

WOOD INNOVATION DESIGN CENTRE

Prince George, British Columbia, Canada

Michael Green Architecture

"WOOD INNOVATION AND DESIGN
CENTRE." MICHAEL GREEN
ARCHITECTURE. N.p., n.d. Web



MGA

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THE ARCHITECT

Michael Green Architecture

- based out of Vancouver, CA
- one of the leading architecture firms in using manufactured timber and CLT as structural materials
- pushing the boundaries of wooden structures
- designed the tallest timber building in the world when it was completed (Wood Design Innovation Centre)
- designed the tallest timber building in the United States to date (T3, Minneapolis MN)
- have done concept projects such as the Empire State of Wood where they tested the feasibility of the Empire State Building using wood as its structural material

Green, Michael. "Why We Should
Build Wooden Skyscrapers." Michael
Green: Why We Should Build Wooden
Skyscrapers | TED Talk | TED.com. N.p.,
n.d. Web

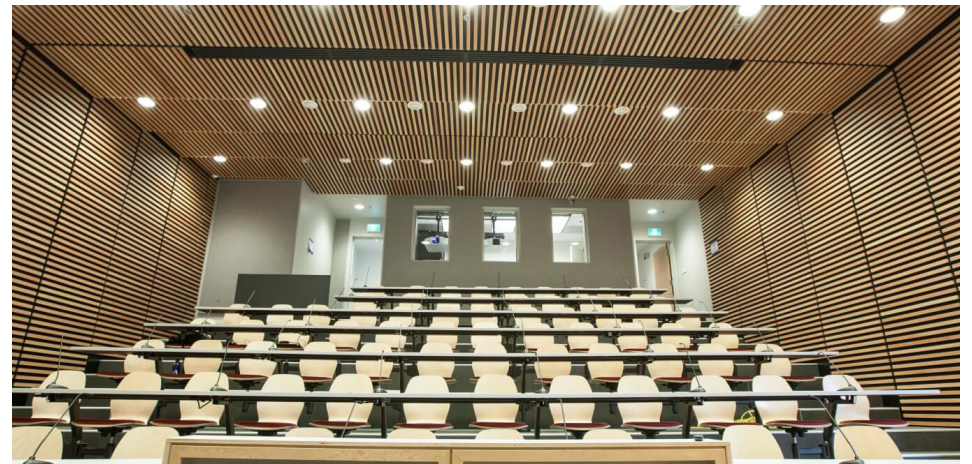


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THE BUILDING

Wood Innovation and Design Centre

- located in Prince George, British Columbia
- the main tenant is the University of Northern British Columbia (UNBC), occupying three of the six floors
- with this new building, UNBC is now offering two new masters programs relating to engineering in integrated wood design
- was the tallest modern timber building in the world when completed
- represents British Columbia's growing expertise in large scale timber construction



Alter, Lloyd. "Michael Green Is Building
North America's Tallest Wood Building in
Prince George, BC." TreeHugger. N.p., 29
Apr. 2013. Web

THE STRUCTURE

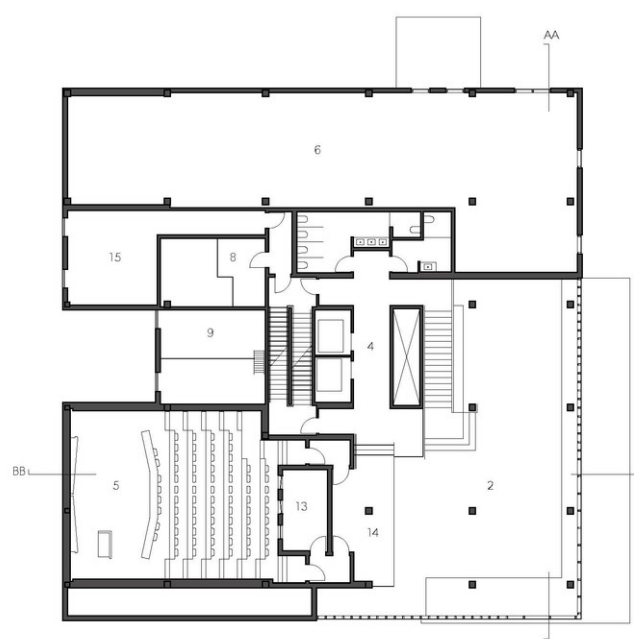
Columns and Beams

- the structure is made up of glu-lam columns and beams and CLT panels
- the beams hold up the CLT floor plates to create a one directional structural system
- the spanning panels of CLT are overlapped to create solid portions that act like beams
- the cavity created by the lapping is used for hiding mechanical systems and lights
- CLT is also used for the elevator shaft walls and structural bracing system



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"Wood Innovation Design Centre /
Michael Green Architecture." ArchDaily.
N.p., 19 May 2015. Web

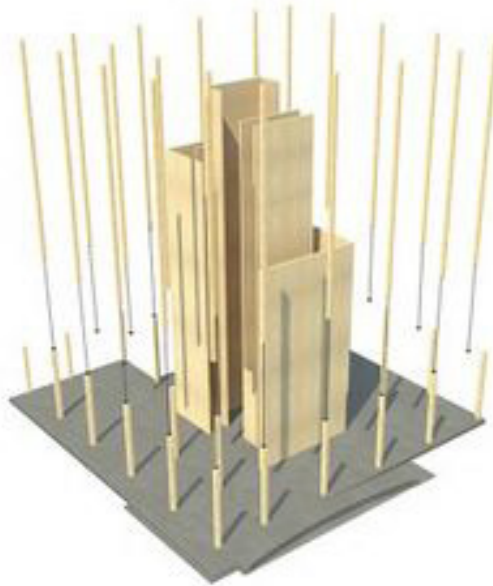


MEZZANINE FLOOR PLAN
1:200

- | | |
|-------------------------------|-----------------------|
| 2 DEMONSTRATION AREA
BELOW | 9 MECHANICAL PLATFORM |
| 4 ELEVATOR LOBBY | 13 PROJECTION ROOM |
| 5 LECTURE THEATRE | 14 MEZZANINE |
| 6 RESEARCH LAB BELOW | 15 STORAGE ROOM |
| 8 ELECTRICAL PLATFORM | |

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THE STATISTICS

- 97 FT tall, 6 floors over 8 stories (two story mezzanine)
- 15,810 FT² of floor space
- 2016 Governor General's Award in Architecture
- 2015 RAIC Award of Excellence for Innovation in Architecture
- 2015 Lieutenant-Governor of BC Award in Architecture (Merit)
- 2015 AIBC Innovation Award



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THE REFERENCES

- Alter, Lloyd. "Michael Green Is Building North America's Tallest Wood Building in Prince George, BC." TreeHugger. N.p., 29 Apr. 2013. Web
- Green, Michael. "Why We Should Build Wooden Skyscrapers." Michael Green: Why We Should Build Wooden Skyscrapers | TED Talk | TED.com. N.p., n.d. Web
- "WOOD INNOVATION AND DESIGN CENTRE." MICHAEL GREEN ARCHITECTURE. N.p., n.d. Web
- "Wood Innovation and Design Centre." Naturally:wood | BC Wood, Forestry & Green Building | Sustainability. N.p., n.d. Web
- "Wood Innovation Design Centre / Michael Green Architecture." ArchDaily. N.p., 19 May 2015. Web