

Graduation

Iris van Gorkom

4593545

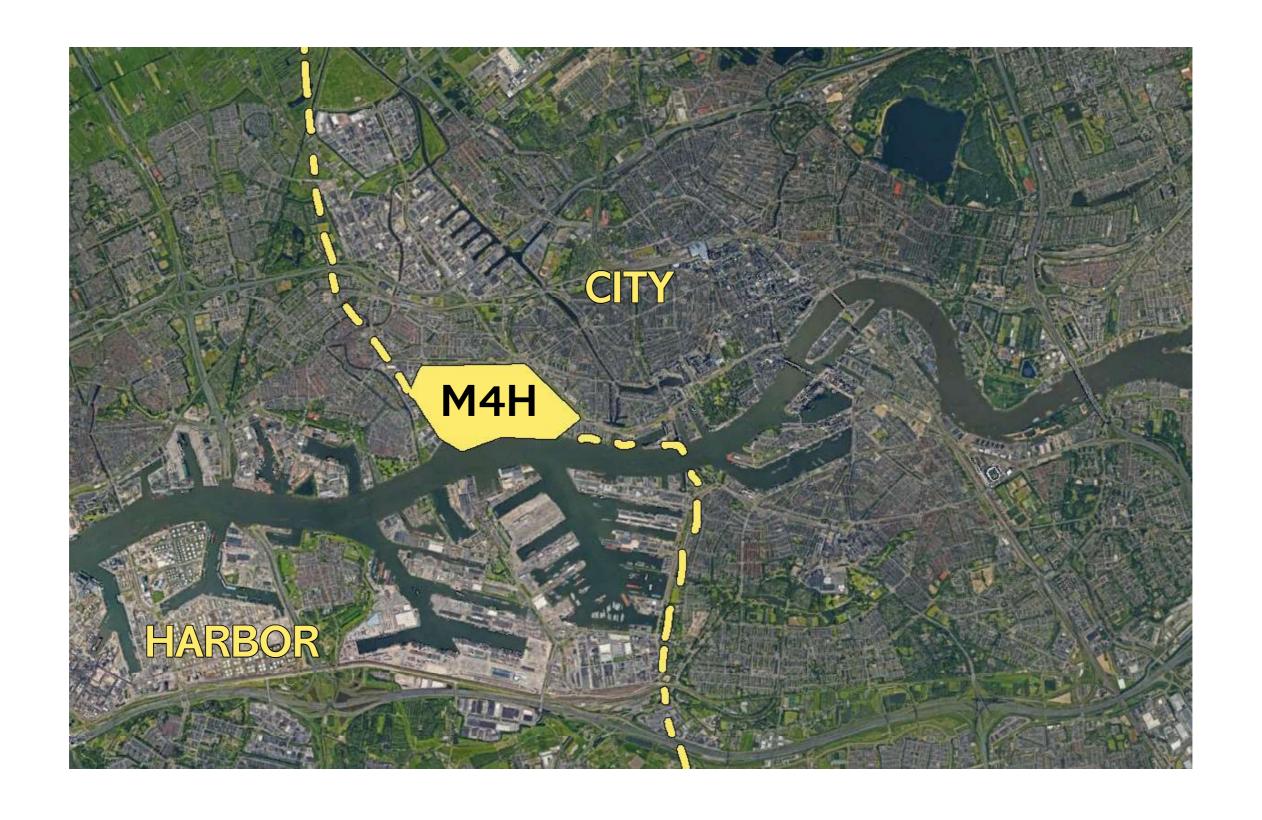
21-06-2023

COMMON SPACE

Sharing spaces in the context of co-housing and production in the M4H area



Rotterdam, M4H area



Rotterdam, M4H area

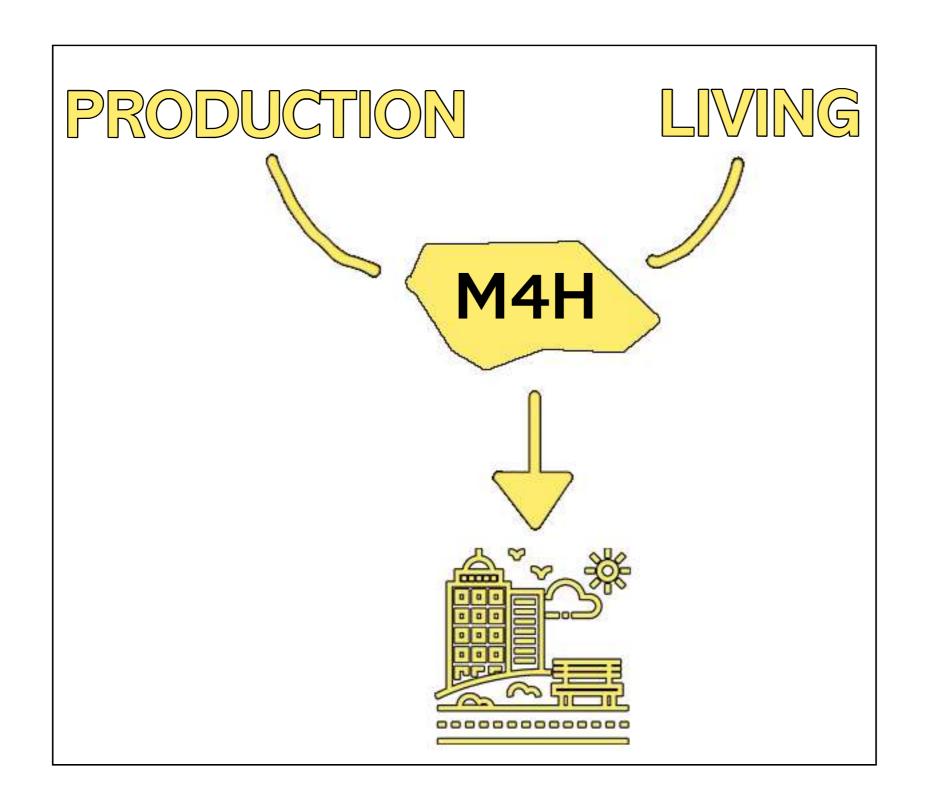


A

Analytical drawing M4H area







Combining living and production



How do shared spaces add value to the city?

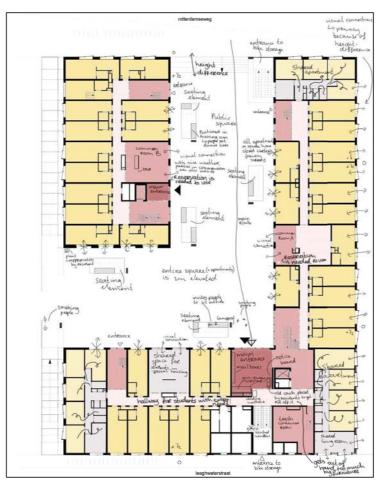
What benefits and problems can be found when sharing on different scales?

How can production and co-living go together?

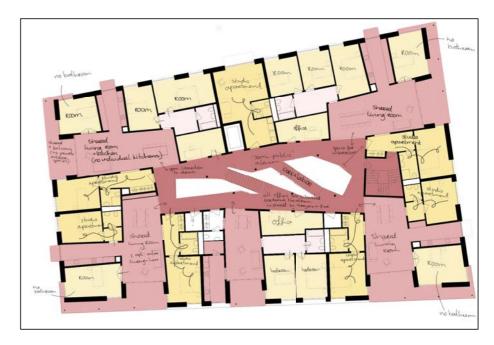




Centraal Wonen de Lismortel, Eindhoven Architect unknown Completed in 1983. Client: the collective de Lismortel

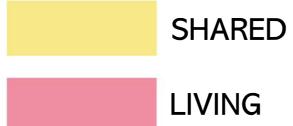


Rotterdamseweg 139, Delft Vera Yanovshtchinsky Architecten completed in 2010. Client: DUWO

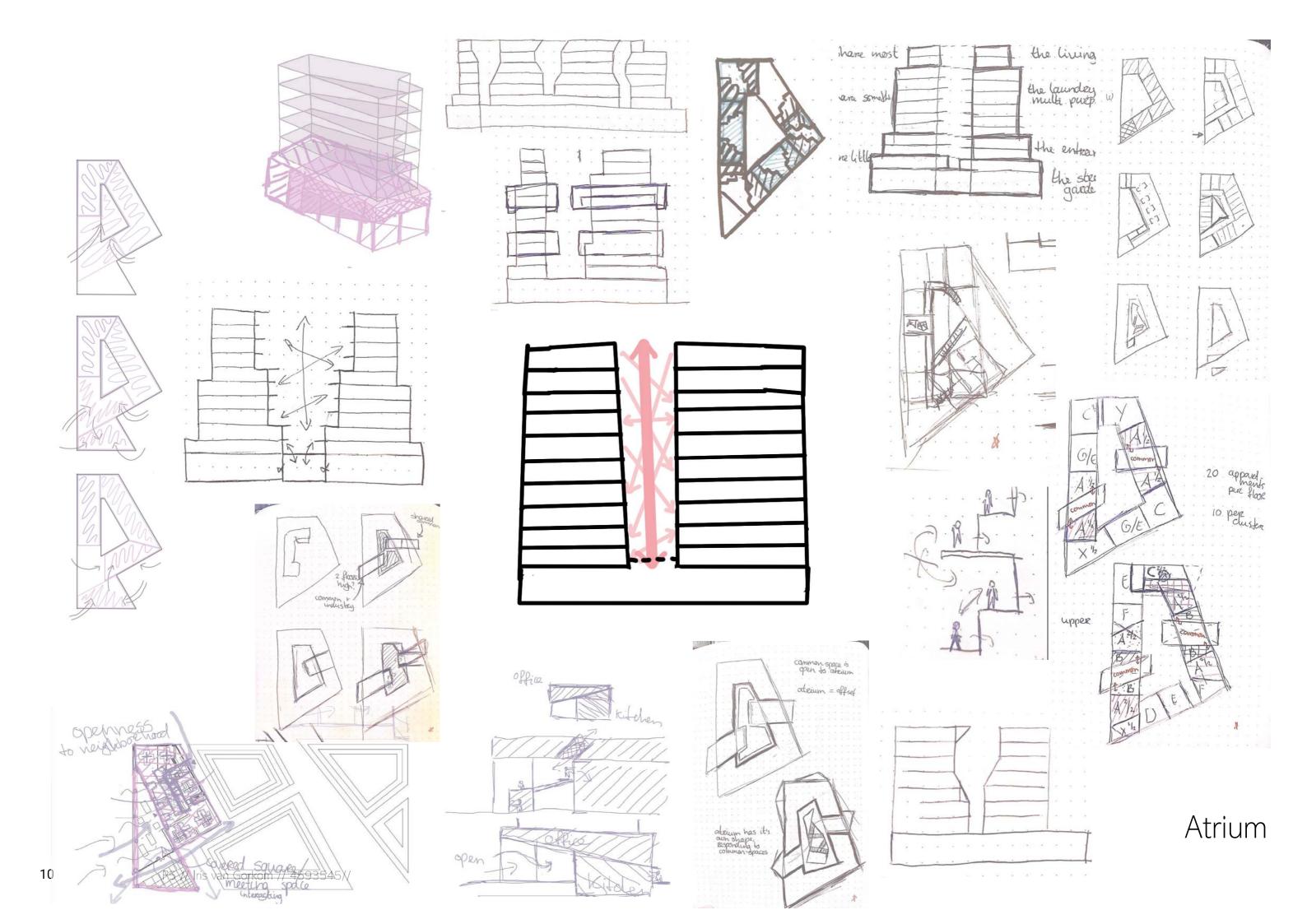


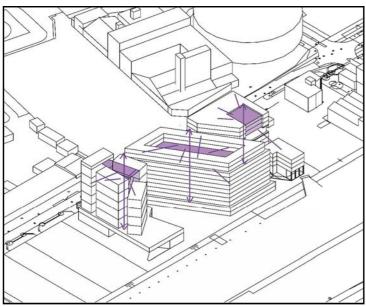
Haus M, Zurich Duplex Architekten Completed in 2016 Client: Mehr Als Wohnen



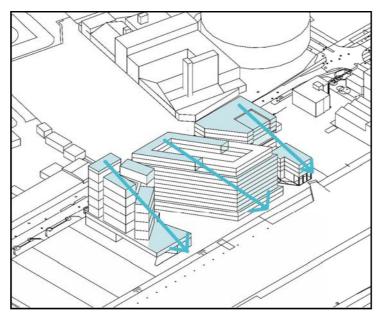


THE CITY THE STREET A THE ENTRANCE THE MULTI-PURPOSE ROOM THE LIVING ROOM

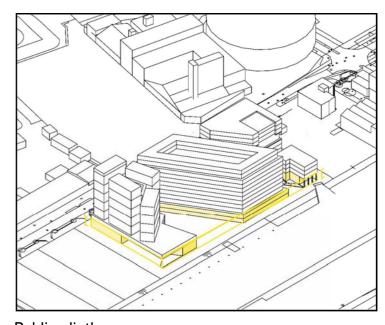




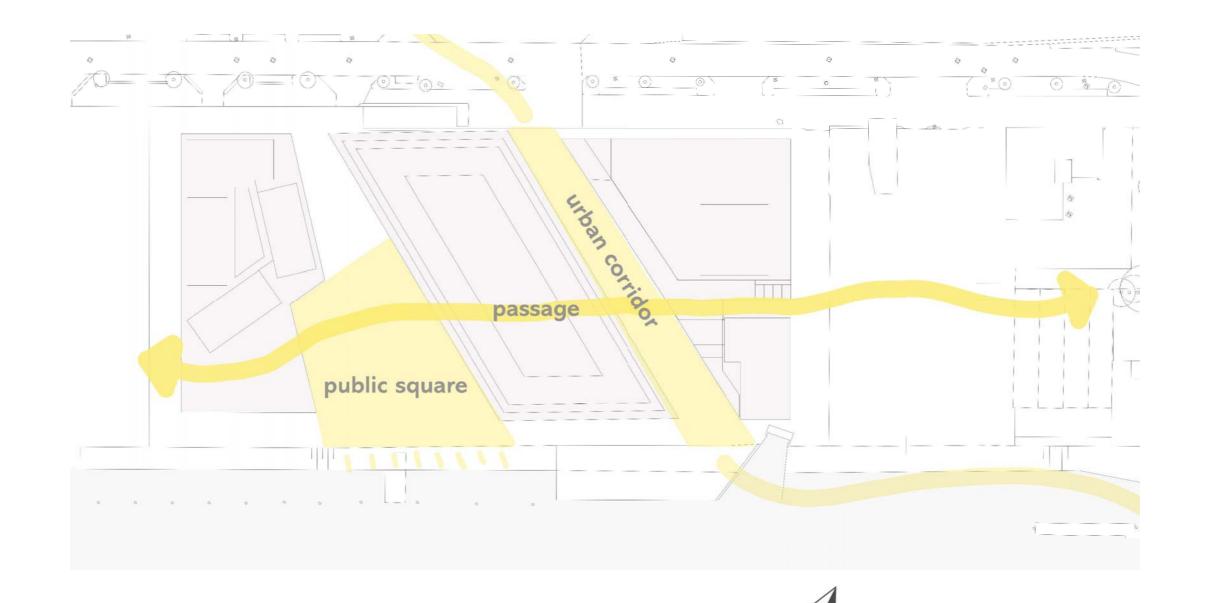
Activated core
programmatic activation of the core, with
productive functions placed in the middle

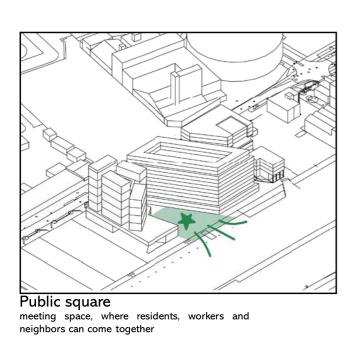


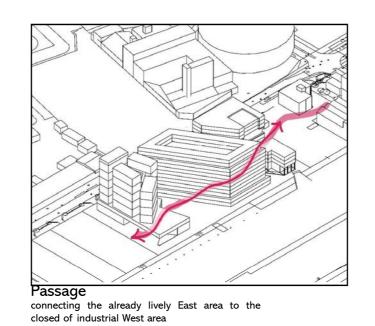
Stepping down towards the water connection from building to the waterfront

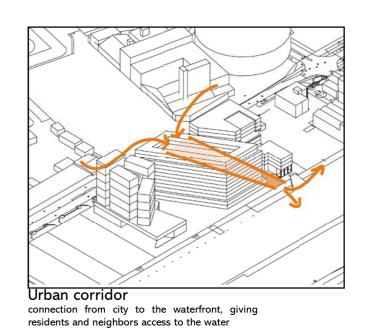


Public plinth
active plinth with (semi) public functions,
activating the lower floors and introducing the
scale of the human body into the neighborhood

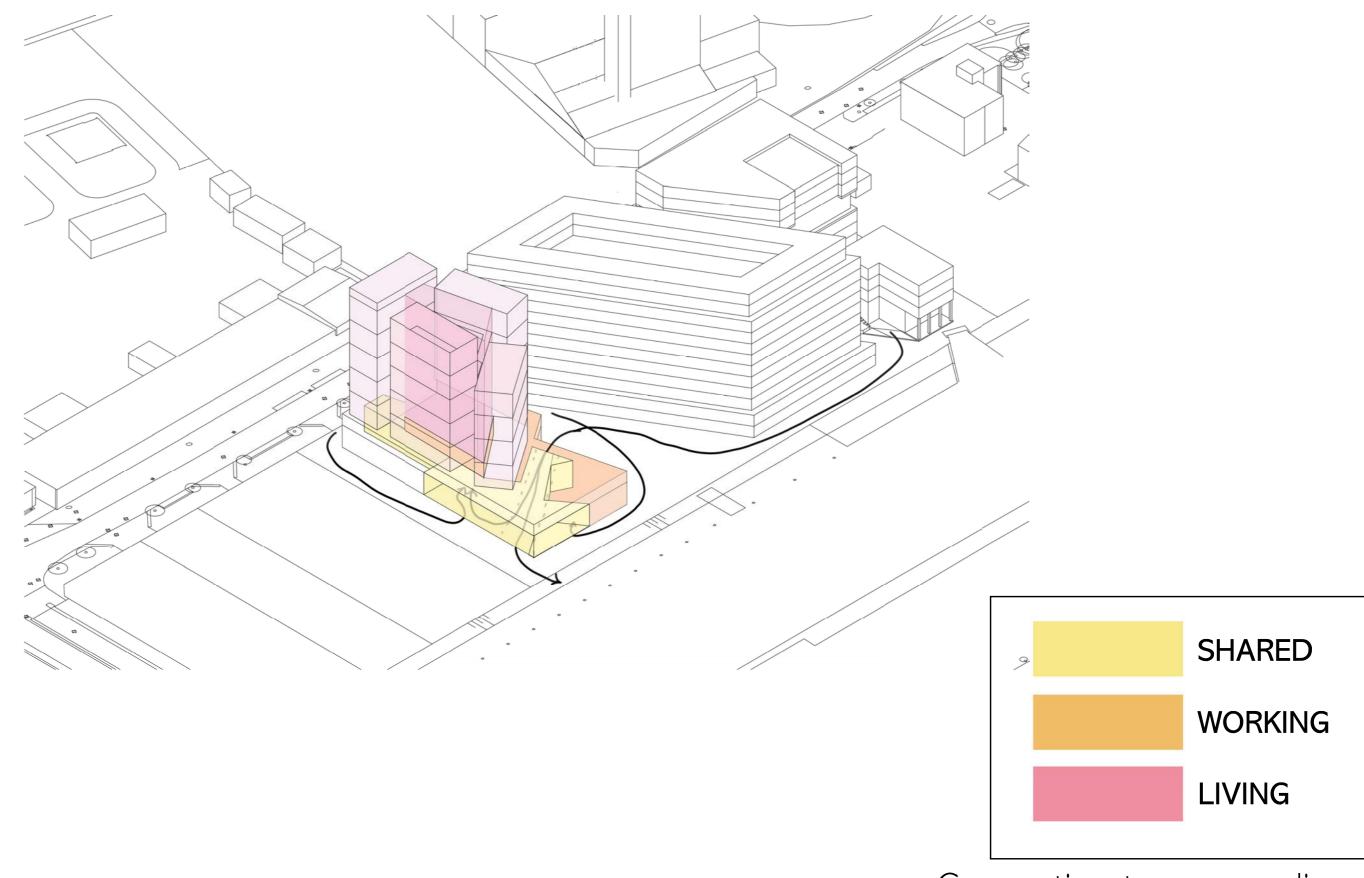




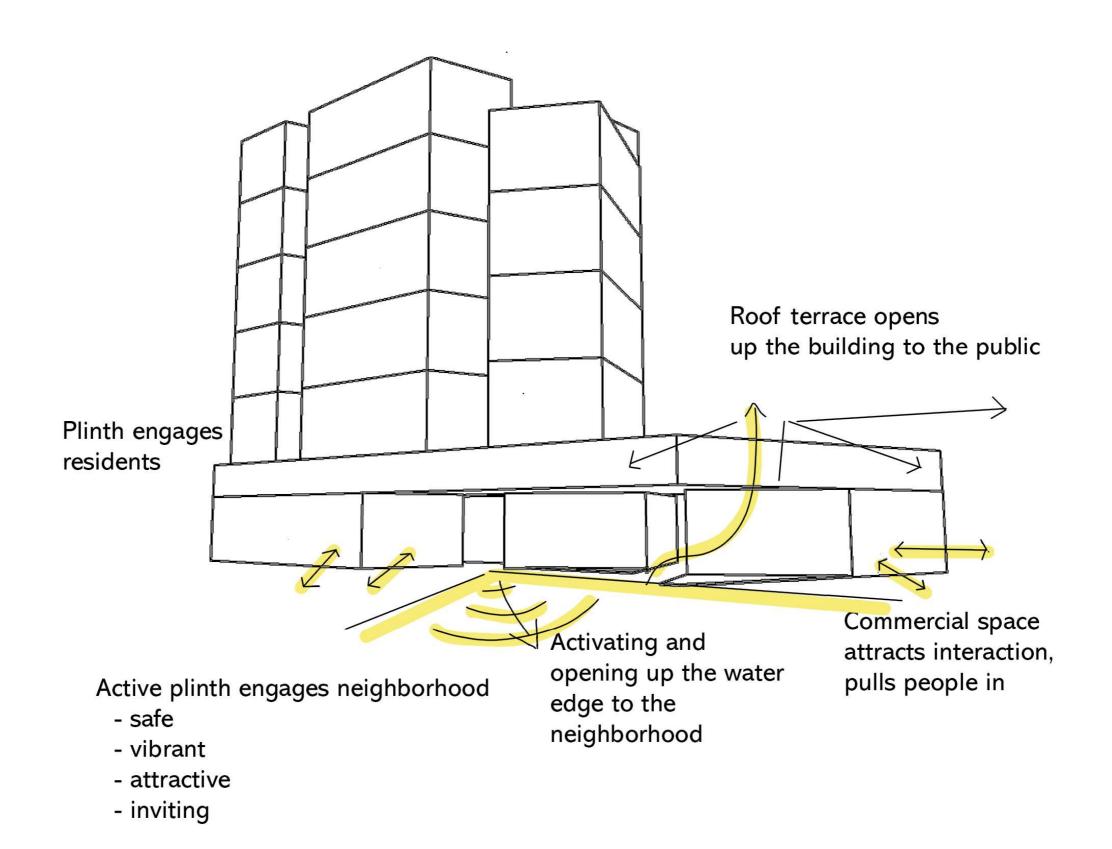




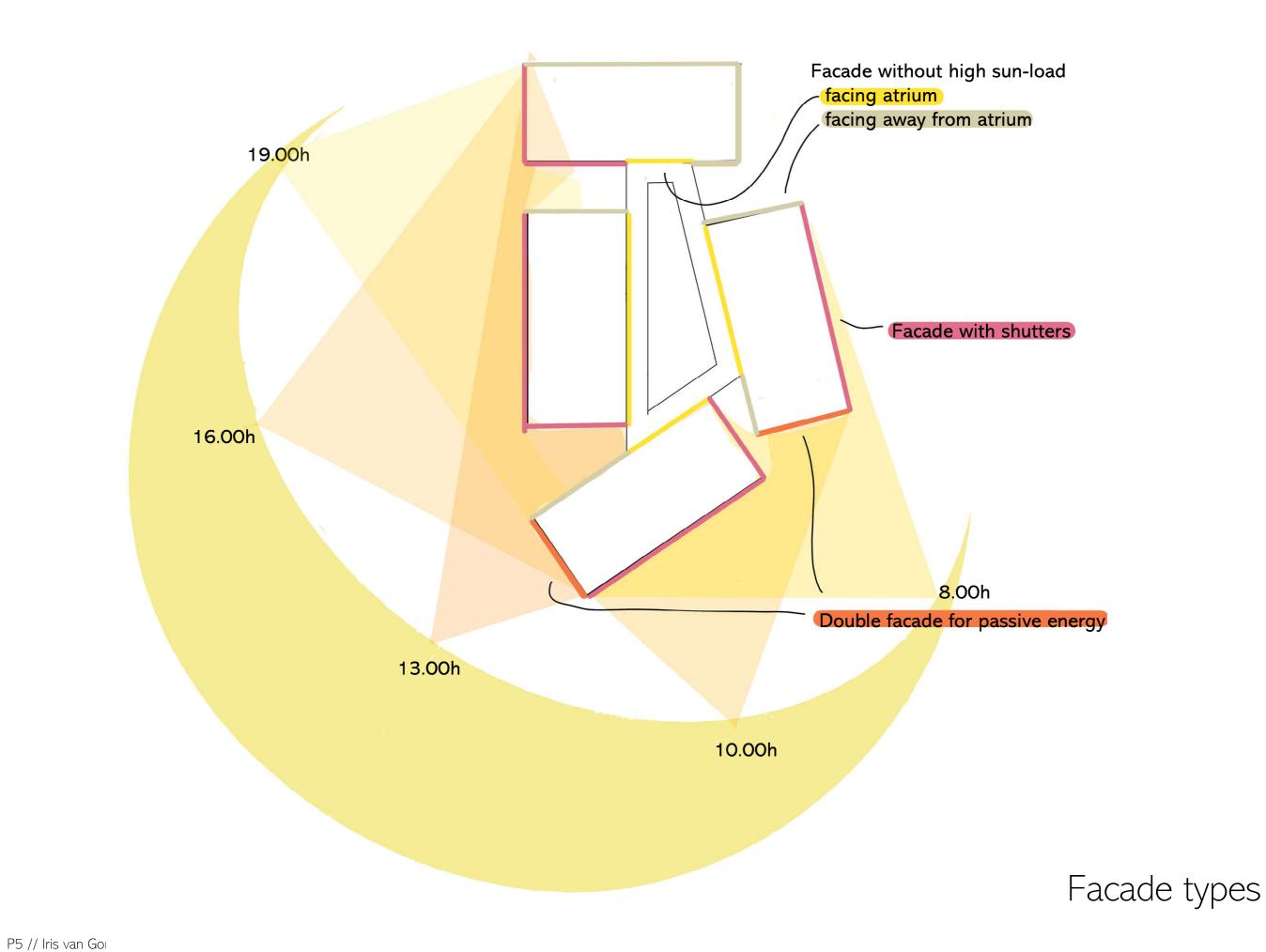
Masterplan Group

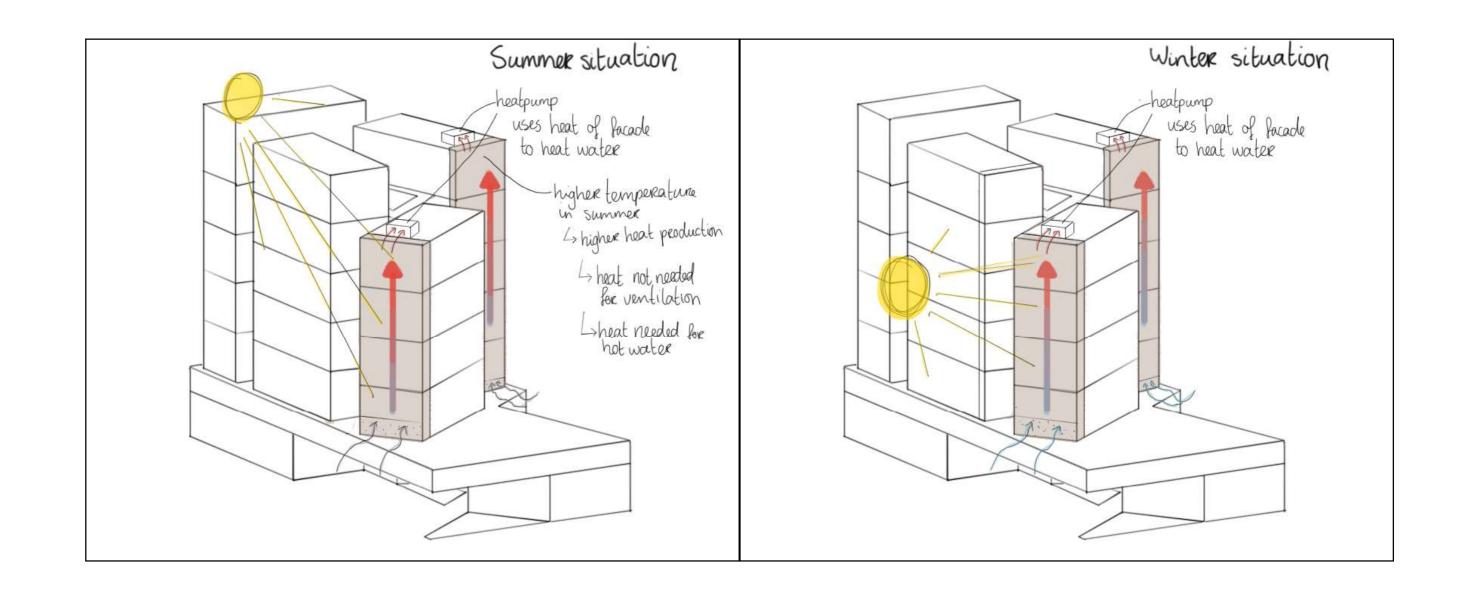


Connection to surroundings

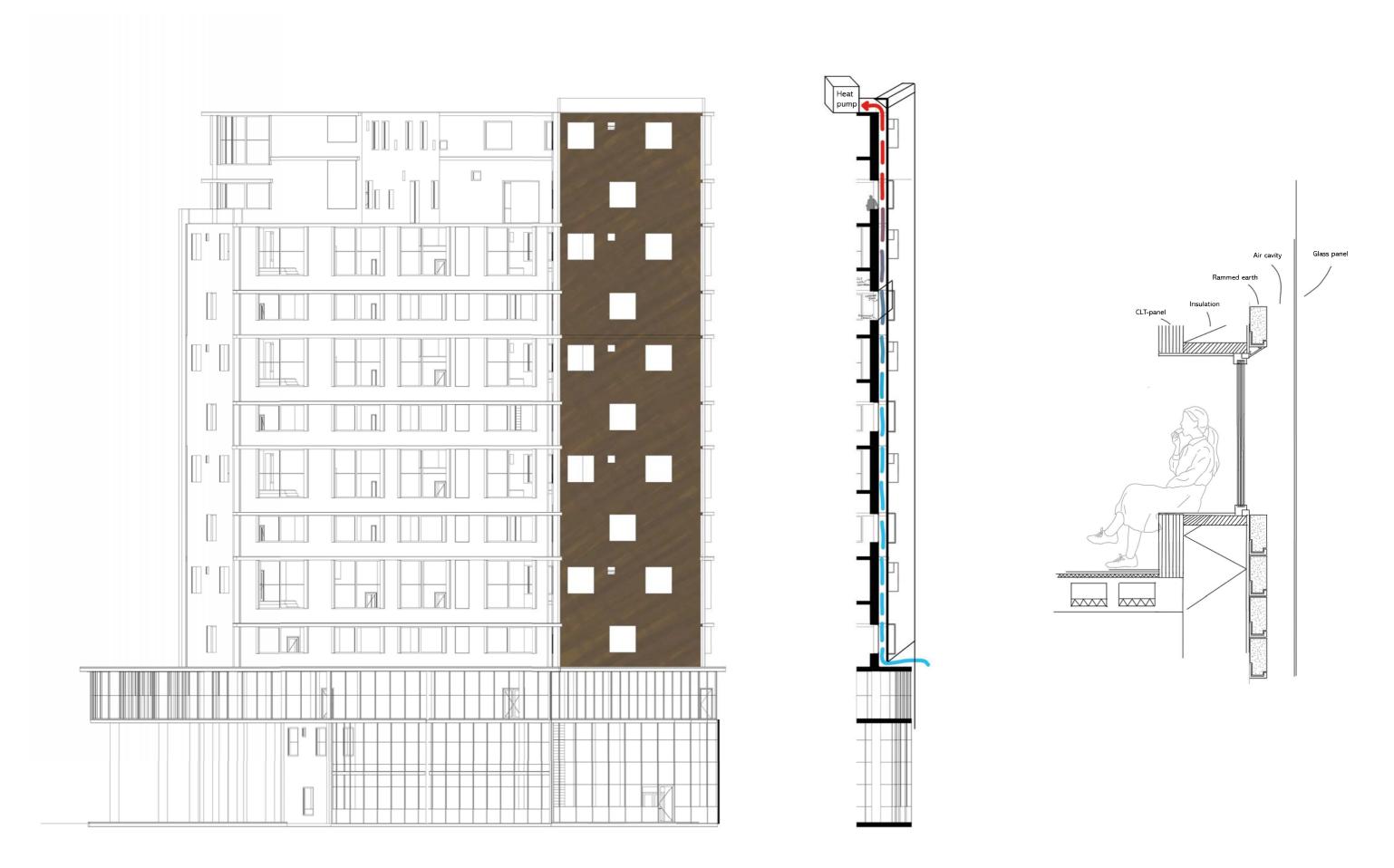


Impact of volume on surroundings

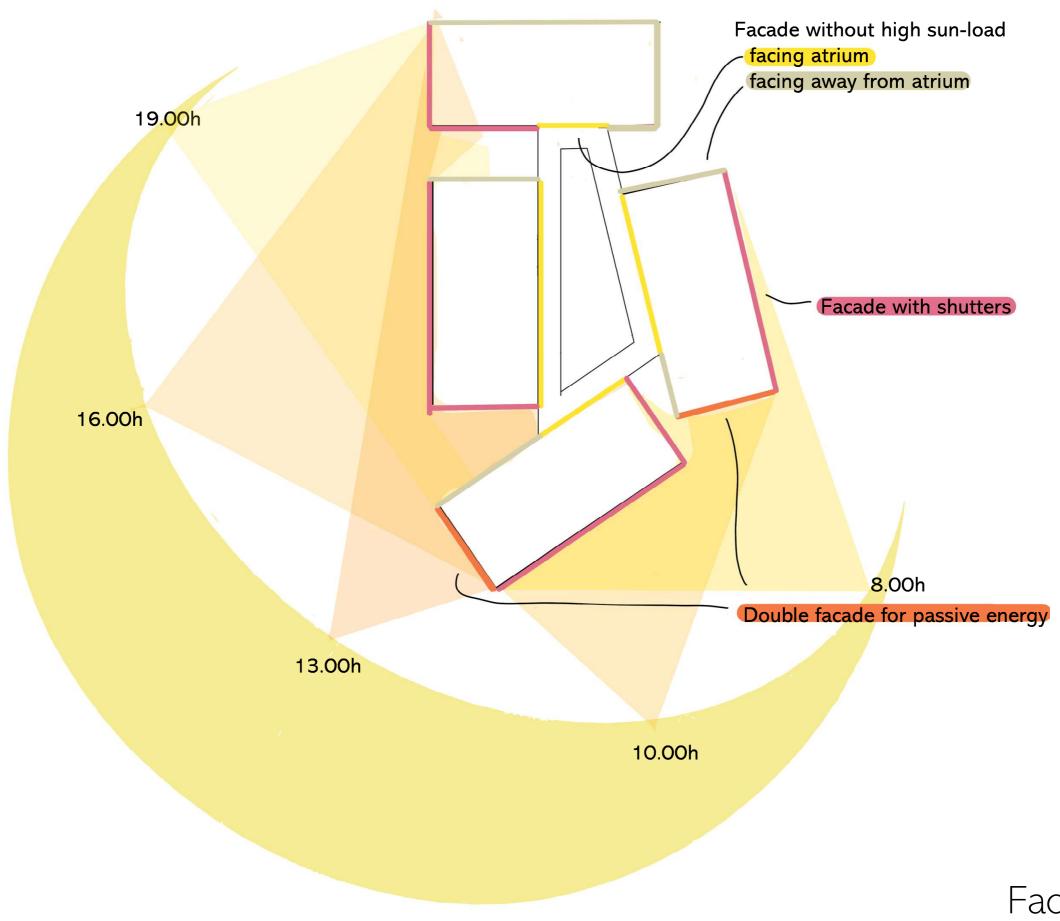


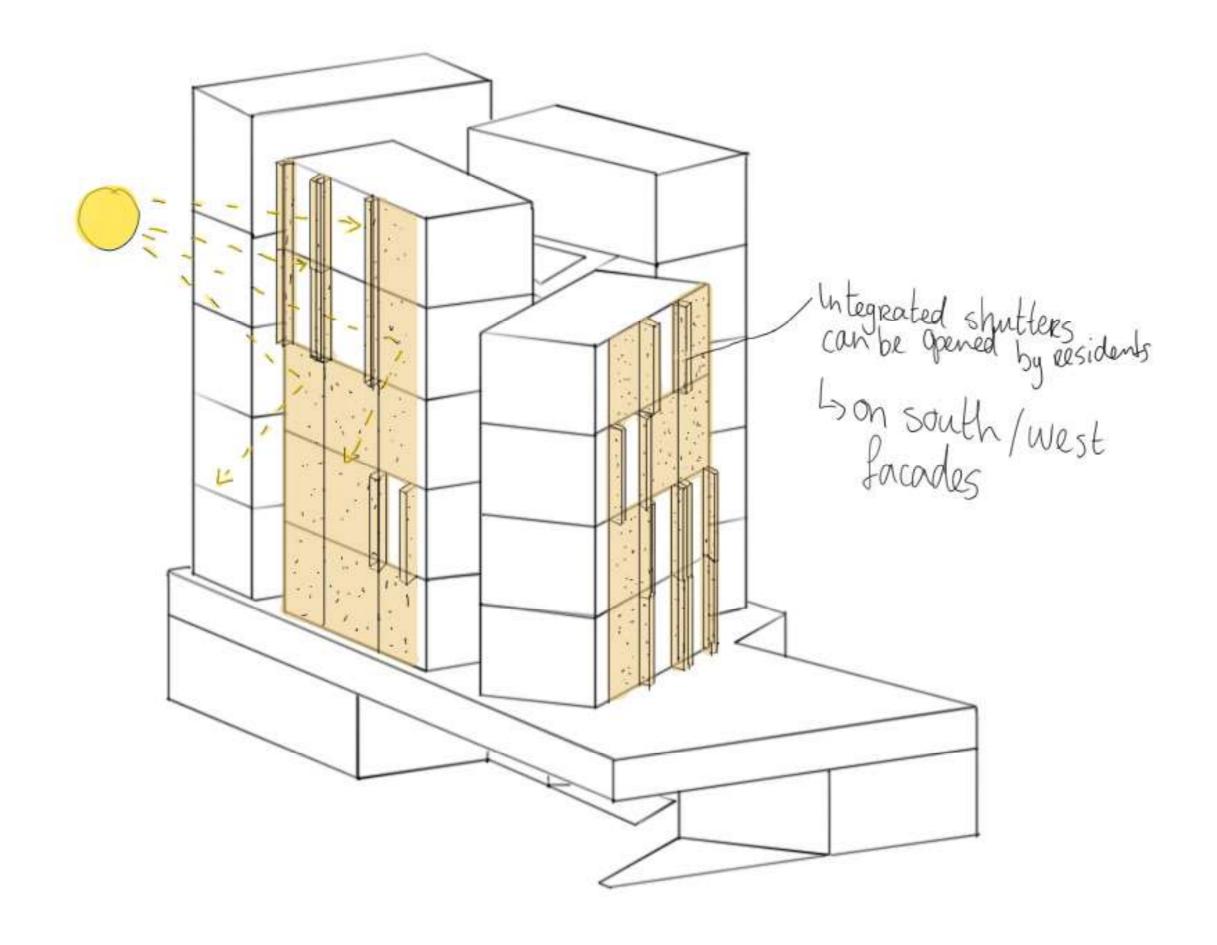


Passive measures -- passive facade for energy collection

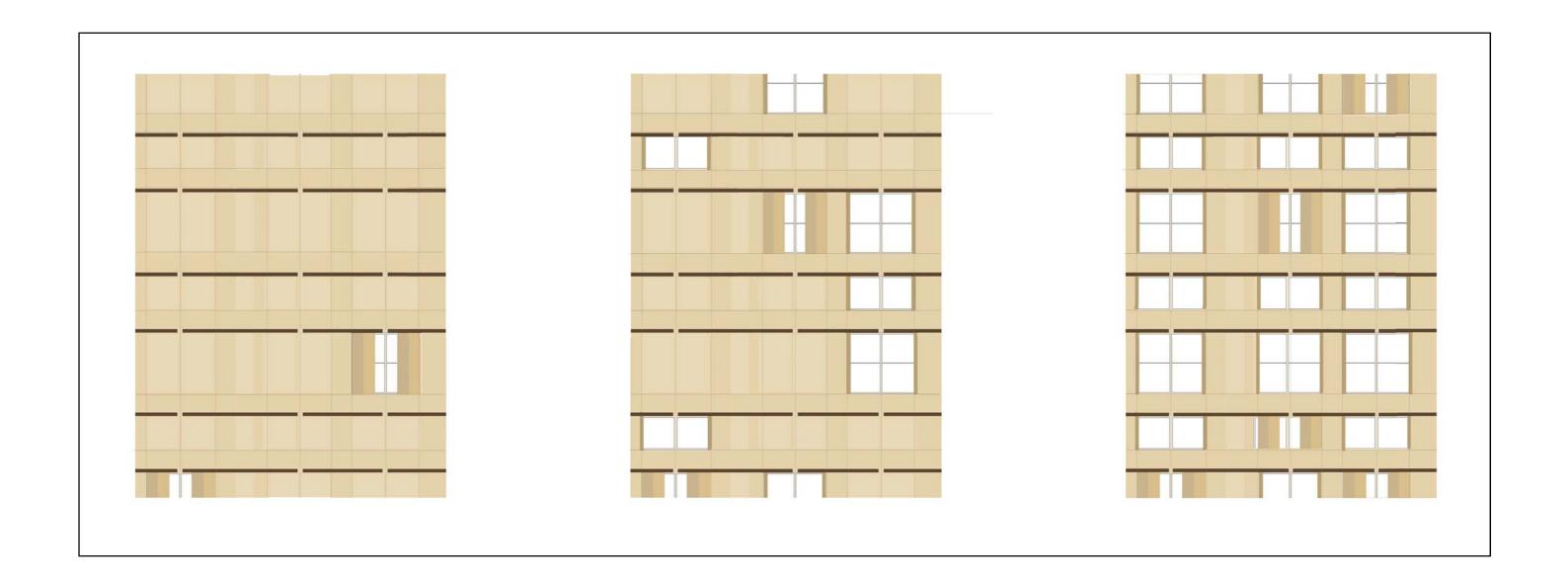


Passive measures -- passive facade for energy collection



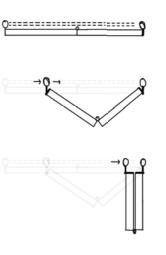


Passive measures -- shutters









Facade materialisation

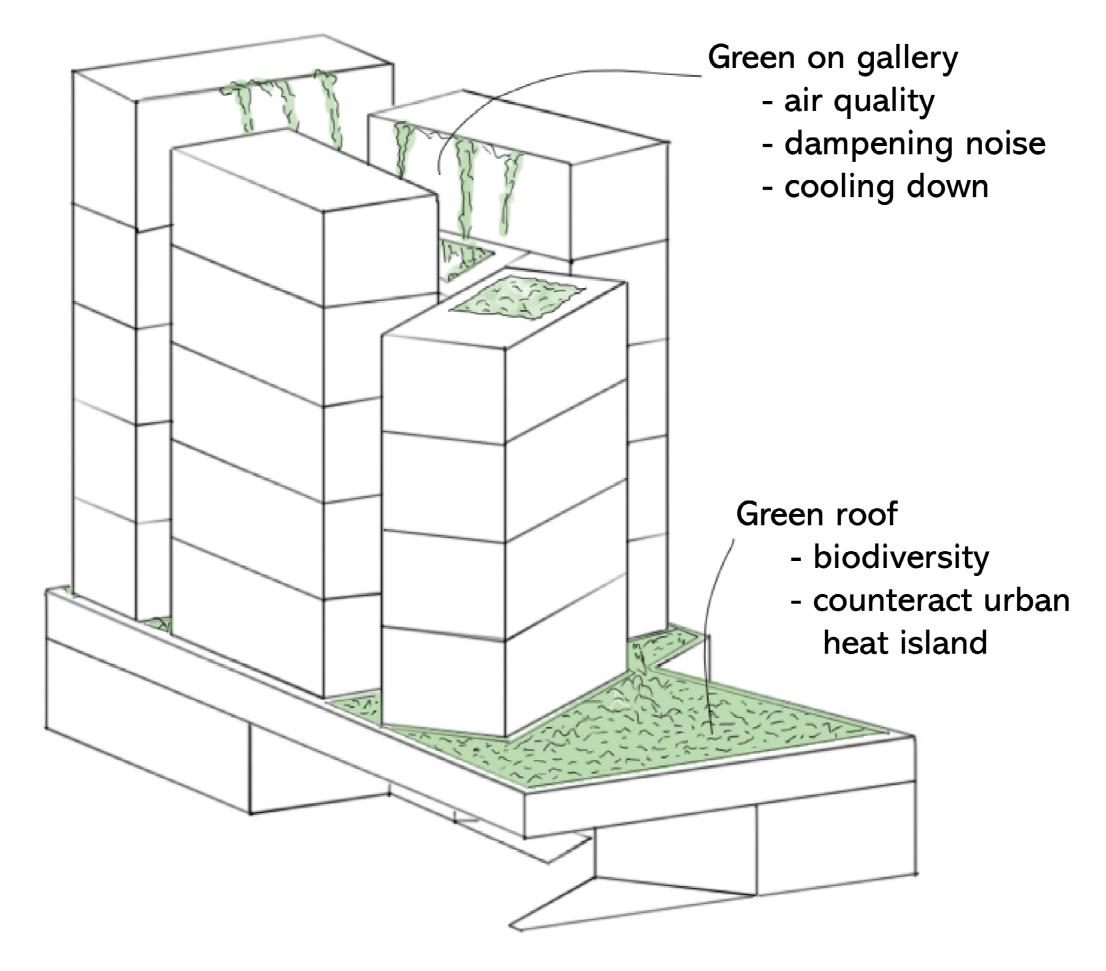


West elevation 1:200

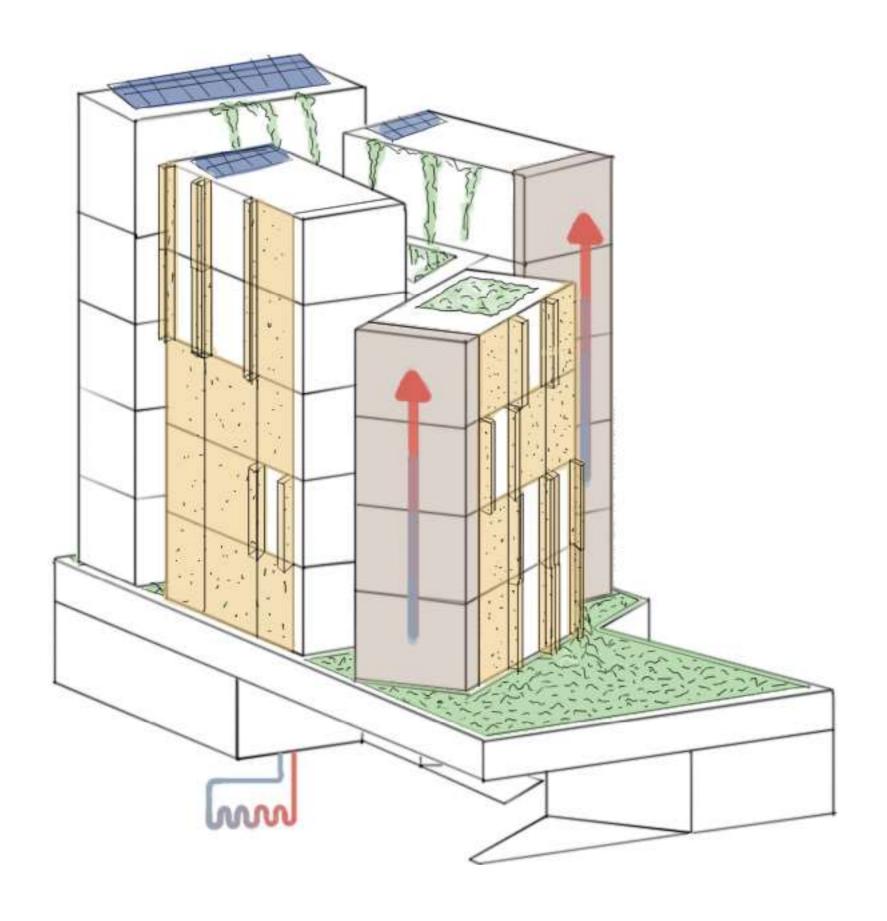




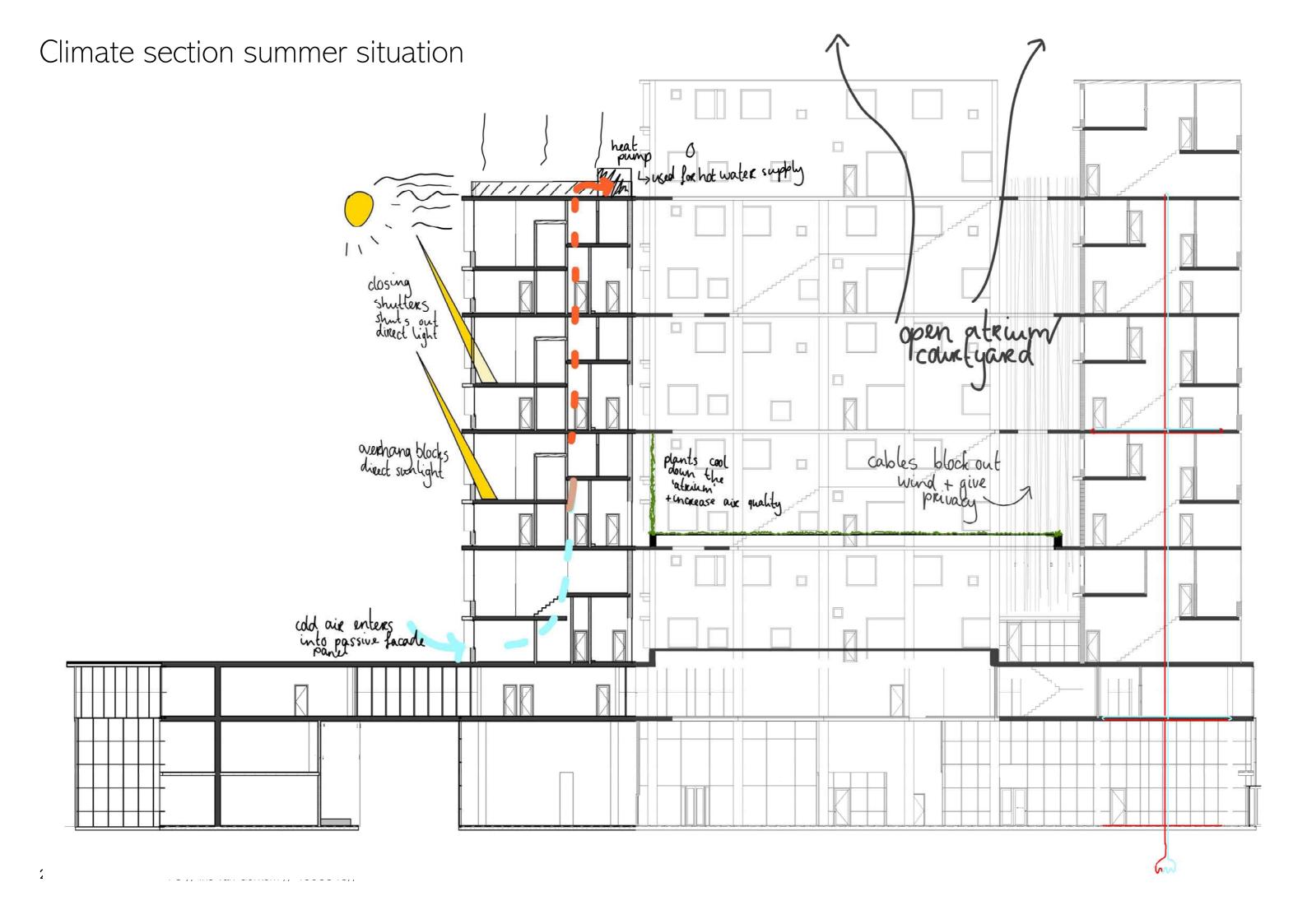
Section 1:200

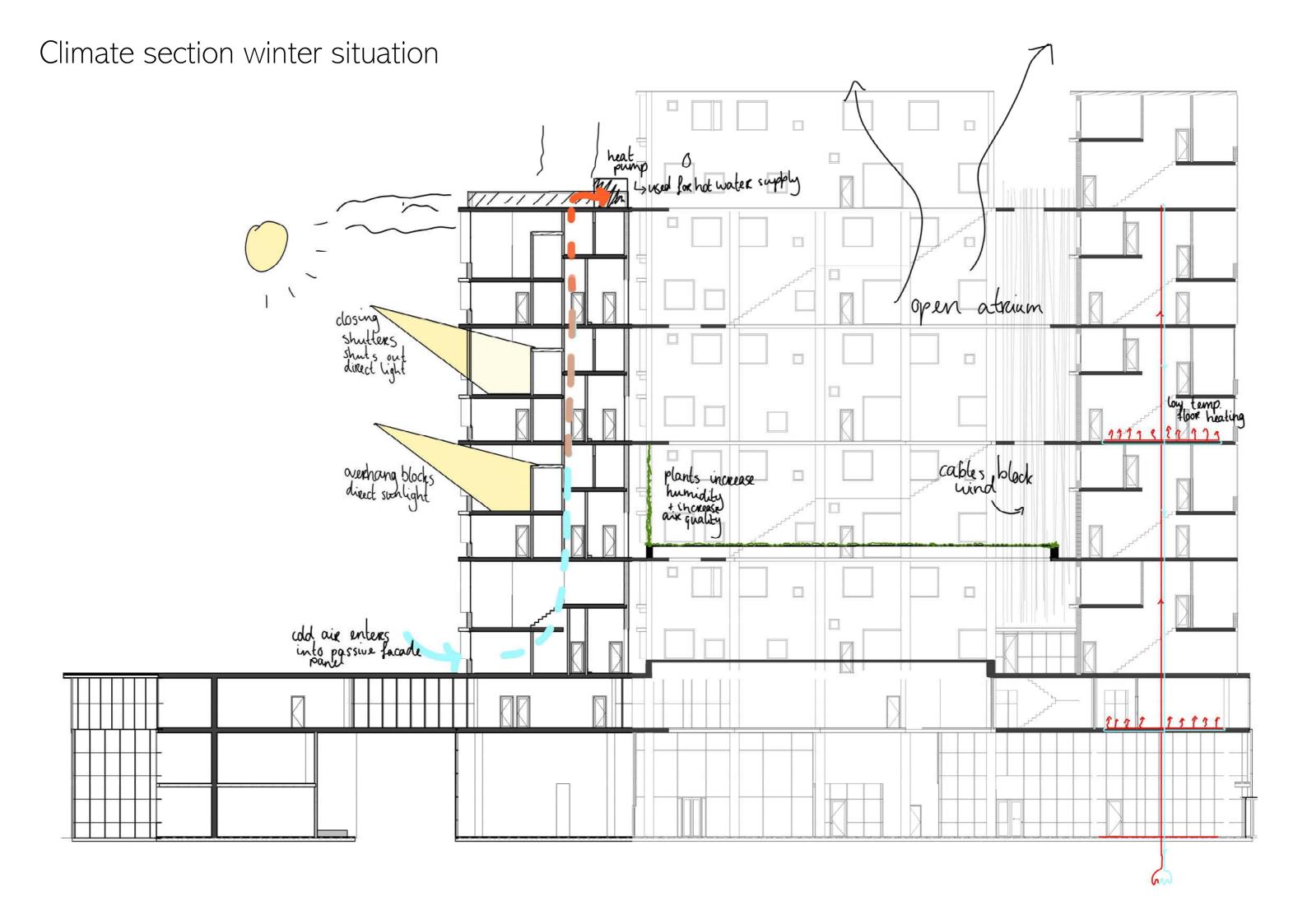


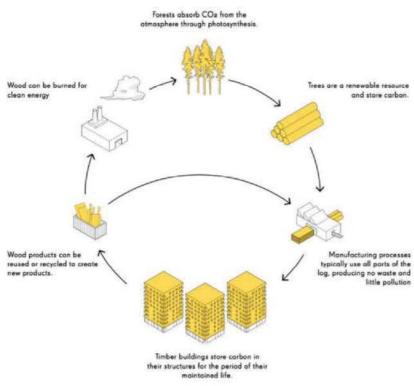
Passive measures -- greenery



Climate summary

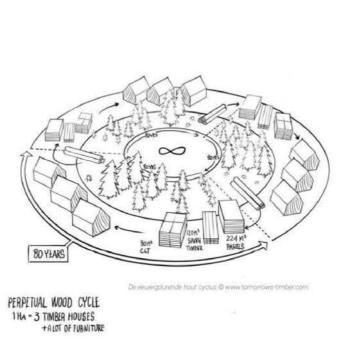


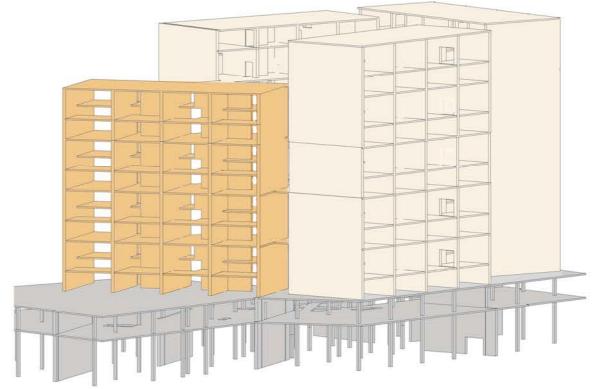


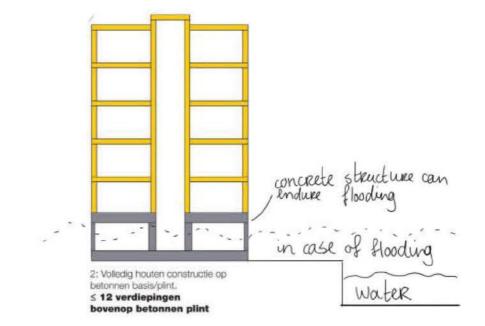


Bouwen in CLT: duurzaam en circulair - ID Waugh Thistleton Architects

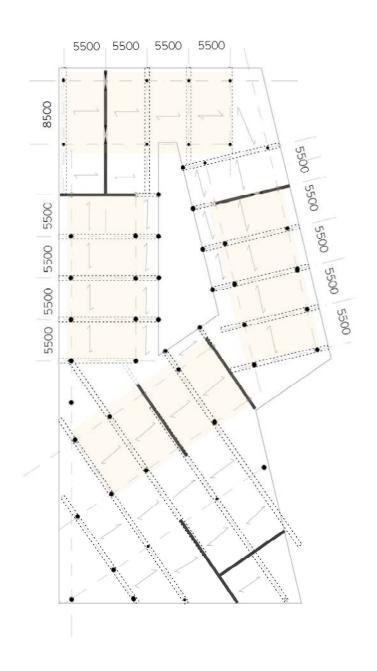
Manufacturing processes typically use all parts of the log, producing no waste and little pollution

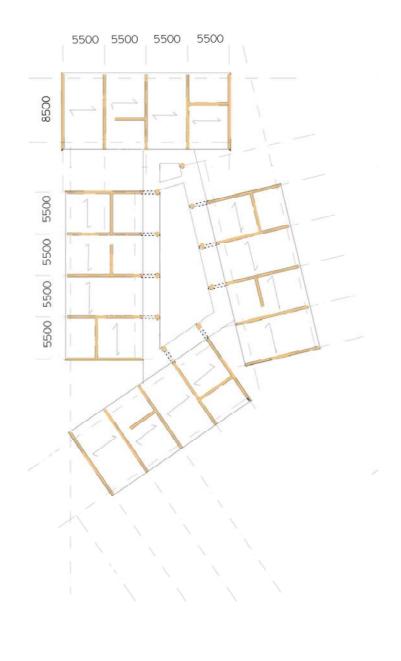




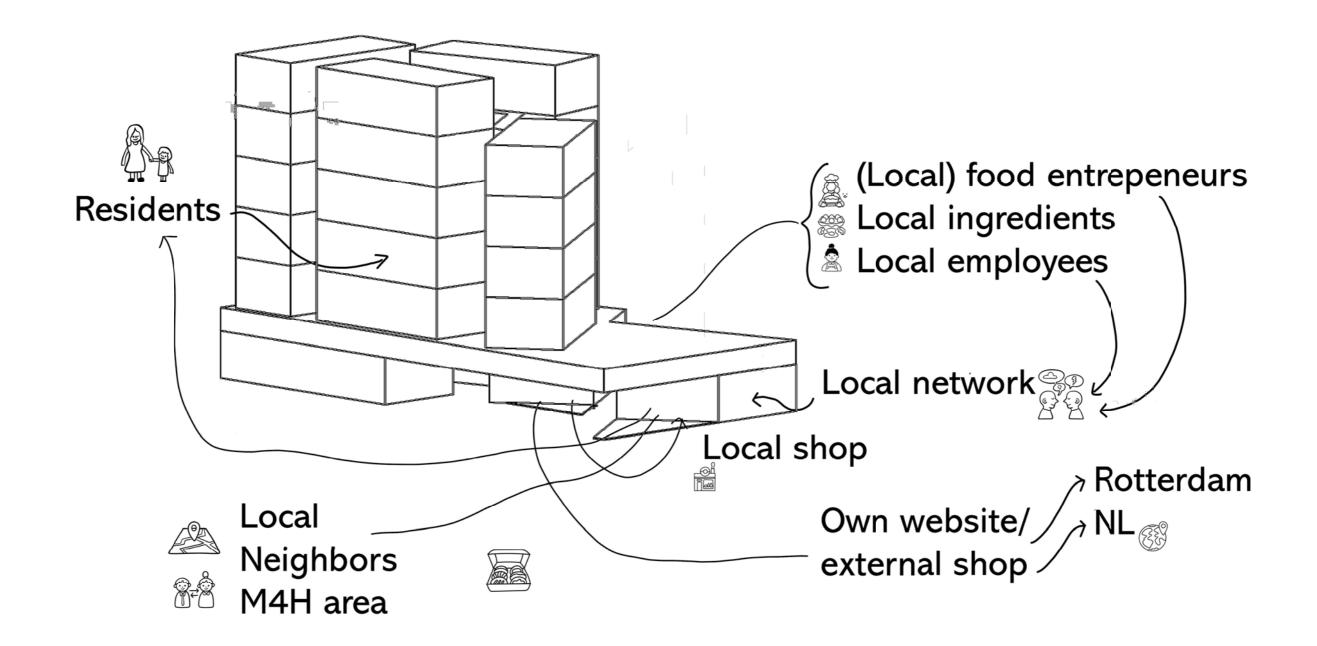


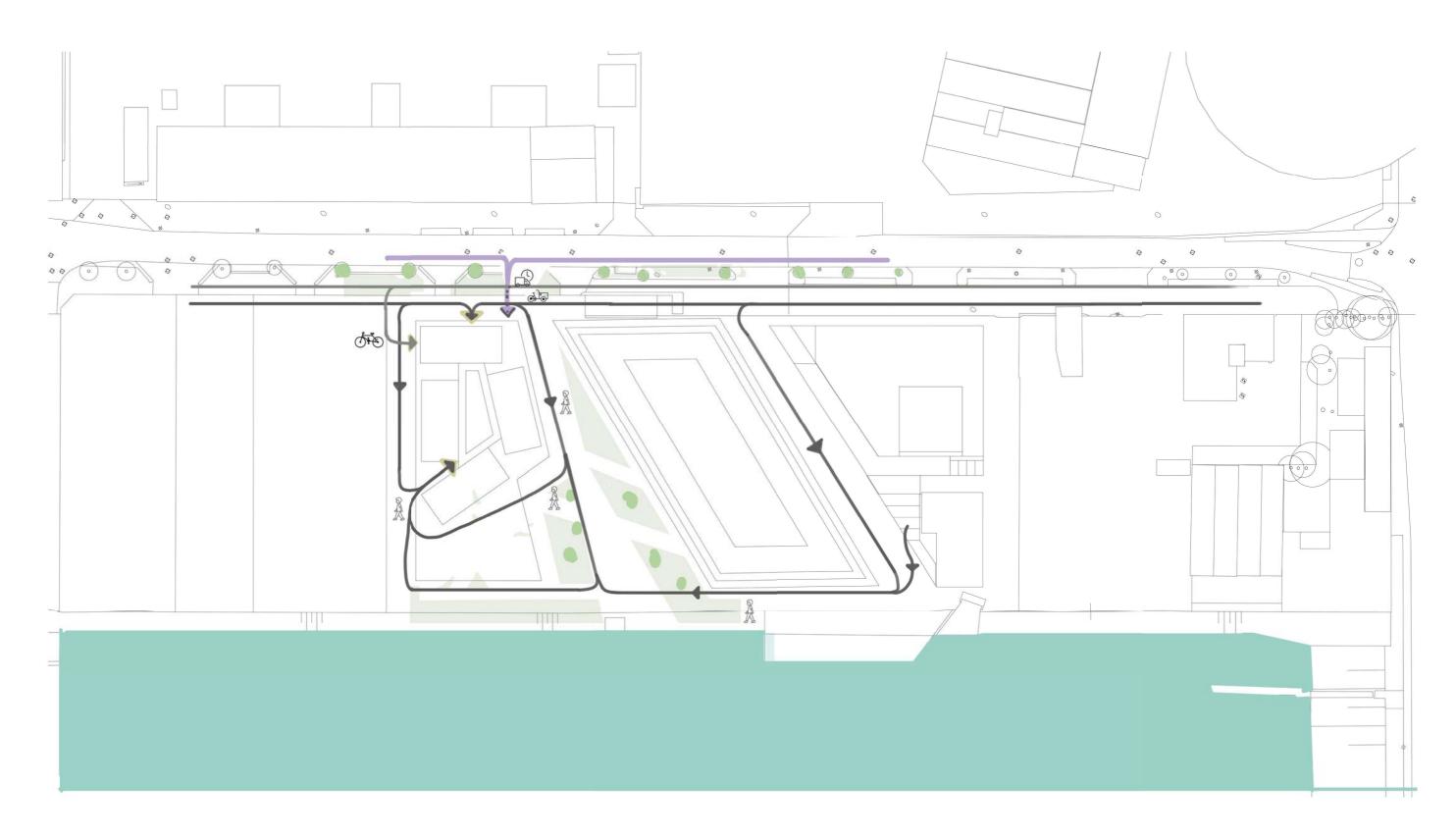
Load bearing structure



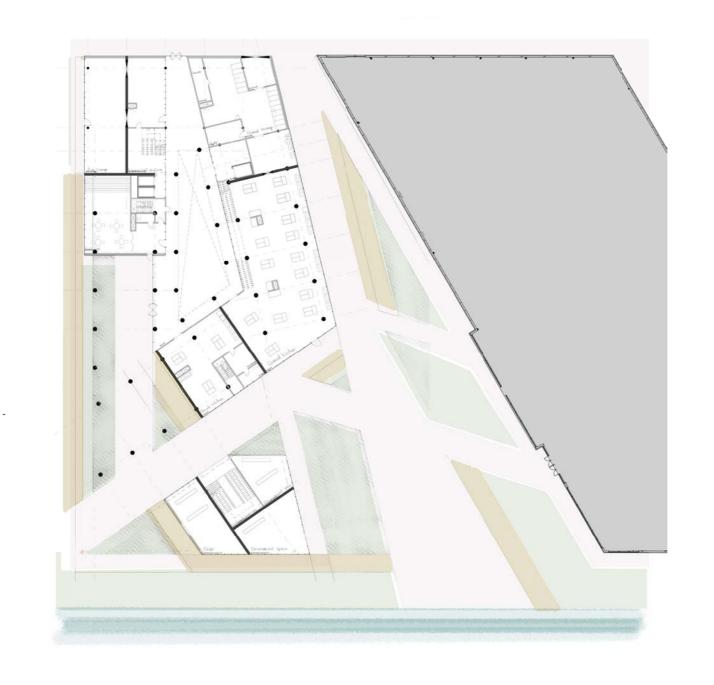


Load bearing structure

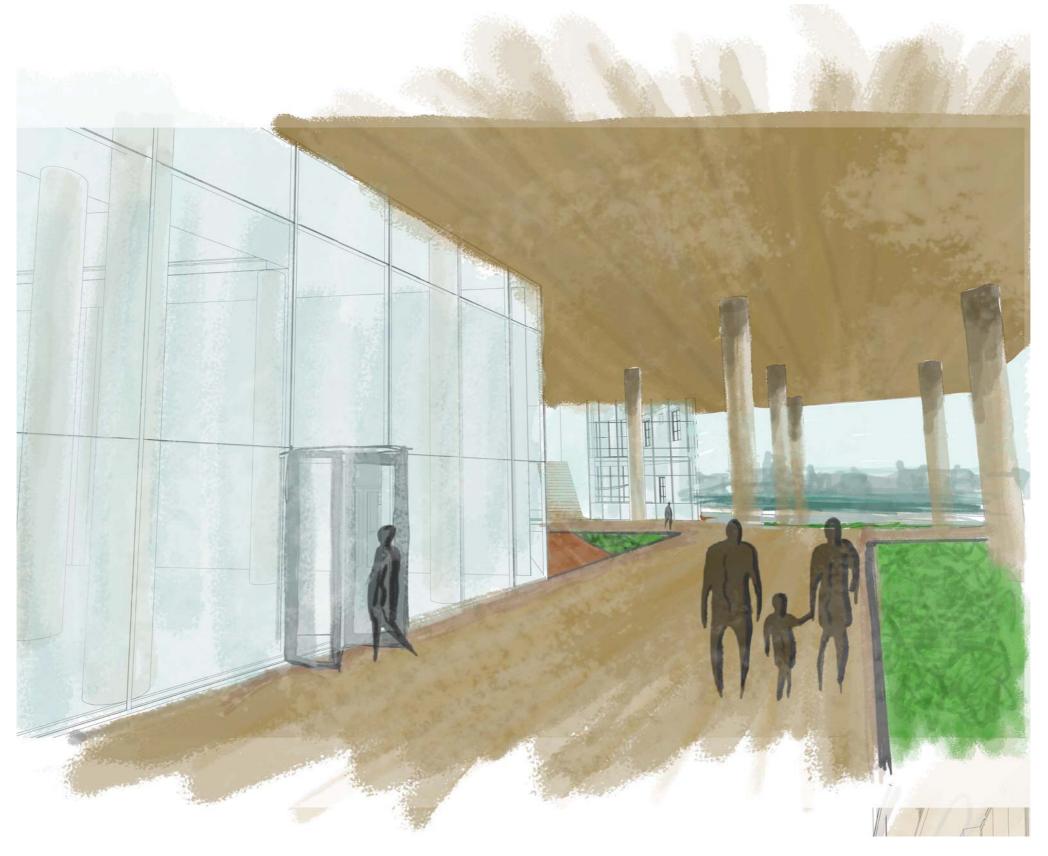




Green, water, access, traffic



Situation plan 1:500



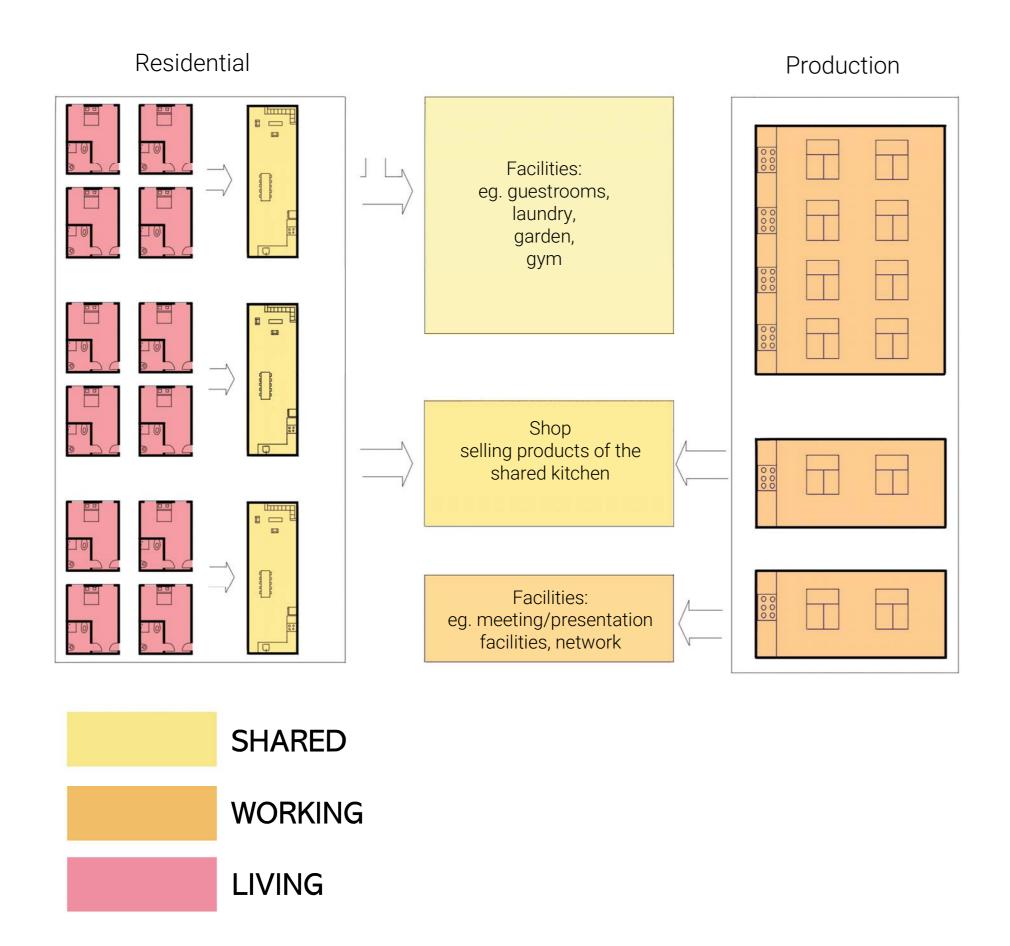
Impression outside

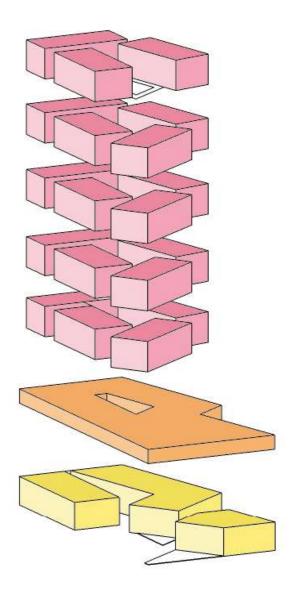


Impression public roof terrace 1



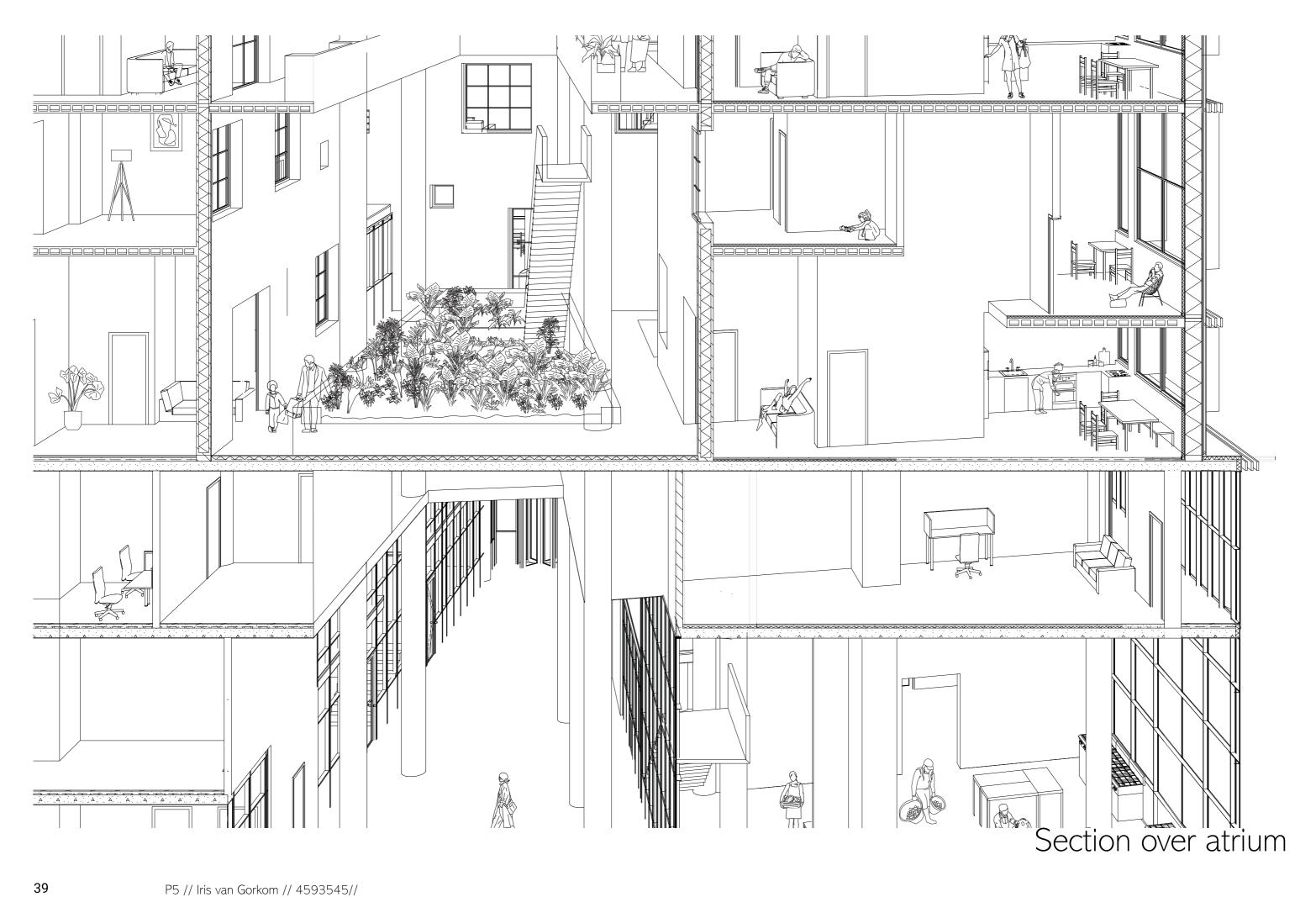
Impression public roof terrace 2

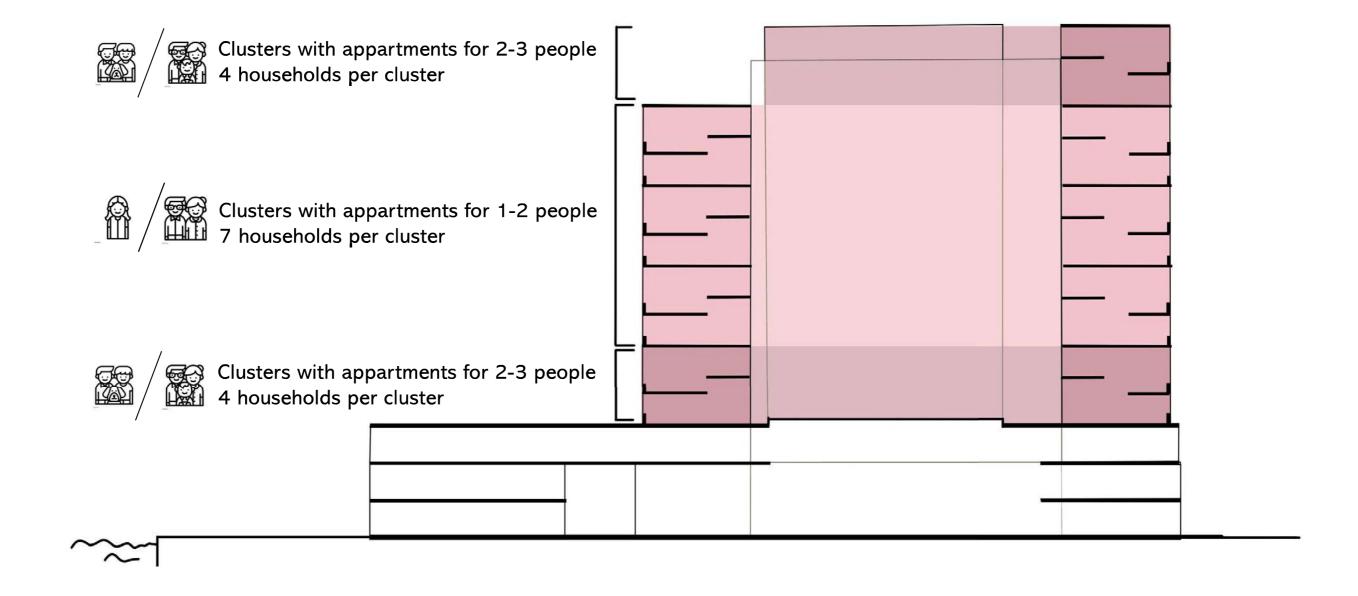


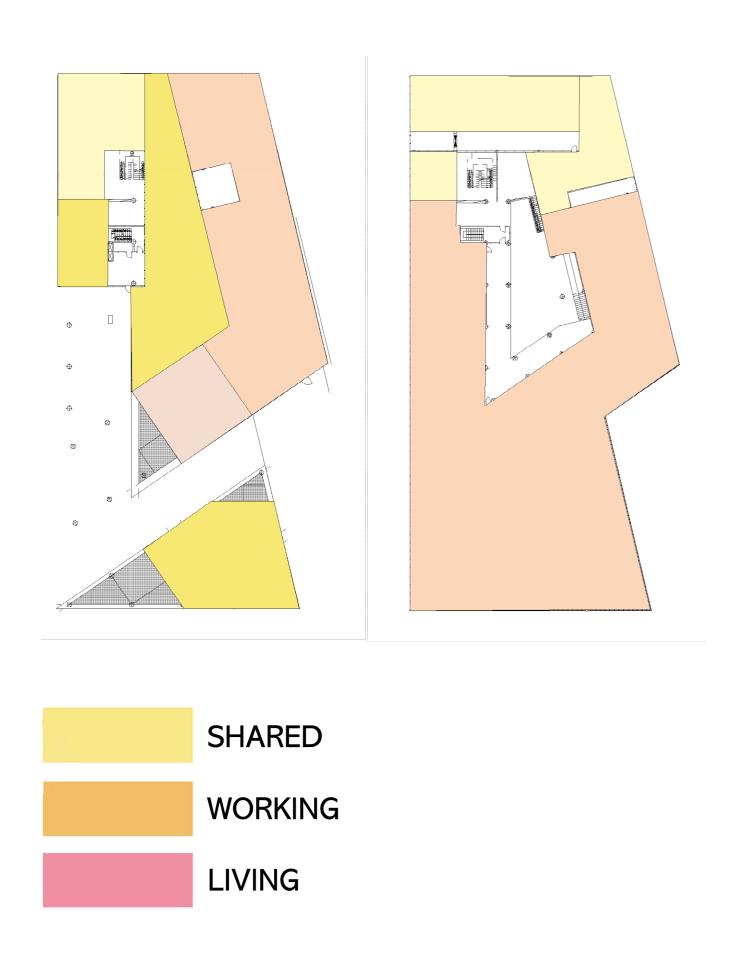


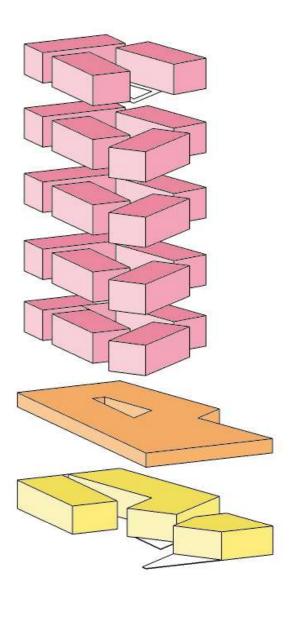
Levels of sharing

Shared (total: ~600m²) atrium: 300m² event space: 100m² commercial space: 175m² Working (total: ~2000m²) Industrial kitchen: 625m² Office: 760m² Break/ chill area: 400m² Traffic space: 240m² Living (total: \sim 6600m²) Shared functions (laundry/guestrooms/trash etc): 250m² Storage: 475m² Collective living rooms: 950m² Private apartments/rooms: 4150m² Traffic space atrium: 625m² other: 125m² **SHARED WORKING** ~~~ **LIVING** Programme

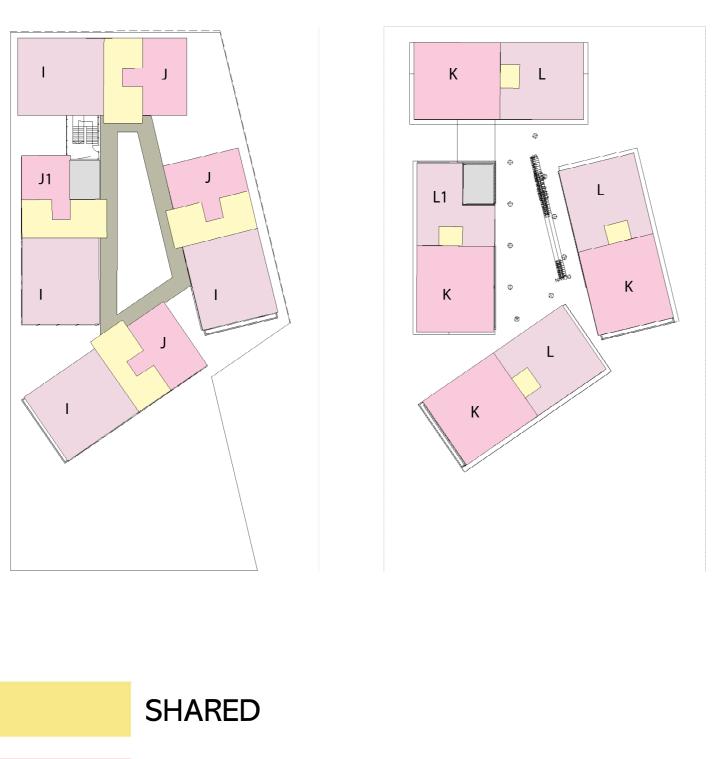


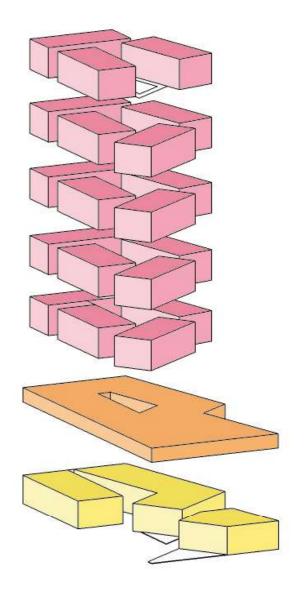


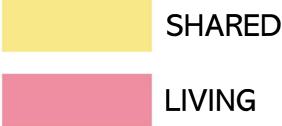




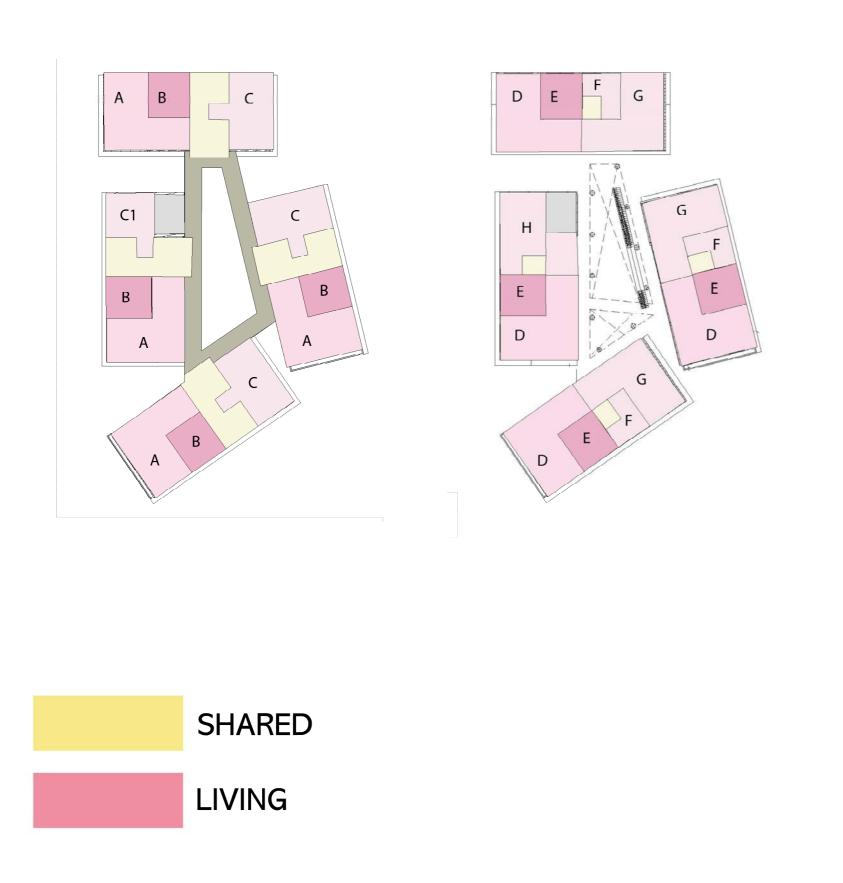
Floor 0-1 levels of sharing

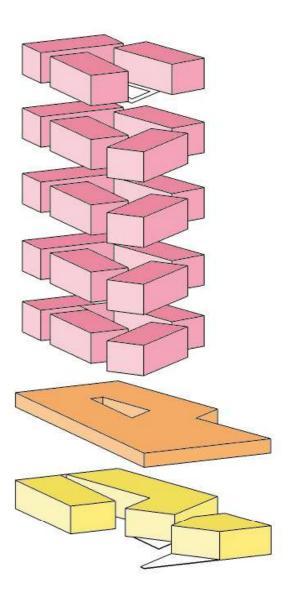




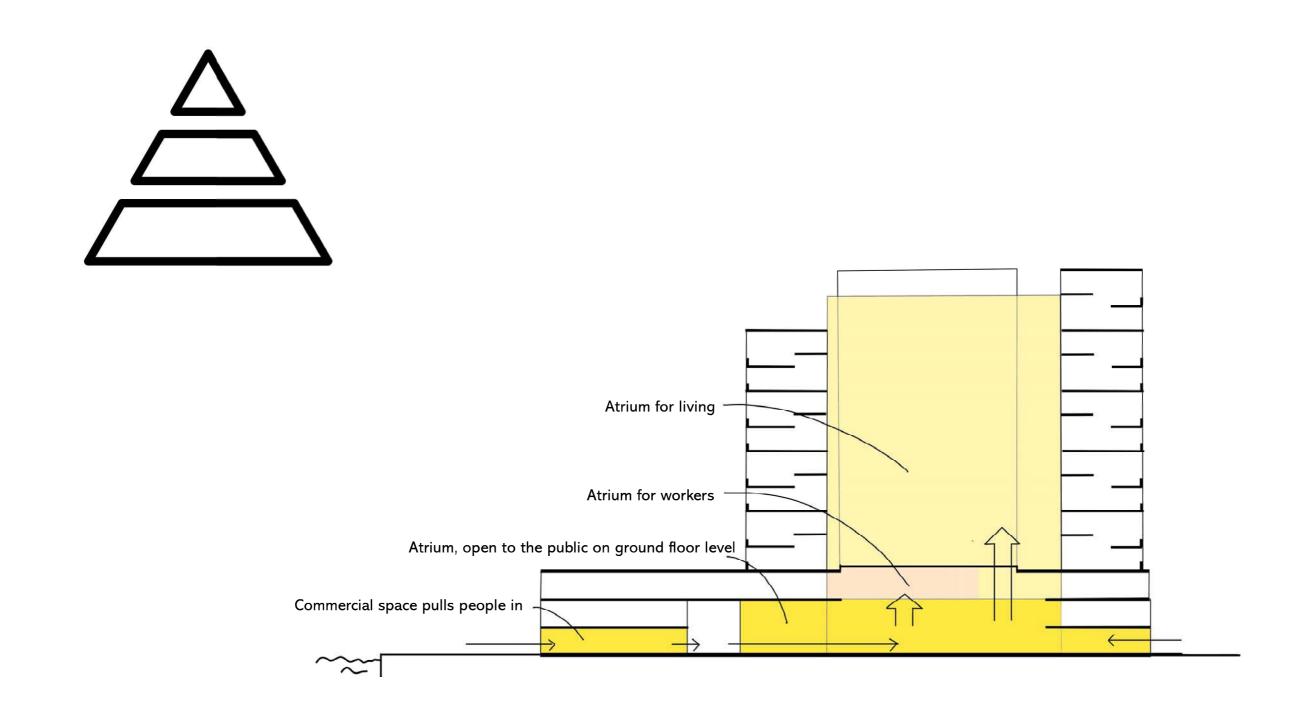


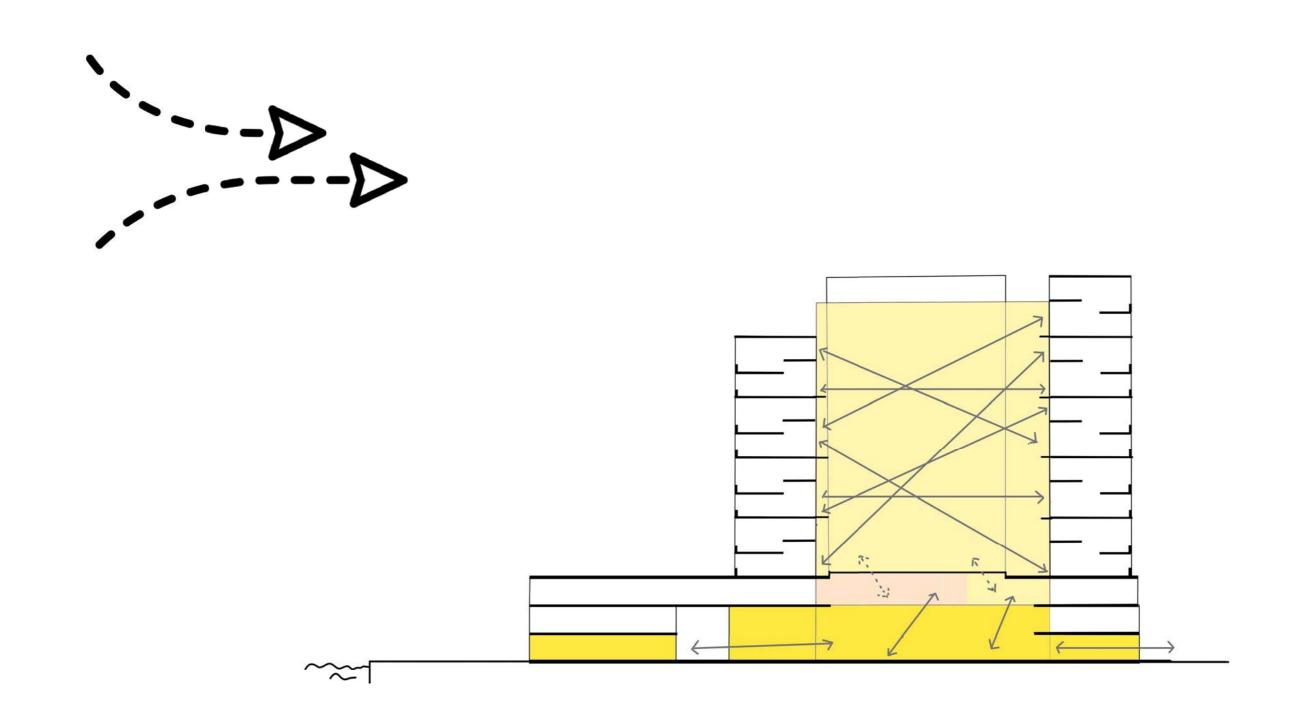
Floor 2-3 levels of sharing



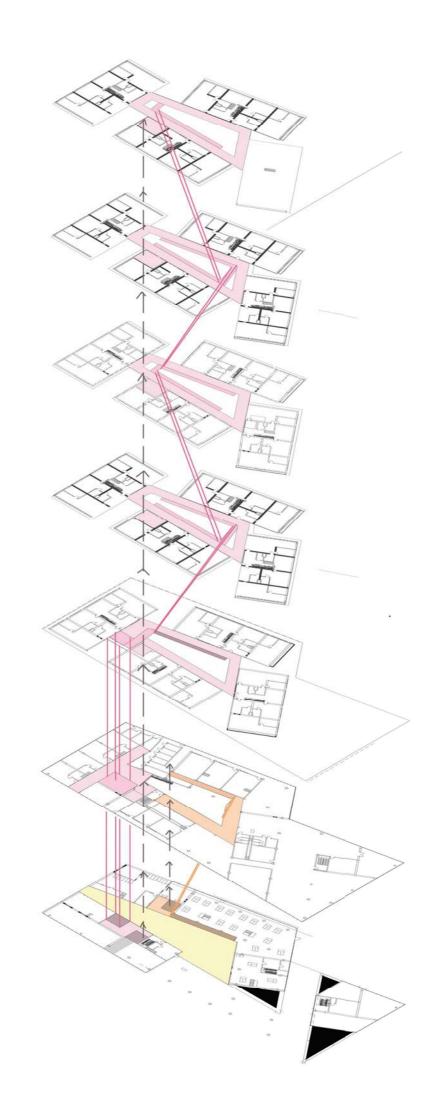


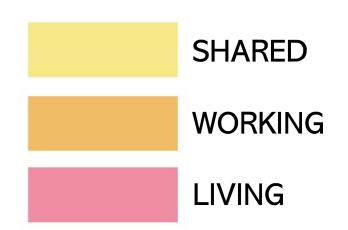
Floor 6-7 levels of sharing





Atrium conncetions





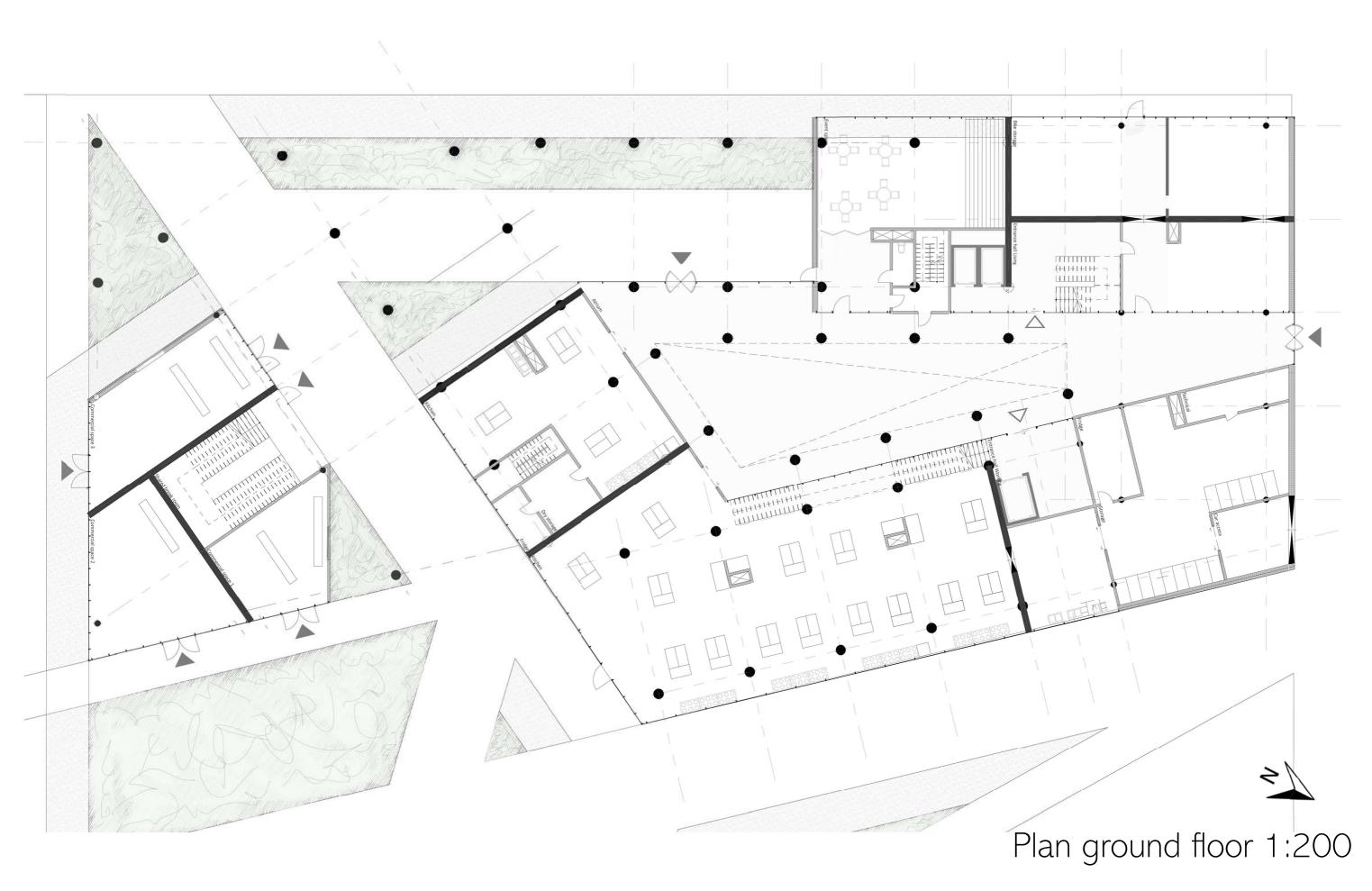
Circulation

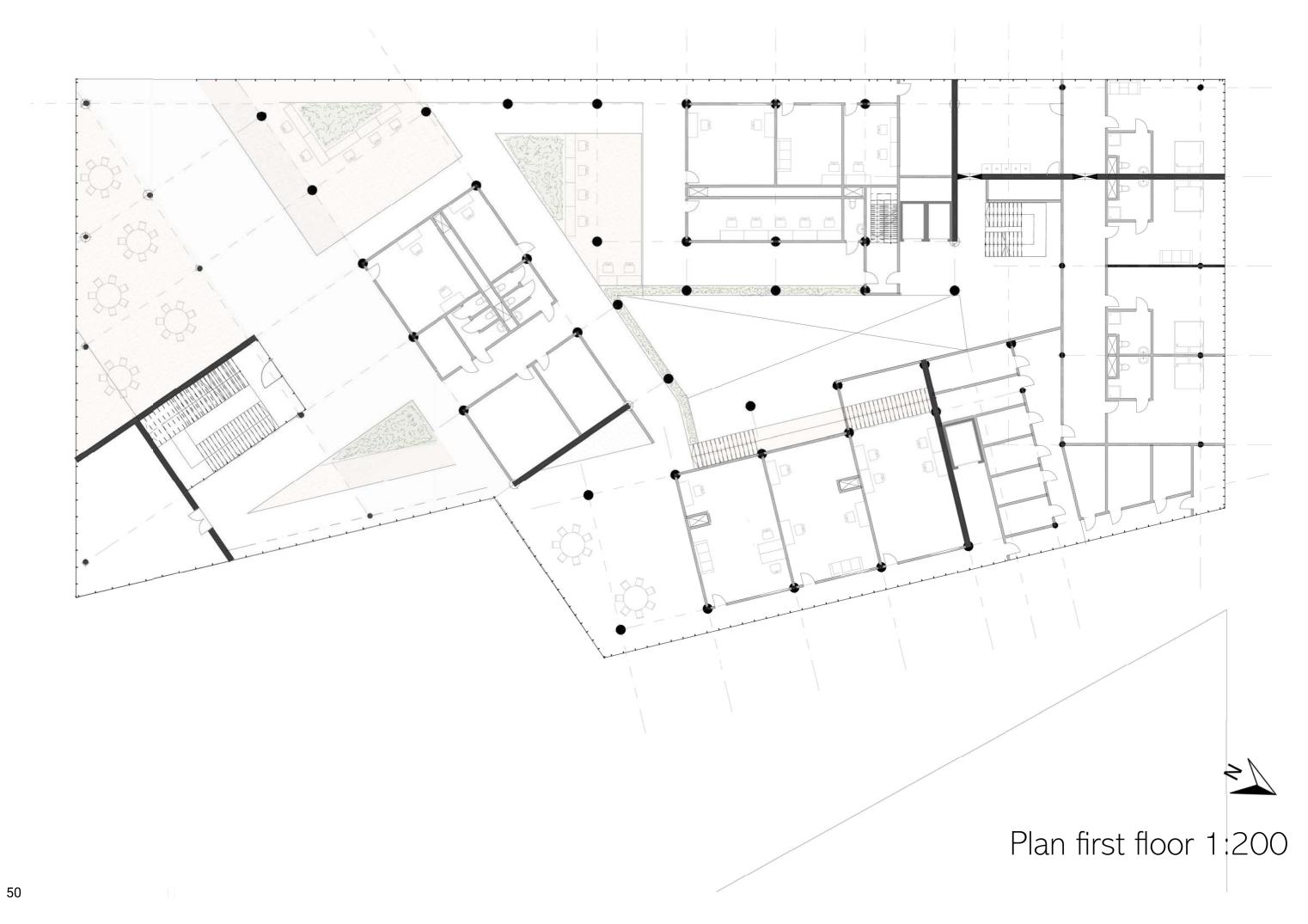


Atrium ground floor impression



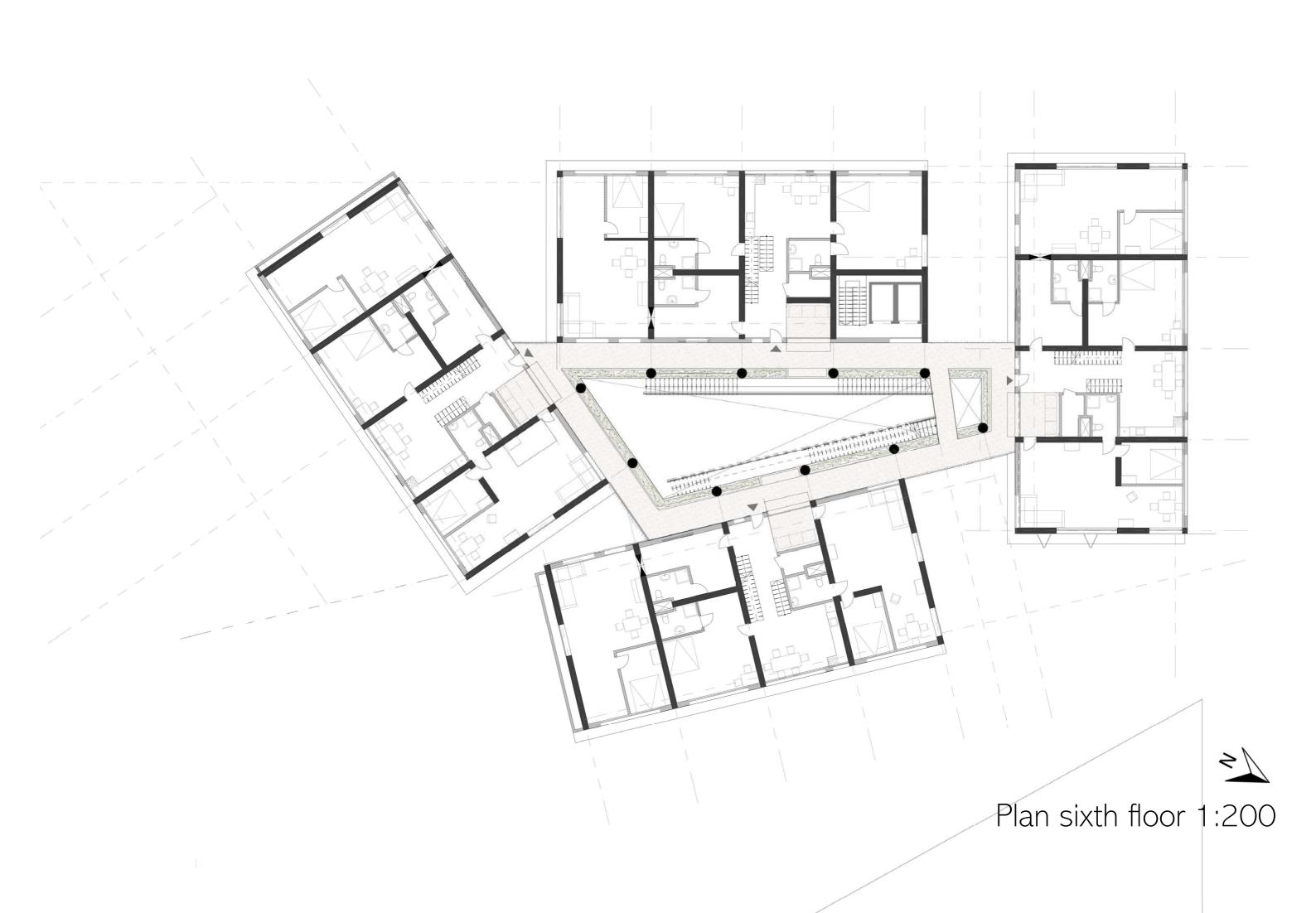
Atrium sixth floor impression

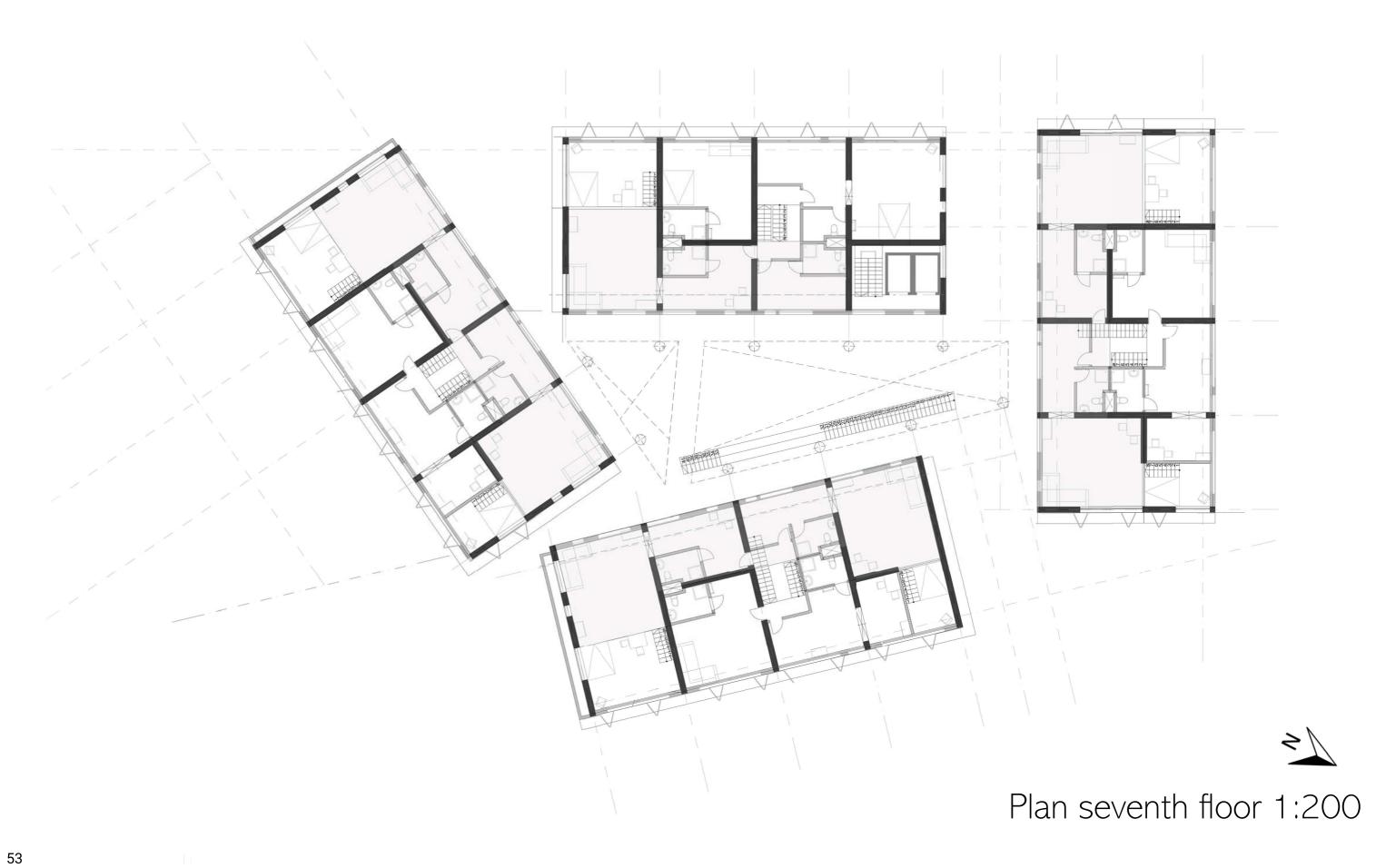


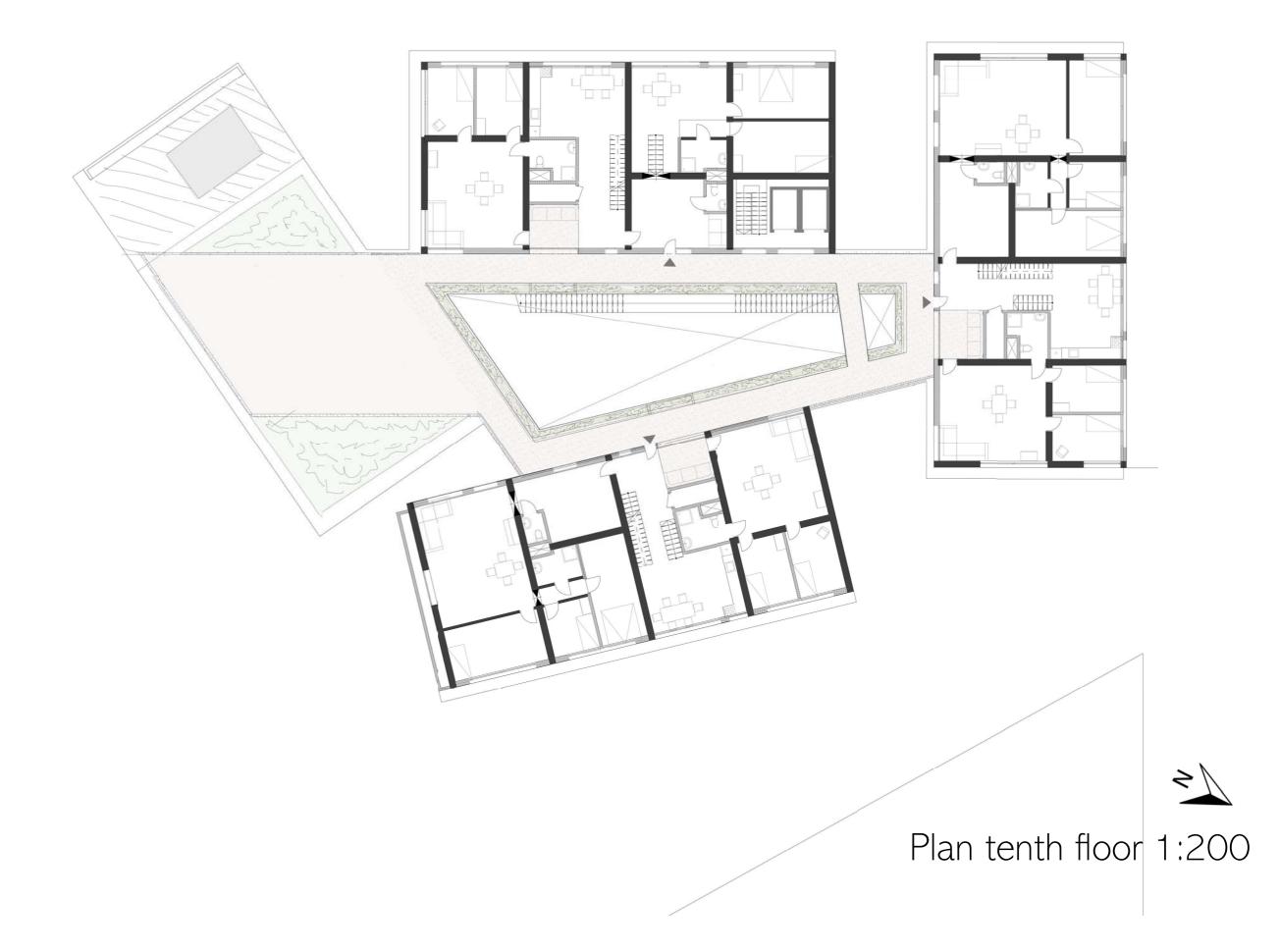


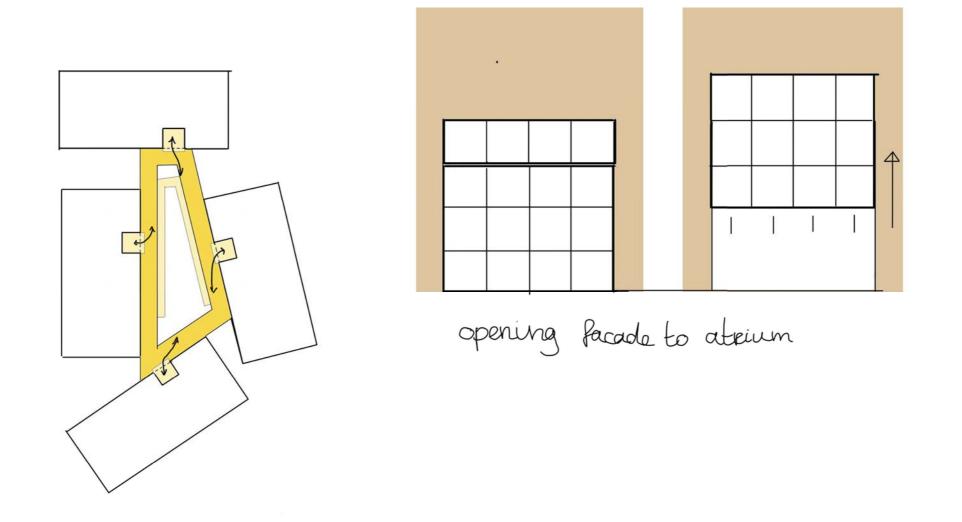


Plan second floor 1:200





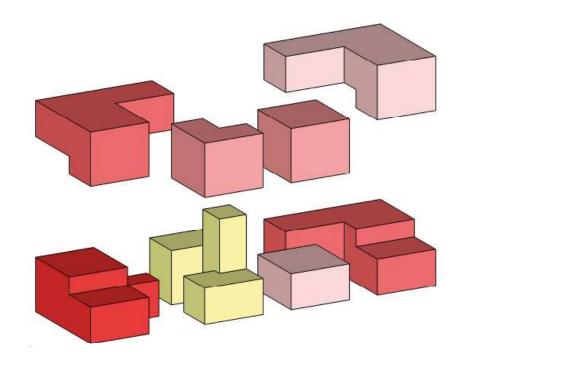


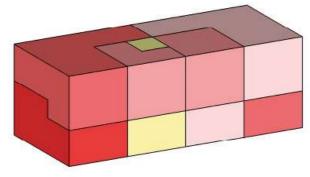


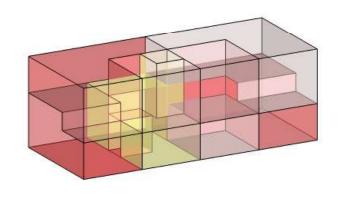


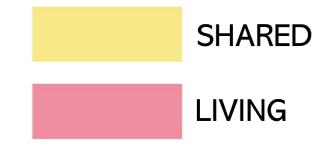


Atrium gallery impressions









3D configuration appartments





Model cluster lower floor





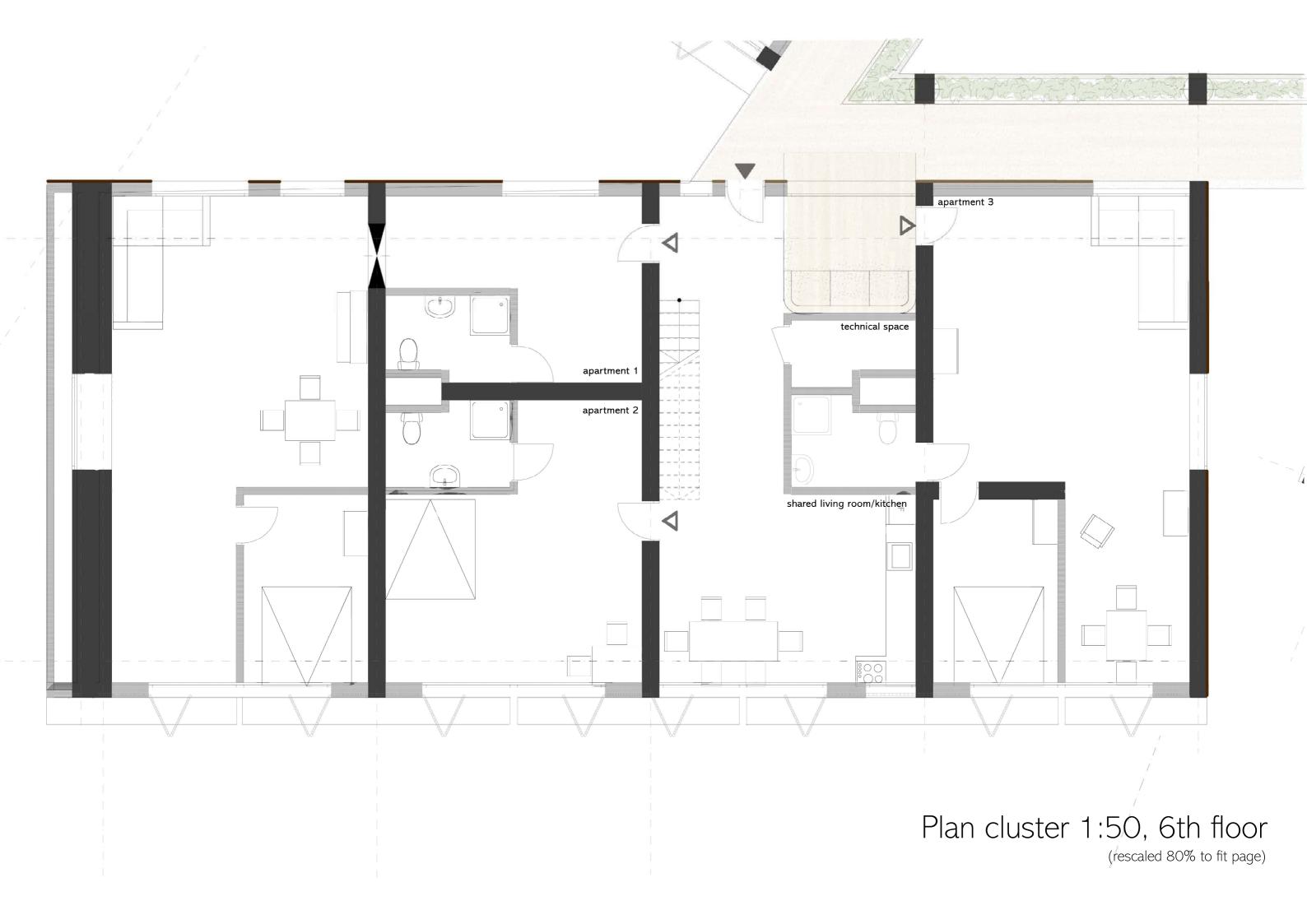


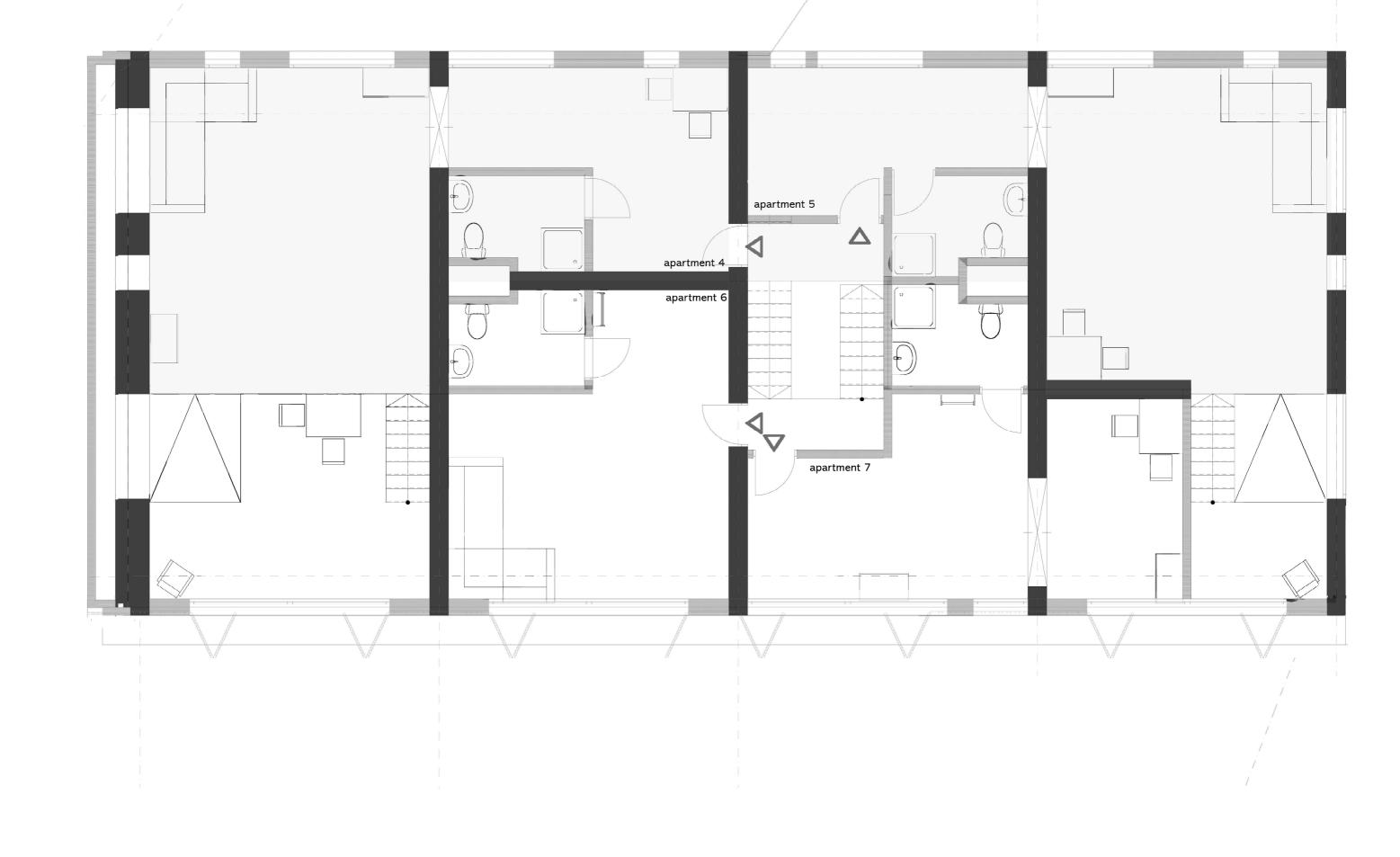


Model cluster exploded view



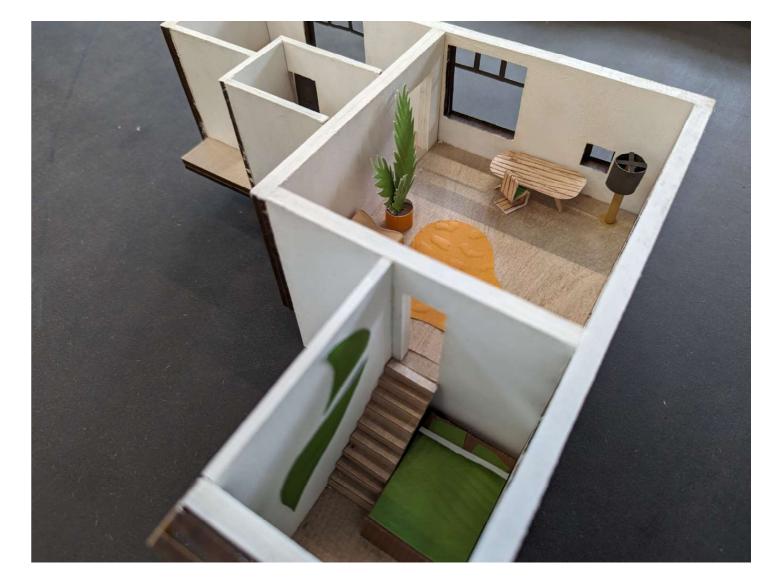
Impression shared living room

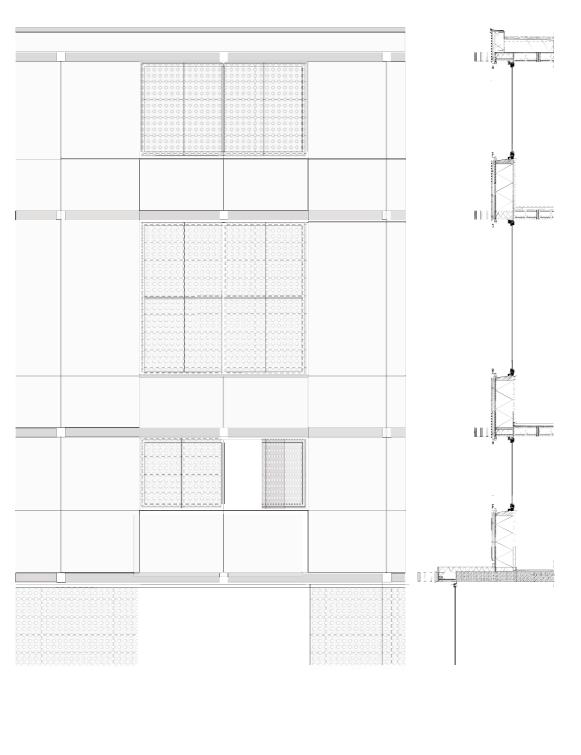


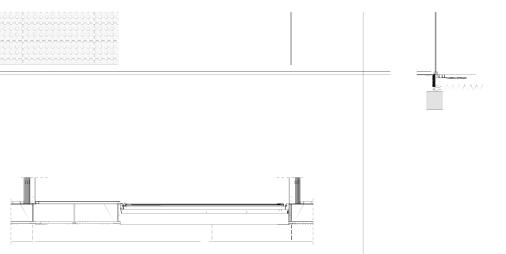


Plan cluster 1:50, 7th floor (rescaled 80% to fit page)

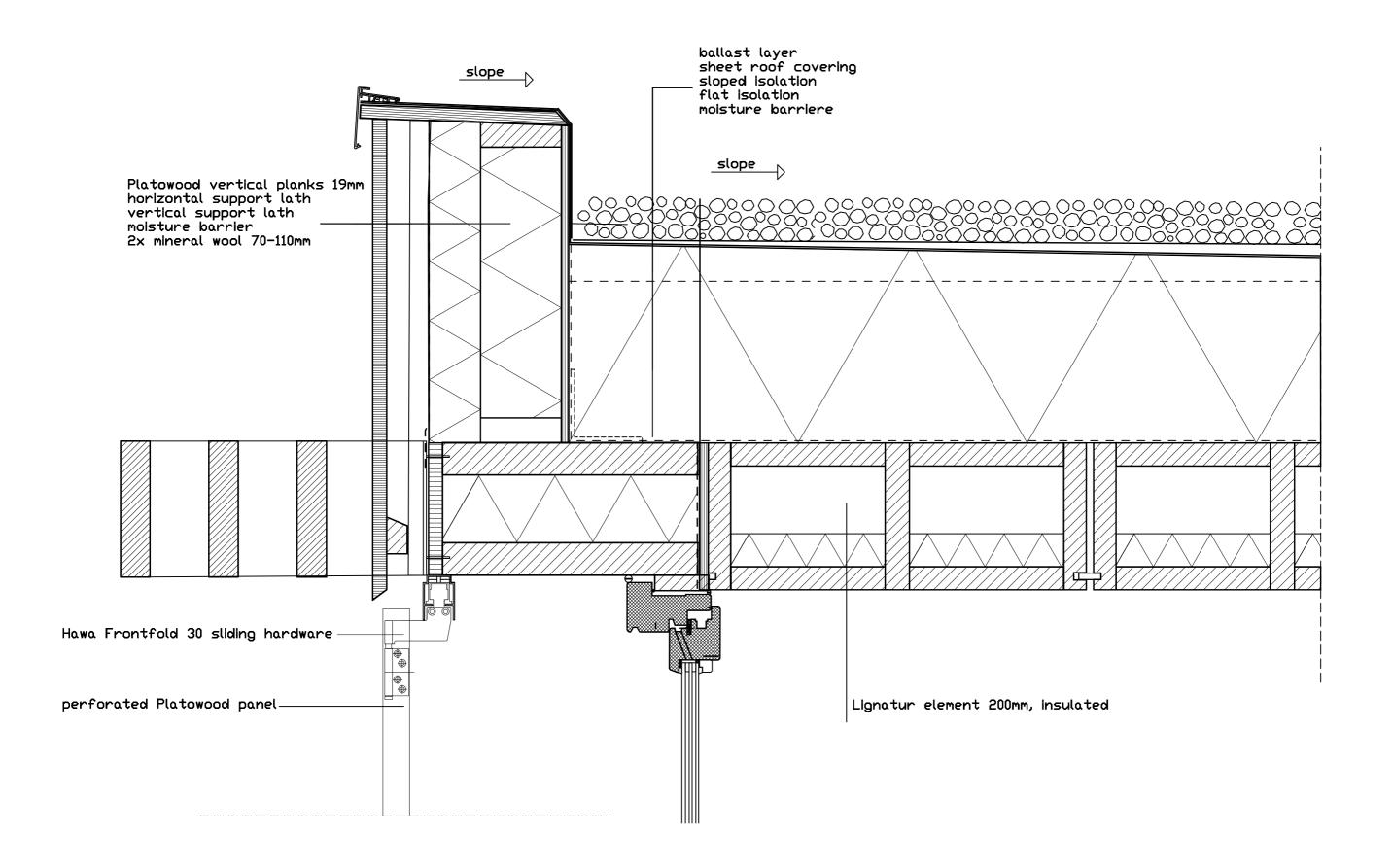


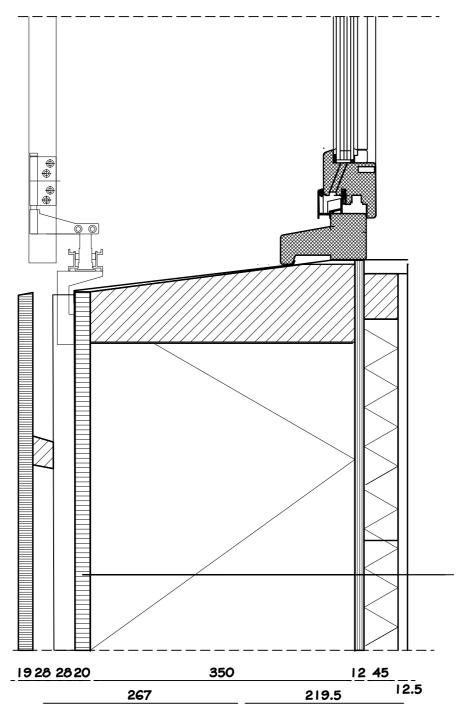




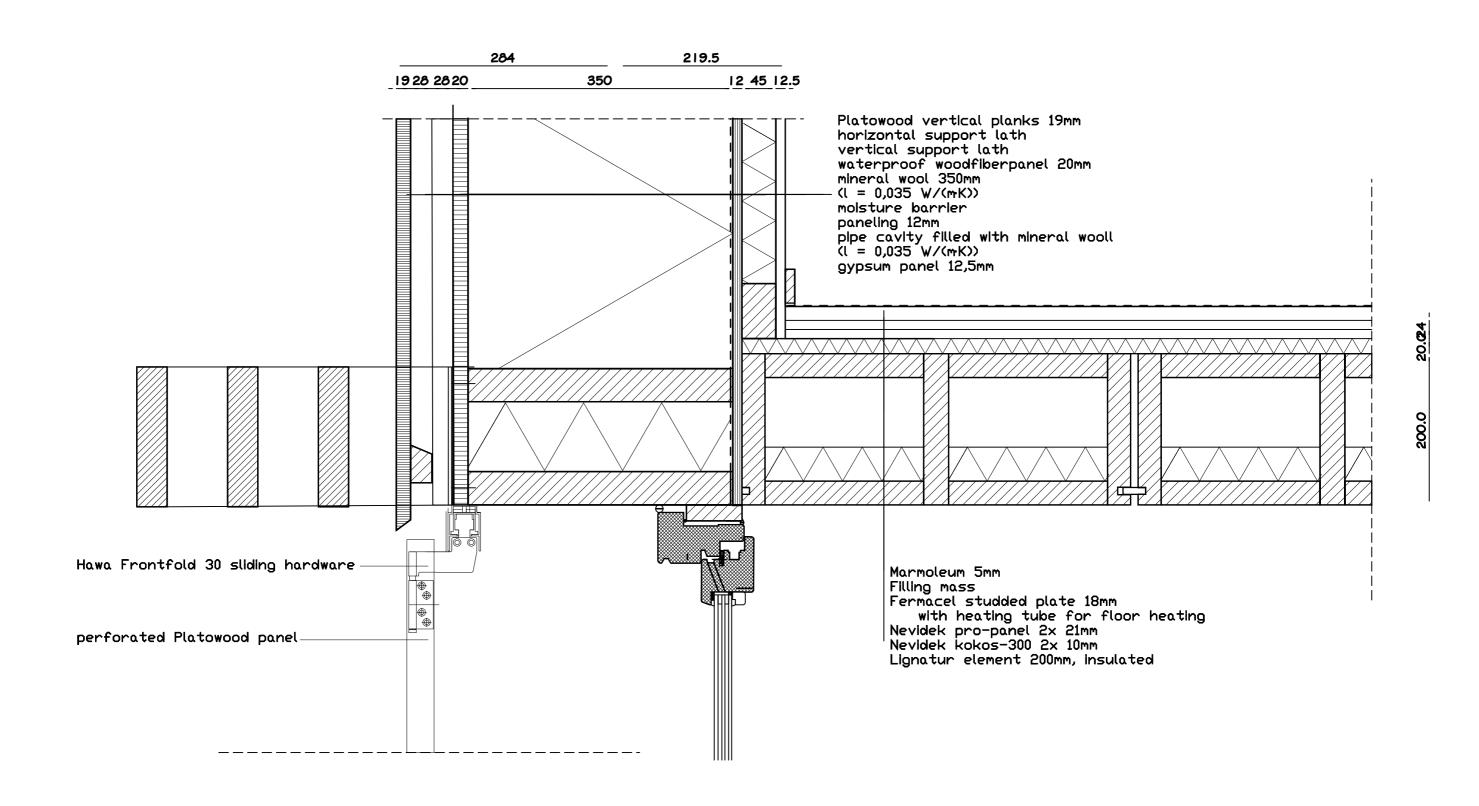


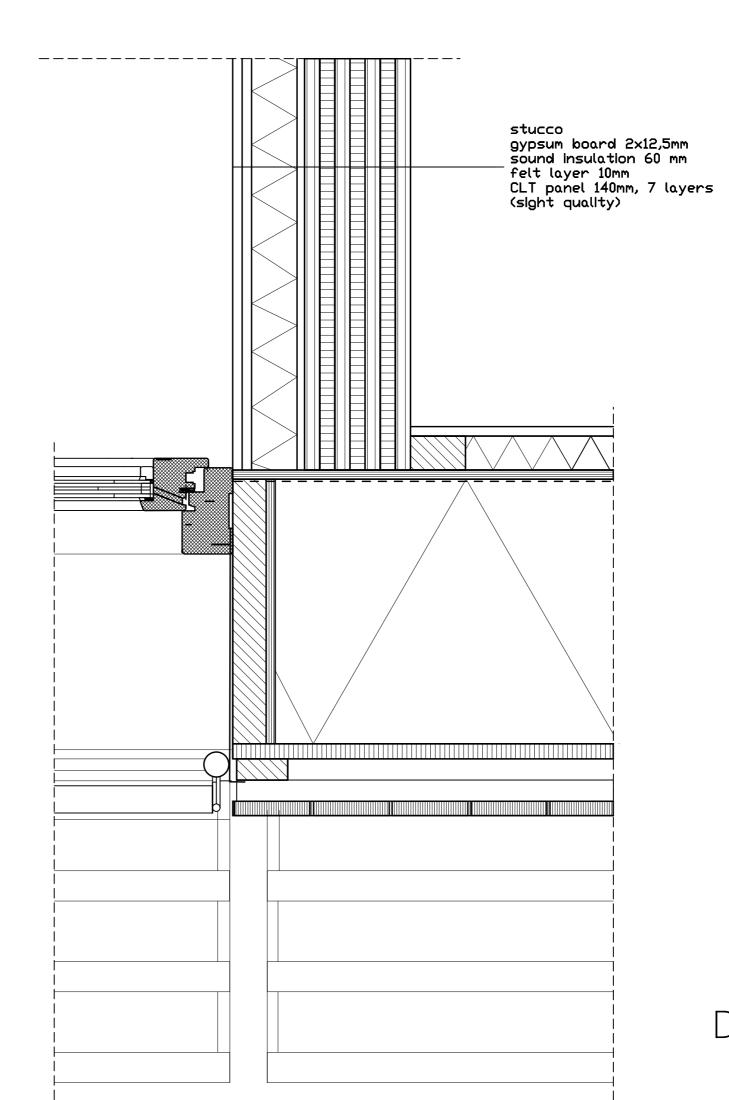
Fragment 1:20 (rescaled 25% to fit page)





Platowood vertical planks 19mm horizontal support lath vertical support lath waterproof woodfiberpanel 20mm mineral wool 350mm (I = 0,035 W/(mK)) moisture barrier paneling 12mm pipe cavity filled with mineral wooll (I = 0,035 W/(mK)) gypsum panel 12,5mm



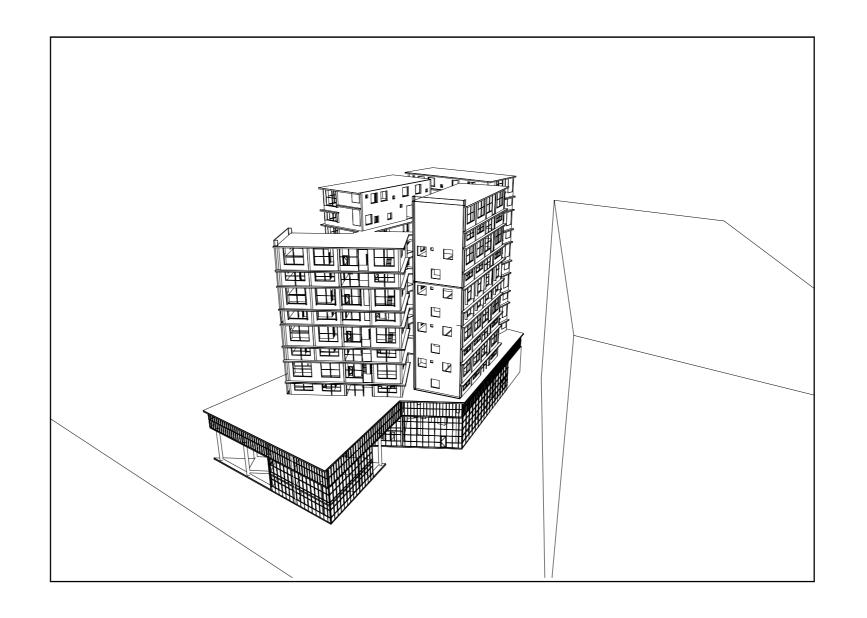


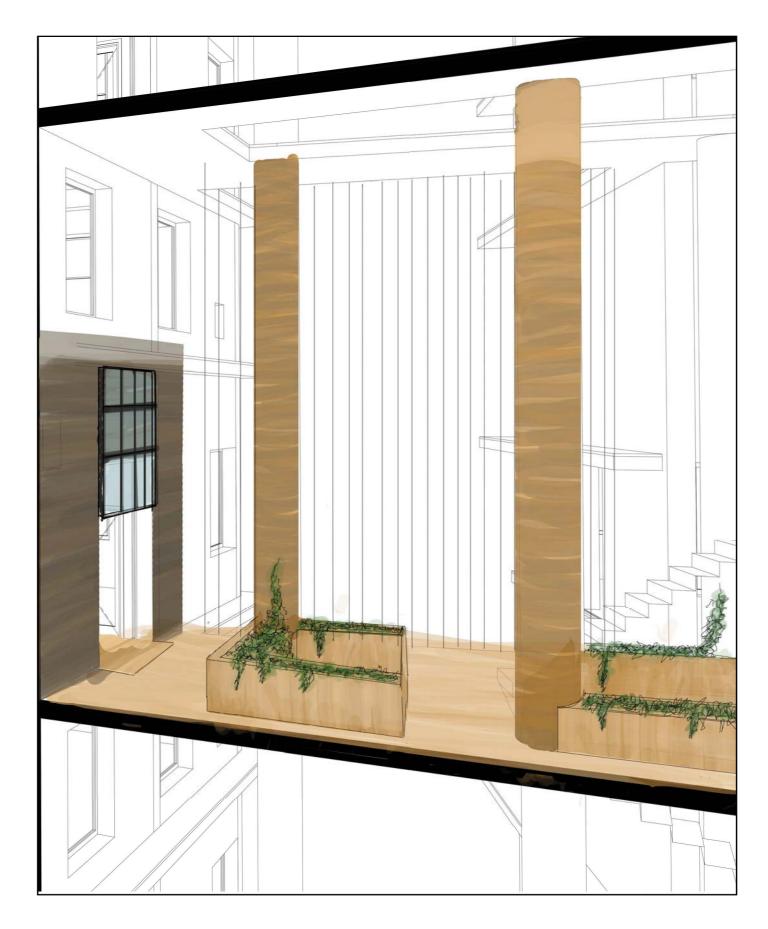


Thank you for your attention

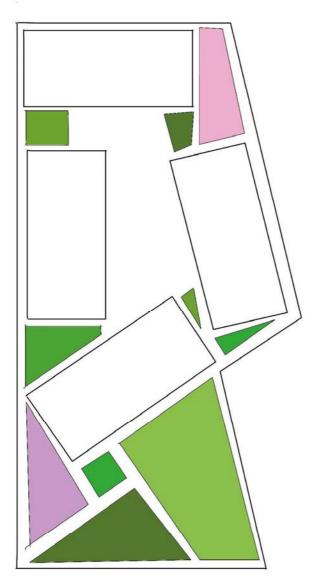


Extra slide 1: low perspective outside

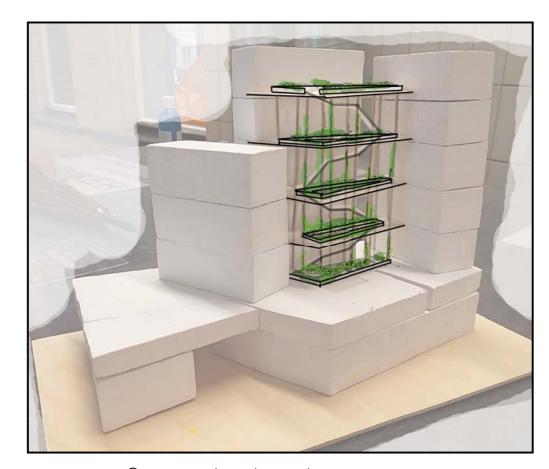




Extra slide 3: Impression atrium dwelling level



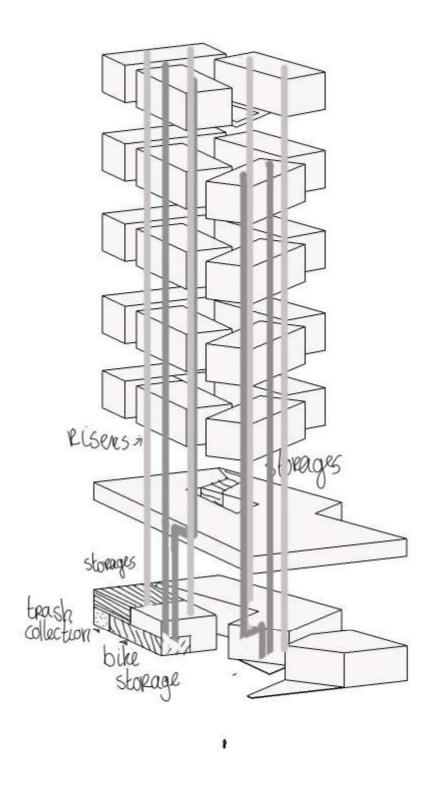
Green pattern on 2nd floor



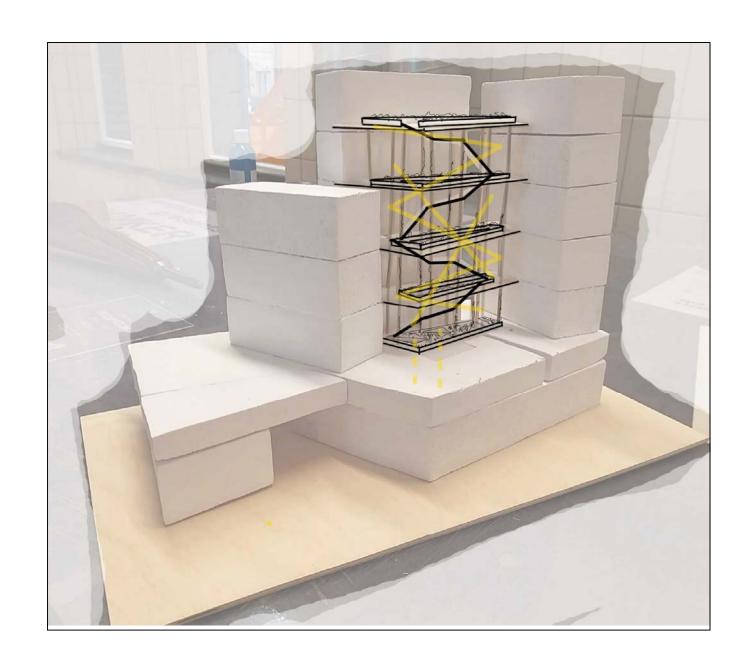
Green on interior atrium



Extra slide 5: Emergency routing



Extra slide 6: Storages etc.





Extra slide 7: atrium concept on model