



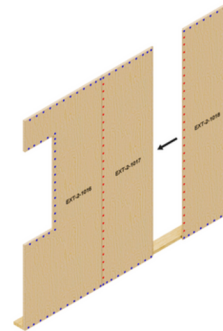
# MONOSHEAR

Advancing Construction Technology

MonoShear, is an advanced panelized framing system designed to transform single-family home construction. This innovative product promises to deliver unparalleled efficiency, performance, and affordability to the residential construction market.

## MonoShear Specs

- Typical panel size 4'x10'
- Exterior 1.25" thick load-bearing panel
- 2x4" minimum wall cavity framing
- Interior .75" thick non-structural panel with pre-cut utility ports
- Total outer wall dimension as low as 5.5"

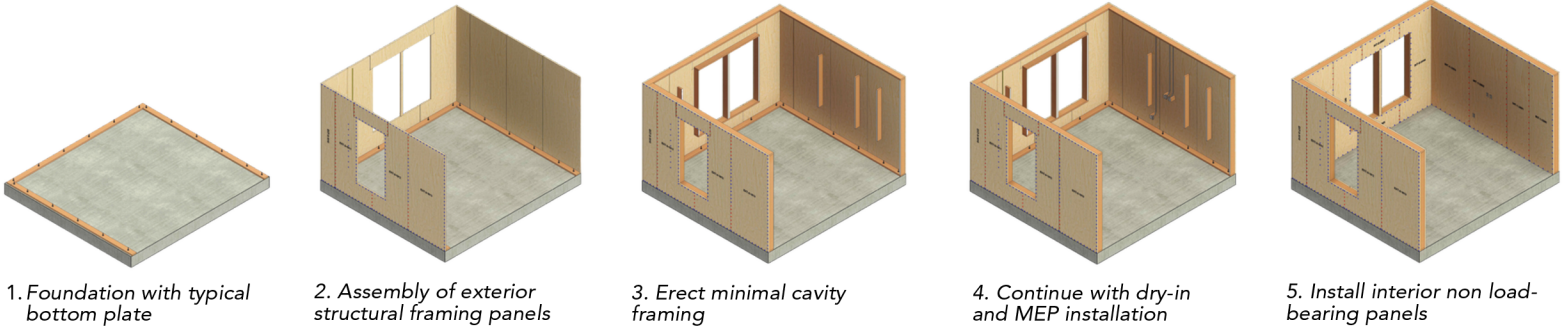


Panels slide together via a shiplap design



Quick dry-in of the structure's envelope and open cavity design simplifies MEP installations

## Order of Installation



1. Foundation with typical bottom plate

2. Assembly of exterior structural framing panels

3. Erect minimal cavity framing

4. Continue with dry-in and MEP installation

5. Install interior non load-bearing panels

## Key Features

### Efficient Construction

- Accelerates construction timelines
- Rapid assembly of exterior framing panels
- Quick dry-in of the structure's envelope

### Simplified MEP and Finishing

- Fully accessible cavity design simplifies MEP installations
- Pre-cut utility ports streamline the installation process
- Compatible with prefabricated electrical wire harness systems

### Structural Integrity and Performance

- Provides twice the load bearing capacity of traditional framing
- Fewer studs for better thermal and sound insulation
- Greater interior wall stiffness than traditional framing

### Cost-Effectiveness

- Ideal for entry-level homes requiring quality and durability
- Faster construction can lower overall project costs
- Improved thermal performance may reduce HVAC size

### Financial Incentives

- May qualify for builders' credits and tax incentives
- Shortlisted for 45L (Energy Star) tax credits
- Supports zero net energy goals and related tax rebates

### Energy Efficiency

- Achieves higher R-values compared to traditional framing
- Contributes to reduced operational energy costs
- Meets 2021 IECC energy codes

### Design and Planning Benefits

- Supports BIM (Building Information Modeling) integration
- Identifies architectural, structural, and MEP clashes
- Accelerates sales cycle due to faster framing process

### Ease of Installation

- No specialized equipment or highly skilled labor required
- Pre-cut openings and installation patterns speed assembly
- Integrated MEPI (Mechanical, Electrical, Plumbing, & Insulation) map