

# A Purpose-Built Facility

## STREAMLINED MANUFACTURING

We have designed our own proprietary purpose-built manufacturing equipment to produce the Building System TILT-UP and JUMBO Series Walls, as well as a Roof Systems and Steel Roof and Floor Joists.

### FACILITY SIZE

50,000 sf

### PRODUCTION CAPACITY

6000 sf

Daily

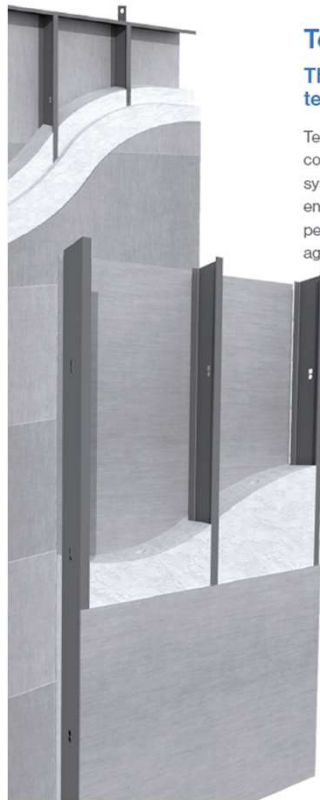
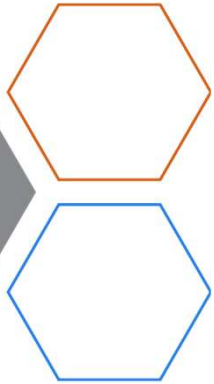
### QUALITY

3<sup>rd</sup> Party Audited Factory Processes



# The Future of Resilient Building Products

## BUILDING SYSTEM TILT-UP AND JUMBO PANELS



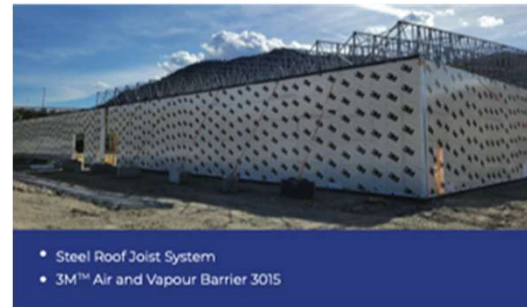
### TechPanelTW

The revolutionary TechPanel technology is going to new heights.

TechPanel Tall Walls are an elevated, fully comprehensive, prefabricated building system that creates a fully enclosed building envelope. The TechPanelTW system is the perfect solution for commercial, industrial and agricultural buildings.

#### Why Build with Tall Wall SIPs?

- Wall heights up to 48'
- 100'+ clear spans available
- Noncombustible free standing pre-engineered Tall Wall Solution
- Tight insulation fit around studs eliminates risk of condensation
- Highly efficient building envelope
- Wide variety of optional exterior finishes
- Wall R-Value Starting at R38
- Roof R-Values Starting at R45



- Walkable Membrane is Laminated to the Insulation



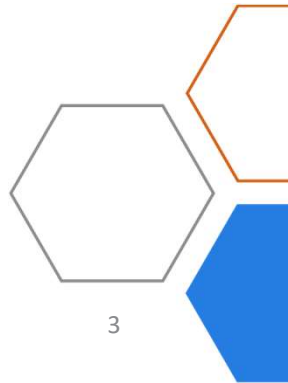
- Steel Roof Joist System
- 3M™ Air and Vapour Barrier 3015



- Freestanding Light Gauge Steel Walls with OpenWeb Steel Roof Joists.



- ClearSpan is Available  
Columns and Beams are Available



# The Future of Resilient Building Products

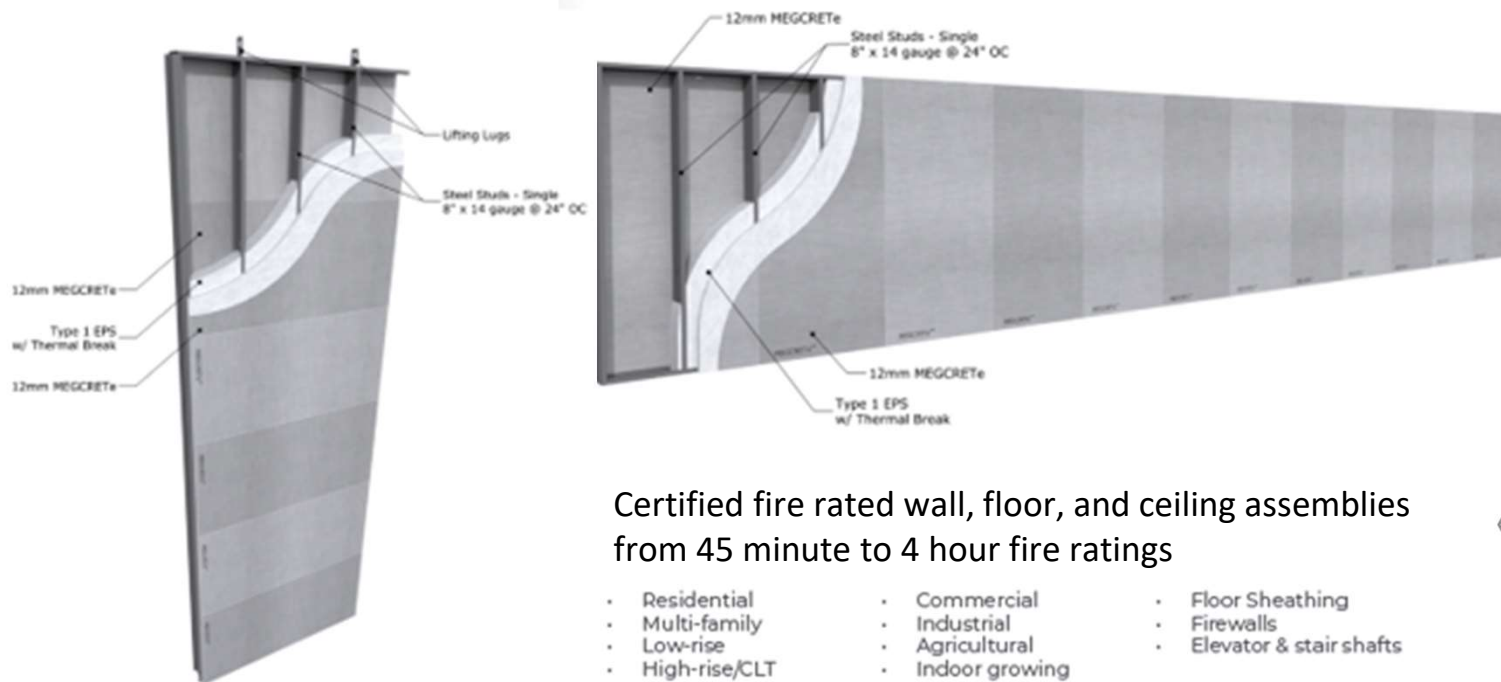
## BUILDING SYSTEM TILT-UP AND JUMBO PANELS



# The Future of Resilient Building Products

## BUILDING SYSTEMS TILT-UP AND JUMBO PANELS

TechPanelTW™ bring new levels of safety, quality, and efficiency to the North American Construction Market.



Certified fire rated wall, floor, and ceiling assemblies from 45 minute to 4 hour fire ratings

- Residential
- Multi-family
- Low-rise
- High-rise/CLT
- Commercial
- Industrial
- Agricultural
- Indoor growing
- Floor Sheathing
- Firewalls
- Elevator & stair shafts

## Our Features

### Energy Efficient

TechBoard and TechPanel require less energy to produce and keep your energy exactly where you need it, inside your building.

R-Values to match your needs.

Reduced HVAC requirements.

### Fire Rated

TechBoards are fire rated and produce zero flame spread and zero smoke.

Each 1/2" Board provides up to 30 mins of fire protection.

Our standard above grade TechPanels protect you for up to 2hrs.

### Non-Toxic

TechBoards contain zero chlorides, zero organics and zero toxic adhesives.

TechBoards are anti-microbial and do not harbor infectious pests.

TechBoards do not off-gas in the event of a fire.

### Ease & Speed

Techboards and TechPanels are easy to use and install incredibly fast.

Integrate any exterior finishing solution. Interiors can be finished just like drywall.



## Value Proposition

**Safer**



1-hour fire rating with zero flame spread

**Faster**



55% faster on-site build time

**Sustainable**



1/3 carbon footprint of concrete construction

**Stronger**



3x stronger than traditional stick frame construction

**Economical**



Up to 80% reduction in transportation costs

**Healthier**



No volatile organic compounds. Mold resistant



# Case Study: Avery Farms

Okanagan Falls, BC



- 150' x 300' - 45,000 SF Indoor Farming Facility**  
**Purpose built aeroponic leafy green growing facility**
- In House Structural Engineering and Shop Drawings
  - Finite Analysis completed on Steel Roof Joist Design
  - TILT-UP Series Free Standing Walls – R48
  - Design, Engineered, and Manufactured Steel Roof Joists
  - R50 Insulated Roof Panels
  - Interior Pre-fabricated Demising Walls and Ceiling Panels

# Case Study: Coutts Agro

Marengo, SK



**90' x 120' – Equipment Shed**  
**High Energy Efficient Equipment Storage and Maintenance Facility**

**Coutts Agro grows over 100,000 acres of Canola, Lentils, Wheat and other Grains Annually**

- In House Structural Engineering and Shop Drawings
- TILT-UP Series Free Standing Walls – R40
- Traditional Engineered Wooden Roof System w/ R50 Insulation