BIM and Large Scale multi family wood framed structures – when is it a fit?







Our background

We have completed over 22,000 units of 5 story Type III construction, establishing our company as one of the most experienced Type III framers in CA.

We have also completed a multitude of 2 to 4 story type V projects including tight inner city infill projects that require intense coordination with the builder and suppliers.

Starting in 2006 over 20,000 MF units have been BIM coordinated and then built off-site.







Our design and BIM process evolution

Developed the software

Built out the facility

Built up the processes



Is my wood frame project a fit for a BIM

Project size – MIN 150+ units

Type of project – 4 story + projects - Slab on grade or Podium

Is my customer suited to BIM?



What is BIM and tools being utilized?

Building information modeling











When should I bring in the key trades ?

- Drawings need to be at minimum 90% DD.
- Get the framing contractor on board 4 months before podium or S.O.G survey begins.
- Podium interface.
- Superstructure interface.
- > Why wait?



Key members of the BIM team

Consultants:

- Owners representative
- Architect
- Engineer

Subcontractors:

- Wood Framing
- > HVAC
- Plumbing
- Electrical

Notes:

- Designer and Field Foreman should be present for final proof
- Team members should have the ability and authority to make decision



What are the plus and minus of going BIM

Costs are both a plus and potential minus.

Time invested.

> The savings if the process is followed properly.



Key Benefits

Vetting majority of the issues prior to construction.

Team interacts in advance during cooperation process.

Coordinated model is utilized in the field directly.

Coordination process potentially saves time on critical path and schedule.

Cost savings related to future CO reduction.



































































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