

FOR PUBLIC & AFFORDABLE HOUSING

Deliver More Housing, with Greater Certainty.

Housing demand is rising while labour tightens and performance and procurement expectations climb. PrimeFab helps public-sector teams deliver more units, faster, with greater certainty, quality, and Canadian-made accountability.



SPEED

Up to **50%** faster to enclosure

SCHEDULE

Weather-tight in days, not weeks

QUALITY

Factory-controlled, less waste

OCCUPANCY

Faster, more predictable handover

01 THE DELIVERY CHALLENGE

The hard part isn't design. It's delivery certainty.

Public-sector and affordable housing teams are being asked to deliver more units, faster, while meeting tighter performance, budget, and procurement requirements. Traditional site-built envelope construction adds uncertainty through weather exposure, trade sequencing, and labour availability, slowing the path from funded project to occupied units.

■ Weather exposure

Site-built envelopes stall with the seasons and the forecast.

■ Labour availability

Skilled-trade shortages compress schedules and inflate cost.

■ Trade sequencing

Fragmented trades create coordination and hand-off risk.

■ Rising performance bar

Airtightness and energy targets demand earlier decisions.

02 THE PRIMEFAB PLATFORM

One Canadian-made envelope platform, two fit-for-purpose systems.

PrimeFab is the advanced manufacturing division of Triumph Group of Companies, pairing precision automation with decades of building-envelope expertise to produce high-performance prefabricated assemblies for residential, mid-rise, and ICI construction.

38+

Years of Triumph building-envelope experience

100K ft²

Advanced manufacturing facility in Midland, ON

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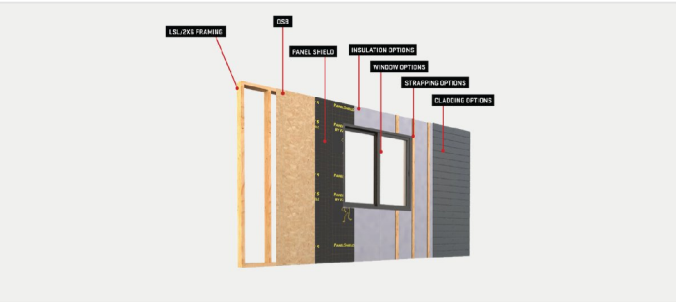
Sectors served · Residential · Mid-Rise · ICI



03 MATCHED TO THE PROJECT

Two systems, one platform, specified to fit the program.

PrimePanel and PrimeWall aren't competing options. They are purpose-built systems that cover the full range of publicly funded housing, from low-rise and rapid housing to institutional mid- and high-rise towers and performance retrofits.



Wood-based structural panel system

BEST SUITED FOR

- Affordable housing
- Multiplexes
- Townhomes
- Low-rise & six-storey
- Mass timber
- Military / DND
- Indigenous housing
- Community housing
- Rapid housing
- Remote / repeatable

A factory-assembled, LSL and sheathing structural panel system for scalable low- and mid-rise housing. PrimePanel reduces on-site framing labour, accelerates speed to weather-tight enclosure, improves jobsite cleanliness, and supports repeatable, program-based housing delivery.

- Up to R-32
EFFECTIVE R-VALUE
- Days not weeks
TO WEATHER-TIGHT
- LSL + Sheathing
ENGINEERED CORE



Non-combustible unitized wall system

BEST SUITED FOR

- CFHA projects
- DND / federal
- Institutional
- Mid- & high-rise
- Retrofit
- Passive House / TEDI
- Performance retrofits
- ICI & infrastructure

A non-combustible, patent-pending unitized wall system that integrates aluminum structure, insulation, thermal breaks, weather barrier, windows, glazing, and cladding into one prefabricated unit, engineered for larger, higher-performance public-sector buildings and retrofits.

- Up to R-46
EFFECTIVE R-VALUE
- ≈12 lb/ft²
LIGHTWEIGHT UNIT
- ASTM / CSA
LAB-VALIDATED

04 WHY PUBLIC-SECTOR TEAMS CHOOSE PRIMEFAB

Built for how the public sector delivers housing.

01 Canadian-Made Manufacturing Built in Midland, Ontario. A domestic supply chain that supports procurement priorities, local economic impact, and reduced supply-chain risk.	02 Reduced Labour Dependency Factory assembly shifts work off the jobsite, easing reliance on scarce skilled trades and protecting schedules.	03 Predictable Schedules & Budgets Controlled production reduces exposure to weather delays and trade sequencing, supporting on-time, on-budget delivery.
04 High-Performance Envelopes Engineered assemblies support airtightness, thermal control, Passive House pathways, and evolving energy targets.	05 Factory-Controlled Quality Repeatable, inspected assembly delivers consistent quality and less on-site waste across every unit.	06 Scalable for Repeat Programs Standardized systems support multi-site, phased, and programmatic housing delivery across portfolios.



05 BUILDING SCIENCE

Bring envelope performance decisions earlier.

Public-sector owners increasingly evaluate housing through airtightness, thermal performance, TEDI targets, embodied carbon, lower operating costs, and long-term asset performance. PrimeFab brings these decisions earlier into design, where high-performance envelopes and Passive House pathways can be coordinated, tested, and delivered with greater consistency.

- NECB
- TEDI
- Toronto Green Standard
- Airtightness
- Thermal bridging
- Embodied carbon
- Passive House

Standards referenced reflect broader Canadian building-science direction and are provided for context; specific project performance is confirmed through design and testing.

06 BUILT FOR THE MOMENT CANADA IS IN

An industrialized path to more housing.

Canada's housing challenge demands faster, more scalable ways to build. PrimeFab's factory-built wall systems and panelized components support that shift, improving consistency, reducing on-site labour, and helping teams move from traditional construction sequencing toward more industrialized delivery.

"To solve the housing crisis, we need to embrace the same industrialization mindset that transformed other sectors: factory-built wall systems and prefabricated components can deliver consistent quality, reduce timelines, and ease pressure on the labour force."

Mario Ribeiro, Founder & CEO, Triumph Group of Companies

WHERE PRIMEFAB FITS

- PRIMEPANEL Affordable, community & Indigenous housing
- PRIMEPANEL Townhomes, multiplexes & rapid housing
- PRIMEPANEL Military, remote & repeatable programs
- PRIMEWALL Institutional, DND & CFHA buildings
- PRIMEWALL Mid- & high-rise affordable housing
- PRIMEWALL Performance retrofits & net-zero
- PRIMEWALL ICI & public infrastructure

More homes.
Built faster.
Delivered with certainty.

PrimeFab helps housing providers turn funded projects into delivered homes, with greater certainty, performance, and Canadian-made accountability. Let's plan your next project.

PrimeFab

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