

Mass Timber Portfolio

M.Thrailkill.Architect has provided architectural and structural specifications for nearly 40 mass timber projects since 2015. These projects include a broad variety of types, from community and higher education, to transportation and municipal, to residential and office buildings, and a range of structural systems, from pure mass timber to different hybrid mass timber structural systems. We've produced baseline mass timber specifications for manufacturers and contractors as well.

1. Kirkland Urban East | *Lever Architecture*
Mass timber of cross-laminated timber (CLT) floor and roof decks, glue-laminated frame and concrete shear walls
Mid-rise, class A office building (Kirkland, Washington) - *In design*
2. Monmouth City Hall | *FFA Architecture and Interiors*
Mass timber of cross-laminated timber (CLT) floor and roof decks, glue-laminated frame and CLT shear walls
Low-rise municipal headquarters building and courts facility (Monmouth, Oregon) - *In design*
3. 2525 Hyperion | *Lever Architecture*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated wood timber frame and core
Low-rise class A office building addition and renovation (Los Angeles, California)
4. Forest Grove City Hall | *FFA Architecture and Interiors*
Mass timber of cross-laminated timber (CLT) floor and roof decks, steel frame and concrete shear walls
Expansion of low-rise municipal headquarters building (Forest Grove, Oregon) - *In design*
5. Sunrise Water Authority Headquarters | *FFA Architecture and Interiors*
Mass timber of cross-laminated timber (CLT) floor and roof decks, steel frame and concrete shear walls
Low-rise public utility headquarters building and maintenance garage (Happy Valley, Oregon) - *In bidding*
6. Josephine Building | *Ink:Built Architecture*
Mass timber hybrid of mass plywood decks, glue-laminated wood frame and concrete core
Mid-rise commercial, residential and office building (Portland, Oregon) - *In design*
7. Dekum Court | *Lever Architecture*
Mass timber hybrid of cross-laminated timber (CLT) decks, glue-laminated wood frame with steel braced frames
Low-rise community building (Portland, Oregon) - *In bidding*
8. Perry Smiley Building | *Lever Architecture*
Mass timber hybrid of cross-laminated timber (CLT) decks, composite steel/ concrete beams, steel braced frames
Mid-rise commercial and office building (Culver City, California) - *In design*
9. Park Blocks Pavilion and Plaza | *FFA Architecture and Interiors*
Mass timber of cross-laminated timber (CLT) roof deck, walls and shear walls and glue-laminated wood frame
Low-rise farmers' market building and public plaza (Eugene, Oregon) - *In construction*
10. Baseline Specifications | *Swinerton Mass Timber*
Development of baseline mass timber specifications for cross-laminated timber (CLT), glue-laminated wood, mass plywood panels (MPP) and connection hardware for contractor's use on multiple projects
11. CT7 Spring Street | *Lever Architecture*
Mass timber hybrid of cross-laminated timber (CLT) decks, glue-laminated wood frame with steel and CMU cores
Mid-rise class A office building expansion of existing warehouse (Los Angeles, California) - *In construction*

12. University of Portland Shiley-Marcos Center for Design and Innovation | *Opsis Architecture*
Mass timber hybrid of cross-laminated timber (CLT) decks and steel frame
Higher education teaching and laboratories, low-rise (Portland, Oregon) - *In bidding*
13. King County Jameson Building Replacement | *MWA Architecture*
Mass timber of cross-laminated timber (CLT) floor and roof decks, steel frame and concrete shear walls
Low-rise public utility headquarters building and maintenance garage (Seattle, Washington) - *Not constructed*
14. Division 28 Homes | *Hacker Architects*
Mass timber hybrid of cross-laminated timber (CLT) decks and cast-in-place concrete frame and core
Mid-rise class A office building (Portland, Oregon) - *In construction*
15. Baseline Specifications | *Freres Brothers*
Development of baseline mass timber specifications for manufacturer's own mass plywood panels (MPP)
16. Halley Rise | *Hacker Architects*
Mass timber hybrid of cross-laminated timber (CLT) decks, glue-laminated timber frame and concrete core
Mid-rise class A office building (Reston, Virginia) - *In design*
17. Charles M. Schulz, Sonoma County Airport | *Mead & Hunt*
Mass timber hybrid of cross-laminated timber (CLT) decks, glue-laminated and steel frame and core
Airport terminal expansion and additions, low-rise (Santa Rosa, California)
18. Phase 4, 3rd Avenue | *Hacker Architects*
Mass timber hybrid of mass plywood decks, mass plywood frame and concrete core
Mid-rise class A office building (Portland, Oregon) - *Not constructed*
19. Meyer Memorial Trust Headquarters | *Lever Architecture*
Mass timber of mass plywood panel (MPP) decks, frame members and core members
Low-rise class office building (Portland, Oregon)
20. Pier 70 Parcel A | *Hacker Architects*
Mass timber hybrid of cross-laminated timber (CLT) decks, glue-laminated wood frame with steel braced frames
Mid-rise class A office building (San Francisco, California) - *Not constructed*
21. Hillsboro Community Center | *Opsis Architecture*
Mass timber hybrid of cross-laminated timber (CLT) decks, glue-laminated and steel frame and core
Community recreation center, low-rise (Hillsboro, Oregon)
22. Oregon Episcopal School Gymnasium Expansion | *Lever Architecture*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated timber frame and core
Campus sports and recreation building expansion, low-rise (Portland, Oregon)
23. Nomad Apartments | *Works Progress Architecture*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated timber and wood frame and core
Mid-rise mixed-use, multi-family housing (Portland, Oregon)
24. Adidas East Village South Building | *Lever Architecture*
Mass timber hybrid of cross-laminated timber (CLT) decks, glue-laminated timber and steel frame and core
Corporate headquarters class A office building, mid-rise (Portland, Oregon)
25. Adidas East Village North Building | *Lever Architecture*
Mass timber hybrid of mass plywood decks, precast concrete frame and concrete core
Corporate headquarters class A office building, high-rise (Portland, Oregon)

26. Ledding Library | *Hacker Architects*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated timber and wood frame and core
Community library, low-rise (Milwaukie, Oregon)
27. Canyons Apartments | *Path Architecture*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated timber and wood frame and core
Mid-rise mixed-use, multi-family housing (Portland, Oregon)
28. Adidas Intersection | *Hacker Architects*
Mass timber hybrid of cross-laminated timber (CLT) decks, glue-laminated timber frame and concrete core
Mid-rise class A office building lobby addition (Portland, Oregon)
29. Oregon Conservation Center/ The Nature Conservancy | *Lever Architecture*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated timber frame and core
Low-rise class A office building addition and renovation (Portland, Oregon)
30. Forest Park Entrance and Nature Center | *Dangermond Keane Architecture*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated timber and wood frame and core
Low-rise community and parks facility (Portland, Oregon) - *Not constructed*
31. Silica | *William Kaven Architecture*
Mass timber hybrid of cross-laminated timber (CLT) decks, glue-laminated timber frame and concrete core
Mid-rise class A office building (Portland, Oregon)
32. First Tech Credit Union Oregon Headquarters | *Hacker Architects*
Mass timber hybrid of cross-laminated timber (CLT) decks, glue-laminated timber and steel frame and core
Mid-rise class A office building (Hillsboro, Oregon)
33. Outpost | *Skylab Architecture*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated timber frame and core
Mixed-use commercial, low-rise (Hood River, Oregon)
34. Oregon State University, Advanced Wood Products Laboratory | *Michael Green Architects*
Mass timber of mass plywood panel (MPP) decks and glue-laminated timber and steel frame
Higher education teaching and laboratories, low-rise (Corvallis, Oregon)
35. Oregon State University, College of Forestry | *Michael Green Architects*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated timber frame and core
Higher education teaching and laboratories, low-rise (Corvallis, Oregon)
36. Flex | *Lever Architecture*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated timber and steel frame
Low-rise maker space/ commercial building (Portland, Oregon)
37. Framework | *Lever Architecture*
Mass timber of cross-laminated timber (CLT) decks and glue-laminated timber frame and core
High rise mixed-use office building / residential (Portland, Oregon) - *Not constructed*

Projects are listed in reverse chronological order, with most recent project first; some projects are in design and documentation stages currently, others are completed (or were not constructed as noted)