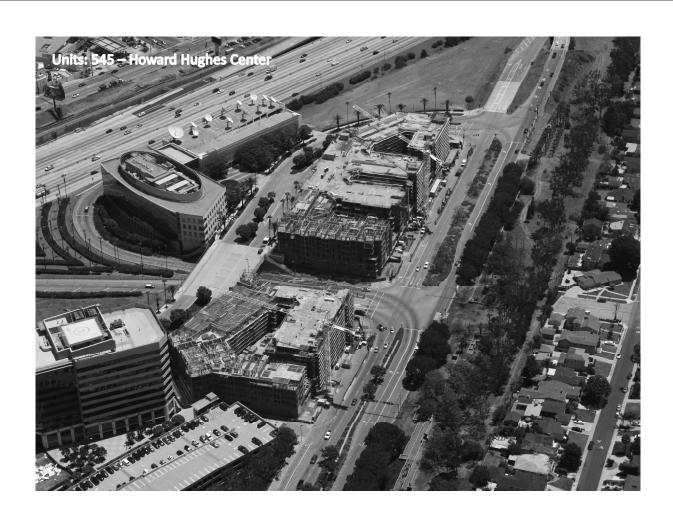
BIM and Large Scale multi family wood framed structures – when is it a fit?



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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.

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Our design and BIM process evolution

- Developed the software
- Built out the facility
- ➤ Built up the processes

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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
- > Revit
- Autocad
- Others
- Navisworks

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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

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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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