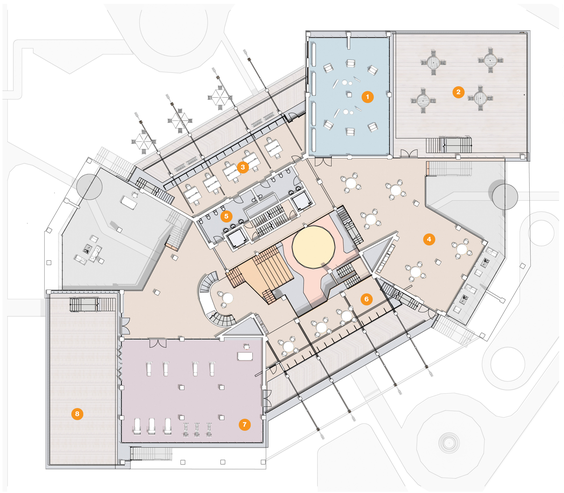


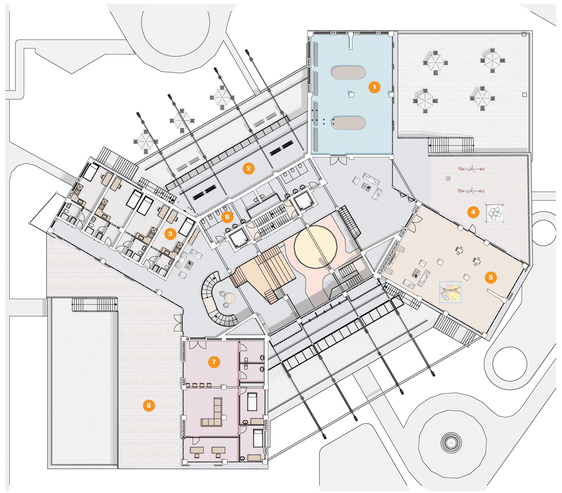
L00 + MASTERPLAN [1:250]

1. Bike Storage + Scootmobiel Parking
2. Barber + Groomer Combi Shop
3. Community Run Restaurant + Bar
4. WC
5. Main Atrium Ontmoetpunt
6. Cafe Seating
7. Cafe Bar
8. Coffee to Go
9. Admin + Mail Room
10. Storage Space
11. Mini Market (Organic Only!)
12. Outdoor Chess Set
13. Skatepark
14. Playground
15. Bus Stop



FLOOR PLAN L01

1. Art Studio
2. Outdoor Terrace
3. Study Space / Quiet Zone + Computerkamer
4. General Seating Area Library / Cafe
5. WC
6. Reading Space
7. Physiotherapist / Gym Area
8. Outdoor Workout Terrace



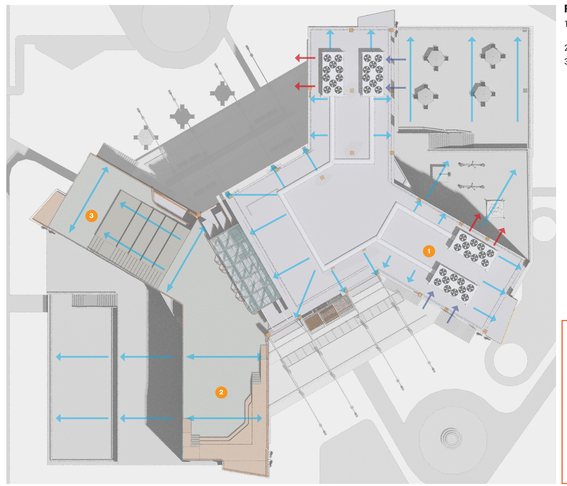
FLOOR PLAN L02

1. Workshop Area
2. Outdoor Terrace / Planting Space
3. Guest Rooms and Nurse Stay
4. Playground Area
5. Family Room
6. WC
7. First Aid Clinic
8. Skybridge Connection to Padel Courts



FLOOR PLAN L03/04

1. The Communal Spine
2. Solar Chimney
3. Atrium Space
4. 3BR Family Apartment
5. 4BR Student Apartment
6. 1BR Independent Living Unit
7. 1BR Couple / Expanded Living Unit
8. 2BR Guest Provisioned Unit



ROOF PLAN L14

1. Rooftop Units for Type D Ventilation + Heat Recovery
2. Rooftop Garden Auditorium
3. Rooftop Garden Growing Steps

FLOORPLANS 1.200 LEGEND

- SOCIAL CONNECTION SPACES
- HEALTH CREATION SPACES
- CARE PROVISION SPACES
- WATER FLOW
- AIR INTAKE
- AIR EXHAUST



NORTH, SOUTH ELEVATION + SECTION 1:250

BETTER TOGETHER

PLANS, SECTIONS, ELEVATIONS

841 X 1500 mm

Floor plans 1:200, Elevations + Sections 1:250

Arno Decorte 5704391

THE ORANGE ZONE

A VISION FOR A SOCIALLY CONNECTED NEIGHBOURHOOD IN SCHIEWEG

ADAPTIVE RE-USE FOR SPORTS!

ADAPTIVE RE-USE OF KABEL WARE-HOUSE



BETTER TOGETHER.

CONCEPTUAL SECTION OF PLINTH & SPINE

SIZE: A0 [841X1189MM]

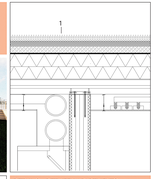
AN EXEMPLAR TRANSLATION OF THE RESEARCH CONCLUSIONS DERIVED FROM THE RESEARCH REPORT: BETTER TOGETHER

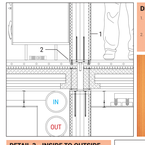
DRAWING BY ARNO DECORTE

DETAIL 1 - ROOFTOP CONNECTION

- roof terrace: paved layer
- 50 mm thick pedestal
- 40 mm concrete pressure distribution slab
- 18 mm oriented strand board vapour barrier
- 50 mm thick insulation between
- 40x180 mm timber joists
- 190mm CLT ceiling slab







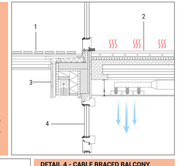
DETAIL 2 - BETWEEN APARTMENTS

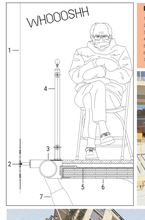
1. 12.5 mm gypsum fibreboard
   50 mm UFM sound insulation
   160mm CLT bracing wall
2. WALLMI battery system
   Acoustic insulation plate with Countersunk Screws running through concrete topping



DETAIL 3 - INSIDE TO OUTSIDE

- 25 mm larch balcony decking, thermally modified
  Liquid applied urethane roofing membrane
  150mm CLT floor slab
  20 mm larch flooring
- 40 mm heating screed
  30 mm mineral wool sound insulation
  50 mm concrete topping
  120 mm CLT floor slab
  D = 100mm diffuse inlet vent
  20 mm gypsum board
- 20mm larch boarding
  30 mm battens
  Rail guided blinds
  80mm mineral wool insulation
  70 mm battens
  12.5 mm magnum fibreboard with vapour barrier
  2x12.5 mm gypsum
- larch casement with triple glazing: 3× 4 mm glass + 2× 12 mm cavities





DETAIL 4 - CABLE BRACED BALCONY

1. D=20mm recycled suspension cables collected from kabel district
2. Bolted connector piece
3. D = 160 mm steel round hollow section
4. H = 120mm Stainless steel railing
5. Liquid applied urethane roofing membrane
6. 150mm CLT floor slab
7. D = 160 mm glulam diagonal strut



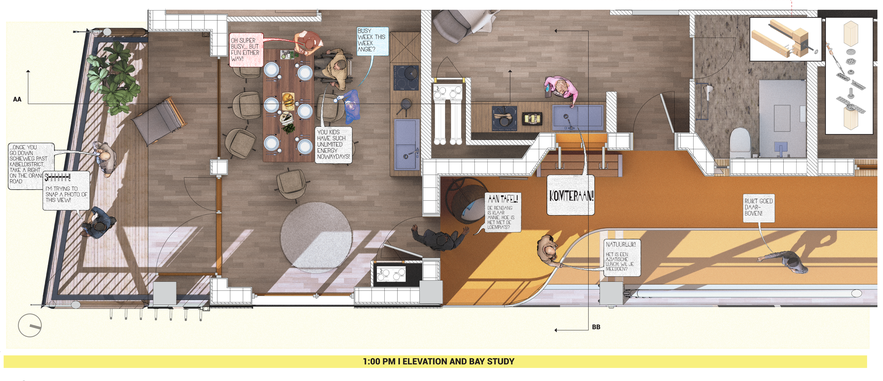




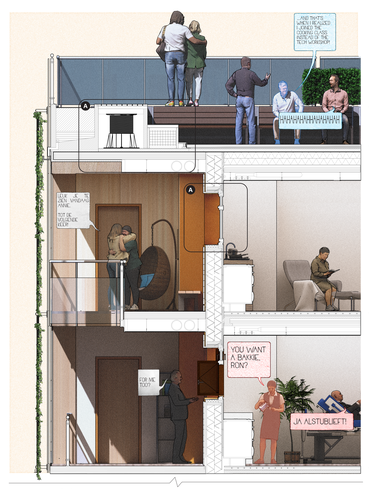


9:00 AM I SECTION AA - L00-01 / L09-10



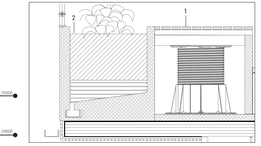


1:00 PM I ELEVATION AND BAY STUDY





5:00 PM I SECTION BB - L00-01 / L09-10



DETAIL 5 - ROOFTOP DECK

1. Larch outdoor decking, treated for outdoor use
   Timber joists on pedestals
   800mm Polycarbonate Adjustable Outdoor Riser
2. Concrete Planter
   Concrete planter wall with plantings
   150 mm Filler Aggregate
   Drainage to Stormwater Channel
   Waterproof membrane
   150mm CLT Ceiling slab
   50mm Larch Soffit Material

DETAIL 6 - SPORTS FLOOR

1. 20mm Impact Resistant Sports Flooring
   Concrete Screed
   200mm Concrete slab
   300x150 Glulam Beam
   15mm Gypsum Ceiling

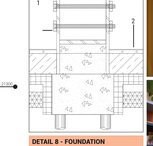




DETAIL 7 - THE SOCIAL WINDOW

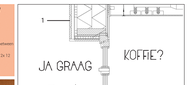
1. 20 mm larch boarding
   30 mm battens, sealing layer
   21 mm laminated softwood sheeting
   150 mm mineral wool insulation
   150/300 mm softwood studding
   2x12.5 mm gypsum fibreboard with vapour barrier between layers
2. larch casement with triple glazing: 3× 4 mm glass + 2× 12 mm cavities
   Aluminium handles for opening

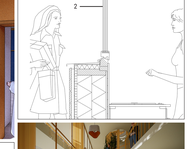




DETAIL 8 - FOUNDATION

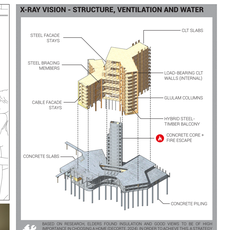
1. 450x450mm Glulam Column
   30 mm Steel Connector with Bolt
2. 150mm Orange Rubber Flooring
   40mm Heating Screed
   150 mm Concrete Slab
   150 mm Rigid Insulation
   60 mm Damp proof membrane
   150 mm Gravel layer



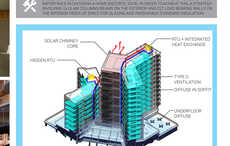




X-RAY VISION - STRUCTURE, VENTILATION AND WATER

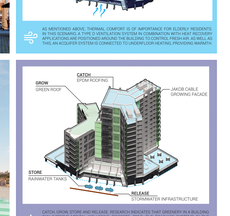


BASED ON RESEARCH, ELEMIQ FOUND INSULATION AND GOOD VENTILATION TO BE OF HIGH IMPORTANCE FOR ELDERLY RESIDENTS. THEREFORE, THE BUILDING IS DESIGNED WITH A HIGH LEVEL OF INSULATION, INCLUDING GLULAM WALLS AND CLT SLABS AND BEARINGS ON THE EXTERIOR OF THE BUILDING AND ALLOWS THE INTERIOR PIECE OF SPACE FOR CLAYING AND PROVIDING A STANDARD INSULATION.



AS MENTIONED ABOVE, THERMAL COMFORT IS OF IMPORTANCE FOR ELDERLY RESIDENTS. IN THIS SCENARIO, A TYPE D VENTILATION SYSTEM IN COMBINATION WITH HEAT RECOVERY APPLICATIONS ARE POSITIONED AROUND THE BUILDING TO CONCRETE, FRESH AIR. AS WELL AS THIS, AN AQUIFER SYSTEM IS CONNECTED TO AQUIFERS FOR HEATING, PROVIDING WARMTH.





CATCH, GROW, STORE AND RELEASE. RESEARCH INDICATES THAT GREENERY IN A BUILDING CAN IMPROVE MENTAL WELLBEING. DECEPTIVE ZEAL. THE DRAINAGE SYSTEMS IN THE BUILDING ARE DESIGNED TO ENSURE THAT RAINWATER ALWAYS PASSES THROUGH SOME FORM OF GROWING MEDIUM. THIS MAY MEAN WATER HITS THE GROWING FACADES

FRAGMENT DRAWING

A BUSY SATURDAY IN THE ORANGE ZONE

841 X 2500 mm

Sections 1:20, Details 1:10, Axonometrics 1:800

Arno Decorte 5704391