Interlock

Several different mass timber strategies are used to construct a planar residential tower and a trabeated community building. CLT panels are used in a structural “egg-crate” matrix that accentuates the modularity of the residences. Glulam columns and beams provide open and airy spaces for the community building, while DLT walls and roof panels provide embedded acoustic baffling, lighting, and a tactile, interactive surface for classroom walls.

Construction Methodology

Staggered DLT (Roof of community building and base of residential tower)
No glue used, no VOC off-gassing, embedded acoustic baffling, net negative carbon footprint

Glulam (Structural system of community building and base of residential tower)
Perforated columns and beams allow quick construction and minimize transportation costs, while minimizing negative carbon footprint

Dark Stain Cedar Rain Screen
Naturally weather resistant, reduced need for harmful chemicals

Charred Pine Siding
Naturally weather resistant, reduced need for harmful chemicals