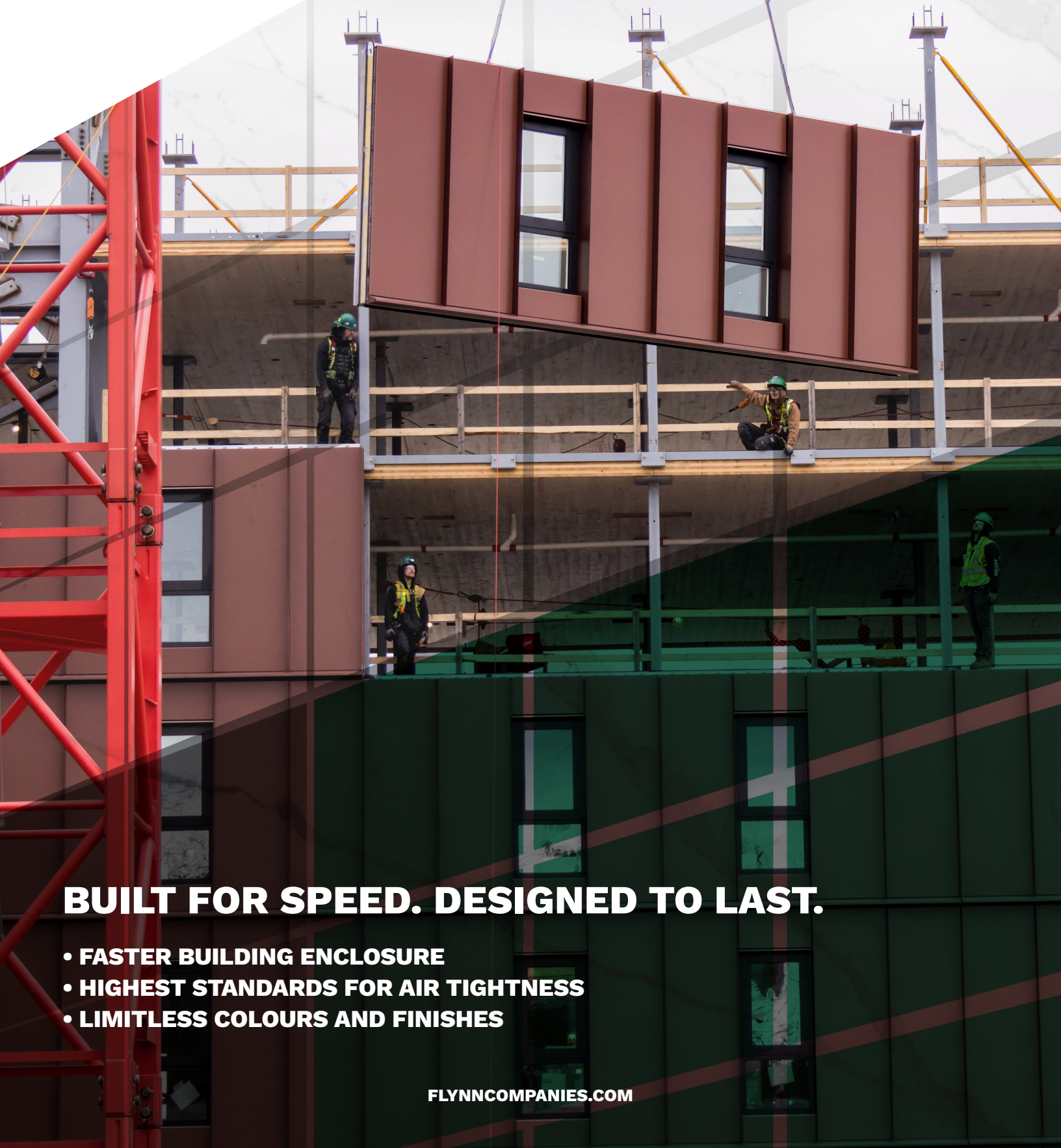




SPEEDWALL

MODULAR SYSTEM



BUILT FOR SPEED. DESIGNED TO LAST.

- **FASTER BUILDING ENCLOSURE**
- **HIGHEST STANDARDS FOR AIR TIGHTNESS**
- **LIMITLESS COLOURS AND FINISHES**

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SPEEDWALL FUTURE-PROOFS YOUR BUILDING

Speedwall answers the challenge of emerging building codes, which demand high thermal performance and air tightness.

Factory-built Quality

Speedwall is a factory-assembled modular exterior wall system that delivers performance far beyond what’s possible on-site. Built on an aluminum chassis based on Flynn’s unitized curtain wall system, every module is self-framed, sealed, and insulated in Flynn’s manufacturing facility, with windows, doors, and exterior cladding pre-installed.

Fewer interfaces, better air tightness. Larger modules mean fewer joints between elements. Combined with factory QA/QC, that translates directly into superior air tightness.

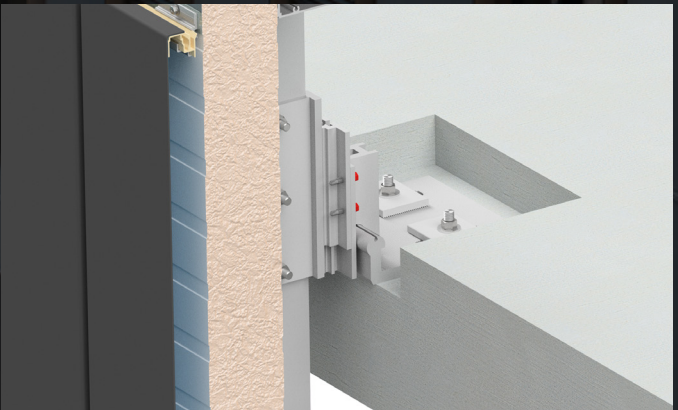
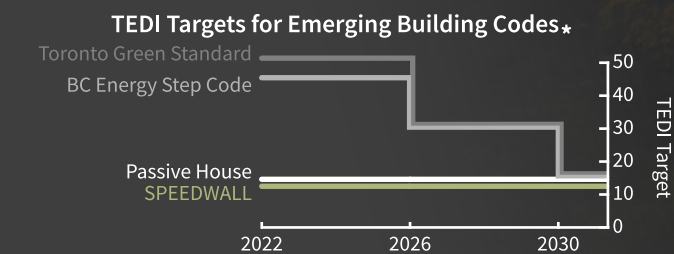


Built for Future Codes

Traditional site-built systems evaluate components in isolation. Emerging codes require comprehensive thermal bridging calculations; the sheer number of interfaces in conventional construction, often installed by multiple trades, makes that hard to calculate and control.

Speedwall’s large, interlocking, factory-sealed modules are purpose-built to meet these rigorous standards, supporting net-zero energy performance and lower operating costs.

Speedwall already performs within Passive House-level targets, years ahead of where code is heading.



The Future is Fast

Speedwall modules install at a rate of 8-12 modules per day - roughly 3,000 sq ft of completed envelope daily.

Ideally, prefabricated modules span floor-to-floor and column-to-column, locking together into a complete weather resistant facade.

Speedwall also integrates seamlessly with Flynn’s Unitized Curtain Wall where full-height glass is desired.

THE NEXT GENERATION OF BUILDING ENVELOPE PERFORMANCE

Speedwall makes the achievement of incoming TEDI energy efficiency requirements possible. Supports compliance with:

- LEED v4.0
- Net Zero Targets TEDI/TEUI
- Passive House Principles
- BC Energy Step Code
- National Building Code of Canada
- Toronto Green Standards (TGS)
- Vancouver Green Building Policy
- City of Vancouver Zero Energy Buildings (ZEB)
- National Energy Code of Canada for Buildings 2015 (NRCC 56191)
- Quebec Construction Code, Chapter I – Building, and National Building Code of Canada 2015 (amended)
- Montreal's roadmap to zero emission buildings 2040

Proven technology meets next-generation building envelope engineering.

- Aluminum chassis based on curtain wall technology
- High performance insulation, thermal bridge free, with effective R-values up to R-48 for opaque sections
- External rainscreen façade, material to suit required architectural aesthetic, limitless possibilities
- High performance glazing systems
- Durable sealed construction to meet the demands of full building air tight commissioning
- Suitable for mass timber construction

LIMITLESS COLOURS AND FINISHES CAN BE CHOSEN TO MEET DESIGN INTENT

Rigorous testing shows that Speedwall meets and exceeds current and upcoming building code requirements.

- ASTM E283 Air Infiltration 0.04 L/s.m² @ 600Pa (10% of allowable)
- ASTM E331 Static Water Test: No water infiltration at 720Pa
- AAMA 501.1 Dynamic Water Test: No water penetration at 720Pa
- ASTM E330 Structural Test: Passed
- AAMA 501.4 Seismic Test: Passed
- CAN/ULC S134 Fire Test: Passed
- ASTM E90 Acoustical Testing:
 - Can achieve STC ratings of 55
 - Can achieve OITC ratings of 41



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Patent No. US 11,203,876 B2