

DIPLOMA PROGRAM RIPPLES OF A CLOSER NEIGHBOURSHIP ACROSS GENERATIONS, SITUATIONS, AND RELATIONS

Petter Tomren Ludvigsen

Helper, modelmaking and exhibition: Elise Henne Holmbek (nurse)

Tutors: Sverre Sondresen (APP) David Rios (DAV) André Fontes (TTA) Vibeke Jensen (EXHIB)

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Waiting lists for social housing is on the rise. The lack of social housing is making the municipality take to the private market and rent from there. The apartments are often the worst ones that no one else really wants, with poor living conditions. What can we change about social housing and it's increasing waiting list?

When our minister of health, Ingvild Kjerkhol, recently said that "we have to take care of our own old age" after we have seen a steady decline in both amount and quality of elderly care. Take care of our own old age. Make sure you can take care of yourself during the time which you become less and less able to take care of yourself. A juxtaposition in itself. The elderly rely more on help from others as they age. And as long as we see a decrease in available care and its quality, the help has to come from those around us. Family, friends, and neighbours have to step in for the health care workers.

If a couple not from the city buy a cheaper form of housing here, they could have "grandparents" and "uncle" in their building, who could babysit or help them fix their bike. The older residents would have some entertainment to watch, people around them, and would be able to get help in doing simpler tasks. There are possibilities for joint dinners, workshops, parties, planting etc. in the common rooms, as well as proper space in their own dwellings so they could retire to their own space. As a starting point for this method, I have found a plot in Sædal in Bergen. An open spot between villas and more recently developed apartments and family housing. An open area to try to create some middle and common

Project Description

ne elderly are getting less and worse care. Seeing less of their family, feeling less useful, and slowly losing their levance to society. What are we doing to take care of our elderly in the way we build and live?

Loneliness is a new pandemic. People are more alone and feel lonelier which is leading to an increase in anxiety and depression - which again is leading to more people not working, more people falling outside of society, and, worst case, more suicides. What do we need to do to combat increasing loneliness?

Another consequence of the loneliness pandemic is that there is a record amount of single people. A correlating statistic is that we are seeing fewer babies born than ever before. On top of this, the younger couples able to have babies are delaying it. Seeing how young people can't afford proper housing, how could they afford having babies? What can we do about our younger generation not being able to afford proper housing?

> Could we combine these challenged to help each other in a project? This is the theme of this diploma.

We are getting older, we are getting more lonely, and we are having less children. These problems scream for a solution. A common solution or method could be an introduction of a third housing sector. A housing sector between social/communal housing and the private own/rent sector. A housing sector where the municipality or government controls a part of the market. A sector where diversity is accepted and curated.

This diploma creates several "generational houses" in this sector. All consisting four units - one family unit, one special needs unit, one elderly unit, and one singles unit. Private diverse dwellings with a shared ground floor with several types of programmes to cater to their respective building, their closest neighbouring buildings, and the whole neighbourhood around them. By assuring literal common ground in the buildings it will allow for casual meetings between neighbours, a closer neighbourship, and help fight the loneliness.

ground between old and new, and be included in the neighbourhood. In the future, the project could buy housing from the private properties around it and include them in the project to send the ripples of neighbourship further. More smaller neighbourhoods using this method could emerge elsewhere in the city and country.





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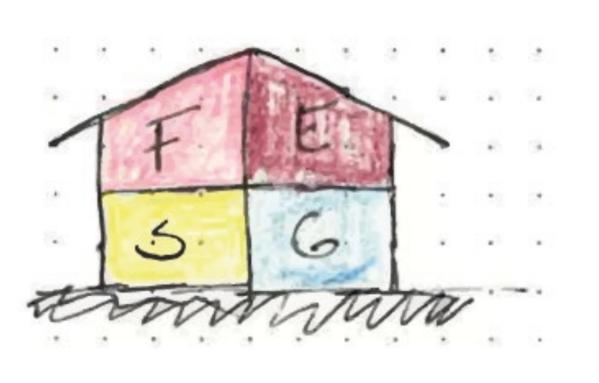
Casa de ladeira Florêncio da Costa - Oficina d'Arquitectura

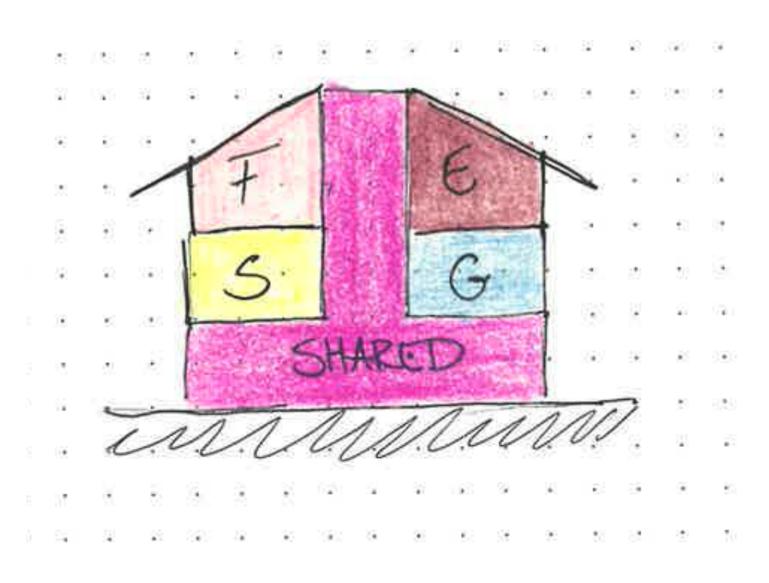
Åre Solbringen Waldemarson Berglund

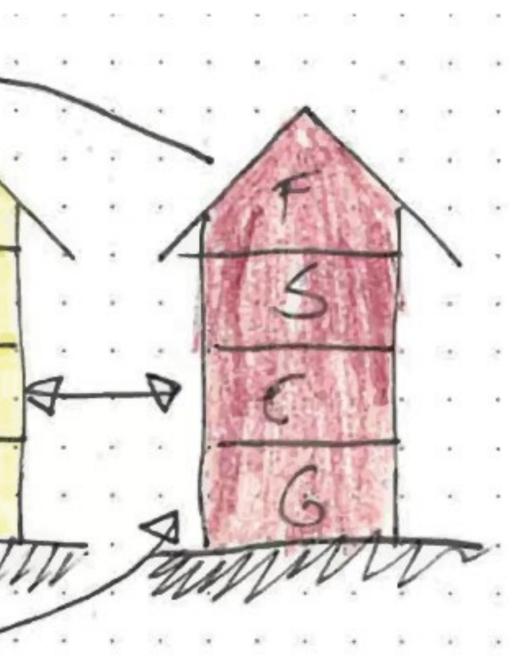
Alexandra Road Estate Neave Brown

Mendes da Rocha House Paulo Mendes da Rocha

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Final reflections

Looking back at this semester of my diploma I feel I have gone through an organic process of trying, failing, trying and failing again. Things have made more and more sense to me. Trying to find some answers to a complex and challenging problem we are going to face in the future.

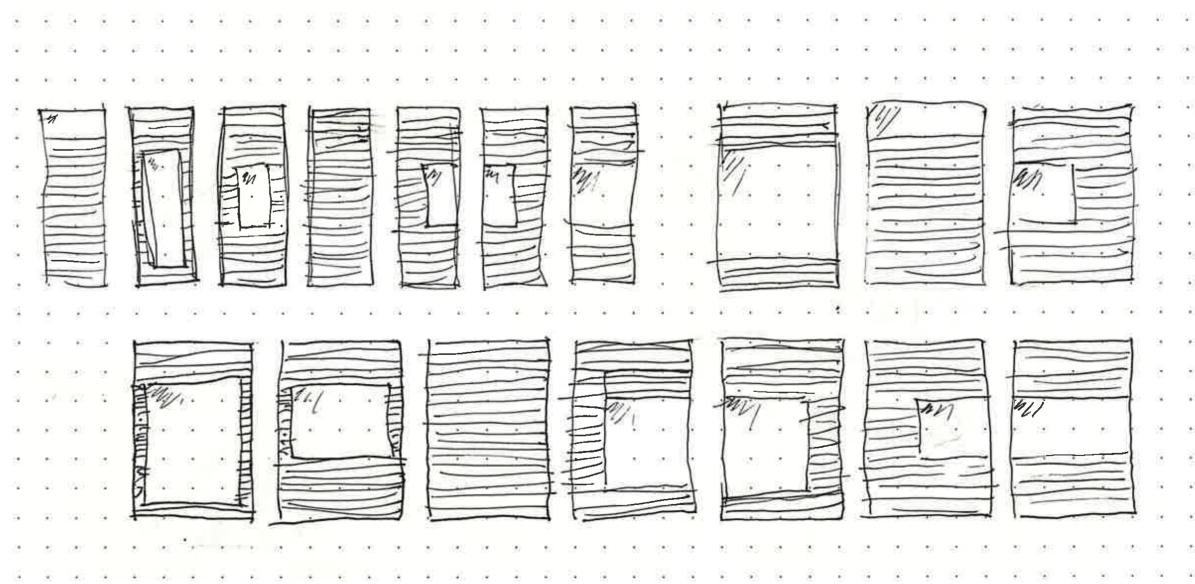
Our society will face problems of proper housing more and more in the future considering the path we are on now. A path of profits and capital instead of a path of peolpe and relations. I see it as a requirement to shift our path on to one of solidarity. Helping each other out in a day to day life. A path of sharing and combining.

We often talk about a public ground floor in cities, but I think this is an idea and method we could bring in to new types of neighbourhoods. Today, we often build in the middle of a plot, fence up around us and we don't really see our neighbour between September to March. I want to remove the fence and create relations that can last all year around, not just when the weather is nice. Remove both the spatial and social barrier between neighbours, lowering the threshold of interaction. Random encounters as well as regular encounters between people in both similar and very different situations.

I want to facilitate for neighbours to know eachother better than just a face and maybe a name. Finding literal common ground. Finding relations. Finding neighbourships. Finding *good* neighbourships.

ma I feel I have gone through





Reflections, March

Main issues to tackle:

- Younger people, couples, singles, can't afford to get into the housing market

The split tying of inhabitants will look like a typical generational home and help supplement each others lives and roles. Provide social needs of each - A constant shift in family dynamics require more specialised single-parent other. Grandparents for grandchildren, uncles for nieces and nephews, adult housing with the option of children staying part time. siblings, parents and children. But what are the spatial needs for each type?

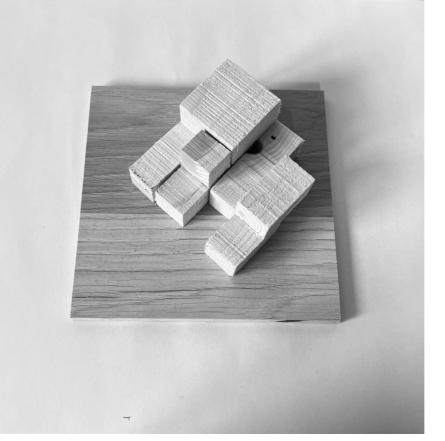
- Ingvild Kjerkhol, minister of health, recently said that we need to take The elderly will want to see what is going on and be able to observe the life around them, be it kids in a playground, a bus passing by, people going to or coming from work. Possibilities for stay inside and outside. They would also need a spare room for visiting family or friends that could spend the night. Large and accessible bedrooms and bathrooms for possible future loss of movement and/or capability. Everything on one floor.

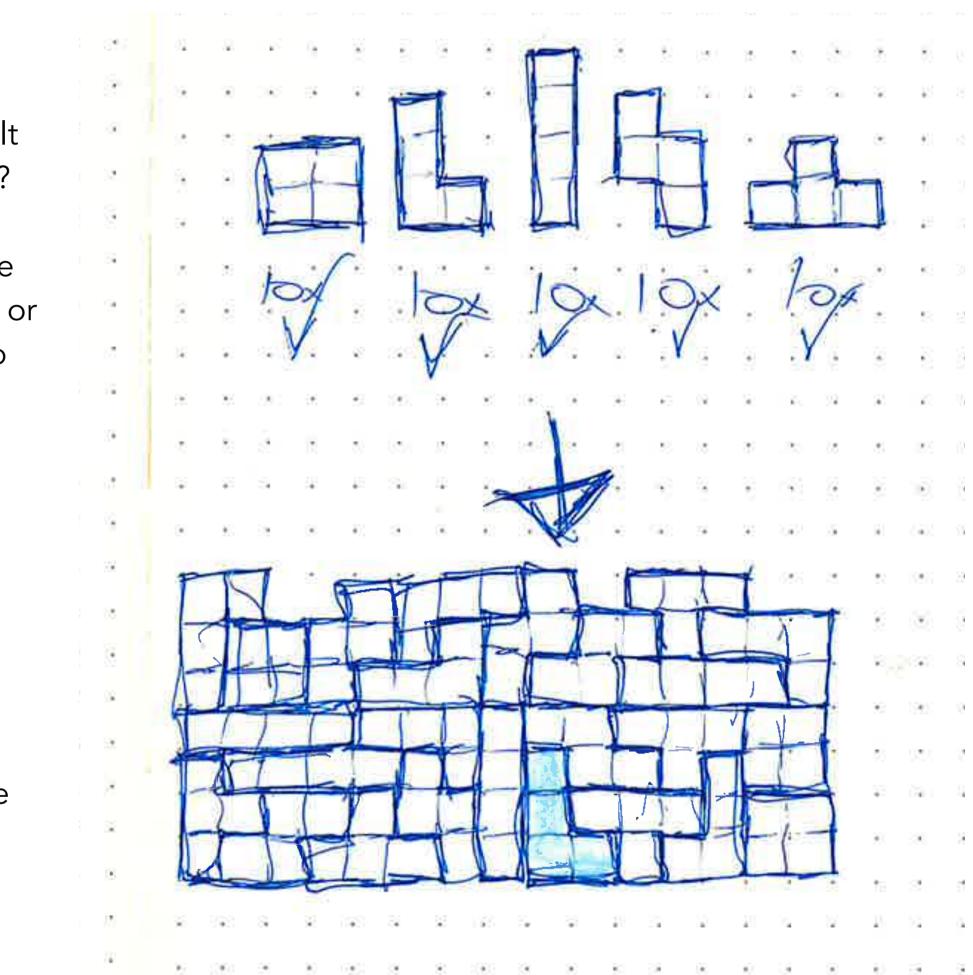
more responsibility of our own old age. The elderly feel more and more lonely and as a burden. How can we make them feel included and relieving? - Social housing often ends up as the least social type of housing. How can we get more social living for social housing clients?

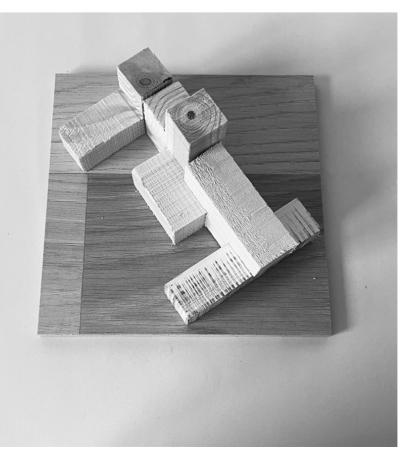
Family units require separate zones for stay and play, but still some way for In thinking about how things work together I want to look at some shapes parents to keep an eye on their children. Young children would be closer, that fit together and see how they work in spaces like the plot. older children would want time and space more away from their parents. Tetris pieces seem like something I can use. They are similar, but all different and cater to different needs. Like my units will have to do as well. Singles units should have some extra space for hobbies or work separate Making tetris-pieces three dimensional I can look at what volumes they from the typical living space. A space for children part time? They would be create, play around with them and see what I can make of it. exposed for random encounters.

I am wondering about the structure of the place in terms of organisation. Social unit would require accessible spaces in bedroom and bathroom like Do they all own their unit, do they rent? I have seen apartments being sold the elderly unit for a possible further handicapping of inhabitant. The living for people "55+" or "over 60 years old". So I feel confident that I can set spaces might be more important than a big and inclusive kitchen. Exposed purchaser rules for these types of apartments. Social housing is usually done for random encounters and a possibility to be seen, through a rental process in the municipality, and can keep being that in my project. In terms of the family unit and the singles unit, I am imagining an application process to be able to bid and buy a unit such as them. Applying to the municipality to fit a "role" for the units.

Living in a neighbourhood such as this requires a certain type of people anyway, it's not for everyone. And whoever decides to buy and live here has to be prepared to live closer to their neighbours than is the norm in our country.









Reflections, May

What are the needs of the one? Do they want to see or be seen? In what degree? Do they want an overview of what is going on, or do they want to be away from actions outside?

Do they want to be together with everyone or separated from them? Do they want to be in the middle of everything, or do they want to be on the side lines watching? Being "a bit" there or being fully there?

I have to facilitate for different types and degrees of interaction in and around the common areas - as well as the private areas. Do you sit in a corner of your private balcony, not really in sight of people, or do you go into the sun of the court yard or roof terrace and get in amongst everyone?

What could these common areas be? A roof terrace, a guest house/ apartment/studio, office spaces, a gym, a wood house, a common kitchen, a garden, a common hall, a play room, a café, a swimming pool, a workshop, a green house?

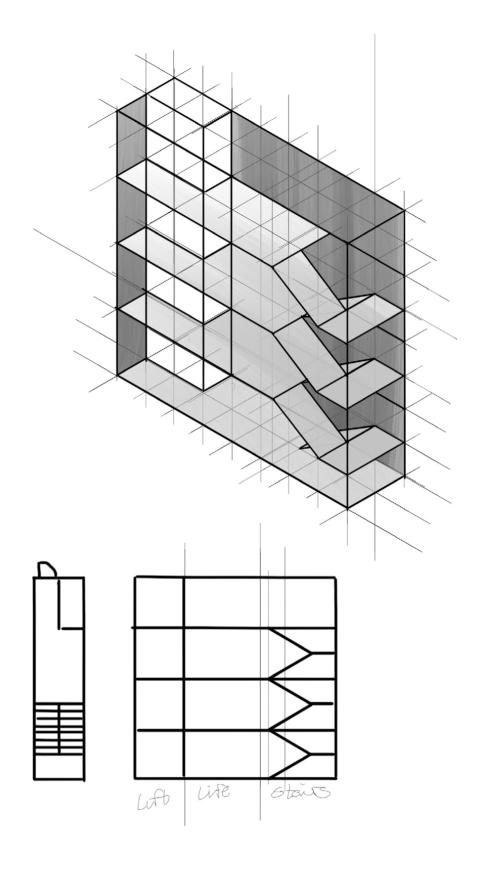
I have decided that the common areas should be in concrete, and the private units in wood. With a concrete stairwell with an elevator in the middle. The wooden units resting and leaning into the concrete core. Structural reliance as well as social reliance. The private units lean on the sturdy shared core as the private persons lean on the social stability of the community.

Taking inspiration from the tetris pieces I have introduced a grid for the construction, same as the base for the tetris. A beam-grid in the ceilings of 2x1 meters in the wooden areas with a increase of half the size in the concrete shared spaces of 3x1,5 meter grid.











Reflections, external review

I have to consider the bigger context. I have to reconsider how i approach the project and expand my scope. Looking at the current architecture there, it's scattered and not really representative of my story and intent. I must be clearer in showing why I chose my plot and how I arrive at my current state. There is a missing link between plot, tetris pieces and current buildings.

Where is the social communication, the pathways, the activity between the buildings? How can I make architecture that says that an area is "mine" but that it could also be "yours"? Make invitations in the project.

The tetris pieces themselves show me how they can work together, but I now have to look at how the clusters of pieces can work together. Look at it a step bigger. Not apartment or spaces them selves, but whole buildings and volumes and the spaces between and around them.

Instead of working inside out, as I have now, I should work outside in. I should allow for the whole ground floor to become public or shared. The ground floor should be an area for being together and for meeting. The slope of the plot will make the ground floor more exciting and varied. The ground floor along the terrain would be a social place all over and not just parts of it. Having units on the ground floor would also compromise the ability to have your own private space. Lifting the private spaces makes it more sheltered and away from what noise and activity might be outside.



Exerpt from social anthropology essay:

"What is a Home?"

Home is the most important place for the most of us. But it is something we often take for granted. You can always go home, you can always go where you belong. "Everyone" has a home. Pets get adopted from shelters to their "forever home" after being found on the street or been taken from somewhere after abuse. A forever home insinuates something permanent. We talk about home as something permanent. It is always there, the home. Just as much as your family, your home

is always there. Our ability to adapt is very important for the feeling of home. It is not very dependent on many things. For a widow in a nursing home, a photograph of themselves and their now passed spouse can be more than enough to create some feeling of home. Because that is what is seems home is. A feeling. It is not quite tangible or measurable. You know yourself what home means to you, and that differs from other peoples ideas of home. Home is made by time spent and memories shared. It is something you are accustomed to. It is what feels like

yours. Sports and other areas have adopted this idea. Of playing at home, be it a football match at home or when a Chinese olympian is ready a the start line next month. They are not at home. They are somewhere they are used to. Somewhere they know. They know the place better than others at least. Athletes, musicians, artists that perform to the best of their abilities in their own town, own arena, own country, are said to be at home. Have the home advantage. It is an implied advantage to be at home. You perform better there.

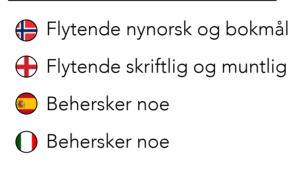
It's better at home.

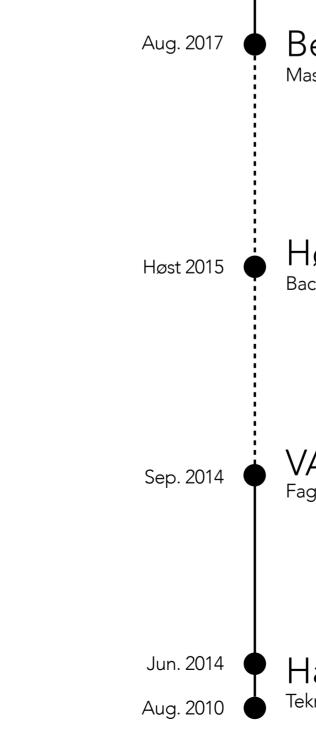


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Språk





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Programkunnskap

Archicad, Rhino, InDesign,

Illustrator, Photoshop,

QGis, Lightroom, Revit

Ø Bergen



Arbeidserfaring

Kurs

Truckførerkurs T1, T2, T3, T4 Toyota Material Handling, 2016, 25 timer Fagbrev i indutrirørleggerfaget VARD Piping, 2014 Norsk Grunnkurs i førstehjelp VARD Brattvåg 2012, 8 timer Sikkerhetskurs løfteredskap M-BA Sikkerhetsopplæring, 2011, 8 timer

Verv og annet

TreStykker 2021 Styremedlem, 2021 Skodda Supporterklubb Nestleder, 2018 - nåværende Fullført førstegjangstjeneste Luftforsvaret, 2014-2015 Troppstillitsvalgt i forsvaret Forsvarets Operative Hovedkvarter, 2015

Utdanning

Bergen Arkitekthøgskole			
Aaster i arkitektur	Juli 2023	HIBA Hus	
	Aug. 2022	Arkitekt	Kundeprosjekter, bolig Utarbeide søknadstegninger ng hus- hytte- og garasjekatalog i ArchiCad
Høgskolen i Oslo- og Akershus Bachelor i ingeniørfaget, bygg	Juli 2022	PostNord AS	
	Juni 2019	Terminalarbeider	Lossing av kontainer Sortering av kolli Lagerarbeid
	Aug. 2018	VARD Piping AS	M
/ARD Piping Tagbrev i industrirørleggerfaget	Juni 2018	Sommervikar som fagarbeider	Montering Prefabrikkering Utbedring av rørsystemer ombord i båt
	Juni 2017	Øglænd System Salgskonsulent VVS	AS
	Mars 2016	Ordre- og tilbudsbehandli Salg over disk, telefon og m	
Haram Vidaregåande Skule Tekniske- og allmenne fag	Jun. 2014	VARD Piping AS Lærling i industrirørleggerfaget	
	Aug. 2010	Lærling i industrirørleggerfaget	Montering Prefabrikkering Utbedring av rørsystemer ombord i båt



Portefølje

Petter Tomren Ludvigsen





Skal vi møtes ved taket?

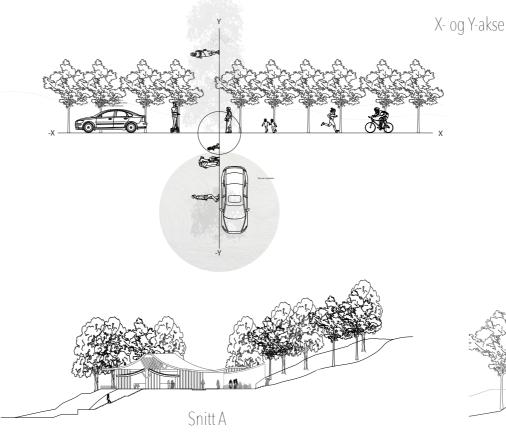
COMPLEX CONTEXT



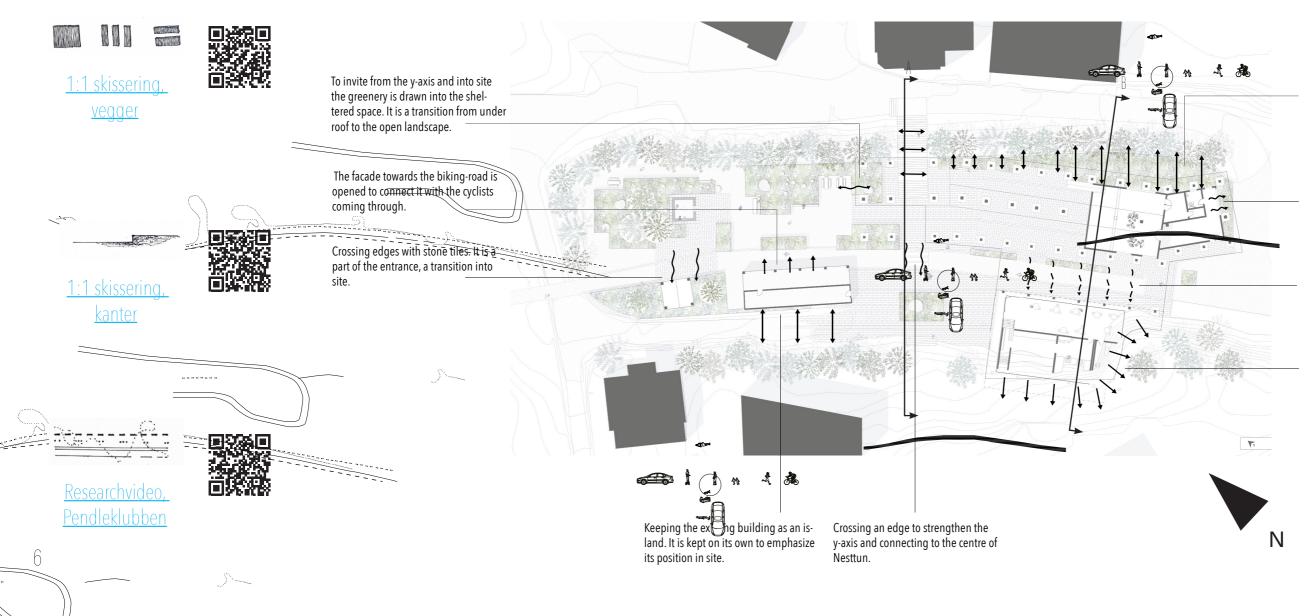
Master, 3. semester

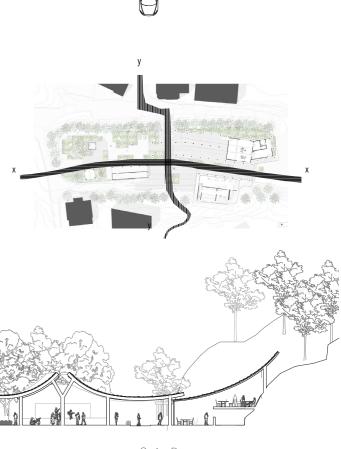
Rett ved bybanestoppet Nesttun Sentrum ligger den gamle tomten til Nesttun Stajson, et stopp på den gamle Osbanen. Etter nedleggelsen av banen har bare et godshus blitt igjen, og tomten er omgjort til en parkeringsplass med en sykkelsti omkranset av overgrodde grønne vegger og en fjellvegg.

Prosjektet gjør den overflødige parkeringsplassen om til et uforpliktende møtested for innbyggerene i Fana. Dette gjøres ved å innføre program som en hall med overbygd tak og et forsamlingslokale, en café og et parkområde, samt sykkelverksted og bysykkelstativ med tak. På tvers av tomten er det lagt til rette for en kryssbevegelse ut av tidligere tråkkede stier gjort av naboene.



Tilnærminger til endelig utforming





Snitt B

The roof and columns are drawn back to have a distance to the green wall. This distance makes the roof and floor as a frame towards the green wall. It also invites lower greenery to grow from outside to under the roof.

Crossing an edge - the columns melts into the meadow landscape. Crossing an edge that used to be respected by cars.

Crossing an edge - allowing for stone tiles to cover the bicycle lane in order to slow down the pace through site. The roof also crosses the road to strengthen the pace reduction.

The roof and space attaches to the mountain wall. The mountain was once barely visible, now it becomes an important element within the space of the cafe.















A Remedy for a Memory

Master, 2. semester Bergen Arkitekthøgskole, vår 2021

RE-FORM med Zoelie Millereau-Dubesset

Pavlina Lucas Magnus Wåge

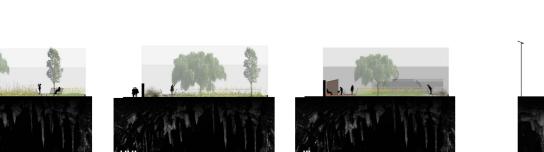
Tom Chamberlain

Gassverket er den eneste gjenstående delen av gassverket som ga strøm til hele Bergens gatelykter på 1900-tallet. Siden nedstengingen for 37 år siden, har Gassverket stått ubrukt, forglemt, råtnet bort og etter hvert blitt giftig i både bygg og grunn. Minnet om byggets tidligere viktighet har forvitret hen til "mursteinsbygget på Dokken".

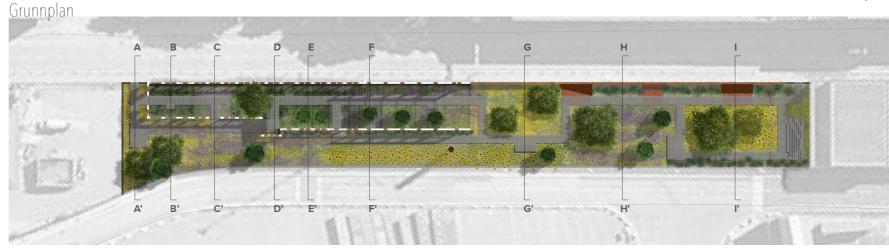
Gjennom fytoremediering, en bærekraftig prosess som bruker levende planter til å rense jord, skal prosjektet gjennopprette byggets verdi og gi Gassverket tilbake dets rettmessige plass i Bergen sentrum.

En løftet gangbro igjennom parken er lagt inn for å lede fotgjengere igjennom Gassverket og dets fornyelsesprosess.





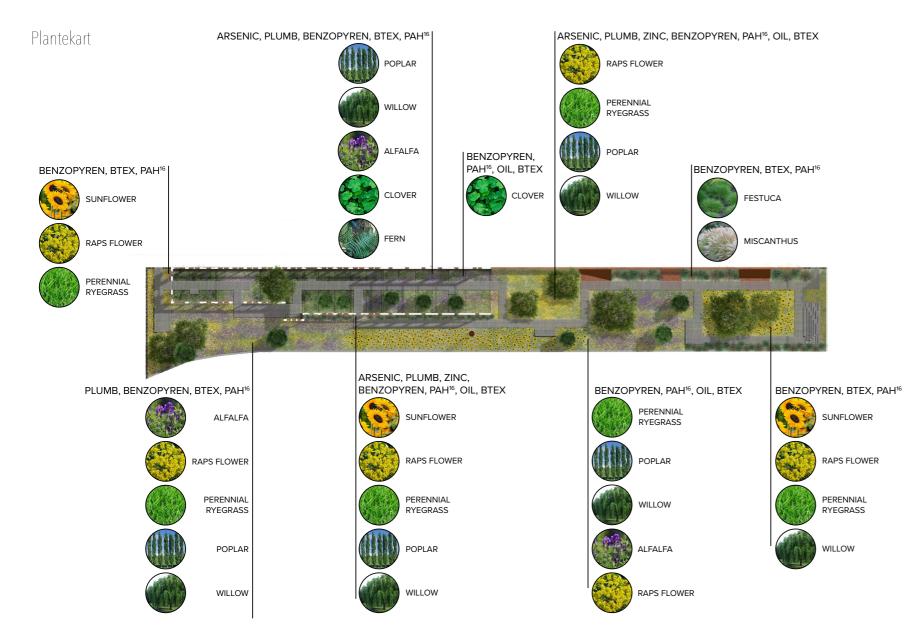




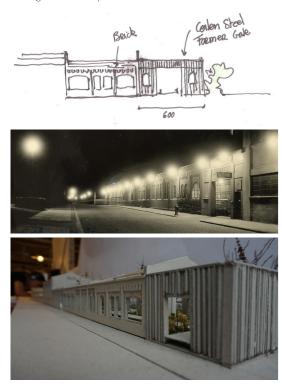
Langssnitt



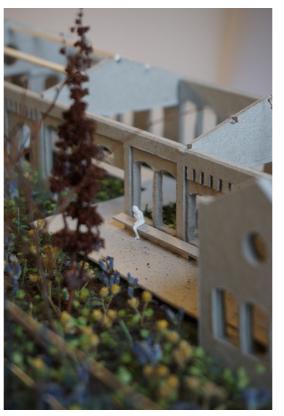
Gassverket da og nå



Bringe tilbake porten til Gassverket

















Noisy Waters

Master, 1. semester Bergen Arkitekthøgskole, høst 2020

Explorations in Ocean Space II

Nancy Couling Vibeke Jensen

Kurset var et todelt prosjekt, først research og utforming av del av en avis, senere utstilt på Bergen Kunsthall under The Ocean-utstillingen høsten 2020. Avisen handler om Bergens fem marine næringer, olje og gass, fiskeri, fornybar energi, turisme, og shipping, som min gruppe tok for seg. Hver gruppe så på historien, hvordan de forholder seg til Bergen, fordeler og ulemper med hver av de.

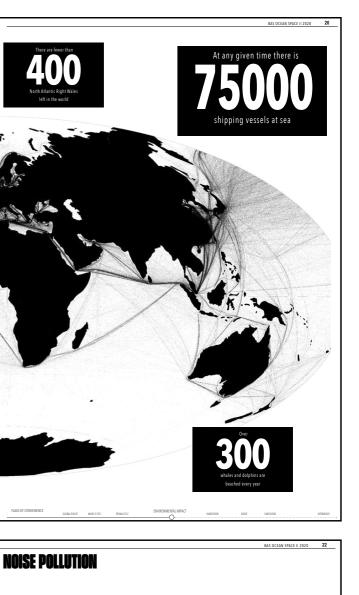
Den andre delen var et individuelt kunstprosjekt hvor man skulle ta for seg et aspekt ved havet man fant oppsiktsvekkende. Her tok jeg for meg lydforurensingen til shipping-industrien og hvordan konsekvensene av de befester seg under havoverflaten, med et hovedfokus på blåhvalen og dens liv. Resultater er en håndtegnet video med formål å formidle situasjonen på en jordnær og enkel måte.



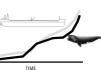


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THE BELUGA WHALE AND THE

UNDER WATER SOUND



