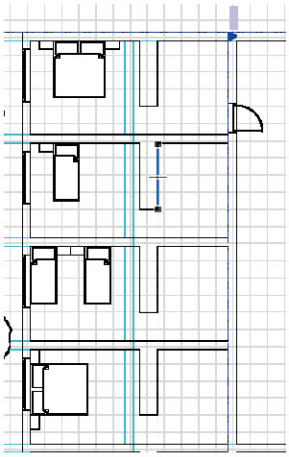
Fleksible soverom etter behov



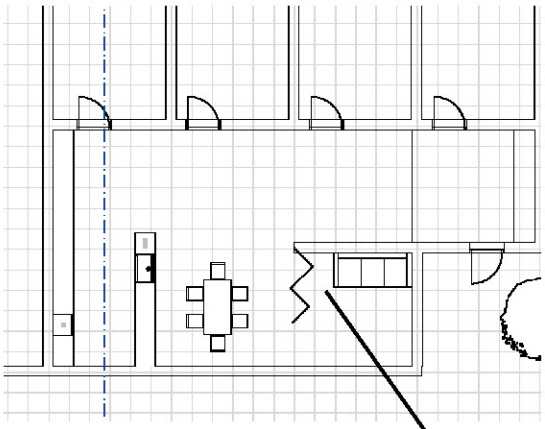
Par som deler seng

Enslig

Par som ikke deler seng

Par, rullestol tilgang til bare den ene siden av sengen

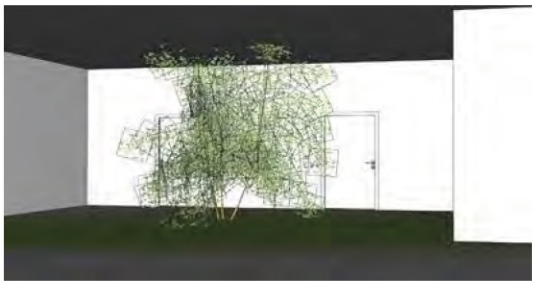
Gjesterom

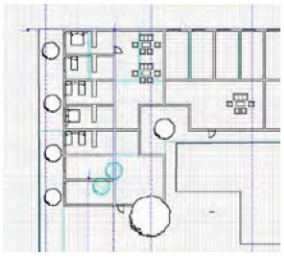


Hvor skal gjestene gå på do?

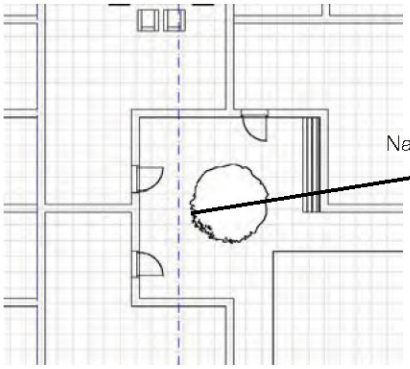
Stue som kan bli et gjesterom?

Inngangsparti

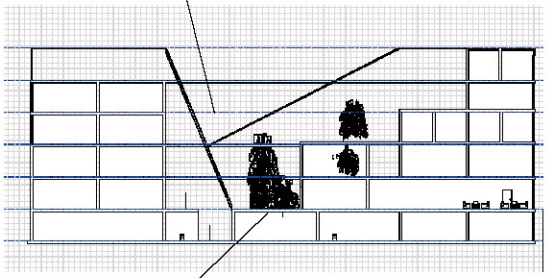




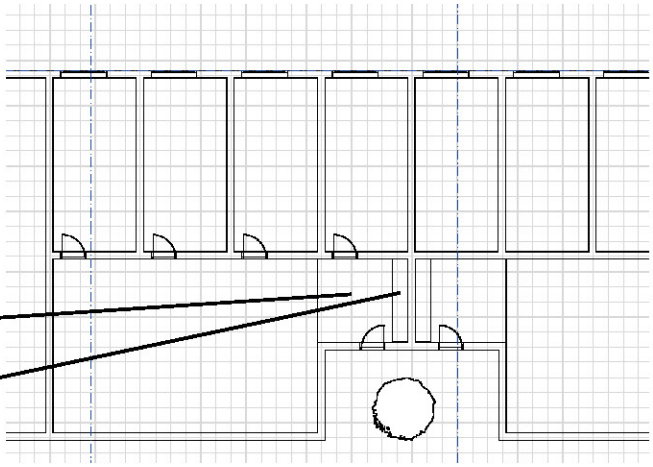
Vann renner inn i bygget og kan brukes til vanning av planter



Nabomøteplass



Hager til dyrking og rekreasjon



Gang

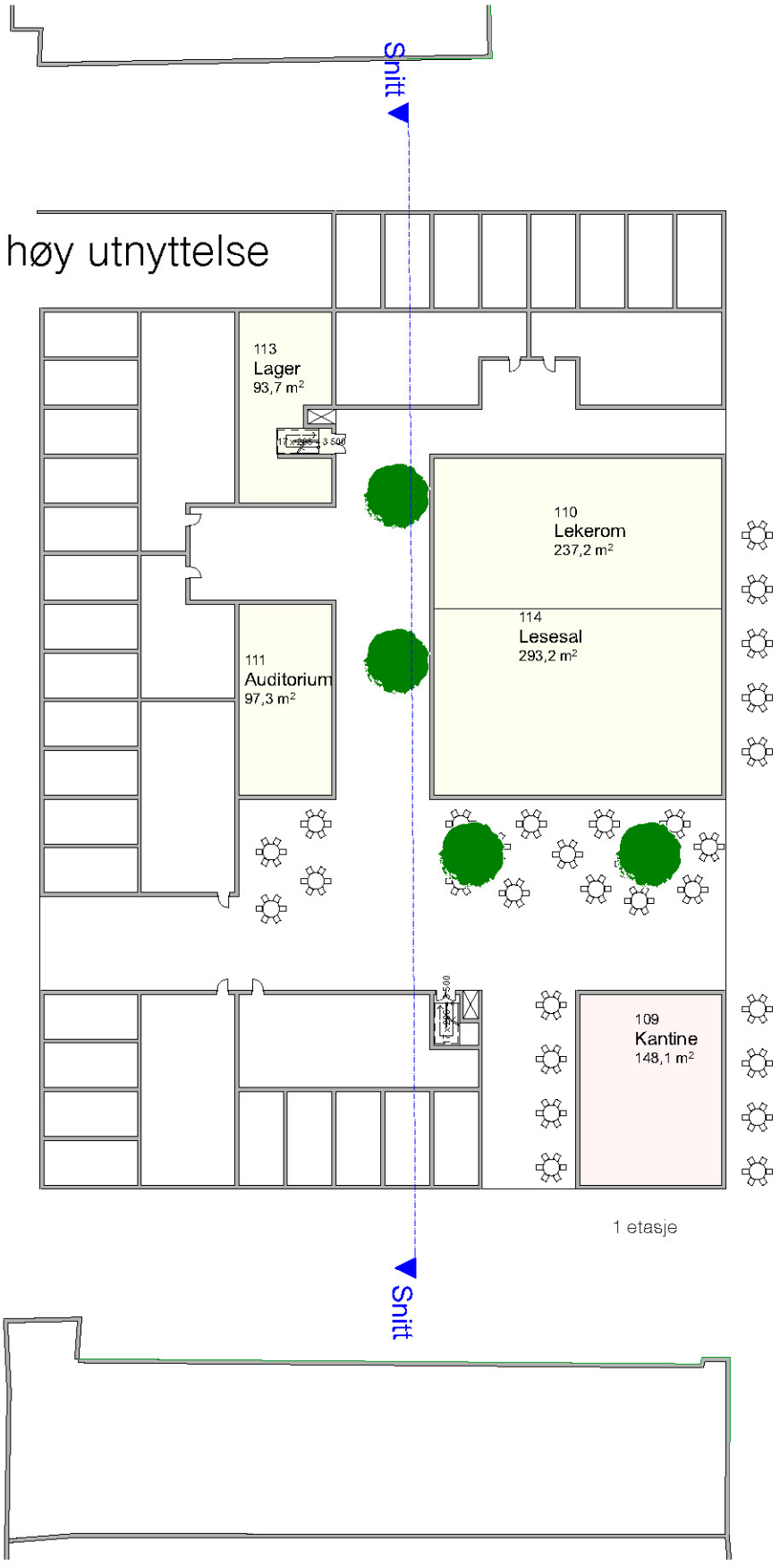
Skap

183 soverom - høy utnyttelse

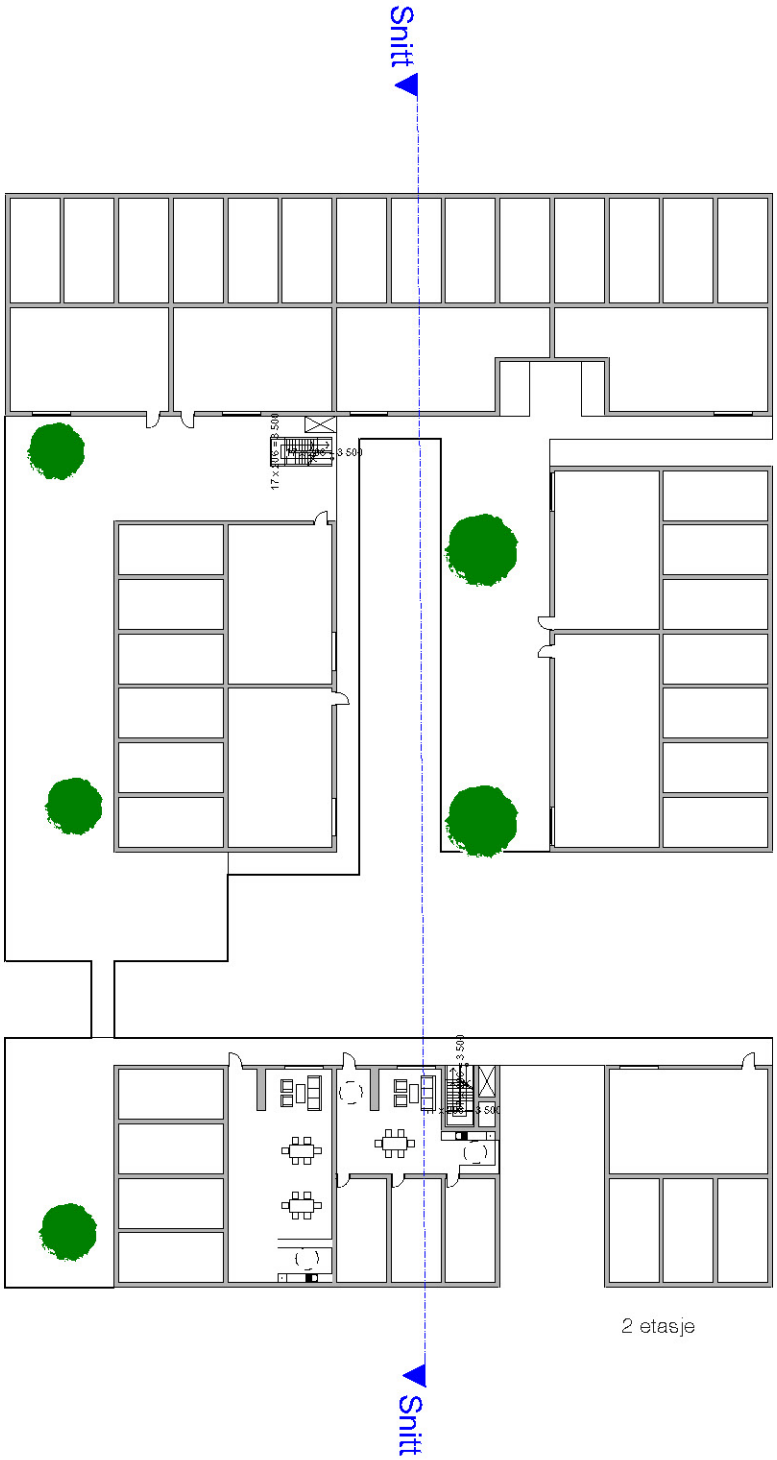
Minner om en institusjon mer en et hjem

Uheldig med soverom på rekke og rad

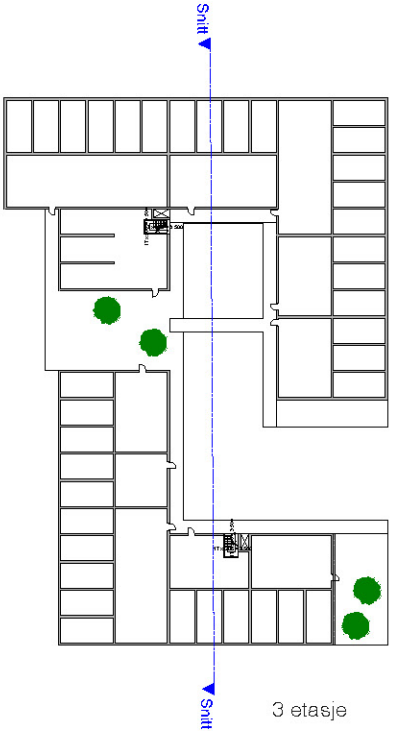
Fellesarealet i kollektiv med 5 soverom blir mye større enn fellesarealene i kollektiv med tre soverom selv om det ikke trengs



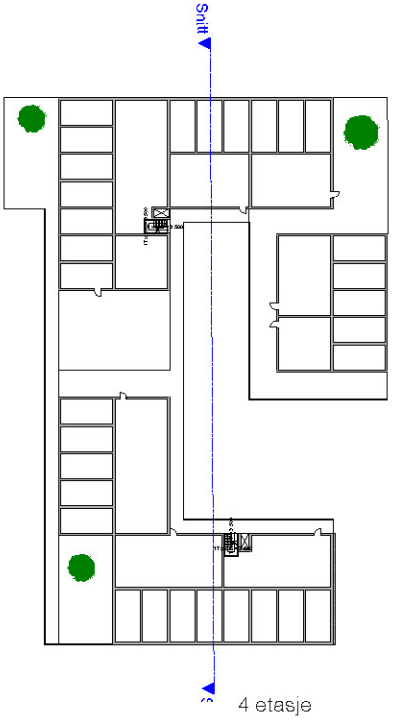
1 etasje



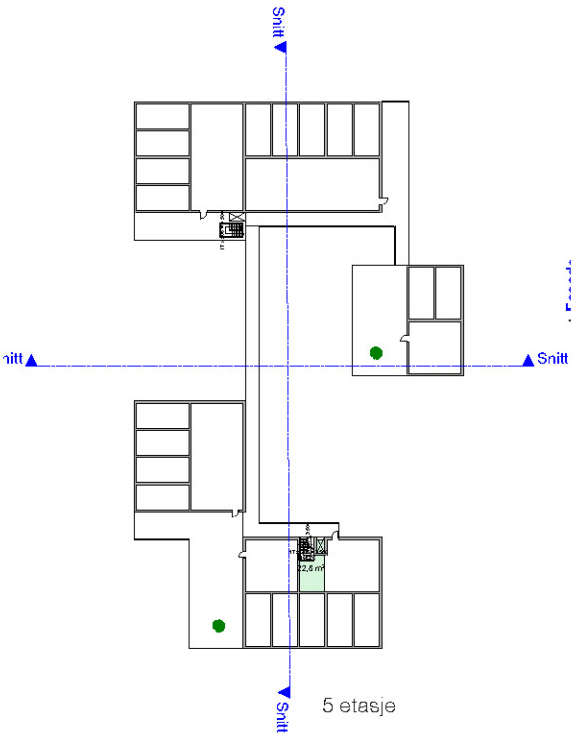
2 etasje



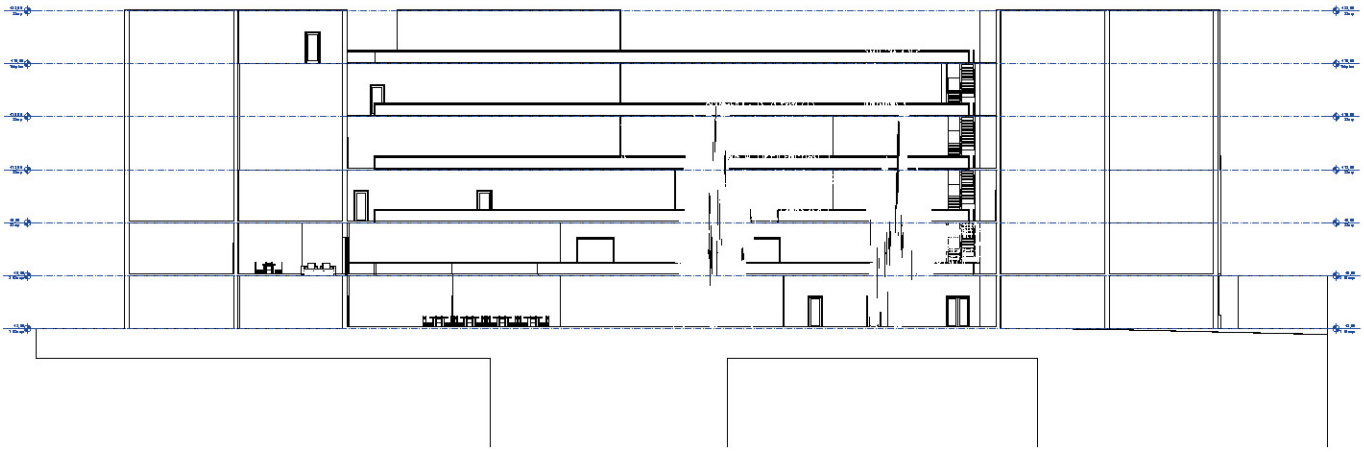
3 etasje



4 etasje

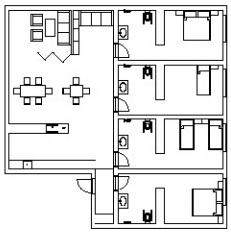
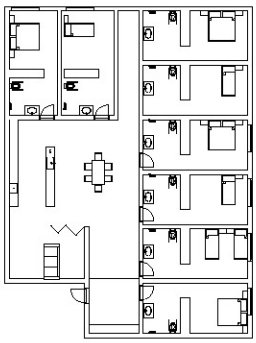
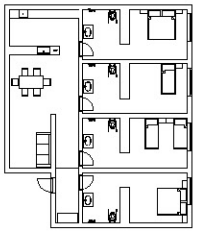
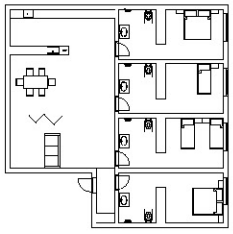
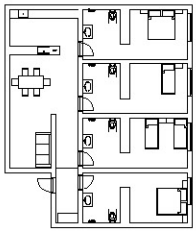
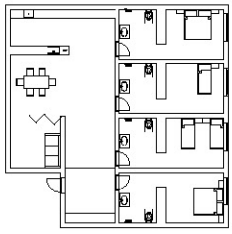
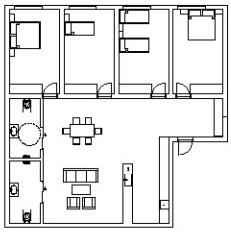
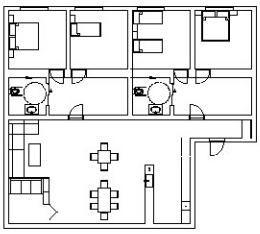
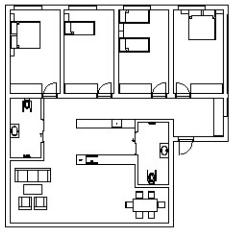
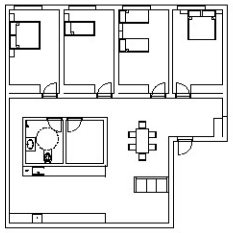
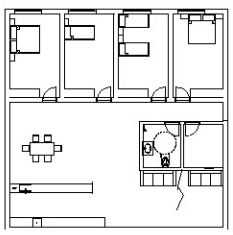
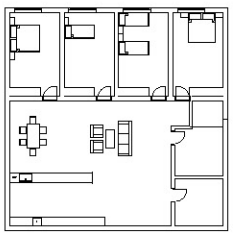
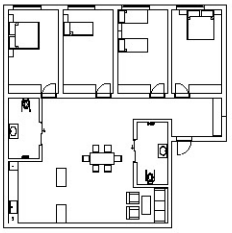
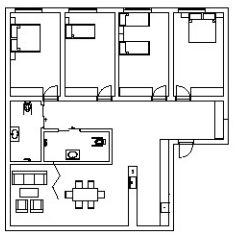


5 etasje



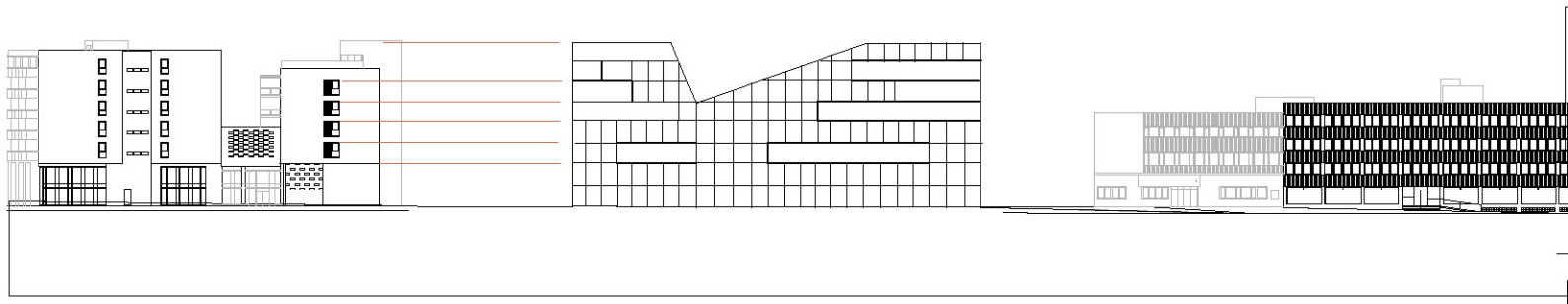
Kollektiv test 1:500

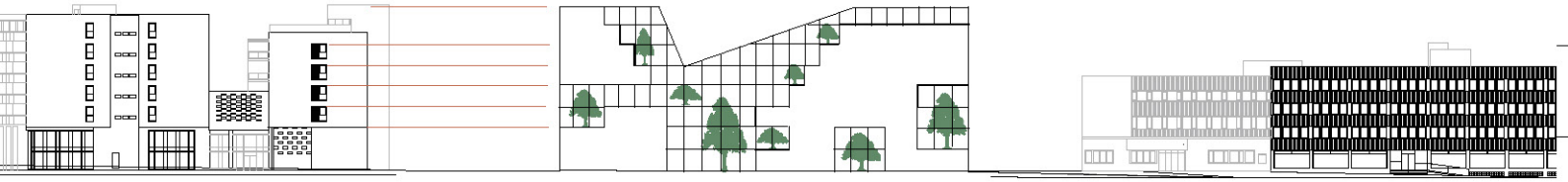


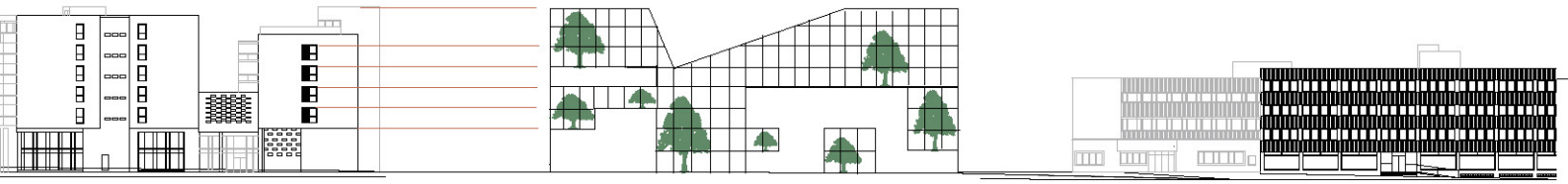















Fasade test 1:1000

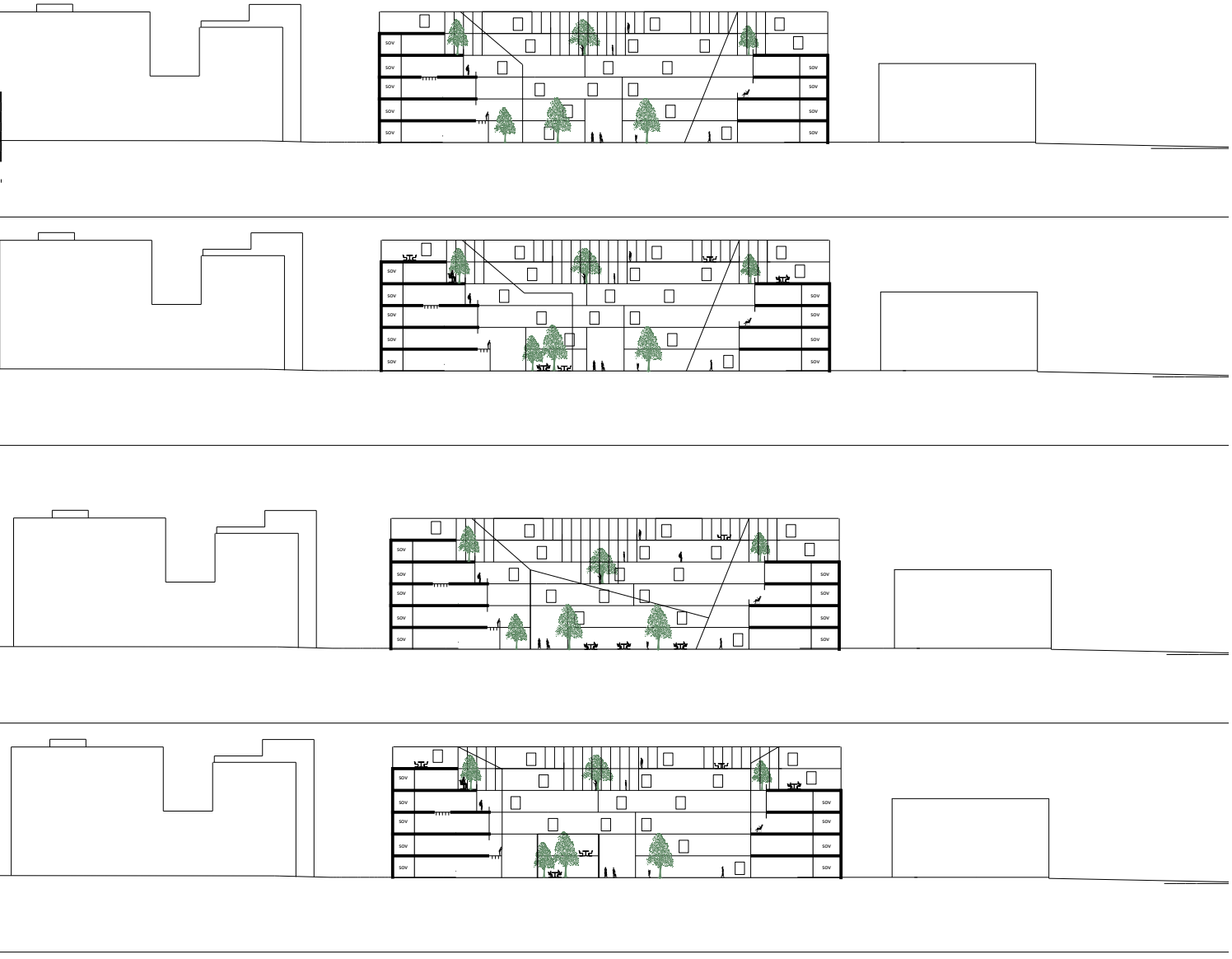
Fasade test 1:1000

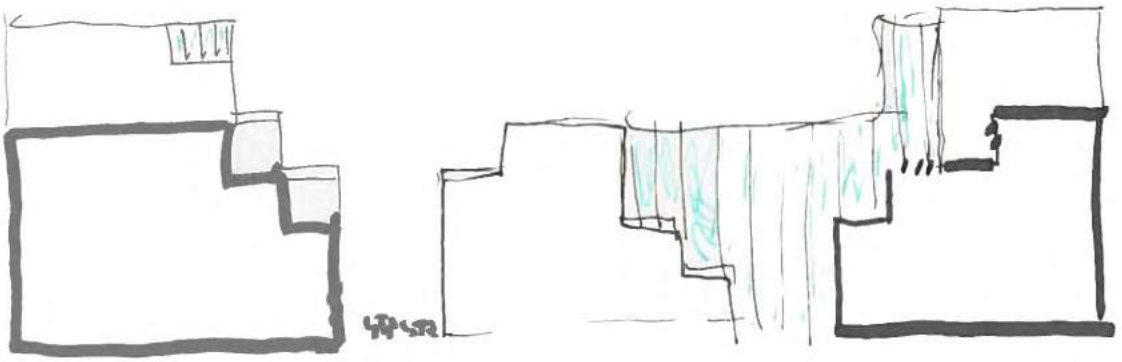


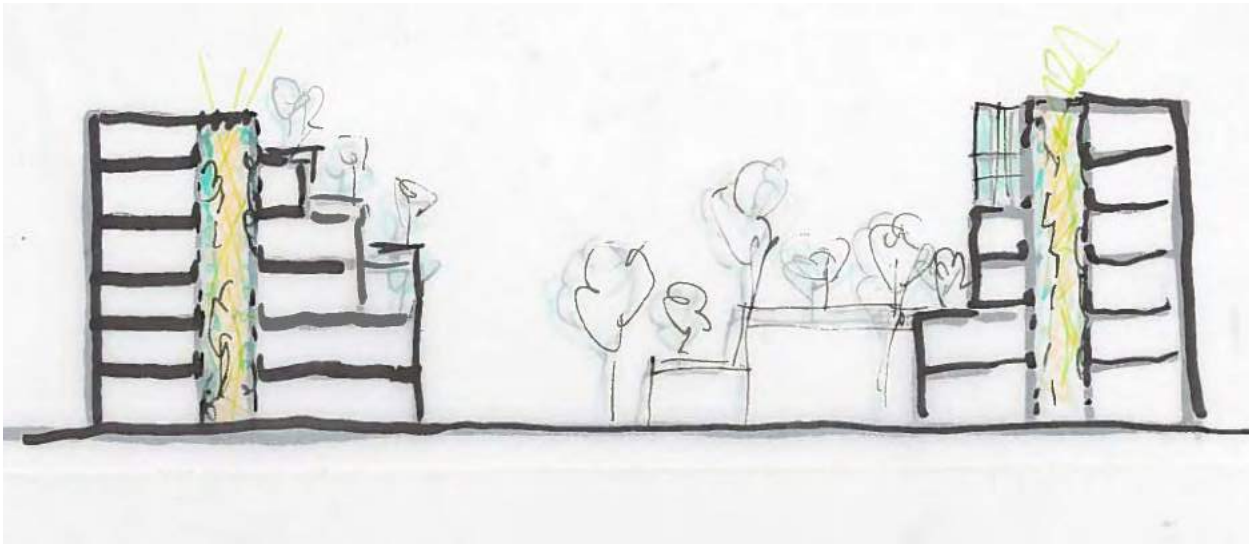


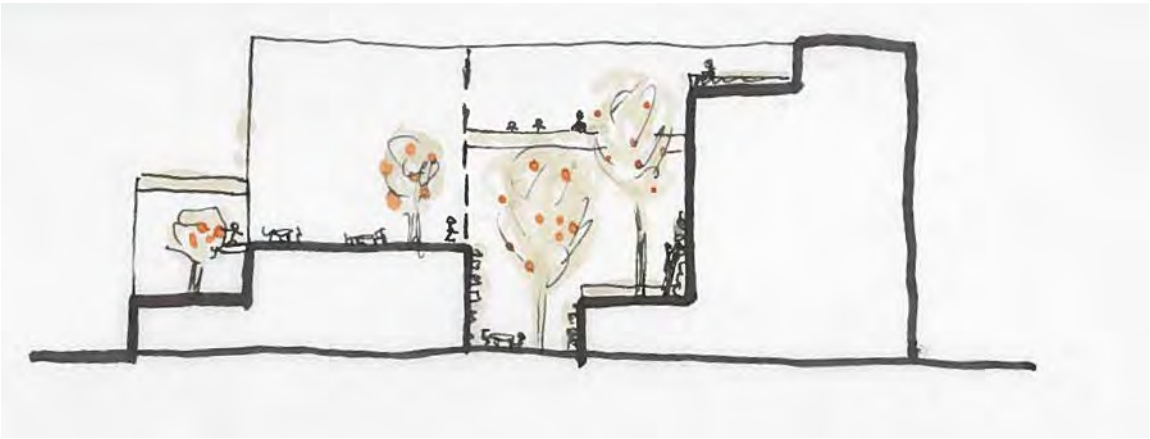


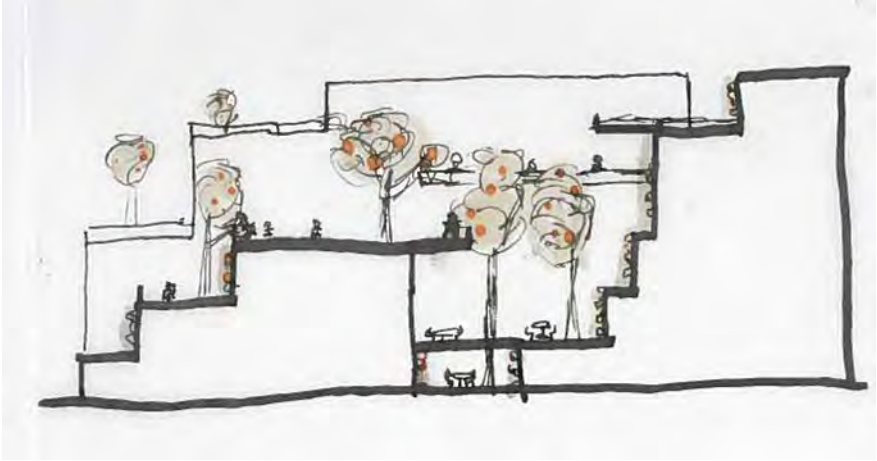
Snitt 1:1000

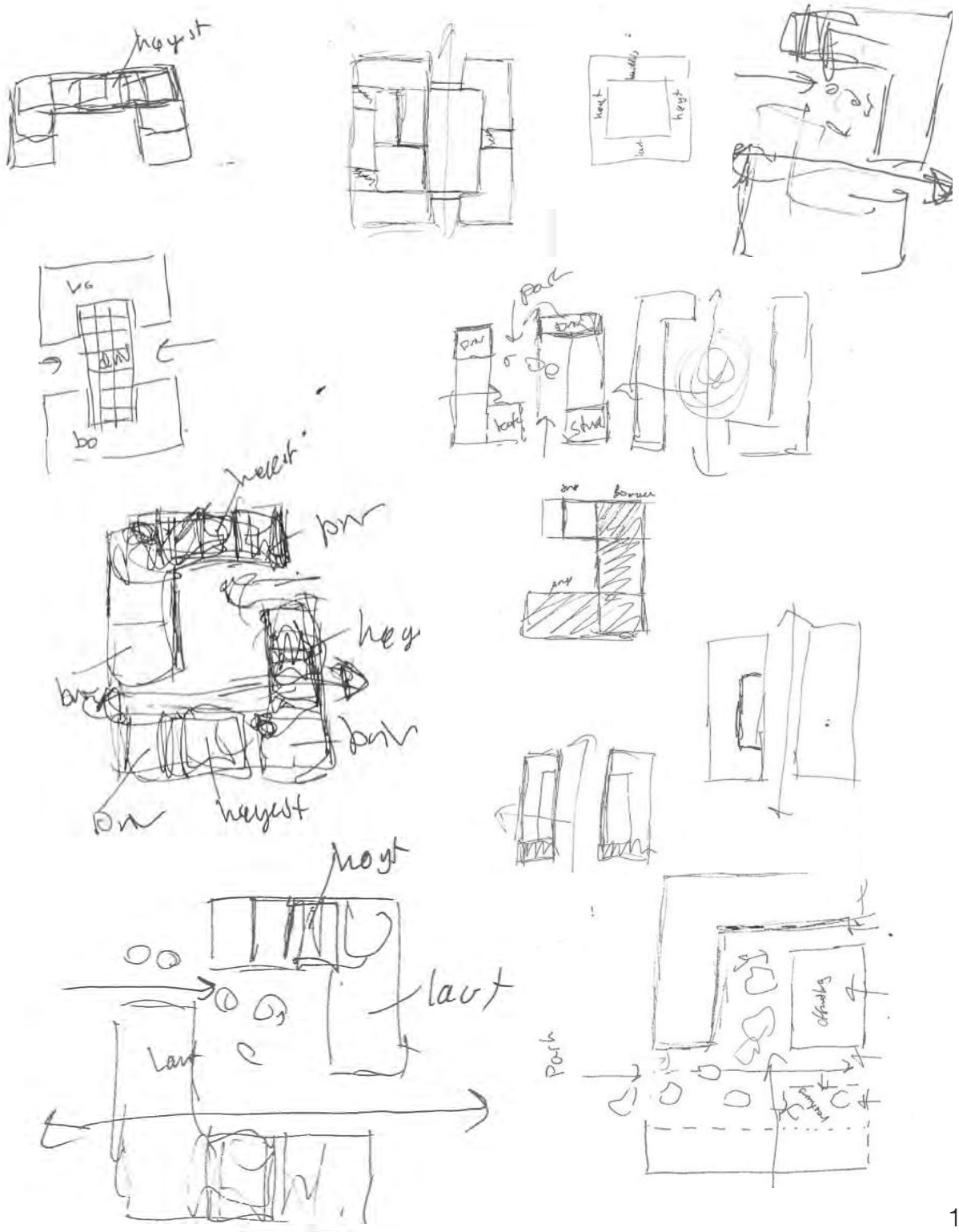




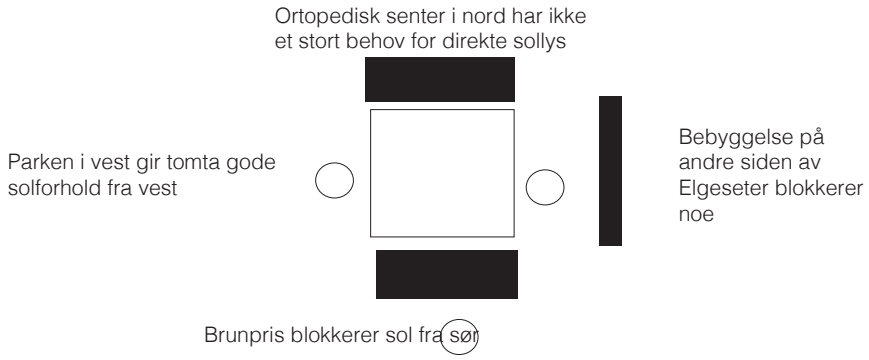


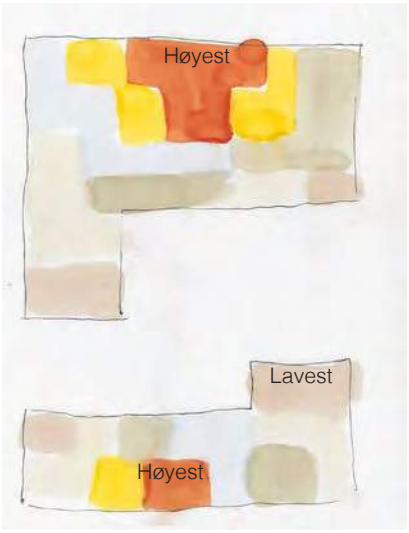


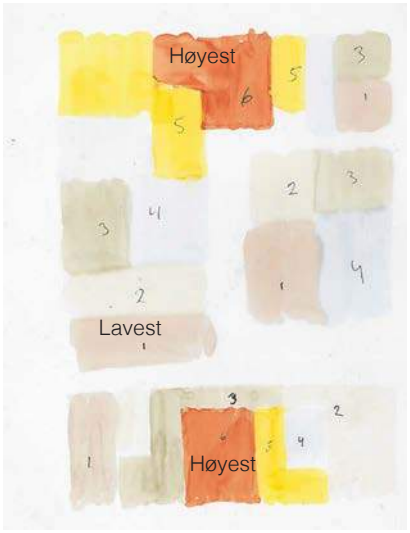


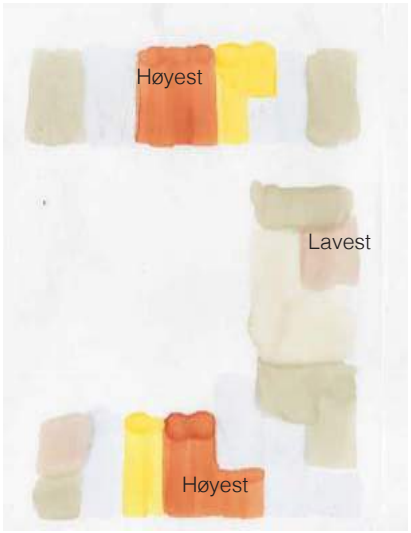

hoyst
laut
Laut
Park

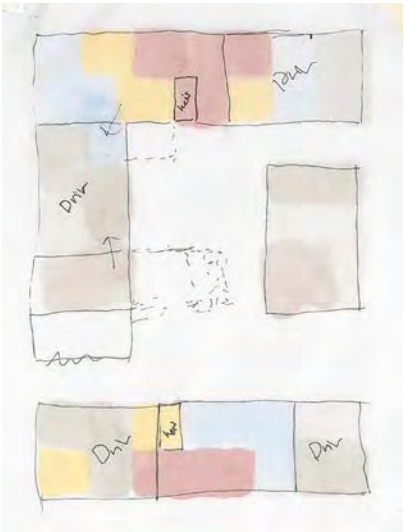
Opptrapping prinsipp

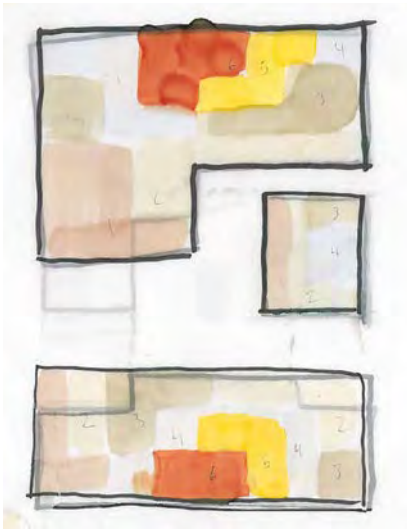


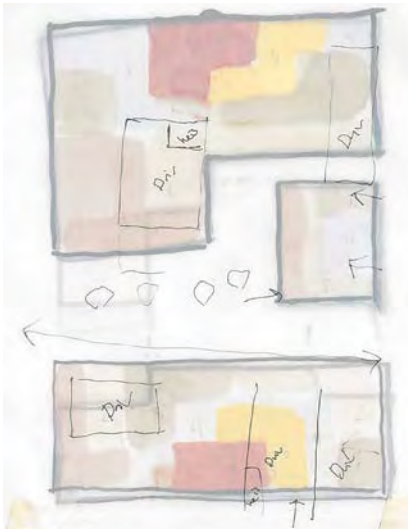








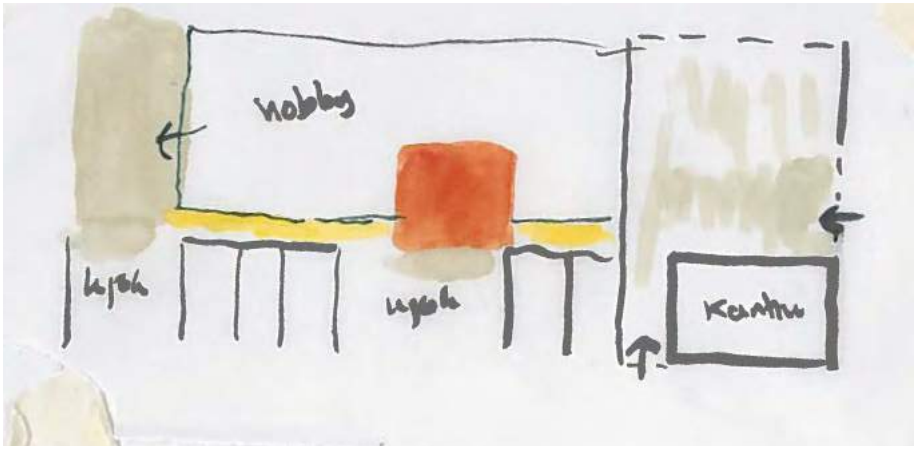




Organiserings prinsipp

Halvoffentlige og grønne soner som buffer mellom offentlig og privat

Første etasje

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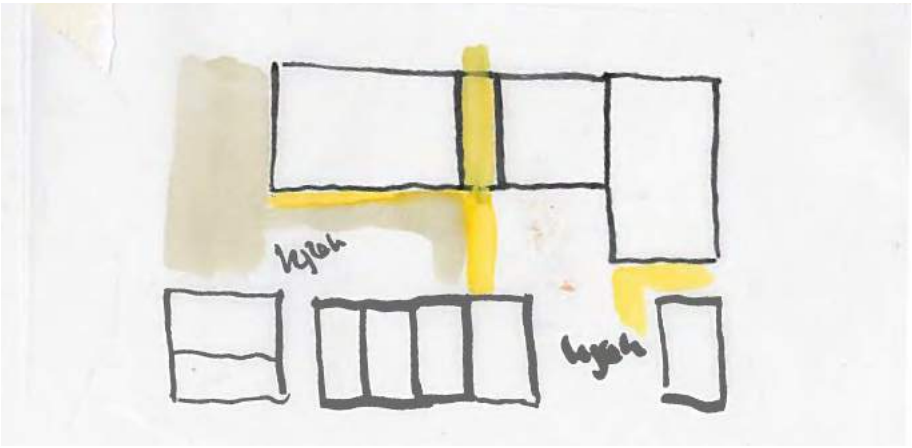
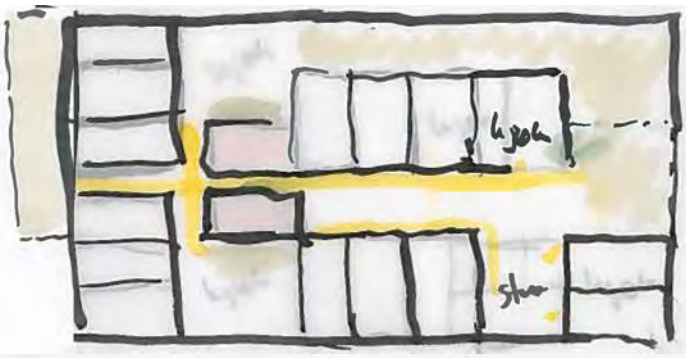
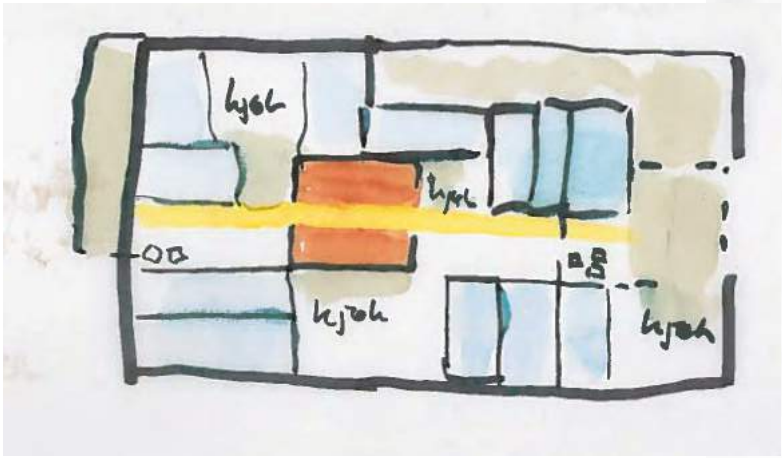
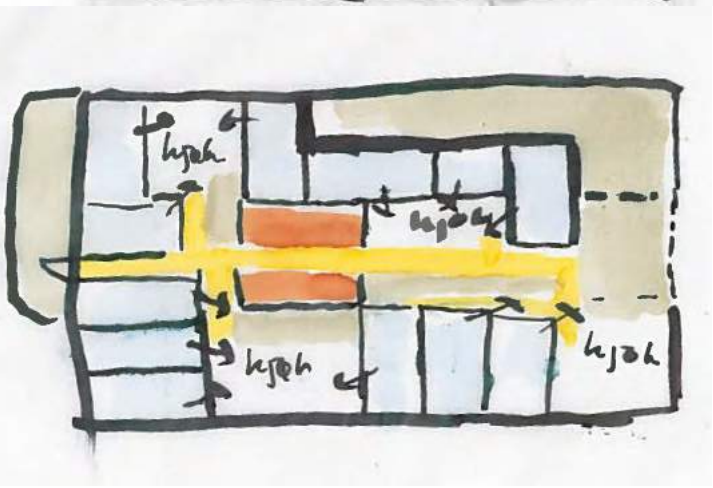
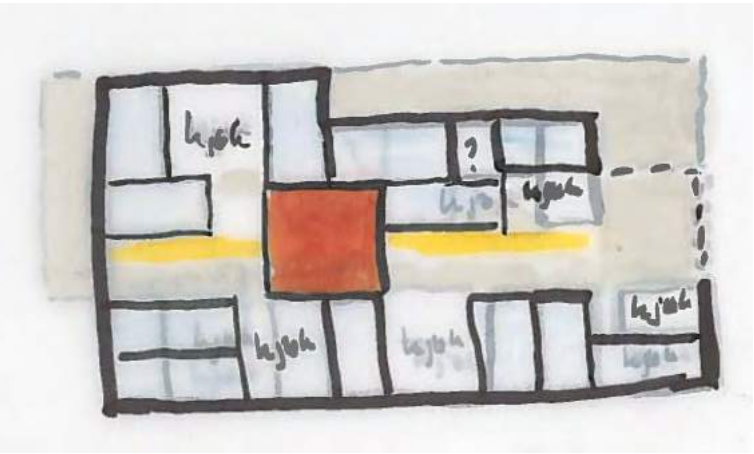


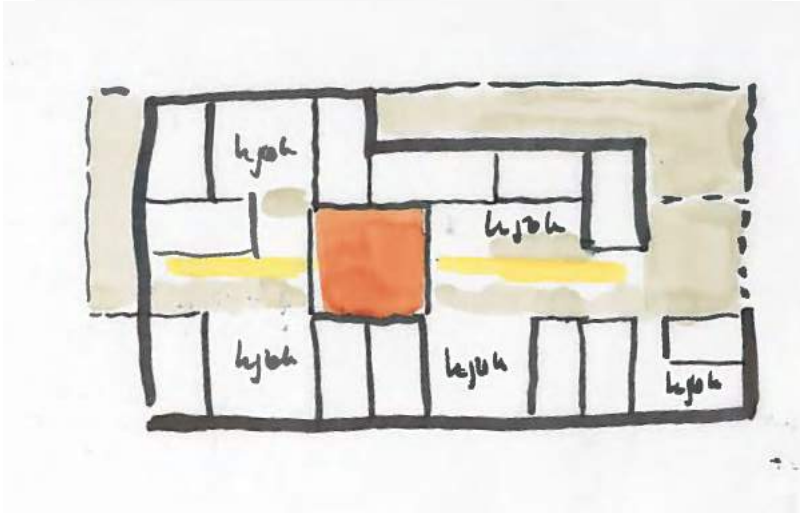
Tredje etasje



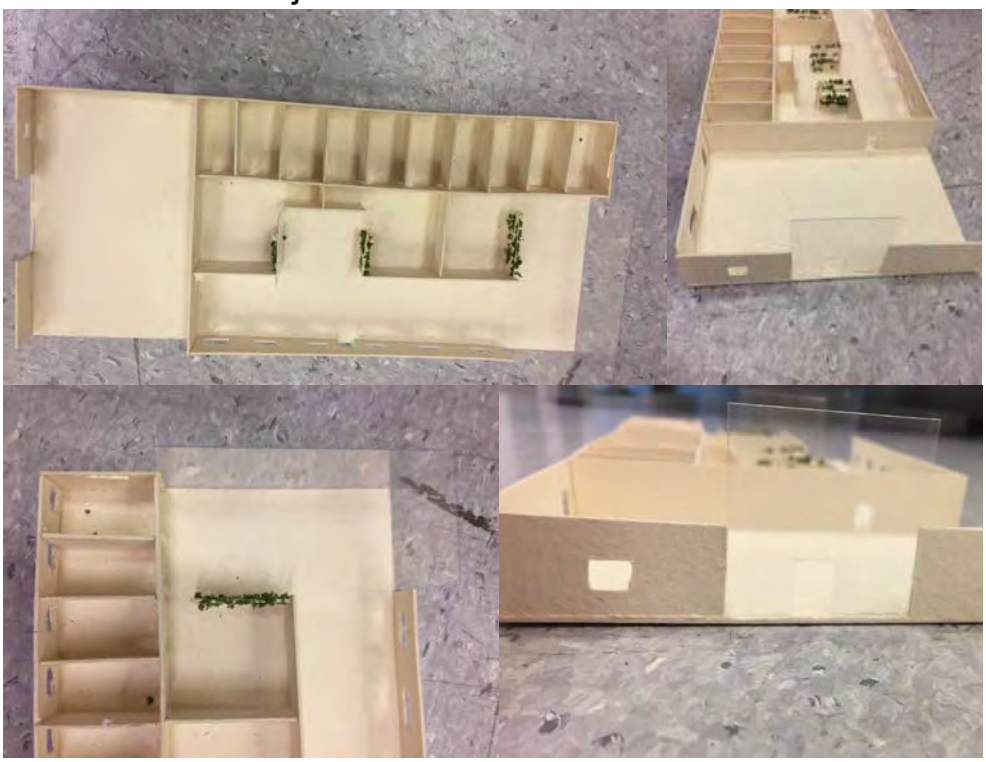


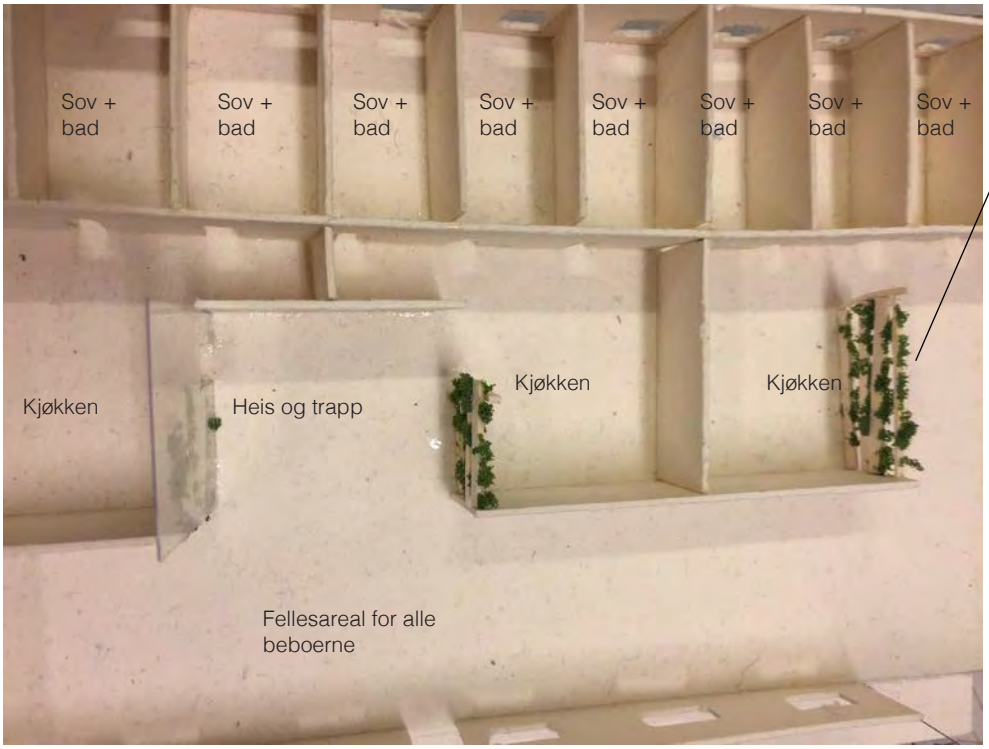


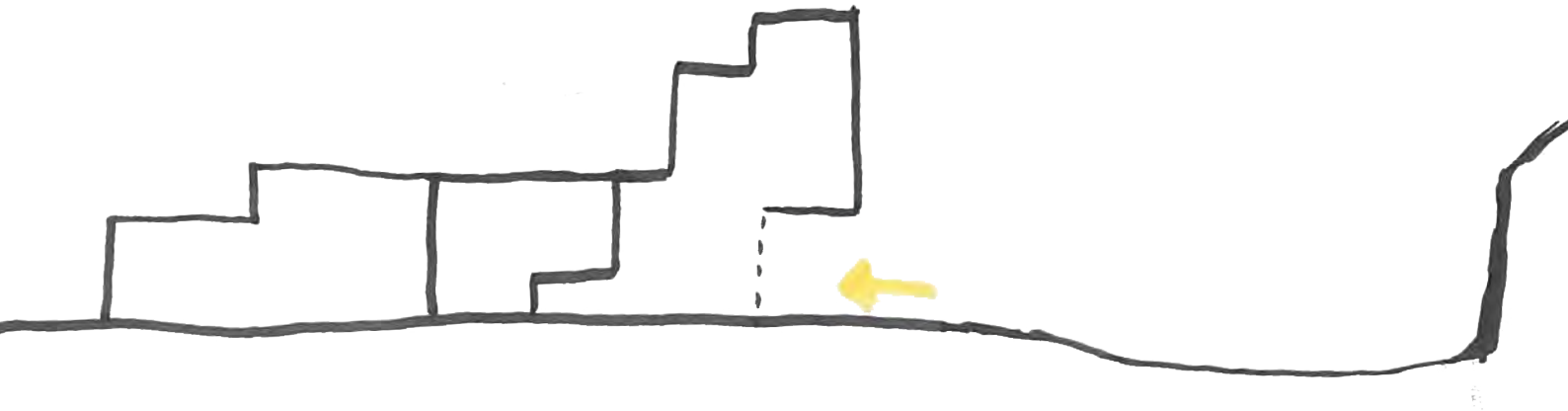


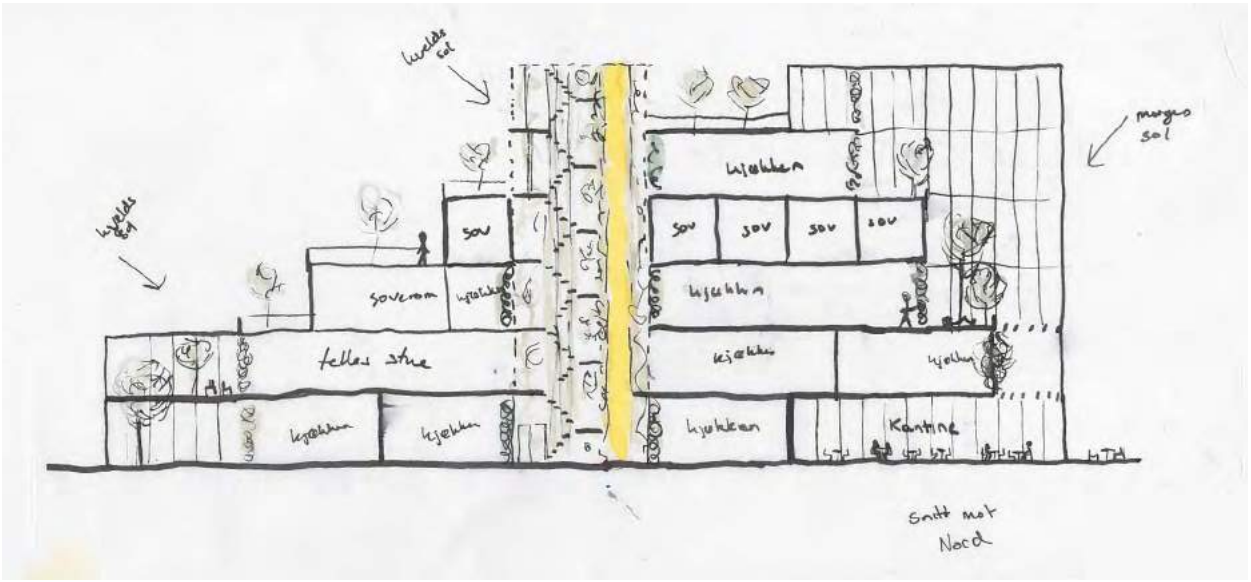


Modell 1 etasje 1:200





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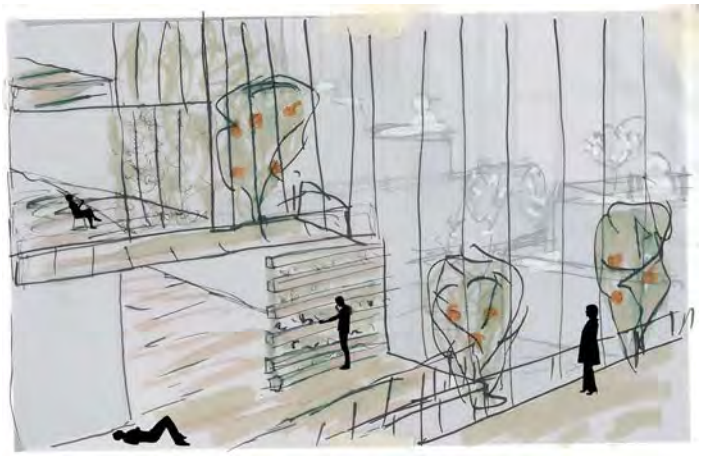
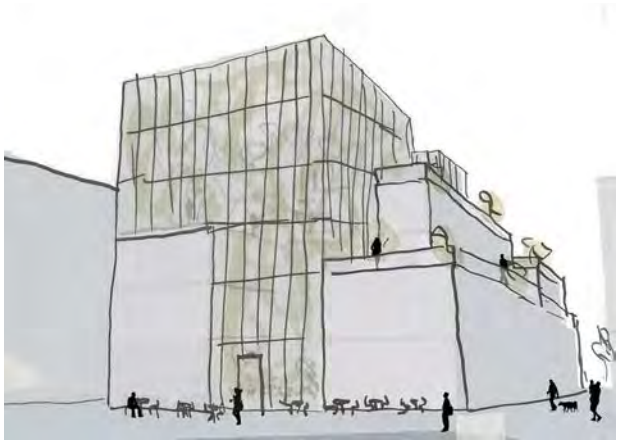
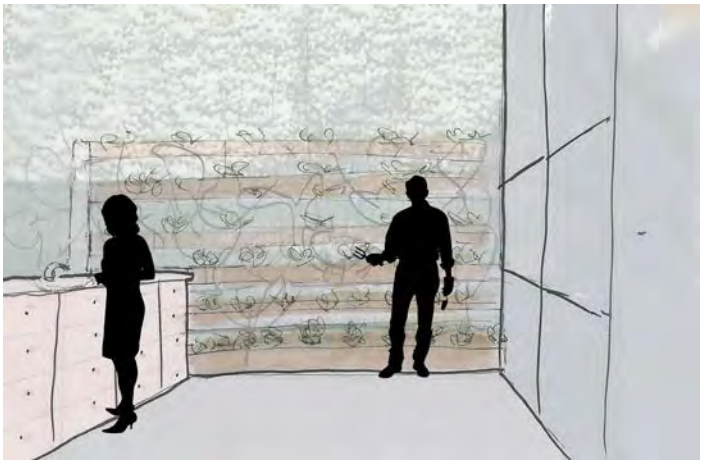
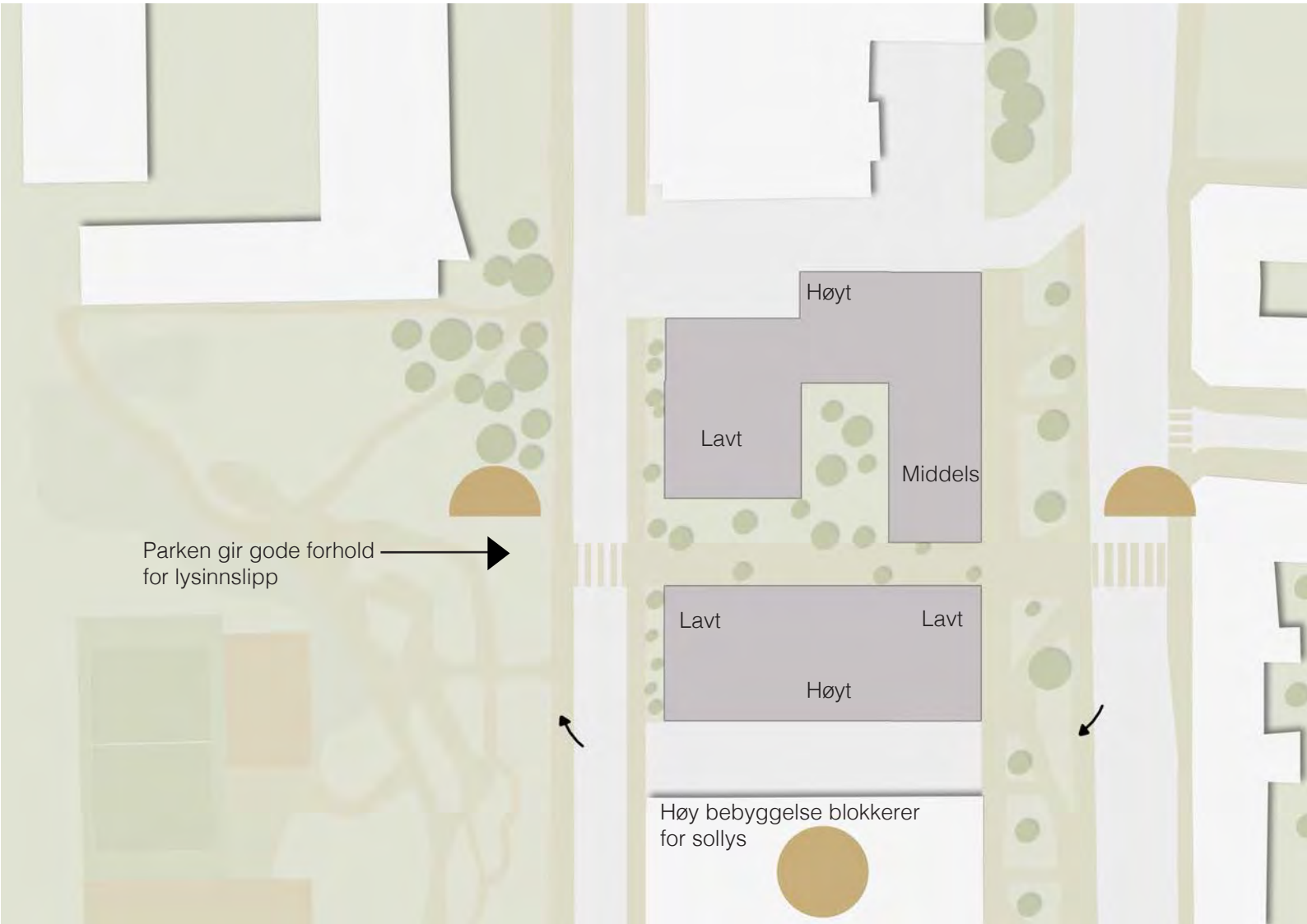







4-7
1-4
1-2
(1-2)
3-7


Høyt
Lavt
Middels
Parken gir gode forhold
for lysinnslipp
Lavt
Lavt
Høyt
Høy bebyggelse blokkerer
for sollys

Til midtsemester

Ingen dodør?

1 etasje

Hvor er rømningstrapp?

Langt spenn? 22m

For lite lagring ?

2 etasje

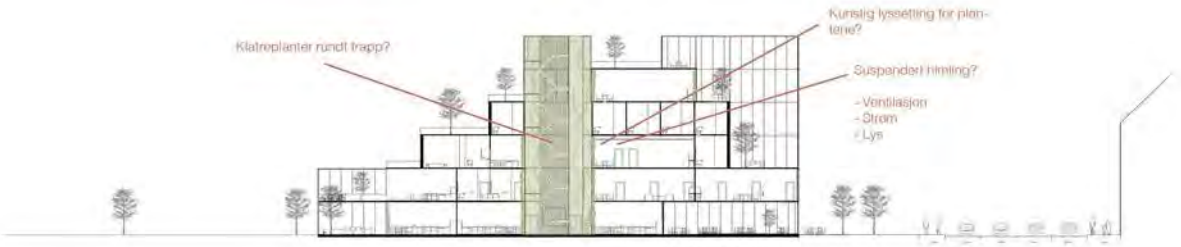
Dør slik at snusirkelen ved seng kan være den samme som ved dør

3 etasje

4 etasje

5 etasje

6 etasje



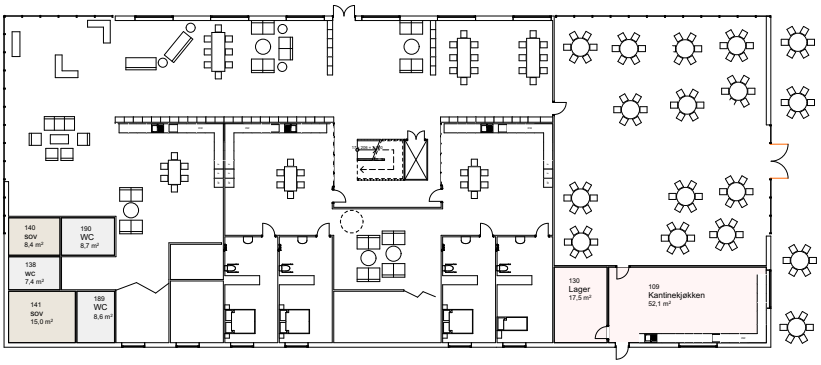
Snitt med dagens vei

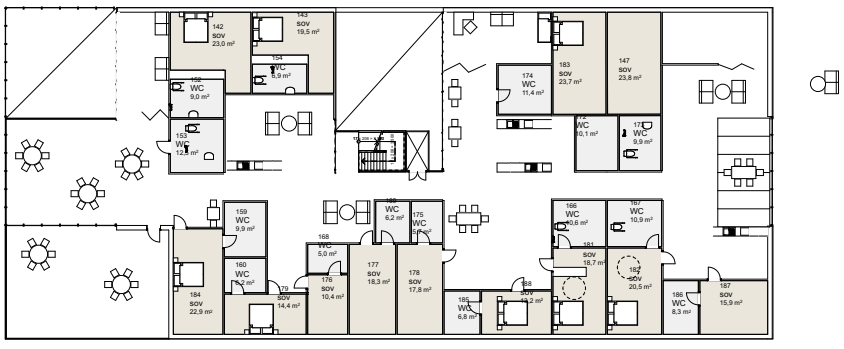
Snitt med mulig fremtidig vei

Fasade mot Elgeseter gate

Etter midtsemester

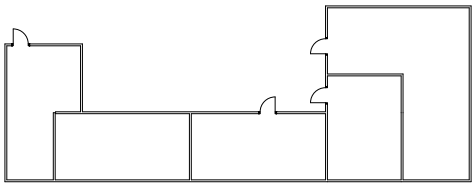
Prøver å løse opp den lange rekken med soverom for å unngå følelsen av en institusjon men heller skape en følelse av et hjem

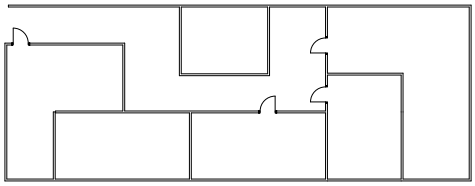


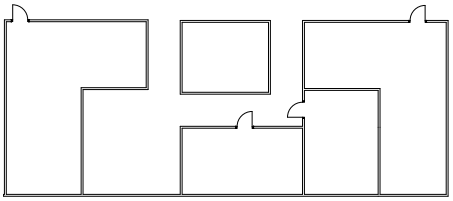


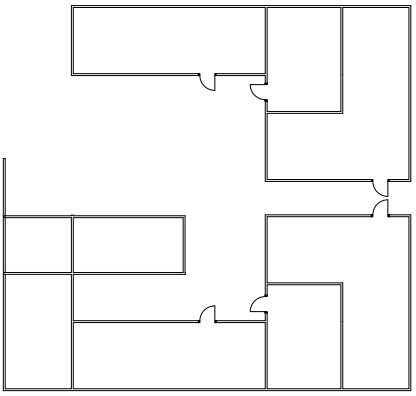
1:500

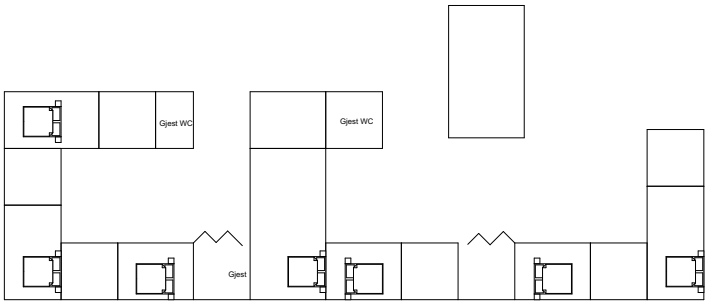
Bryte opp rekken med rom

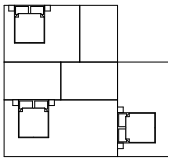


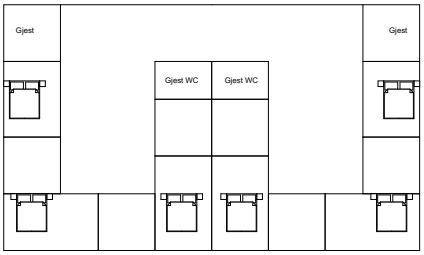


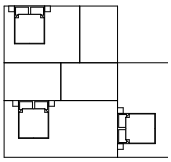


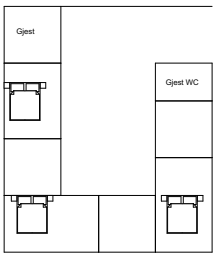


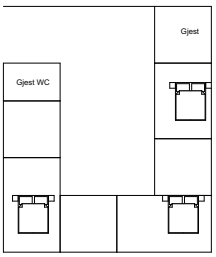




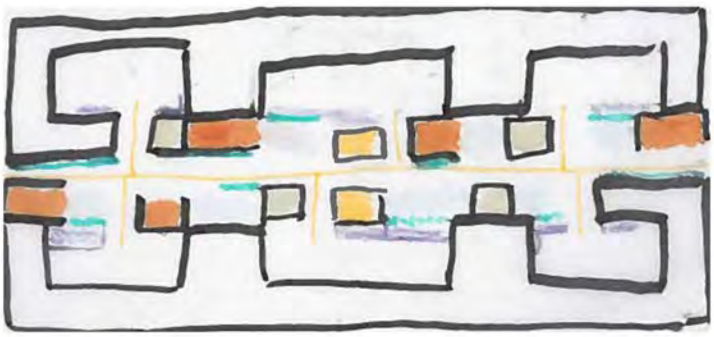


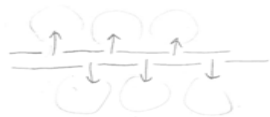


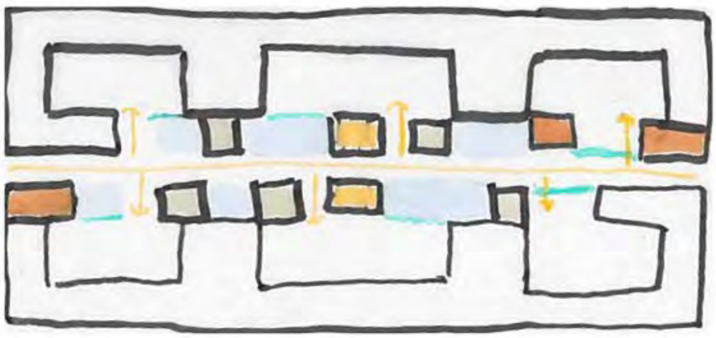


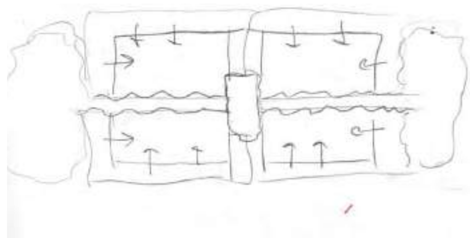


Organisering av soverommene

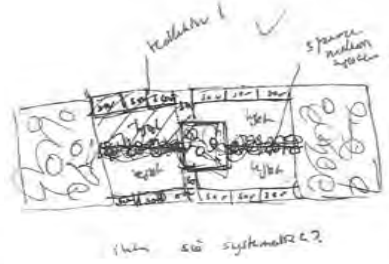




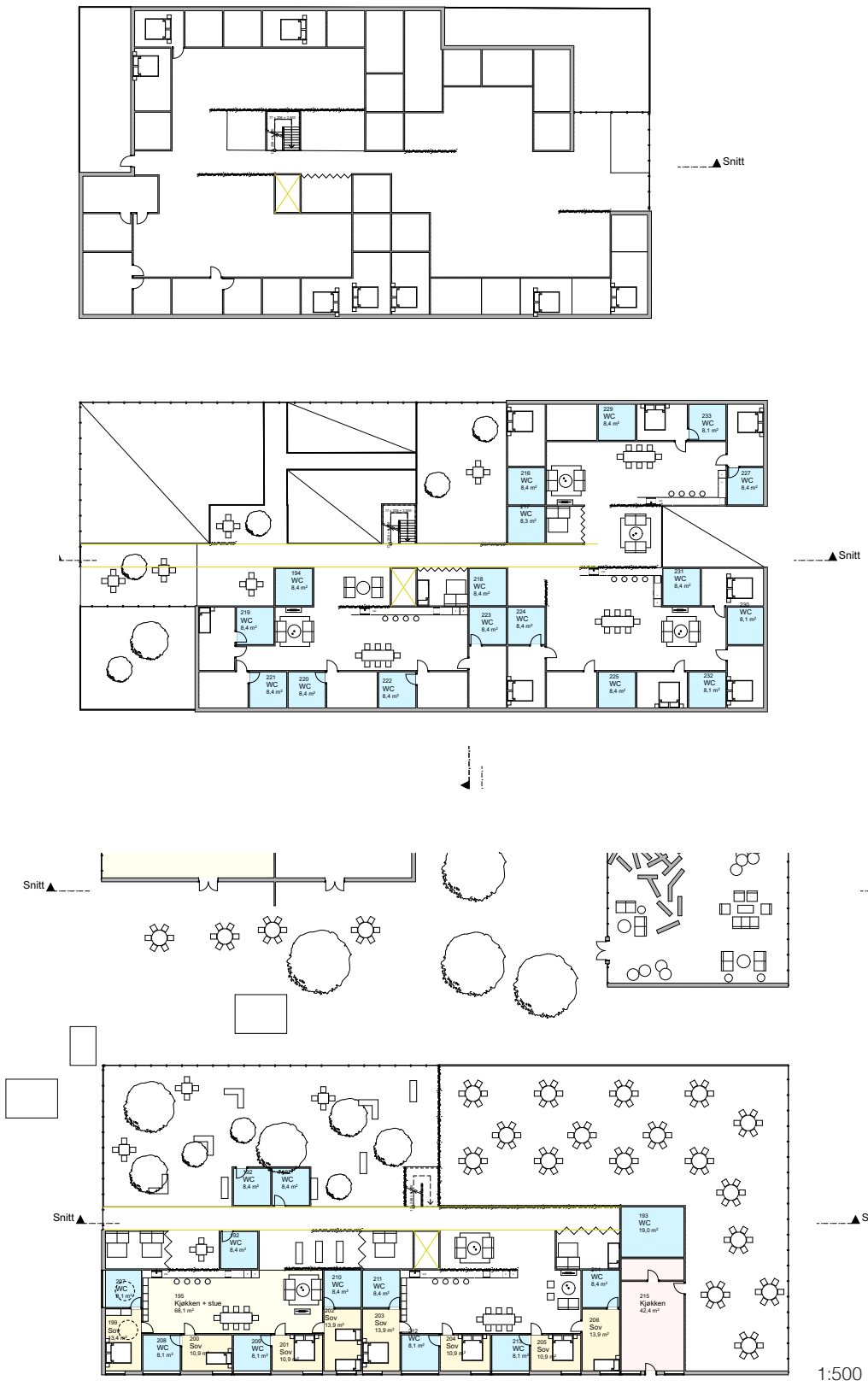




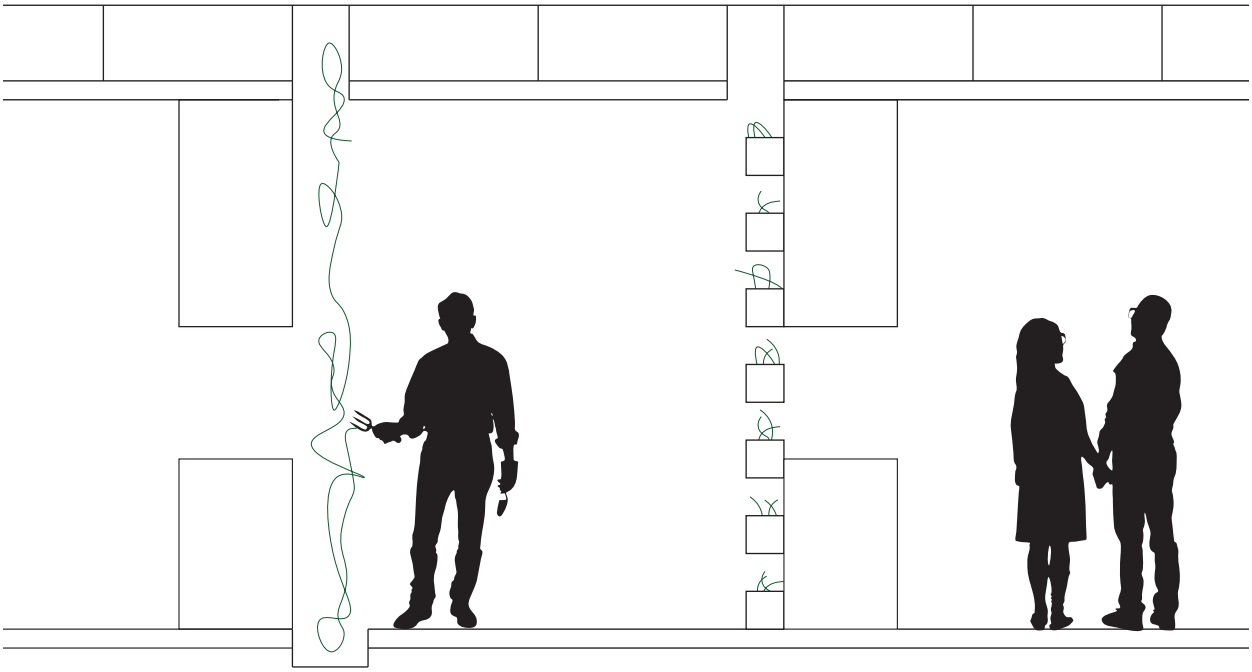

Privat
kollektiv
felles
kollektiv
Privat



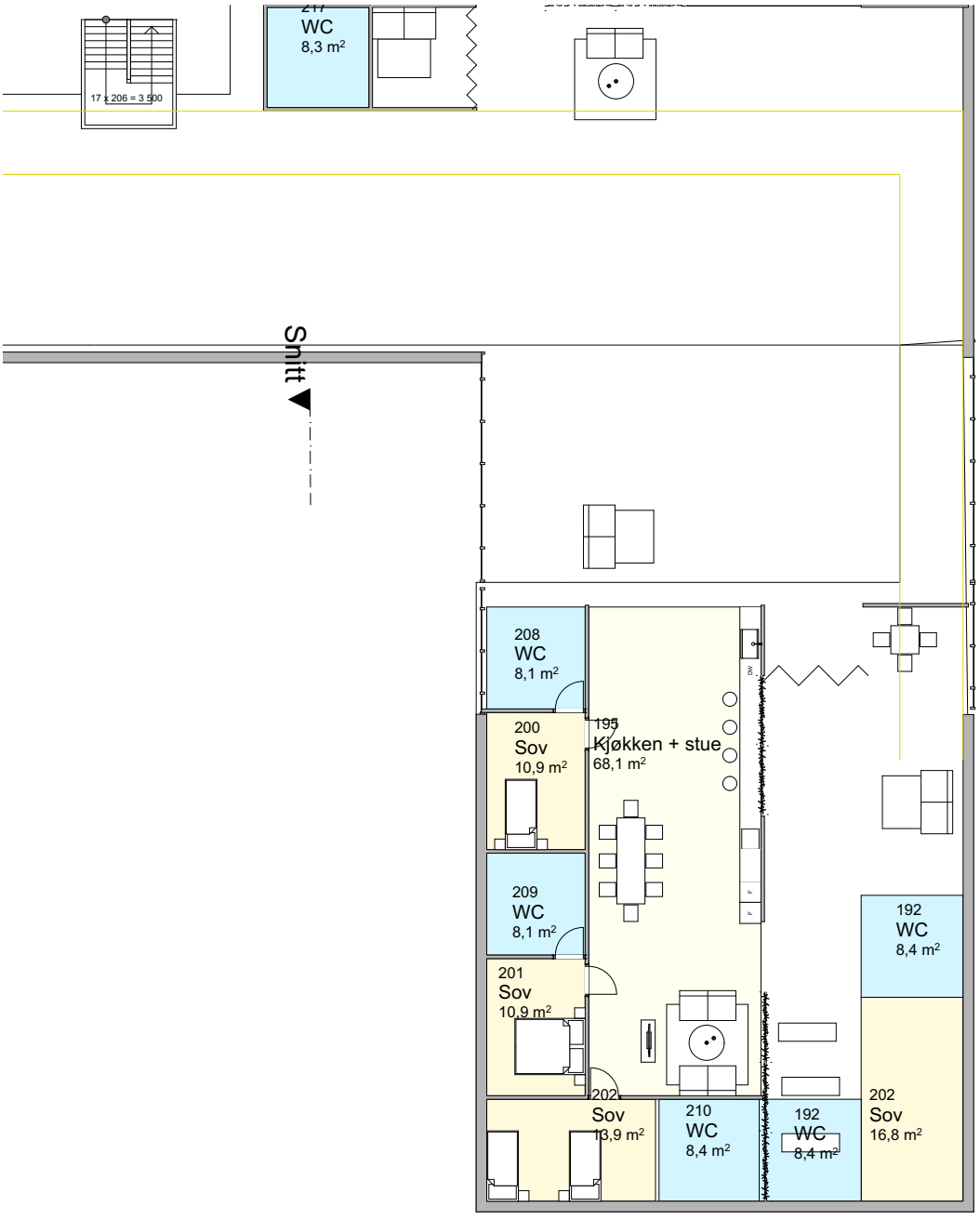
Test av kollektiv



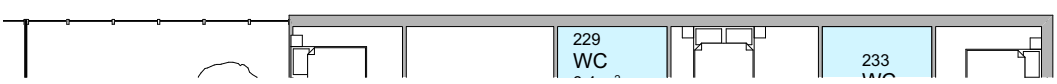
Gang => grønn opplevelse

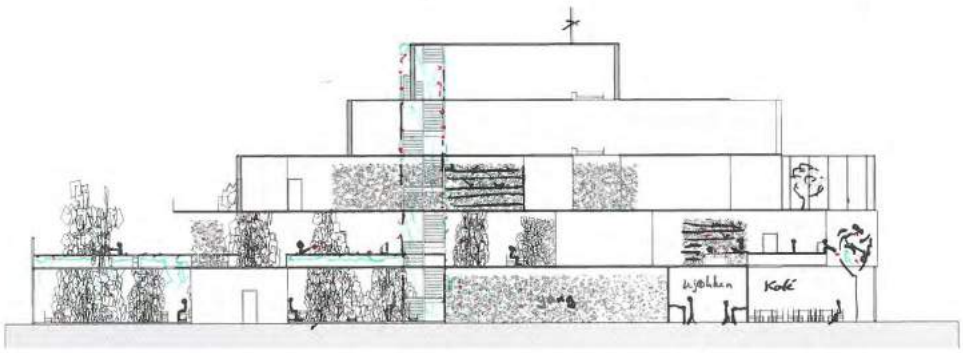


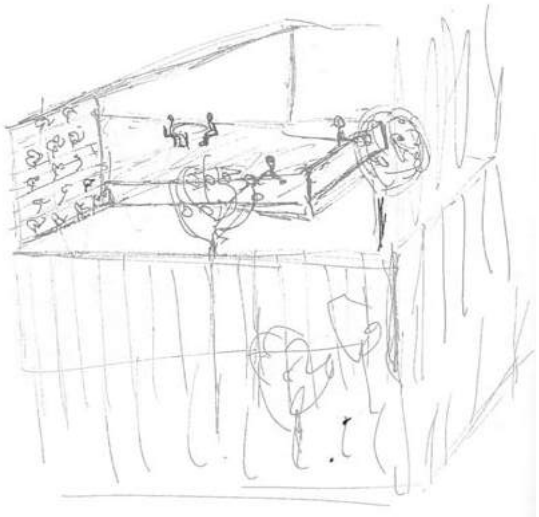
Bedre når bygget er smalere?

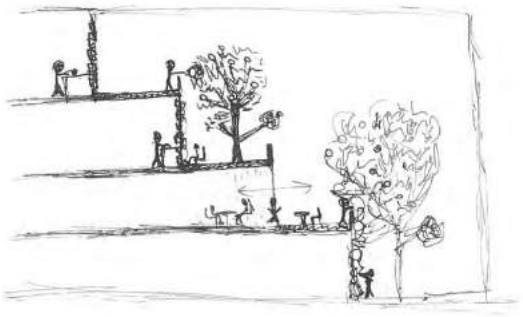


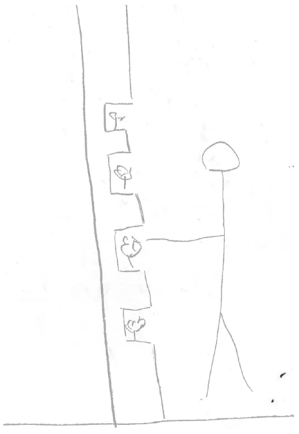
Snitt




Kafé





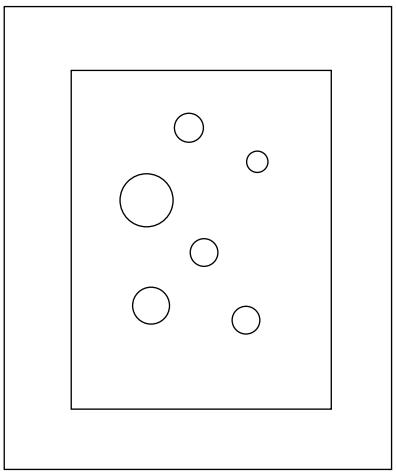


For bredt til å få gode lysforhold i de nederste etasjene
Kvalitet VS kvantitet

Hvordan sørge for gode lysforhold for alle og samtidig få til opptrappingen og takhagene?

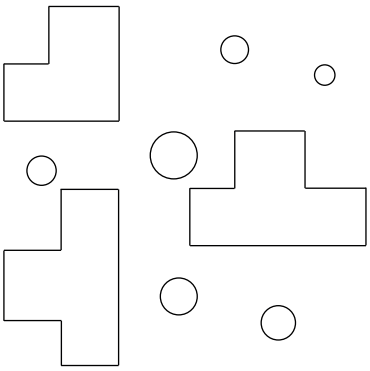
Smalere fotavtrykk betyr færre enheter/soverom

Et par steg tilbake- Hvilke typologier kan fungere på tomta og gi alle enhetene gode lysforhold

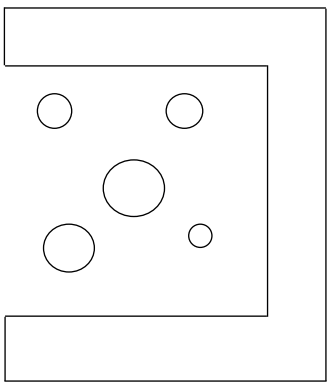


Bygård
Lukket privat hage i midten
Bygget fungerer som støyskjerm

Ønsker å åpne mer mot parken en denne typologien gjør

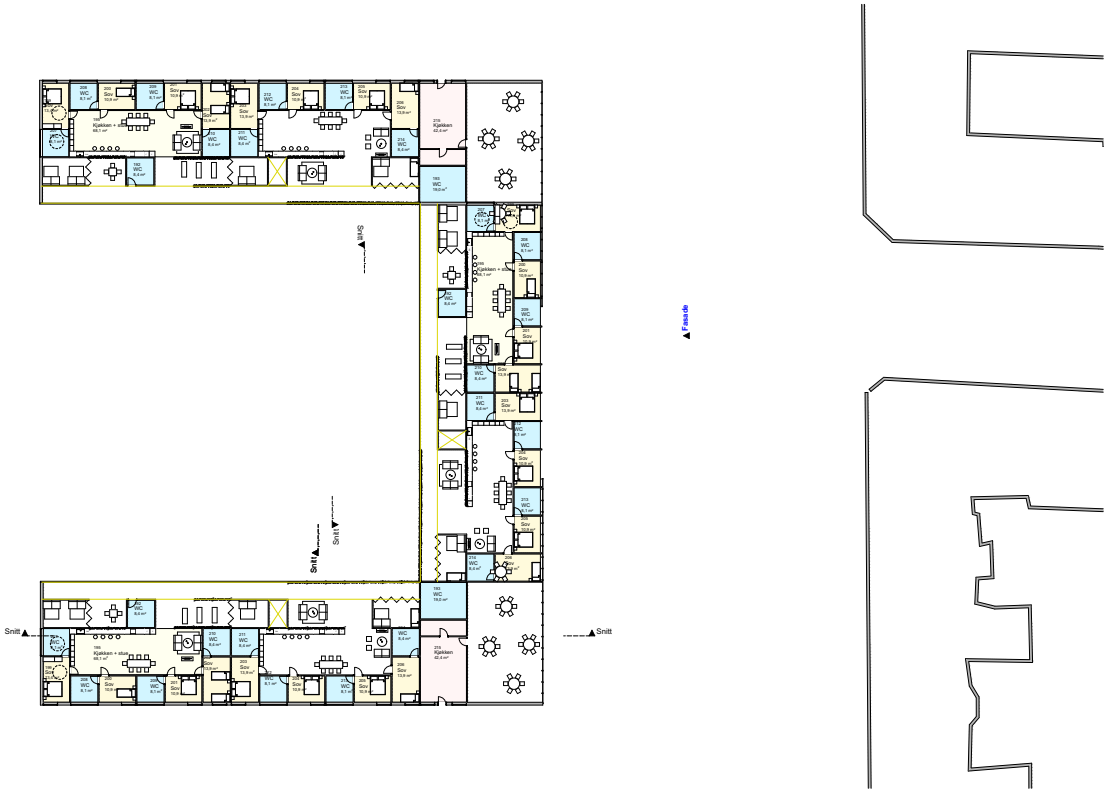


Byvilla
Leke med åpenhet mellom ute og inne
Natur mellom enhetene
Kan få til spennende opptrapping og takhager

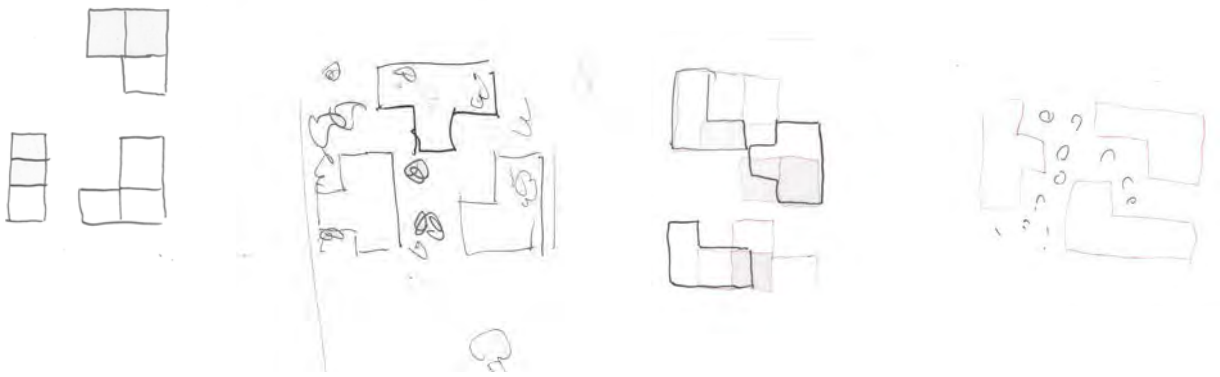


Hestesko
Forlengelse av parken i midten av hesteskoen
Bygget fungerer som støyskjerm

Test av hestesko



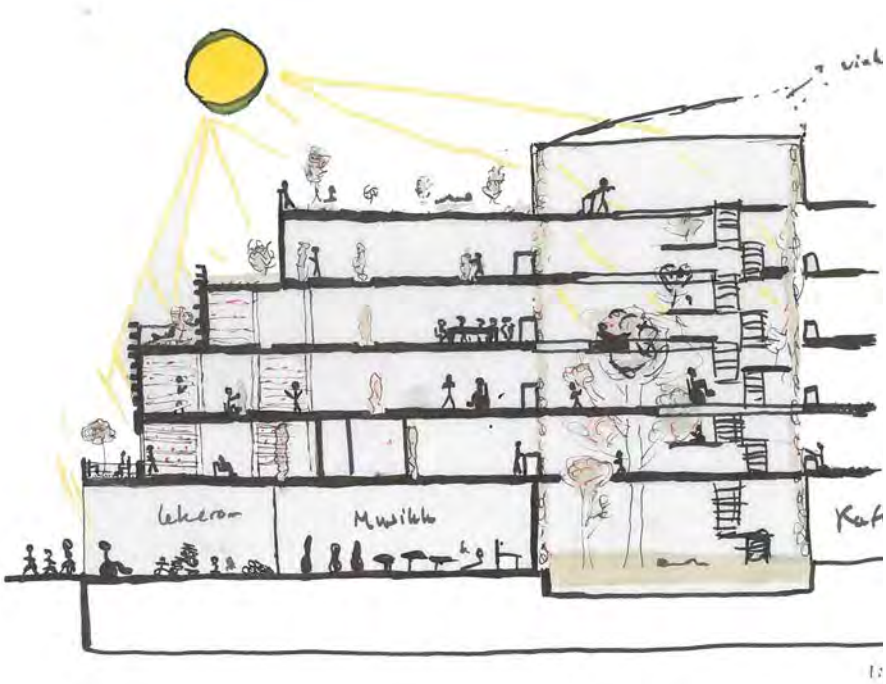
Test av Byvilla

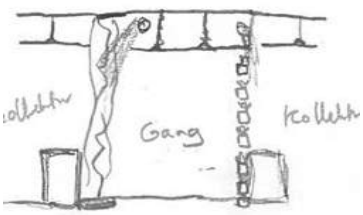


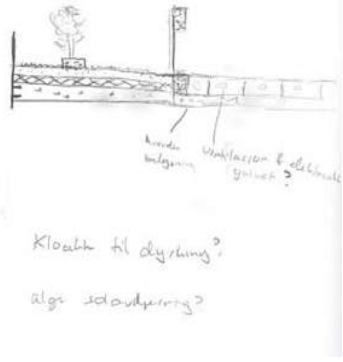
Kombinere byvilla og hestesko?

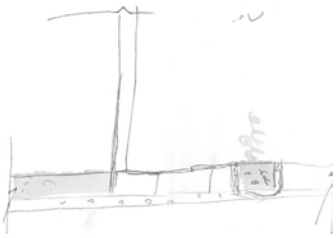
Byvilla med atrium som kobler to og to byvillaer sammen.

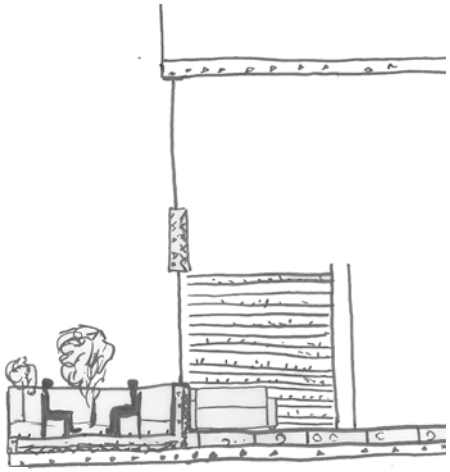

lys
Grønn
opplevelse

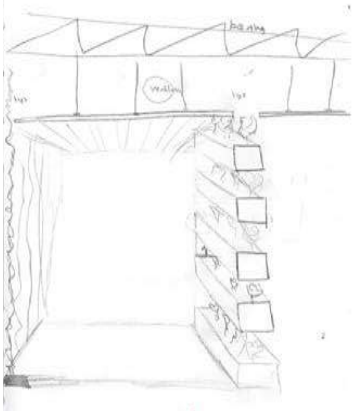

Leke
Kaf

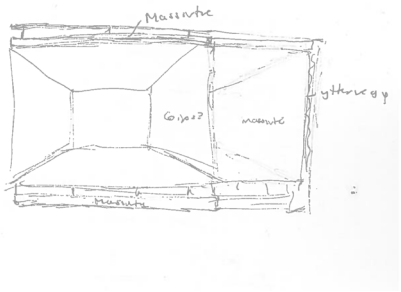

Gang

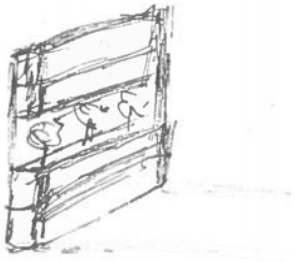

Klosett til dyrking?
Algt solavdjerning?








Massivtre

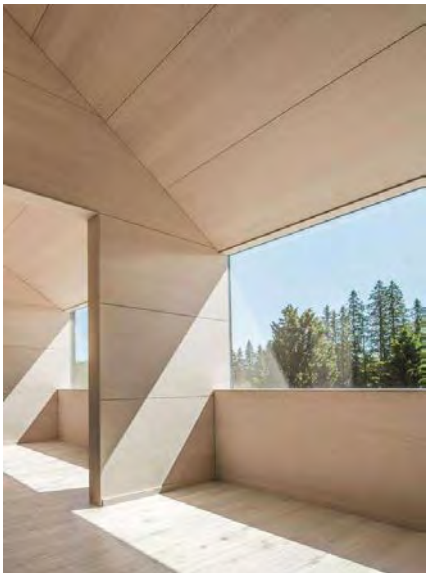


Materialvalg: Hvorfor massivtre ?

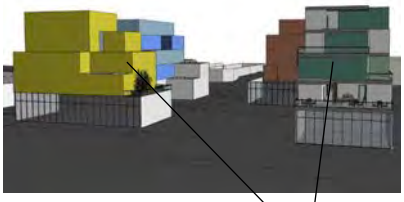
Til å begynne med tenkte jeg å gå for stål og betong som bygningsmaterial da de fleste byggene lags Elgeseter er bygget i stein.

Materialvalget falt etterhvert på massivtre som er et levende, varmere og mer ”hyggelig” materiale. Det gir en god atmosfære og en nærhet til naturen. Et varmt materiale kan være positivt i en trafikkert og ”grå gate”. Det er svært få helsebygg i massivtre og materialet gir derfor ingen sterke assosiasjoner til alderdom, sykdom og død slik som helsebygg for mange gjør.

At materialet også skal være mer miljøvennlig enn betong er positivt men tanke på helsen til mennesker globalt. Skal mennesker kunne ha gleden og helsegevinsten av natur er det viktig å ta vare på den.



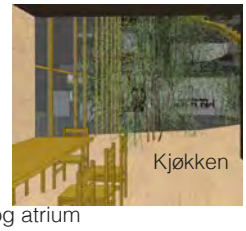
Utforsking i 3d



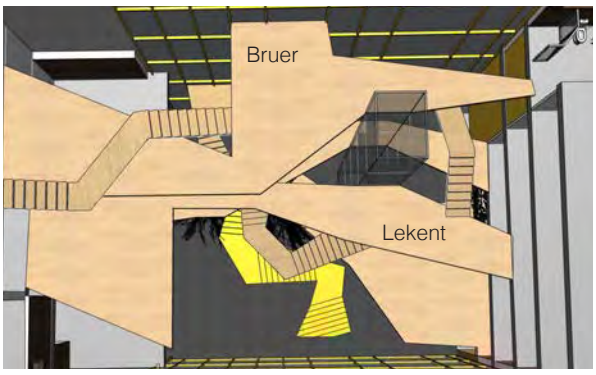
Farger

Mørk tre fasade med innslag av gult

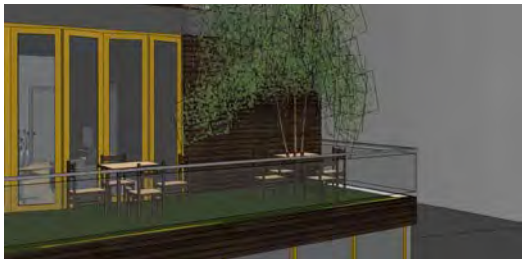
Gul => glad farge

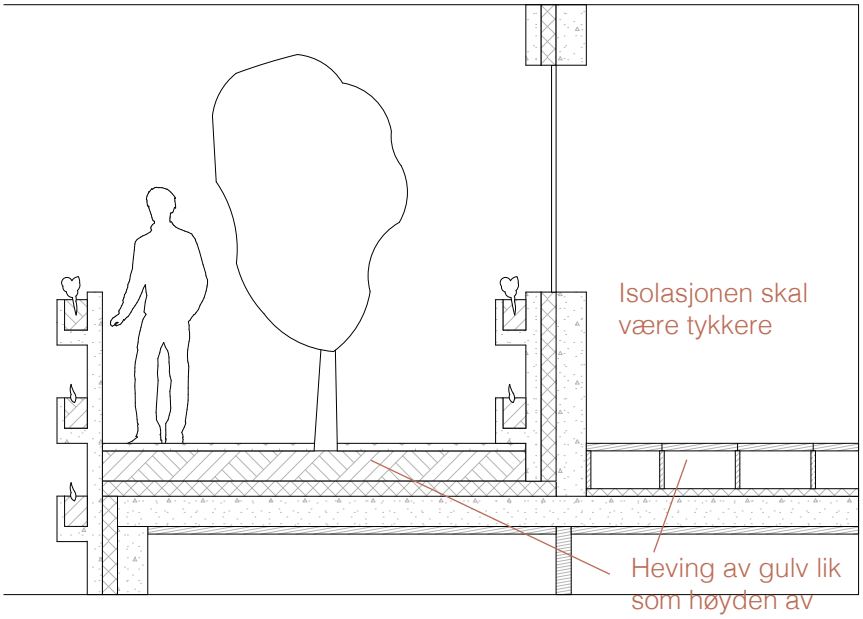


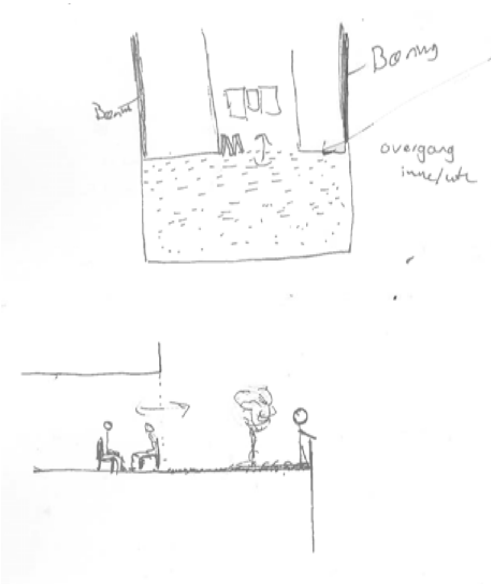
Planter som skille mellom kollektiv og atrium



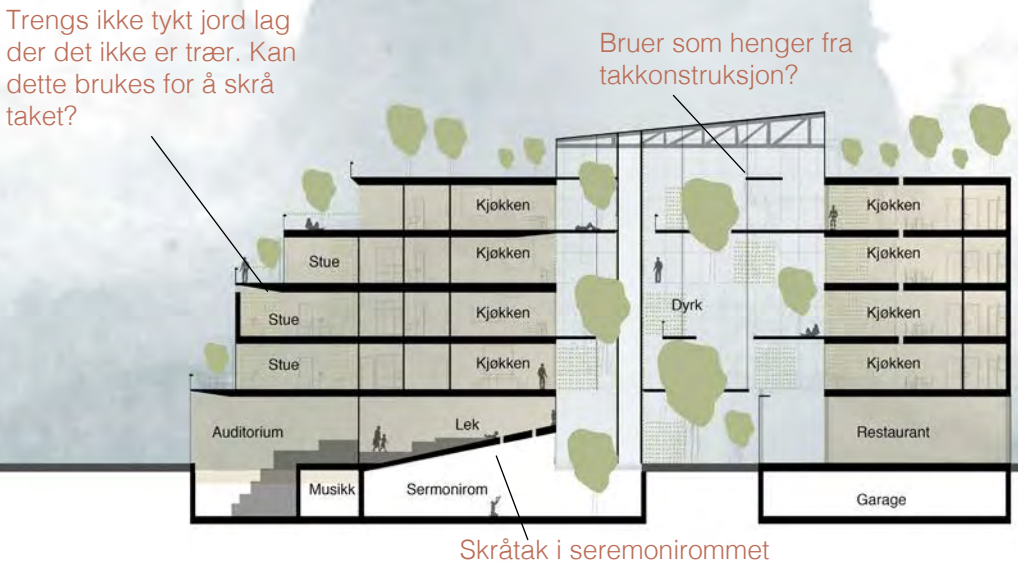
Planter i rettverket?



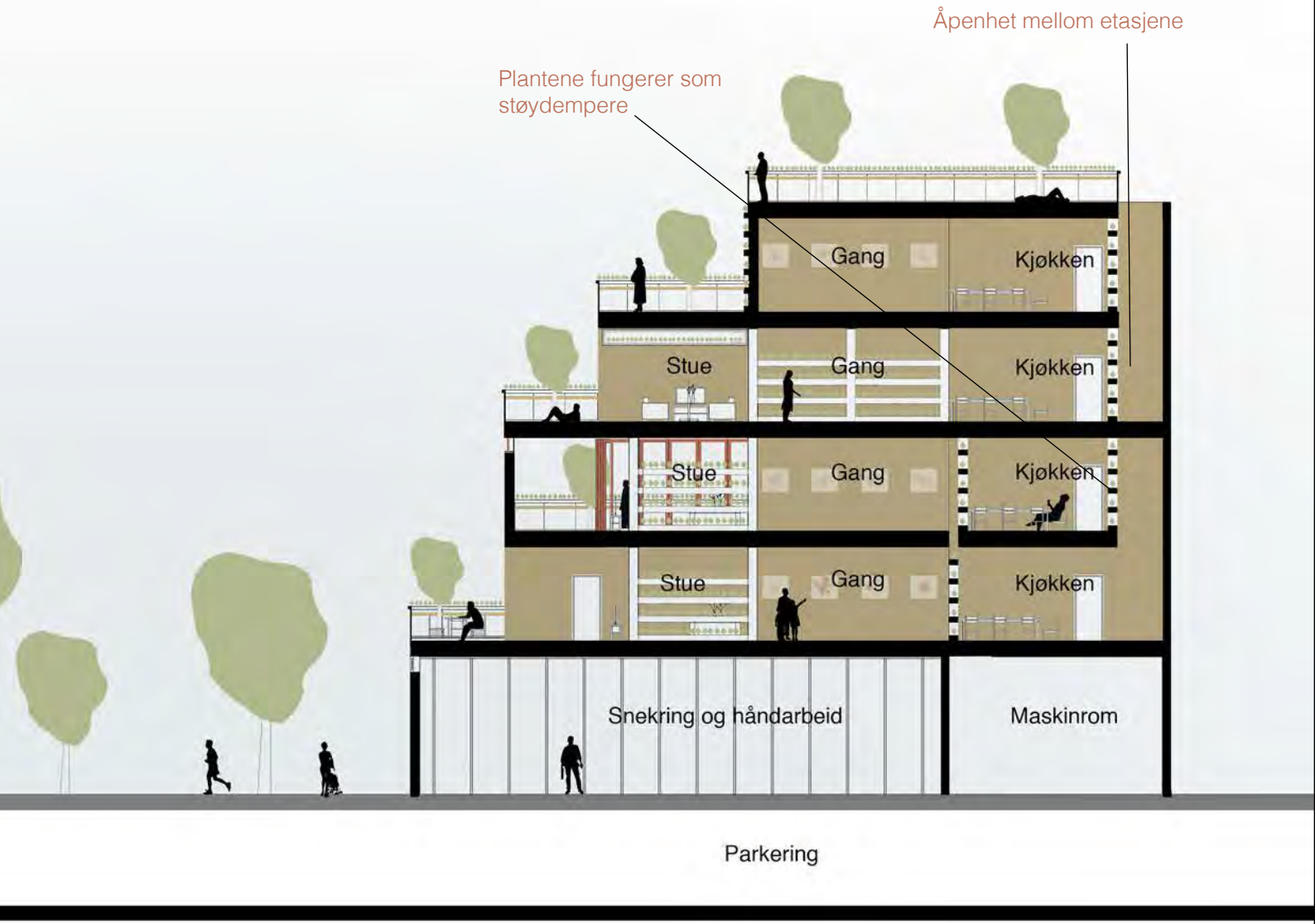

Isolasjonen skal
være tykkere
Heving av gulv lik
som høyden av
jordlaget


overgang

Snitt mot Nord 1:500



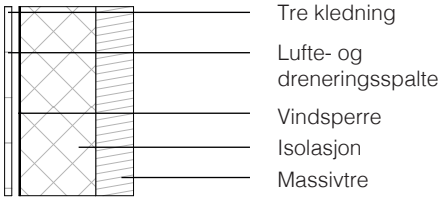
Snitt mot vest 1:200


Åpenhet mellom etasjene
Plantene fungerer som støydempere
Gang
Kjøkken
Stue
Gang
Kjøkken
Stue
Gang
Kjøkken
Stue
Gang
Kjøkken
Snekring og håndarbeid
Maskinrom
Parkering

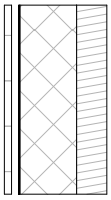
Yttervegg 1:20

TEK17:
U-verdi yttervegg [W/m2K]
≤ 0,18

Passivhus krav:
U-verdi yttervegg [W/m2K]
≤ 0,11

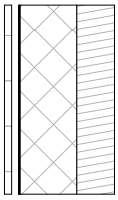


U-verdi: 0,185 W/m2K
Tilfredstiller ikke TEK17 krav



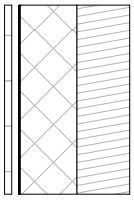
Isolasjon: 150mm
Massivtre: 80mm

U-verdi: 0,180 W/m2K



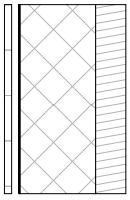
Isolasjon: 150mm
Massivtre: 100mm

U-verdi: 0,170 W/m2K



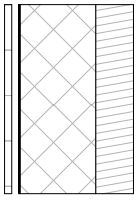
Isolasjon: 150mm
Massivtre: 140mm

U-verdi: 0,146 W/m2K



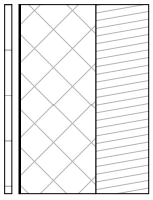
Isolasjon: 200mm
Massivtre: 80mm

U-verdi: 0,142 W/m2K



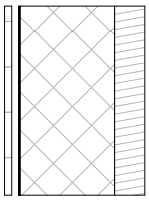
Isolasjon: 200mm
Massivtre: 100mm

U-verdi: 0,136 W/m2K



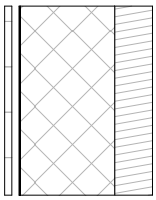
Isolasjon: 200mm
Massivtre: 140mm

U-verdi: 0,120 W/m2K



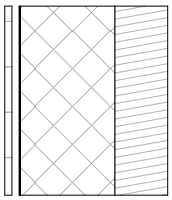
Isolasjon: 250mm
Massivtre: 80mm

U-verdi: 0,118 W/m2K



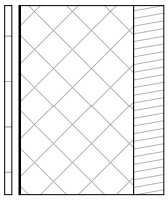
Isolasjon: 250mm
Massivtre: 100mm

U-verdi: 0,113 W/m2K



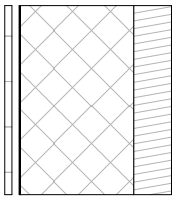
Isolasjon: 250mm
Massivtre: 140mm

U-verdi: 0,102 W/m2K



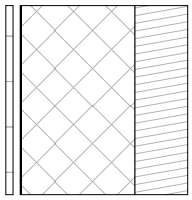
Isolasjon: 300mm
Massivtre: 80mm

U-verdi: 0,100 W/m2K



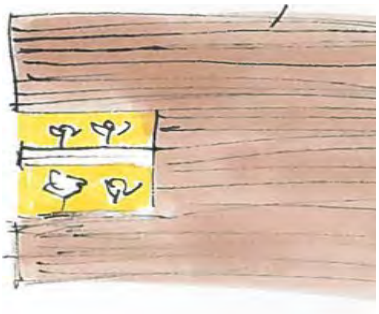
Isolasjon: 300mm
Massivtre: 100mm

U-verdi: 0,097 W/m2K



Isolasjon: 300mm
Massivtre: 140mm

Rom i veggen

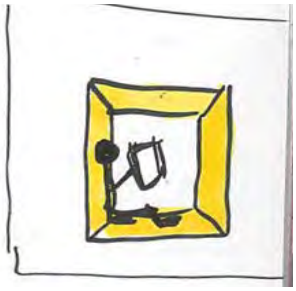


Innhugg i fasaden som kan brukes til å plante urter

Drenering?

Sitteplass med overlys og himmel utsikt?

Alle innhugg gule?

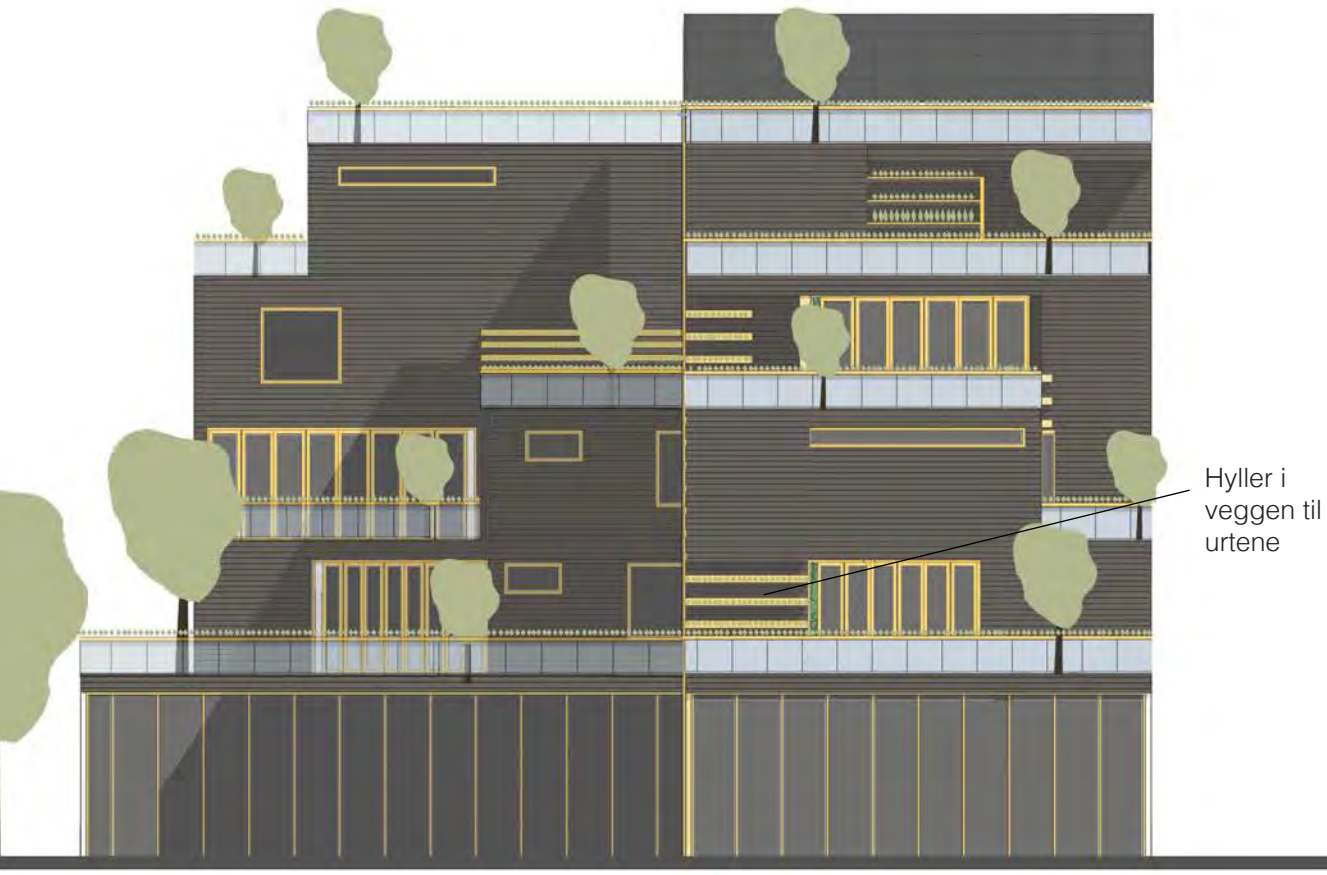


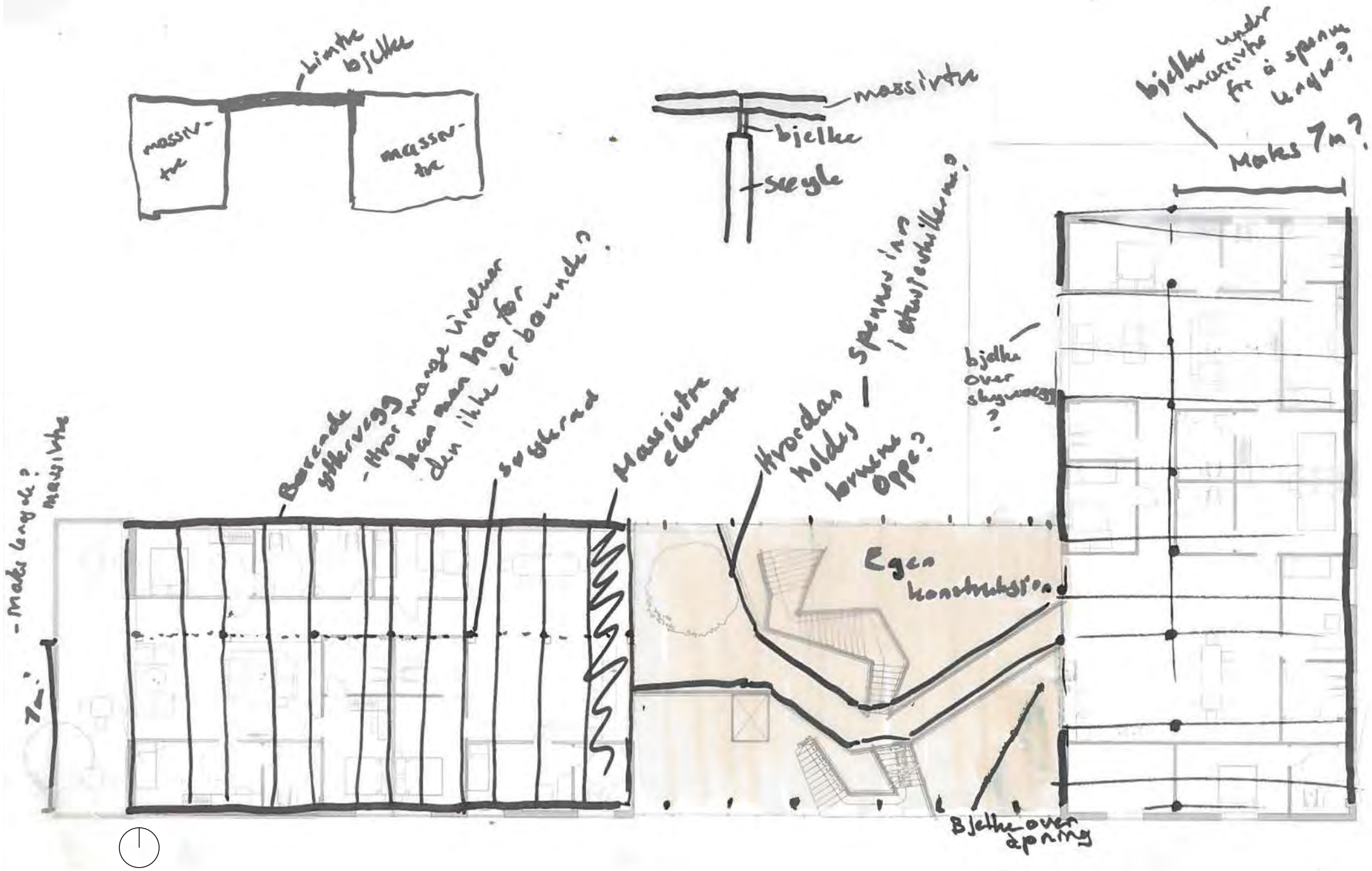
Bruke veggtykkelsen til å lage sitteplass i karmen

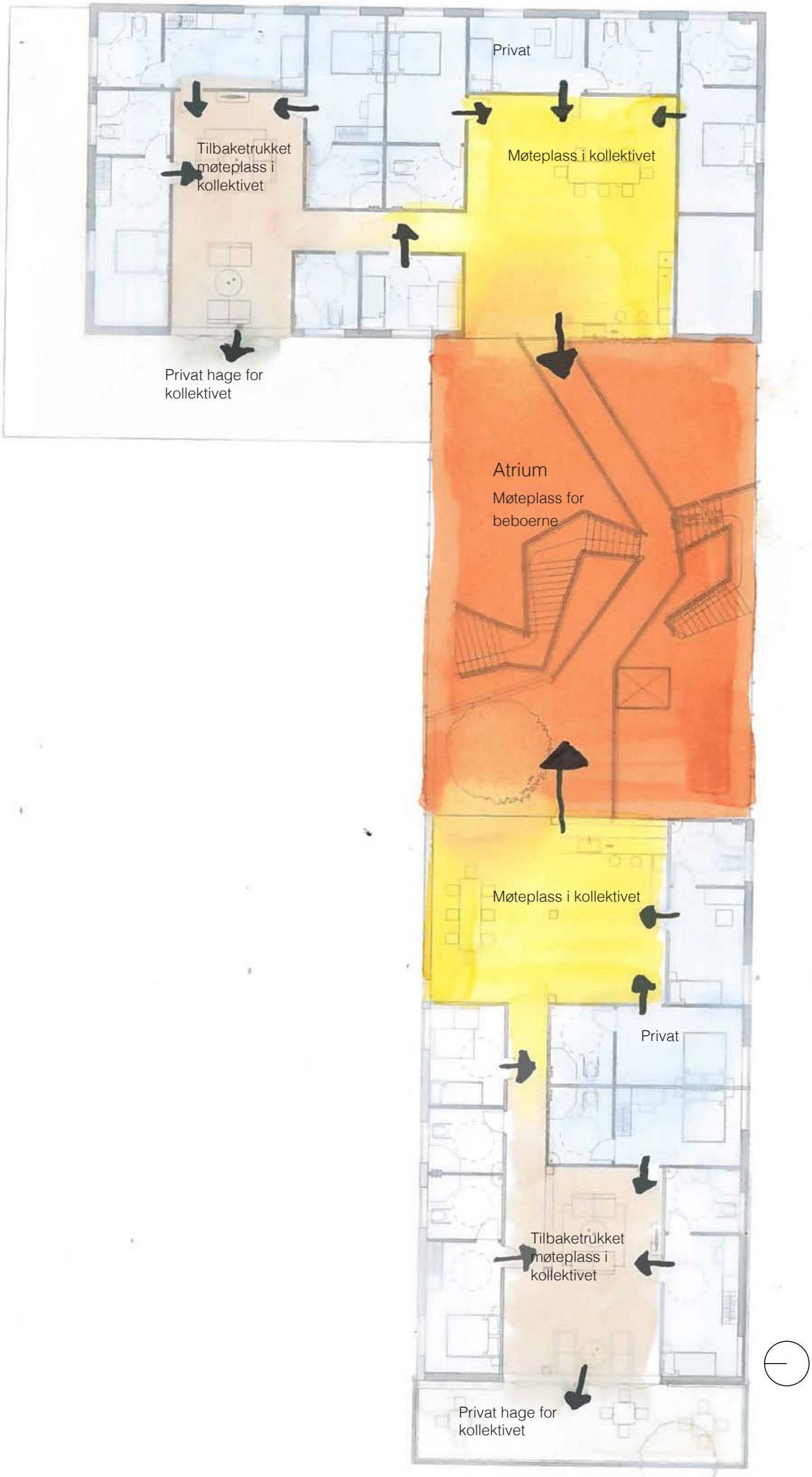
Cafe

Planter i veggene innendørs?

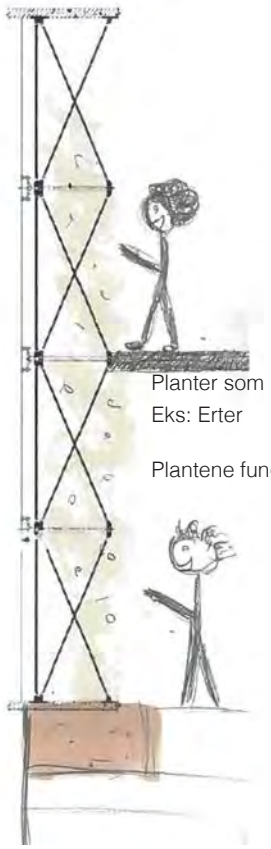
Fasade mot øst 1:200


Hyller i
veggen til
urtene


massiv-
vegg
massiv-
vegg
massivtre
bjelke
stegle
bjelke under massivtre for å spenne lengre?
Maks 7m?
bjelke over stegerom?
spenner inn i etasjeskillerom?
Hvordan holdes lyden oppe?
Egen konstruksjon
Bjelke over åpning
Barrierde gitterrygg - Hvor mange kvelder kan man ha før den ikke er bærende?
svgterrad
Massivtre element
- Maks lengde? massivtre
7m


Privat
Tilbaketrukket møteplass i kollektivet
Møteplass i kollektivet
Privat hage for kollektivet
Atrium
Møteplass for beboerne
Møteplass i kollektivet
Privat
Tilbaketrukket møteplass i kollektivet
Privat hage for kollektivet

Atrium



Dyrking langs gelendrene
Plukke urter på veien

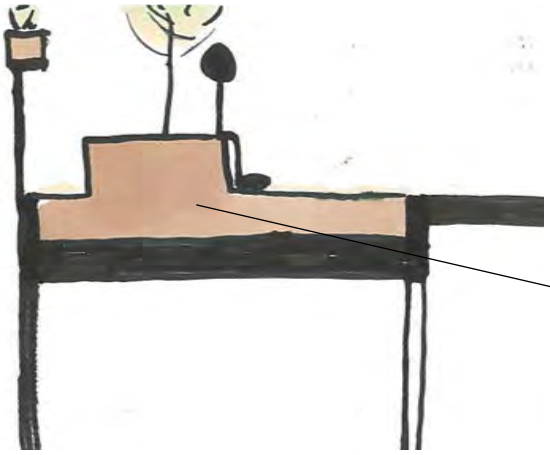
Plukke frukt fra bruene

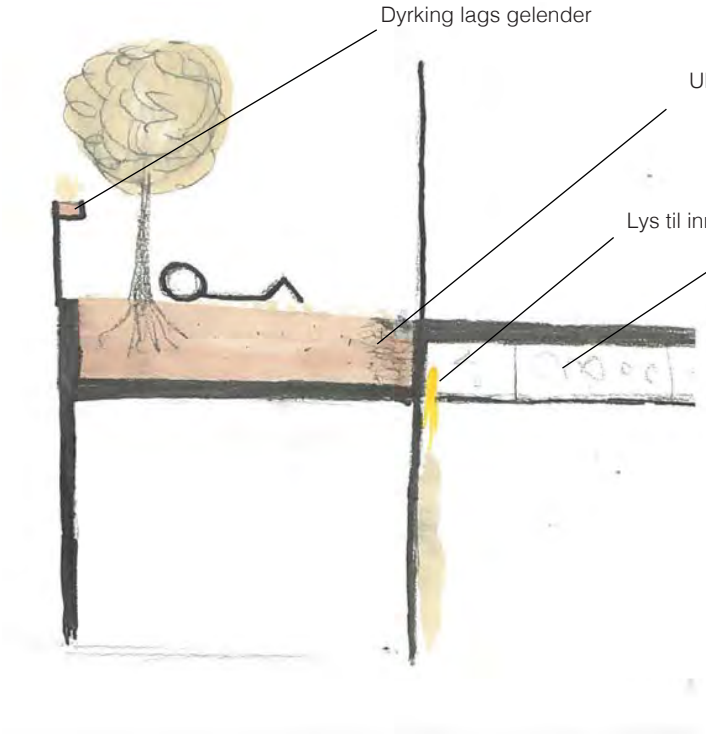
Planter som klatrer i vaierne
Eks: Erter

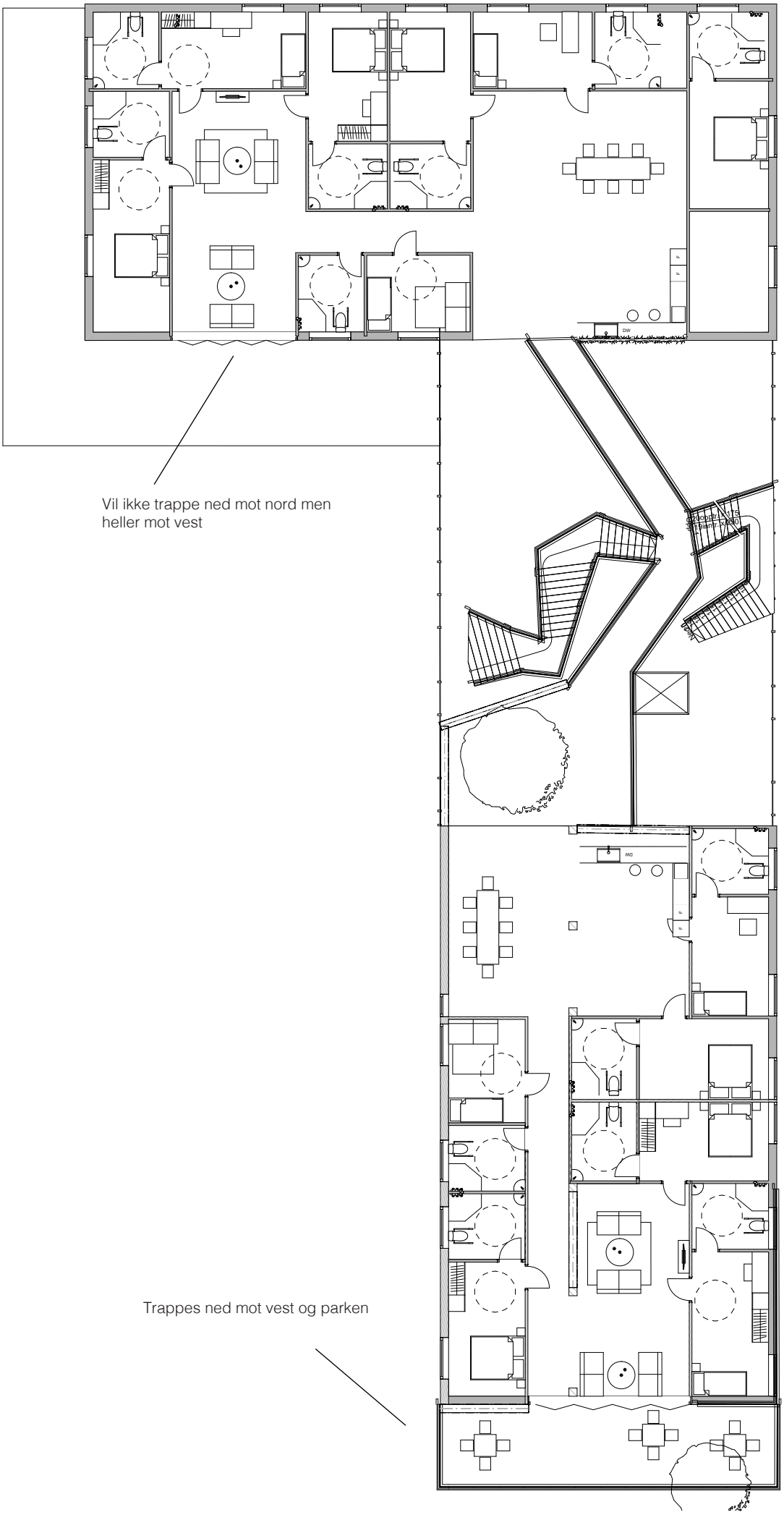
Plantene fungerer som solavskjerming

Sitte blant
grønne planter
selv på vinteren

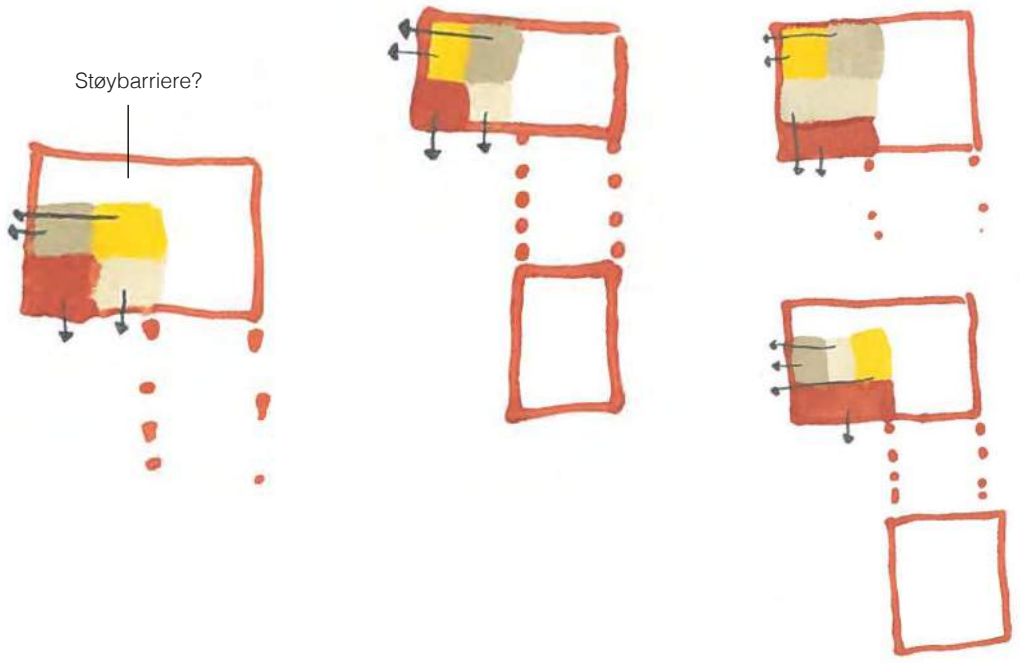
Plantene demper støy


Høyere jordlag bare der det trengs

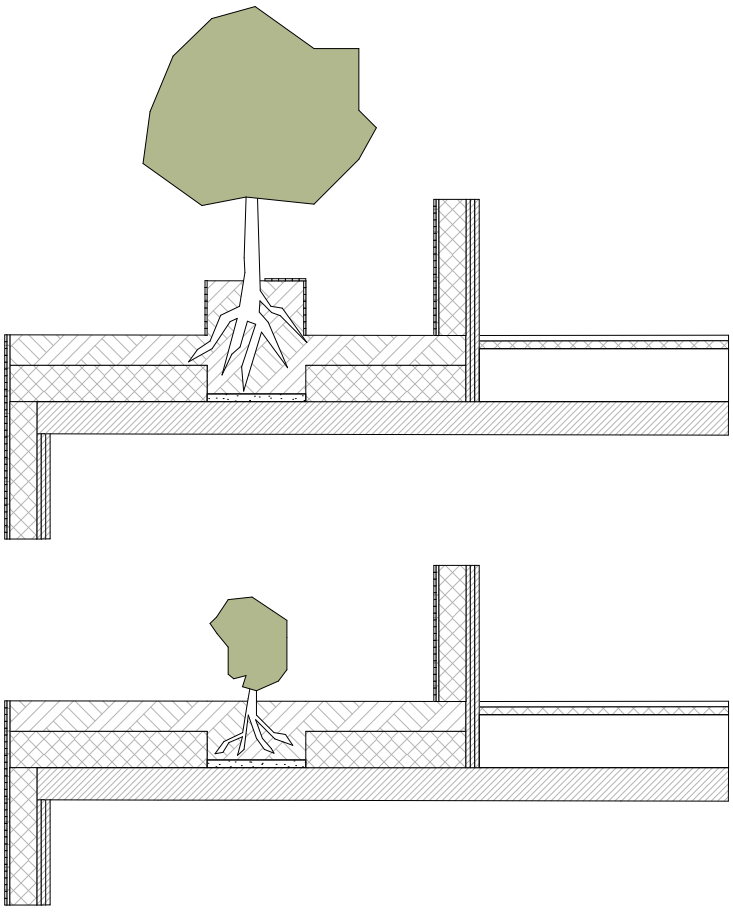

Dyrking lags gelender
Ubrennbart materiale?
Lys til innendørs dyrking
Ventilasjon ++


Vil ikke trappe ned mot nord men
heller mot vest
Trappes ned mot vest og parken
1:200

Hvordan unngå nedtrapping mot nord?



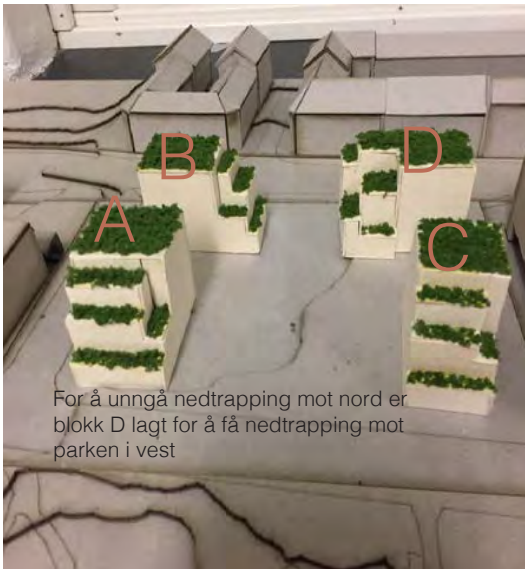
Planter på trassene




A
C
Trapper ned mot sør og vest


A
B
Blokk A kan snus for å gi terrassene utsikt mot parken
Blokk B trappes ned mot sør

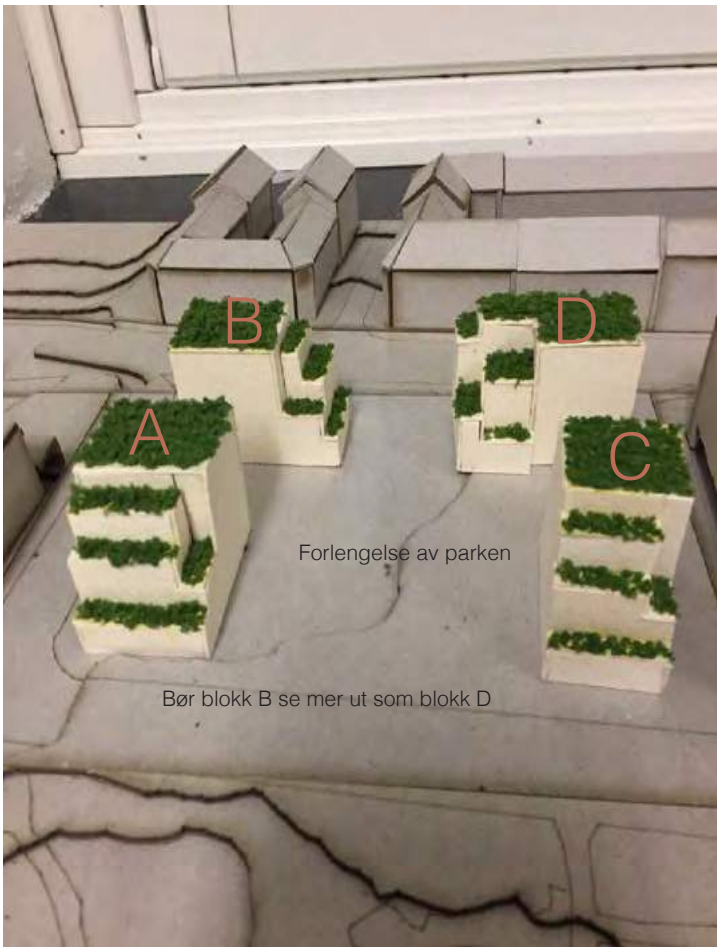

A
B
C
D
Blokk D og C er ikke på linje for å slippe lys til blokk D


A
B
C
D
For å unngå nedtrapping mot nord er blokk D lagt for å få nedtrapping mot parken i vest

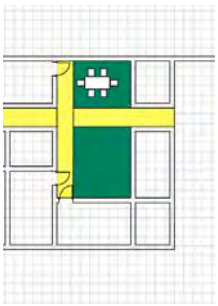

Vridning mot sol og utsikt

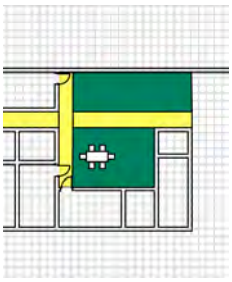

Uheldig med nedtrapping mot nord


Innsyn til hverandres terrasser. Uheldig?

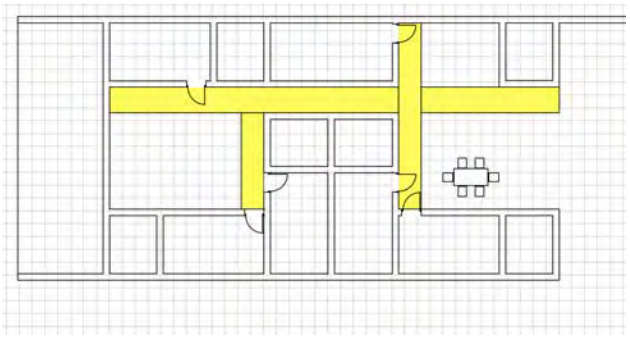

B
D
A
C
Forlengelse av parken
Bør blokk B se mer ut som blokk D

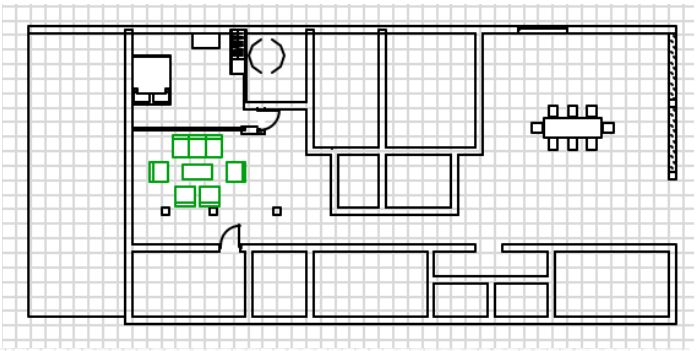

Knyttet
sammen med
atrium

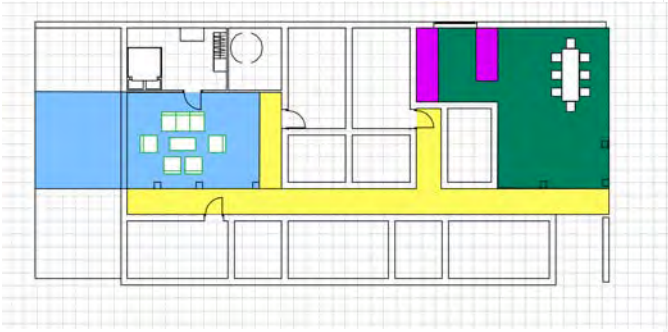


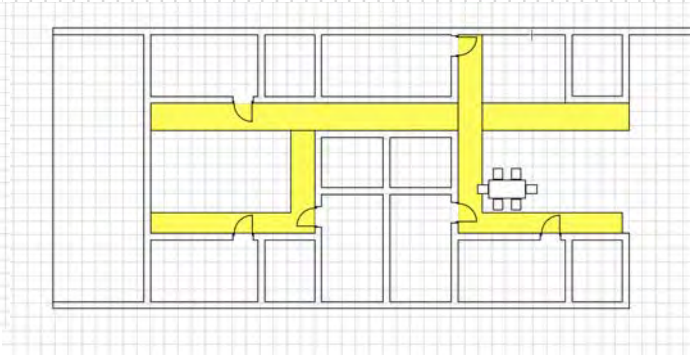


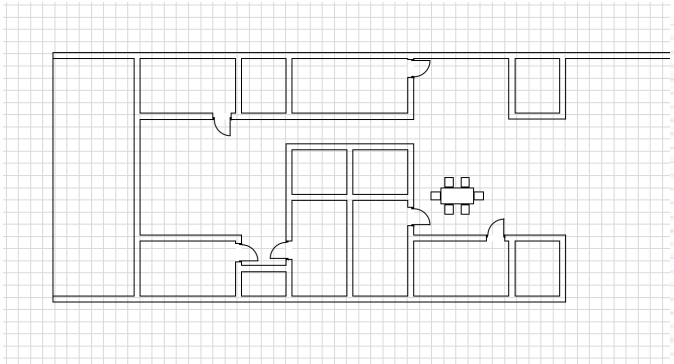
Ganglinje, overgang offentlig/privat

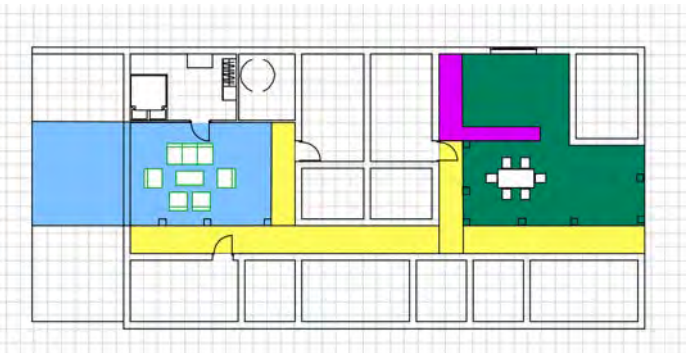


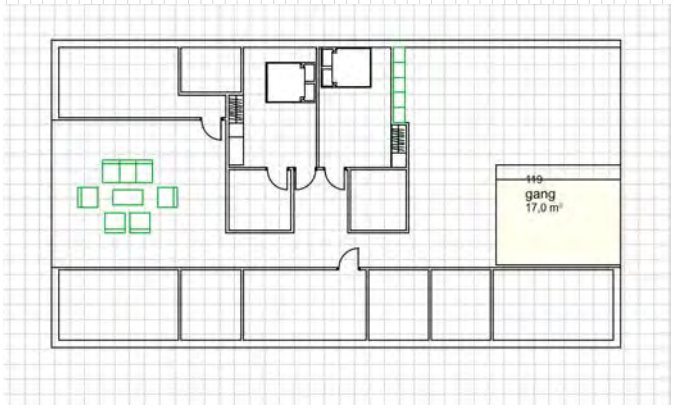


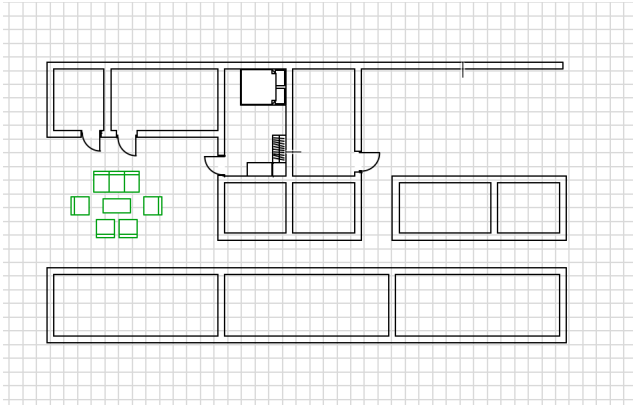


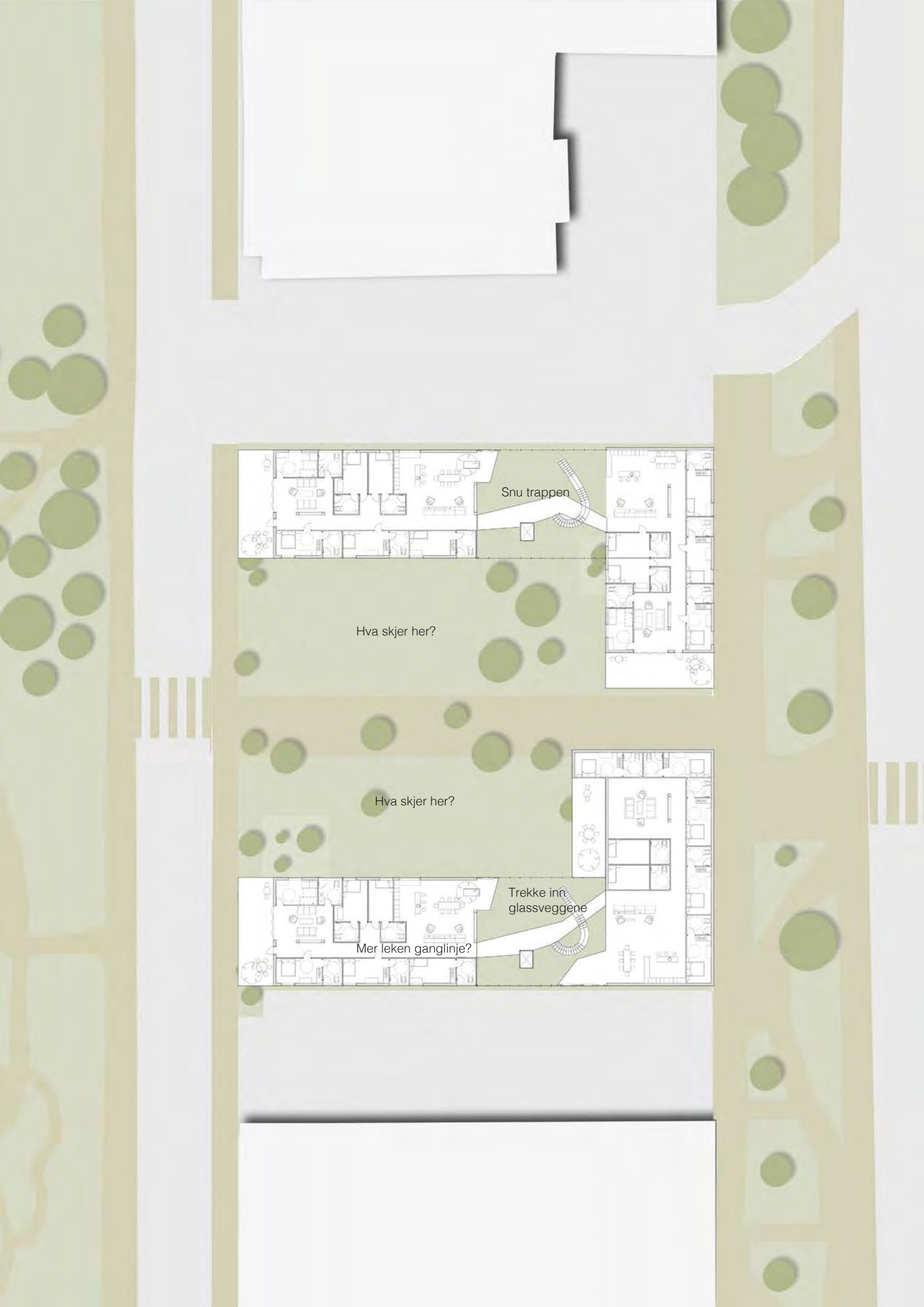


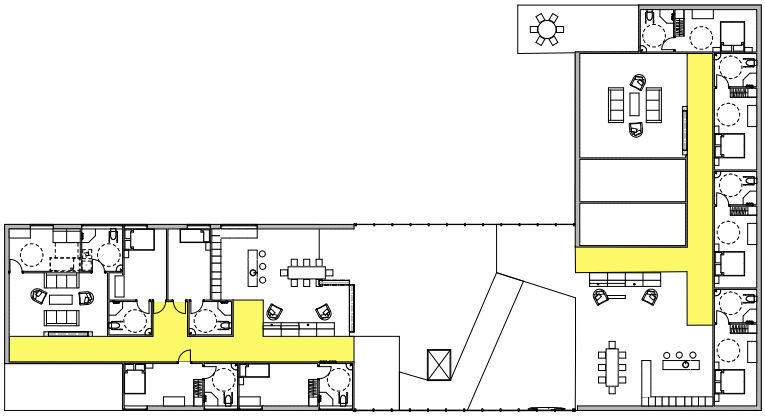




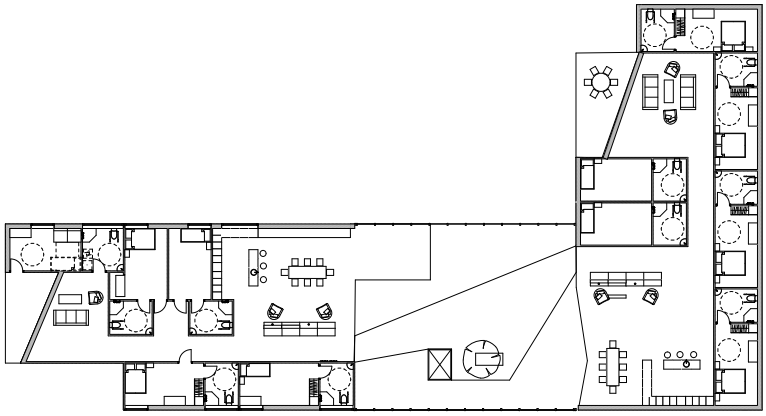




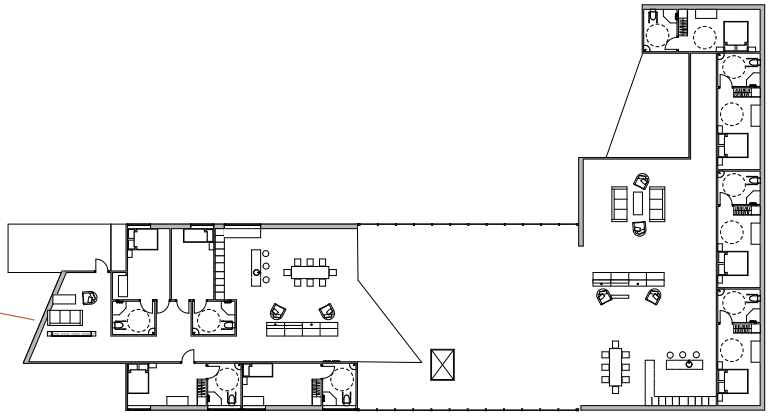

Snu trappen
Hva skjer her?
Hva skjer her?
Trekke inn glassveggene
Mer leken ganglinje?



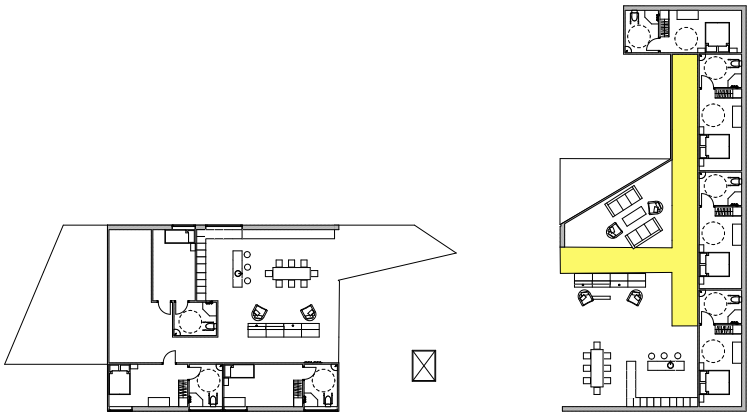
3 etasje



4 etasje



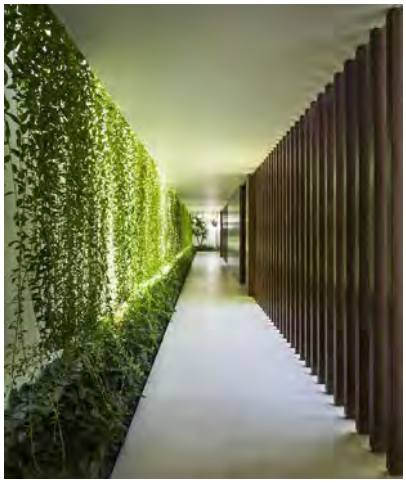
5 etasje



6 etasje

Hydroponics, Aquaponics eller Jord?

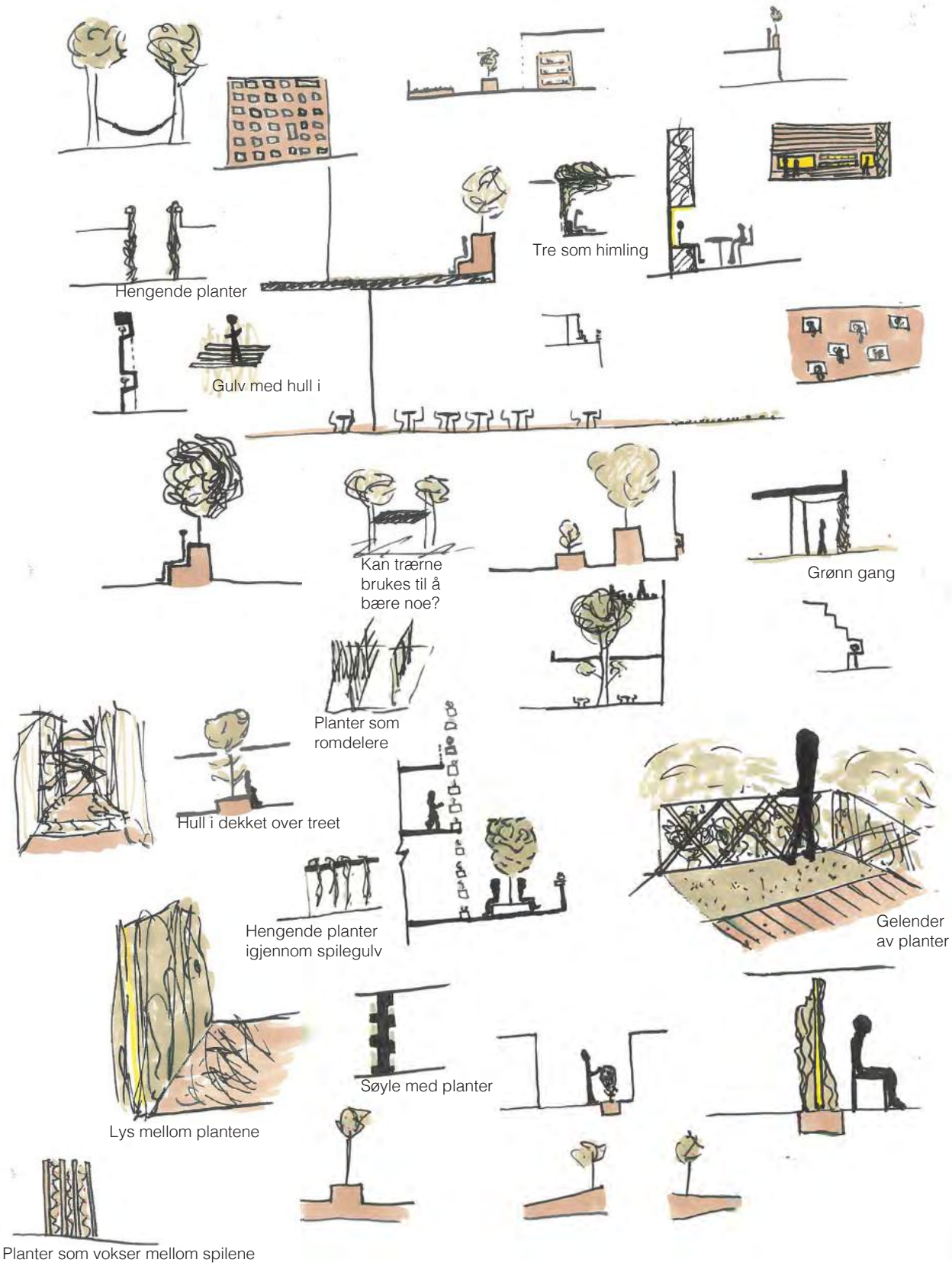
Integrere plantene i bygget

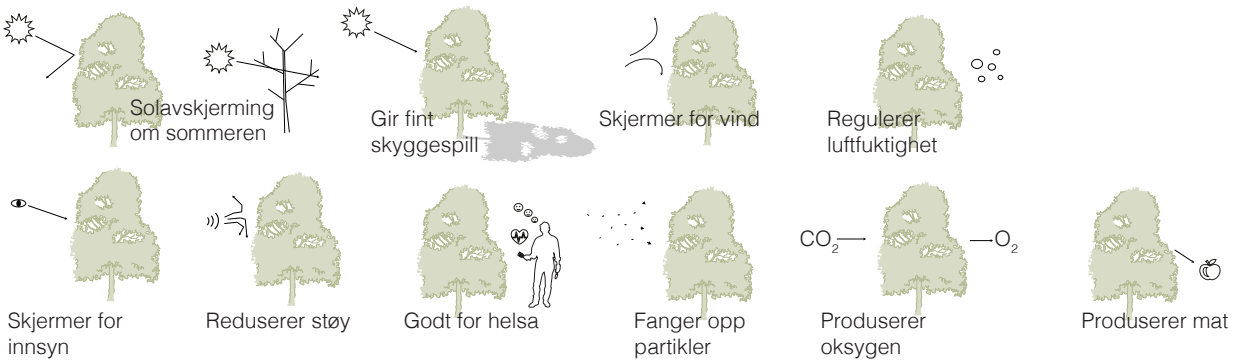


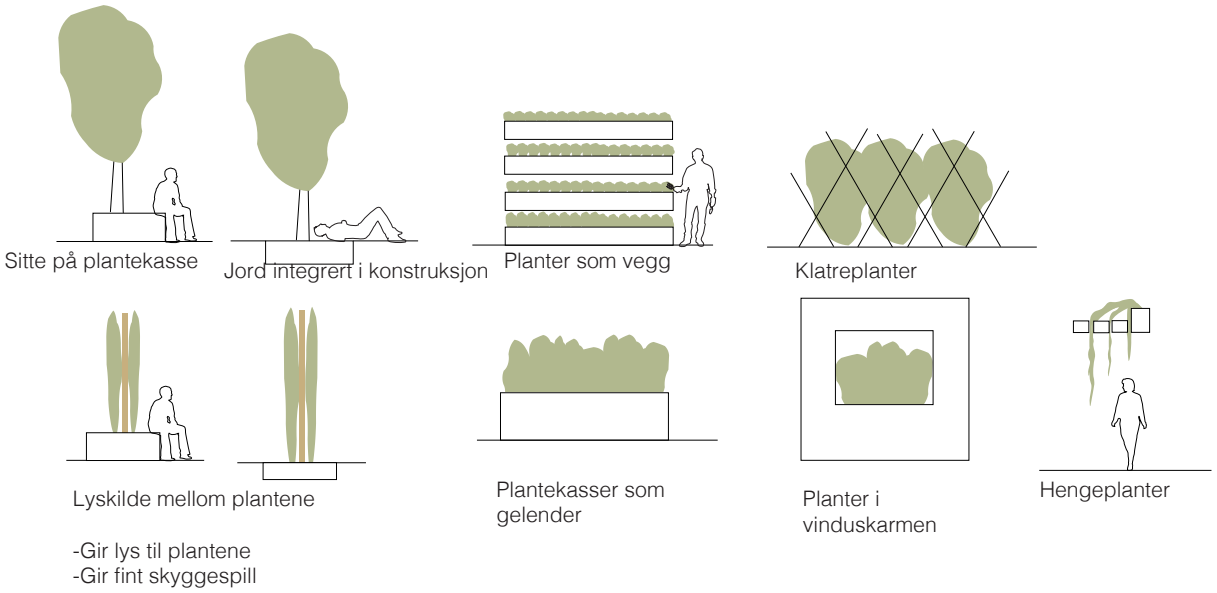
Åpenhet mellom ute og inne

Vertikal skog

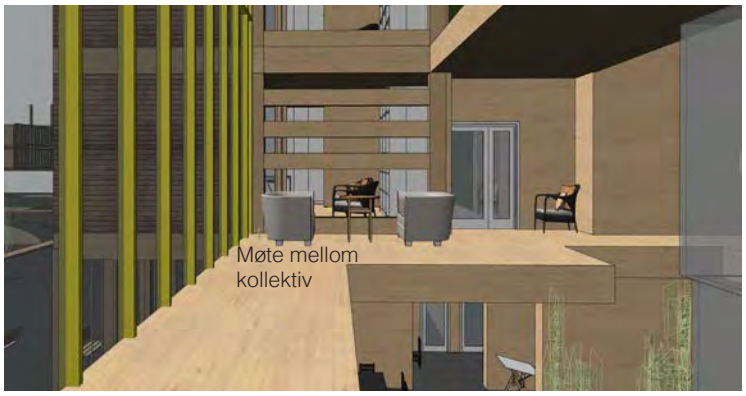
Natur som arkitektur




Solavskjerming om sommeren
Gir fint skyggespill
Skjermer for vind
Regulerer luftfuktighet
Skjermer for innsyn
Reduserer støy
Godt for helsa
Fanger opp partikler
CO_2
O_2
Produserer oksygen
Produserer mat

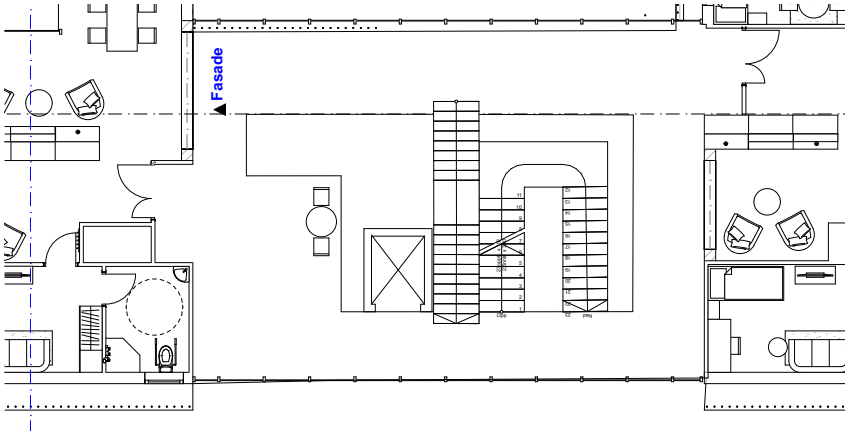

Sitte på plantekasse
Jord integrert i konstruksjon
Planter som vegg
Klatreplanter
Lyskilde mellom plantene
-Gir lys til plantene
-Gir fint skyggespill
Plantekasser som gelender
Planter i vinduskarmen
Hengeplanter

Atriet

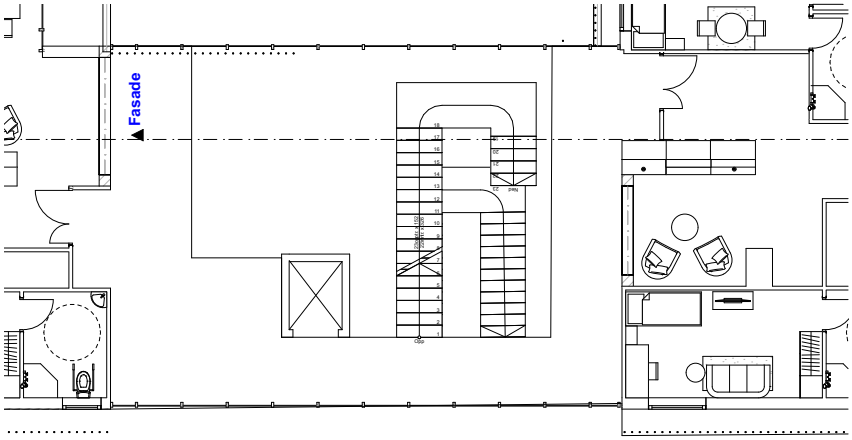


Organisk?

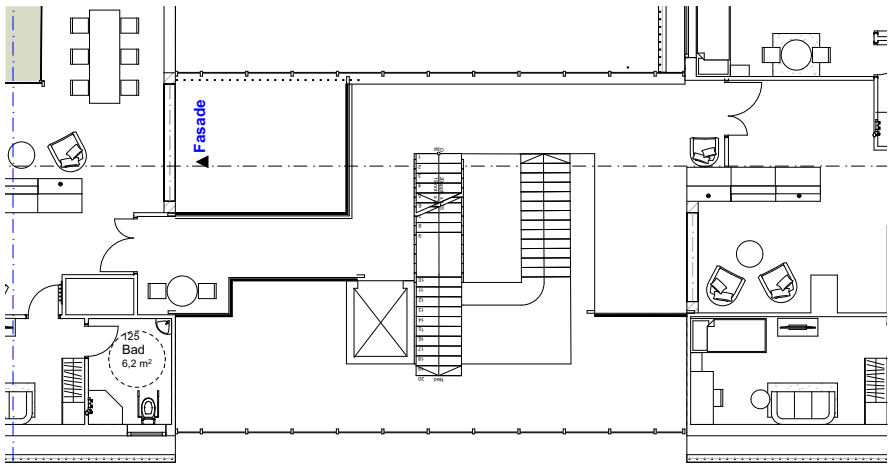
Ikke de mest
praktiske trappene
for eldre



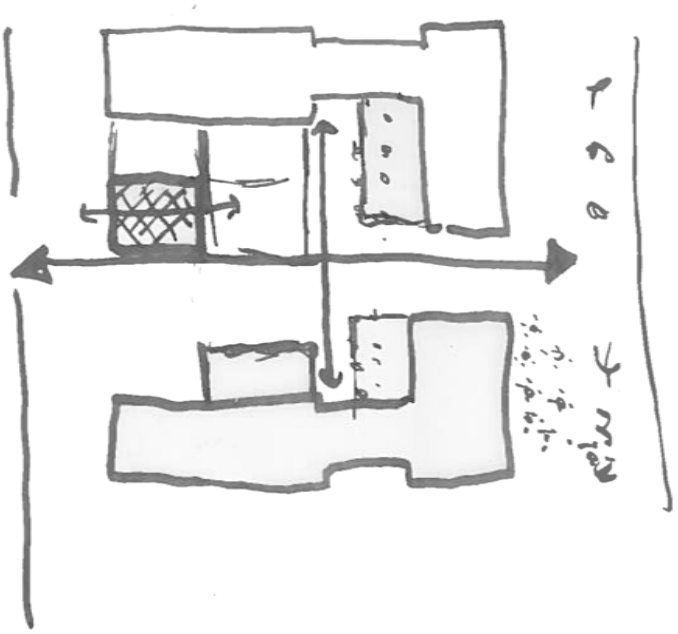
Ulike typer bruer i de ulike etasjene for å skape en variasjon av opplevelser og samtidig gi hver etasje en egen identitet.

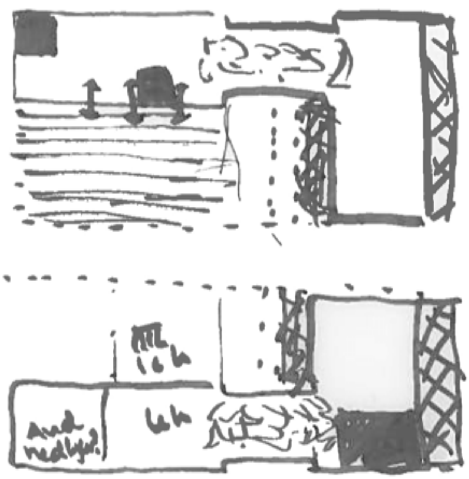


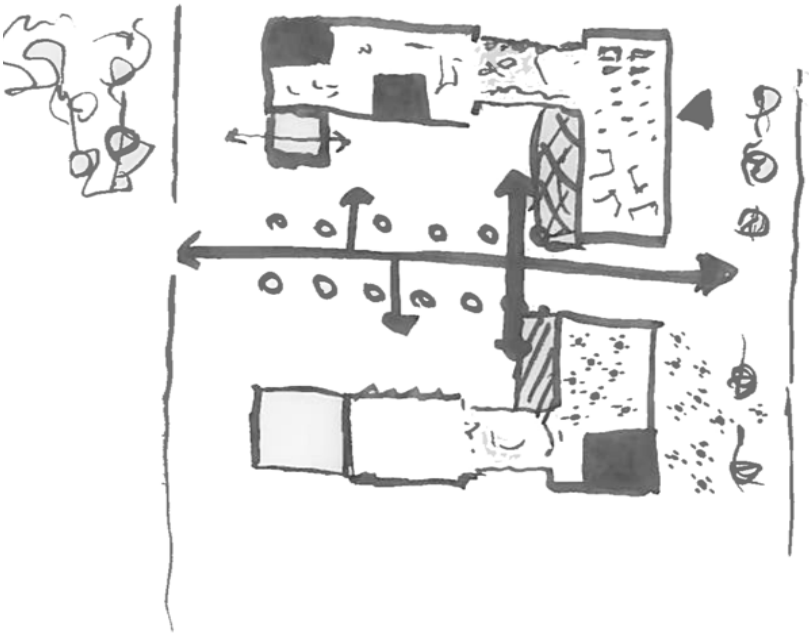
Å gå i trappene bør gi beboerne en god opplevelse for å sørge for at de som er friske og raske velger trappene fremfor heisen. Samtidig bør heisen være et verdig og godt alternativ for de som ikke har mulighet til å gå i trappene.



1:1000

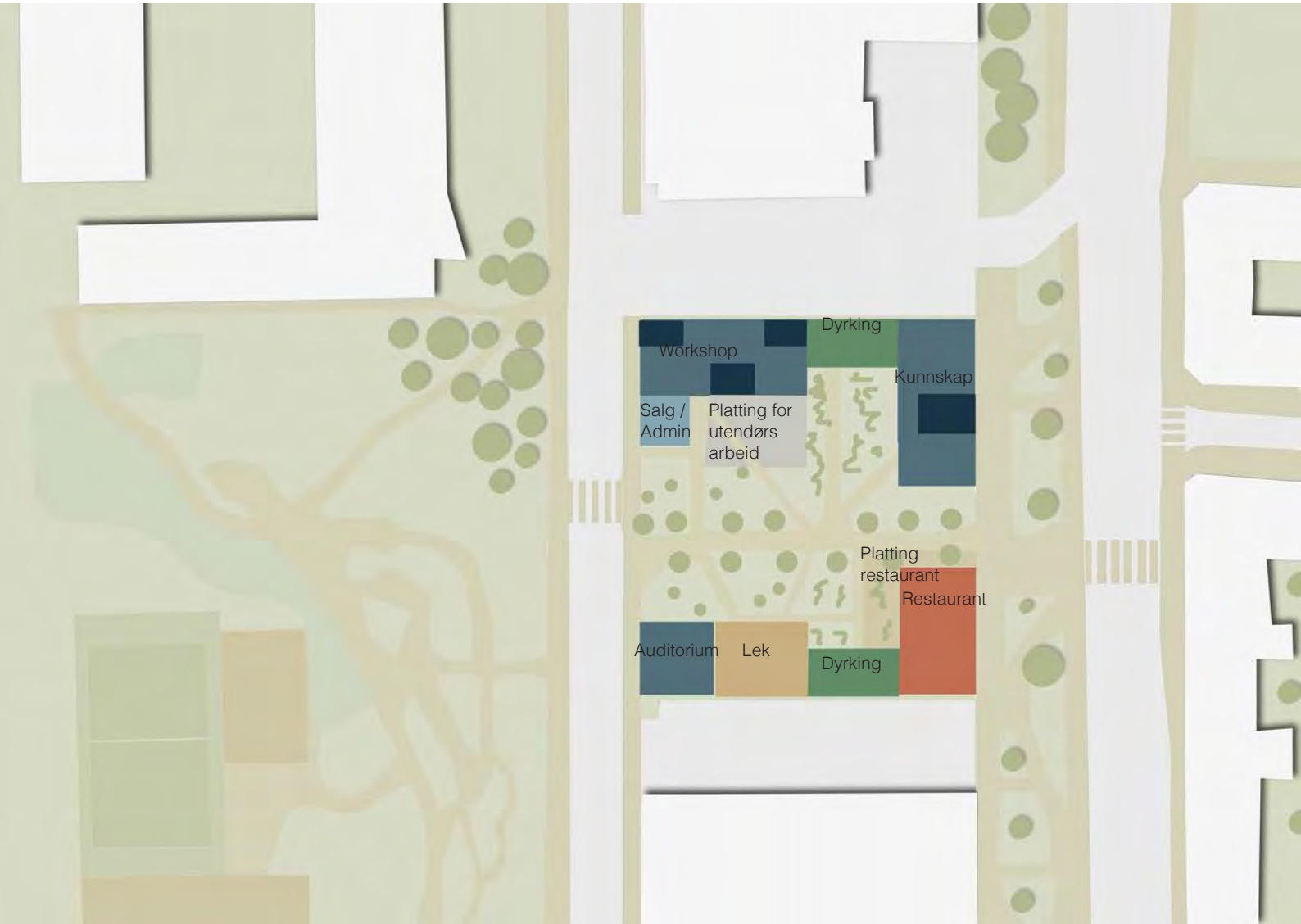




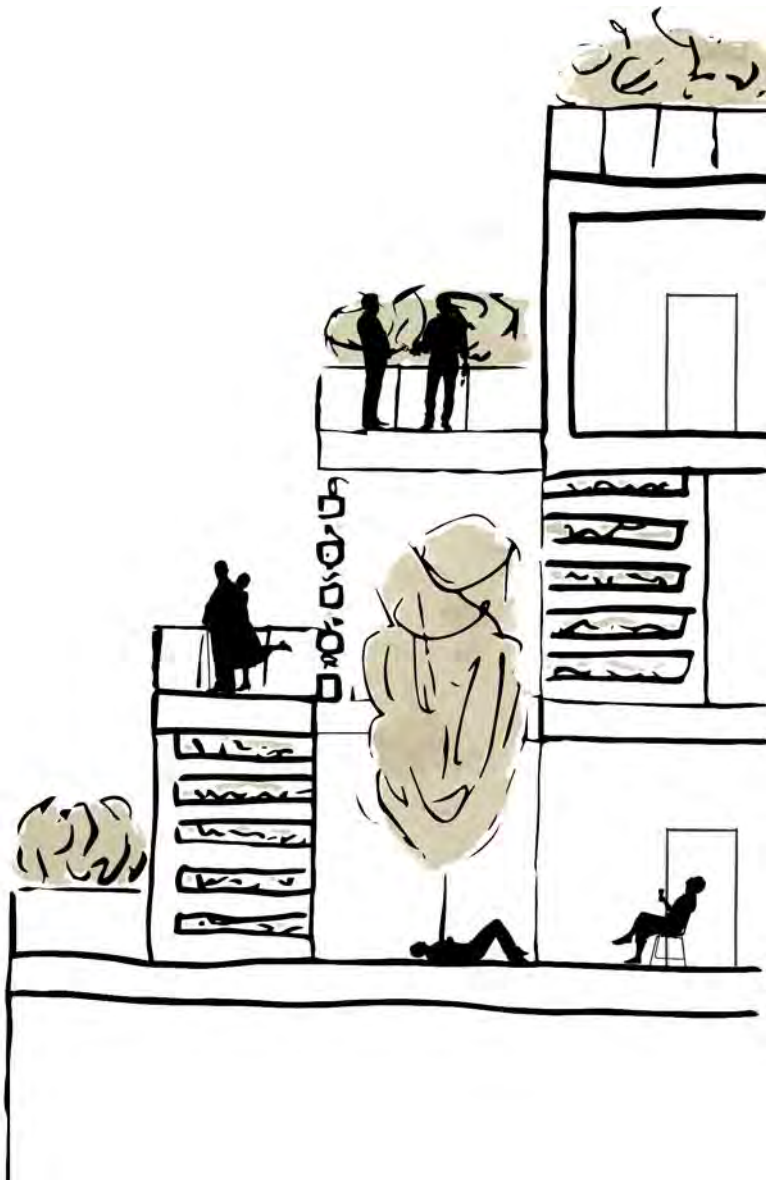



Workshop
Dyrking
Kunnskap
Restaurant
Auditorium
Lek
Dyrking


Dyrking
Workshop
Kunnskap
Salg /
Admin
Restaurant
Auditorium
Lek
Dyrking


Dyrking
Workshop
Kunnskap
Salg /
Admin
Platting for
utendørs
arbeid
Platting
restaurant
Restaurant
Auditorium
Lek
Dyrking

1:100



Massivtre

Norsk massivtres materialprøver:

Ask sort

Ask natur

Rød eik

Furu

Gran

Osp

Lys med et rent utrykk

Norsk massivtre eksempler på typiske tak og vegg snitt :

Takelement (95mm)
Dampbrems
Trefiberisolasjon (240mm)
Membran
(utlekting for panel)
u-verdi: 0,13

Veggelement (88mm)
Dampbrems
Trefiberisolasjon (180mm)
(utlekting for panel)
u-verdi: 0,17

Skyggepanel

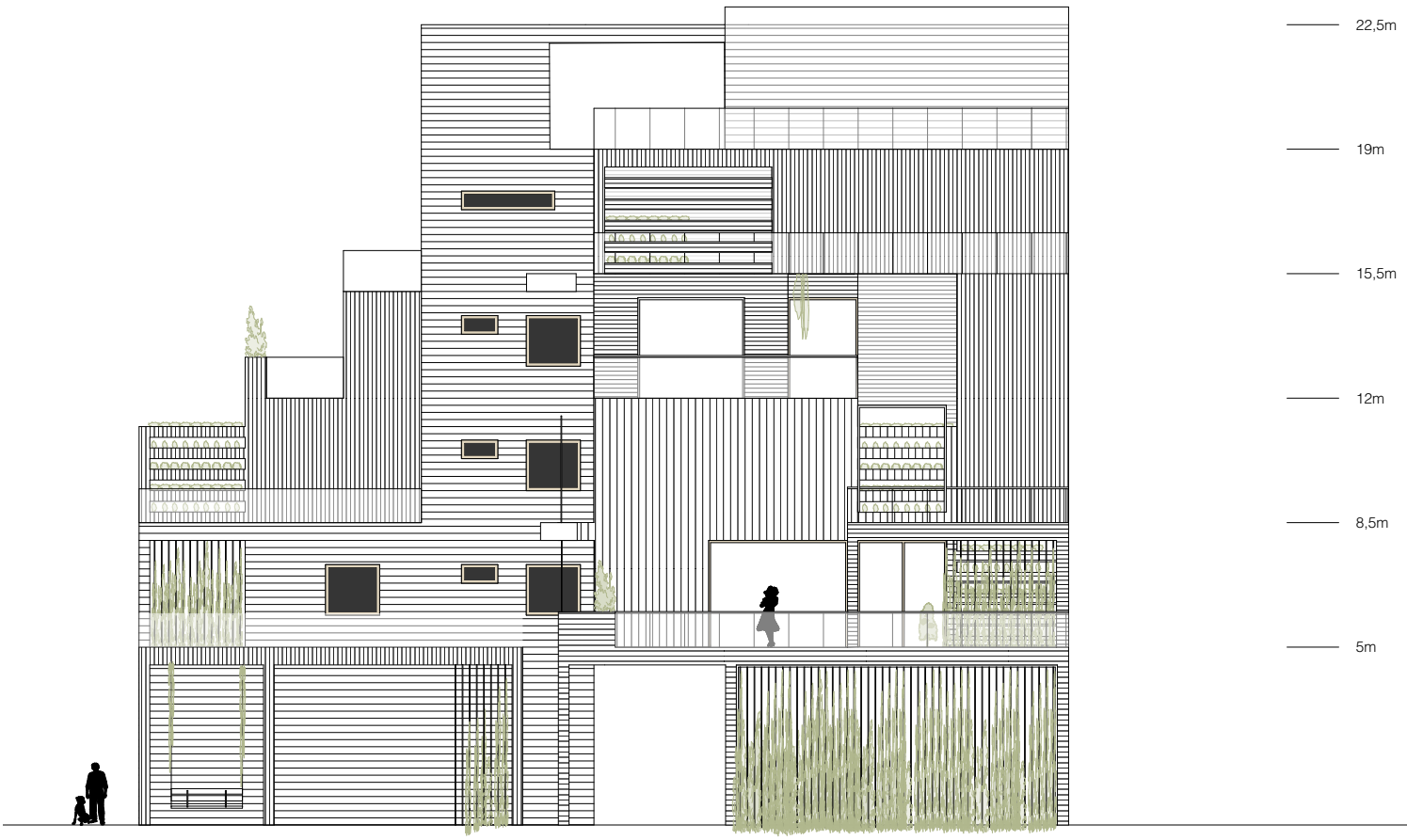
Weatherboard

Glatt panel

Renest utrykk

Kantstilte elementer(bordstabelelement) tåler lengre spenn og egner seg derfor godt som etasjeskille

Variasjon i fasaden



Forskjellig retning og tykkelse på kledningen

Kledning

Tekstur som synes? Naturlig utrykk

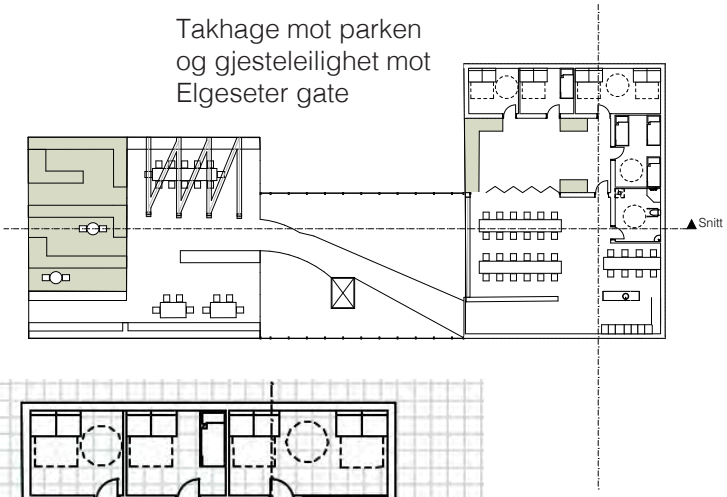
Mørk fasade og lyst interiør og karmer? Dystert?

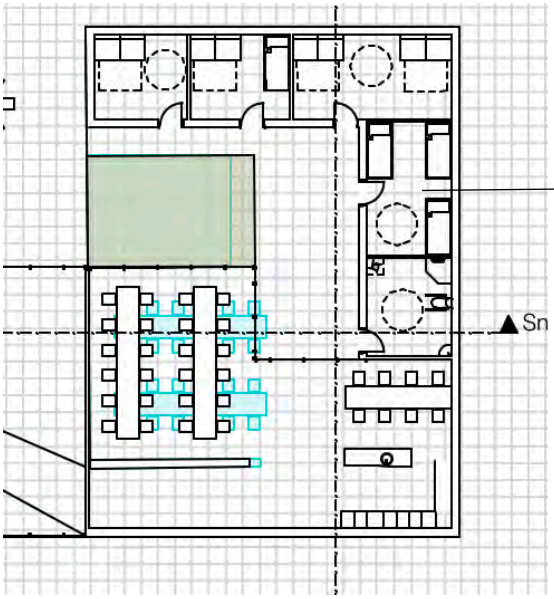
Natur i fasaden

Da jeg ønsker en nærhet til naturen har jeg kommet frem til at jeg ønsker en kledning hvor man ser teksturen til treet.

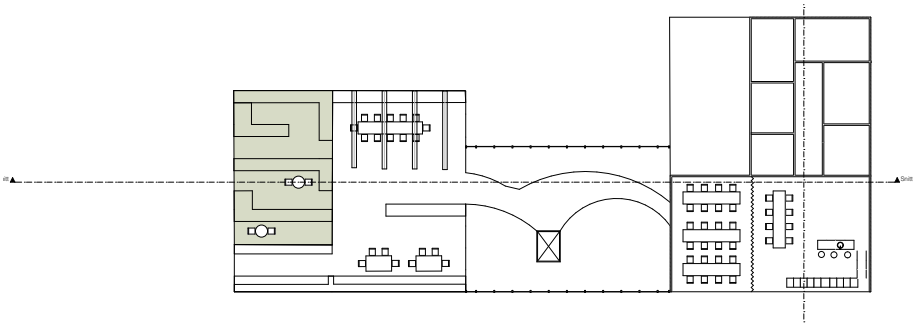
Takterrasse

Takhage mot parken
og gjesteleilighet mot
Elgeseter gate



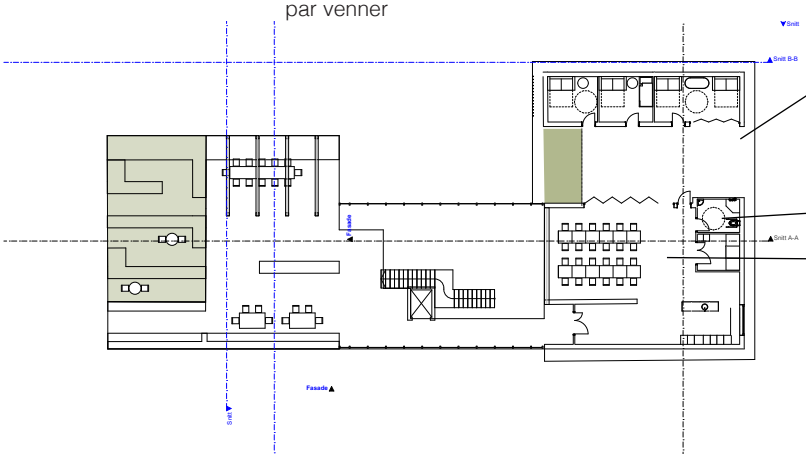


Ikke så brukbare når det
ikke er gjester her



Overnattingsgjester kan sove her. Ellers
er det et sted man kan slappe av med et
par venner

Mulighet for flerbruk



Vinke til 17 mai tog som
kanskje i fremtiden går i
Elgeseter gate

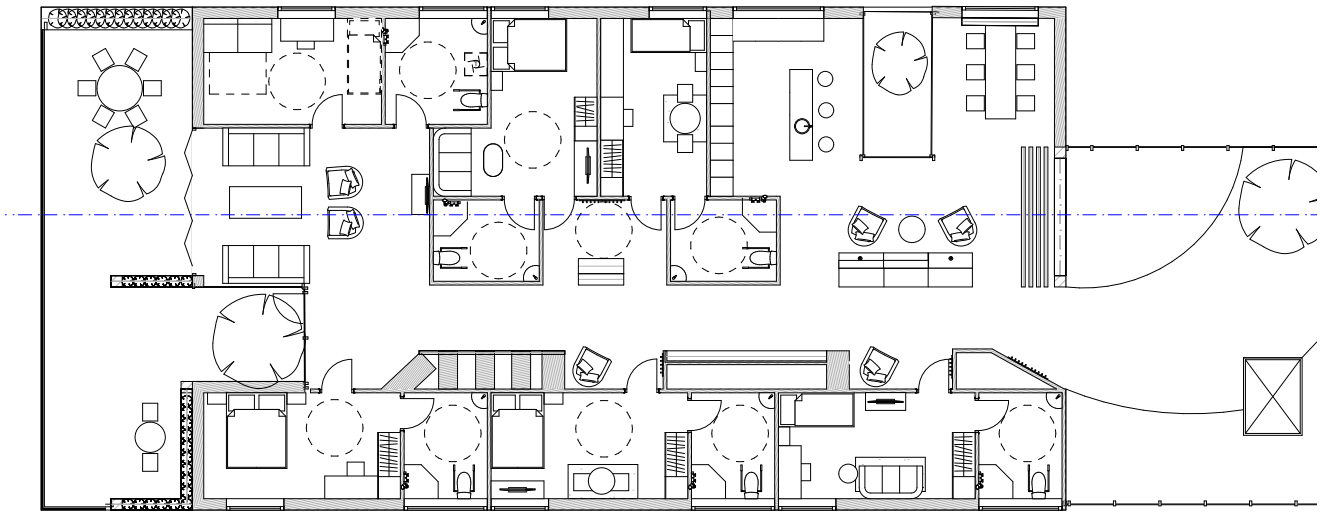
Dra møblene ut å spise
under tak

Lagre bord og stoler

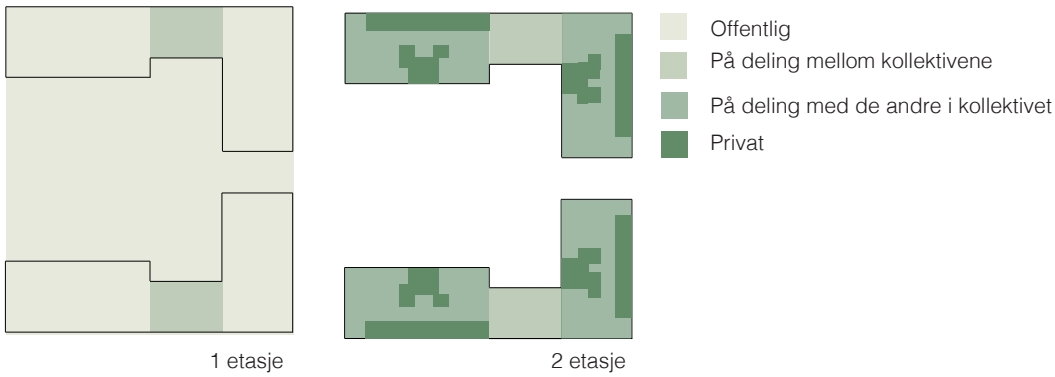
Beboerne kan drikke kaffe
sammen her

70 årsdagen kan for
eksempel eires her

Plan 2 etasje 1:200

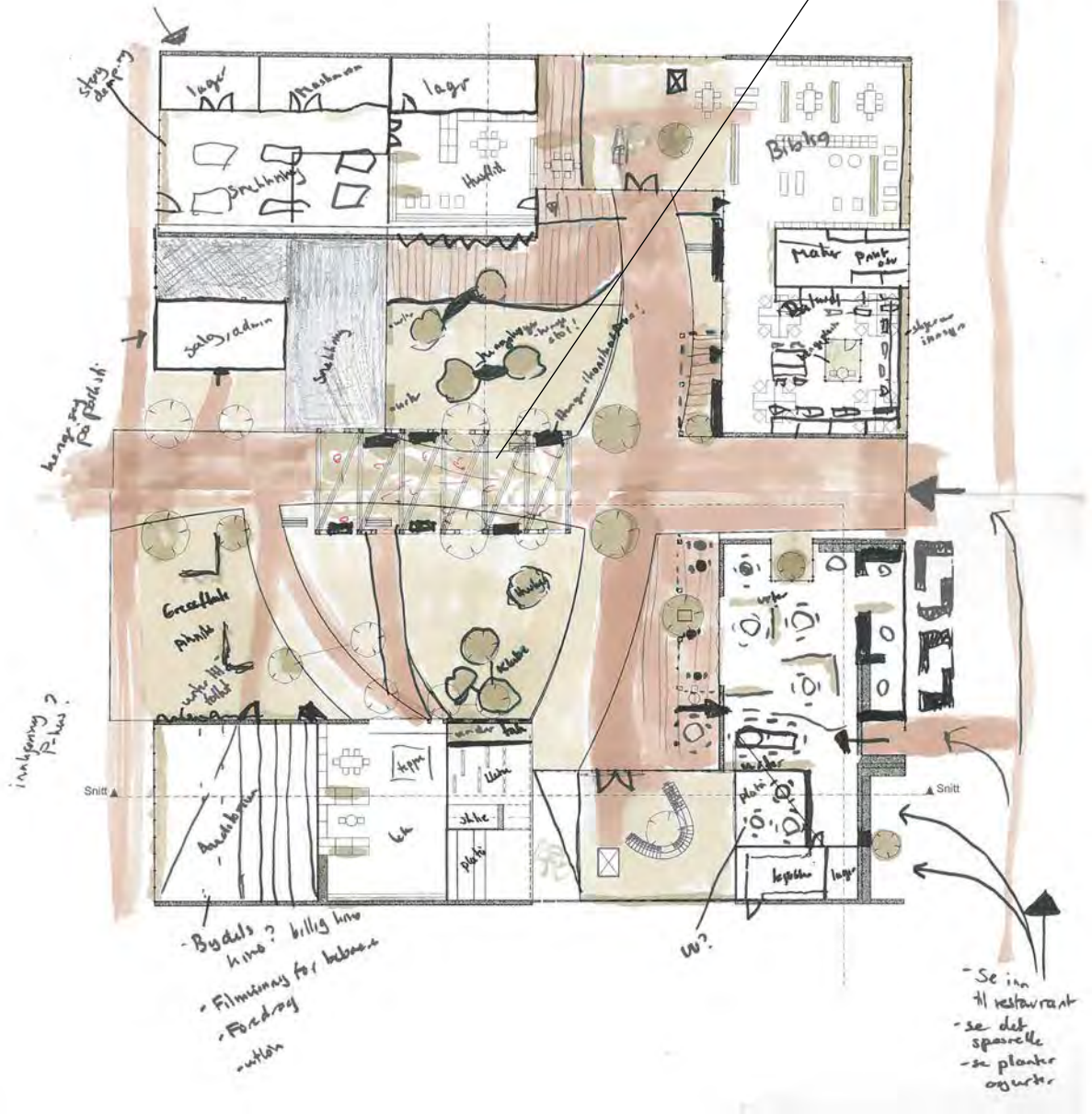


Offentlig/Privat

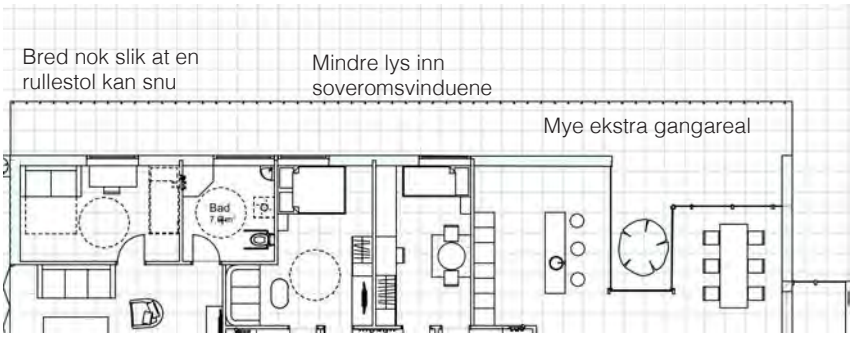


Utomhusplan 1:500

Benker som henger
fra arkaden



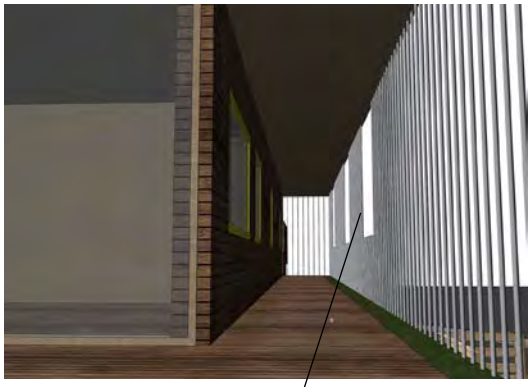
Dobbel fasade?



Klatreplanter som klatrer i spiler?

Dyrke langs hele fasaden

Dyrke langs hele fasaden
For å kun høste plantene må det være en gang mellom fasadene.

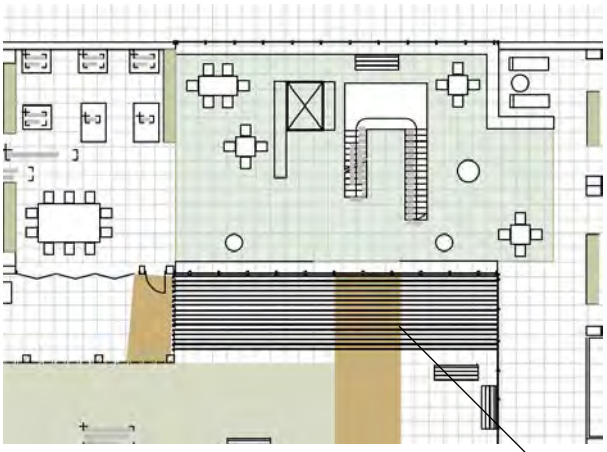


Åpne opp ved soveromsvinduene

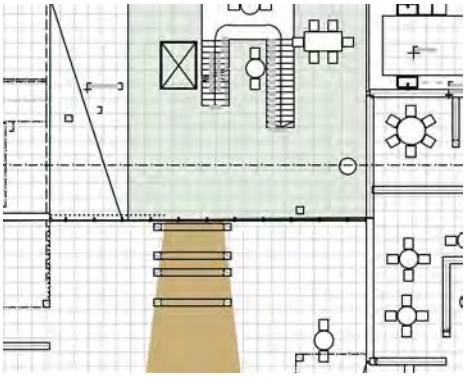
Assosiasjon til fengsel. Åpne opp foran vinduene

Dropper gule karmer og går heller for et mer naturlig utrykk

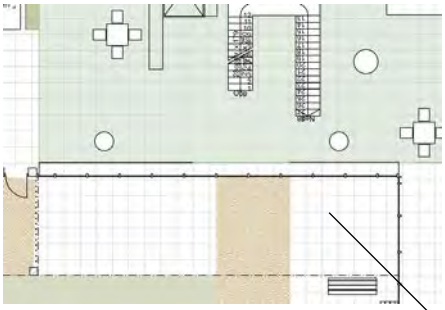
Inngangsparti



Overdekket inngang med spiler og hengeplanter som henger ned mellom spilene

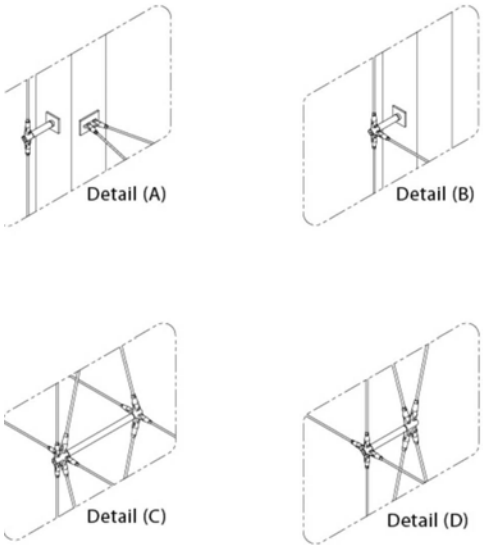


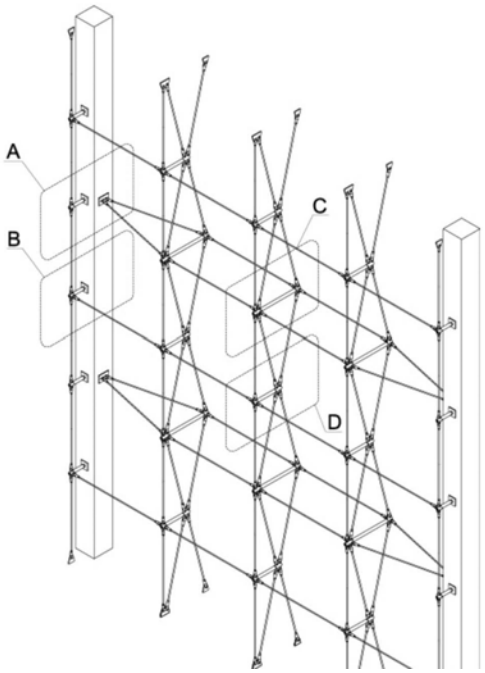
Markere inngangen med en liten arkade men klatreplanter på



Dekke over inngang. Kan brukes som terrasse fra atrium

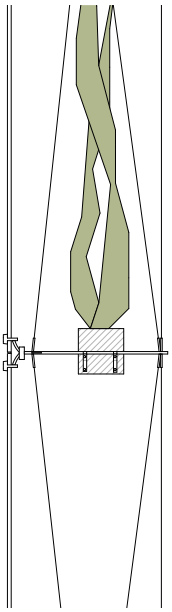
Bæring av glassfasade i atriet





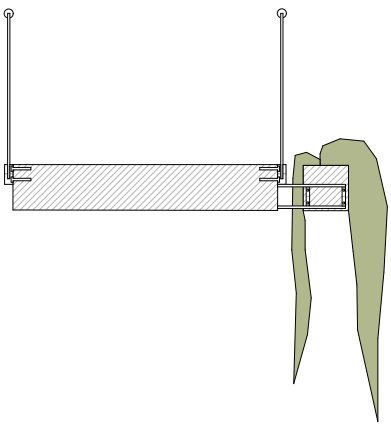
Rod system med spider fitting

Plantene kan klatre i vaierne



Plantekasser integrert i fasaden

Plantekasser integrert i bruene i atriet

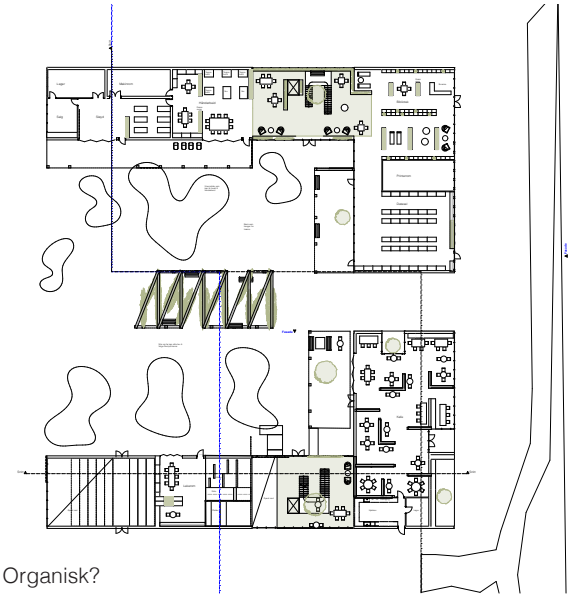


Rendering som prioriteringsverktøy

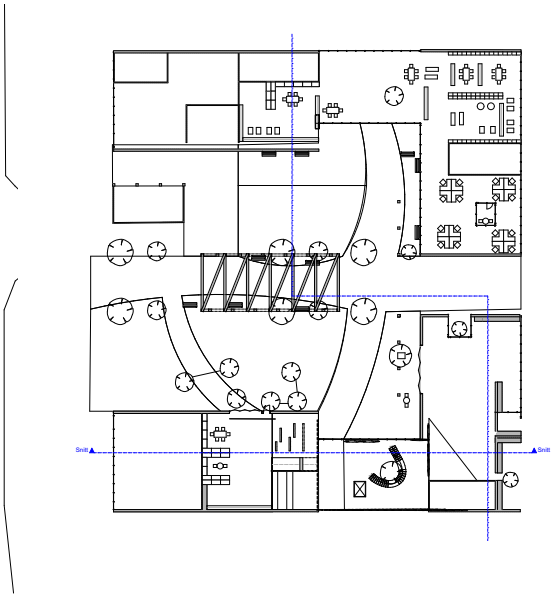
Mer glidene overgang mellom ute og inne

Fjerne plantene foran vinduet for å få mer lysinnslipp og utsyn

Uteområdet

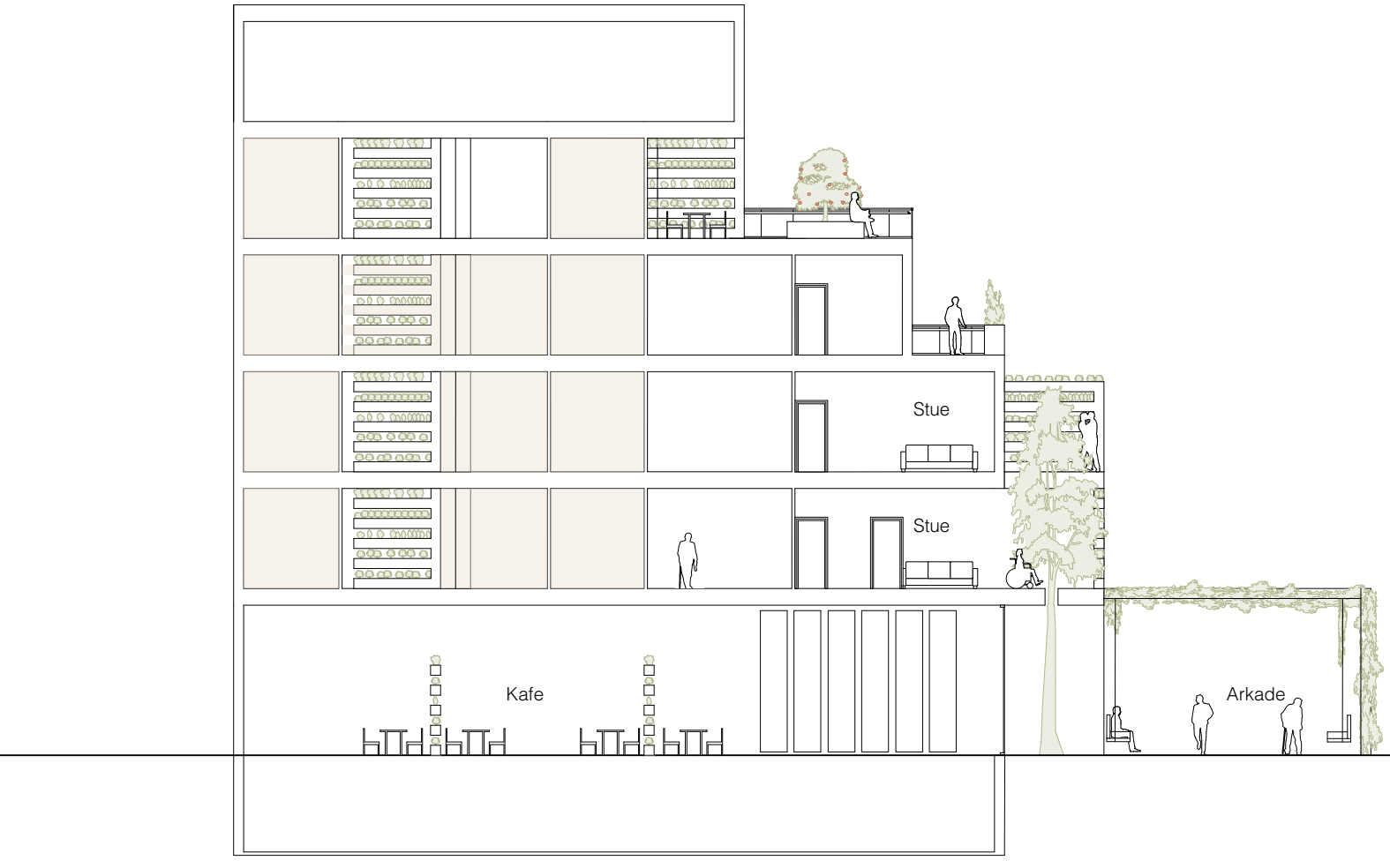


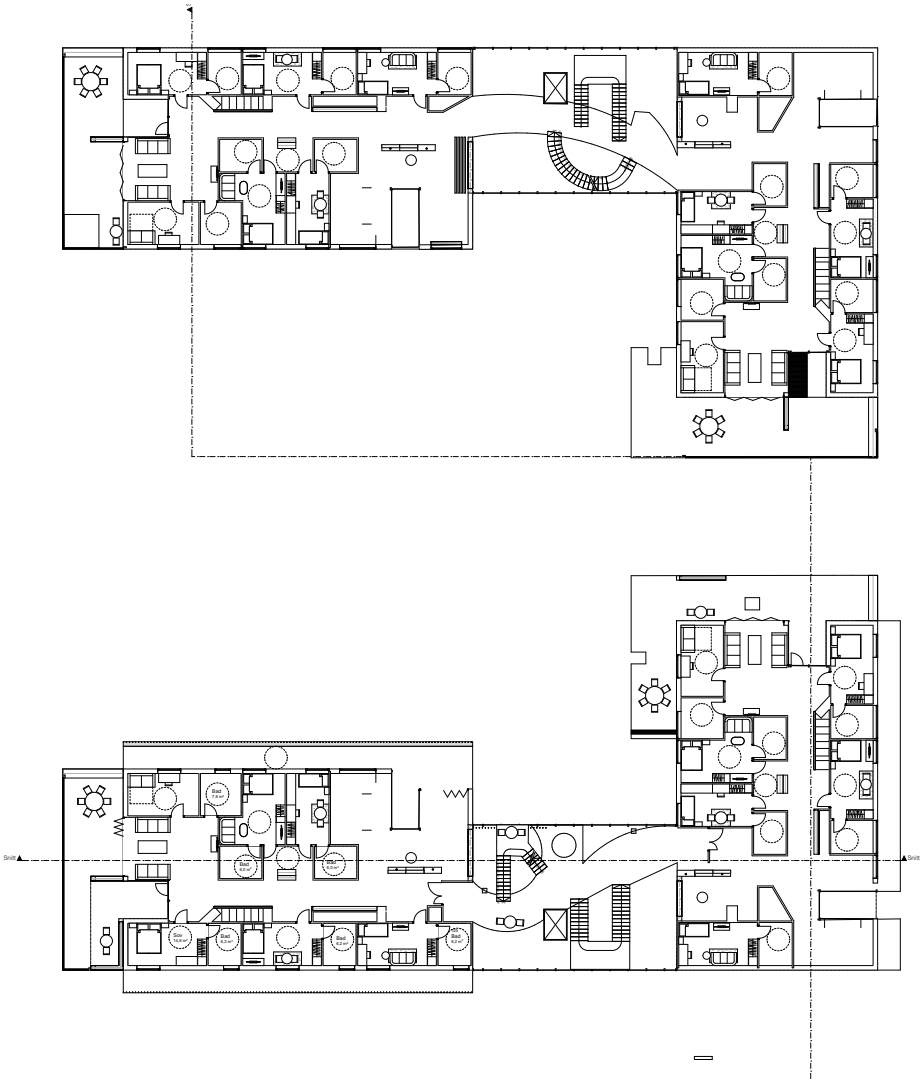
Organisk?

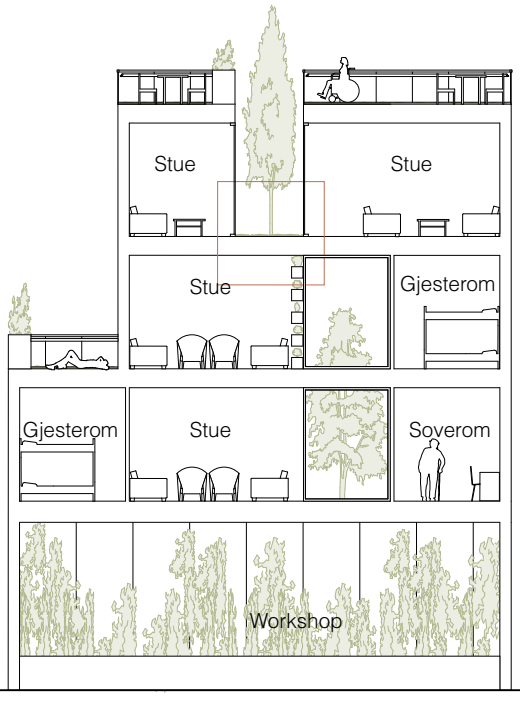


Mer sol på den nordlige halvdelen av ”hagen”. Derfor er det passende med aktivitet og lek på den mer skyggelagte delen og flere plasser å sitte på den nordlige halvdelen

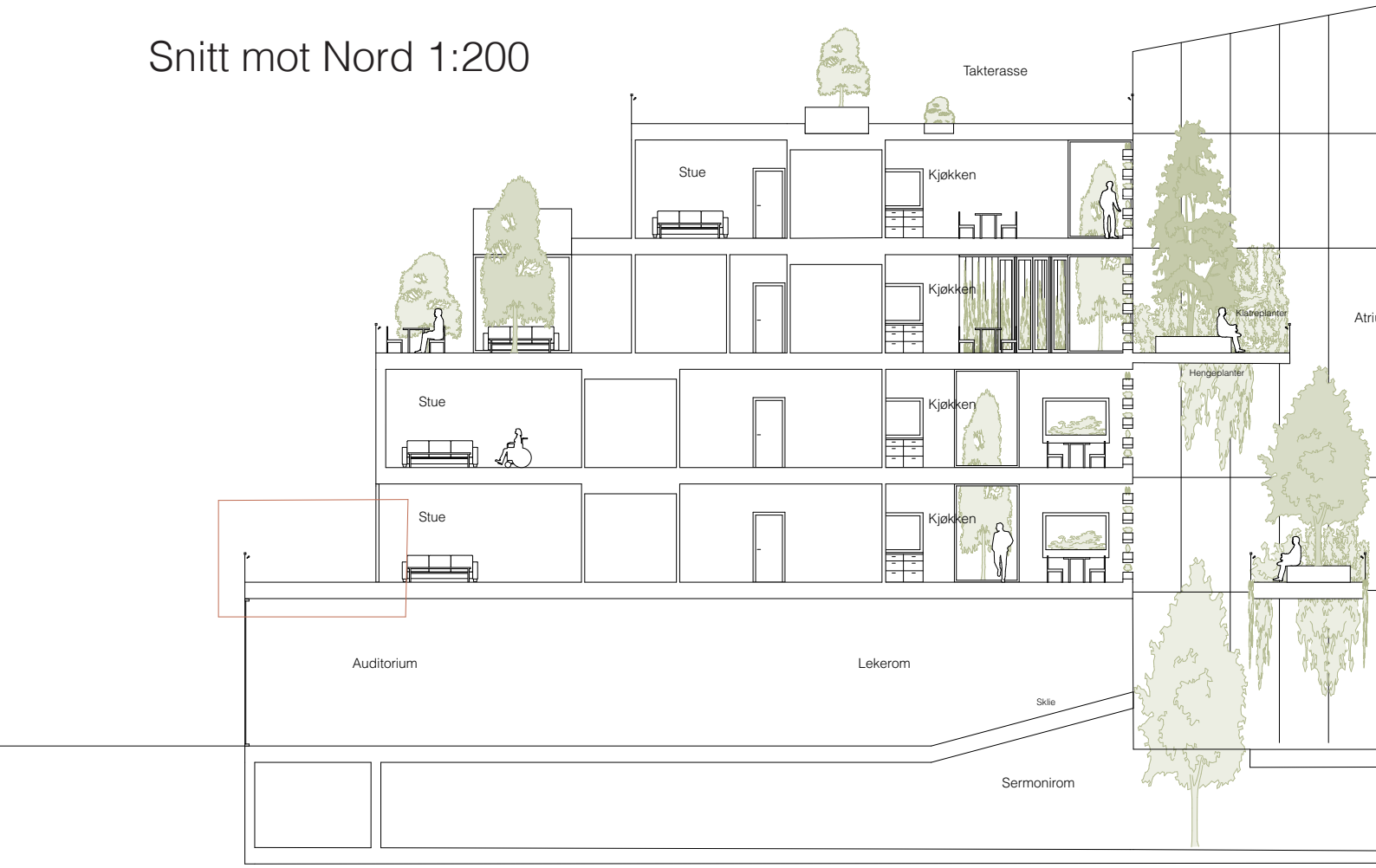
Snitt mot vest 1:200

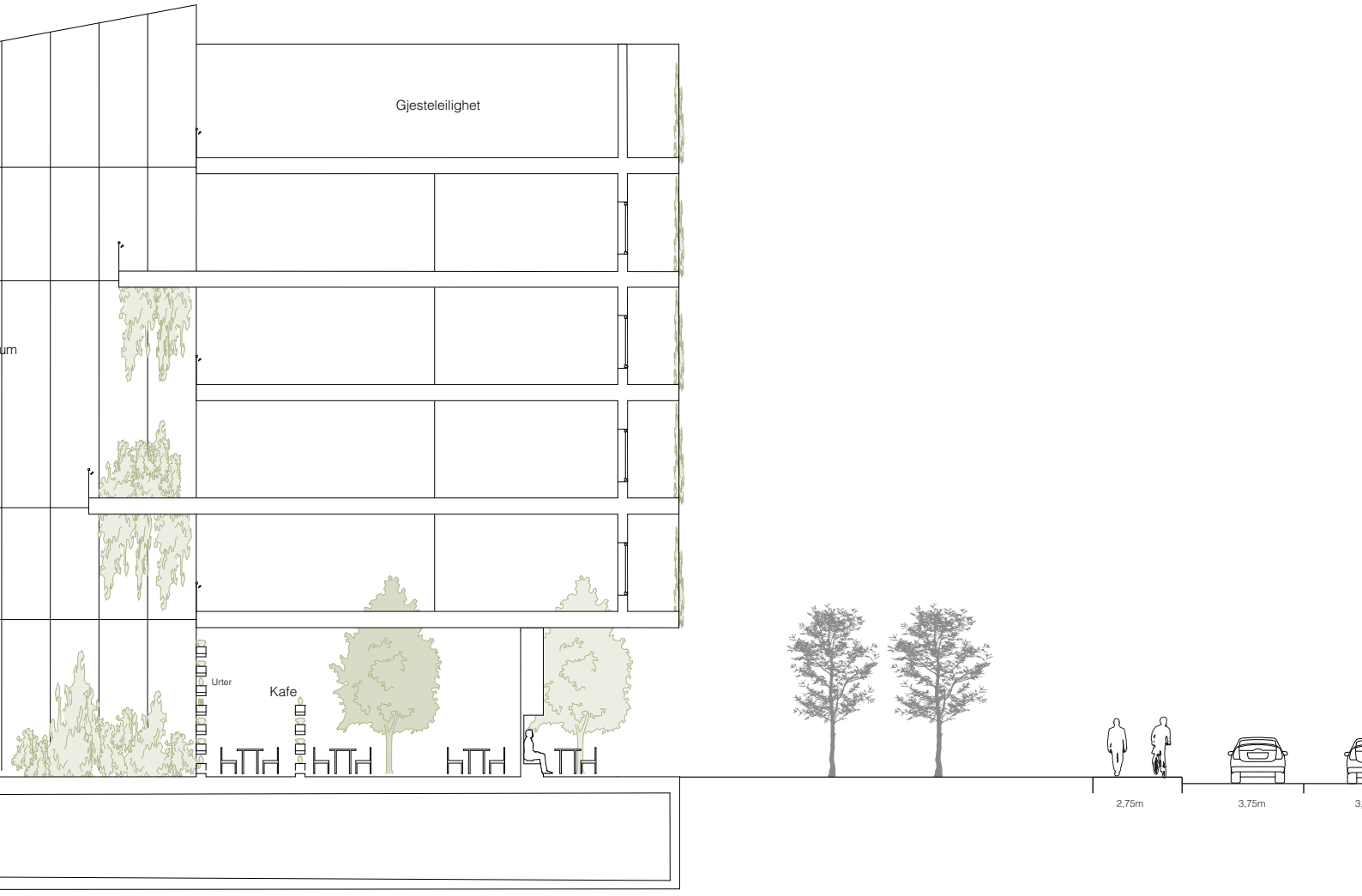





Stue
Stue
Stue
Gjesterom
Gjesterom
Stue
Soverom
Workshop

Snitt mot Nord 1:200




Gjesteleilighet
Urter
Kafe
2,75m
3,75m