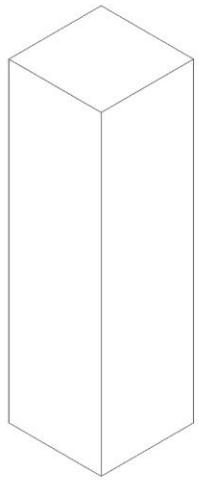
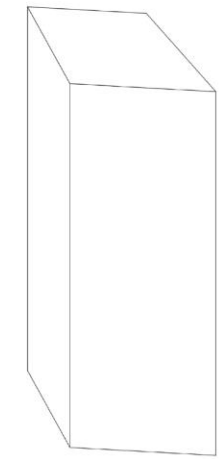
SUSTAINABLE DESIGN STUDIO

CONCEPT

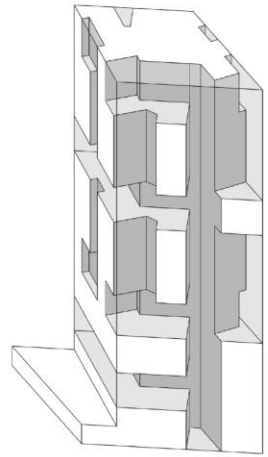
1 SUSTAINABLE MATERIAL



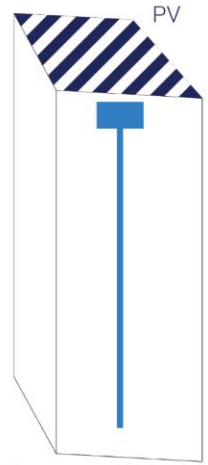
2 SHAPE & ORIENTATION



3 DAYLIGHT OPTIMISATION



4 RENEWABLE RESOURCES



Rain-water harvesting system

5 PROGRAM DEFINITION

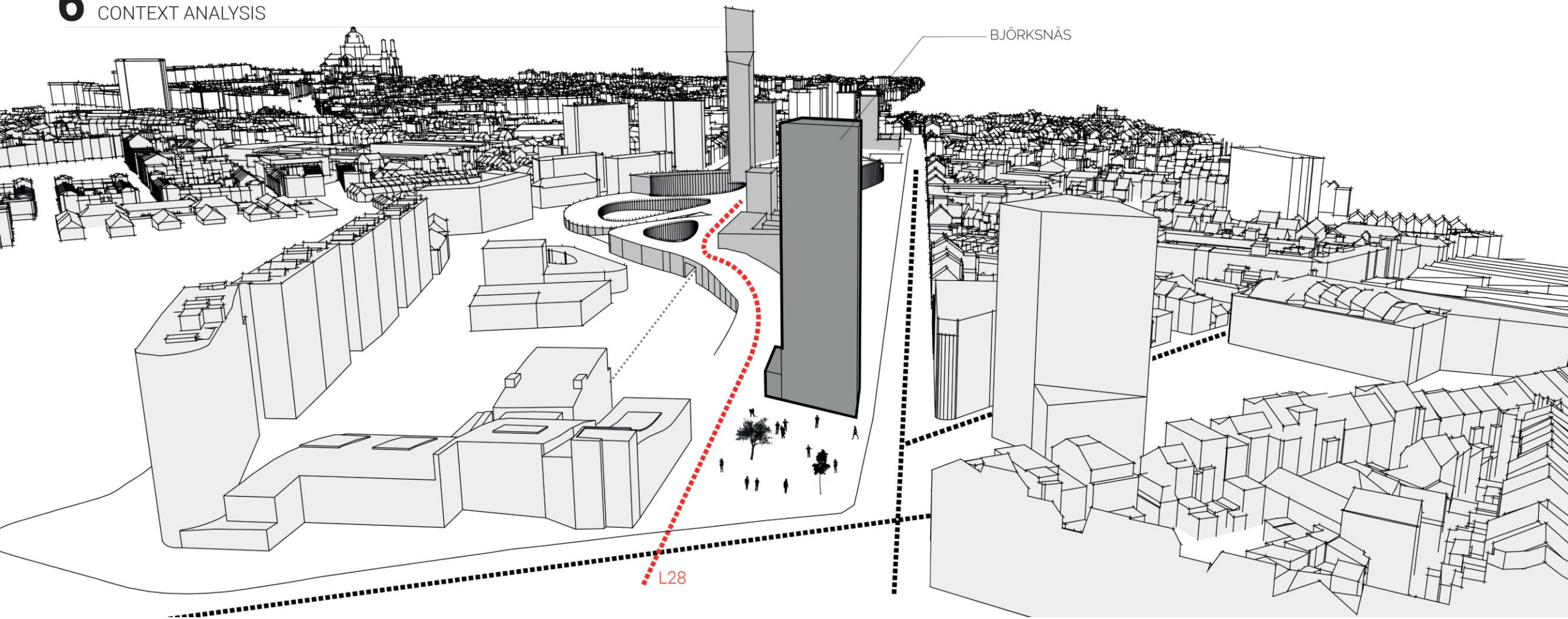
70%
3600m²

20%
1029m²

10%
514m²

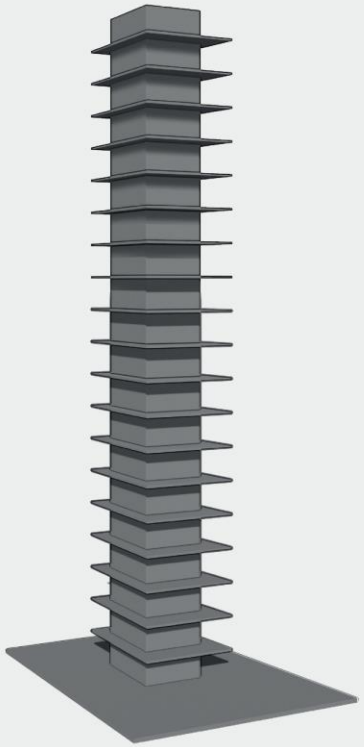
5143m²

6 CONTEXT ANALYSIS

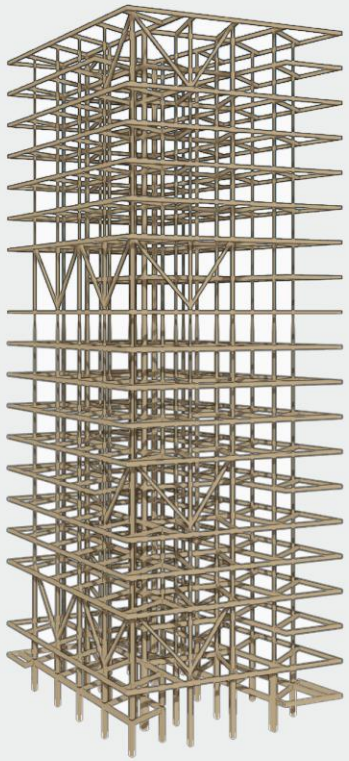


7 CONSTRUCTION & STRUCTURE

CONCRETE CORE

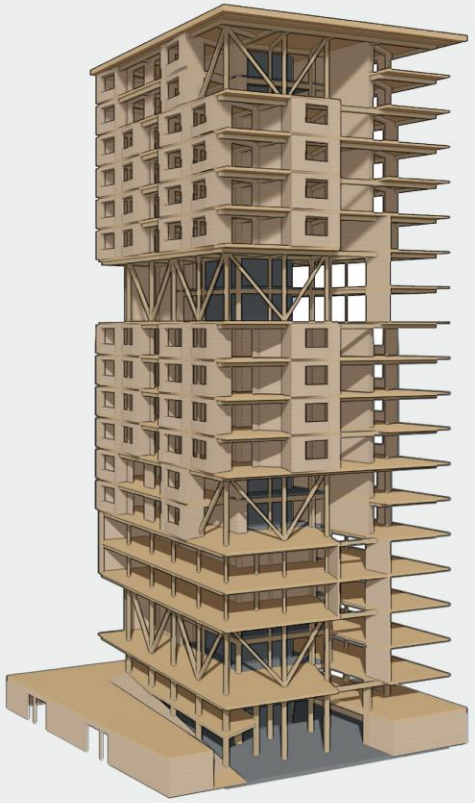


GLULAM POST&BEAM FRAMING

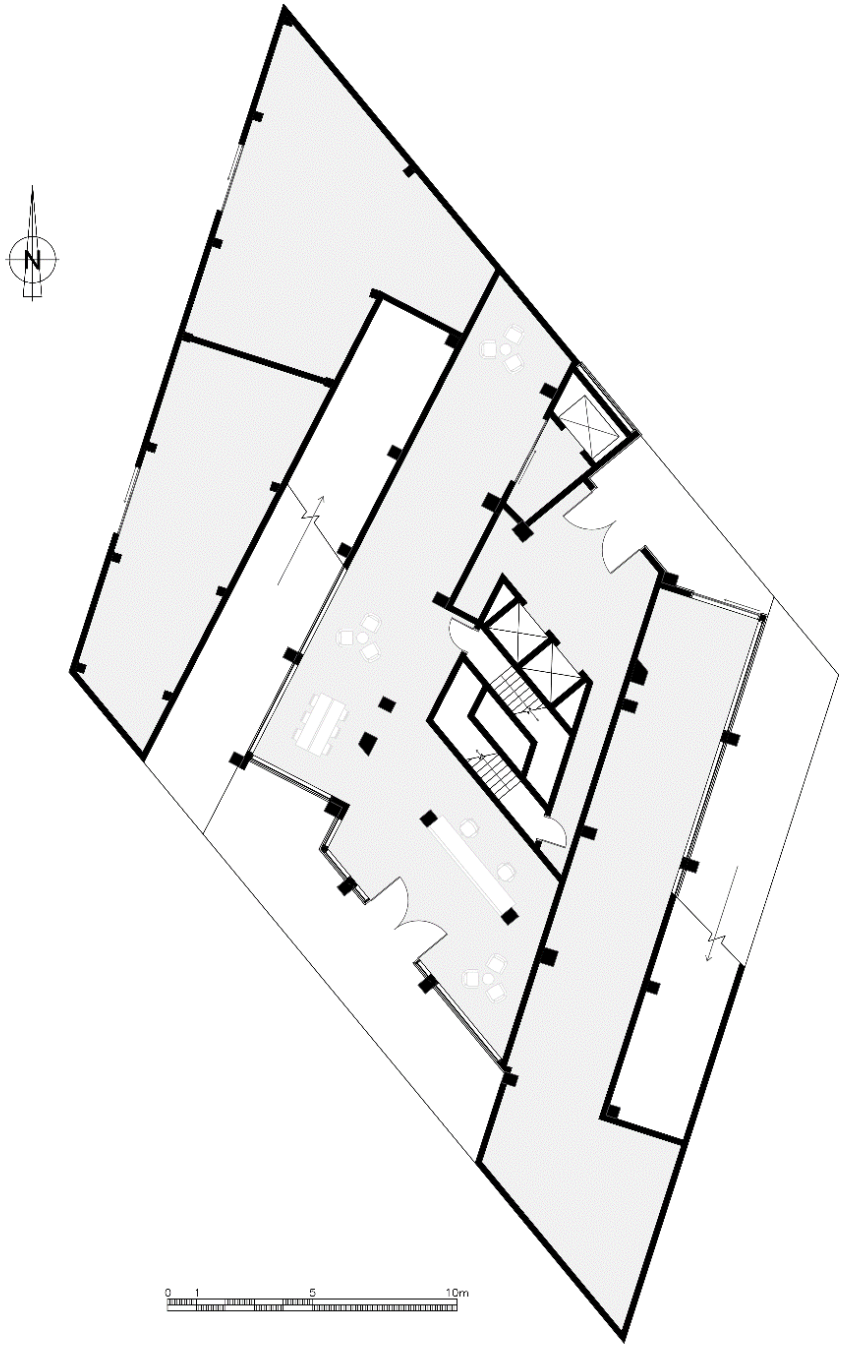


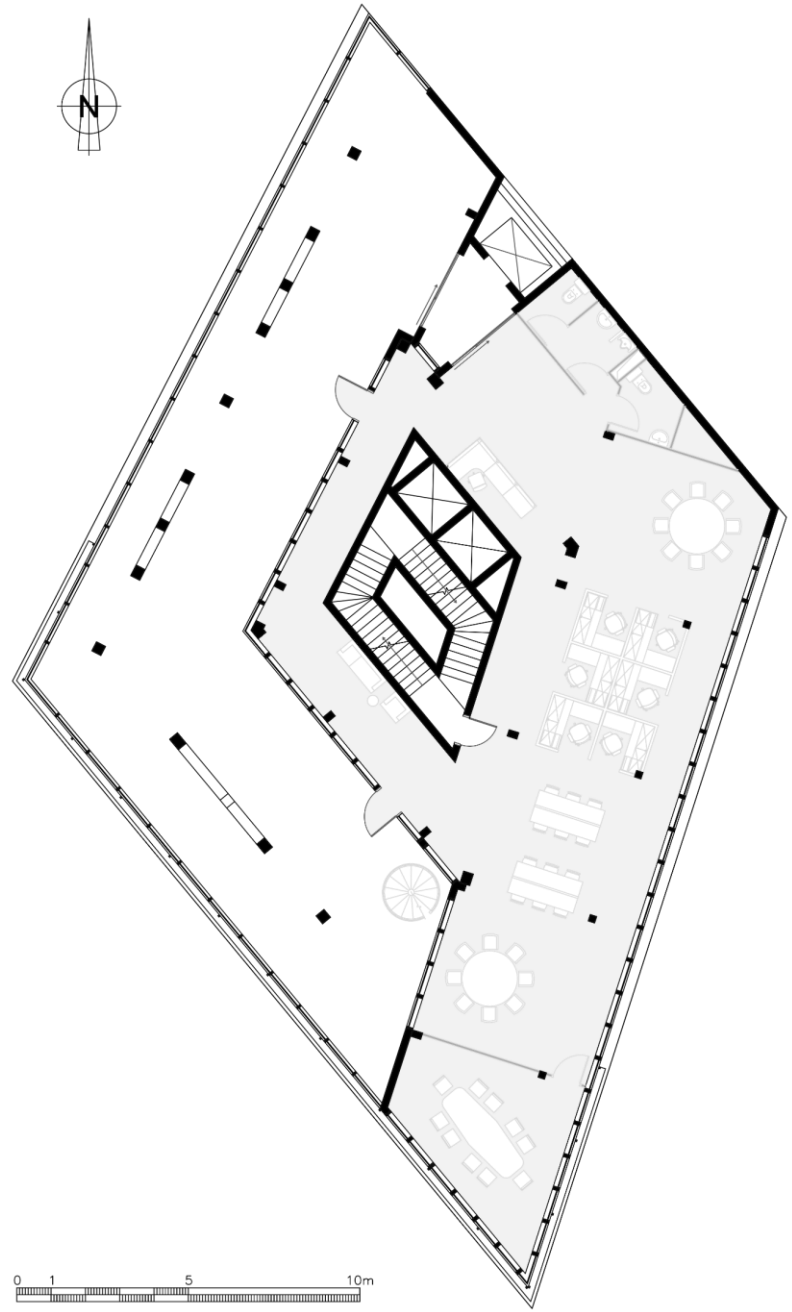
CROSS **L**AMINATED **T**IMBER SLAB

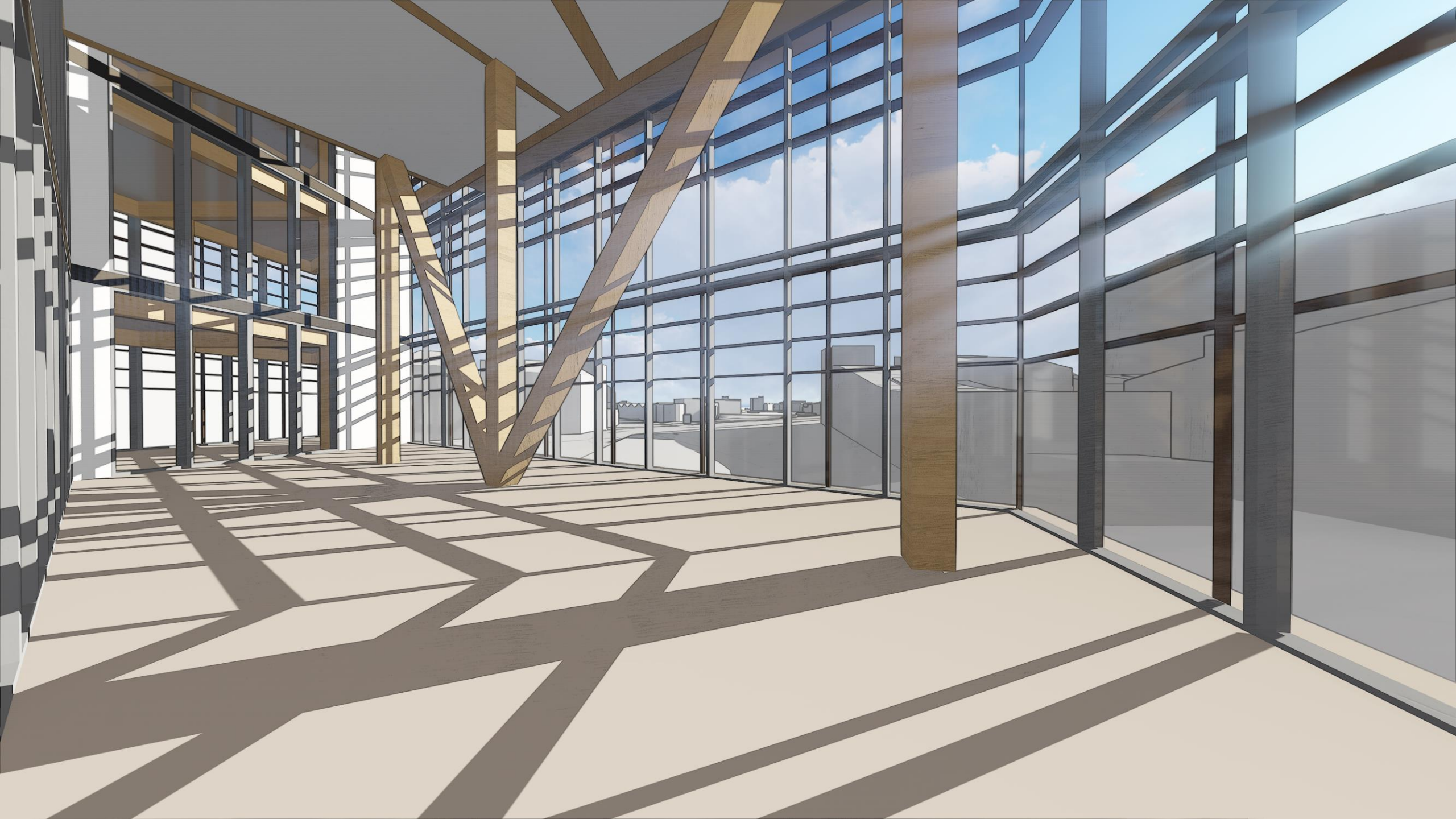
CROSS **L**AMINATED **T**IMBER SLAB

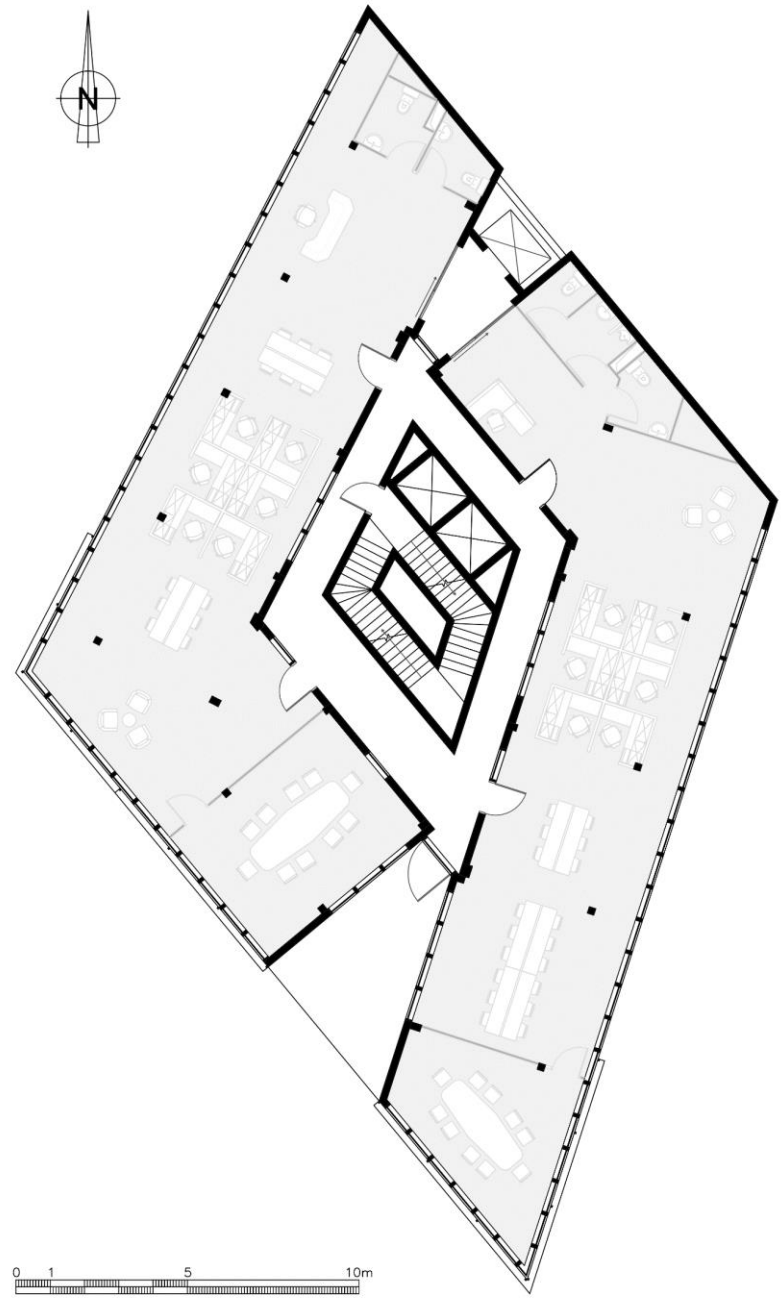


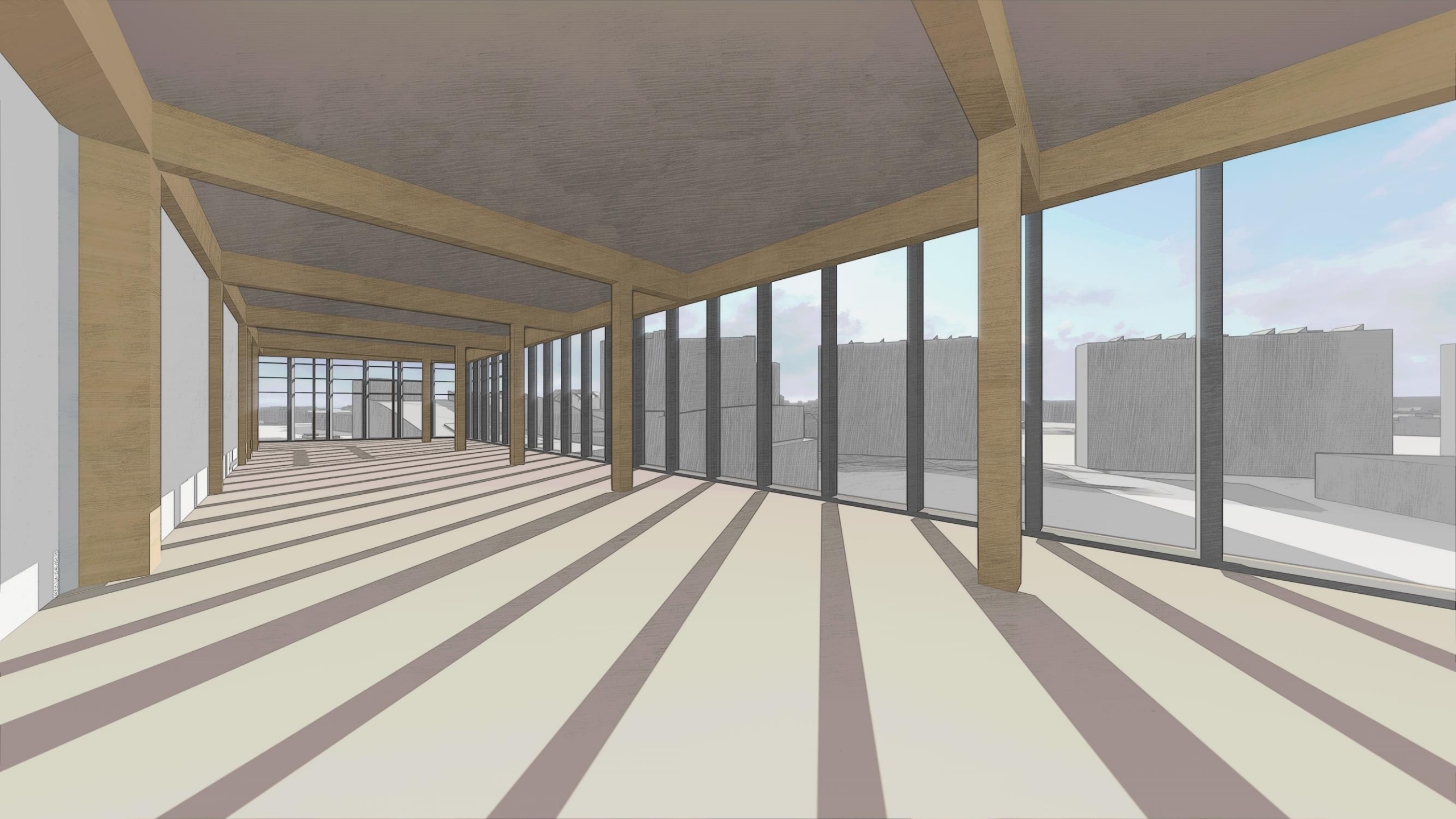
DESIGN

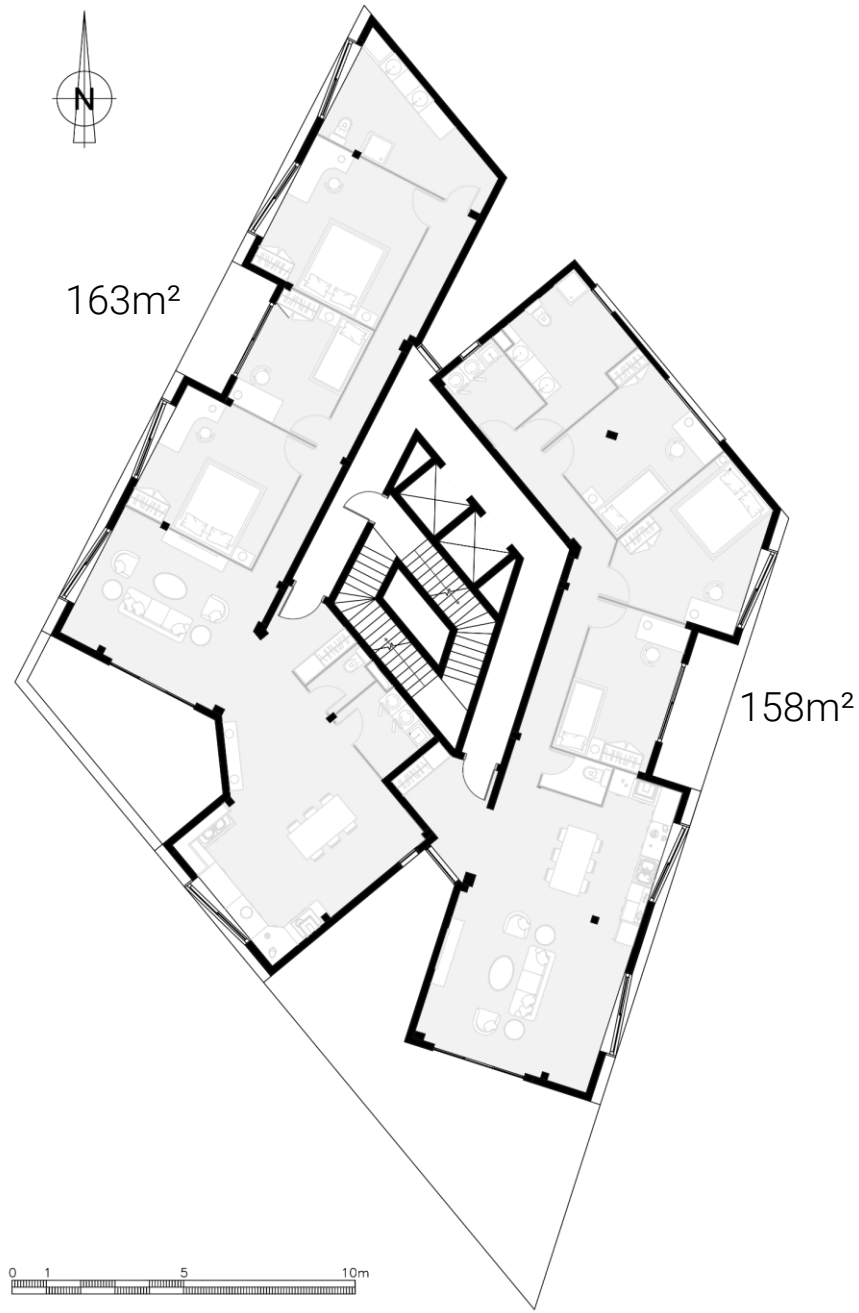

0 1 5 10m

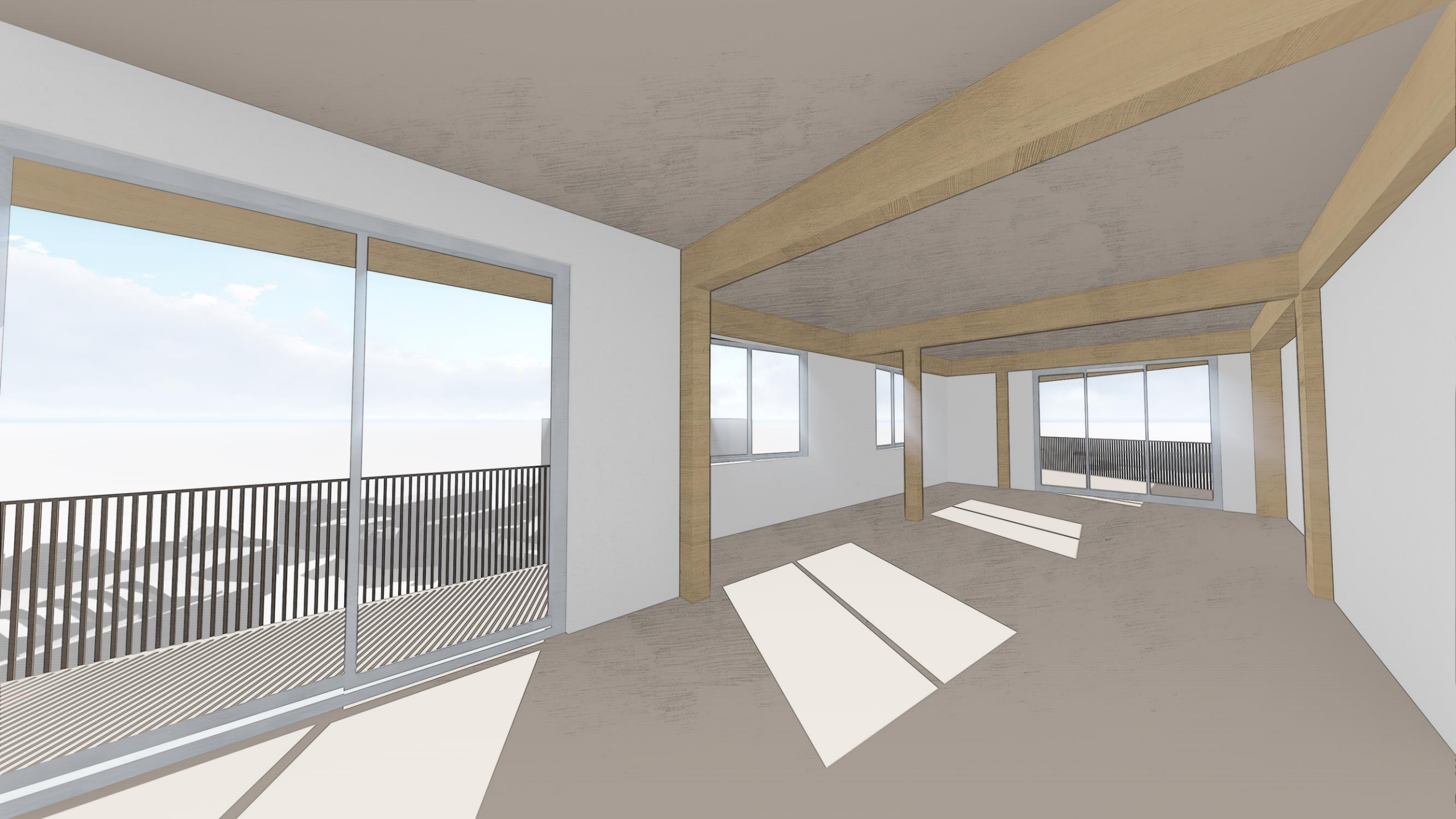

N
0
1
5
10m



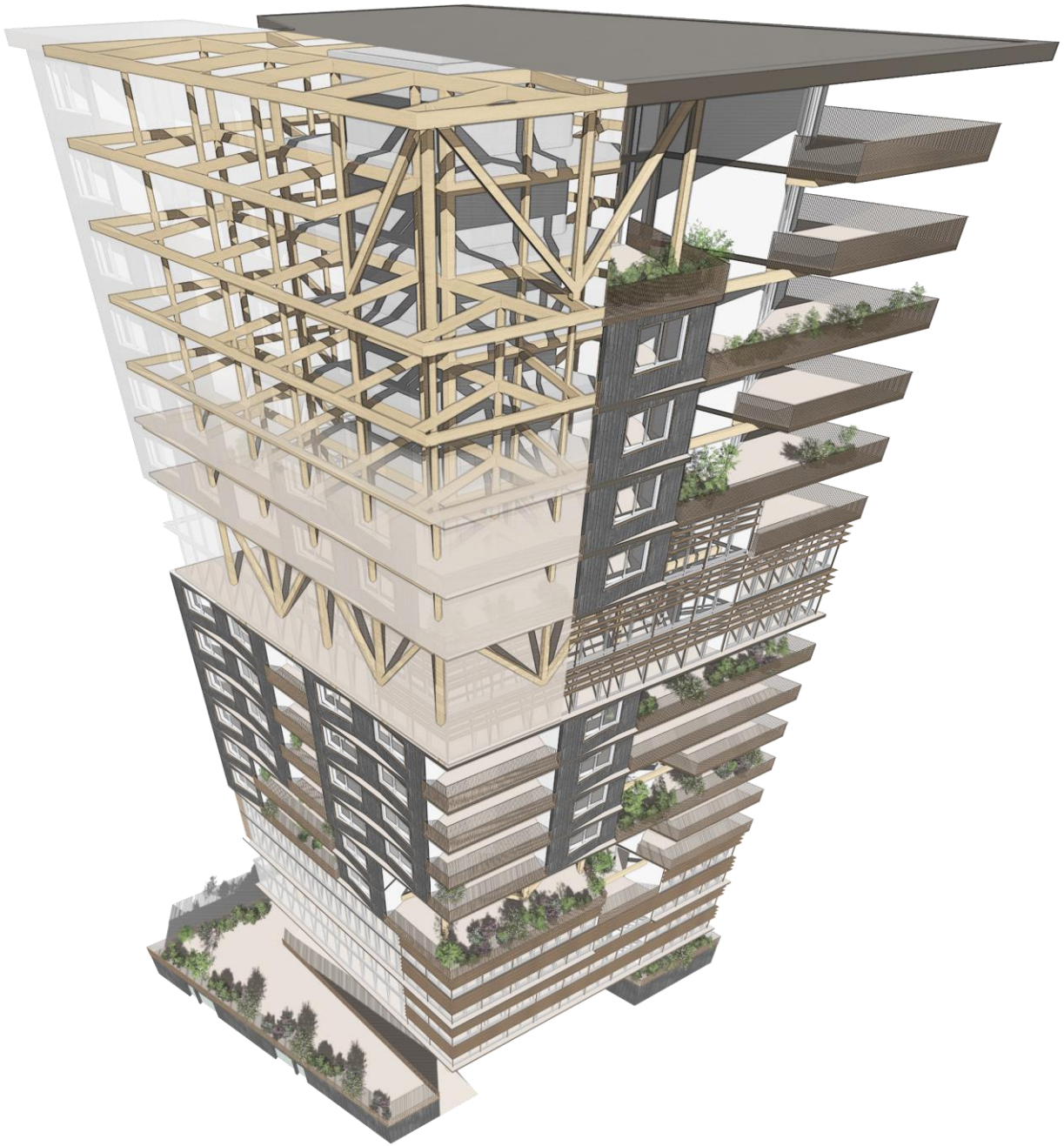

N
0
1
5
10m

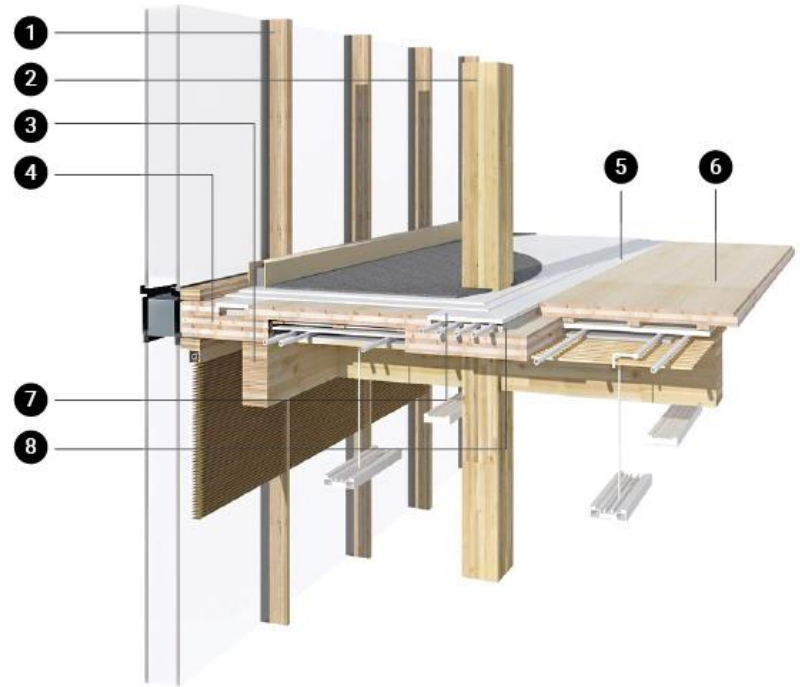



N
163m²
158m²
0
1
5
10m



STRUCTURE & MATERIALS





1. Laminated veneer lumber
2. Glulam column
3. Glulam beam
4. 5 layer CLT panel
5. Accoustical underlayment
6. 3 layer CLT panel
7. Plywood
8. Insulation board