

The Structural Decision That Should Happen Earlier

THE PROBLEM

Timber towers are almost always introduced too late. By the time construction documents are underway.

- Buildings are already designed around masonry cores
- Structural systems are locked in
- Schedule constraints are baked into the project

Result: Even when Timber Towers make sense... it's too late to switch.

THE SHIFT

Introduce Timber Towers during DESIGN – not after.

When evaluated early (SD / DD phase):

- Structural systems align around framing + timber towers
- Schedule advantages are designed in—not forced later
- Cost is evaluated as a system impact—not line-item comparison

WHY EARLY DESIGN INTEGRATION MATTERS

Schedule Advantage (Biggest Driver).

- Installed in hours vs. weeks
- Eliminates masonry as a critical path constraint
- Installed with the framing package



COST REALITY



Common mistake: Comparing timber tower cost vs. masonry tower cost



Correct approach: Evaluate total project cost + schedule impact

- Reduced general conditions
- Earlier dry-in
- Faster occupancy
- Fewer delays

CORE BENEFITS

- ✓ ***Faster build: hours vs weeks***
- ✓ ***Less labor: installed with framing crews***
- ✓ ***Fewer inspections: CNC precision***
- ✓ ***Built-in safety: early egress and access***
- ✓ ***Fire-rated + code compliant***
- ✓ ***Sustainable alternative to masonry***

“If Timber Towers are part of the framing package, the building can be framed before masonry would finish.” -Elmer Zook

Stairwell & Elevator Tower Schedule Comparison

Hours	STAIRWELL & ELEVATOR	3-4 Weeks
One	TRADES	Multiple
One	INSPECTIONS	Multiple
Panelized Design	COMPONENTS	Thousands
Minimal	POTENTIAL WEATHER IMPACT	Significant

WHERE QB ADDS VALUE

*This is not just a product decision.
It's a timing and coordination decision.*

QB helps teams:

- Evaluate towers during design development
- Align structure, schedule, and sequencing
- Compare true cost vs perceived cost
- Integrate towers into the full building system



CONSTRUCTABILITY ADVANTAGE

CONSIDERING AN ELEVATOR OR STAIR CORE OPTION?

- *Pre-engineered + prefabricated system*
- *Eliminates field variability*
- *Integrated into Design | Supply | Install*

QB CONSTRUCTABILITY REVIEW

THAT'S OK, I'LL TAKE THE STAIRS!

IDEAL TIME TO
ENGAGE QB

CONCEPT

SD

DD

CD

