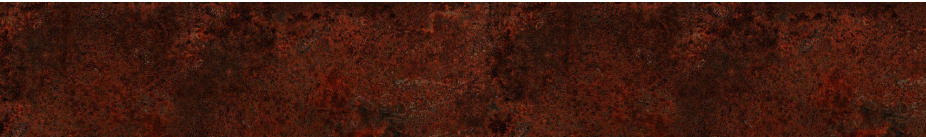
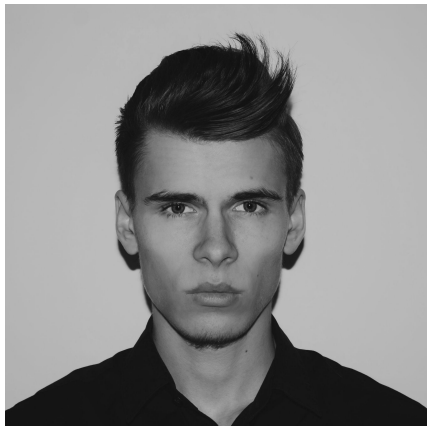


R U S T



G R E E N

T E A M N R . 1 2



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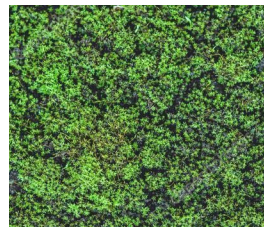
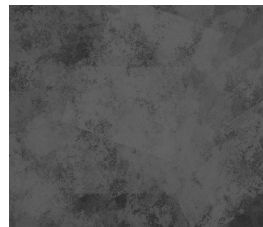
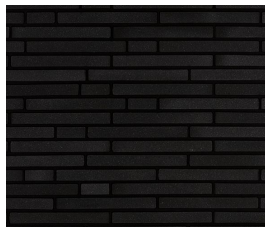
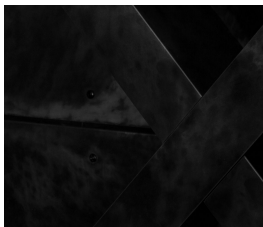
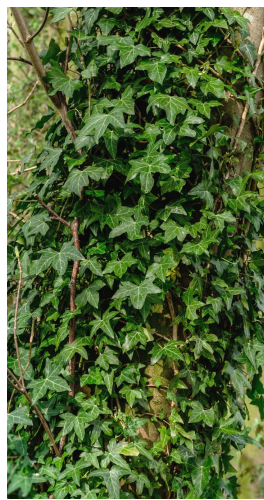
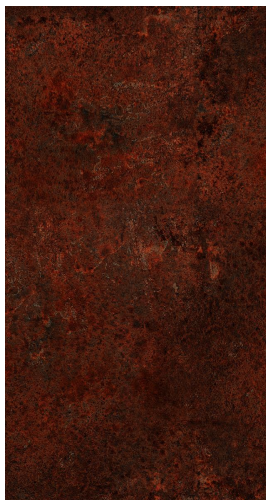


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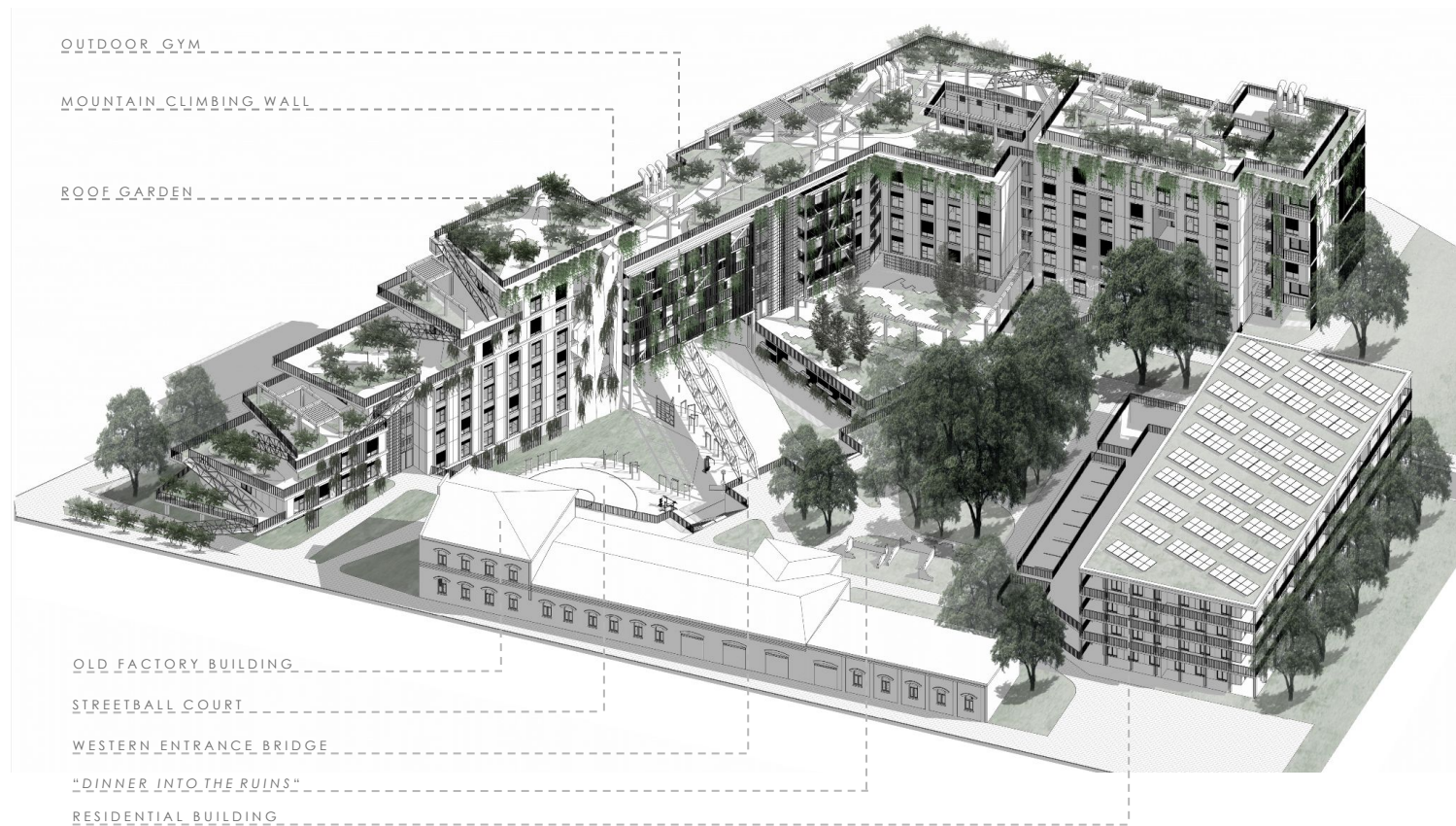


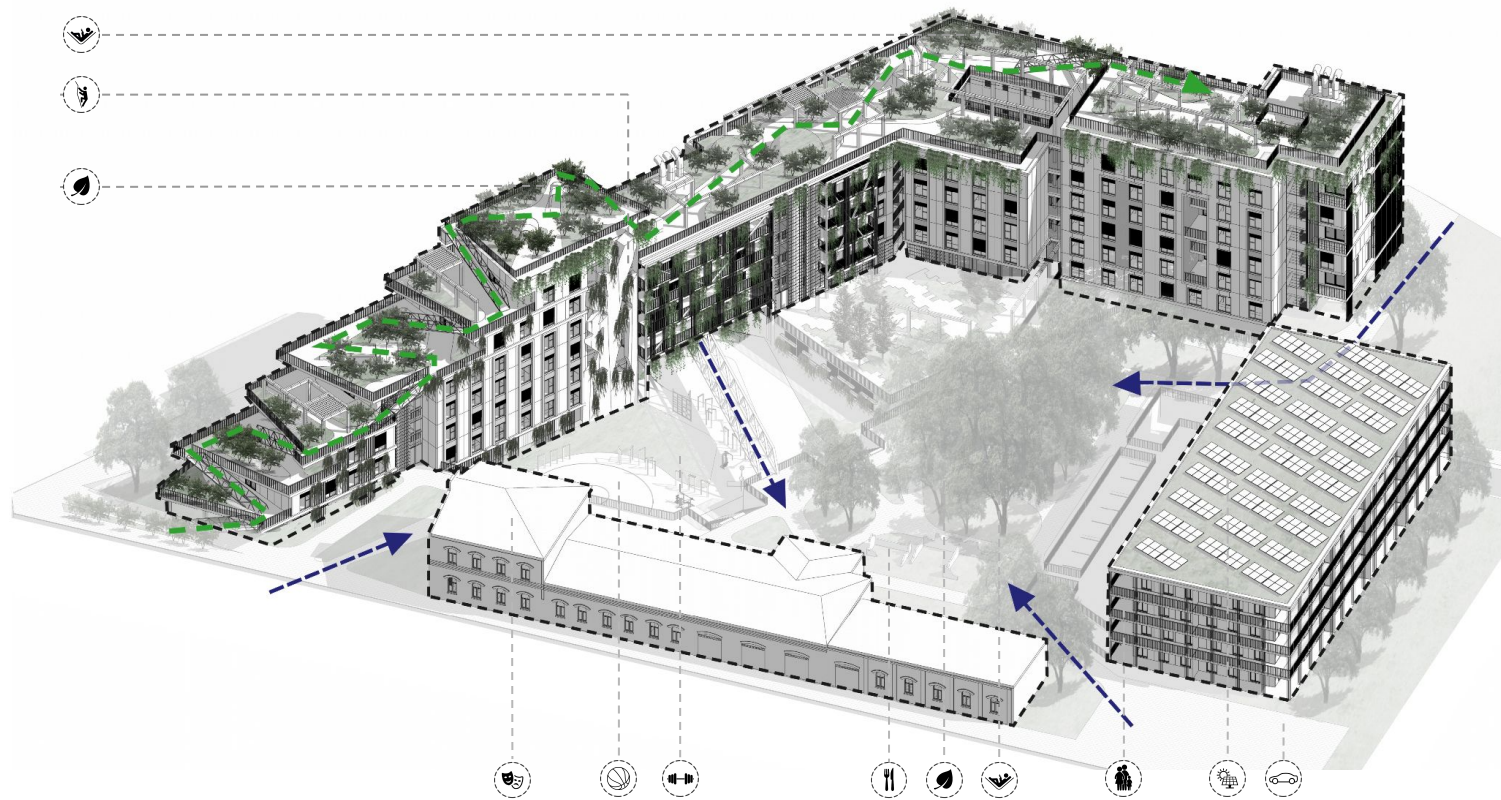
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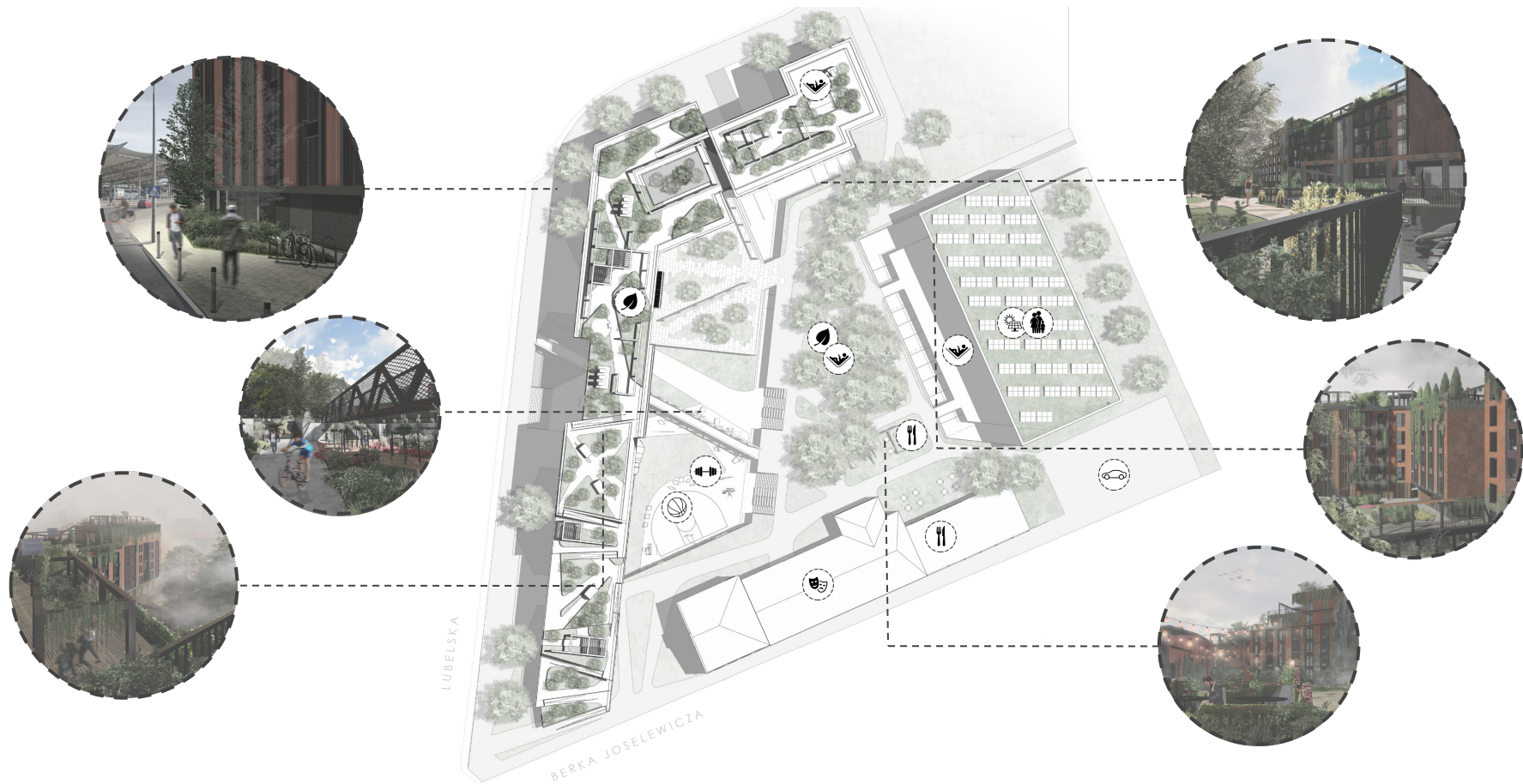
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WARSAW, POLAND







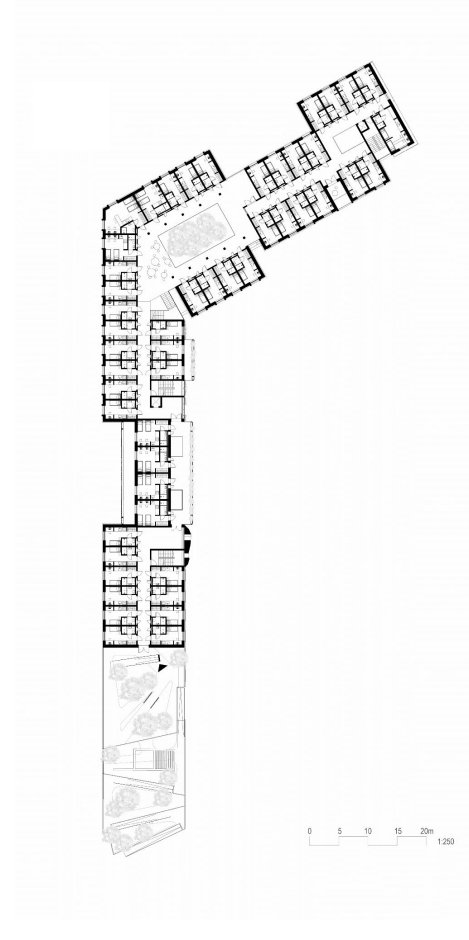




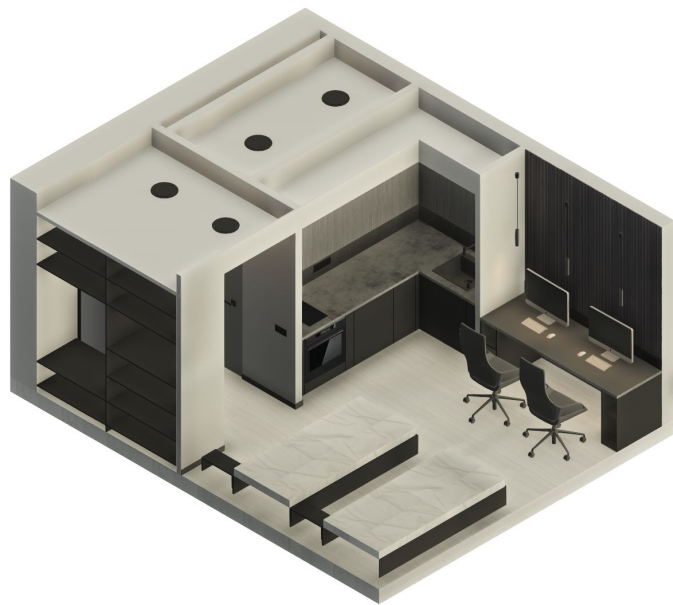




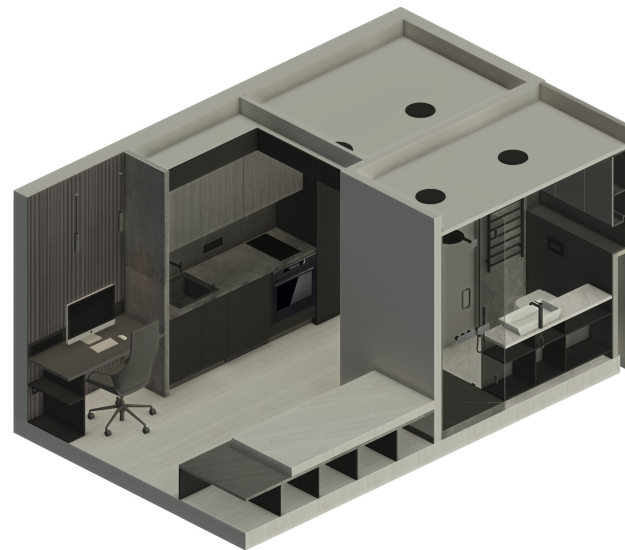
GROUND FLOOR PLAN



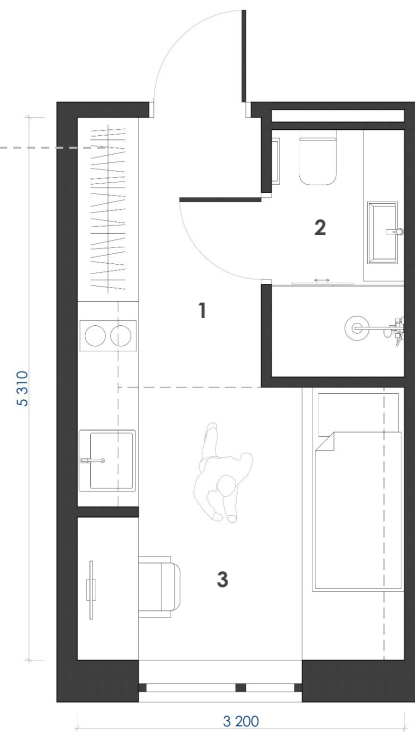
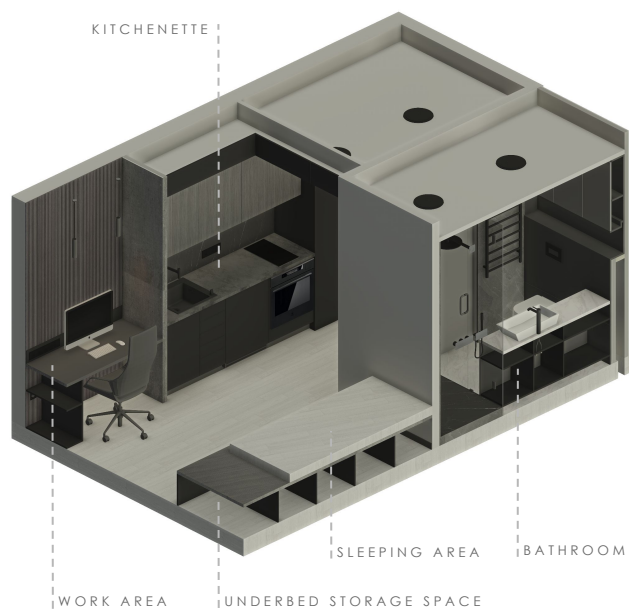
TYPICAL FLOOR PLAN



TYPICAL DOUBLE ROOM

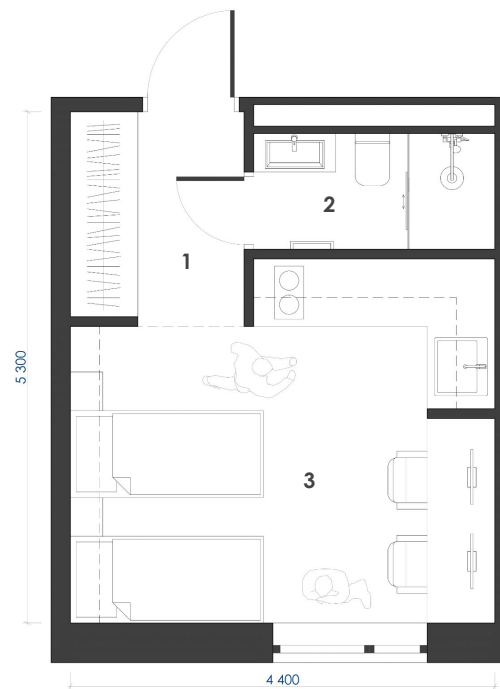
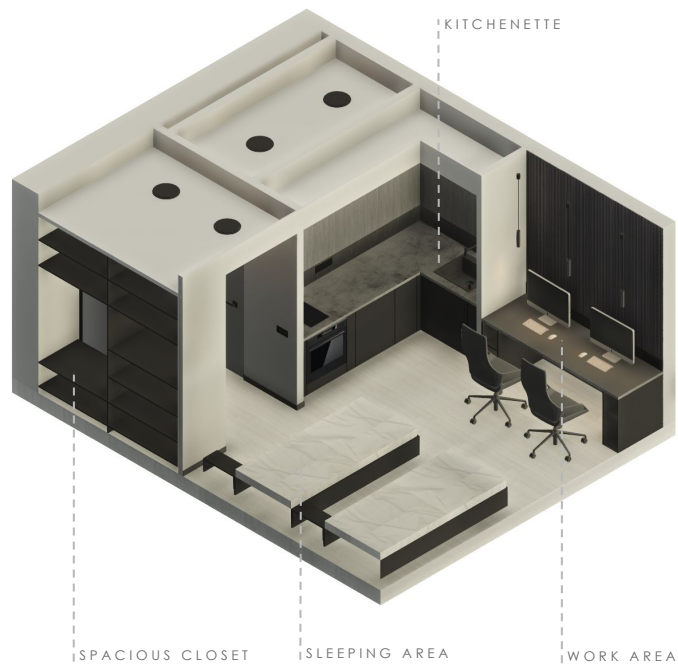


TYPICAL SINGLE ROOM



1	ENTRANCE	4.8 m ²
2	BATHROOM	3.1 m ²
3	LIVING AREA	8.5 m ²
TOTAL AREA :		16.4 m ²





- | | | |
|---|-------------|---------------------|
| 1 | ENTRANCE | 3.8 m ² |
| 2 | BATHROOM | 3.0 m ² |
| 3 | LIVING AREA | 15.3 m ² |

TOTAL AREA : 22.1 m²



ISOVER
SAINT-GOBAIN

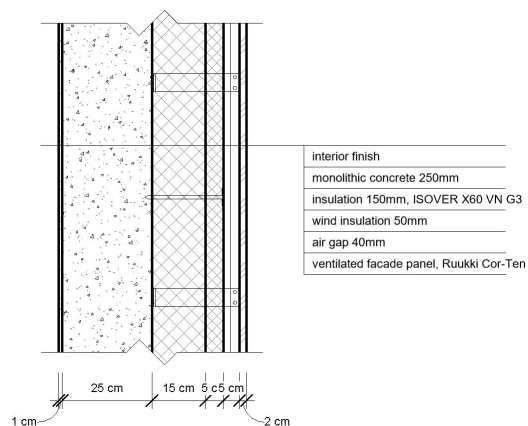
weber
SAINT-GOBAIN

Ecophon
SAINT-GOBAIN

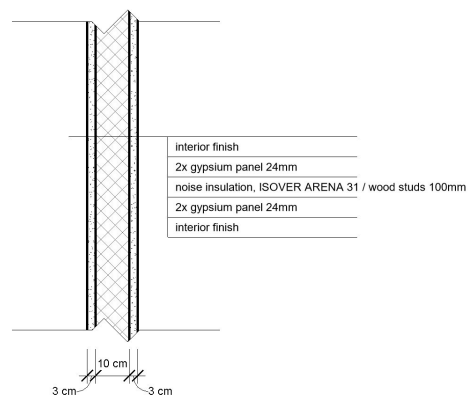
PAM
SAINT-GOBAIN

Rigips
SAINT-GOBAIN

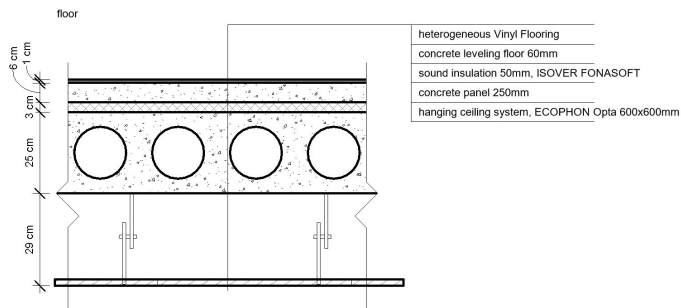
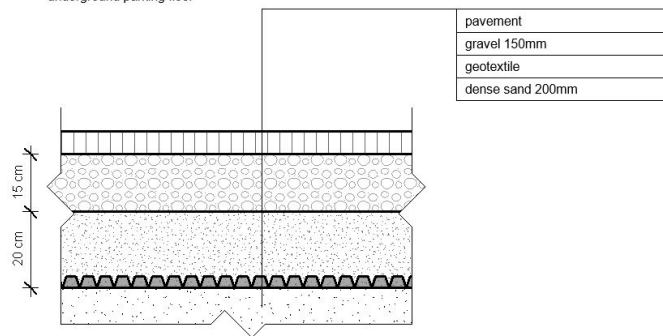
exterior wall

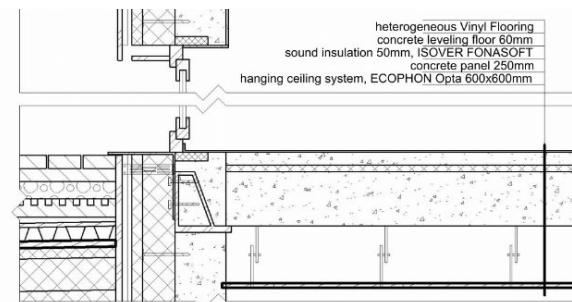
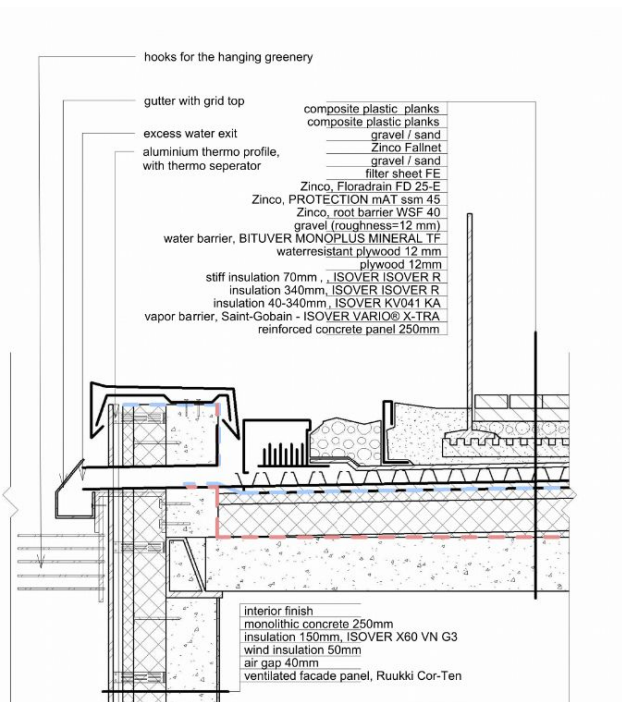


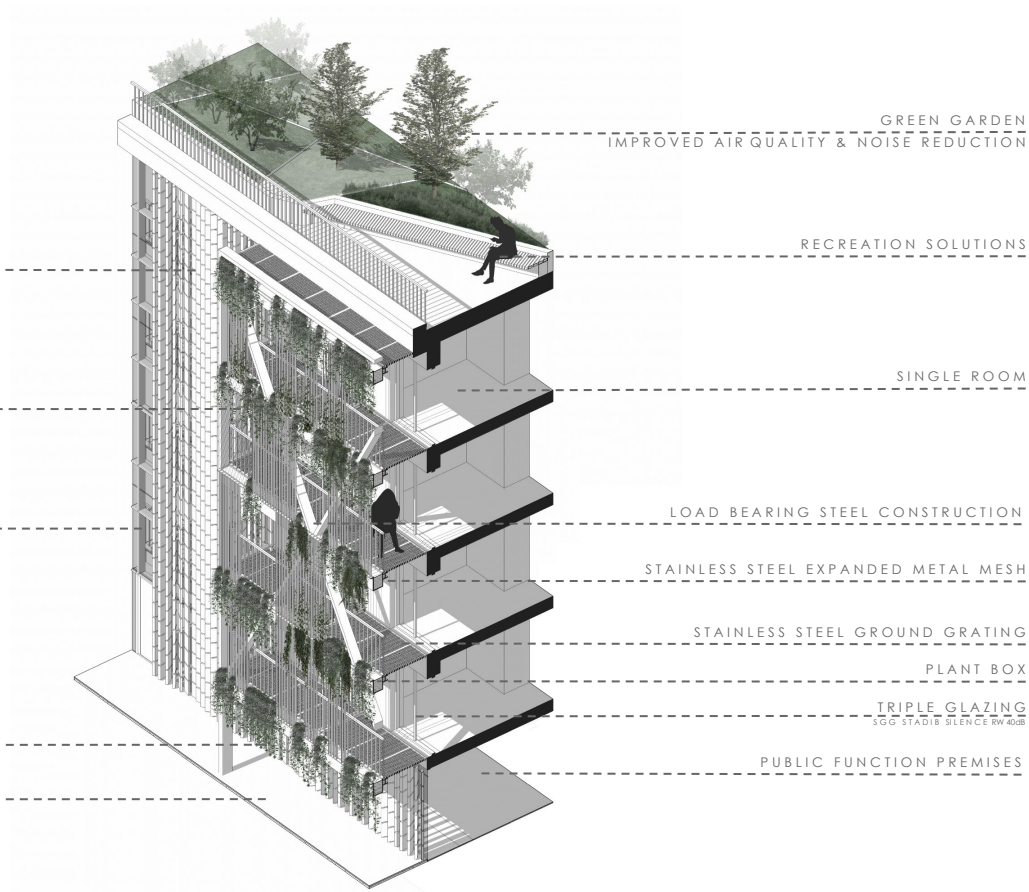
interior wall

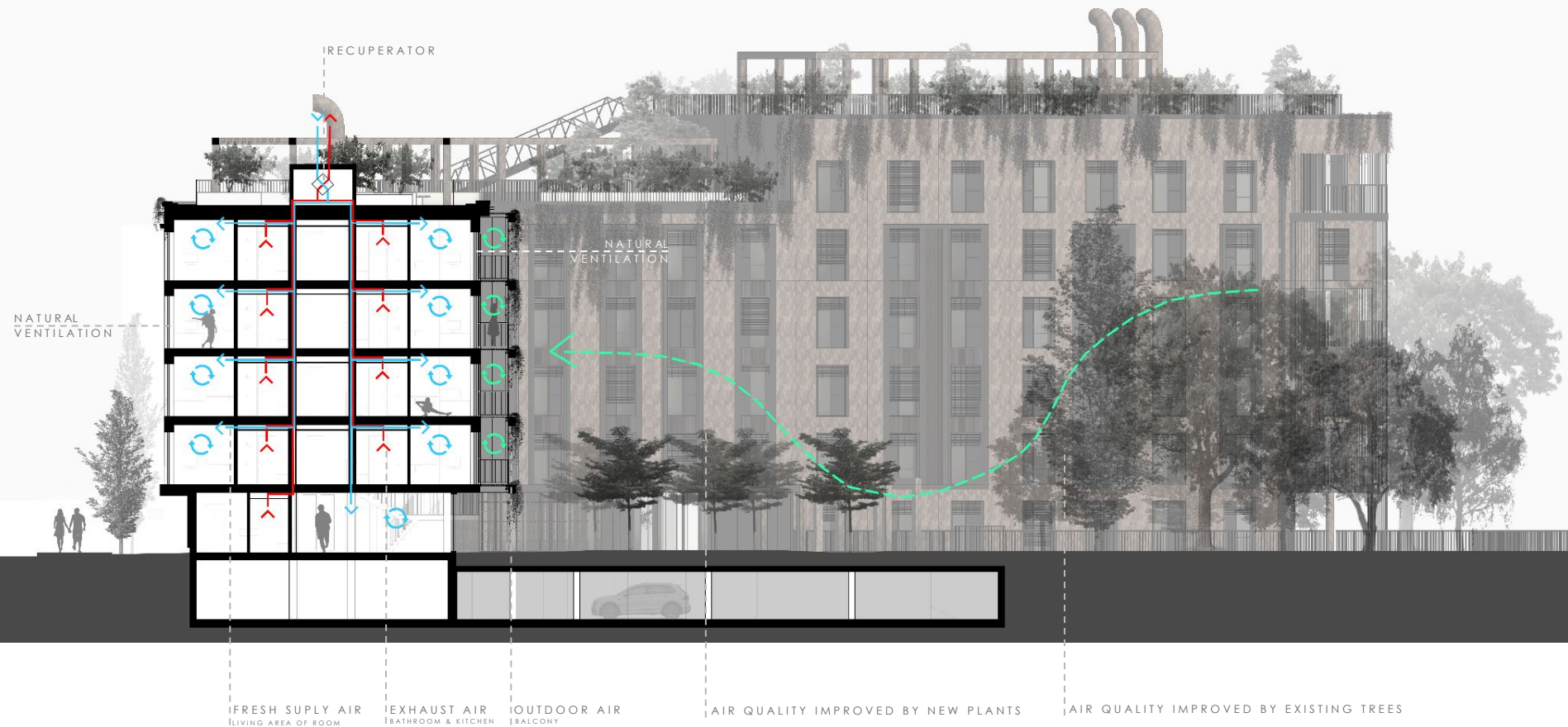


underground parking floor









SOUND ISOLATION
ISOVER ACOUSTIC 50mm

SOUND ISOLATION
ISOVER FONASOFT 50mm

TRIPLE GLAZING
SGG STADIB SILENCE RW 40dB

STREET NOISE REDUCTION FROM TREES

STREET NOISE 40 - 70dB

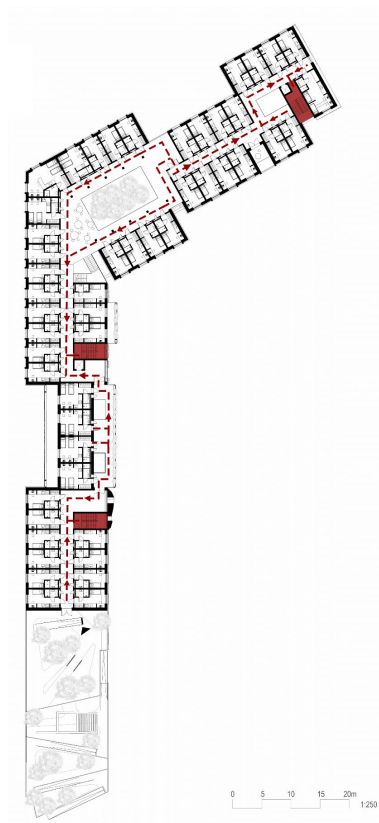
UNDERGROUND PARKING < 70dB

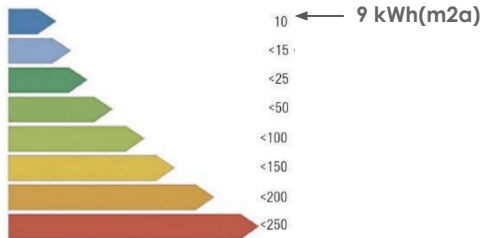
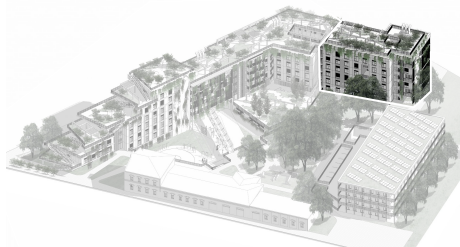
CURTAIN WALL
SGG PLANITHERM XN + SGG STADIP PROTECT

NOISE REDUCTION FROM VEGETATION









Results:
specific heat demand = **9 kWh(m2a)**

Heat demand:

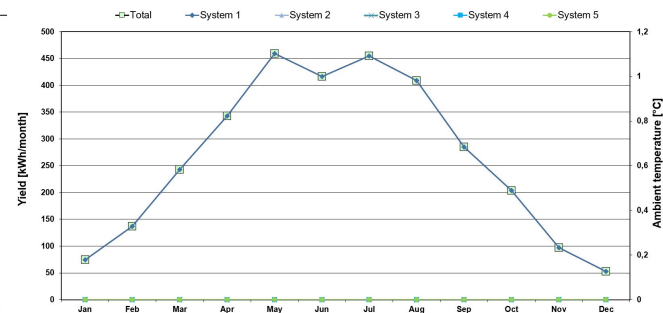
Specific building characteristics with reference to the treated floor area

	Treated floor area m²	2037,3
Space heating	Heating demand kWh/(m²a)	9
	Heating load W/m²	9
Space cooling	Cooling & dehum. demand kWh/(m²a)	-
	Cooling load W/m²	-
	Frequency of overheating (> 25 °C) %	4
	Frequency of excessively high humidity (> 12 g/kg) %	0
Airtightness	Pressurization test result n ₅₀ 1/h	0,6
Non-renewable Primary Energy (PE)	PE demand kWh/(m²a)	
	PER demand kWh/(m²a)	92
Primary Energy Renewable (PER)	Generation of renewable energy (in relation to projected kWh/(m²a) building footprint area)	6

Glazing and shading impact:

Orientation	Glazing area [m²]	Reduction factor winter r _v	Reduction factor cooling r _{v,1}	Reduction factor cooling load r _{v,2}	Solar load [kWh/(m² _{glazing} a)]
North	73,32	88%	95%	95%	129
East	15,56	45%	41%	30%	84
South	91,29	63%	49%	40%	173
West	11,41	58%	36%	26%	111
Horizontal	0,00	100%	100%	100%	0

kWh/month from PV panels:



Solar impact:

