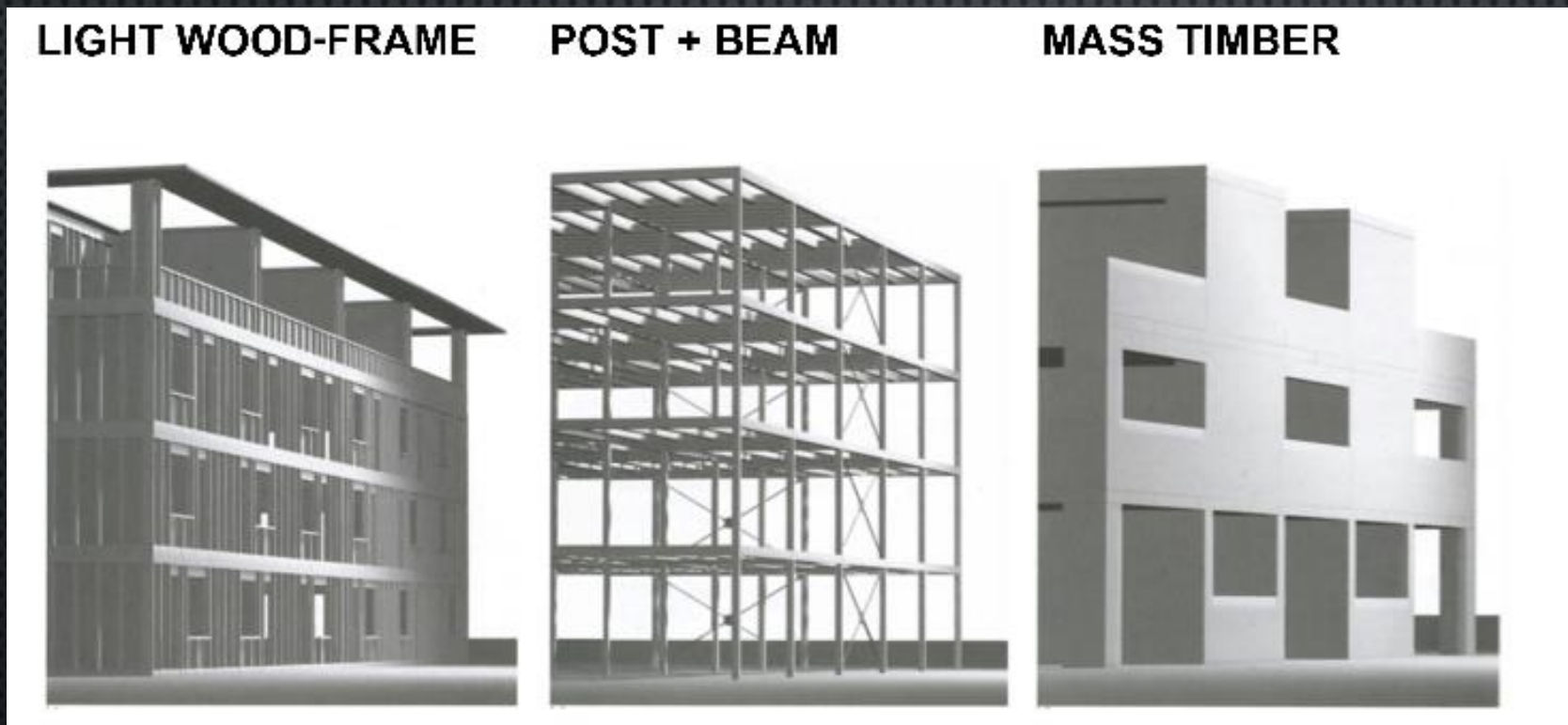


Kinsol

Mass Timber – A Brief Overview from a Builder's Perspective

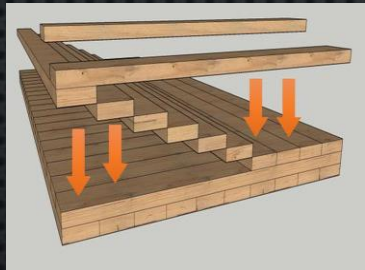
What is Mass Timber?

Mass Timber is a category of framing types, like Light Wood Framing or Post and Beam. Mass Timber is characterized by the use of large solid wood panels, and are used principally in walls, floors, and roofs.



Examples of Mass Timber Products

- CLT – Cross Laminated Timber
- NLT – Nail Laminated Timber
- DLT – Dowel Laminated Timber
- GLT – Glue Laminated Timber
- MPP – Mass Plywood Panel
- LVL – Laminated Veneer Lumber
- LSL – Laminated Strand Lumber



**More than 90% of global Mass Timber production is CLT, according to Market Study Report, April 2019.*

Who makes CLT?

Canada

1. Structurlam
2. Kalesnikoff (mid 2020)
3. Nordic
4. Element 5

United States

1. Katerra
2. DR Johnson
3. Vaagen Brothers
4. Smartlam

Europe

1. Binderholz
2. Hasslacher
3. KLH
4. Mayr-Melnhof
5. Stora Enso
6. Derix
7. Schilliger Holz
8. Eugen Decker



**Also being manufactured in Japan, Australia, New Zealand, and South Africa*

Some Areas of Risk for Contractors

- Sourcing your Mass Timber (North America vs. Europe)
- Commodity pricing, foreign exchange, trade wars
- Early engagement of Mass Timber supplier and erector
- Intensive and early 3D scope coordination (MEP)
- Completed designs
- Cash flow implications of pre-payment for product
- Just In Time streaming of materials
- Moisture management
- Keeping concrete ahead of the timber erectors
- Convincing follow-on trades that the schedule is real

