

6003-MGC-XX-ZZ-RP-W-001-S2-AESTHETICS

AESTHETICS - EXTERNAL

STRUCTURE

The main objective of the Kate Peter's Library & Community Hwb is to ensure that renewable resources and energy are used to the maximum possible during the planning and construction of the project.

The structure will be constructed out of Glulam timber frame, over the three stories of the building. Glulam will be used wherever possible in the structure of the building. As seen in image 1 below, (Wood Skyscrapers, 2024).

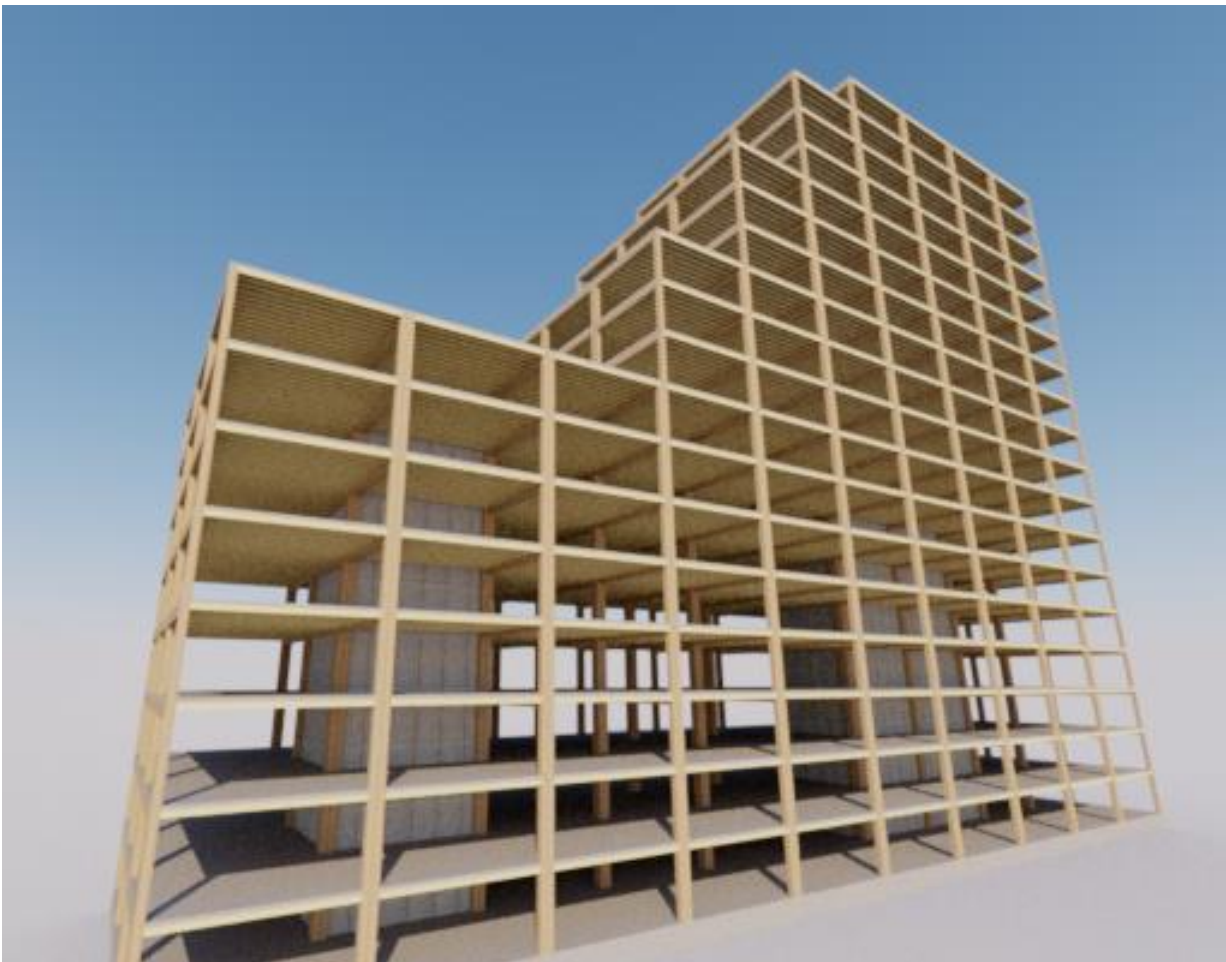


Image 1 post & beam glulam timber frame structure

The structure will be a combination of post & beam as well as incorporating mass cross laminated timber for the panels, as represented in image 2 (Think Wood, 2024)



Image 2 Post & beam glulam timber frame structure with CLT and timber floor panels

The fabric of the building will incorporate cross laminated timber, finished with UK Western Red Cedar Vertical Cladding, see image 3.



Image 3 Cross laminated timber panels in mass timber structure

Cross laminated timber is used mostly with mass timber structures, also known as super plywood. Due to the way the timber is manufactured it provides rigidity in two directions, these panels can be cut to size before installation and be used in both wall and floor construction in multistorey buildings (Dezeen, 2023).

EXTERNAL FINISHES

The external finishes of the building will be cladded vertically in UK Western Red Cedar. The Red Cedar timber is a very attractive and durable timber, and an excellent choice for external cladding, it has one of the longest lifespans of north American softwood and is naturally durable due to the slow grown process, it also has a true straight grain as well as naturally resistant to decay (Latham James The Natural Choice, 2024).



Image 4 Western Red Cedar cladding finish to a building (Mill Works, 2024)



Image 5 Western Red Cedar cladding finish (Latham James The Natural Choice, 2024)

EXTERNAL LANDSCAPE

The aesthetics for the landscape for the Kate Peter's Library & Community Hwb will be based on a biophilic design, this is to ensure that the spaces created both indoors and outdoors benefits both human health and the environment, thus creating a connection between the built environment and harmony with nature. This links in well with the structure of the building being constructed from timber (Thermory, 2024). This is again incorporated into the landscape by the façade of the building have a Red Cedar cladding finish.



Image 6 Biophilic landscape design (Thermory, 2024).



Image 7 Biophilic landscape design (Shahnaz Interiors, 2024)

AESTHETICS - INTERNAL

INTERIOR

The interior will follow the biophilic design as with the landscape. Incorporating a lot of natural light and timber features, linking the inside to the characteristics of the outside natural world, using plants and natural features to draw people in creating a natural environment and connection to the environment. This can be done with colours, water, and sunlight the internal areas will have high ceilings and be well and naturally ventilated wherever possible. The design will use natural shapes and forms. The use and incorporation of light and space will be important natural light can provide many benefits, open spaces creating harmony and diversity linking natural outside to the internal built environment (Thermory, 2024).



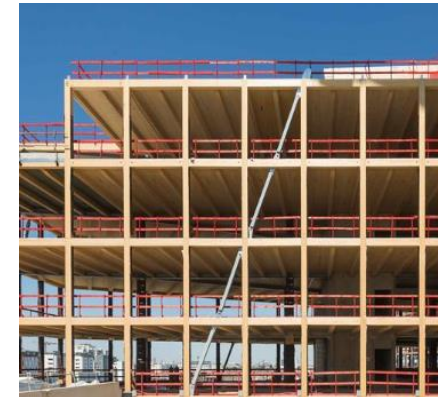
Image 8 Biophilic interior design examples (Shahnaz Interiors, 2024).



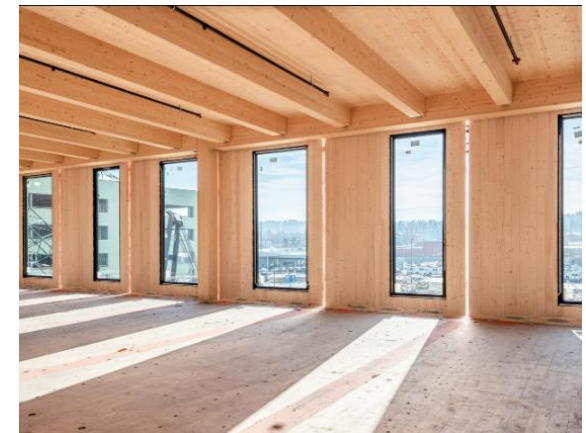
Image 9 Interior biophilic design (Bello, 2021)

AESTHETIC

STRUCTURE



FABRIC



LANDSCAPE



INTERNAL



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