

tilflytning
stigende boligpriser
mangel på byggegrunde

omstrukturering:
bedre udnyttelse af plads
bedre udnyttelse af energi
skabe ny arkitektonisk værdi



Store byer har stigende udfordringer med tilflytning, hvilket indebærer stigende boligpriser og mangel på byggegrunde.

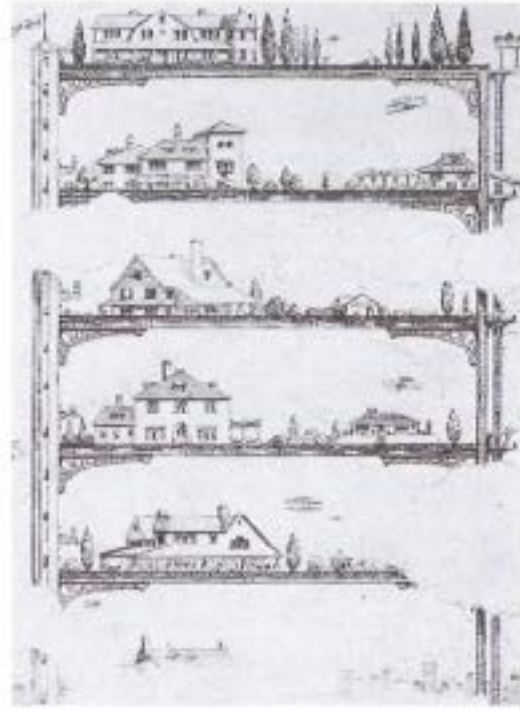
Den øgede urbanisering kan imidlertid få en positiv effekt på hele samfundet, hvis behovet for flere boliger imødekommes ved bæredygtigt byggeri, der fokuserer på miljømæssige, sociale og økonomiske aspekter.

FORTÆTNING

Utopi



Snit i fransk boligbyggeri, start 19 årh.



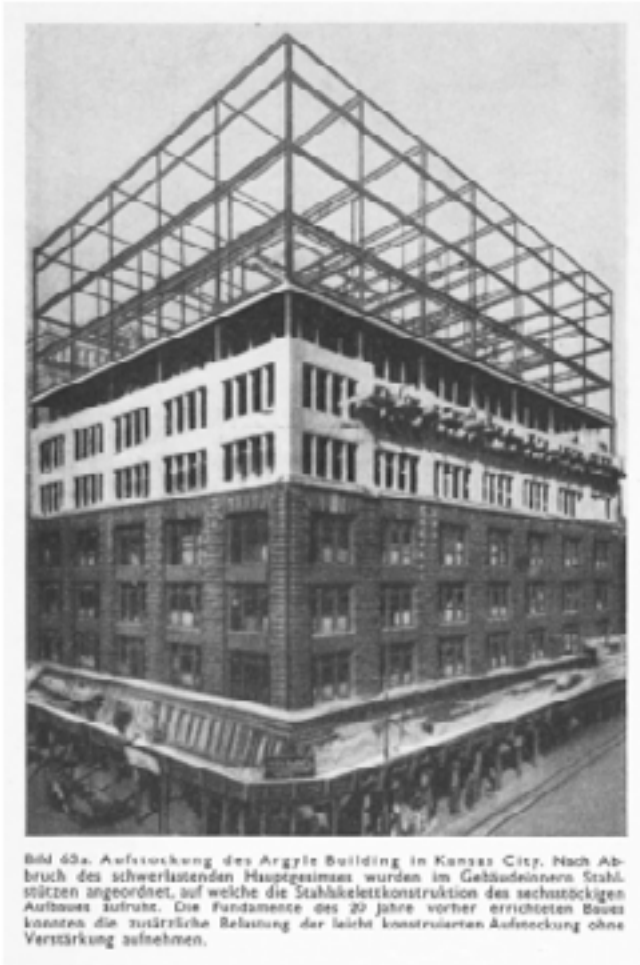
Skyskraber utopi 1929



City of the Future by Harvey Wiley Corbett, 1913

Aufstockung

Optopping



Keene & Simpson optopping af Argyle Building, Kansas City, 1906/1925

Aybrook Street, London, Richard Rogers, 1971



FORTÆTNING

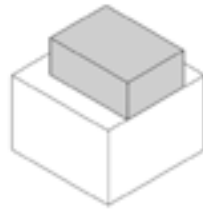


FORTÆTNING

Basic Principles / Typologies



Rooftopfurniture



Partially Addition



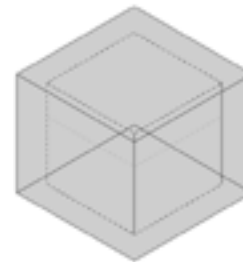
Addition



Separation

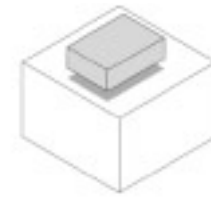


Assimilation



Envelope

FORTÆTNING



rooftop furniture

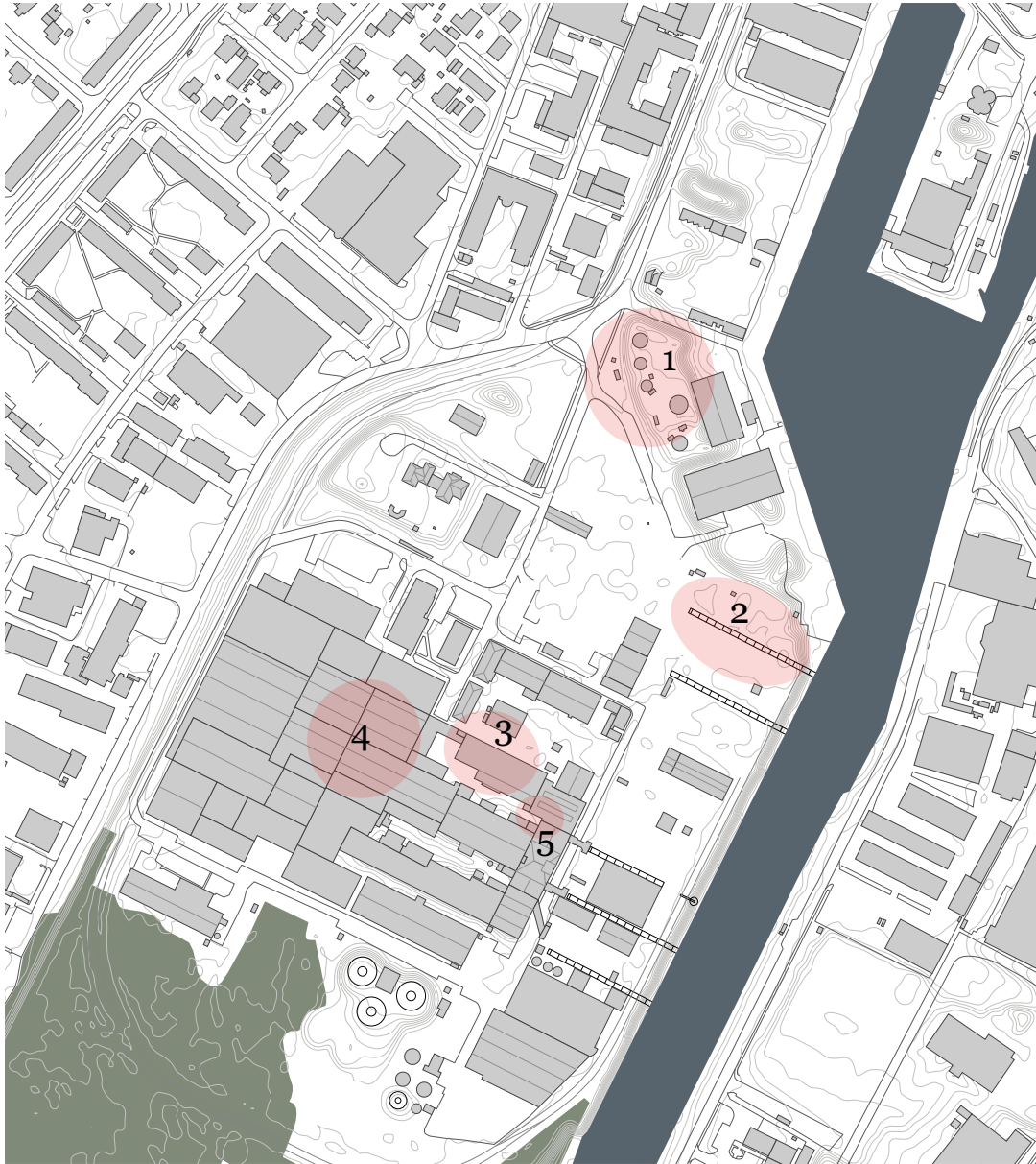
FORTÆTNING



addition

OPTOPPING WORKSHOP

REINDUSTRIALISERING AF GAMMELT INDUSTRIOMRÅDE - MAGLE MØLLE, NÆSTVED



Projektsteder:

1. siloer
2. kranspor
3. fabriksbygning
4. shedtage
5. mellemrum

Workshoppen har taget udgangspunkt i et delvist forladt industriområde i Næstved, som står overfor en reindustrialisering.

Workshoppens hovedspørgsmål har været:

Hvordan lægger man sig oven på en eksisterende bygningsstruktur?

Og opgaven var at skabe en interaktion mellem rum og struktur samt finde og udtrykke en konstruktiv strategi.

Det tilbyggede skulle være i træ, fordi det er let og tænkes som modulære systemer.

De studerende skulle arbejde med de tekniske, æstetiske og funktionelle udfordringer som disse benspænd rejste.

De følgende skitseforslag har rejst mange spørgsmål om hvordan vi kan forholde os til eksisterende byggeri når vi fortætter.

Workshoppen blev til som en del af et Innospireprojekt i samarbejde mellem DBI (Dansk Brand- og sikringsteknisk Institut) og CINARK (Center for Industriel Arkitektur) på KADK (Kunstakademiets Arkitektskole) om fortættet byggeri med lette byggematerialer.

Workshoppen forløb over en uge. 23.04. - 29.04 2015 og blev tilrettelagt af Kristine Sundahl, CINARK med assistance fra Florian Henniges, Aachen Tekniske Universitet.

OPTOPPING WORKSHOP shedtage





Shedtage

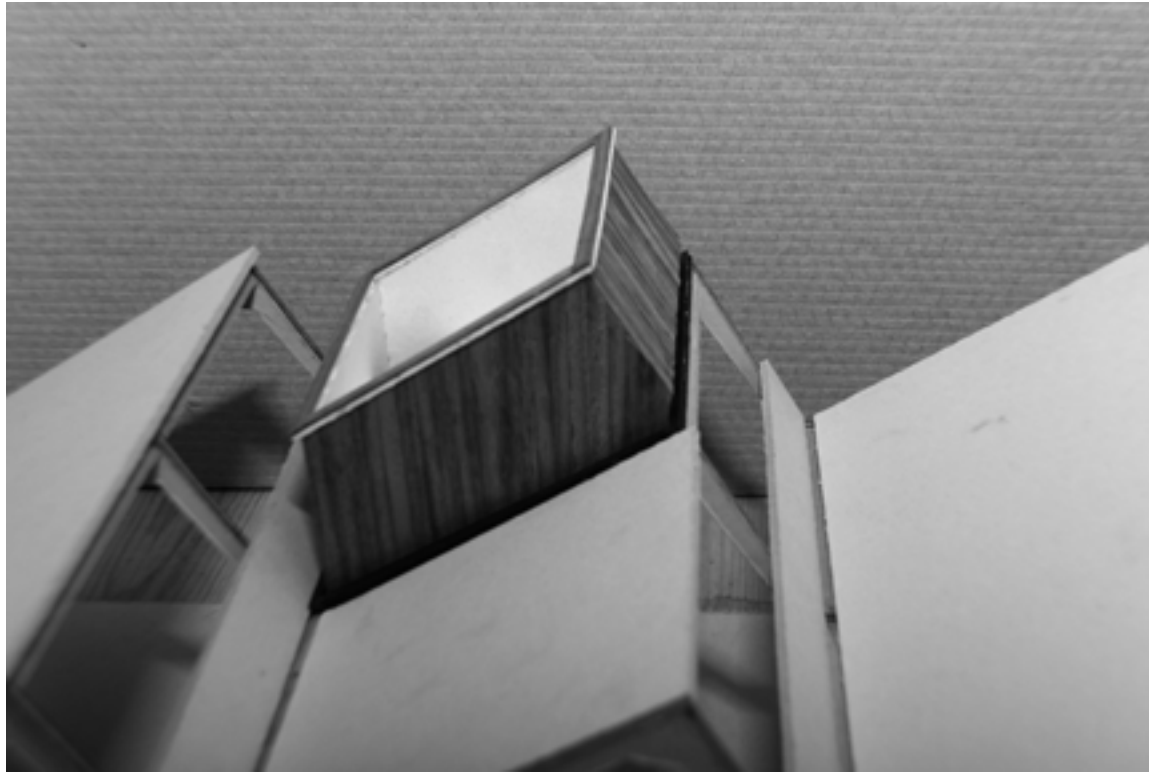
Hængende volumener i træ

kontorer

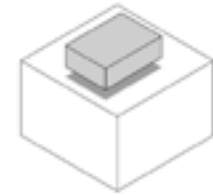
Typologi:

inverteret parasit

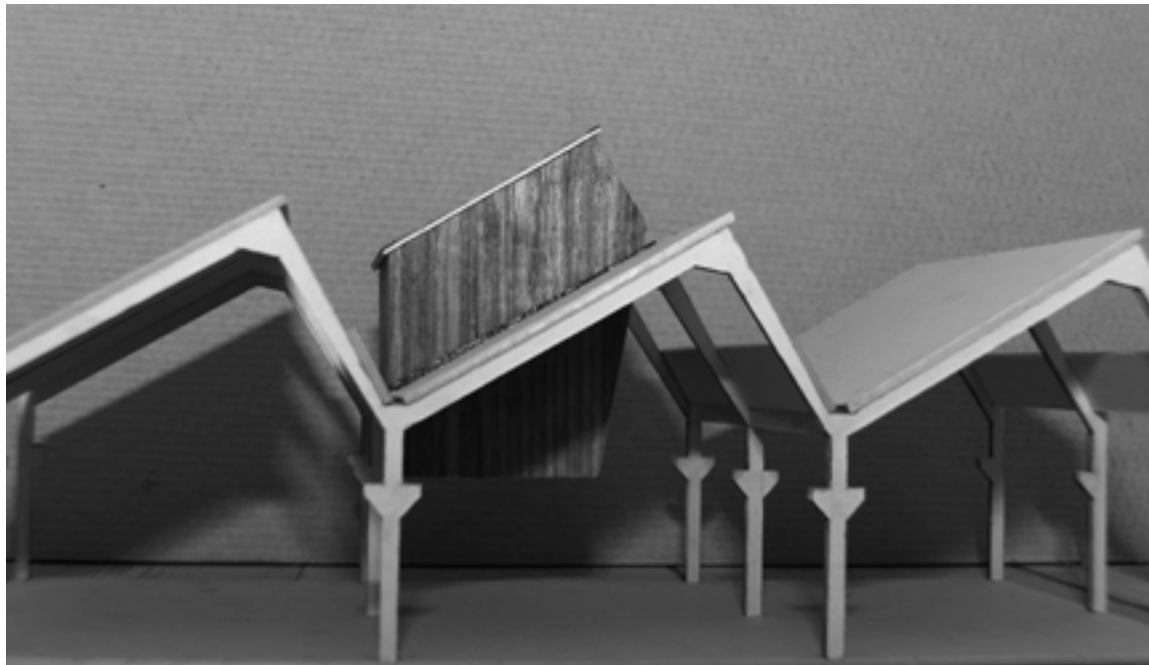
OPTOPPING WORKSHOP shedtage



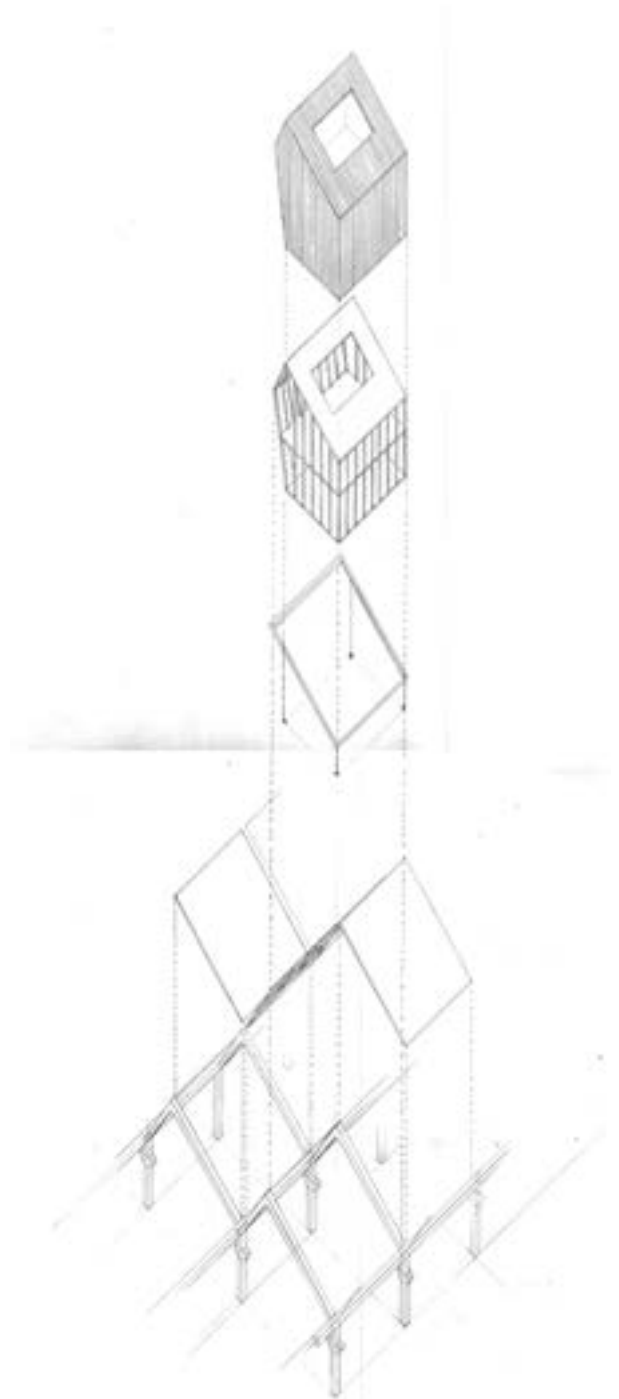
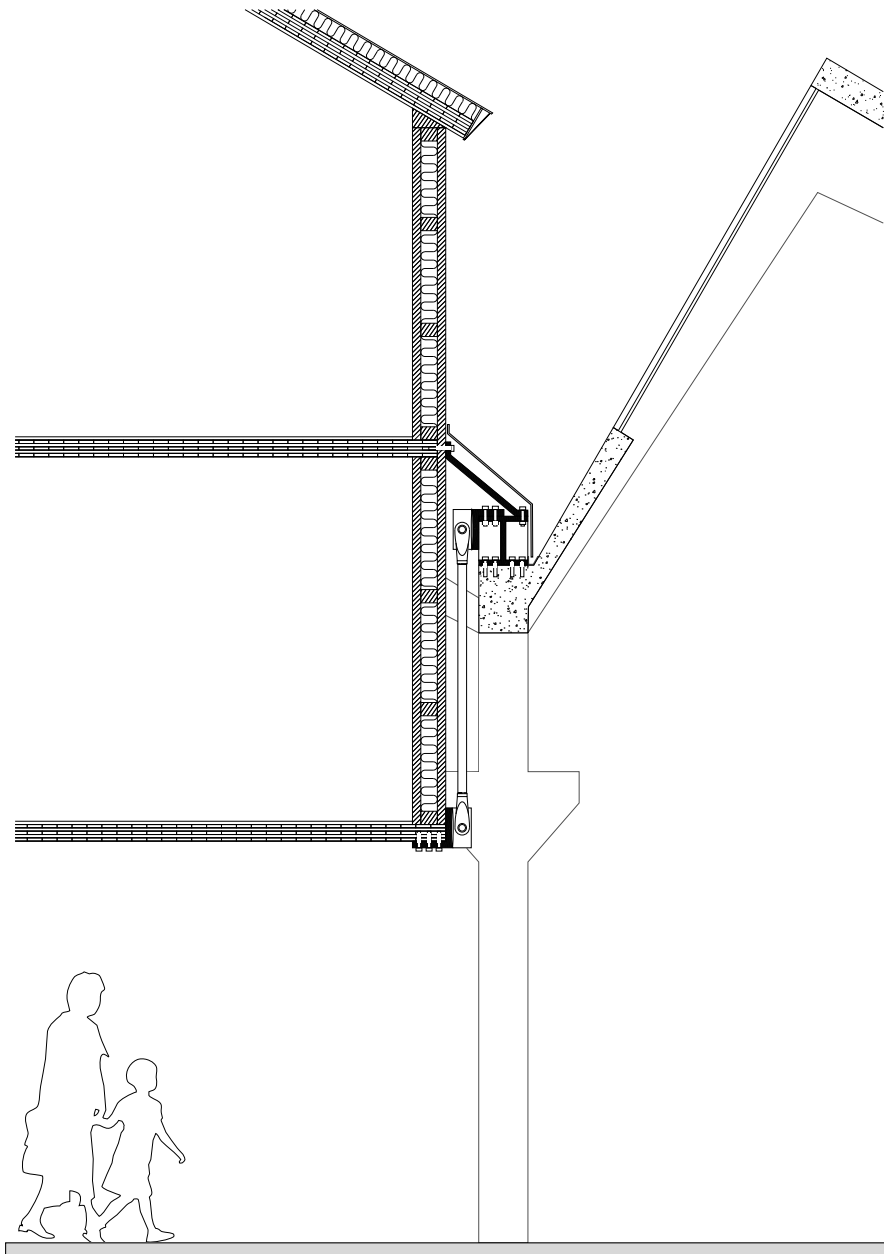
Hængende konstruktion



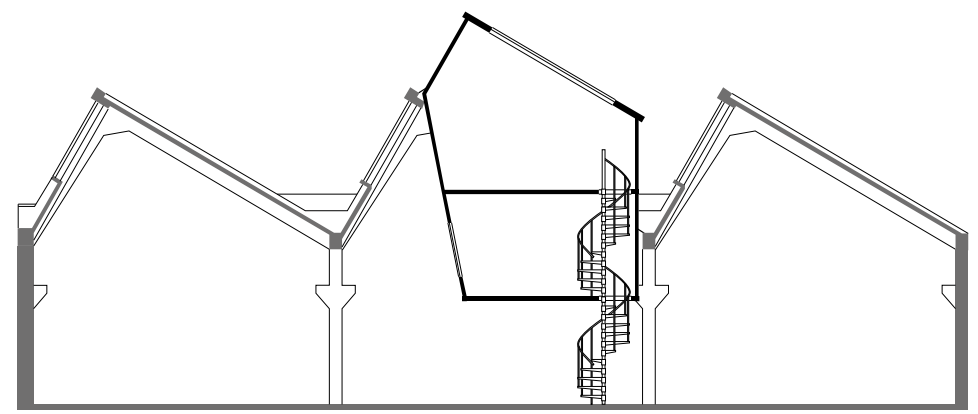
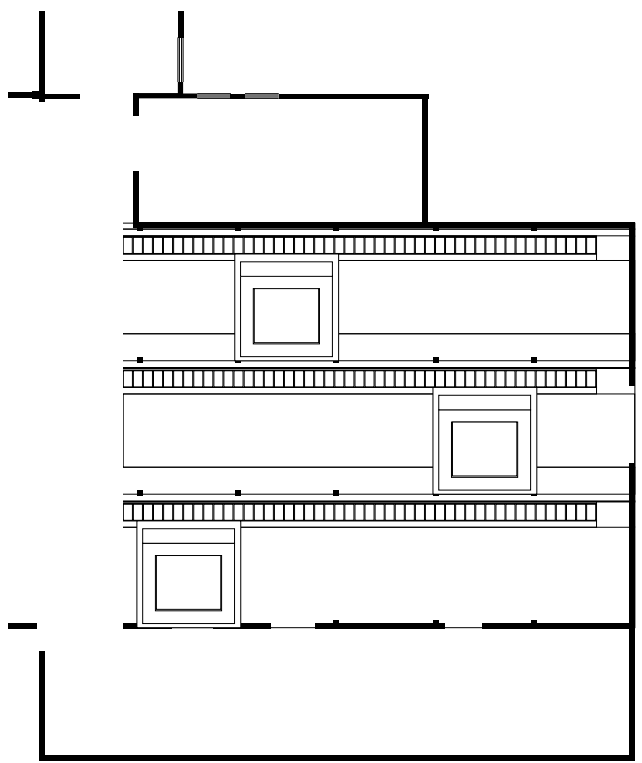
Rooftopfurniture

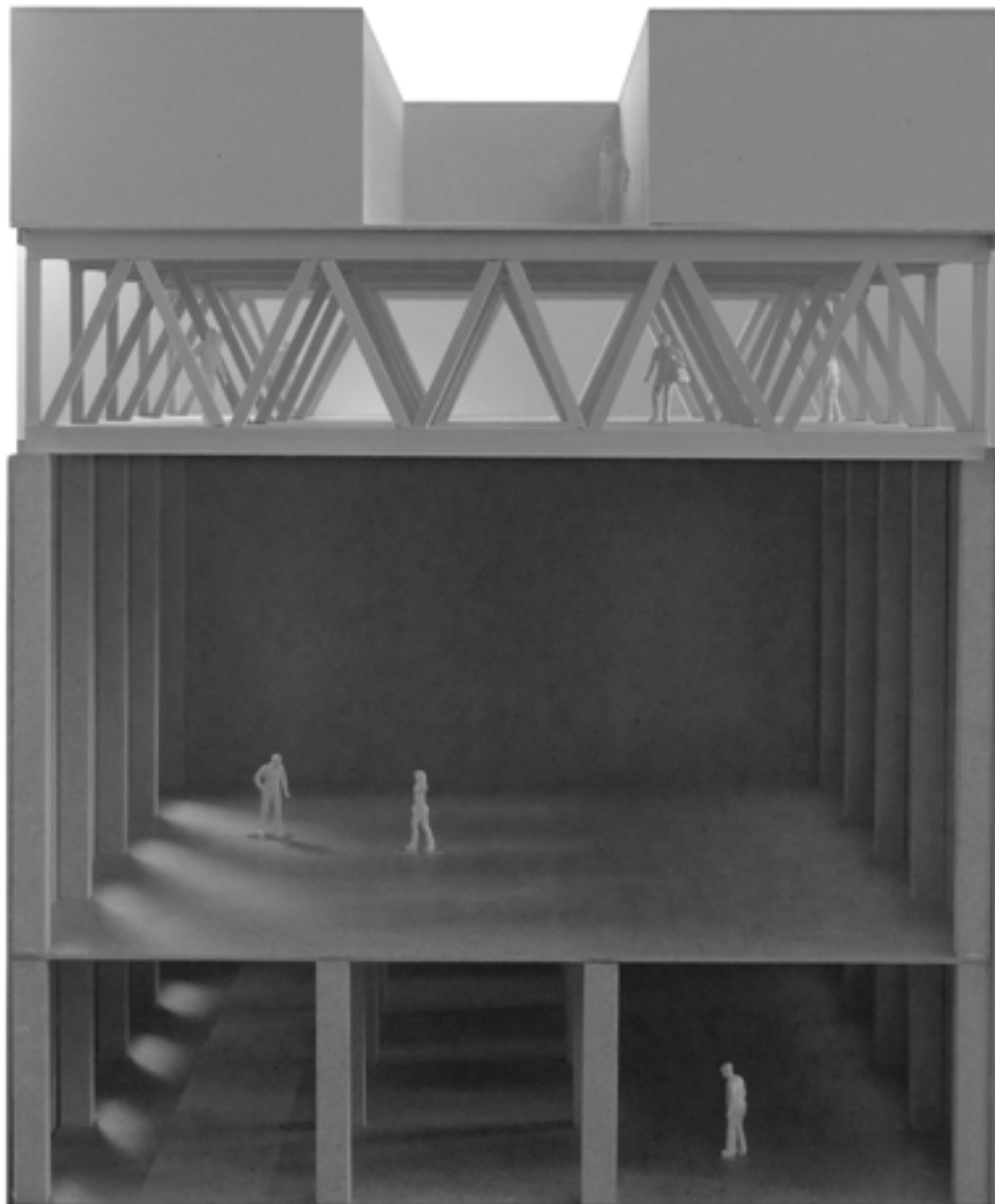


OPTOPPING WORKSHOP shedtage - konstruktivt



OPTOPPING WORKSHOP shedtage





Fabriksbygning PM13 SPORTSEFTERSKOLE

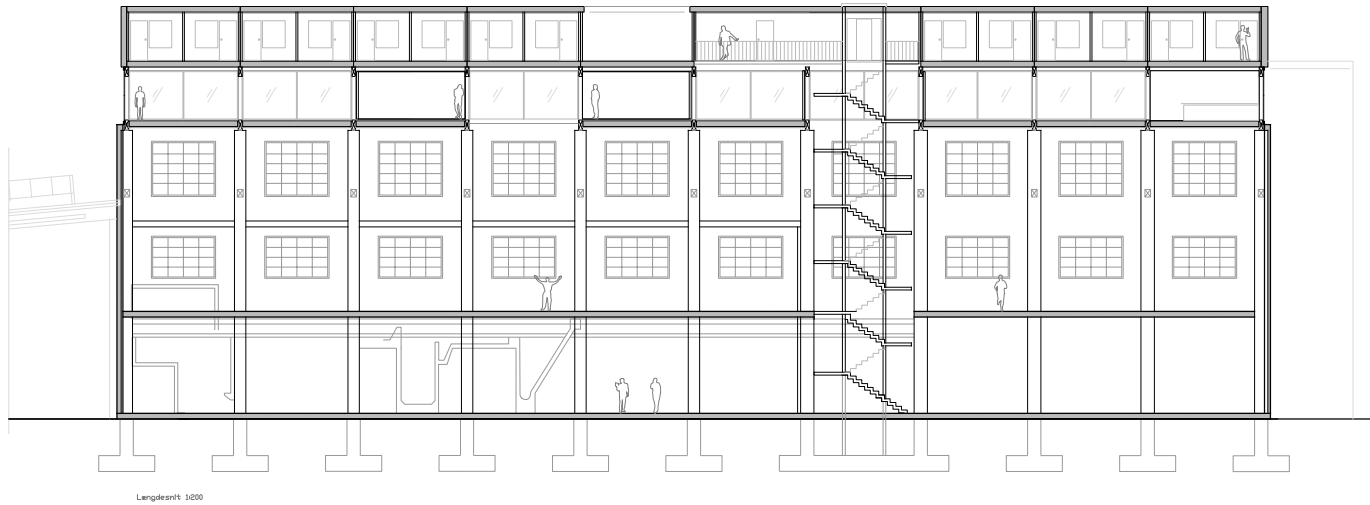
Studerende:

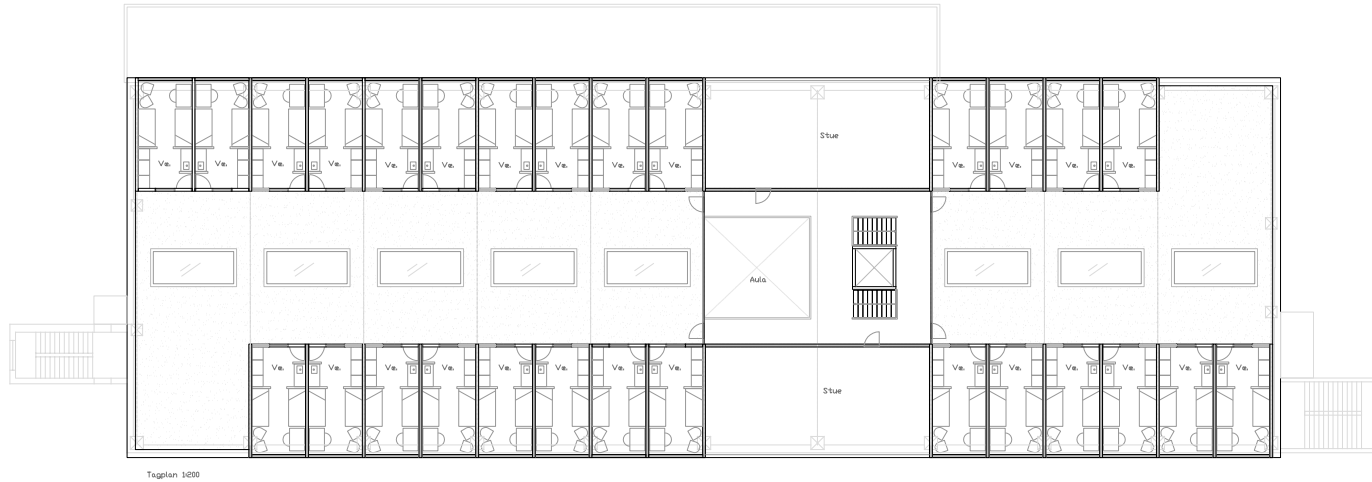
Eskild Shack Pedersen, Thea
Gasseholm, Magnus Haahr Nielsen
og Stefan Jesper Gründl



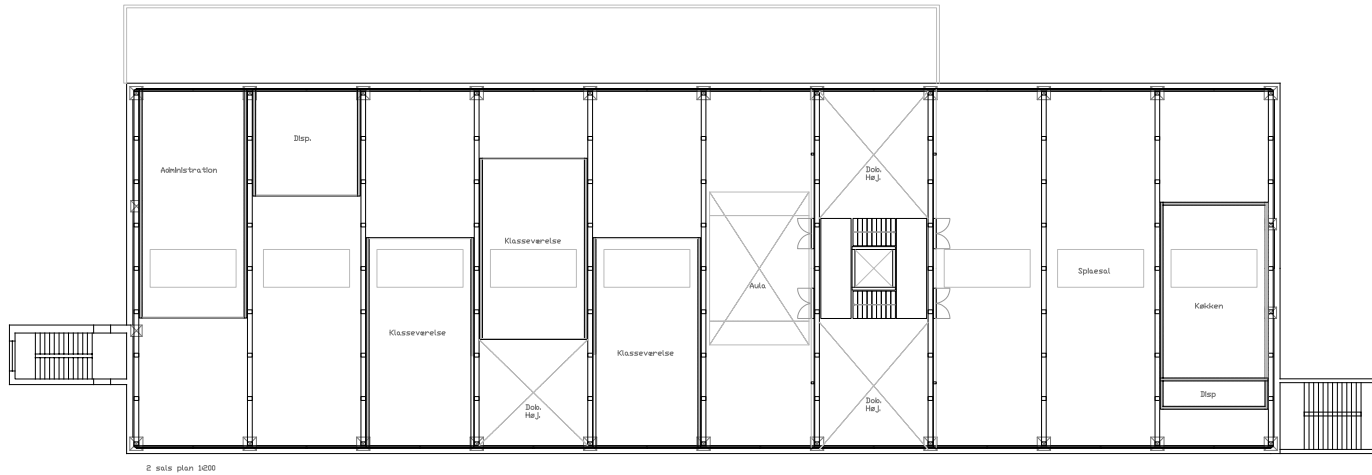
Addition

OPTOPPING WORKSHOP fabriksbygning





r u m s t o r e

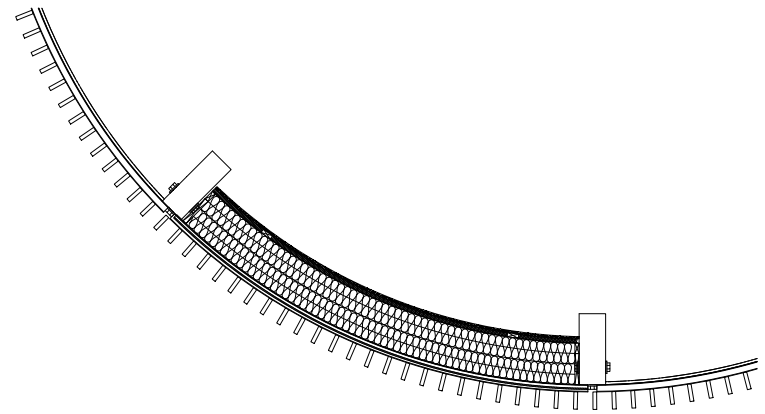
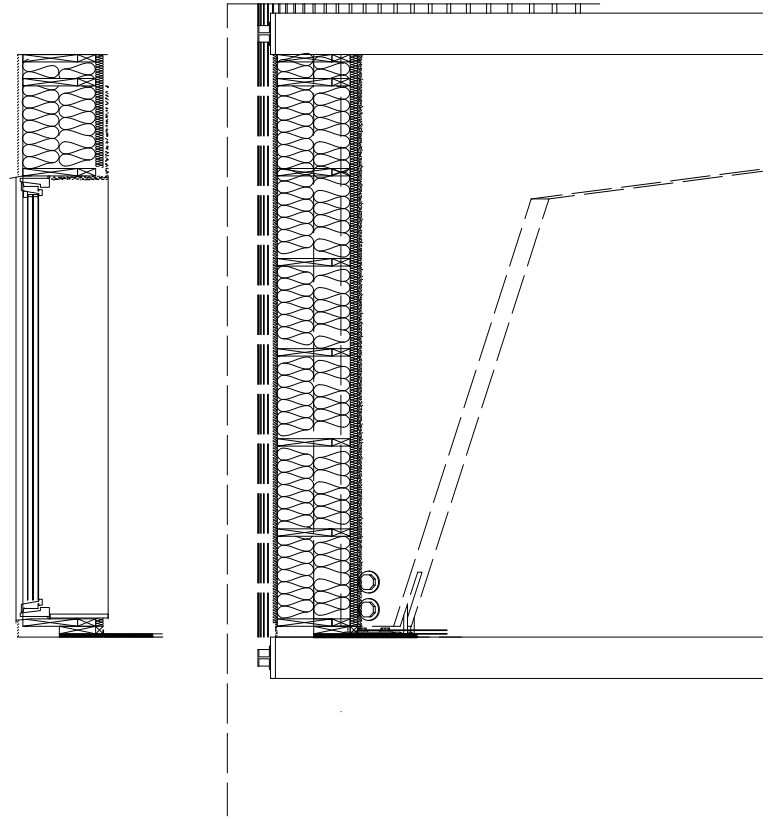
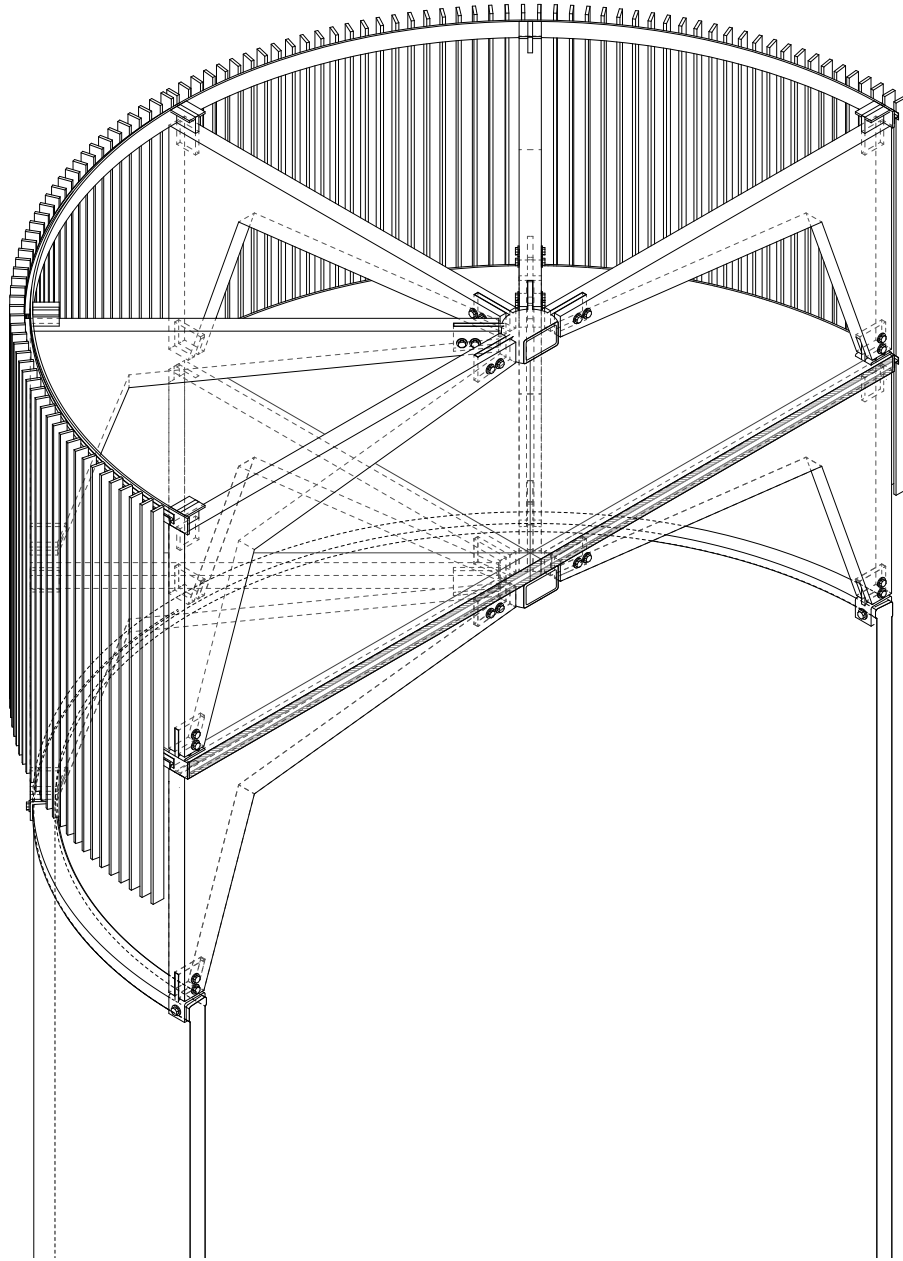


e t a g e h ø j e
gitterdragere
giver mulighed
for store åbne
rum på langs af
konstruktionen og
danner et plan/et
slags fundament
hvor yderligere

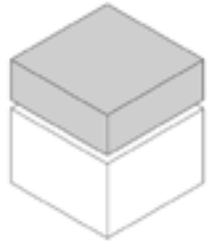
OPTOPPING WORKSHOP siloer



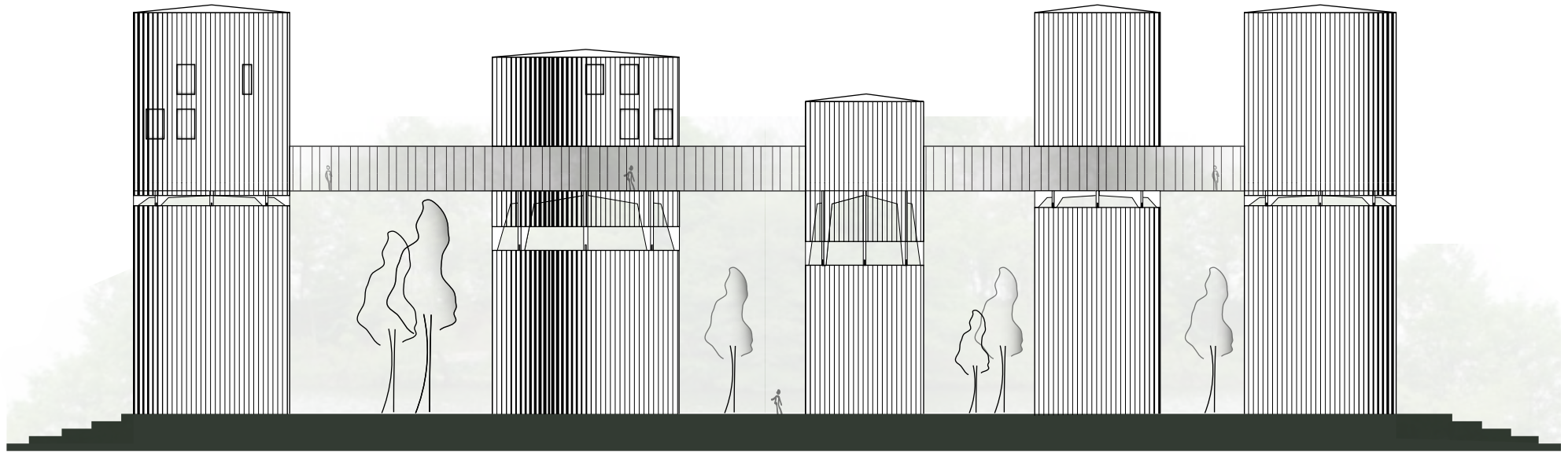
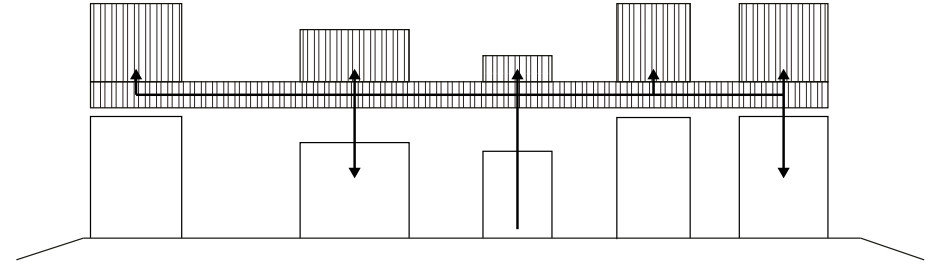
OPTOPPING WORKSHOP siloer - konstruktivt princip



OPTOPPING WORKSHOP siloer



Separation



OPTOPPING WORKSHOP indre gårdrum



Mellemrum

Kantine og udsigtspunkt

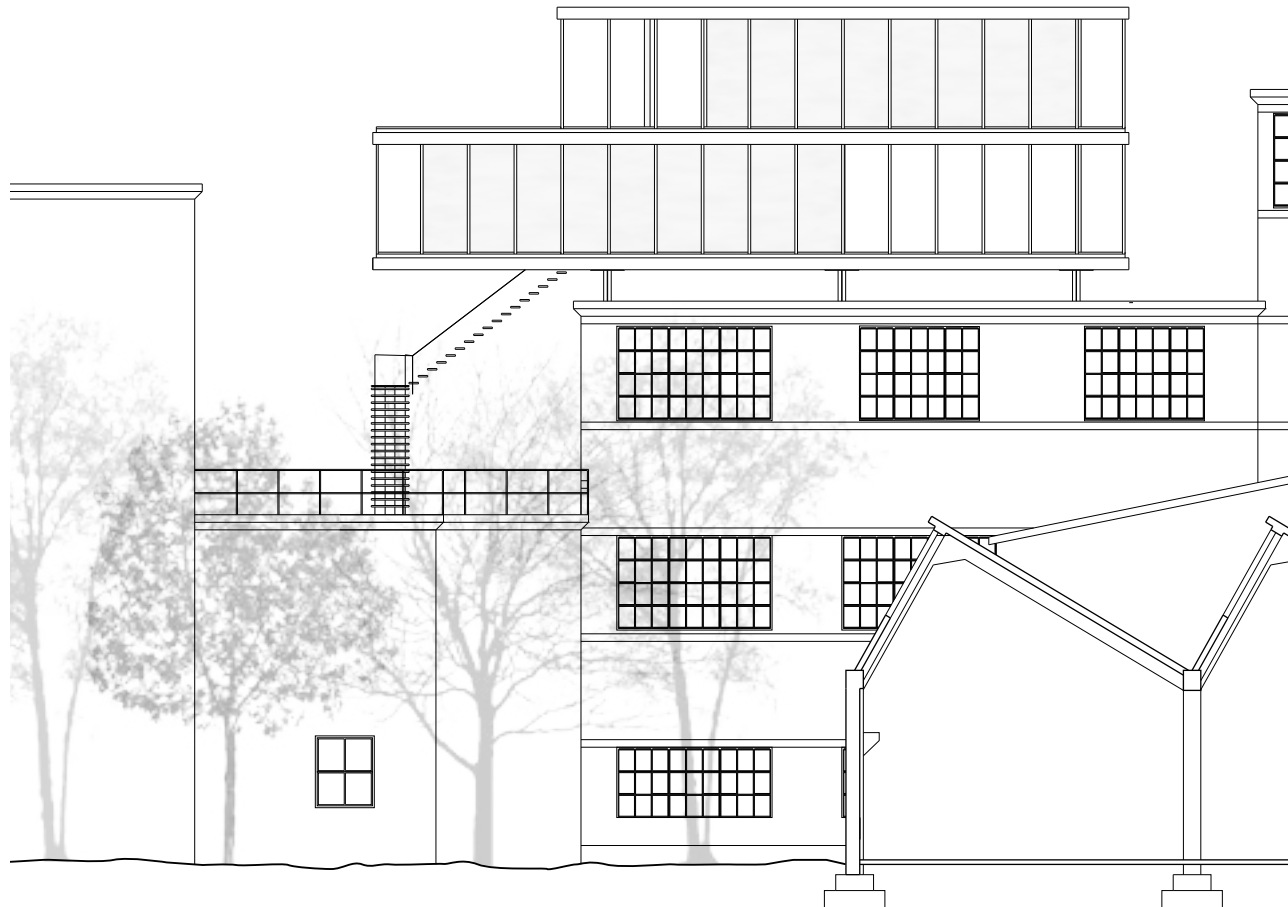
Ludvig H. Orsvall, Line Spengler,
Nynne Thykier og Line Tebering

The project is meant as a viewpoint with a canteen for the workers in Møglemølle Business Park.

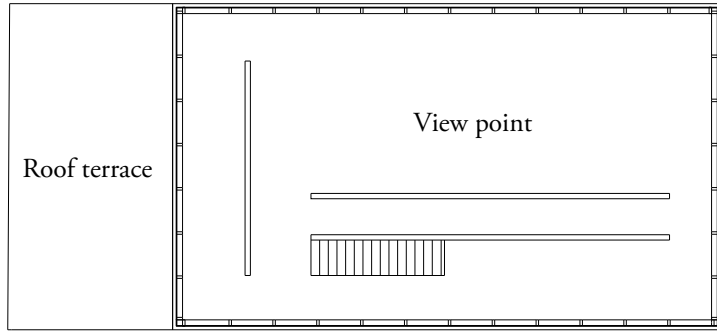
The building is situated on top of an existing structure and the access goes through the hidden courtyard in the voluminous building structure. You walk next to the existing buildings and use the fire stairs to get to the roof. The building is entered from underneath the slab through the cantilever.

The building is constructed with Cross Laminated Timber with different numbers of layers.

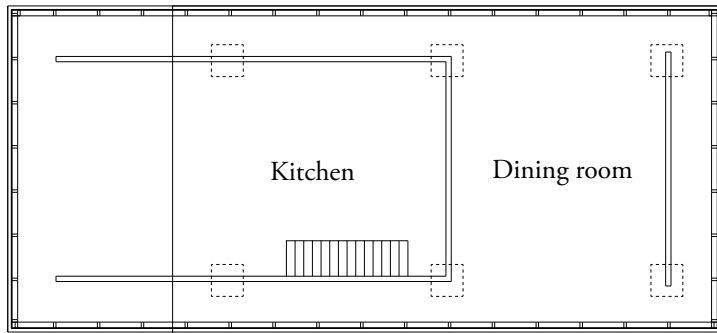
The column-beam structure from the existing building is continued with new steel pillars to the load bearers which meet the floor slab. At the first floor the slab structure meets the columns in the load bearing points. The floor



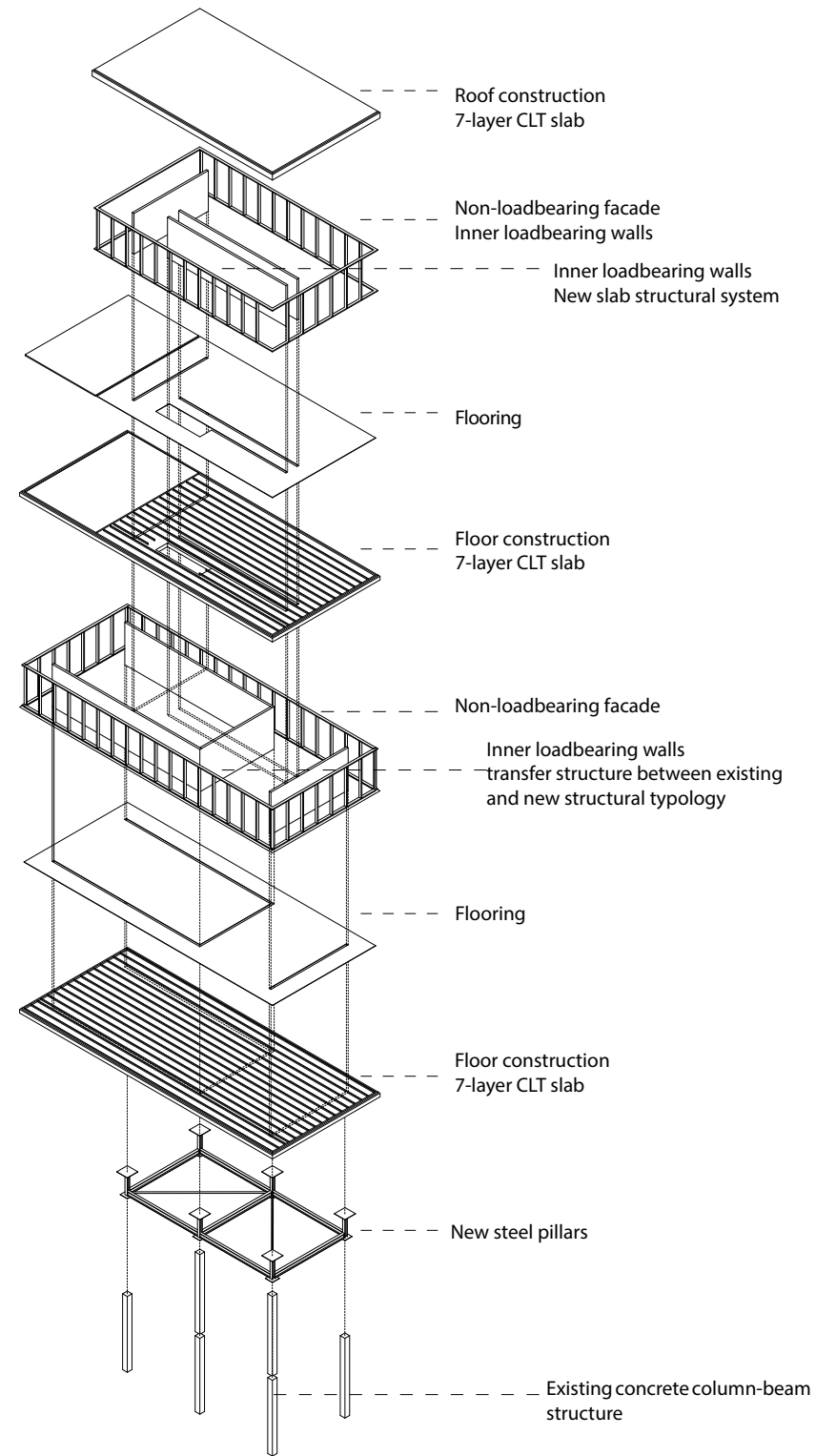
OPTOPPING WORKSHOP indre gårdrum - konstruktivt princip



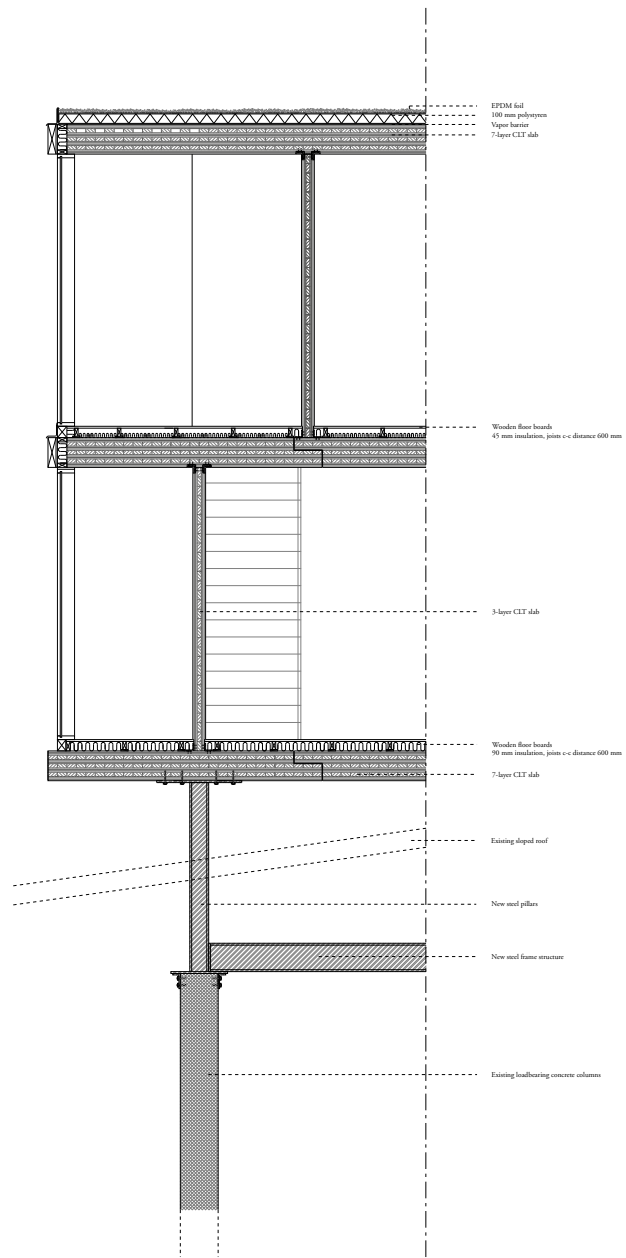
Plan second floor



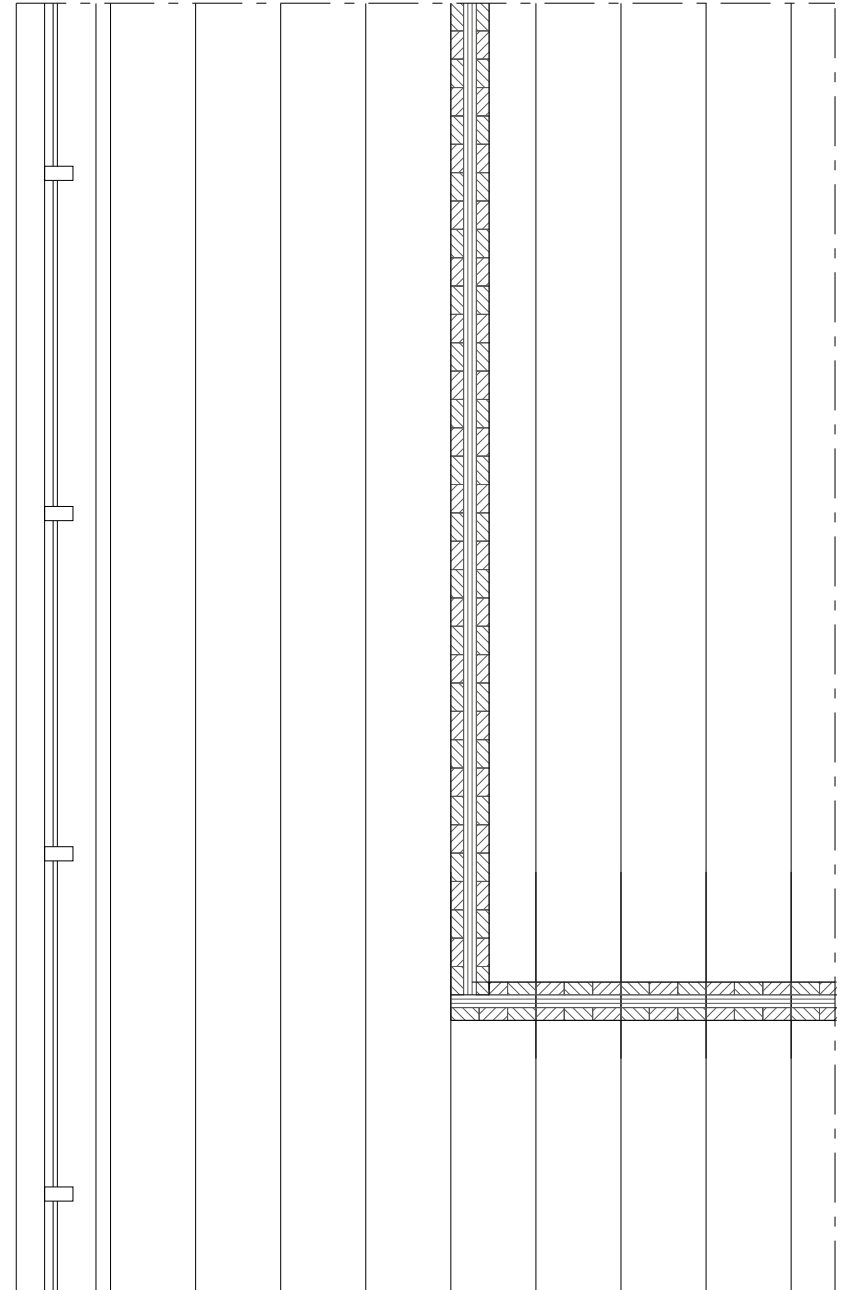
Plan first floor



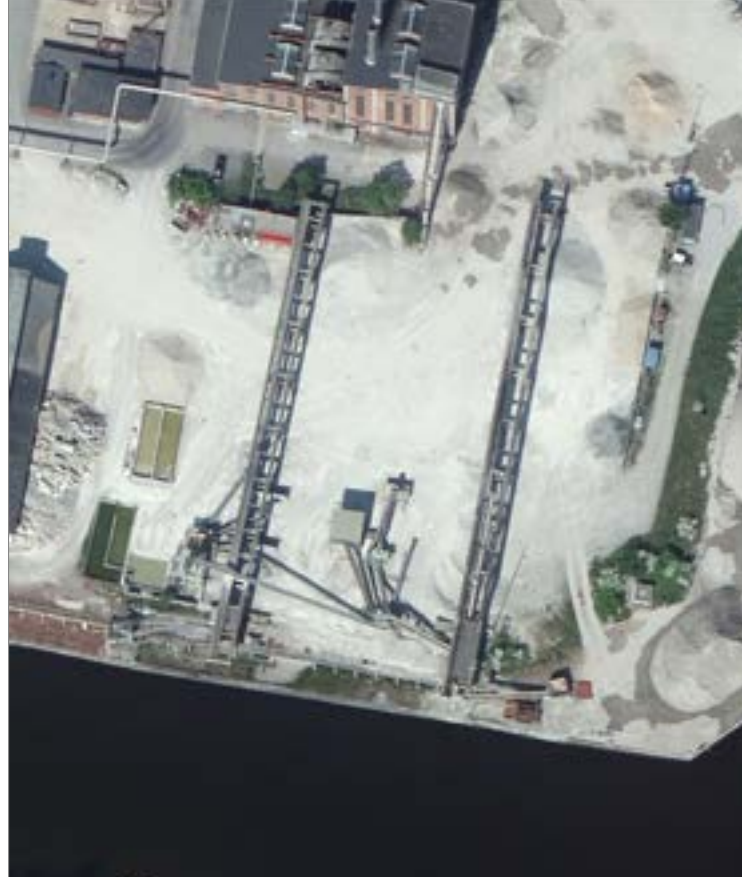
OPTOPPING WORKSHOP indre gårdrum



Section



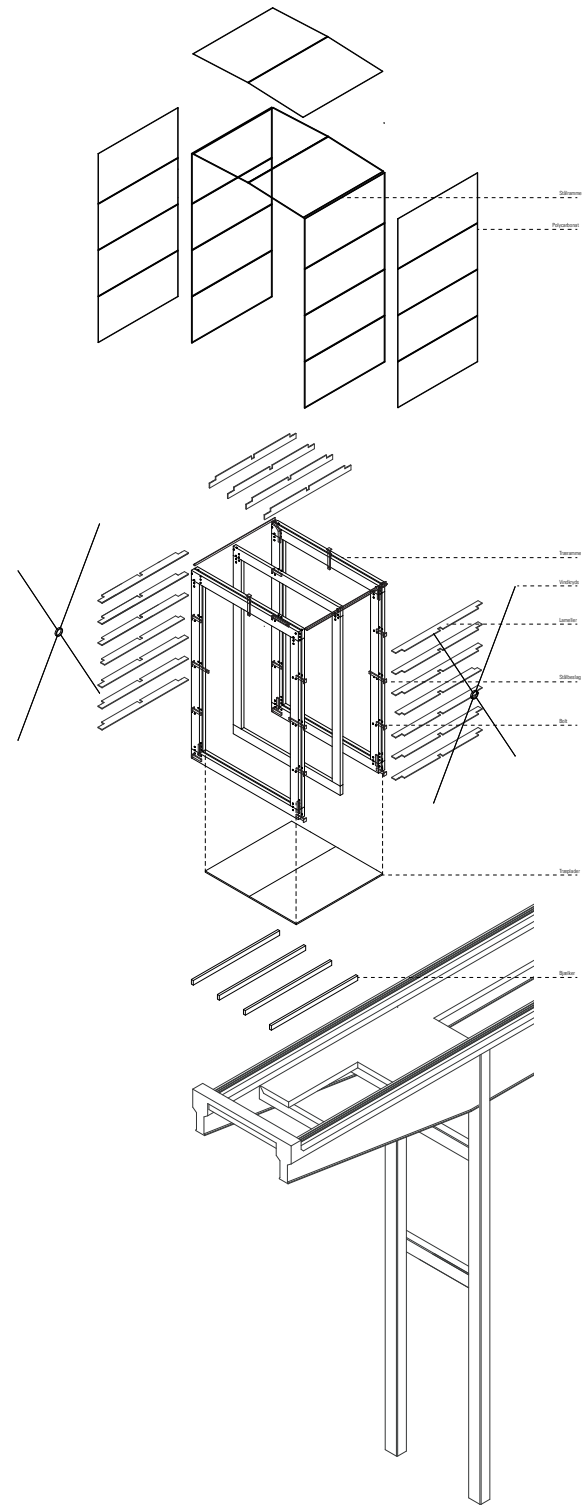
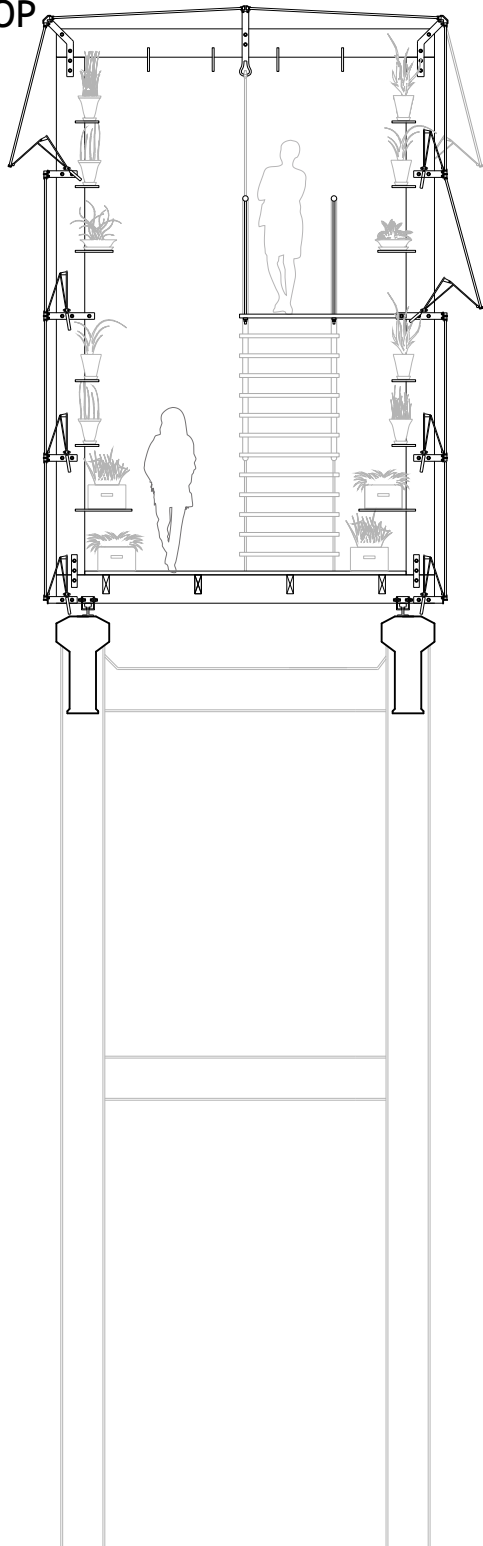
Plan



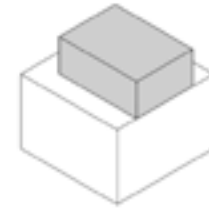
OPTOPPING WORKSHOP indre gårdrum



OPTOPPING WORKSHOP



OPTOPPING WORKSHOP



Partially Addition

OPTOPPING WORKSHOP

