

CLTower Shaft Walls

Saving Time and Money

Sterling Structural is excited to introduce our CLT Shaft Wall Kit-of-Parts, a prefabricated solution designed to streamline shaft wall construction.

Challenges with Traditional Masonry Shaft Walls

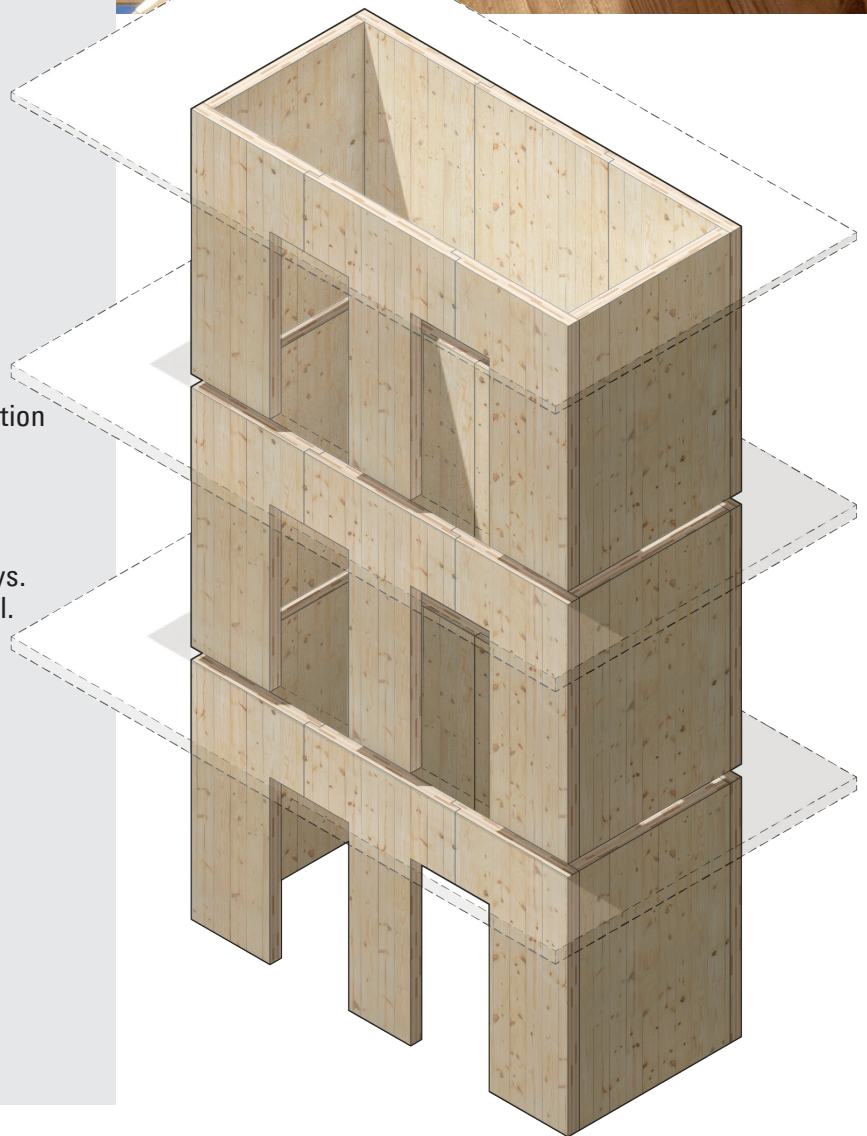
1. Schedule Delays:
 - Weather-dependent construction slows progress in extreme climates.
 - Multiple special inspections and testing.
 - Weeks long critical path construction.
2. Higher Costs:
 - Labor intensive with large crews.
 - Multiple Trades.
3. Precision Issues:
 - Larger industry construction tolerances.
 - Post-installed anchorage connections.

Why Choose Sterling for CLT Shaft Walls?

CLT Shaft Walls meet and exceed fire rating requirements for 1-hr and 2-hr shafts. In addition to this:

1. Accelerate Your Schedule:
 - Installed in hours, not weeks.
 - CLT works in any climate— no weather delays.
 - Simple visual inspection speeds up approval.
2. Reduce Costs:
 - Single-trade, fast installation.
 - Factory precision minimizes rework.
3. Coordination made Easy:
 - Prefabrication for seamless integration.
 - Continuous anchoring surfaces for flexible attachment points.

LET'S BUILD BETTER TOGETHER!



MASS TIMBER FOR THE MASSES



Proudly grown, sourced & manufactured in the USA

Beyond the Basics: The Sterling Advantage

DESIGN + ENGINEERING PROCESS

We have developed standard details that are available to download and incorporate with your Engineer of Record permit set. Need Delegated Engineering? We are happy to help!

Supporting documents such as our ICC report are provided to assist Authorities Having Jurisdiction (AHJ) with the approval process. A 5-ply CLT assembly achieves a 2-hr fire rating, and maintains the rating continuity from the foundation to the roof.

Looking to use CLT for your stair shafts? With acceptable Class B Flame Spread and Declare Label, exposed CLT adds points towards WELL Certification, promoting healthier buildings.

To meet high seismic detailing requirements for a more ductile system, platform framing and panel aspect ratios are required. Sterling's standard panel dimensions are already aligned with these dimensions, ensuring no impact on our manufacturing process—helping you stay on budget.

DELIVERY + CONSTRUCTION PROCESS

Each kit includes prefabricated wall panels and all necessary hardware, simplifying procurement and reducing job site coordination. Our logistics team coordinates precise deliveries, sequencing panels for easy installation, whether your project uses platform or balloon framing.

With elevator manufacturers frequently adjusting anchor locations for their equipment, CLT's continuous wood surface allows for flexible and easy attachment—eliminating the need for additional blocking or coordination challenges.

LET'S TALK TIMBER

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