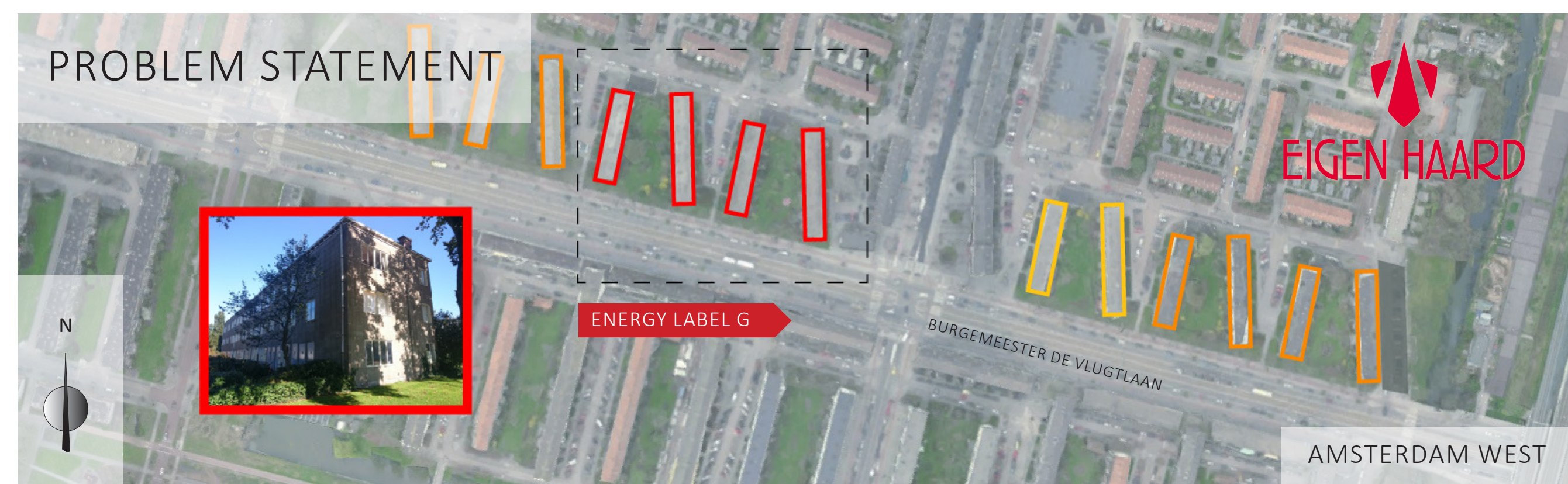


Sustainable Renovation Project for Social Housing in Amsterdam West

VISION FOR THE RENOVATION OF THE NEMAVO-AIREY DWELLINGS, AMSTERDAM WEST (CONSERVATION AREA)

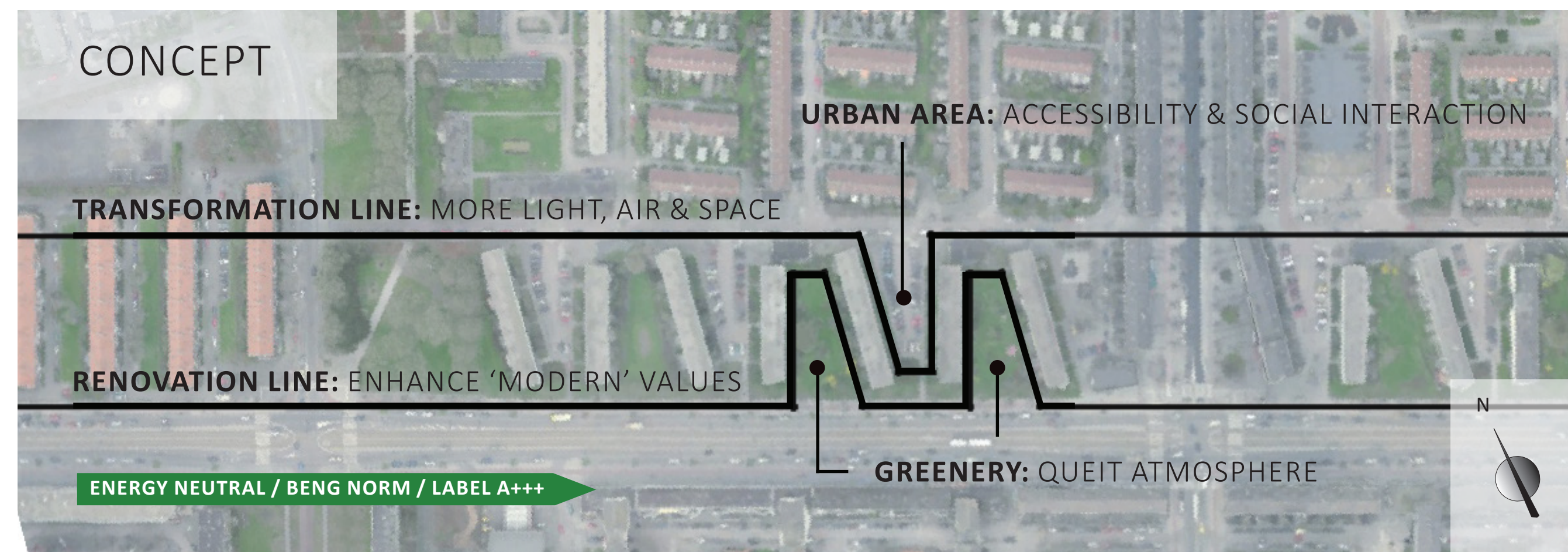
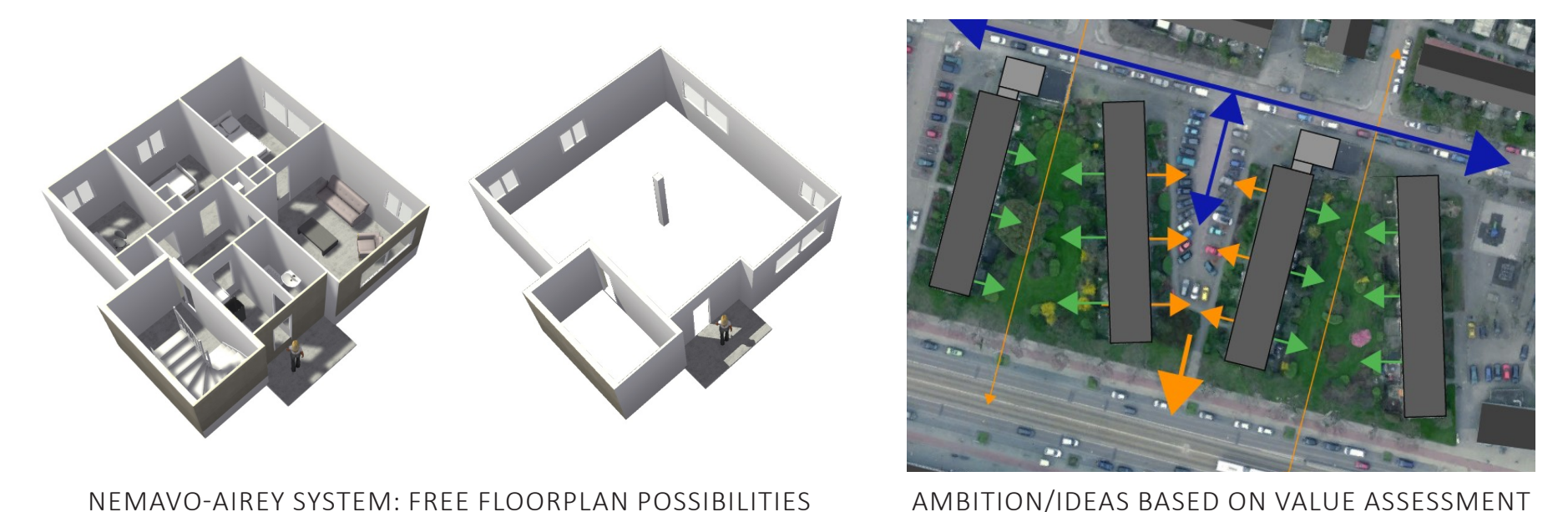
UPGRADING COMFORT AND IMPROVING PUBLIC SPACE BY A ZERO ENERGY RENOVATION OF THE NEMAVO-AIREY DWELLINGS IN AMSTERDAM WEST
 CREATING ADVANCED METROPOLITAN SOLUTIONS FOR THE COMPLEX CHALLENGES THE CONSERVATION AREA OF AMSTERDAM WEST IS FACING. NOW AND IN THE NEAR FUTURE



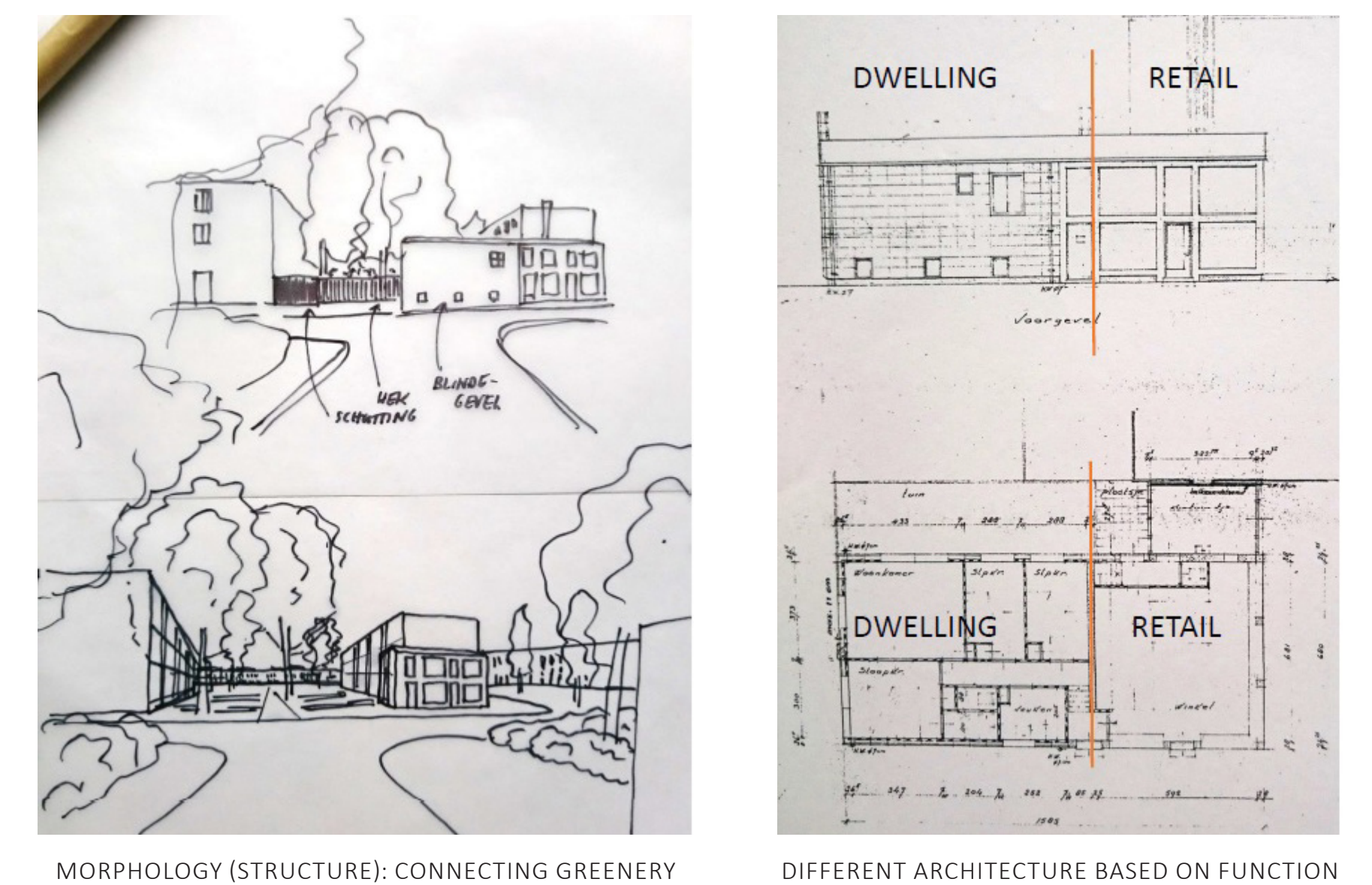
STRENGTHS	WEAKNESSES
<ul style="list-style-type: none"> morphology (structure) open building blocks & greenery location Burgemeester de Vlugtlaan & close to city centre main construction good enough to preserve mentality intangibile & Van Eesterde museum 	<ul style="list-style-type: none"> high energy consumption: label G cold - draught - noise pollution moisture problems disorganized parking situation small dwellings (not enough m²)

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OPPORTUNITIES	THREATS
<ul style="list-style-type: none"> social & historical values General Extension Plan & Modern Movement authenticity & identity modernity: plasticity - grid - facade panels Nemavo-Airey building system: construction in facade: free floorplan monumentality (material object) governmental tax incentives or subsidies 	<ul style="list-style-type: none"> social housing target group: existing tenants conservation area 'commissie van welstand' retreatability quality of existing materials housing association different interests

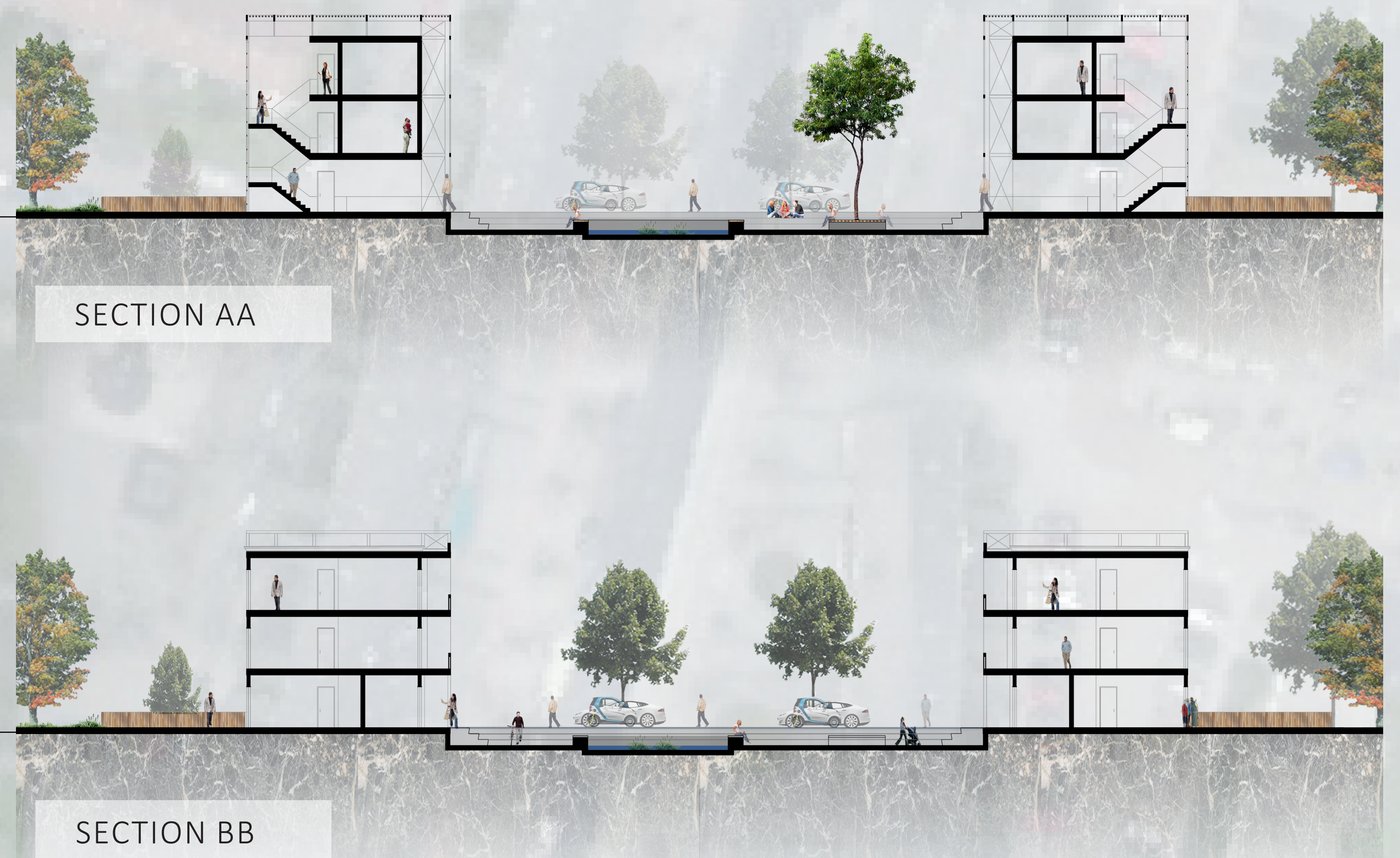


DWELLINGS FIRST AND SECOND FLOOR	Existing situation (m ²)	Requirements 1994 (m ²)	Requirements 2015 (m ²)
Total surface	41	-	-
Living rooms, bedrooms & kitchen	49,2	38,5	18
Living rooms	26,5	16	21
Bedrooms in total	20,2	18,5	19
Bedrooms 1	11	9,5	5
Bedrooms 2	9,2	4,5	5
Bedrooms 3	8,0	4,5	5
Bathroom	2,9	1,6	2,6
Kitchen	4,5	4	5
Storage	4,5	5	5
Hallway	2,8	2	4

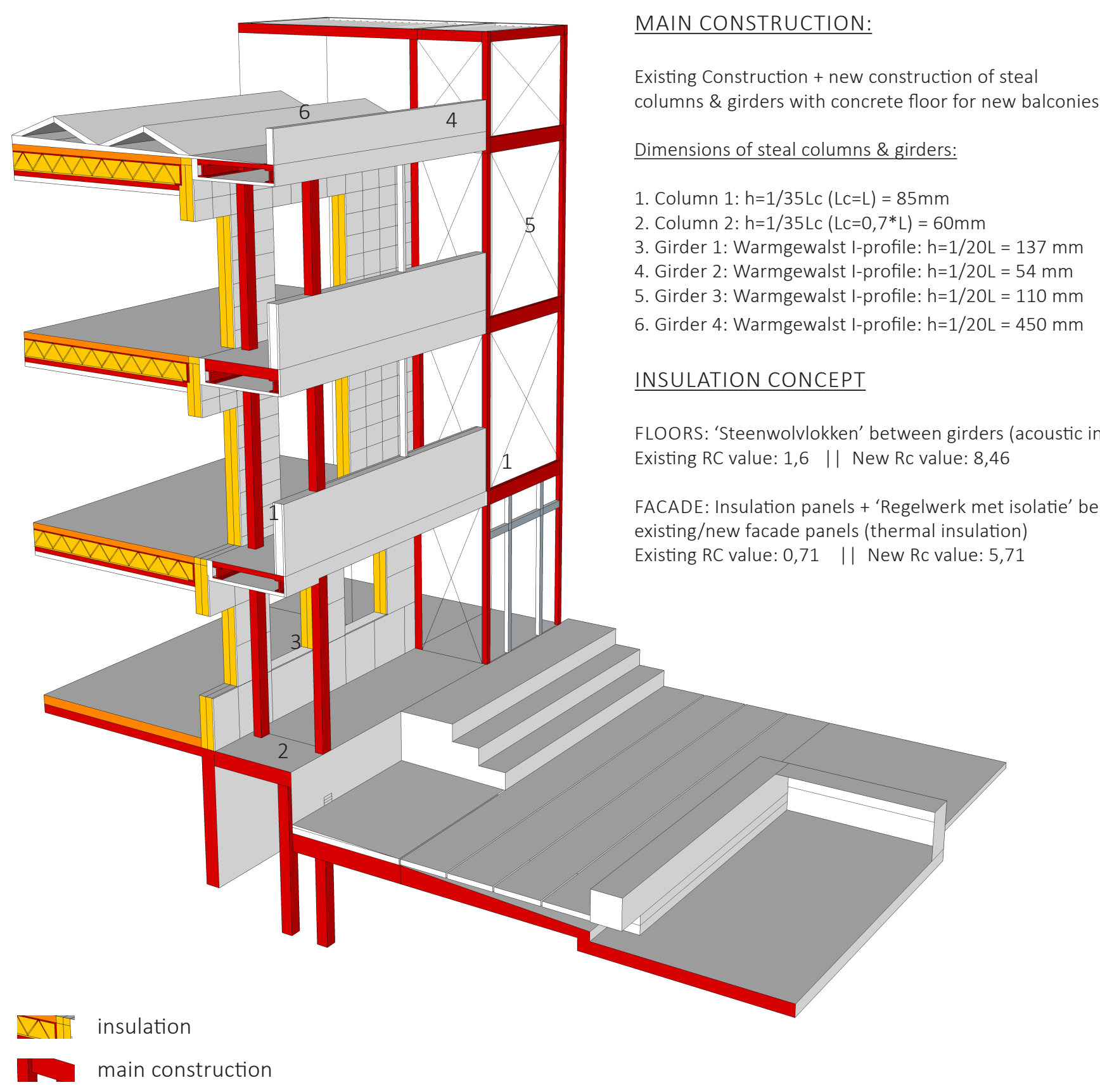


ARCHITECTURAL VISION: LIGHT, AIR & SPACE

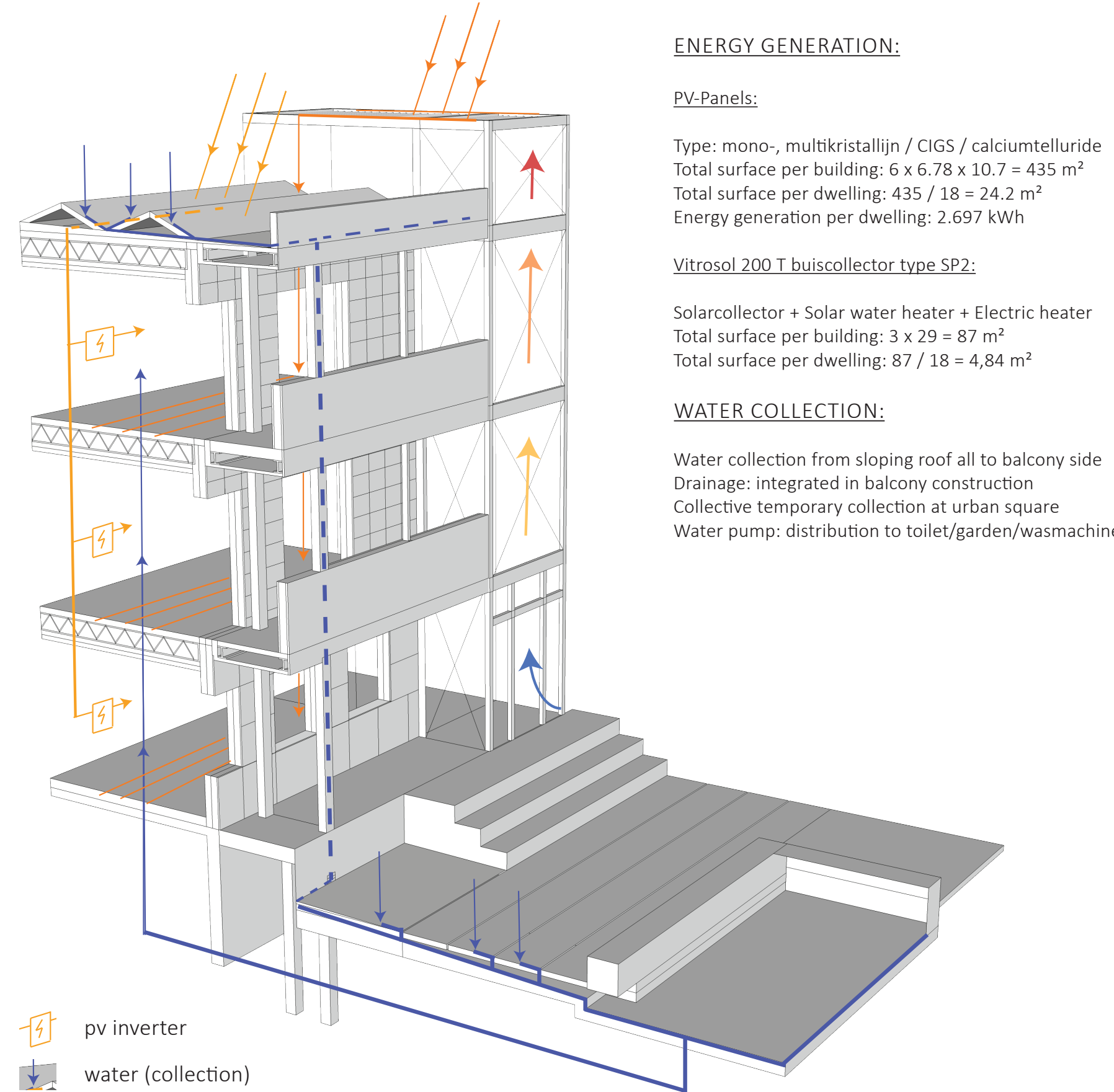
<p>EXISTING</p> <p>ARCHITECTURE: LOW PLASTICITY & REPETITION COMFORT: COLD, DRAUGHT, NOISE POLLUTION, MOISTURE SUSTAINABILITY: HIGH ENERGY CONSUMPTION: LABEL G</p>	<p>NEW ENTRANCES</p> <p>ARCHITECTURE: CLEAR STRUCTURE OF VERTICALITY GRID COMFORT: EMPHASIZE AND IMPROVE ACCESSIBILITY SUSTAINABILITY: INTEGRATED SOLAR COLLECTOR</p>	<p>NEW BALCONIES</p> <p>ARCHITECTURE: HORIZONTALITY & MORE PLASTICITY COMFORT: EXTENSION FOR EXTRA SQUARE METERS SUSTAINABILITY: NEW LAYER FOR INSULATION</p>	<p>NEW PUBLIC SPACE</p> <p>ARCHITECTURE: URBAN ATMOSPHERE BY MORE HEIGHT COMFORT: CLEAR DIVISION OF PRIVATE AND PUBLIC SPACES SUSTAINABILITY: WATER COLLECTION TO REUSE</p>
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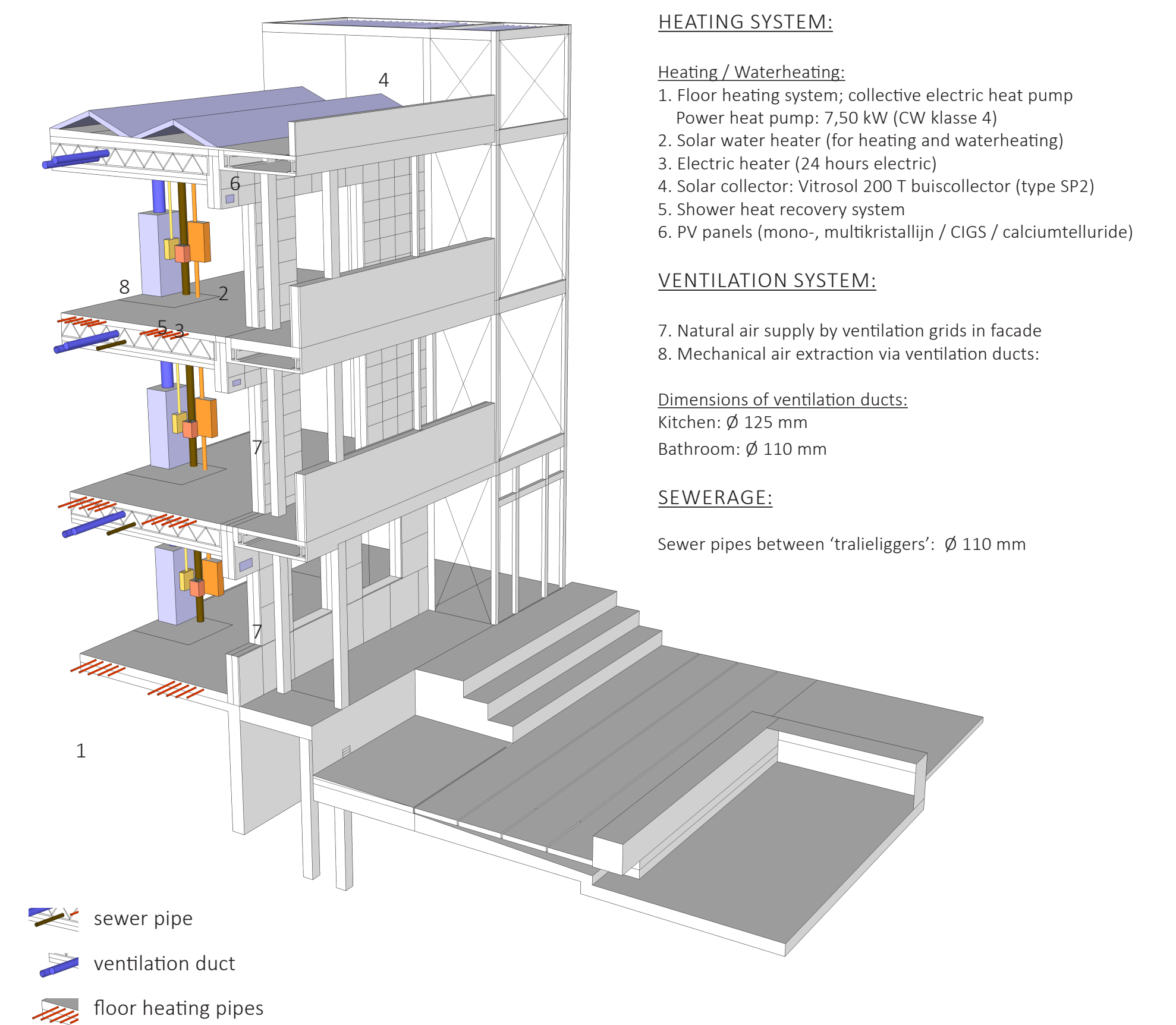
EXISTING & NEW: FLOORPLANS - FACADES- IMPRESSIONS



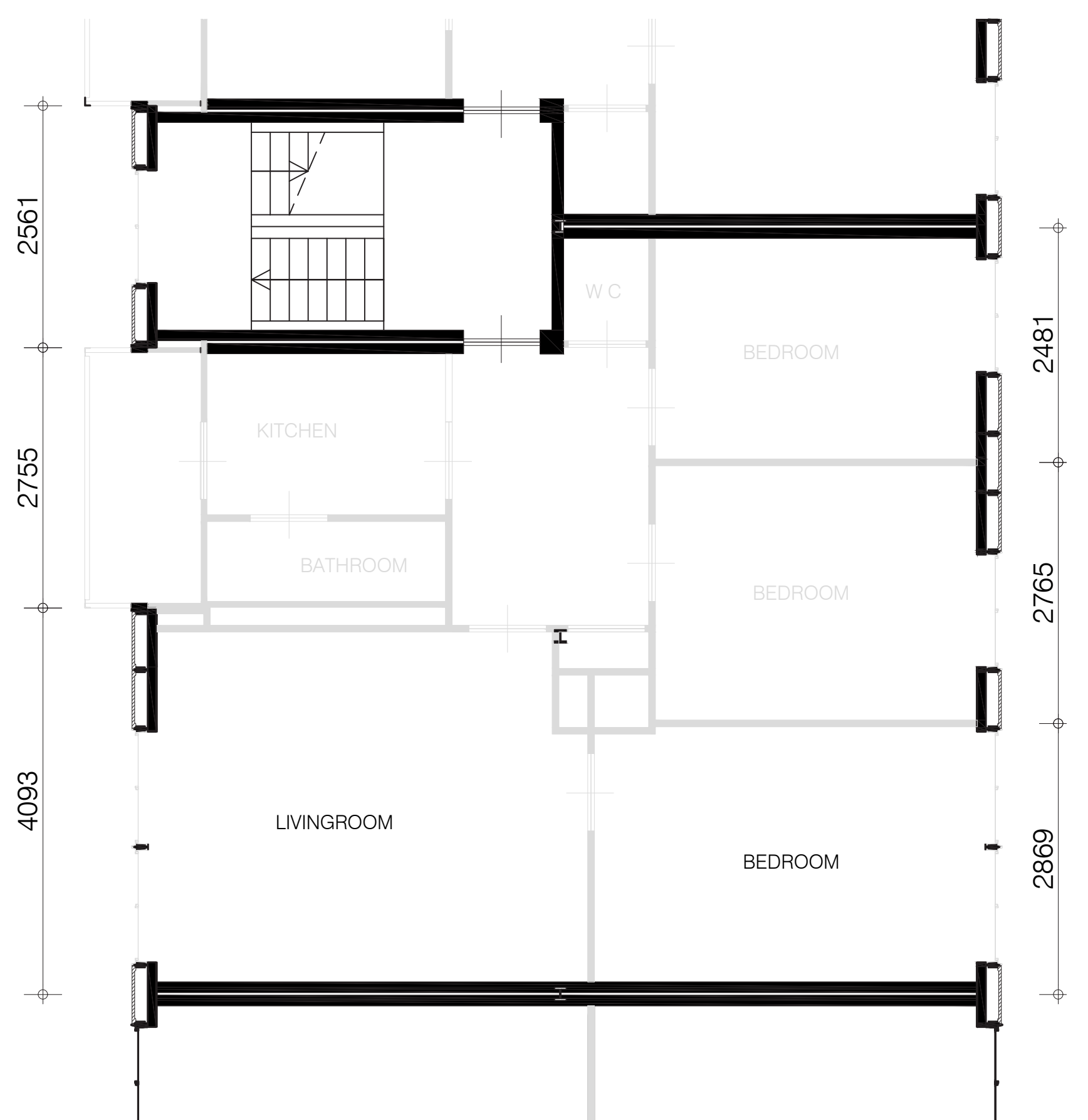
INSULATION CONCEPT & MAIN CONSTRUCTION



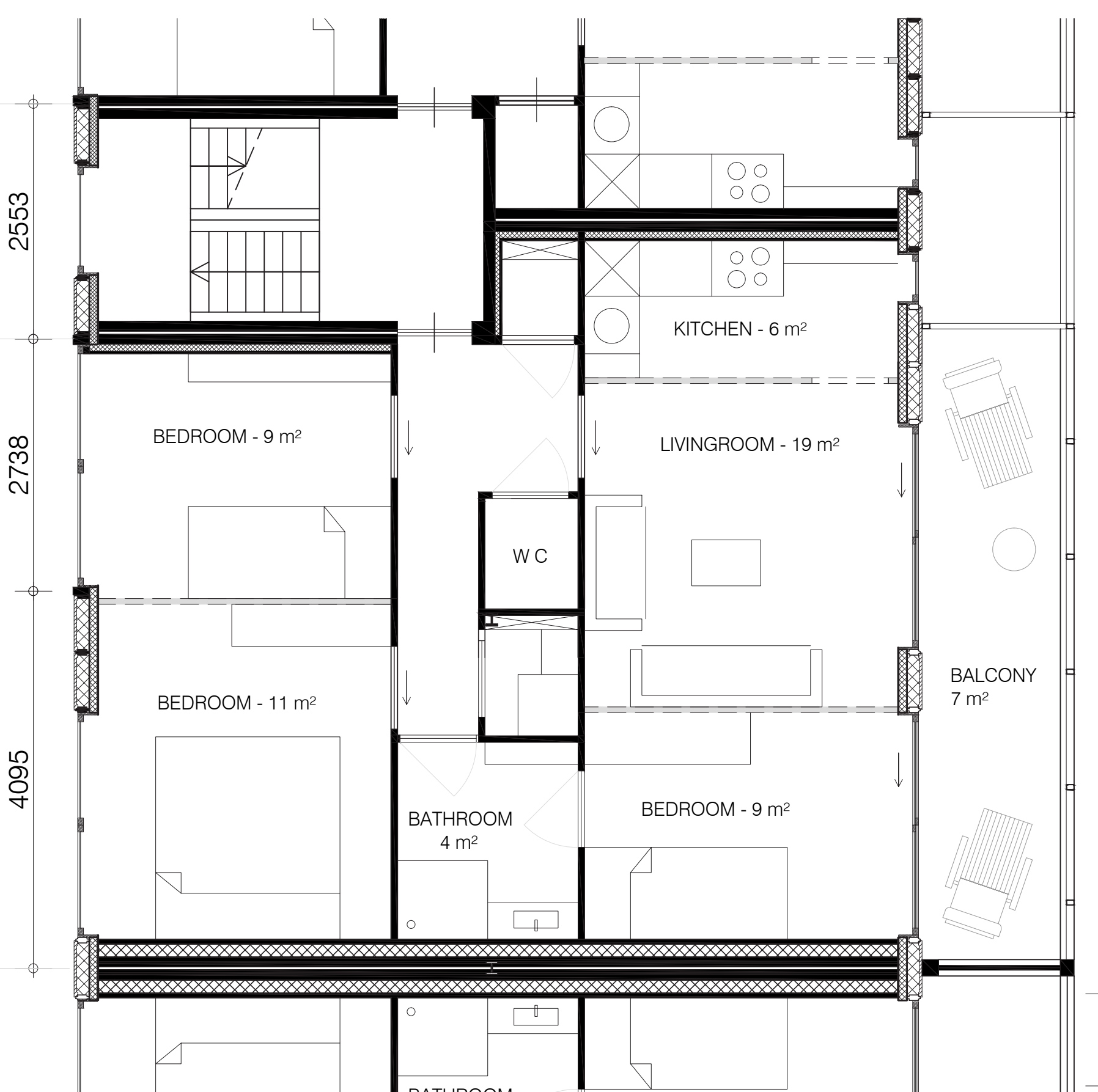
ENERGY GENERATION & WATER COLLECTION SYSTEM



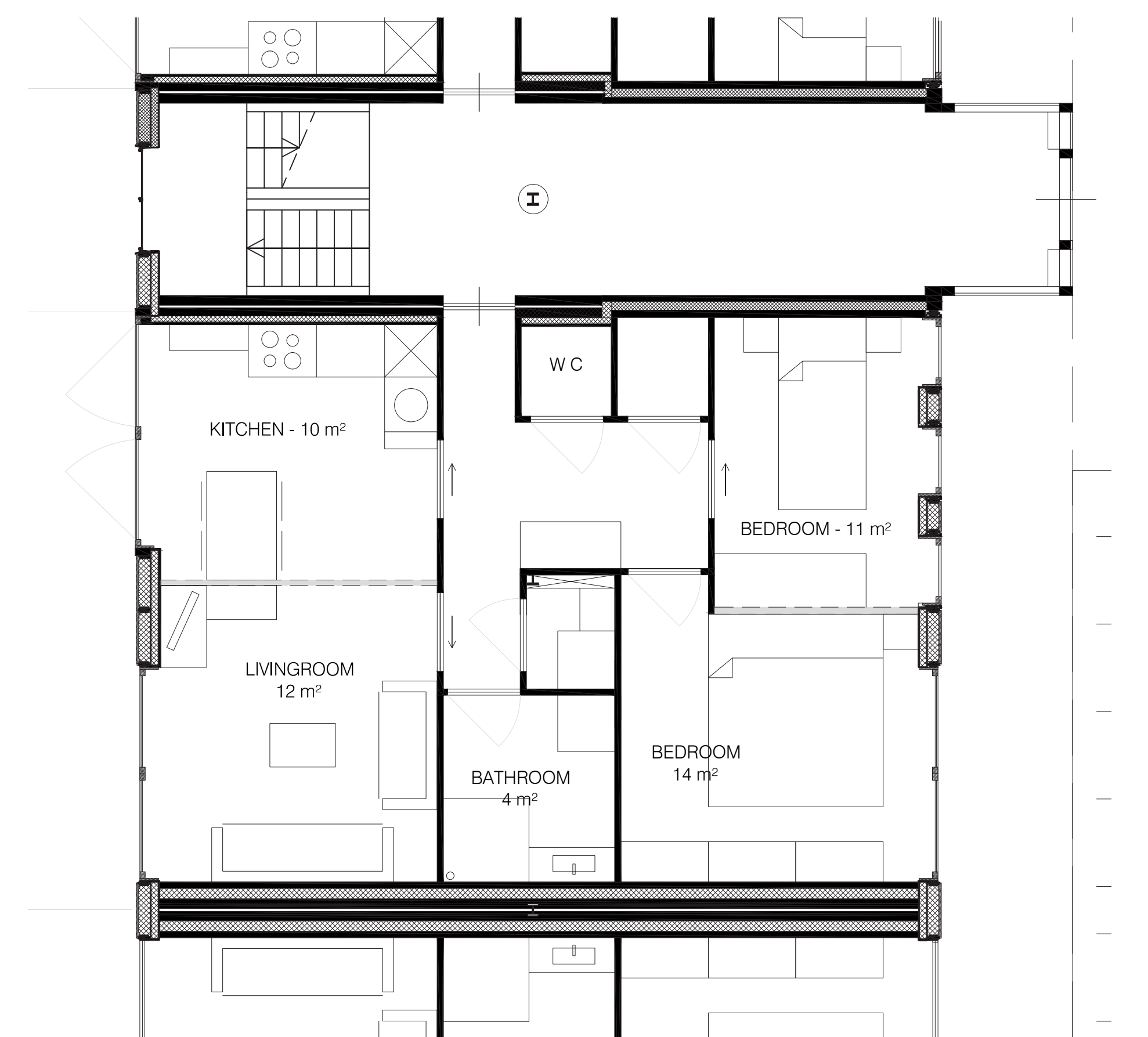
ALL ELECTRIC: VENTILATION & HEATING - SEWERAGE



EXISTING FLOORPLANS LEVEL 1 & 2 - SCALE 1:50



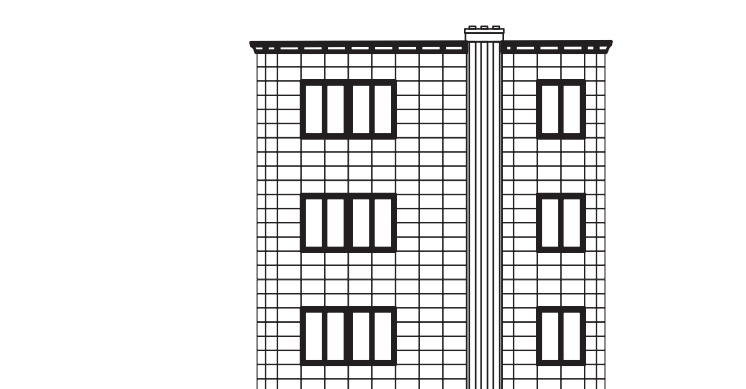
NEW FLOORPLAN LEVEL 1 & 2 - 1:50



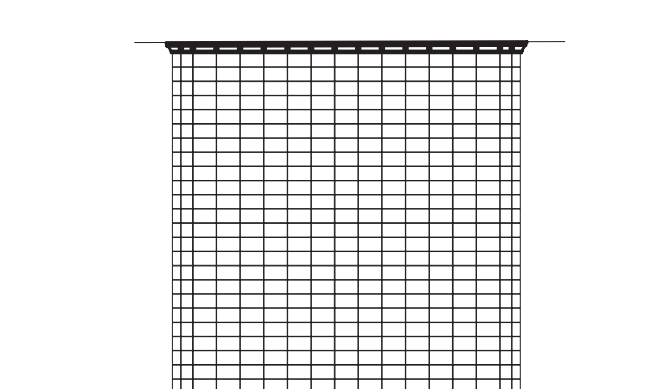
NEW FLOORPLAN GROUND FLOOR - 1:50



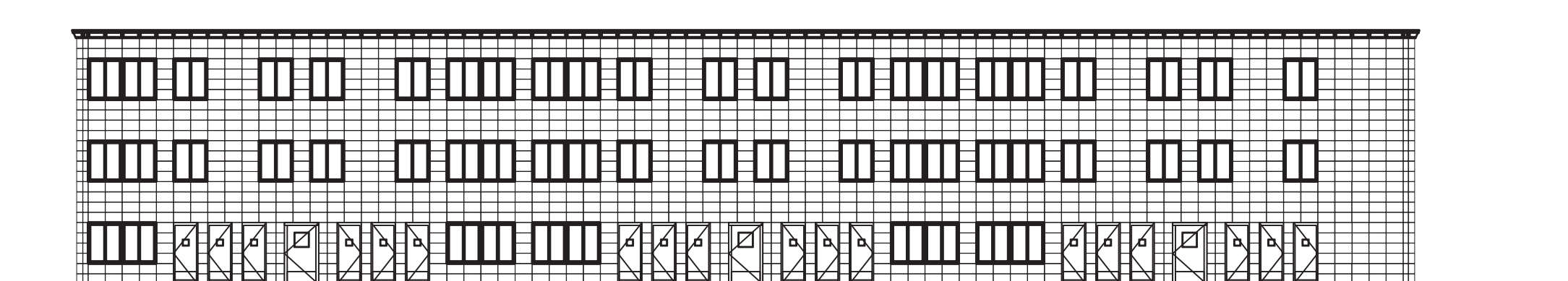
EXISTING WEST FACADE



SOUTH FACADE



NORTH FACADE



EXISTING EAST FACADE



NEW WEST FACADE



SOUTH FACADE



NORTH FACADE



NEW EAST FACADE

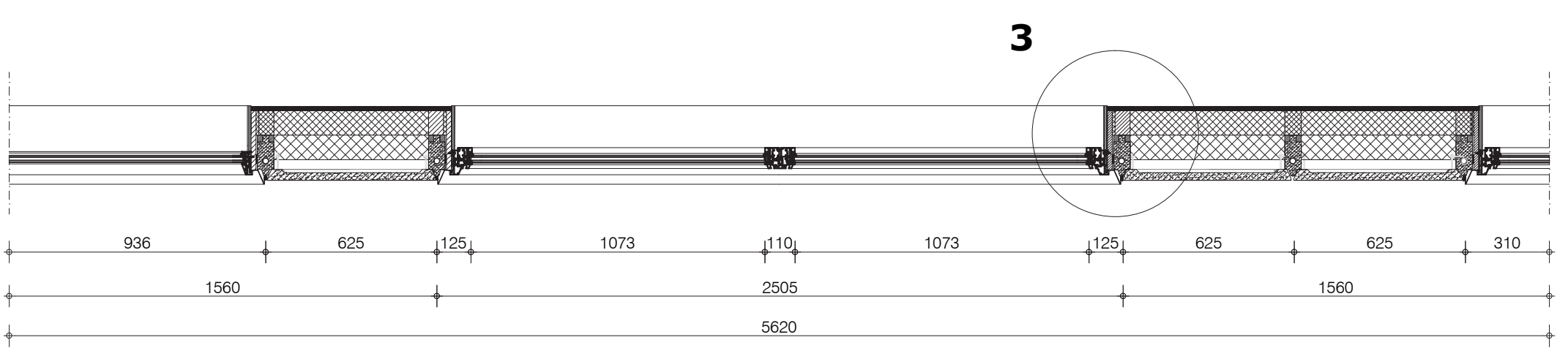


IMPRESSION OF THE NEW BACK SIDE OF THE TWO NEMAVO-AIREY BUILDINGS

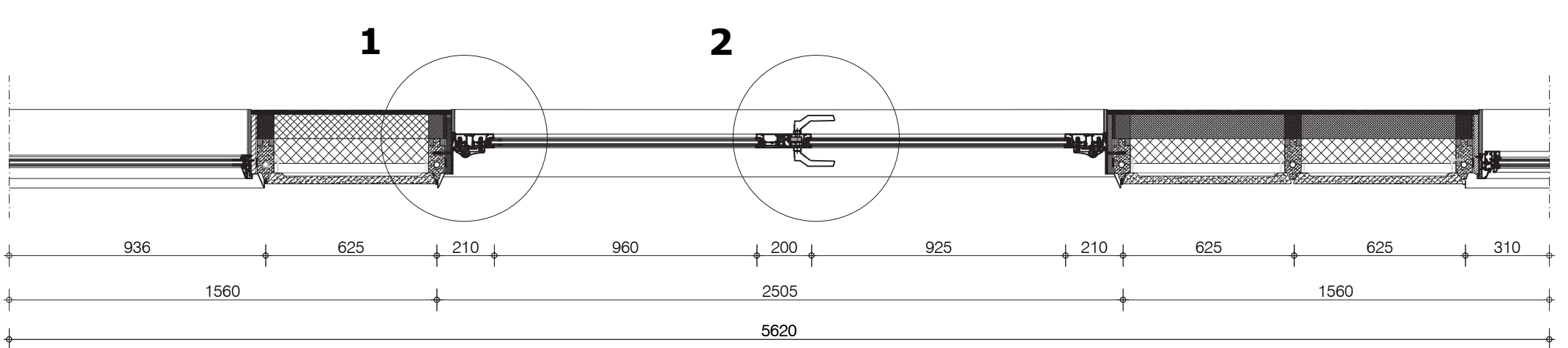


IMPRESSION OF THE NEW FRONT SIDE OF THE TWO NEMAVO-AIREY BUILDINGS

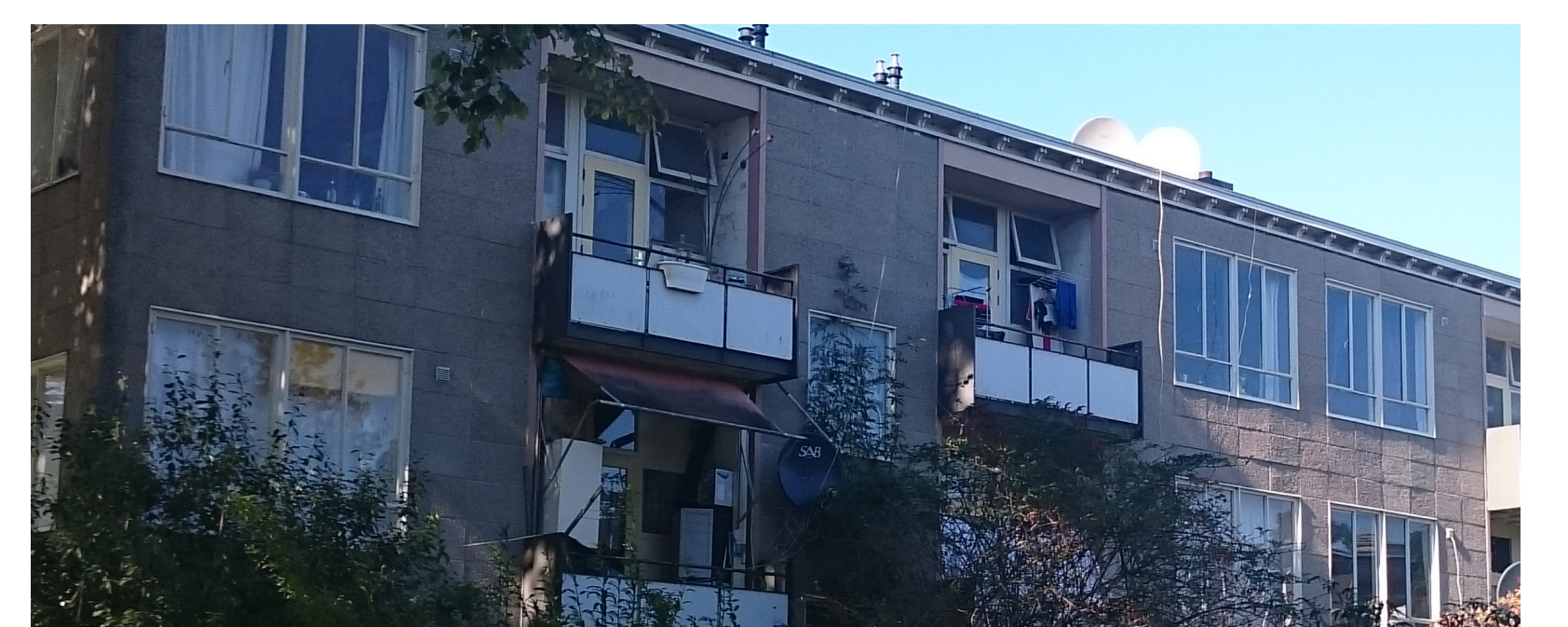
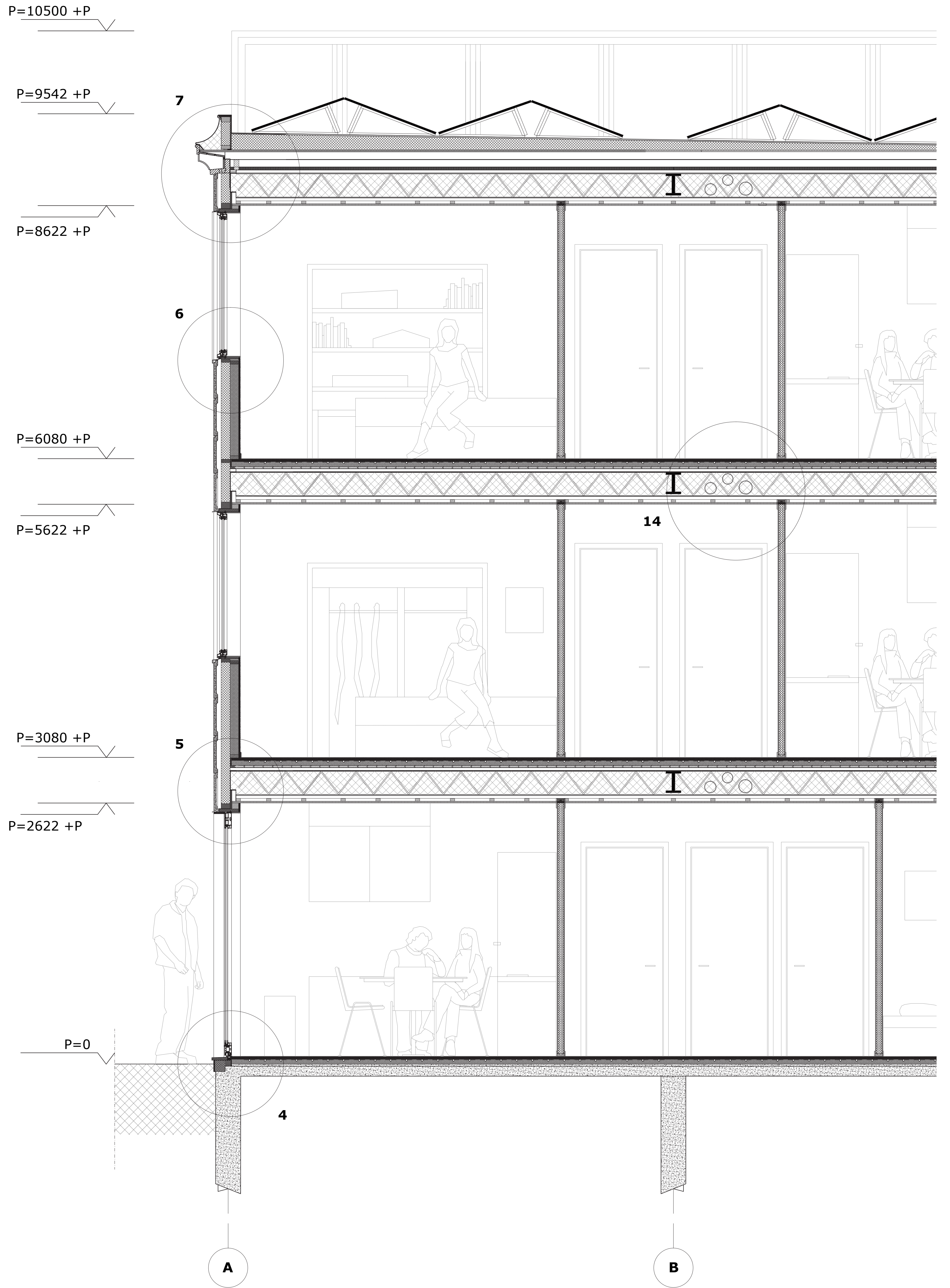
'BACK' FACADE IN DETAIL



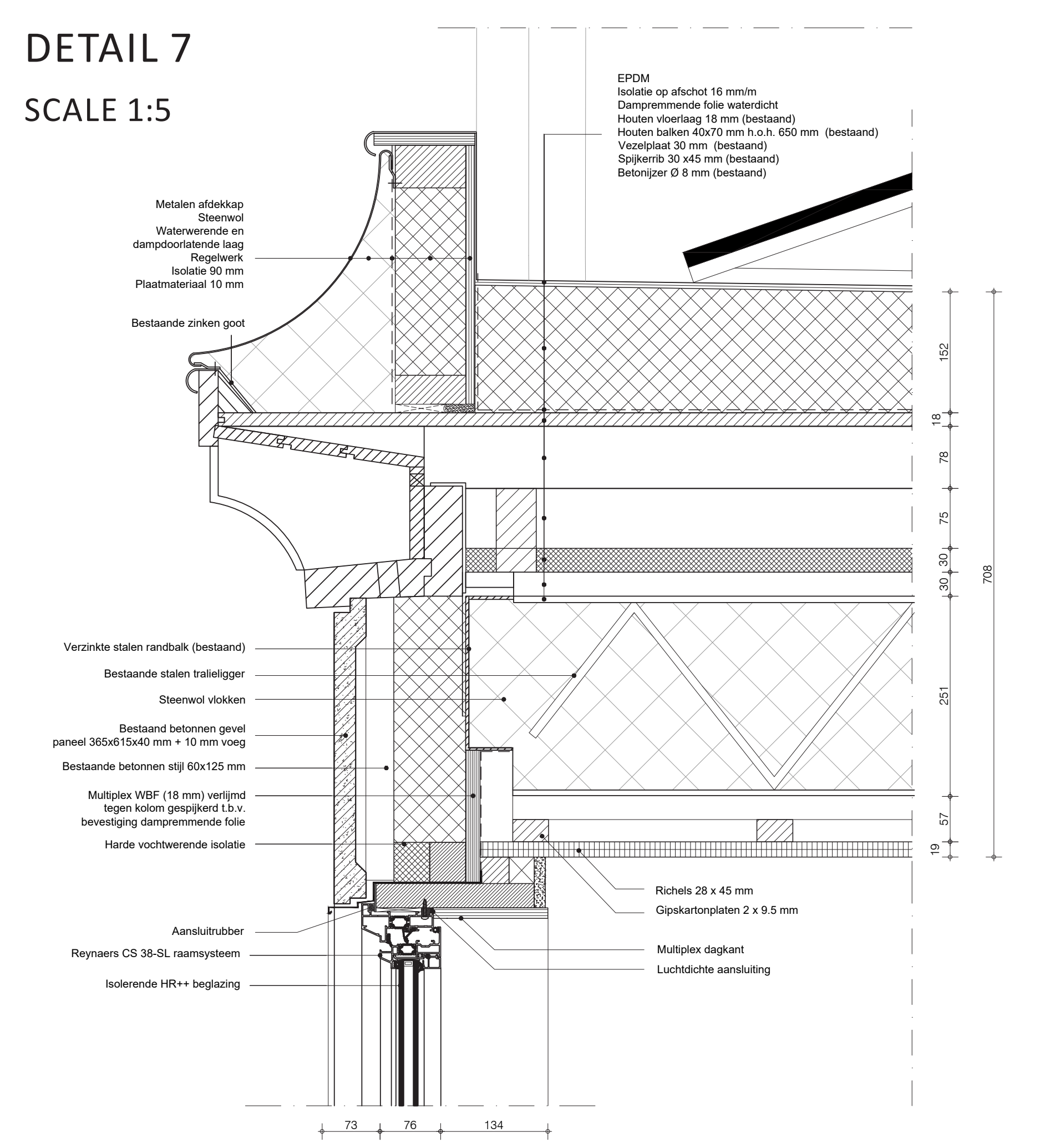
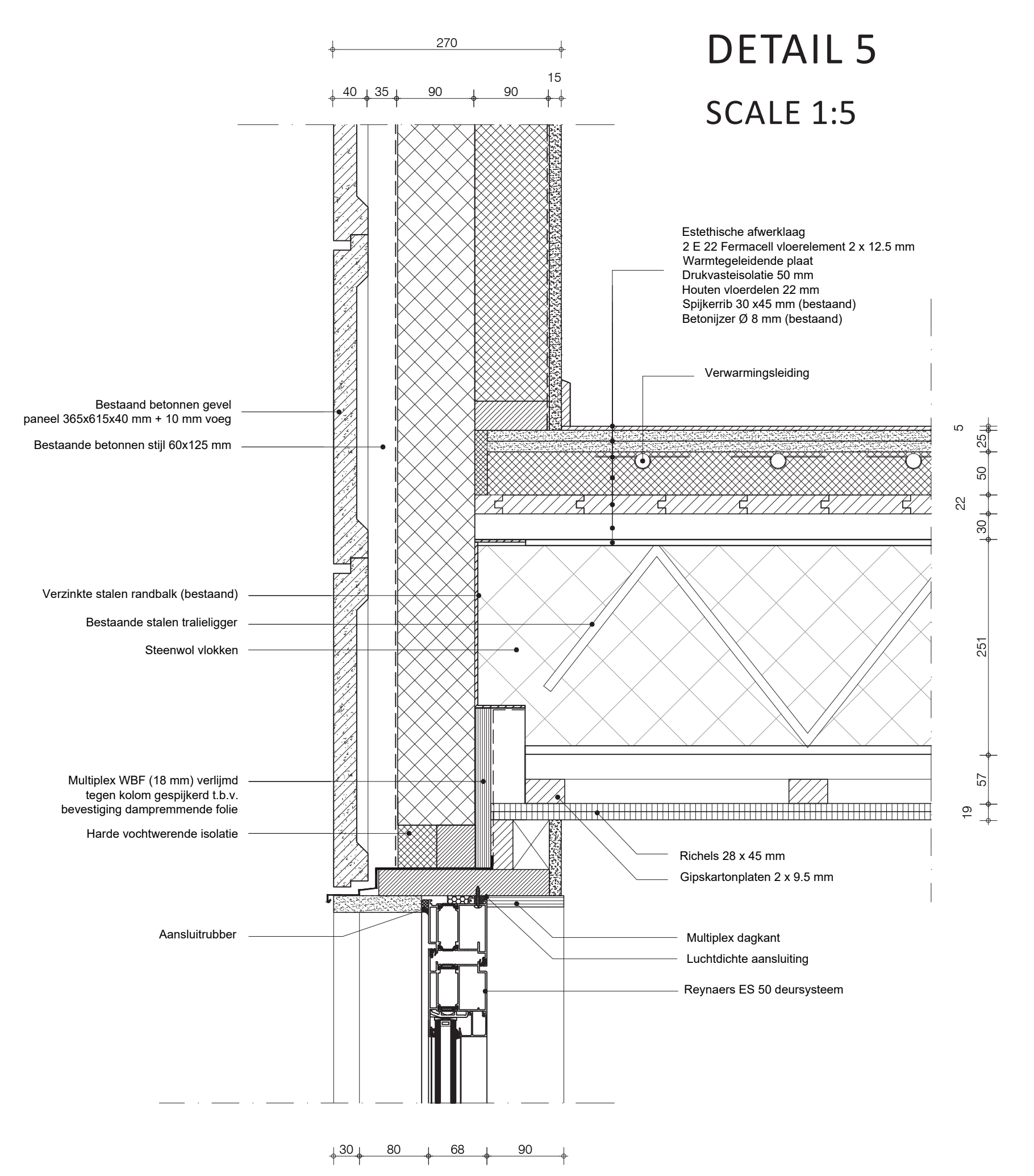
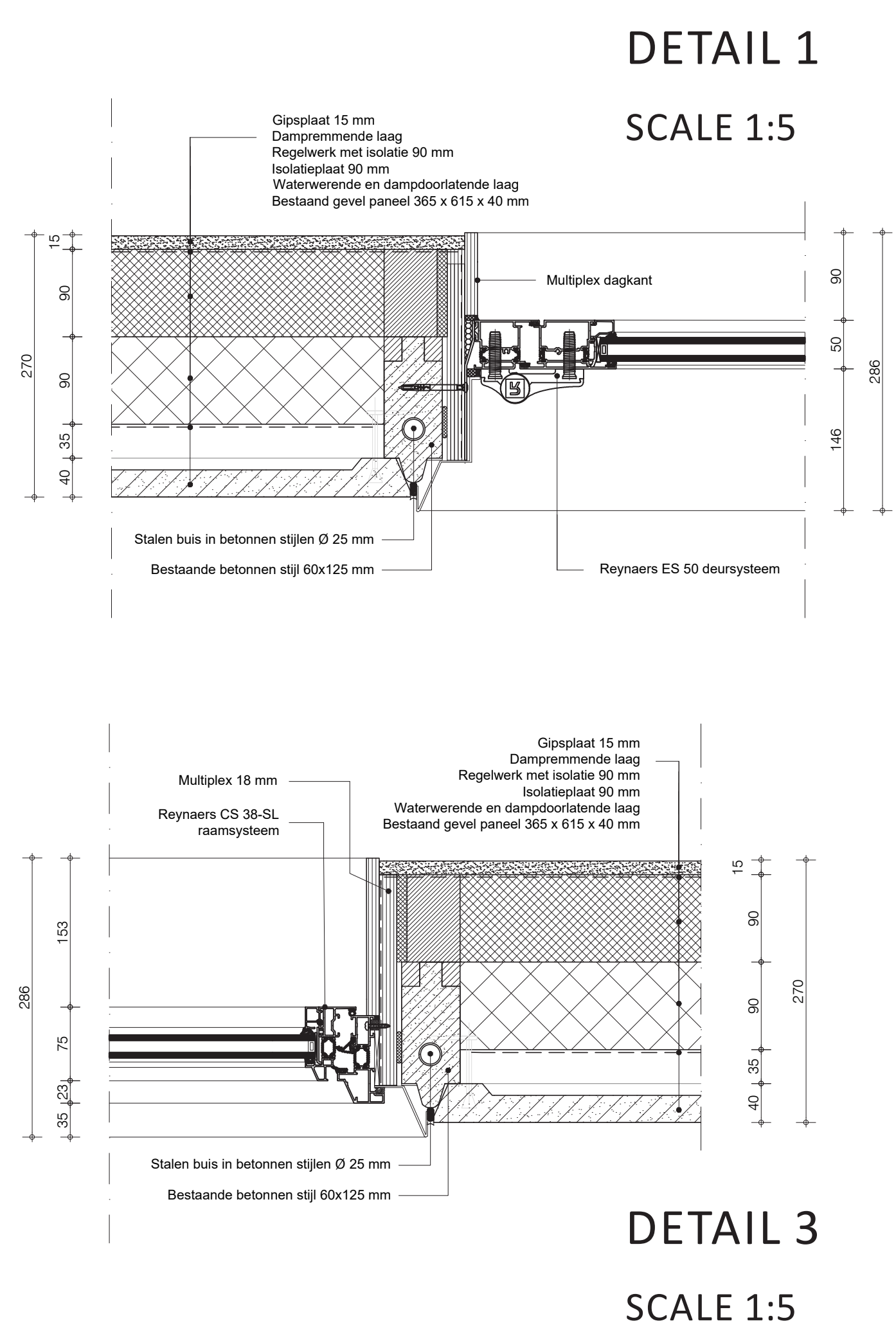
HORIZONTAL SECTION GROUND FLOOR - SCALE 1:20



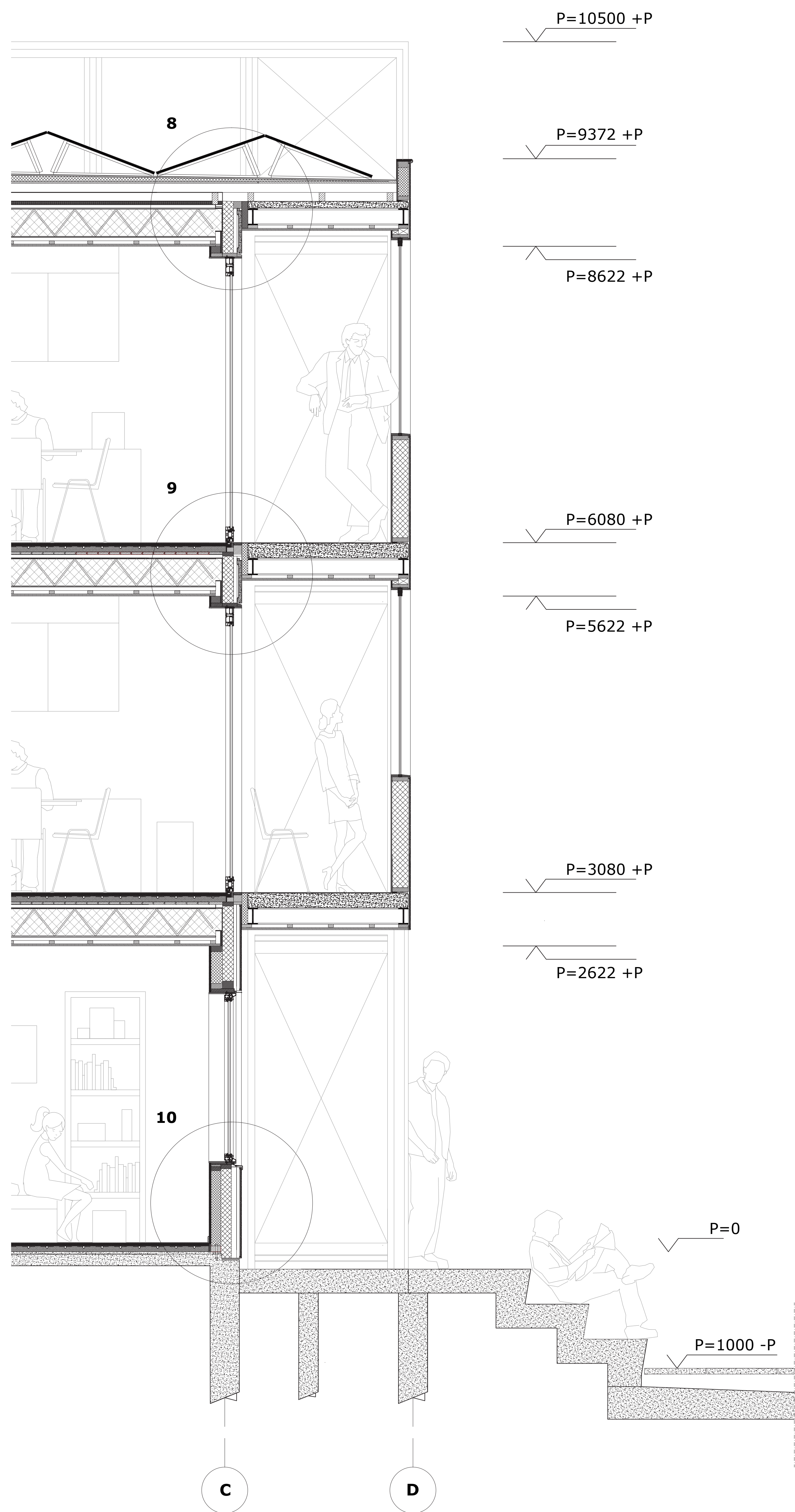
HORIZONTAL SECTION GROUND FLOOR - SCALE 1:20



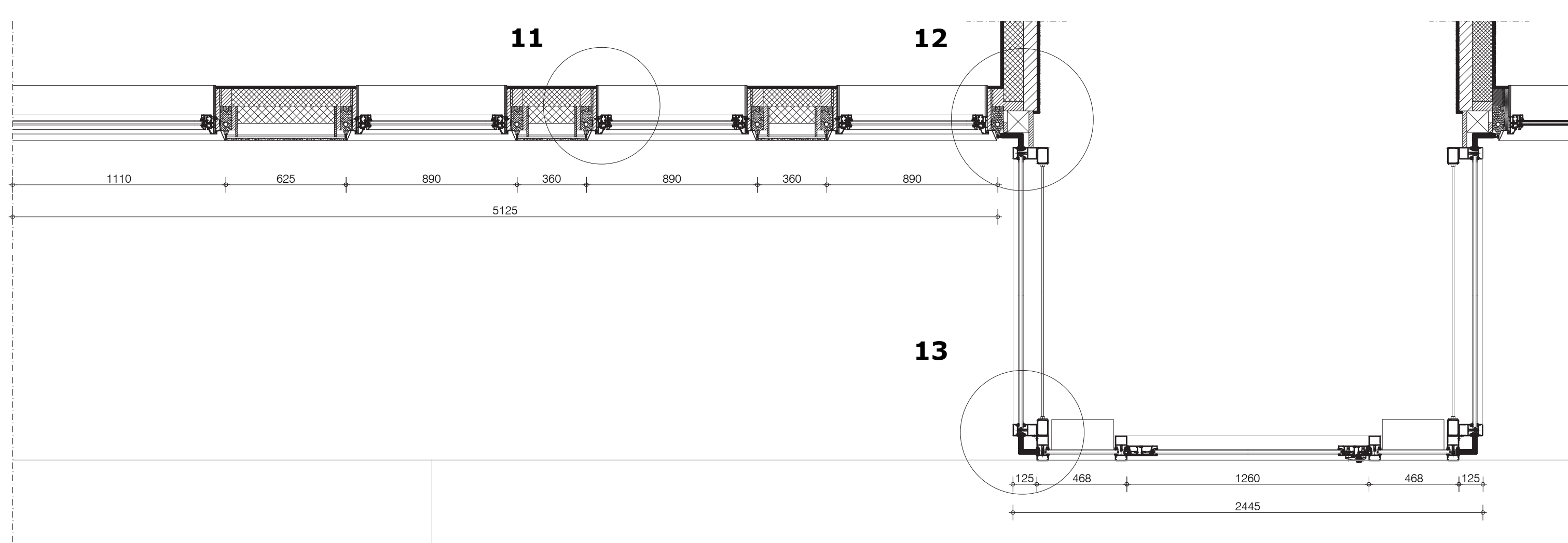
PHOTOS OF EXISTING SITUATION: WINDOW FRAMES & MESSY SMALL BALCONIES



'FRONT' FACADE IN DETAIL

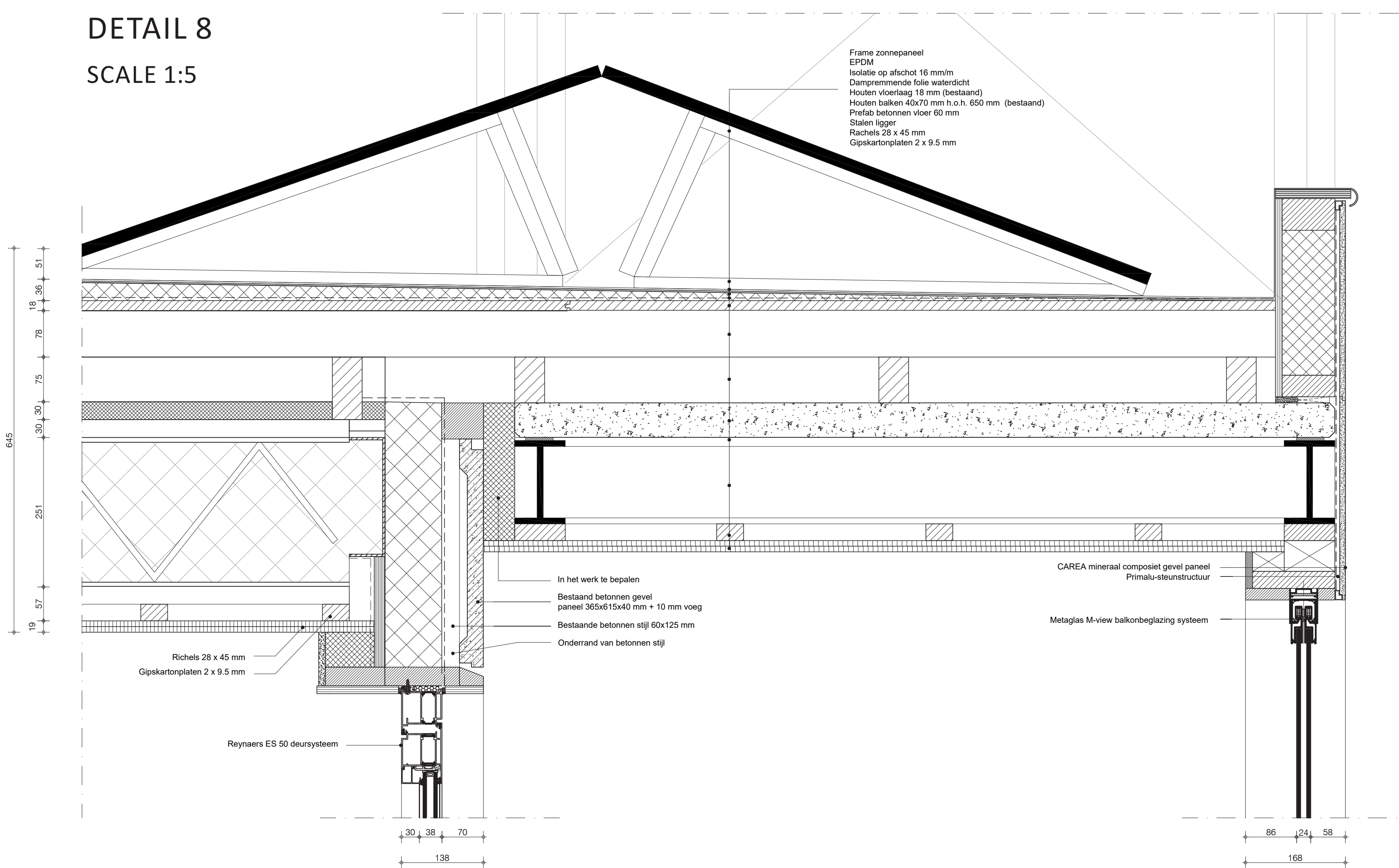


PHOTOS OF EXISTING SITUATION: DECAY & CORROSION

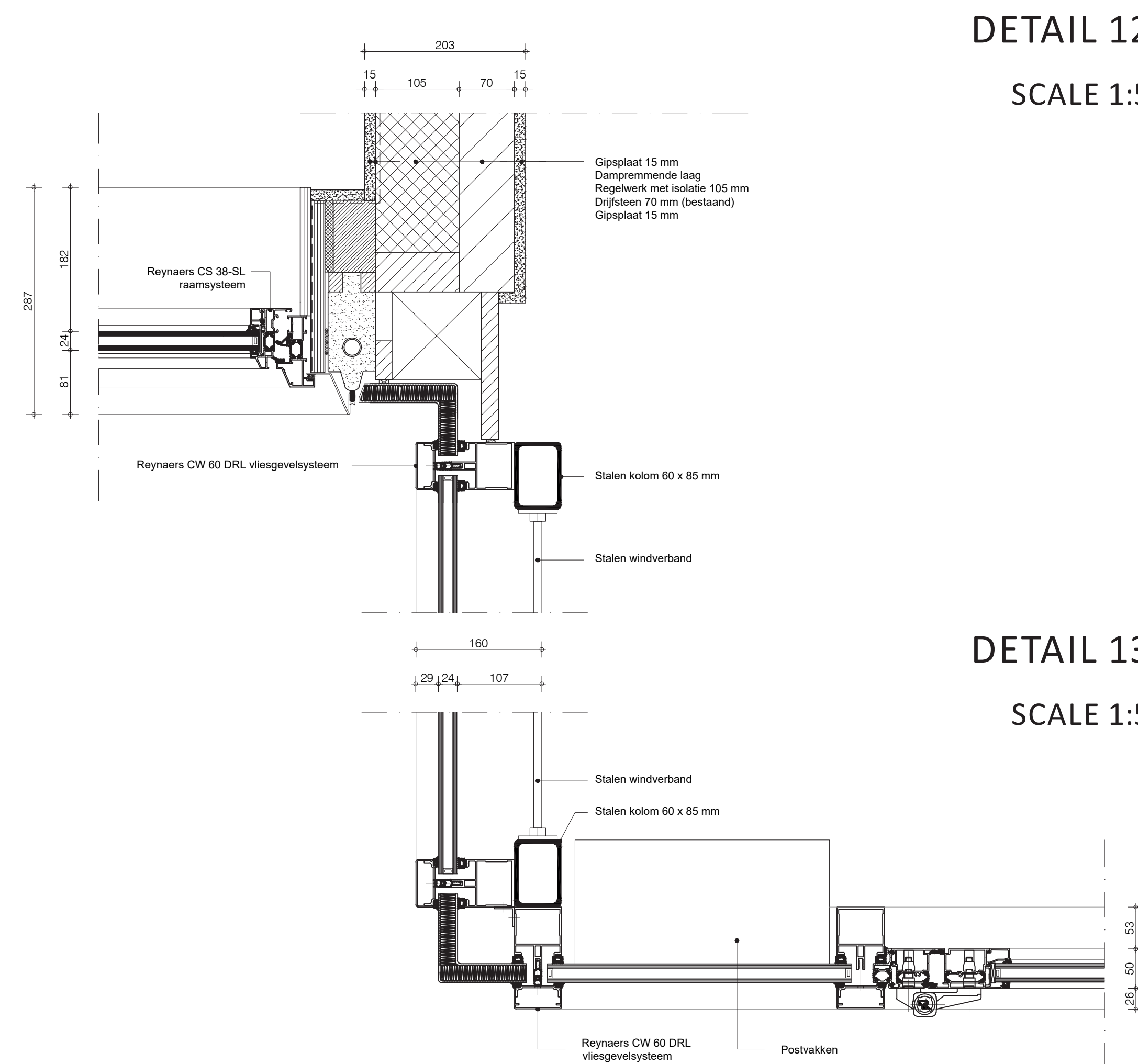


HORIZONTAL SECTION GROUND FLOOR - SCALE 1:20

DETAIL 8
SCALE 1:5



DETAIL 12
SCALE 1:5



DETAIL 13
SCALE 1:5