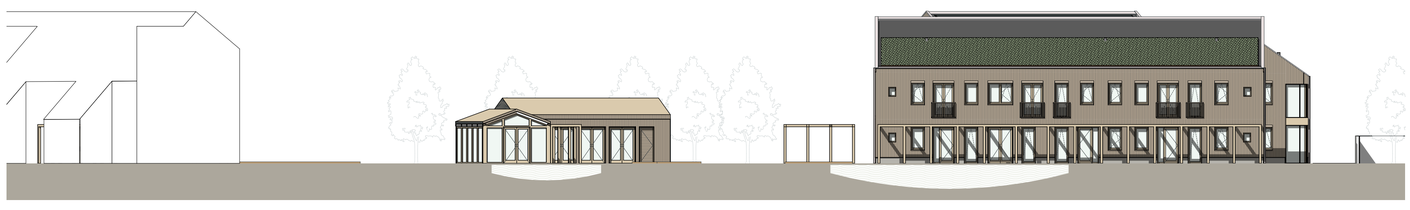
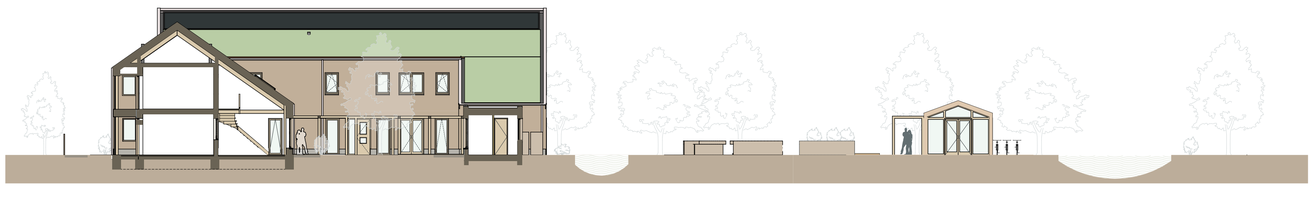
CoLi Flow | Reviving the Cauliflower Neighbourhoods

North Facade | 1:200

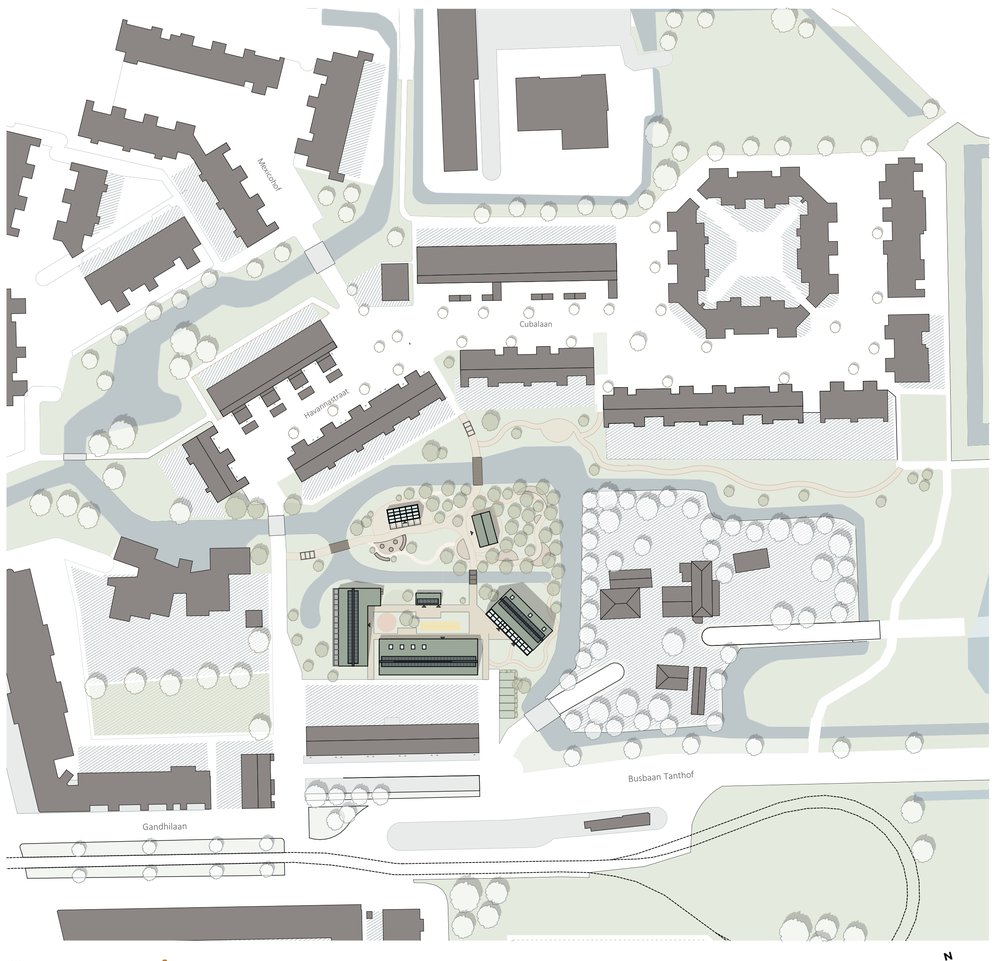
South Facade | 1:200



West Facade | 1:200

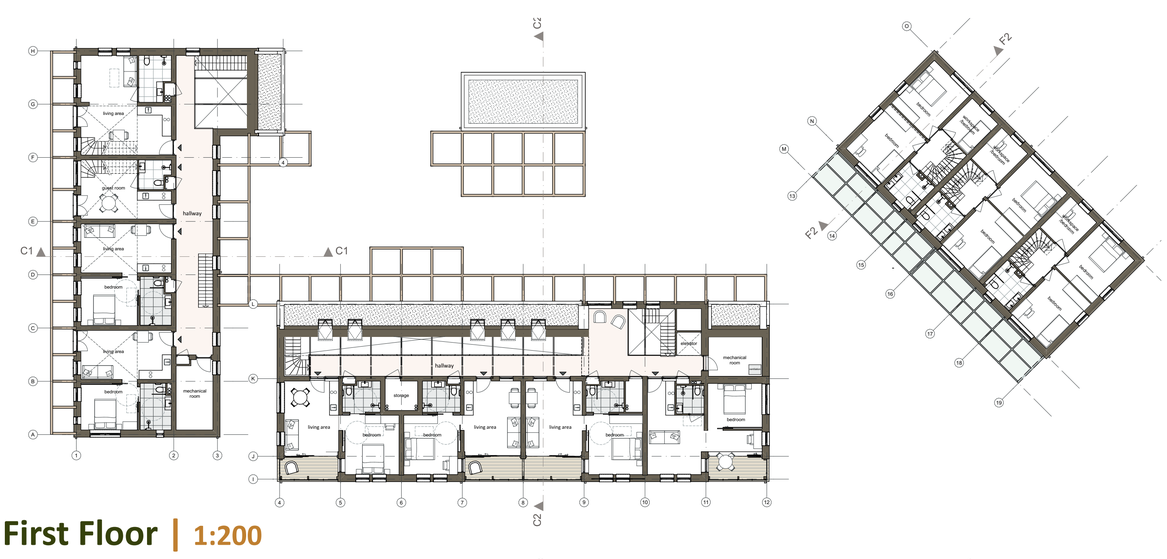


East Facade | 1:200

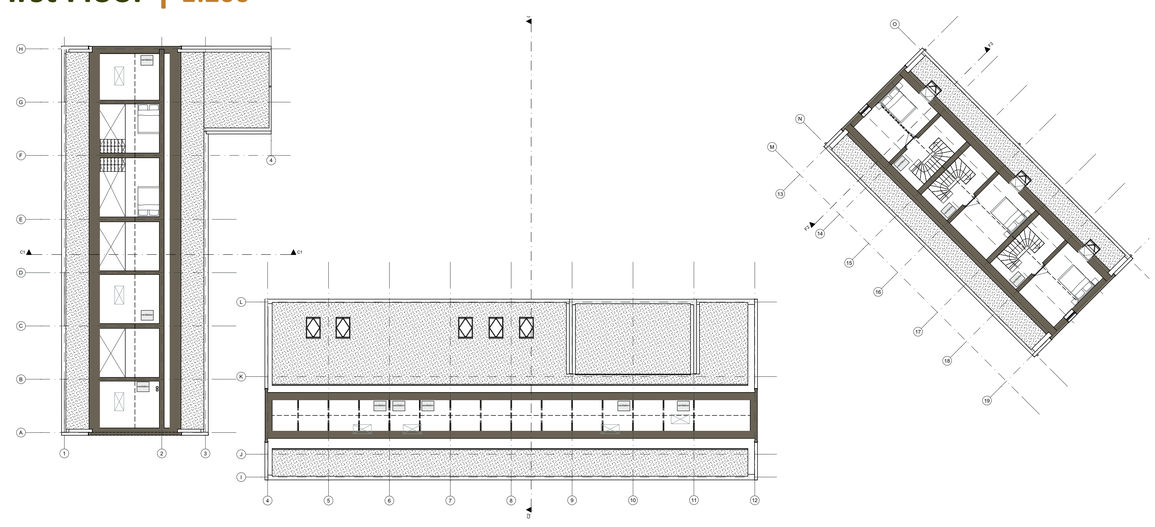


Situation | 1:1000

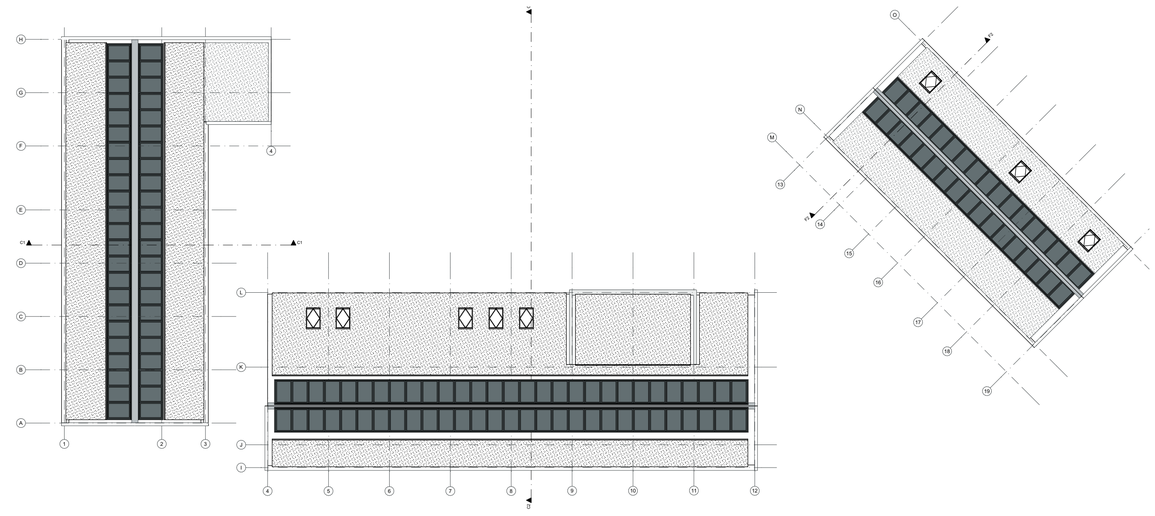
Ground Floor | 1:200



First Floor | 1:200



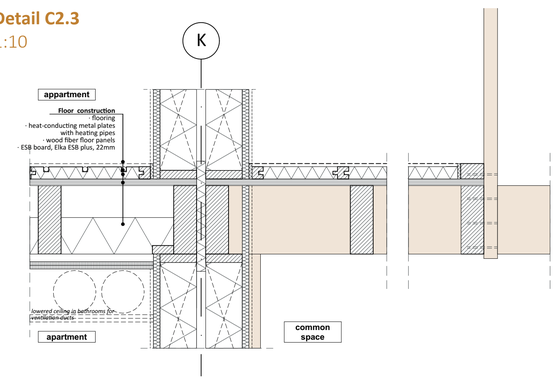
Second Floor | 1:200



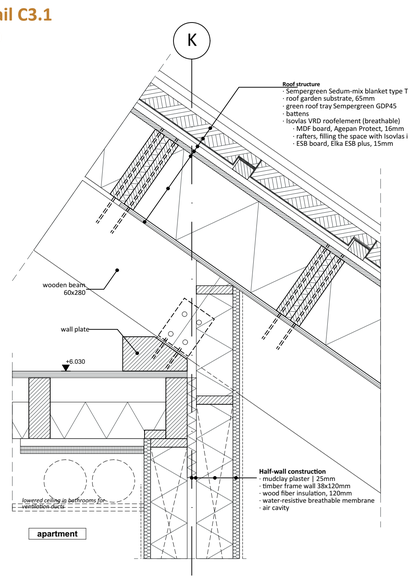
Roof | 1:200

CoLi Flow | CoHousing

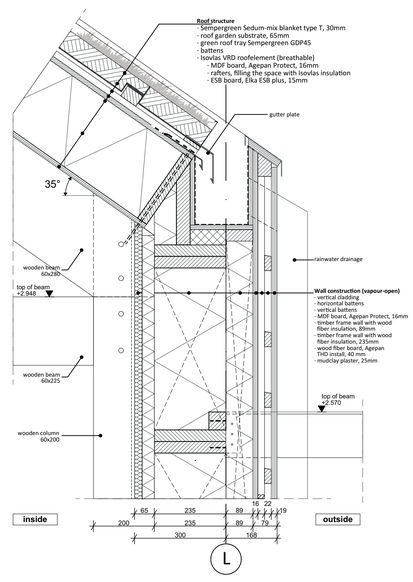
Detail C2.3
1:10



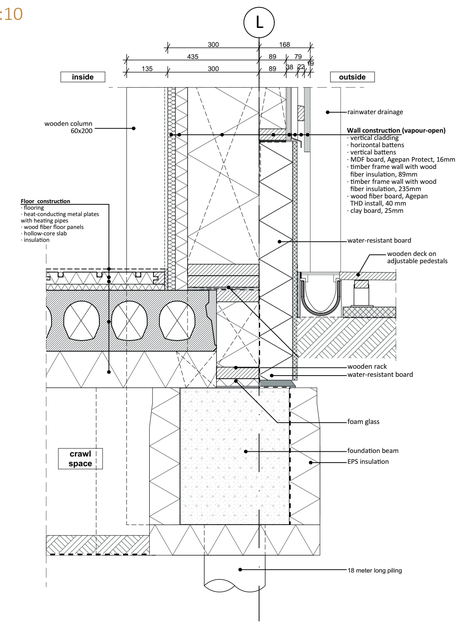
Detail C3.1
1:10



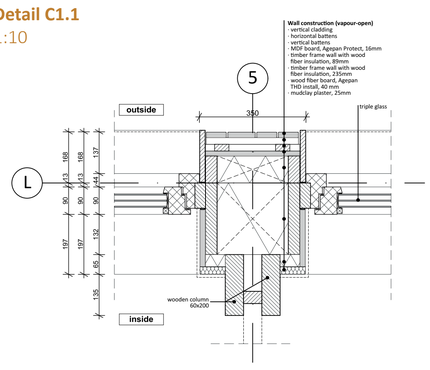
Detail C2.1
1:10



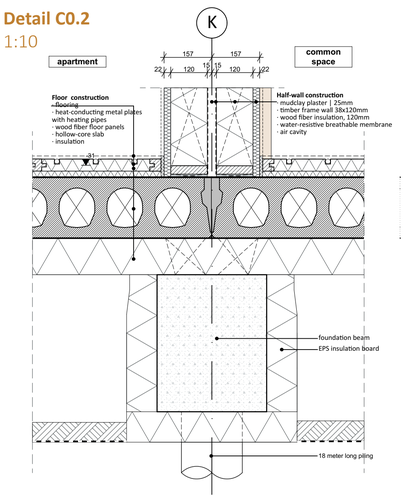
Detail C0.1
1:10

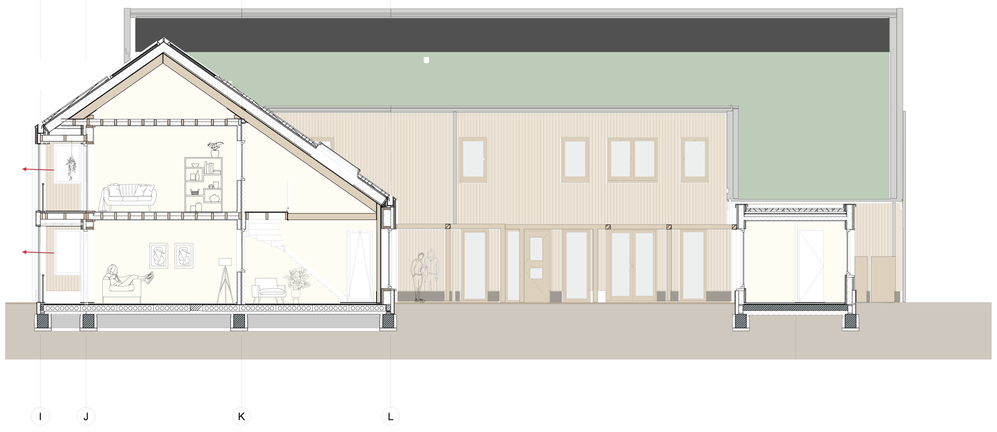


Detail C1.1
1:10



Detail C0.2
1:10

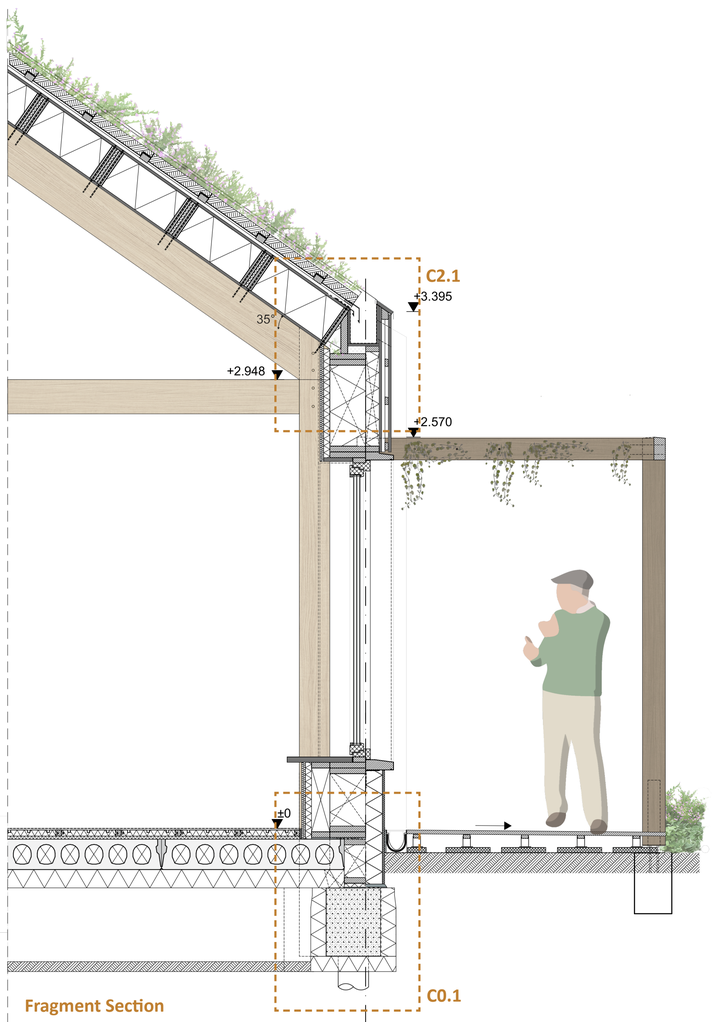




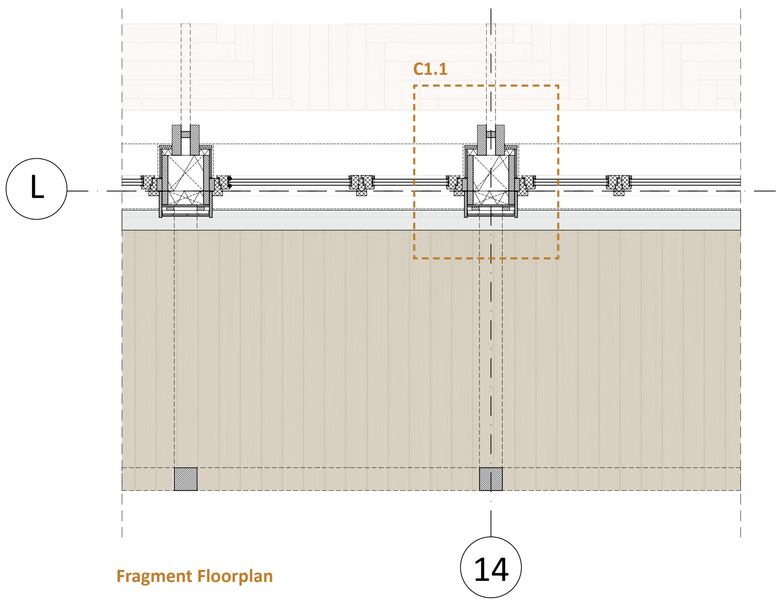
Section CoHousing | 1:200

Fragment Exterior

Fragment interior

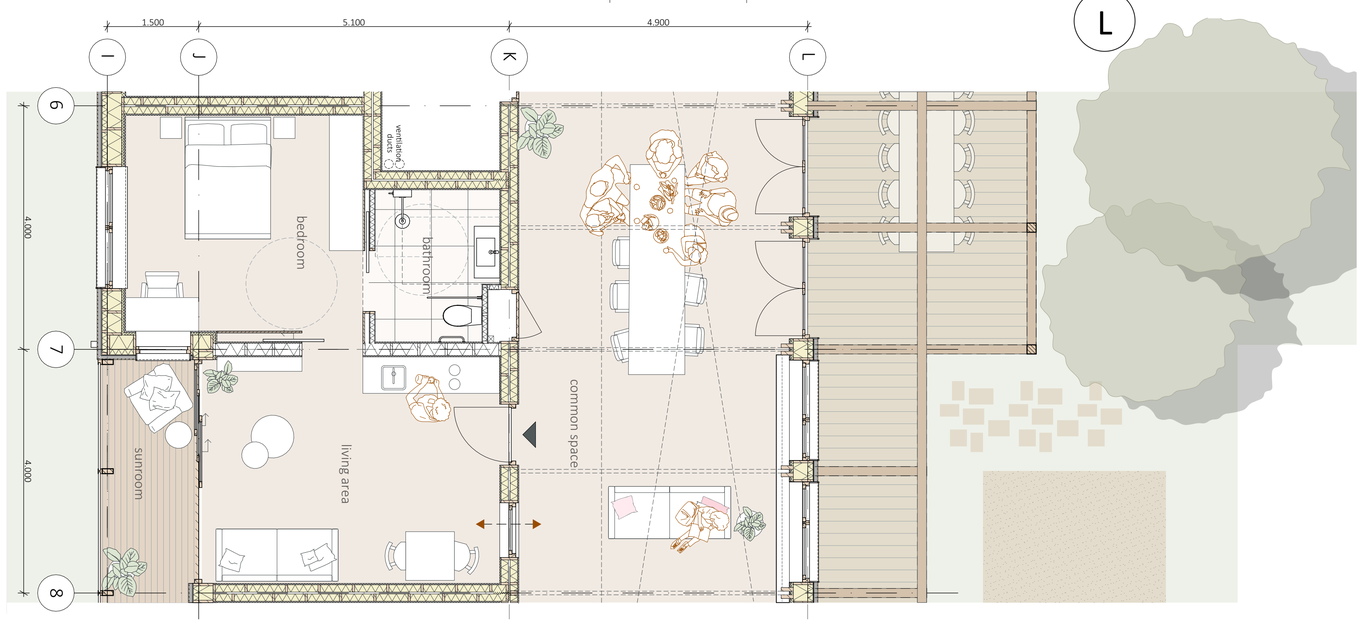


Fragment Section



Fragment Floorplan

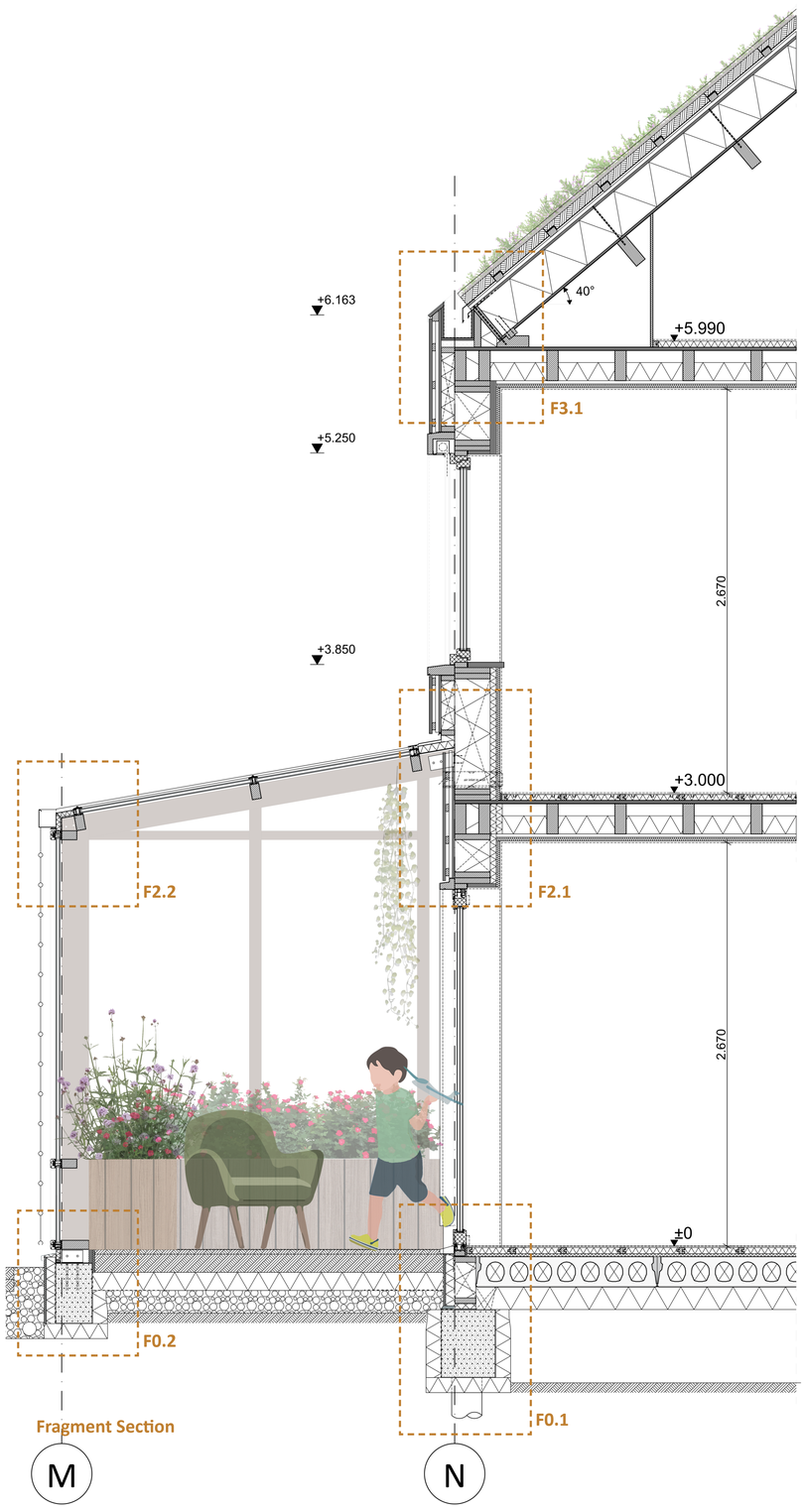
Facade Fragment
1:20



Ground Floor | 1:50

CoLi Flow | Family Houses

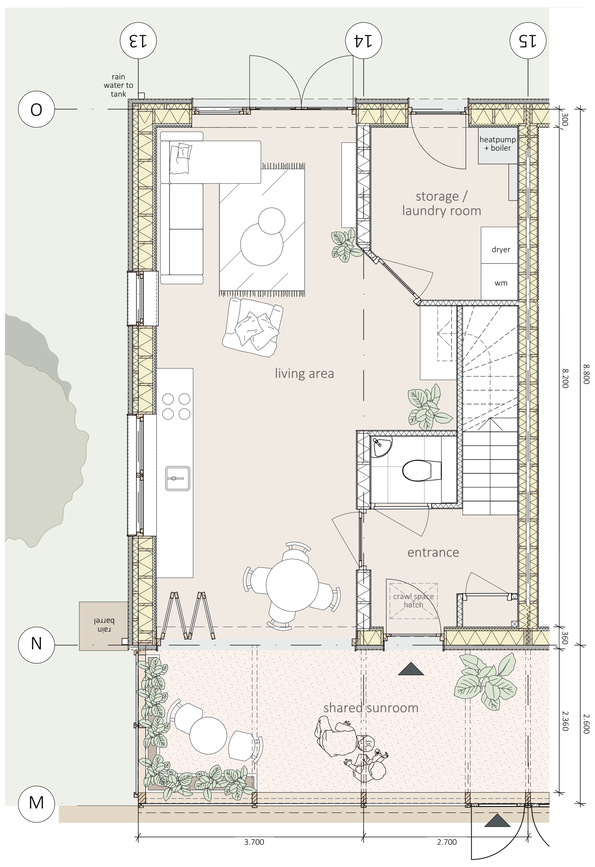
Facade Fragment Family House
1:20



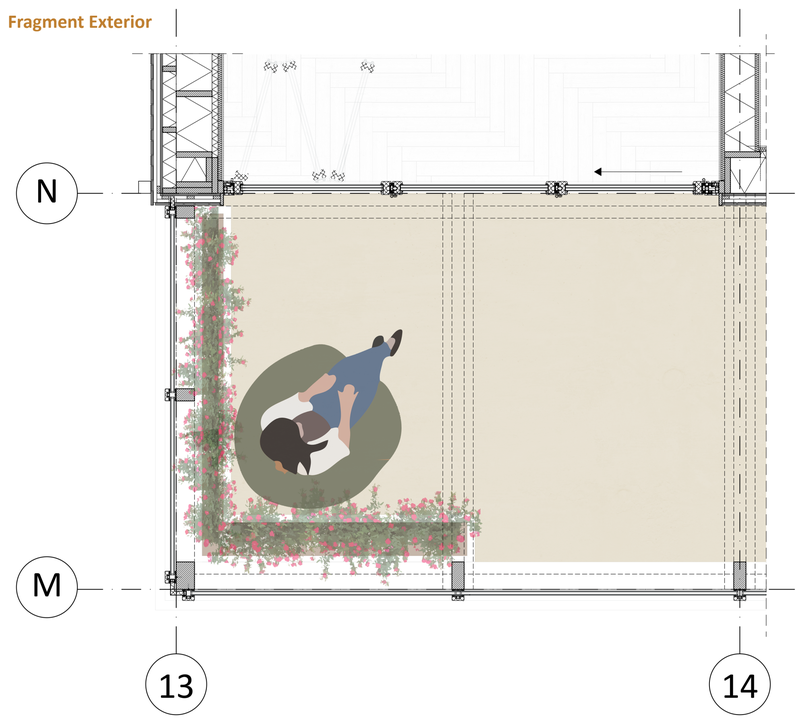
Fragment Section

Fragment Exterior

Fragment interior

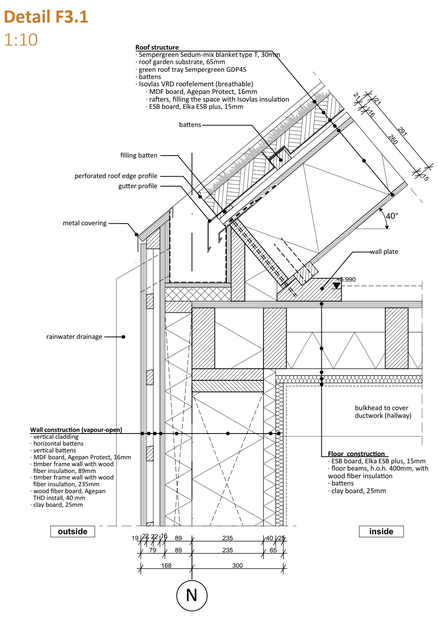


Ground Floor | 1:50

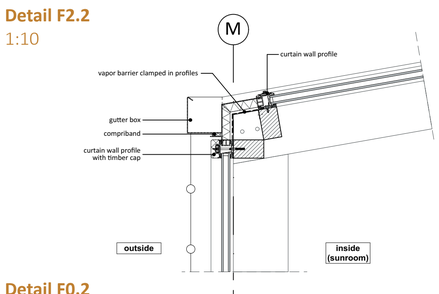


Fragment Floorplan

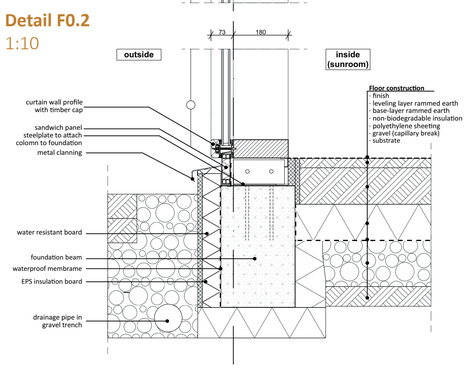
Detail F3.1
1:10



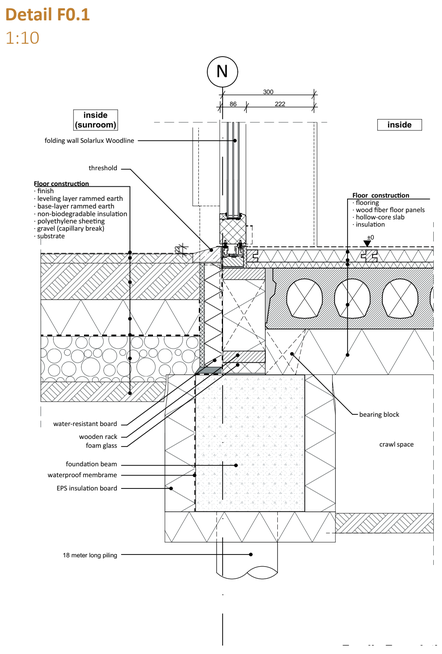
Detail F2.2
1:10



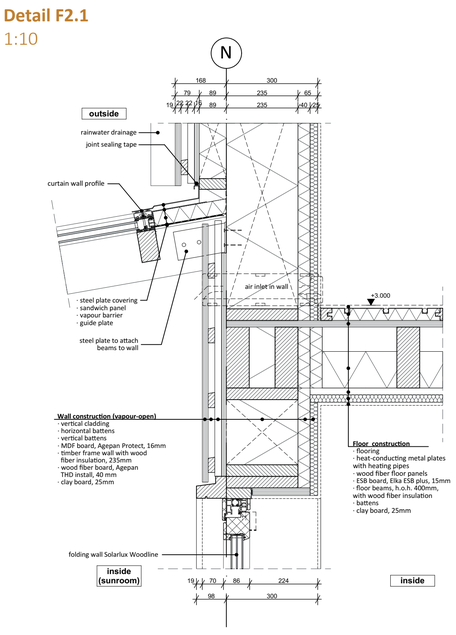
Detail F0.2
1:10



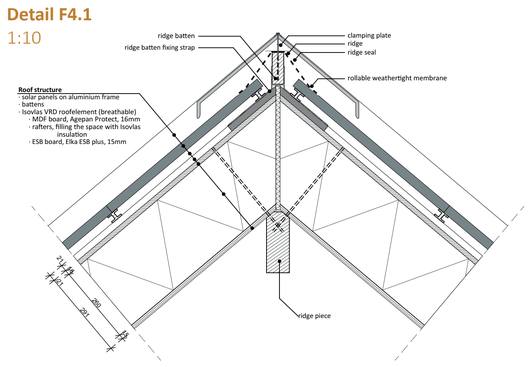
Detail F0.1
1:10



Detail F2.1
1:10

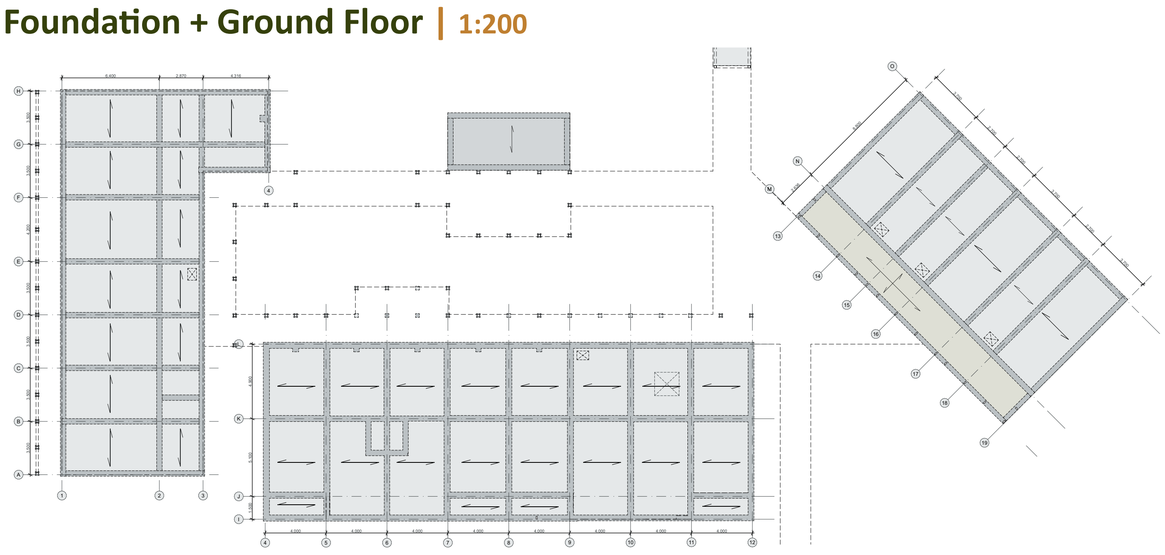


Detail F4.1
1:10

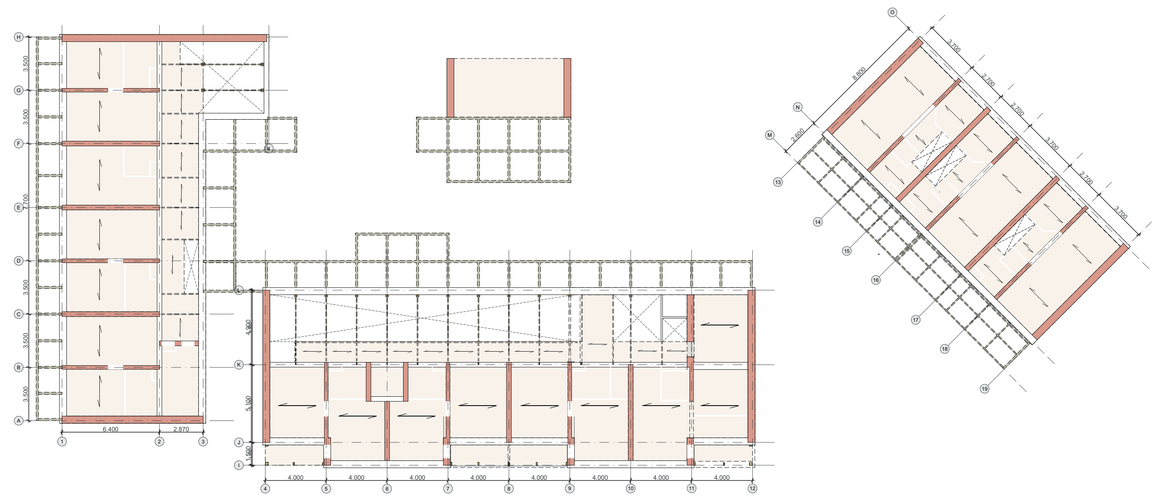


CoLi Flow | Construction

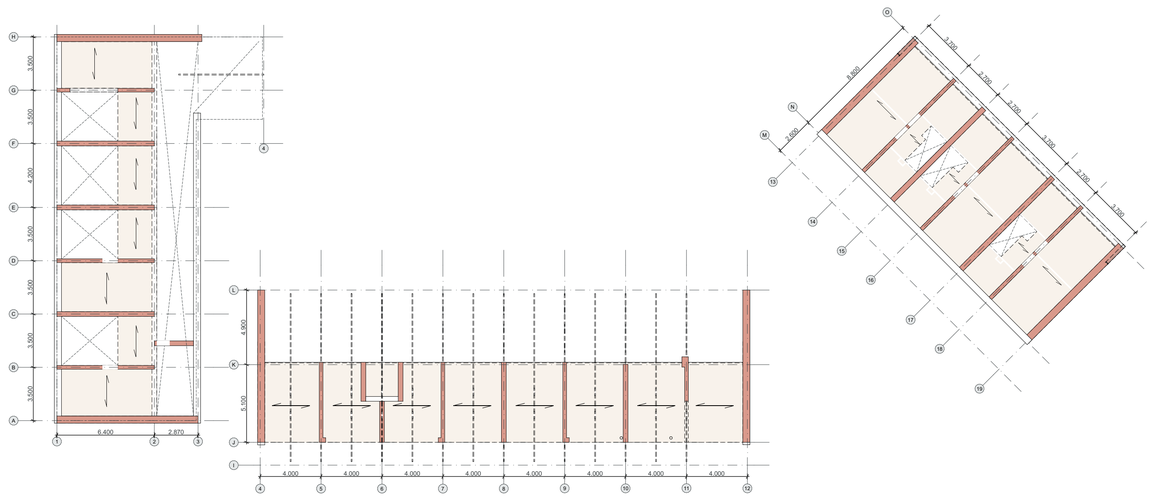
Foundation + Ground Floor | 1:200



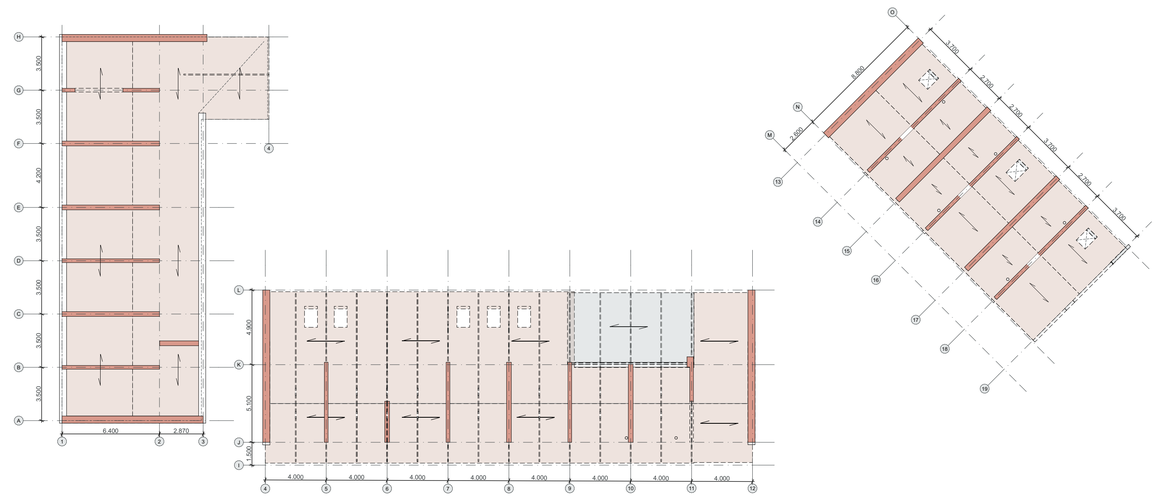
Foundation + ground floor
1:200



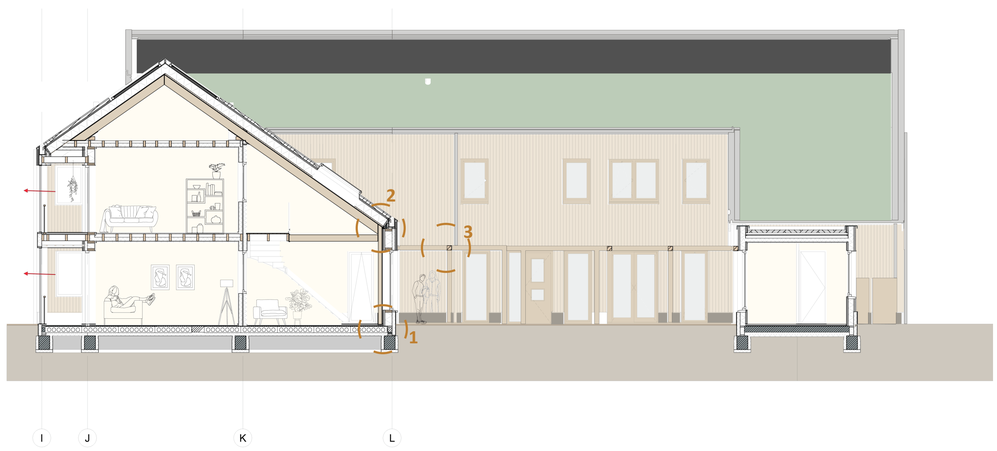
First floor + underlaying construction
1:200



Second floor + underlaying construction
1:200

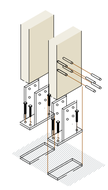


Roof + underlaying construction
1:200



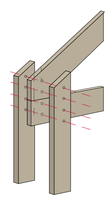
Construction Joints

1



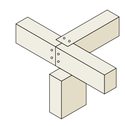
Connection Columns with Foundation

2



Connection Columns with beams

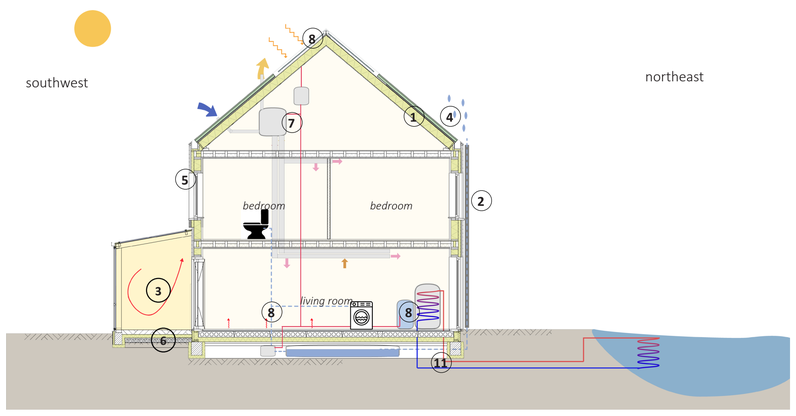
3



Connection Columns and Beams Pergola

Climate

Family Houses | 1:100



Minimalise energy demand
1 | Insulation layer
2 | Triple glas
3 | Sunroom (passive energy)
4 | Green roof
5 | Sunshade

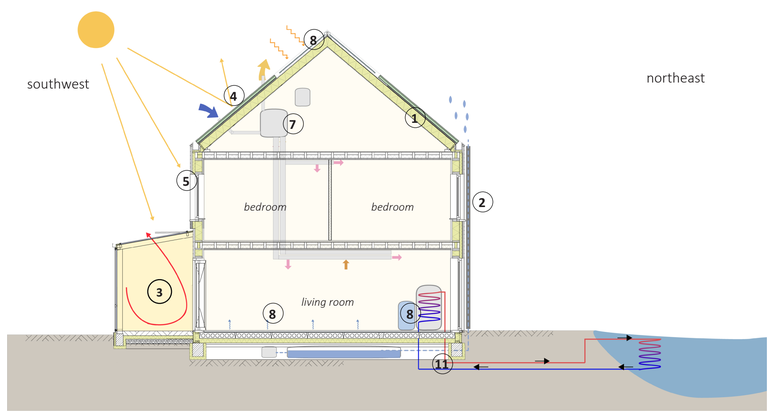
Use available energy flows
6 | Thermal mass
7 | Heat recovery ventilation (HRV)unit
8 | Heat pump

Renewable energy
9 | Solar energy

Sustainable materials
10 | Biobased

Limit use of drinking water
11 | Use of rainwater

Summer



Minimalise energy demand
1 | Insulation layer
2 | Triple glas
3 | Sunroom (passive energy)
4 | Green roof
5 | Sunshade

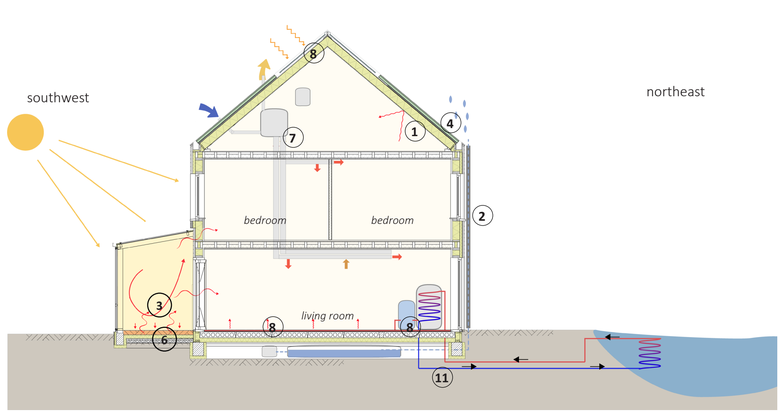
Use available energy flows
7 | Heat recovery ventilation (HRV)unit (heat recovery off)
8 | Heat pump for floor cooling + hot tap water

Renewable energy
9 | Solar energy

Sustainable materials
10 | Biobased

Limit use of drinking water
11 | Use of rainwater

Winter



Minimalise energy demand
1 | Insulation layer
2 | Triple glas
3 | Sunroom (passive energy)
4 | Green roof

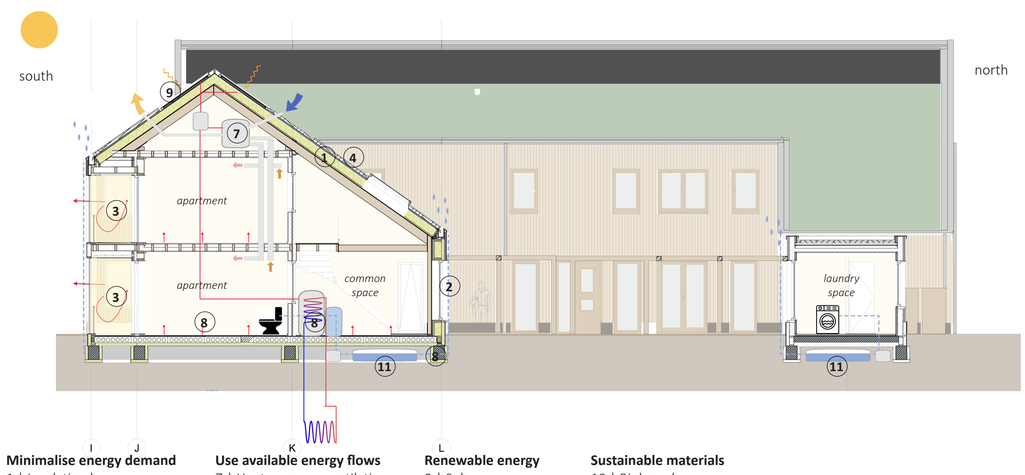
Use available energy flows
6 | Thermal mass
7 | Heat recovery ventilation (HRV)unit
8 | Heat pump (for floor heating + hot tap water)

Renewable energy
9 | Solar energy

Sustainable materials
10 | Biobased

Limit use of drinking water
11 | Use of rainwater

CoHousing | 1:100



Minimalise energy demand
1 | Insulation layer
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3 | Sunroom (passive energy)
4 | Green roof

Use available energy flows
7 | Heat recovery ventilation (HRV)unit
8 | Heat pump

Renewable energy
9 | Solar energy

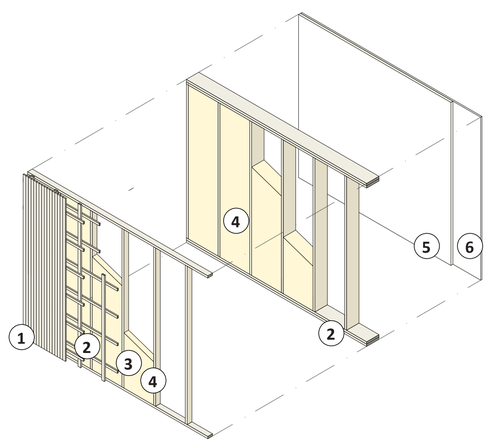
Sustainable materials
10 | Biobased

Limit use of drinking water
11 | Use of rainwater

Sunroom for year-round outdoor seating

Breathable materials

For a healthy indoor climate



Biobased materials
1 | Wooden facade
2 | Timber frame wall
3 | MDF board Agepan protect
4 | wood fiber insulation
5 | wood fiber board, Agepan Install
6 | Clay board