

Unmatched performance with an effective R30+ ( $U = 0.18W/m^2K$ )\*, supporting envelope-first design strategies for high-performance buildings.

\*dependent on panel size and panelization plan



### Durable

Engineered to exceed next-gen building codes and integrated with the industry's most durable claddings, UnitiWall is built to last and reduce maintenance costs.



### Unitized

Prefabricated off site with the work of multiple trades "built-in", allowing your construction schedule to take a giant leap forward in production.



### Versatile

Architectural freedom that honours original design intent with compatibility for all premium rainscreen claddings, and integrated windows.



### Sustainable

Utilizing recycled and/or recyclable materials, our patented Thermal Plenum technology surpasses code requirements. With a commitment to local sourcing, we're advancing towards a Zero Carbon future.



### Aesthetic

Glass, stainless steel, granite, aluminum, ACM, GFRC, brick, and more... We bring your design to life with our fully unitized, rainscreen wall system.

## Technically, it's a wall. Technologically... it's magic.

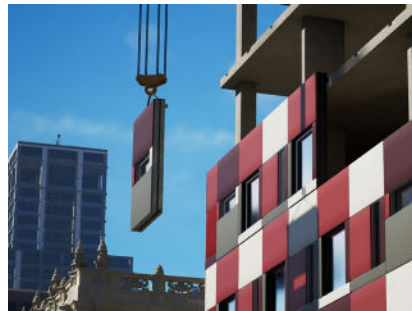
### UnitiWall for Retrofits

Take a giant leap forward in technology and efficacy with our all-in-one solution for energy efficient retrofits. Fully-unitized, these wall systems come pre-fabricated and ready for installation, ensuring energy savings, GHG reduction, and sustainability advantages.



### UnitiWall for New Buildings

With the work of multiple trades built-in and a remarkable installation process managed from the inside-out, our system provides for full design flexibility. Drastically reduce cost, risk, and labour requirements by up to 80%, ensuring overall project success.



### Notable Project Academic Wood Tower at the University of Toronto

As one of Canada's tallest mass timber projects, an impressive 80-metre tall, 15-storey tower, UnitiWall is providing the entire exterior opaque building envelope. A complex system that will seamlessly integrate with the façade, ensuring an airtight, sustainable exterior. This endeavor sets a new standard for prefabricated wall systems, defining excellence in sustainable construction.



Members of:



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