

#### Quesnel & Area Future of Forestry Think Tank (QFFTT) #4 – 2025 Accelerating Progress

#### Opportunities in Mass Timber

Maik Gehloff

#### Heavy Timber

- Timber Framing (mostly solid-sawn large x-sections)
- Glulam (Glued-Laminated Timber)Post & Beam

- Cross-Laminated Timber (CLT)
- Glued-Laminated Timber (GLT)
- Nail-Laminated Timber (NLT)
- Dowel-Laminated Timber (DLT)
- Laminated Veneer Lumber (LVL) and other largedimensioned Structural Composite Lumber (SCL) products are part of a bigger classification known as 'mass timber' → CWC



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- Cross-Laminated Timber (CLT)
  Glued-Laminated Timber (GLT)
- Nail-Laminated Timber (NLT) mechanically-
- Dowel-Laminated Timber (DLT) laminated
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glued-laminated





- Nail-Laminated Timber (NLT)
- Dowel-Laminated Timber (DLT)





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- Glued-Laminated Timber (GLT)

glued-laminated





- Nail-Laminated Timber (NET)
- Dowel-Laminated Timber (DLT)

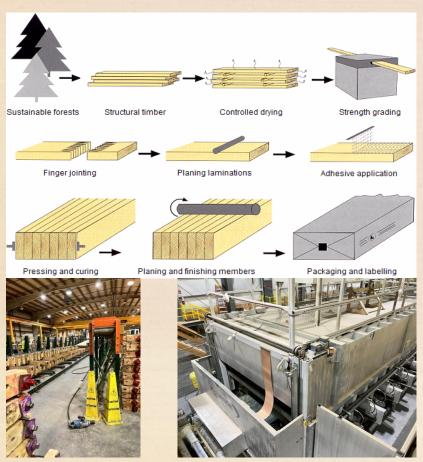
mechanically-

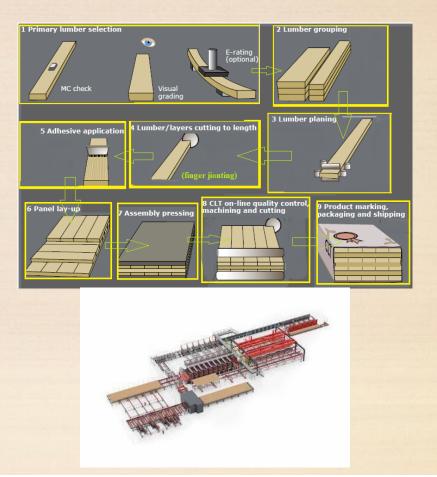
laminated





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- Glued-Laminated Timber (GLT)





- Cross-Laminated Timber (CLT)
- Glued-Laminated Timber (GLT)





Cross-Laminated Timber (CLT)











Cross-Laminated Timber (CLT)





Cross-Laminated Timber (CLT)

glued-laminated

Glued-Laminated Timber (GLT



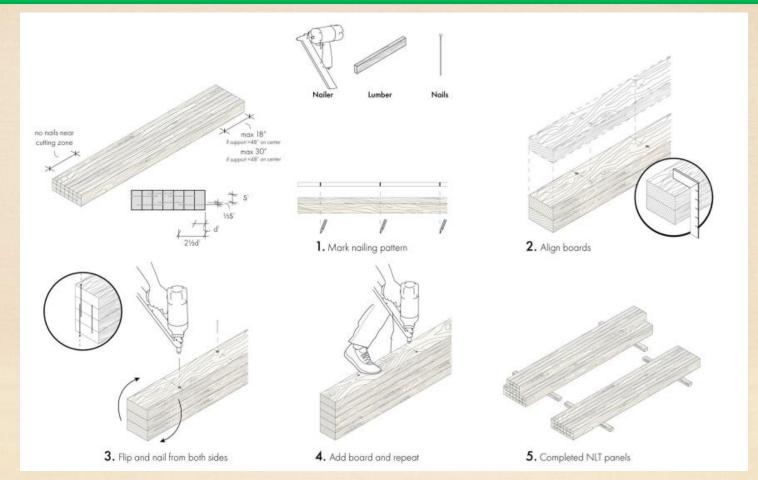


- Nail-Laminated Timber (NLT)
- Dowel-Laminated Timber (DLT)



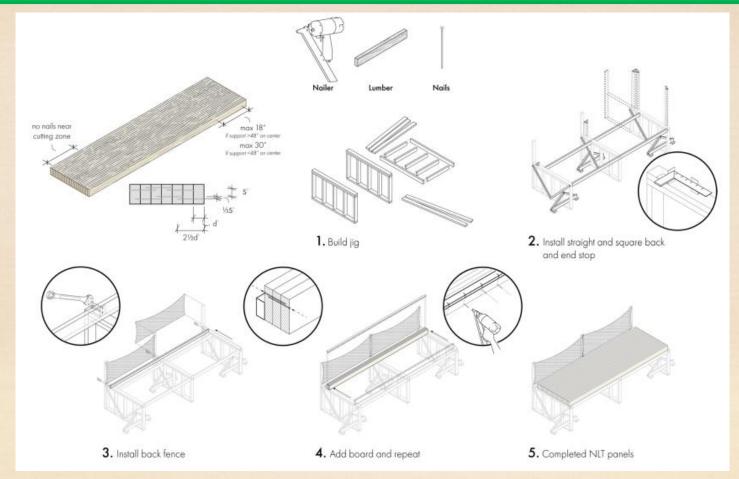


- Nail-Laminated Timber (NLT)
- Dowel-Laminated Timber (DLT)





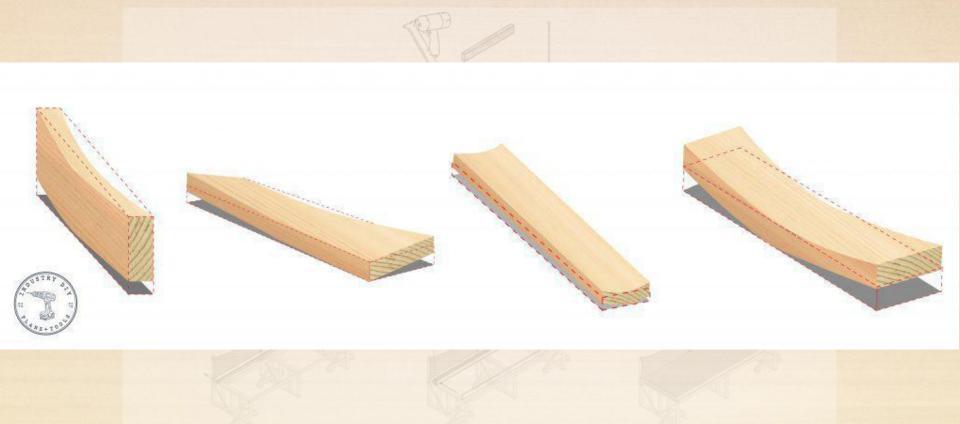
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mechanicallylaminated



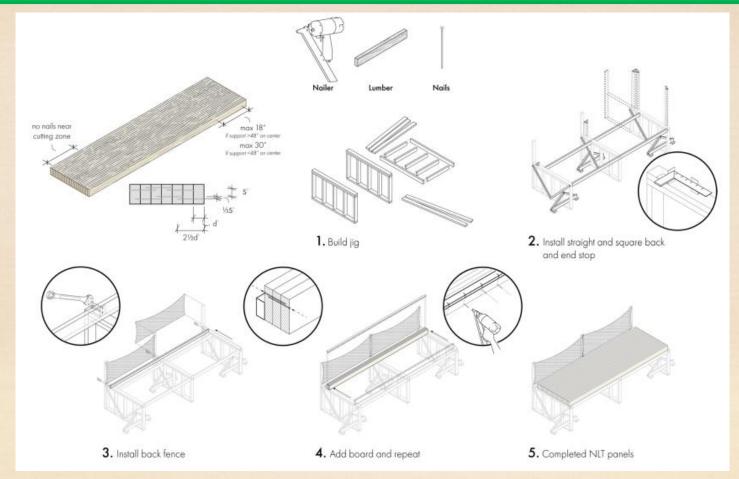


3. Install back fence

4. Add board and repeat

5. Completed NLT panels

- Nail-Laminated Timber (NLT)
- Dowel-Laminated Timber (DLT)





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- Dowel-Laminated Timber (DLT)





- Nail-Laminated Timber (NLT)
- Dowel-Laminated Timber (DLT)



- Nail-Laminated Timber (NLT)
- mechanicallylaminated
- Dowel-Laminated Timber (DLT)

#### CSA 0125:23

Mechanically laminated timber

Production and qualification specifications

This is the first edition of CSA O125, Mechanically laminated timber — Production and qualification specifications.

This Standard is intended to provide initial qualification and ongoing production quality control requirements to ensure that mechanically laminated timber products, as defined in this Standard, possess the structural design properties specified in CSA O86; and the physical characteristics that will lead to satisfactory performance in service.



4. Add board and repeat

Completed NLT panels



Cross-Laminated Timber (CLT)

glued-laminated

Glued-Laminated Timber (GLT





- Nail-Laminated Timber (NLT)
- mechanically-Dowel-Laminated Timber (DLT) laminated





# Thank you

