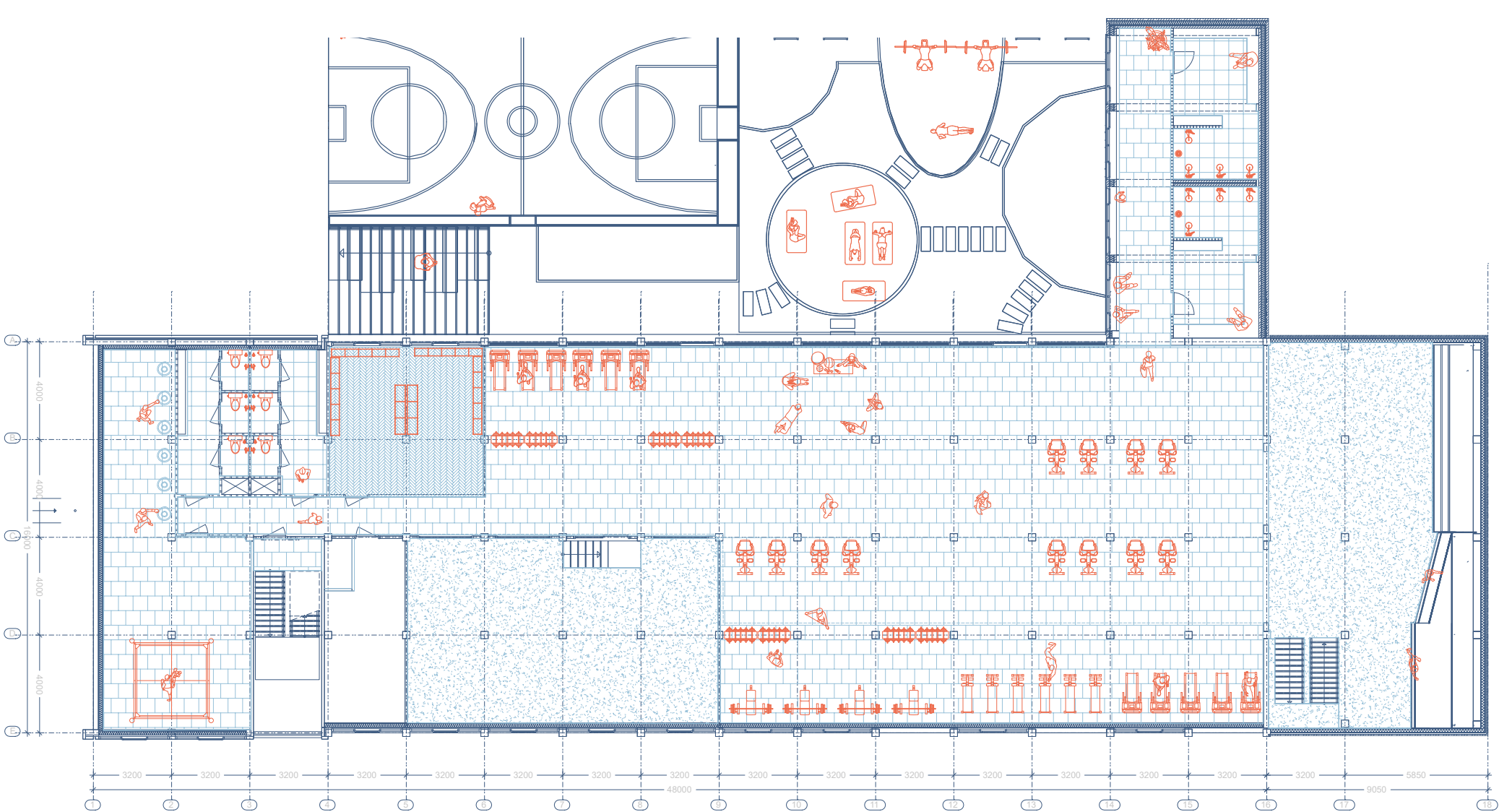
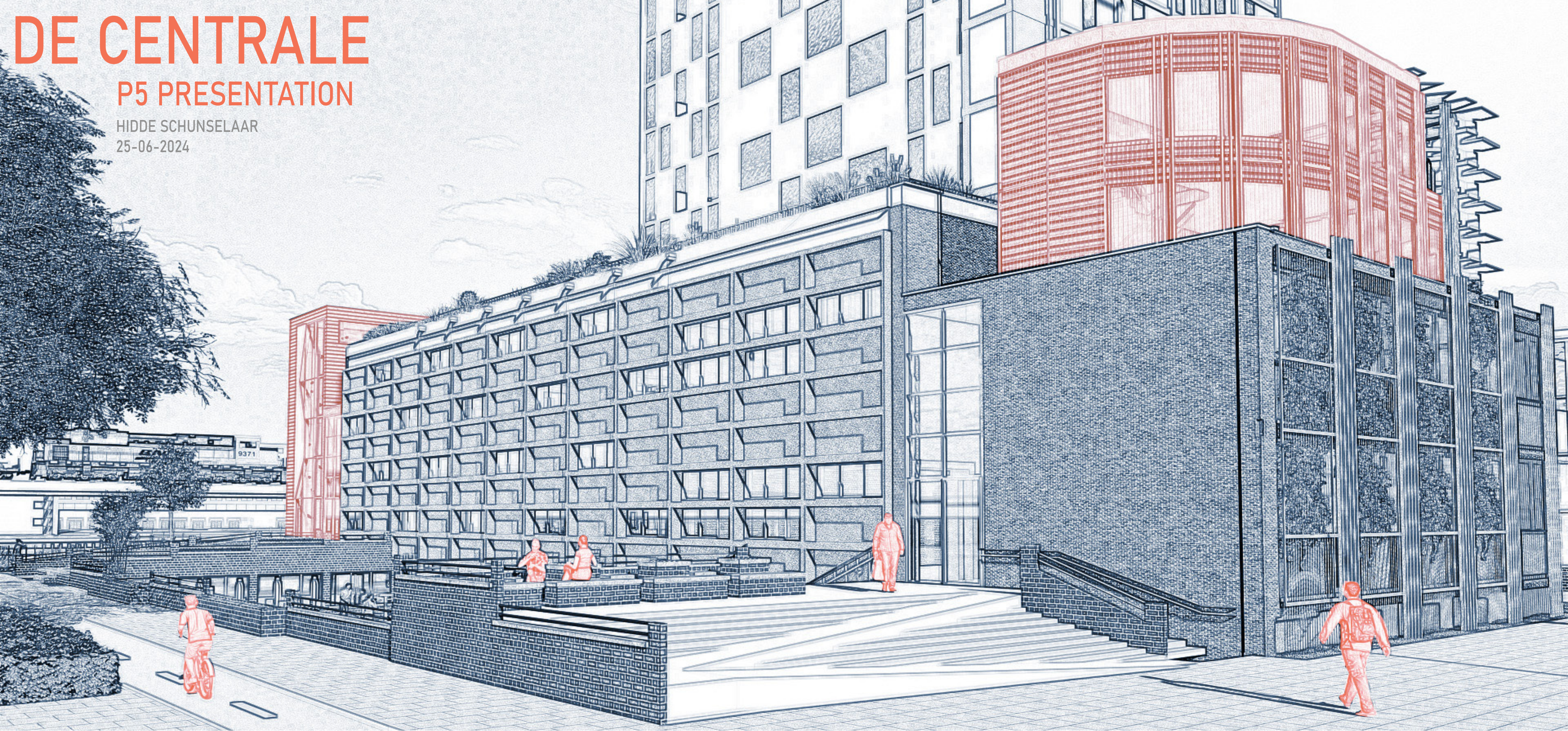


DE CENTRALE

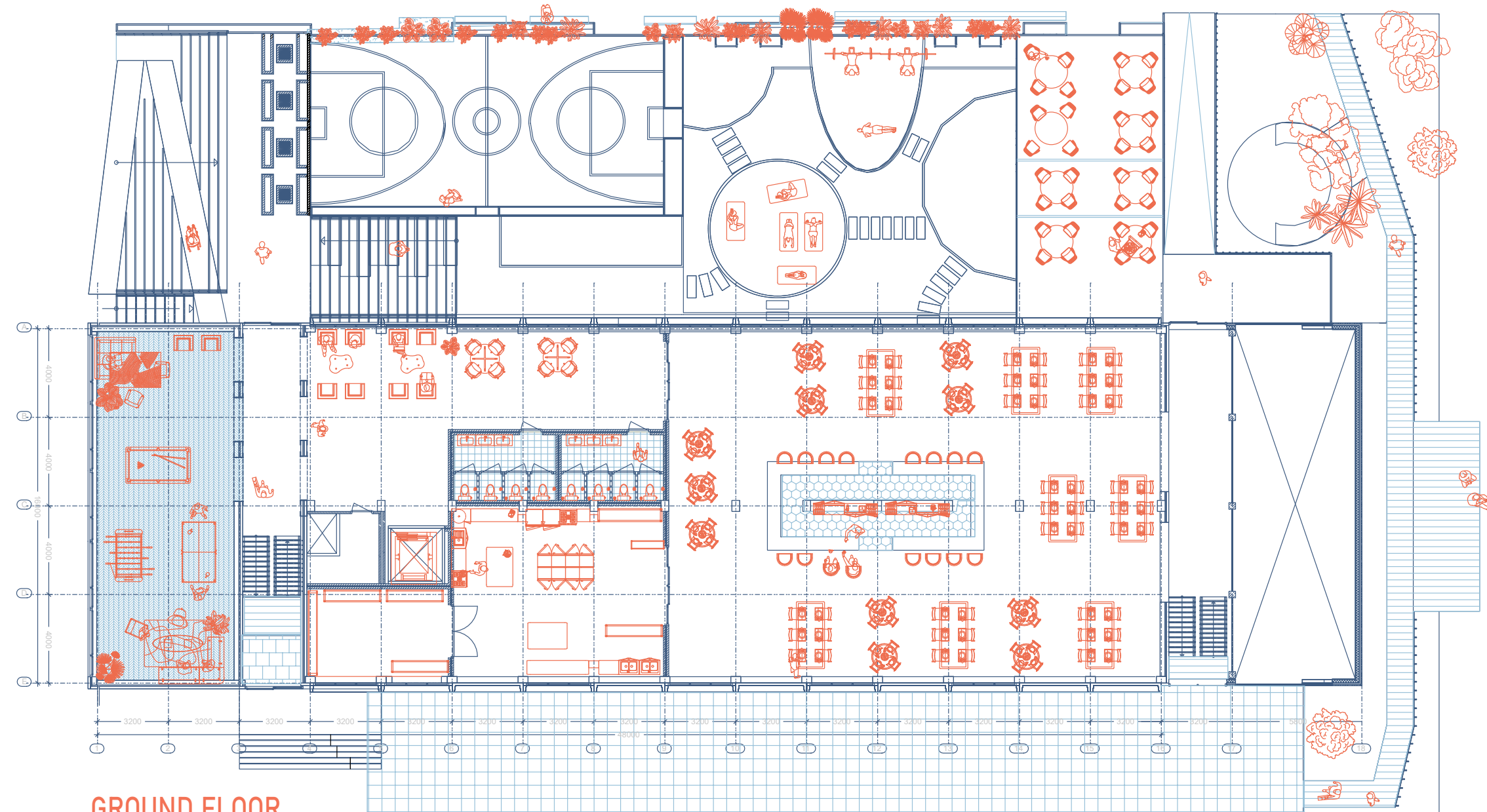
P5 PRESENTATION

HIDDE SCHUNSELAAR

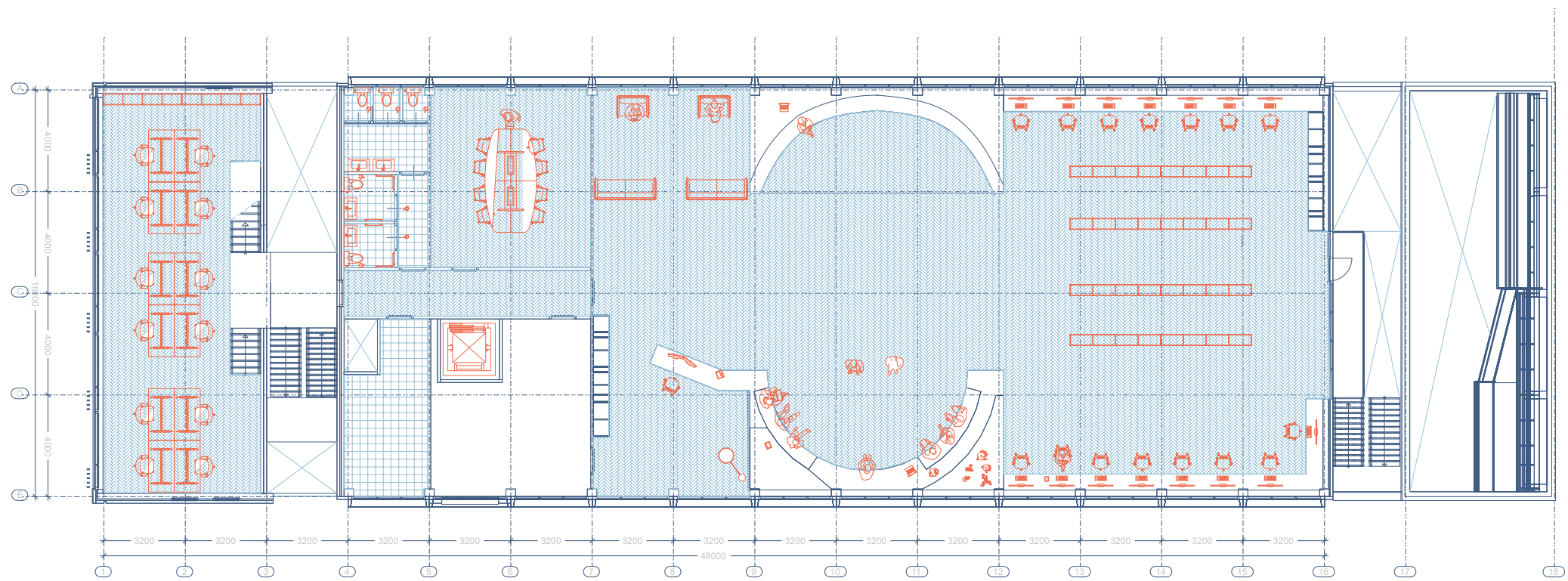
25-06-2024



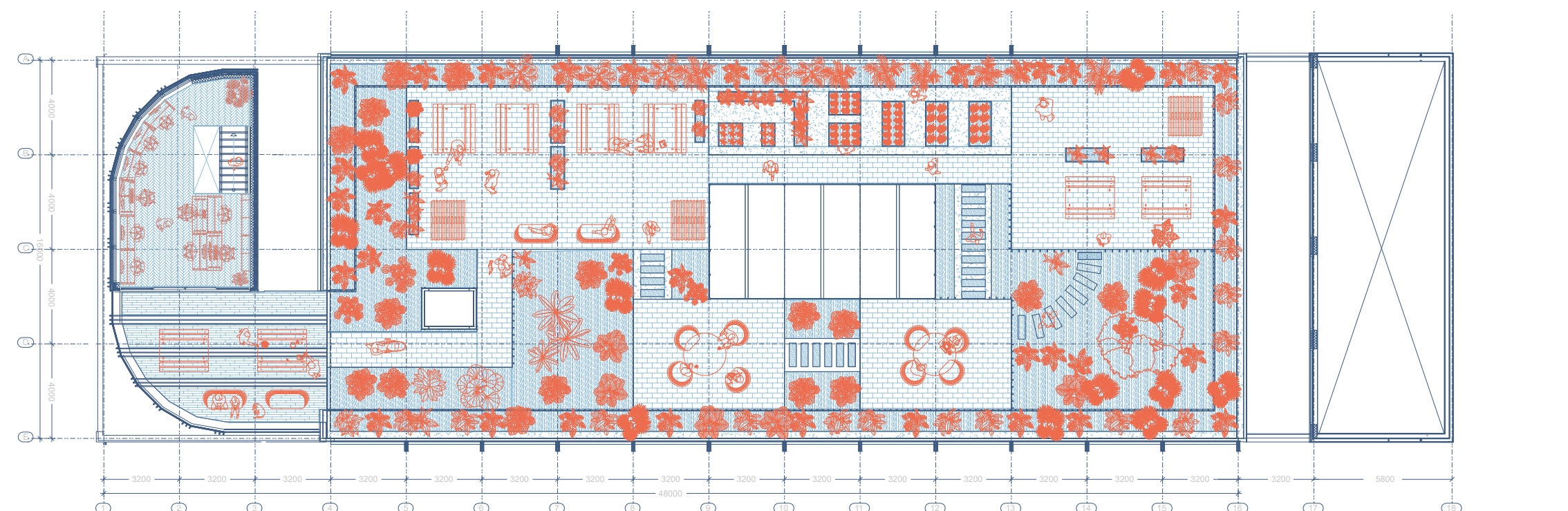
BASEMENT FLOOR



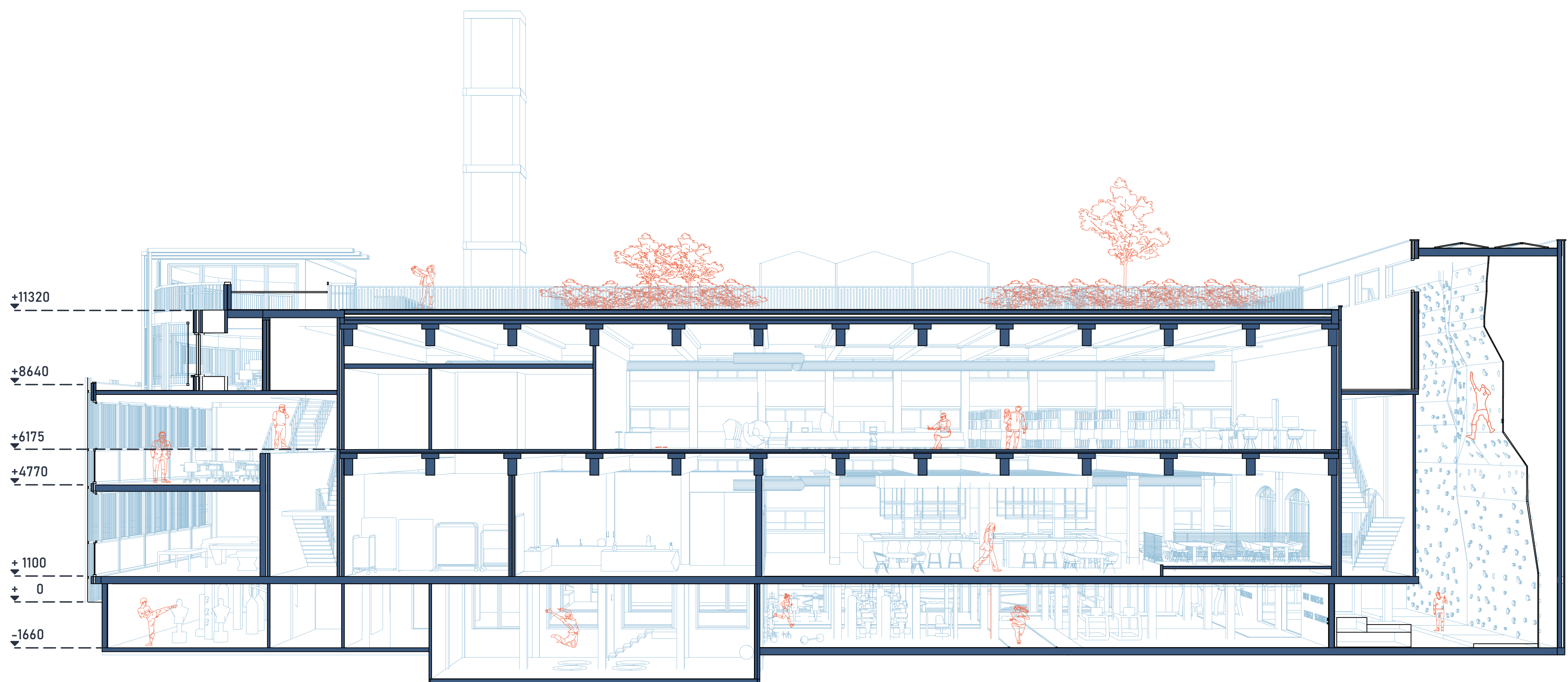
GROUND FLOOR

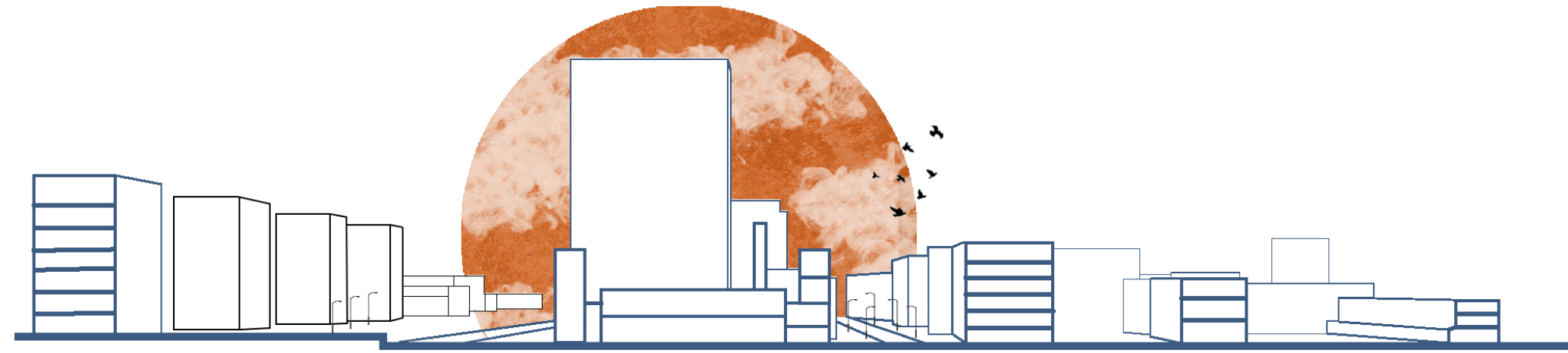
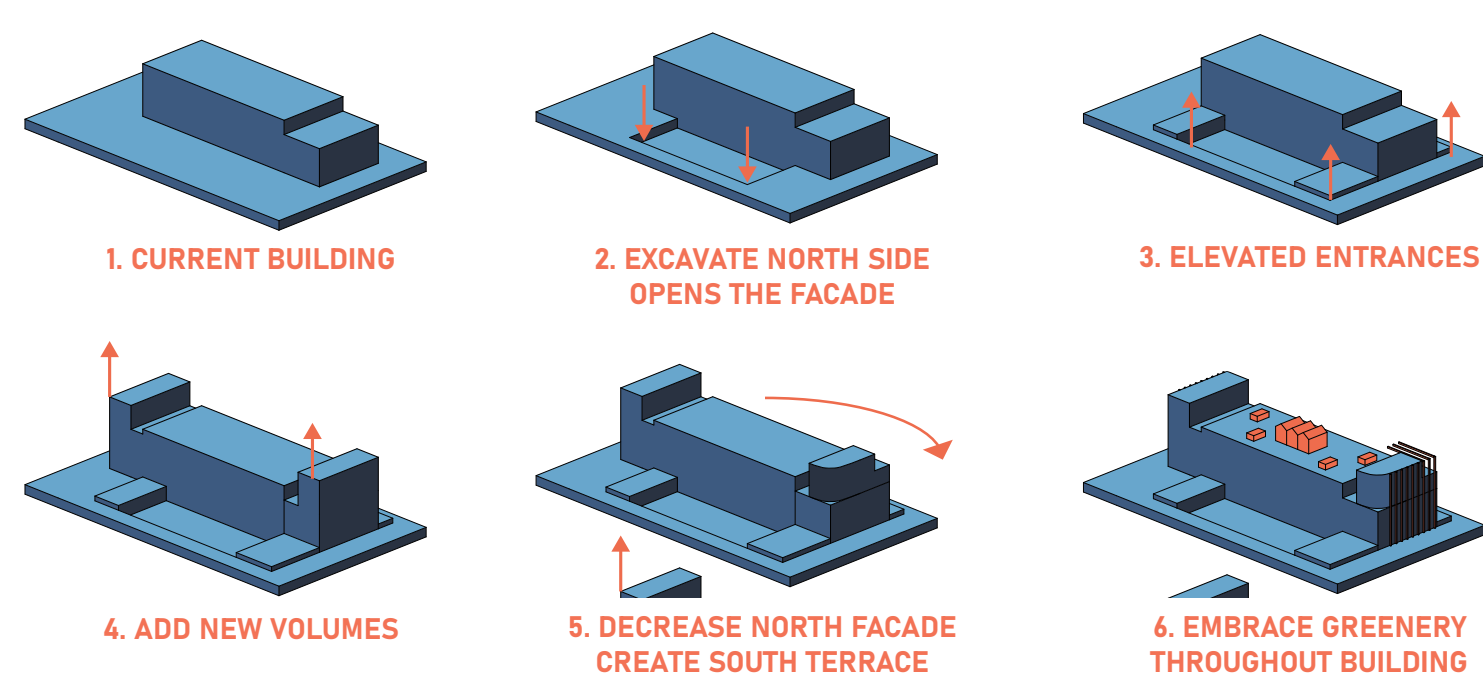


FIRST FLOOR

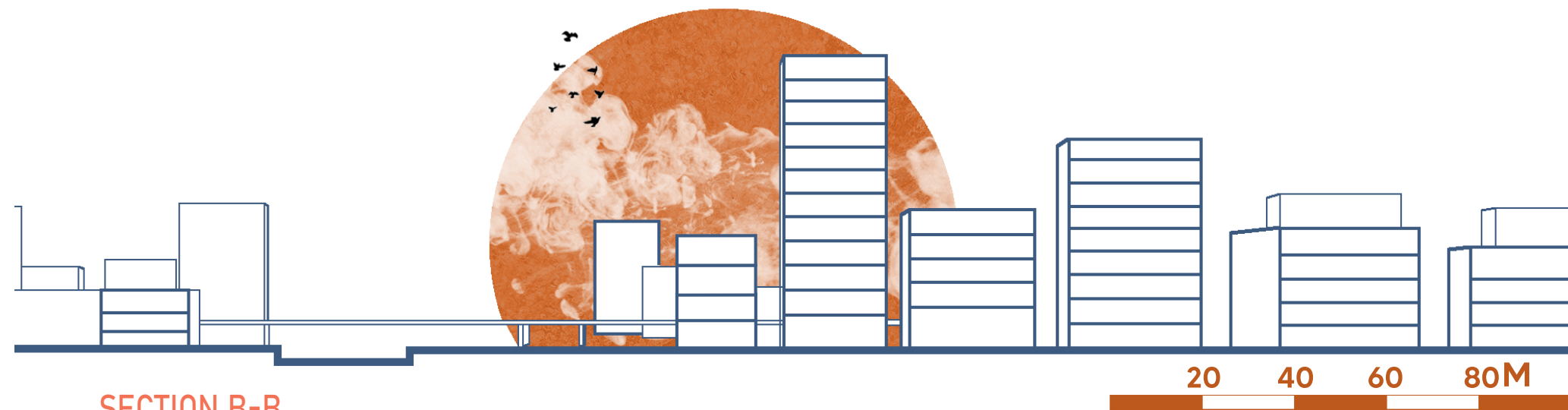


SECOND FLOOR / ROOF





SECTION A-A



SECTION B-B



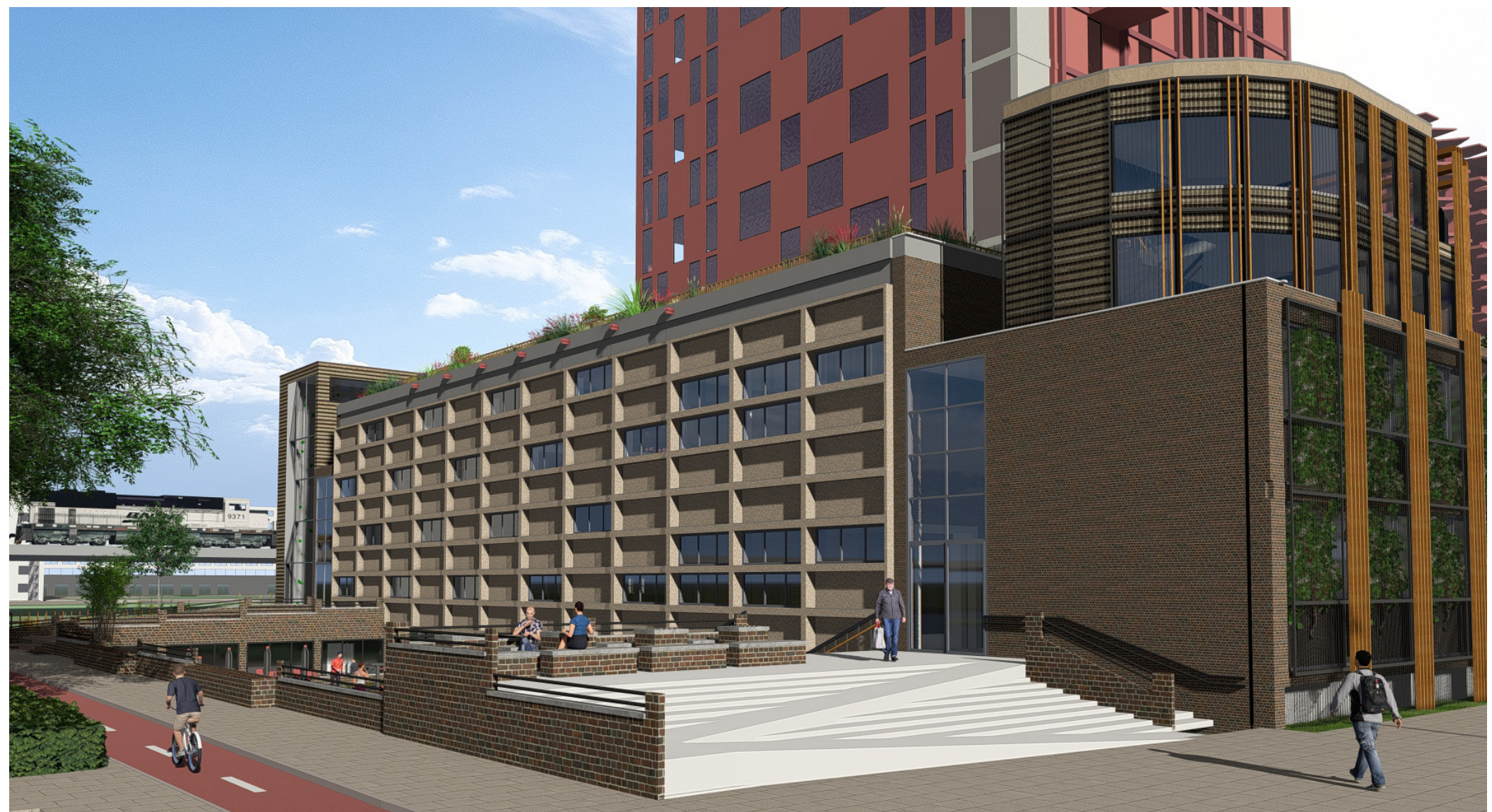
NORTH - EAST FACADE BEFORE



NORTH - EAST FACADE AFTER



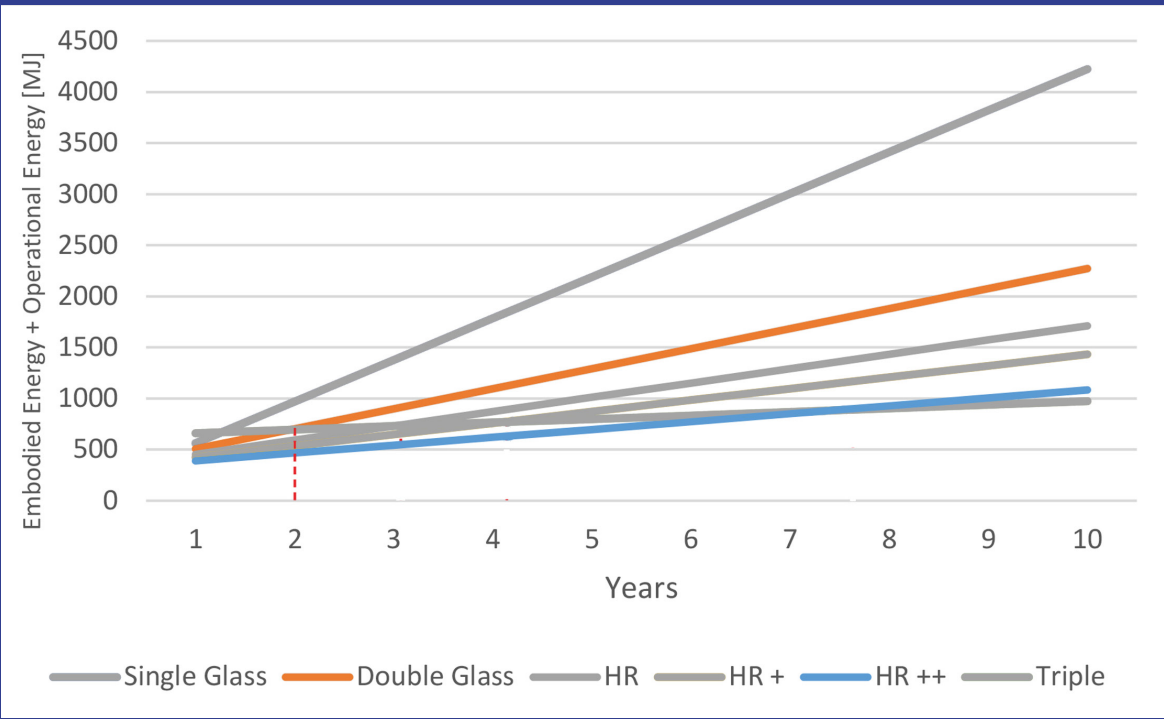
NORTH - WEST FACADE BEFORE



NORTH - WEST FACADE AFTER

RESEARCH CONCLUSIONS

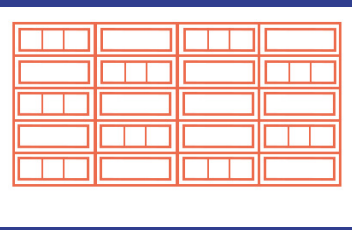
WINDOW REPLACEMENT



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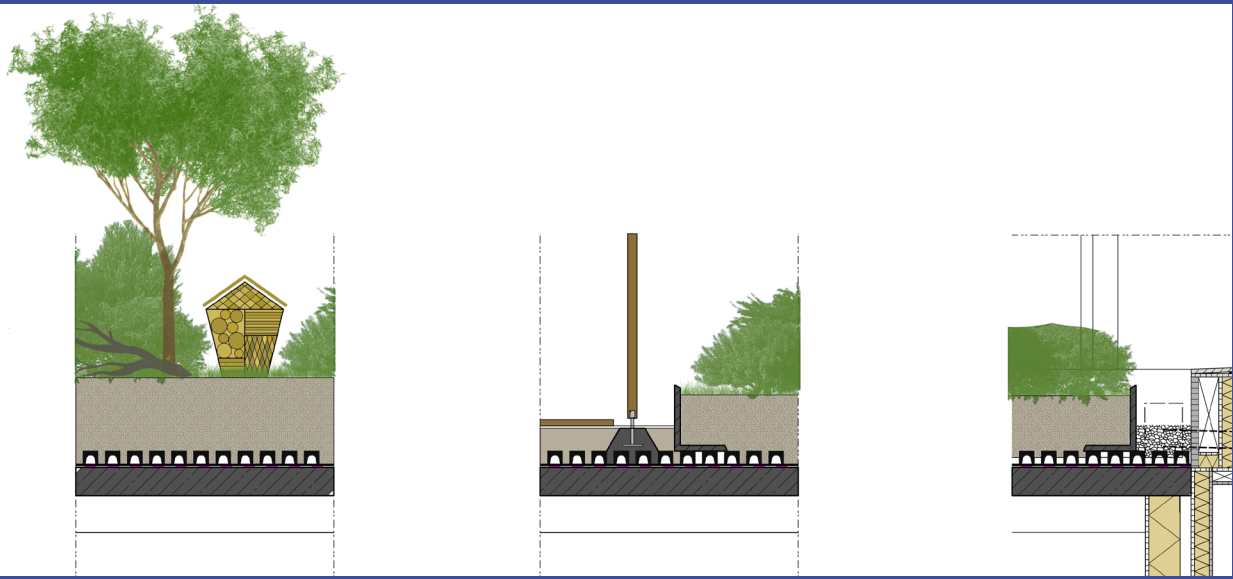
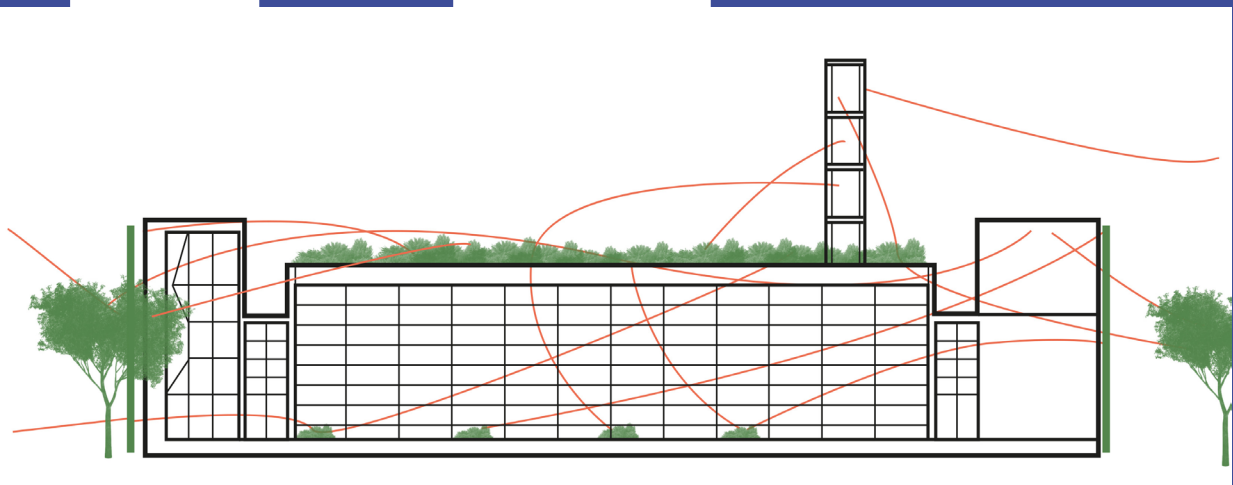


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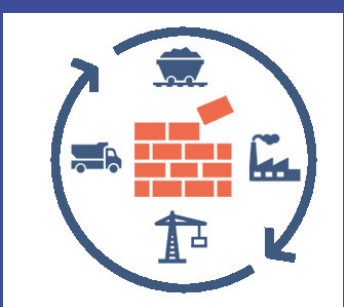


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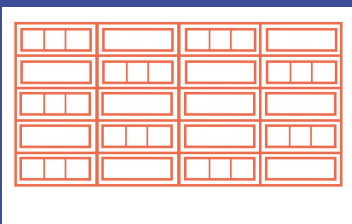
PASSIVE COOLING



+

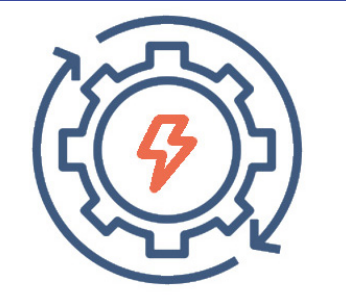
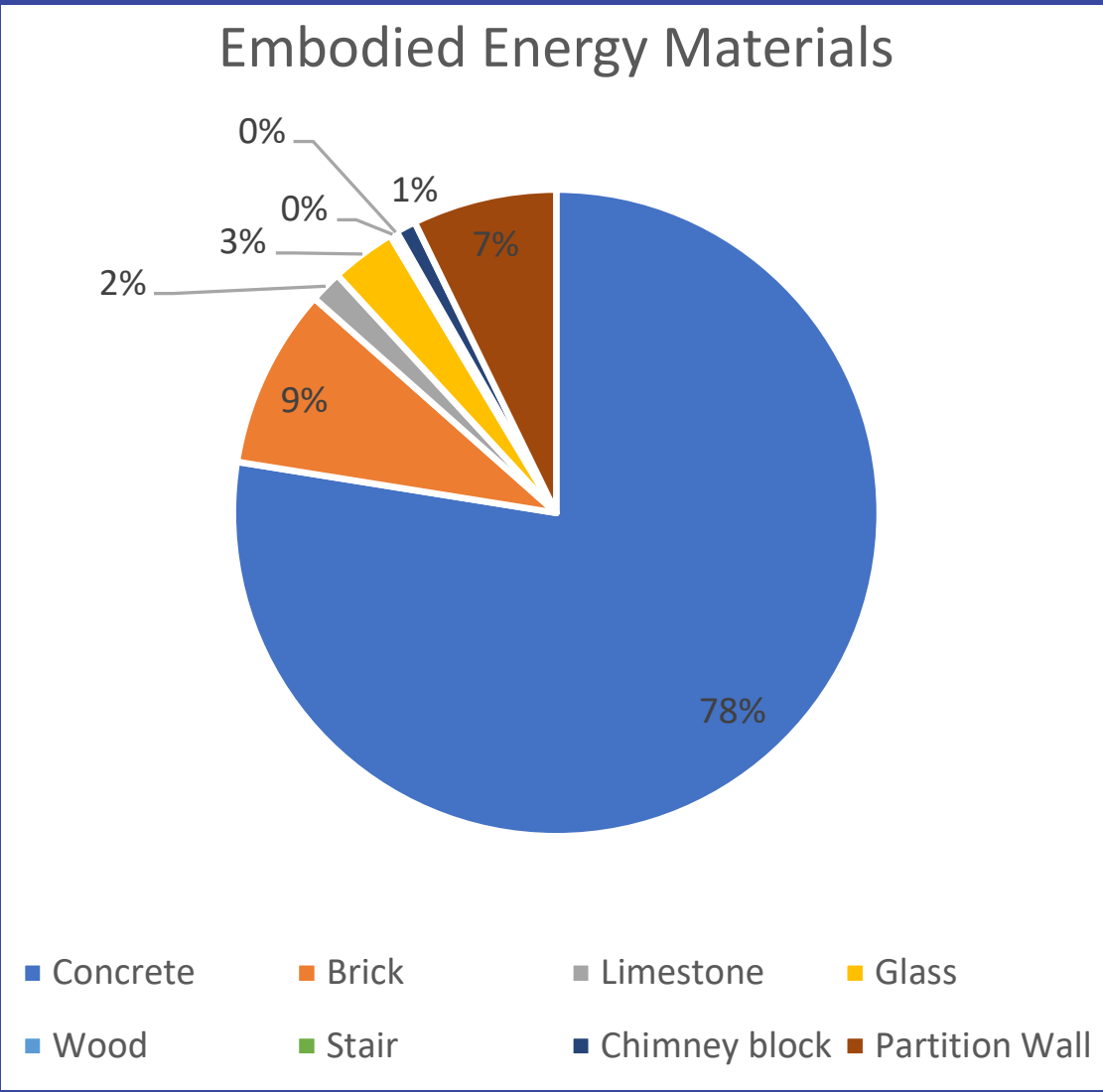


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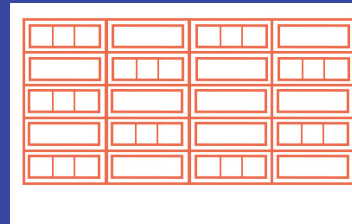
PRESERVE HIGH E.E MATERIALS



+/-



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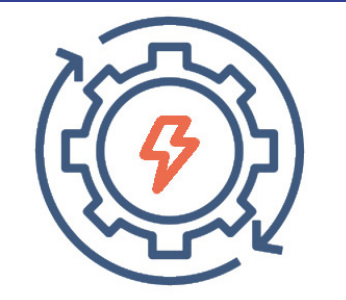
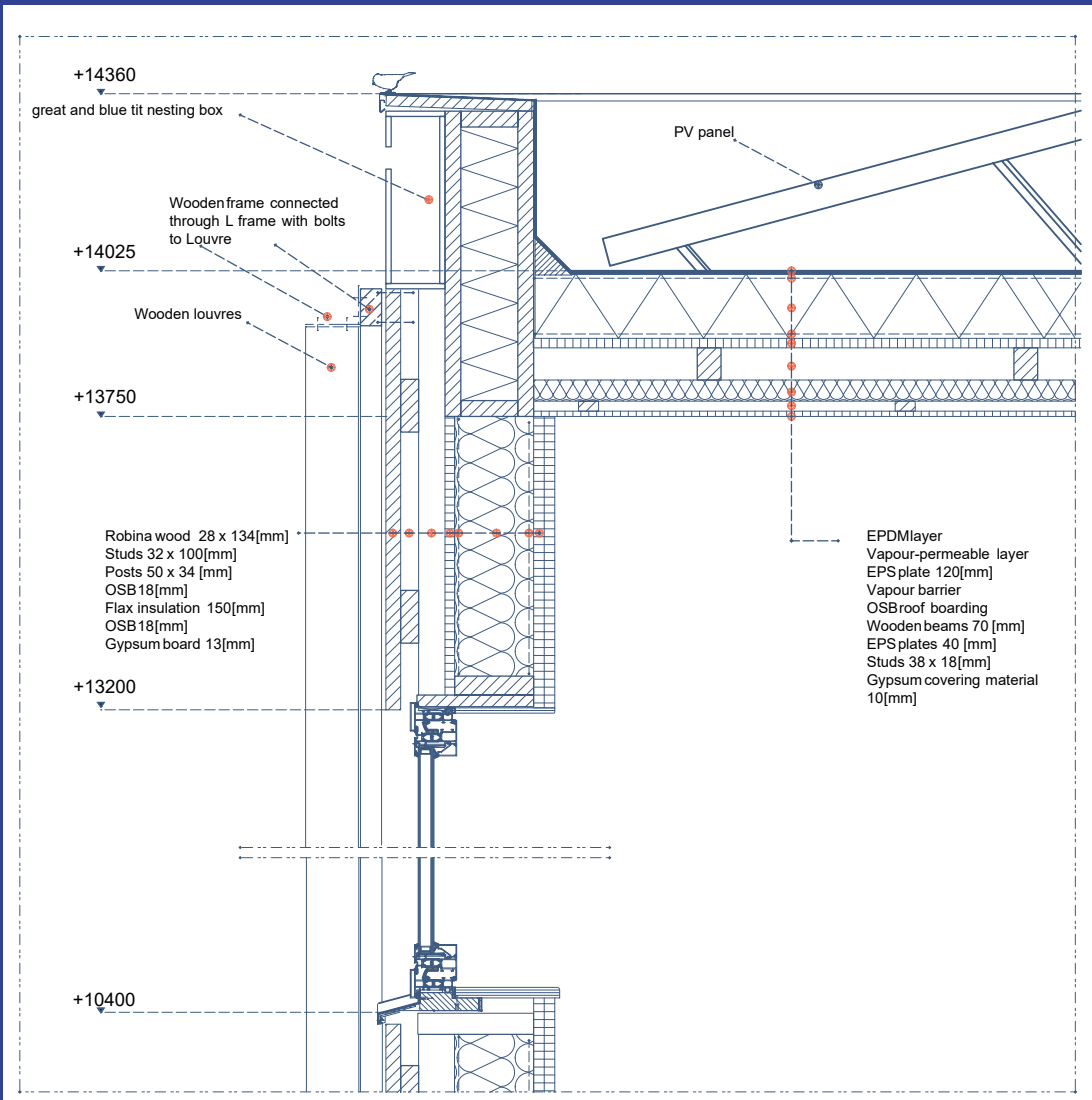


+/-

RENEWABLE ENERGY

Total of 49 PV panels
Area = 83.3 m²

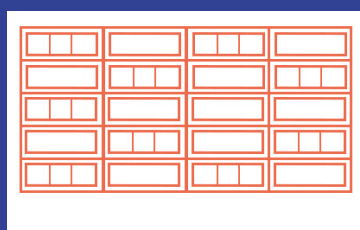
Total = 37.4585 kwh/Year



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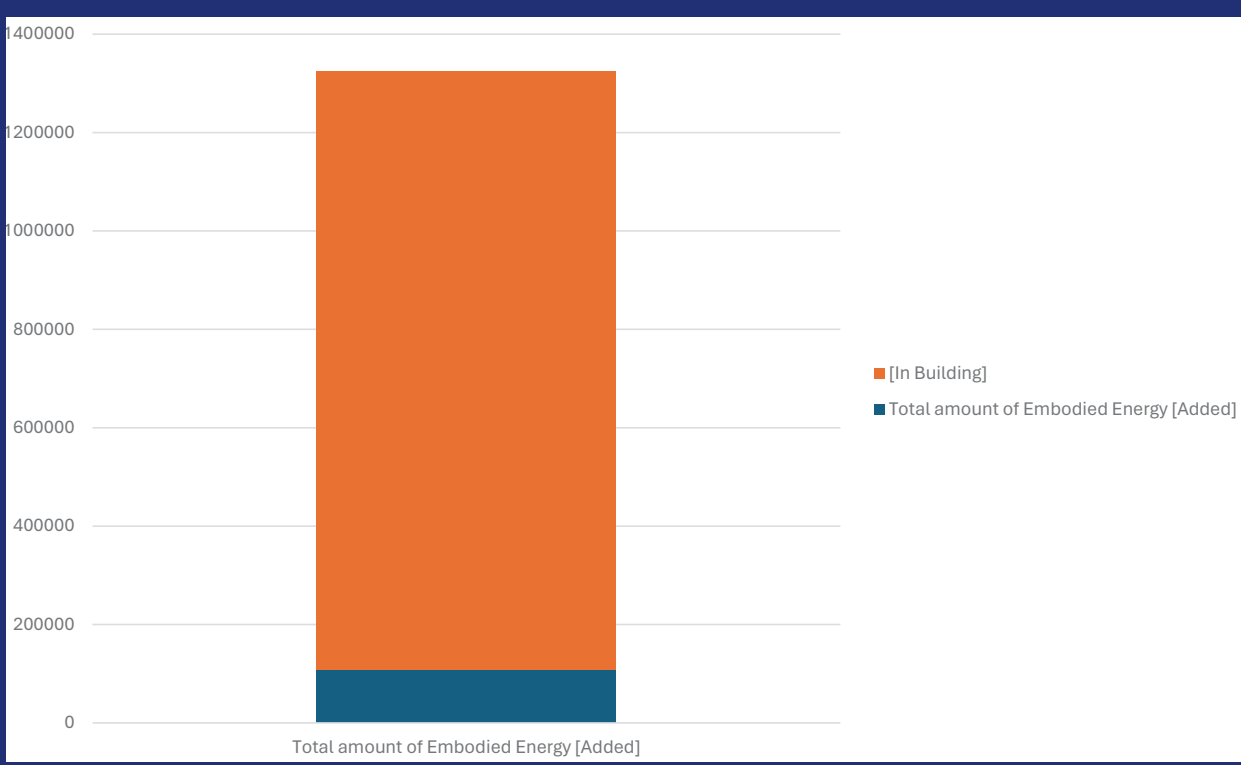


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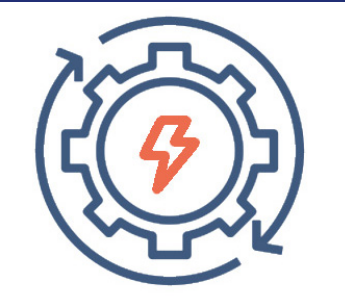
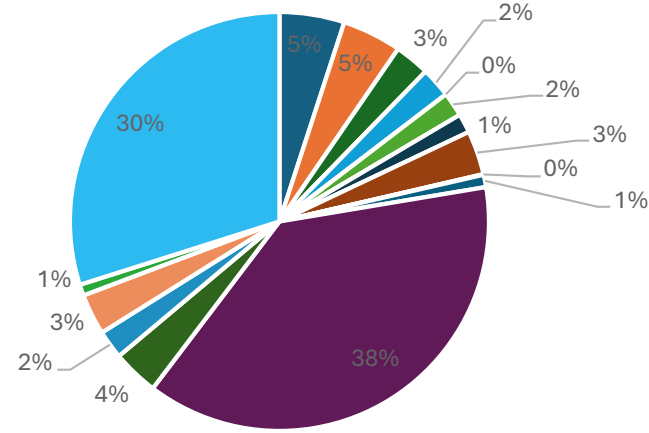


+/-

ADD SUSTAINABLE MATERIALS



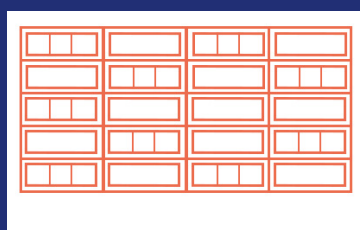
Total Embodied Energy



+/-

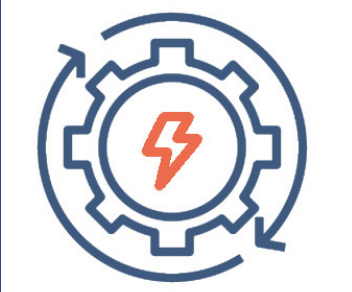
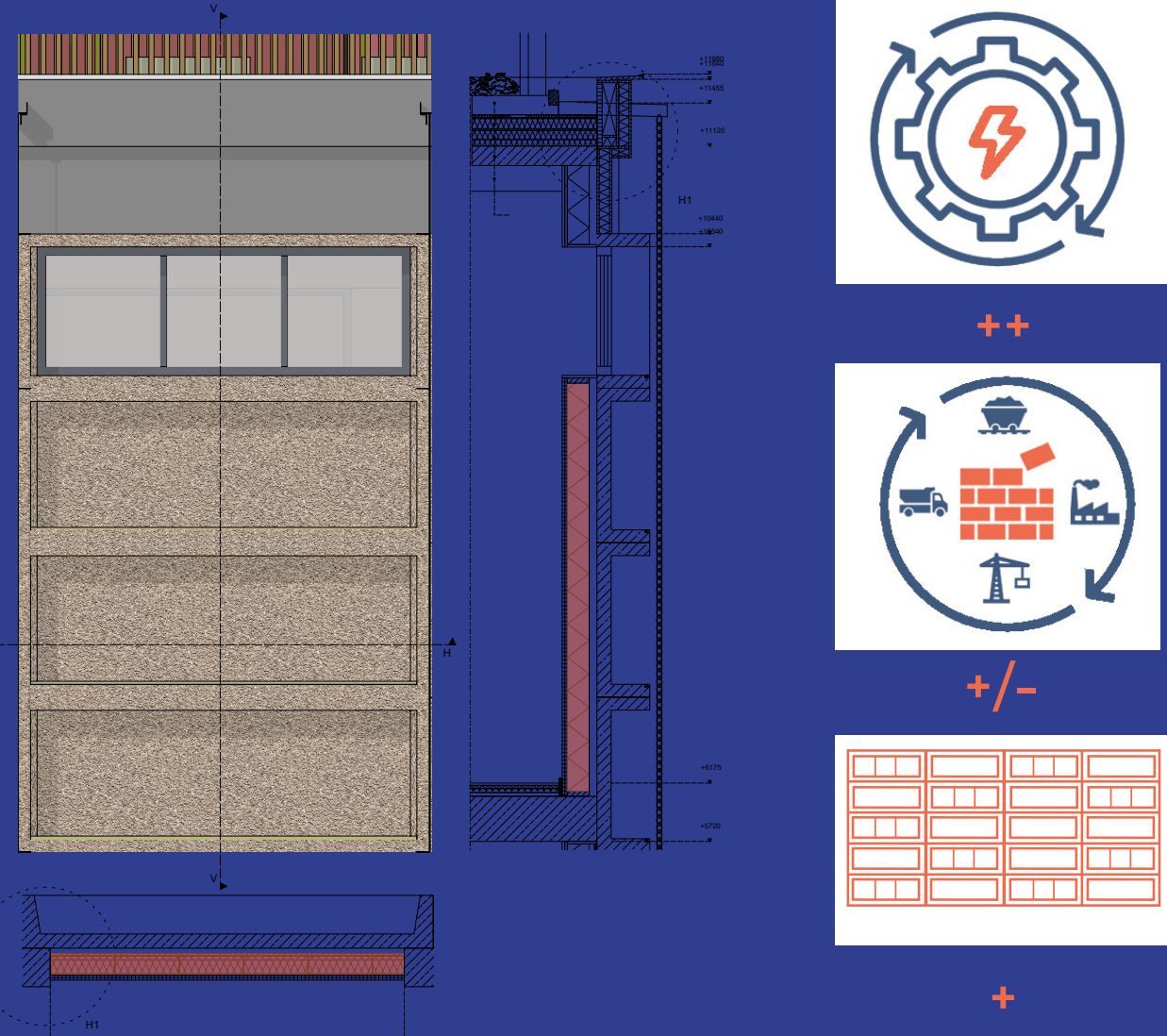


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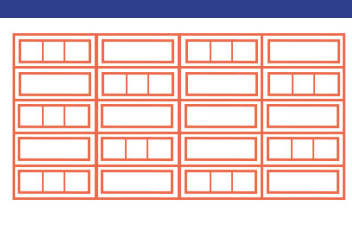
INTERNAL INSUALTION



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REUSE OF BRICKS

Total amount of 'reusable brick = 36 [m³]

Within the direct context I am able to reuse 64% for a new purpose

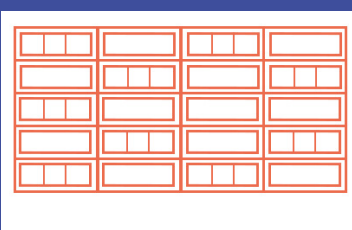
23 [m³] will be used as boarding alongside the Sportsarena and entrances of 'De Centrale'



+/-



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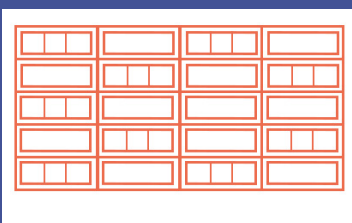
SMART SERVICES



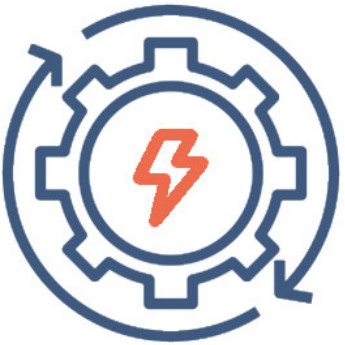
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+/-

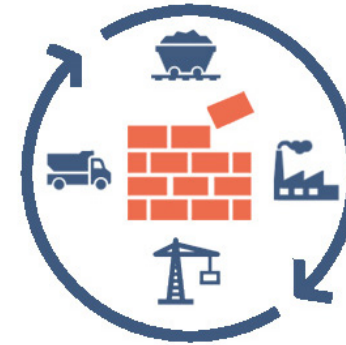


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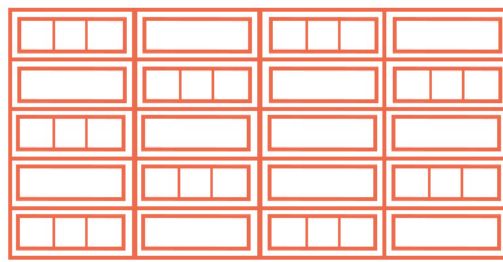
EMBODIED ENERGY

INCREASE OF 9.8%



OPERATIONAL ENERGY

DECREASES TO 21%



HERITAGE

POSITIVE IMPACT
PRESERVATION OF VALUES