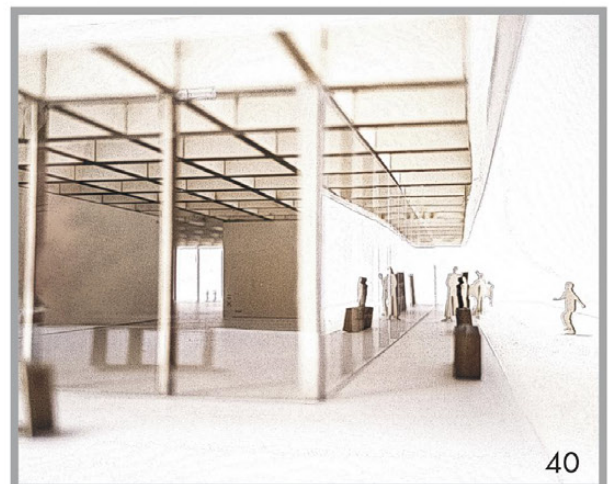
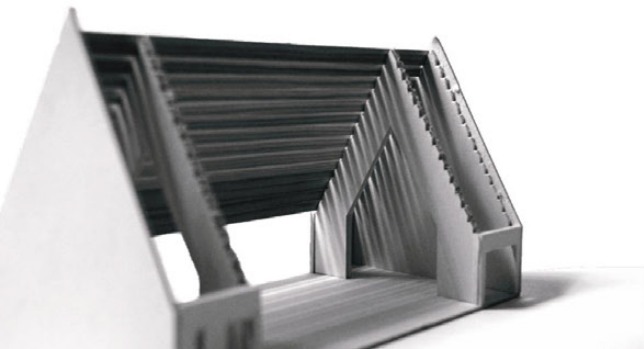
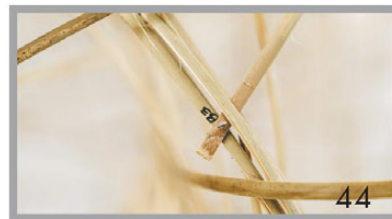
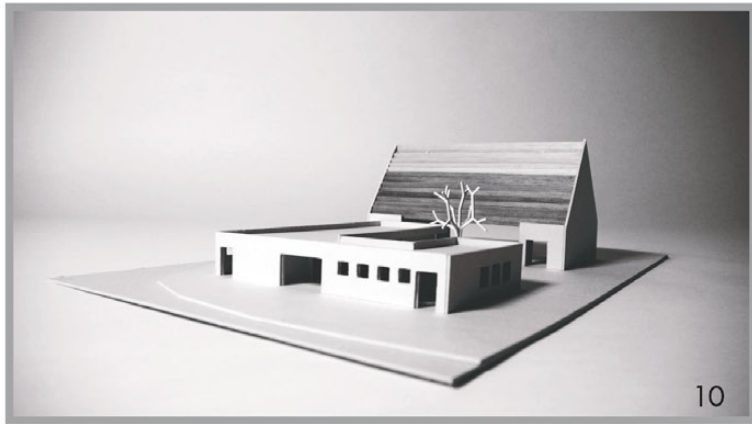
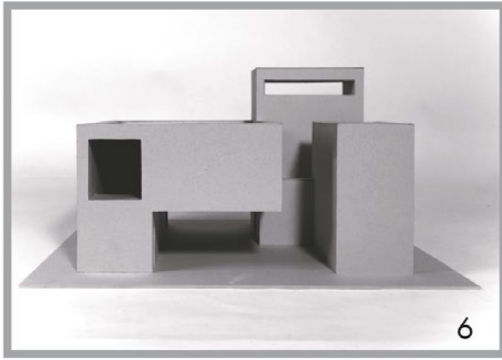




MAXIMILIAN HOEPPLER
PORTFOLIO

SELECTION OF PROJECTS





Maximilian Hoeppler

„Problems can never be solved with the same mindset that created them.“

- Albert Einstein

Through my studies at the HfT Stuttgart I have already acquired a broad spectrum of knowledge as well as an understanding of the connection between technology, construction and aesthetics. It is always important to me to develop buildings that create a sensitive context to their surroundings and with which people can identify. In order to be able to draw on as large a store of knowledge as possible, I also completed an additional semester abroad at the Chinese University of Hong Kong.

Now I would like to link the knowledge I have learnt in the AIP more deeply with practice in order to meet the increasing responsibility towards people and architecture.

Through my hobby, photography, I also gain a completely different, unique perspective on architecture and the surroundings. Spaces are experienced differently and at the same time insights into society are opened up that might otherwise have remained hidden.



about & contact

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date of birth: 30.01.1994
tel: +49 157 79268476
e-mail: maximilian.hoeppler@web.de
website: www.maximilianhoeppler.com



education

graduation	Feburay 2020	Master of Arts (architecture)	University of Applied Sciences Stuttgart
	2019	Semester abroad	Chinese University of Hong Kong
	2016	Bachelor of Arts (architecture)	University of Applied Sciences Stuttgart
	2014	Start of studies	University of Applied Sciences Stuttgart
	2013	Allgemeine Hochschulreife	Nikolaus-Kopernikus-Gymnasium, Weißenhorn



experience

student employee	Werner Sobek	(2017 - 2019)	Germany
	alphaEOS inside	(2016 - 2017)	Germany
internship	Werner Sobek	(2015 - 2016)	Germany
	Reichenberger Bau GmbH	(3 month)	Germany
	Maslowski Architekten	(3 month)	Germany
qualification other	fully trained member of Fire Department Senden		Germany
	ancillary worker at Ron Berry (concrete specialist), Brisbane		Australia
	ancillary worker at Rockpress, Brisbane		Australia
	ancillary worker at Hansen Electric, Waikerie		Australia



Social

Member of the student council architecture and design
 representative for social media, student council architecture and design
 tutoring bachelor students
 participate in the HfT Stuttgart image movie 2016
 member of the volunteer fire department



skills & competences

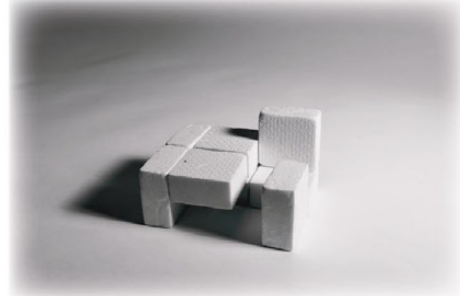
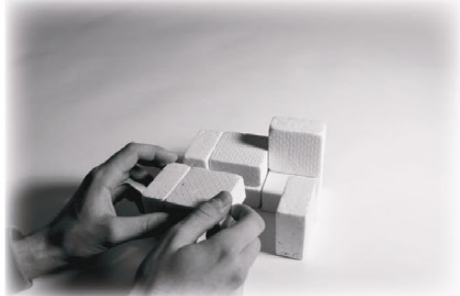
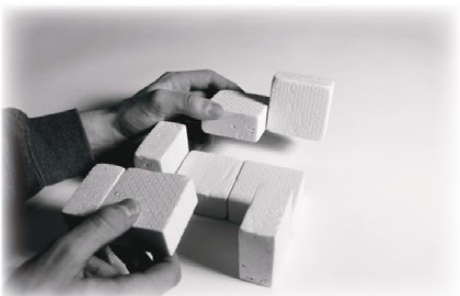
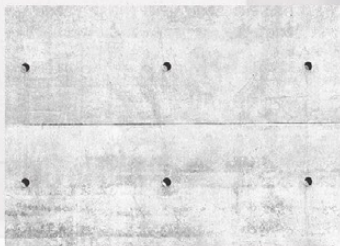
languages	German	native speaker
	English	C1
	Technical English for Architects and Civil Engineers	B2
	Chinese	A1
software	Vectorworks (Nemetschek)	
	AutoCAD	
	Adobe Photoshop InDesign Illustrator Lightroom	
	Rhino(cerus)	
	TransysLite (computer simulation for energy consumption)	
	Microsoft Office // Word // Excel // PowerPoint // Project	
technical	photography	
	modelling	
	hand drafting, drawing	
driving license	B	
	BE	

PROJECT BUILDING CONSTRUCTION

accompanying professors: Prof. Roser, Prof. Roeder
supervisor: Prof. Roser

definition of task

material: facing concrete / ferroconcrete
topic: museum of art
requirements: usage of four similar modules 1 x horizontal + 1 x vertical (6m x 6m x 3m)
all schemes as technical drawing
displaying of groundplan, sections, views and technically details



development of the building with modules

Museum of Art

entrance

staging of entrance // from dark into // bright ,
light-filled glassy input // transparency through the
building // transparency // smooth transition bet-
ween inside and outside

foyer

light-filled foyer // welcoming atmosphere encoura-
ges communication // wooden windows frames the
visitors view

reduction

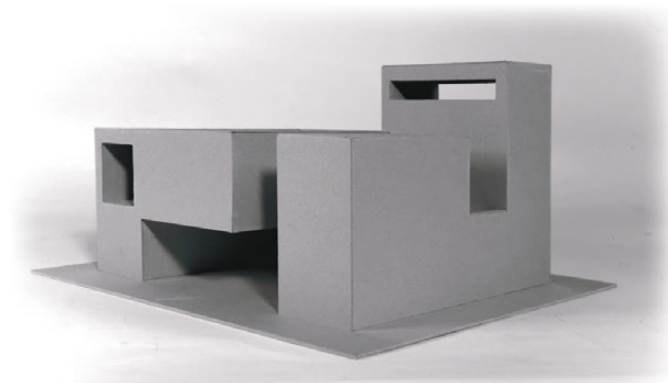
simple geometry // simple rooms with exposed con-
crete walls of fine // polished cement floors // ascetic
reticence leaves art precedence // staging of art

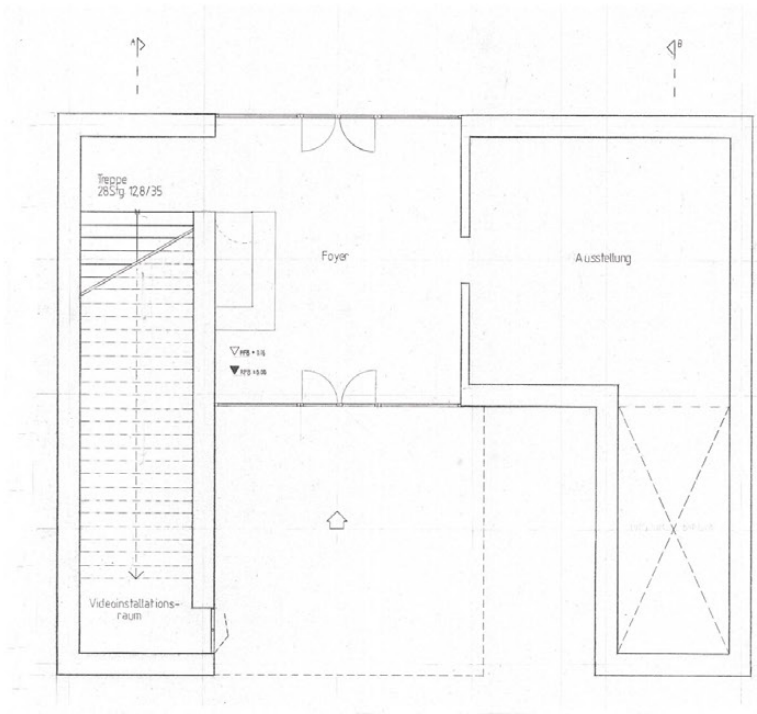
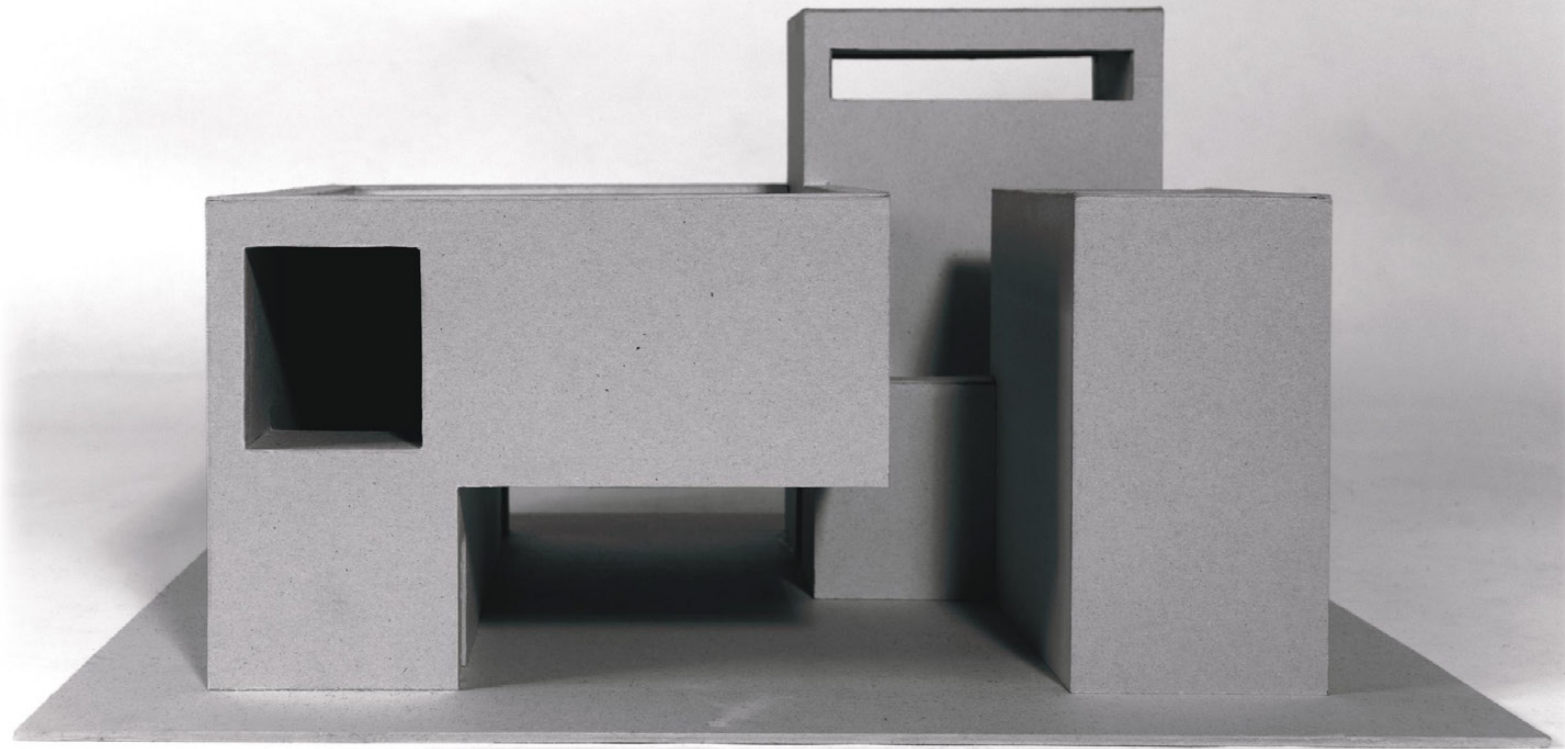
light

reducing to a few windows // Isolation // sensitiza-
tion of perception // concentration on art // staging
by mostly artificial light

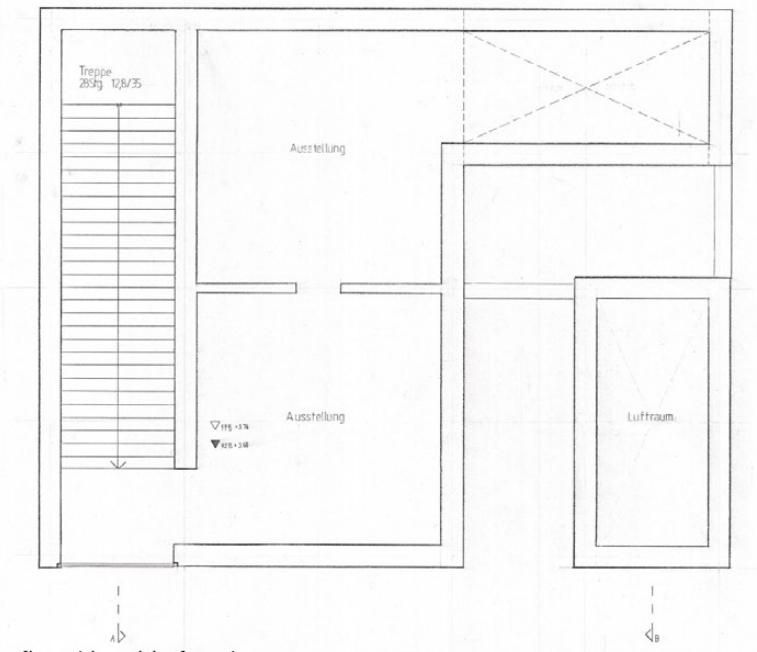
stair

wide , oversized staircase // painted white , tread out
of beech //leads to the light/nature // light as a gui-
de // sculptural character // creates a smooth transi-
tion between the two levels





groundfloor (handdrafting)



firstfloor (handdrafting)

Kiesschicht 50
 Bitumenbahn, 2-lagig
 Gefälleedämmung 2/ 250
 Dampfsperre
 Stahlbetondecke 240

Holzfenster
 Festverglasung
 Putz 10
 PS-Dämmung 30

Stahlhohlprofil 50x50

Textilmembran

Sicheres Trich 50
 Trennlage
 TSD 40
 PS-Dämmung 60
 Stahlbetondecke 240

Sicheres Trich 50
 Trennlage
 TSD 40
 PS-Dämmung 60
 Abdichtung
 Bodenplatte 160
 PE-Folie
 PU-Dämmung 120
 Kiesschicht 200

Dämmbeton 600

Abdichtung
 PU-Dämmung 100

Fundament 600x800
 Magerbeton

DETAIL ATTIKA
 M 1:5

DETAIL FENSTER / ANSCHLUSS
 TEXTILMEMBRAN
 M 1:5

DETAIL DECKENANSCHLUSS
 M 1:5

DETAIL FUNDAMENT
 M 1:5

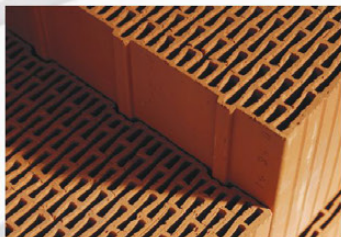
detail section (handdrafting)

Integrated Project I

accompanying professors: Prof. Löffler, Prof. Wulf
supervisor: Prof. Löffler

definition of task

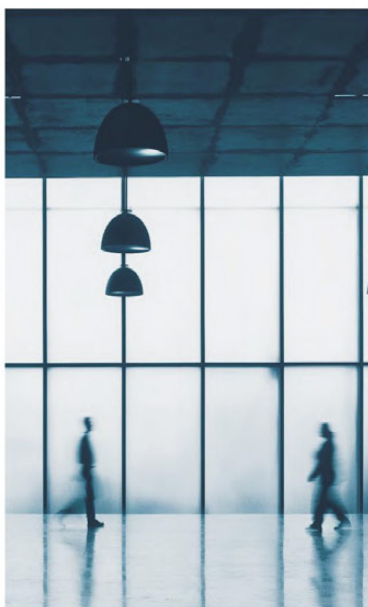
material: masonry
topic: mortuary chapel in Sinzheim
requirements: fulfill the prescribed space allocation plan
elaboration considering:
building construction
building physics (protection against solar, moisture, sound)
building engineering (drainage concept, freshwater concept)
supporting structure (calculating snow-, wind-, dead-, trafficloads)



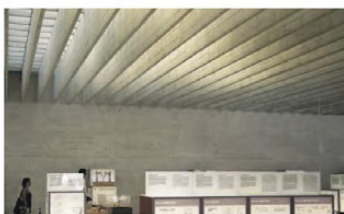
implementation

Integration of the functional administrative building with the sacral building.
Achieved by a linear concept , which increases the efficiency of the management and simultaneously supports the members during troubled times and exudes a quiet and intercepting gesture.

MORTUARY CHAPEL SINZHEIM



invisible,
visible



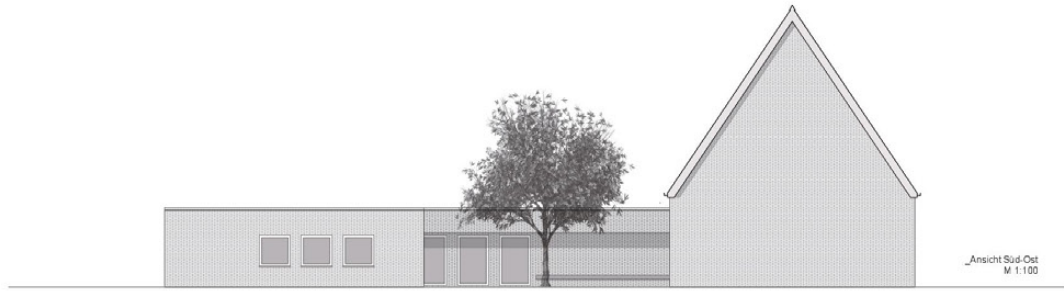
linearity



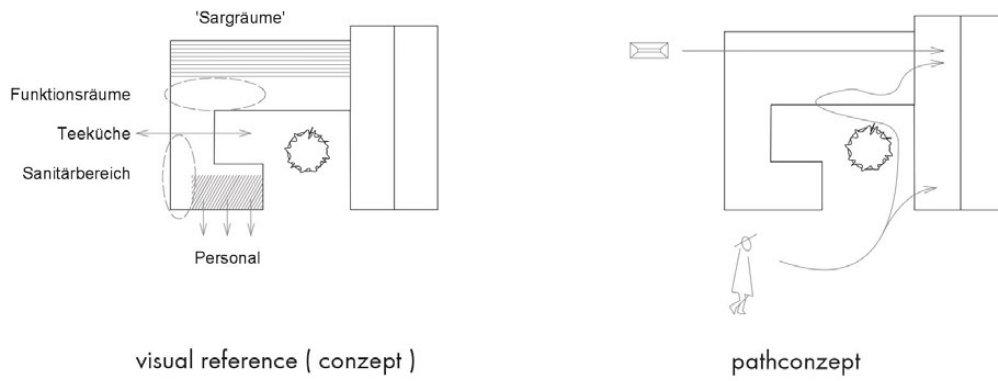
earthy, foothold



transition, gate

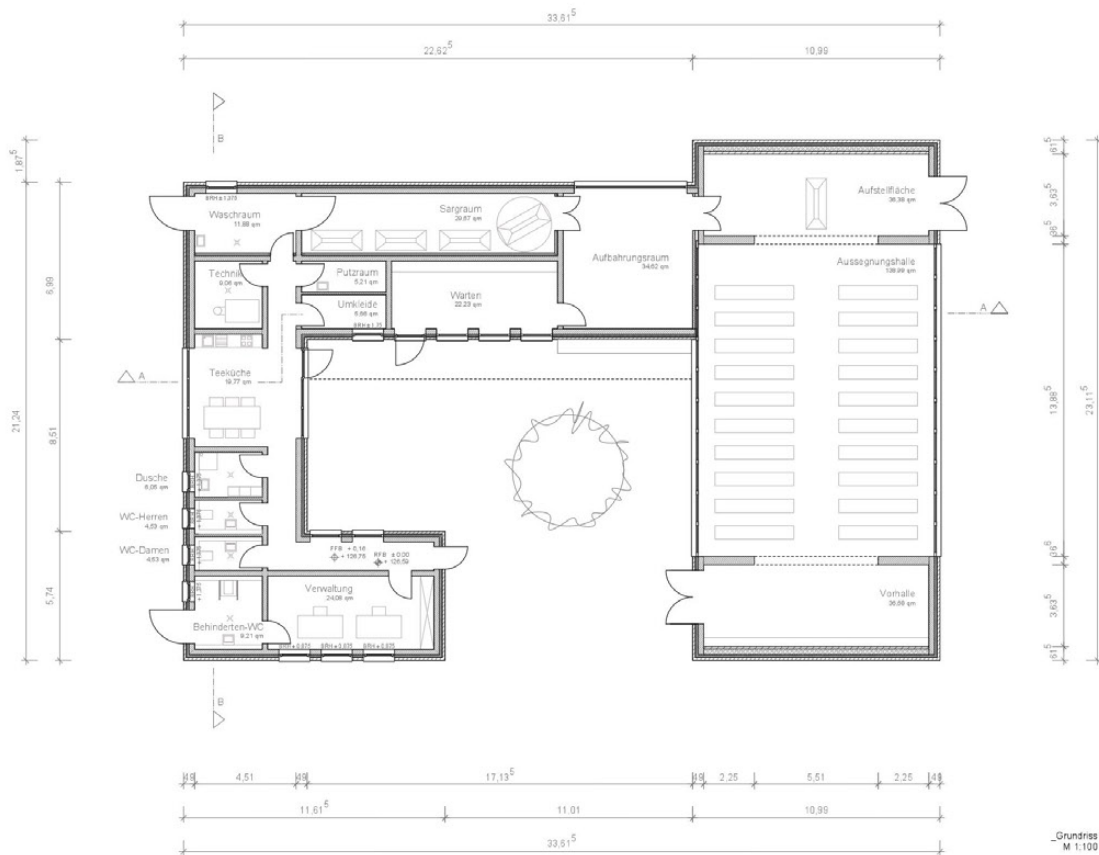


elevation



visual reference (concept)

pathconcept

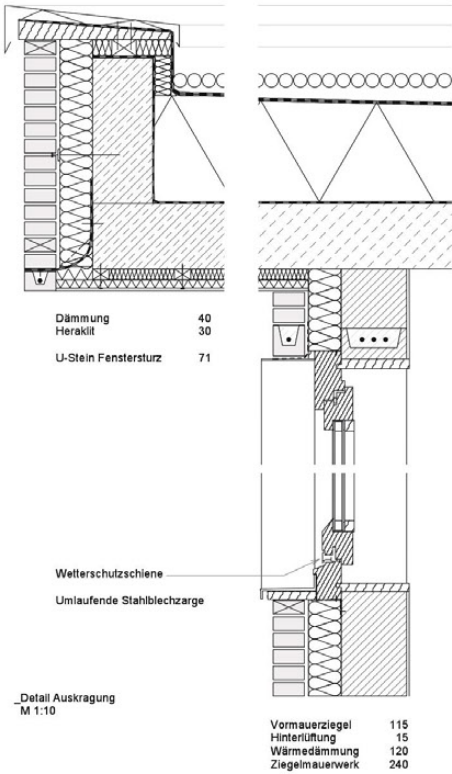


Grundriss M 1:100

groundfloor



section bb



_Detail Auskragung
M 1:10

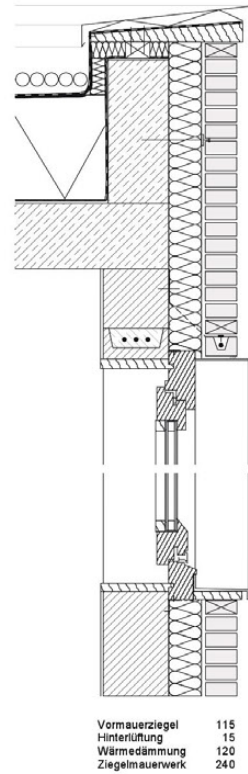
Attika-Blechabdeckung Kupfer

- Kiesschicht 50
- Polymerbitumen-Dachabdichtungsbahn, 2-lagig
- PS Dämmung, 2% min. 200
- Dampfsperre
- Stahlbetondecke 240

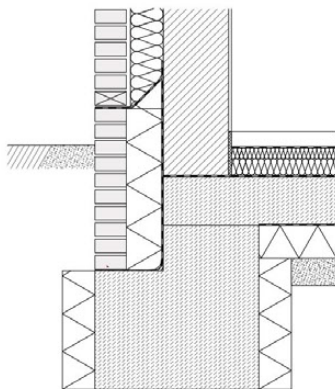
Bewehrter Ziegelsturz
Blendrahmen in Dämmebene

Holzfenster mit
Isolierverglasung

Mit Blendrahmen verzahntes
Fensterbrett

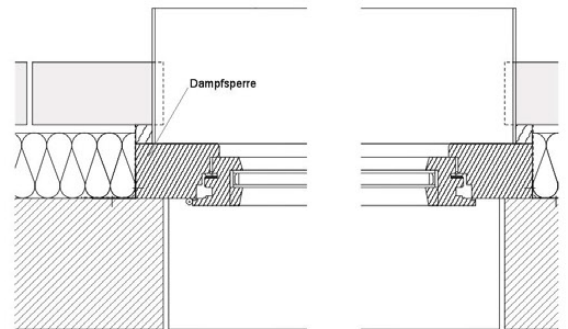


_Detail Anschluss Fenster Attika
M 1:10



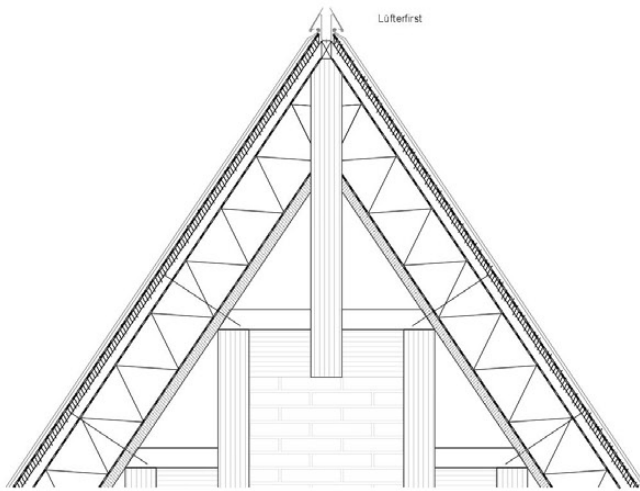
- Sichtestrich 50
- Trennlage 40
- Trittschalldämmung 40
- Wärmedämmung 60
- Dampfsperre
- Betonbodenplatte 180
- Trennfolie
- Wärmedämmung 120
- Sauberkeitsschicht

_Detail Fundament
M 1:10

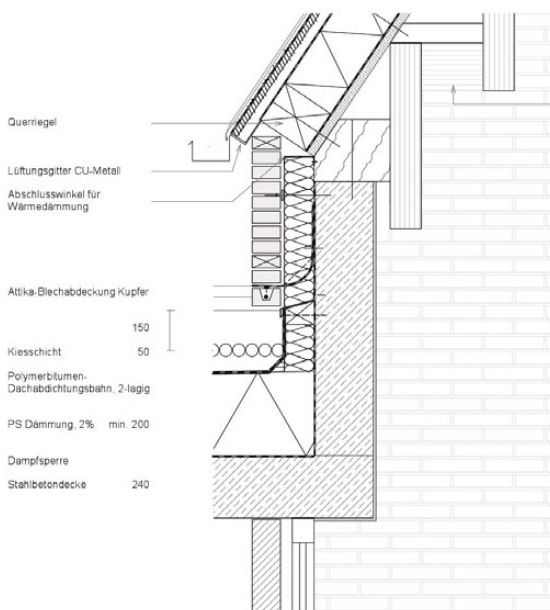


_Detail Fenster Horizontal
M 1:5

different technically details

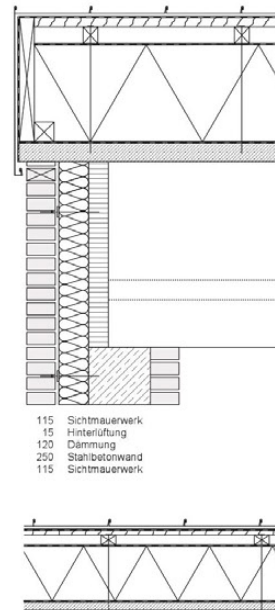


_Detail First
M 1:10



_Detail Anschluss Flachdach-Satteldach M 1:10

Schallabsorber, Holz
125x250 Funierschichtholz
Schwellholz



7 Doppelfelzdeckung Kupfer
Trennfolie
24 Brettschalung
60x40 Kontistattung
Unterspannbahn
220 Aufdachdämmung

40 Dampfbremse
OSB-Platte

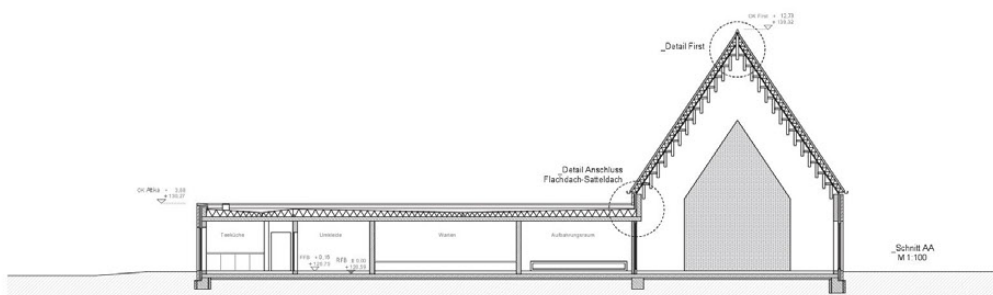
125x250 Funierschichtholz

_Detail Ortgang
M 1:10

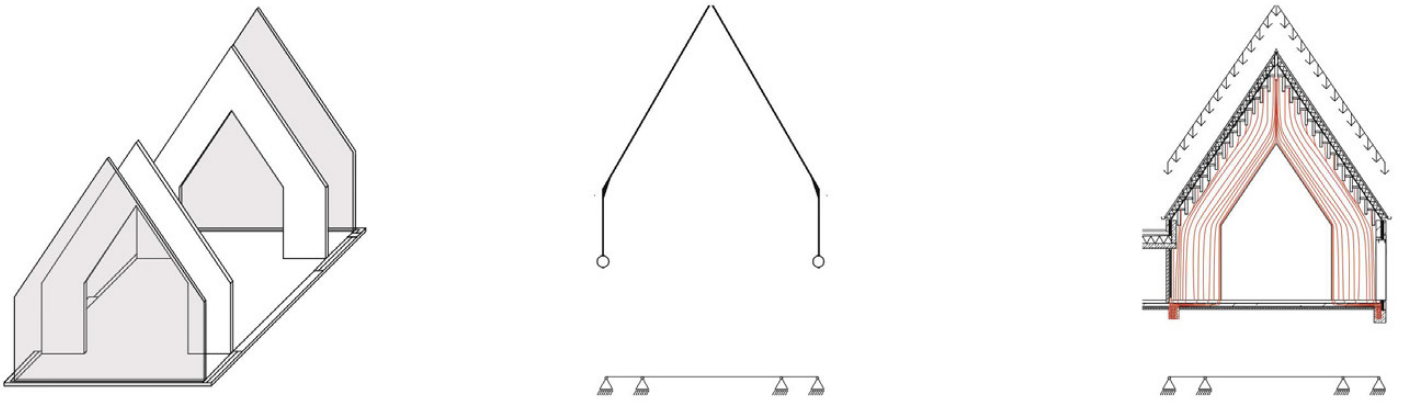
7 Doppelfelzdeckung Kupfer
Trennfolie
24 Brettschalung
60x40 Kontistattung
Unterspannbahn
220 Aufdachdämmung
Dampfbremse
OSB-Platte

_Detail Schnitt Dachhaut
M 1:10

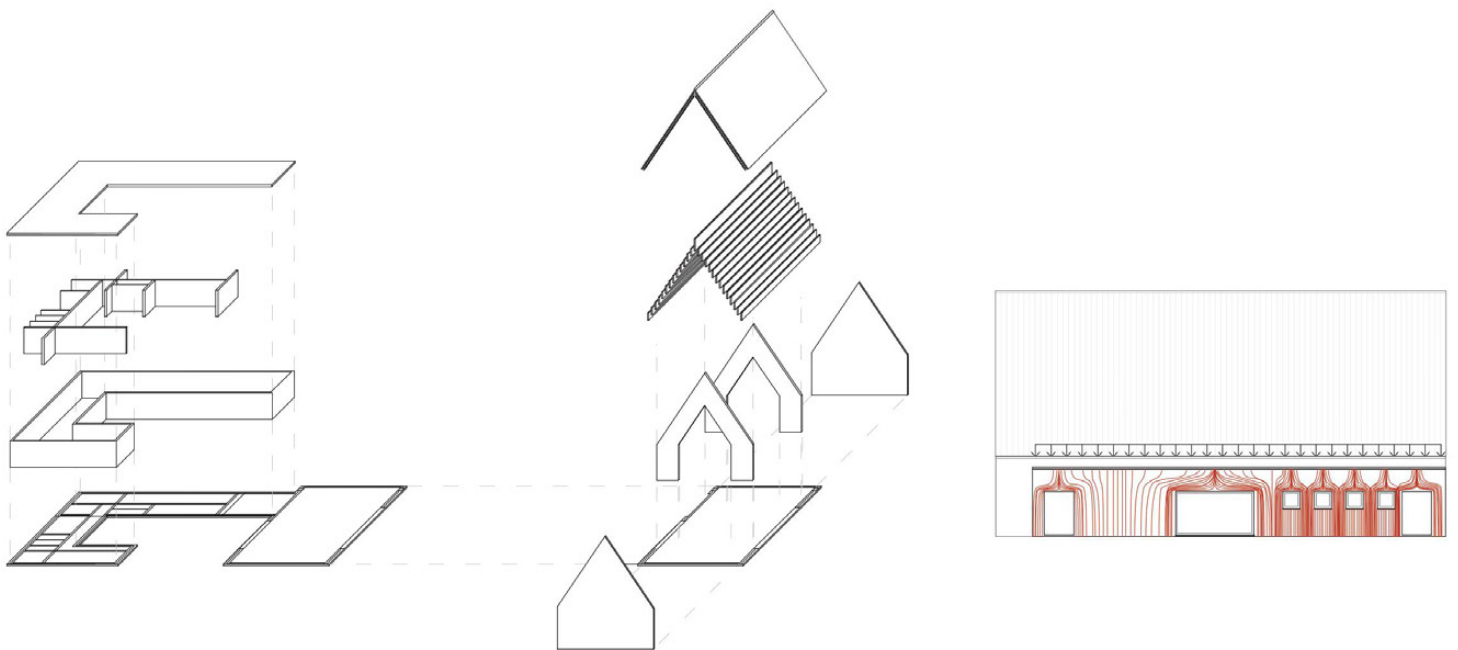
crest detail



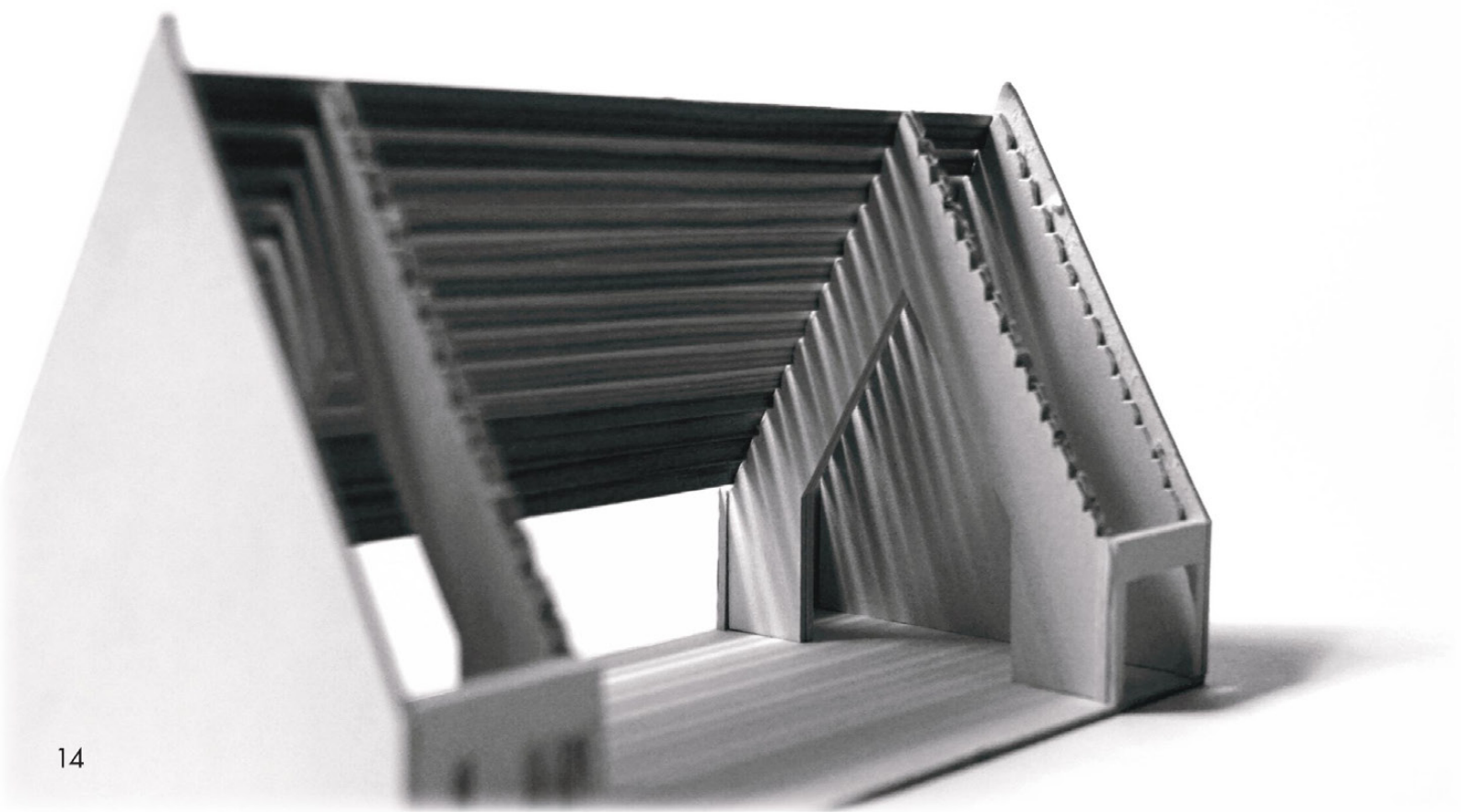
section aa



displaying of the masonry hatch and its appeared forces



exploded view drawing of the structure



Integrated Project II

accompanying professors: Prof. Bauer, Prof. Oberst
 supervisor: Dipl. Ing. Grotz

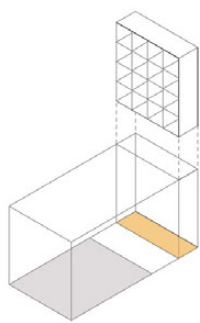
definition of task

material: timber
 topic: compact , contemporary family house
 requirements: fulfill the prescribed space allocation plan
 additive construction and the development of a possible settlement structure

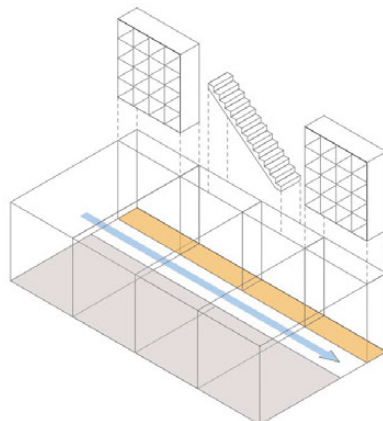
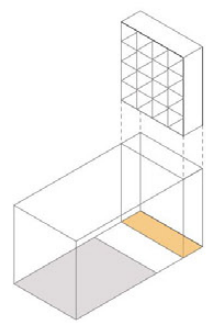
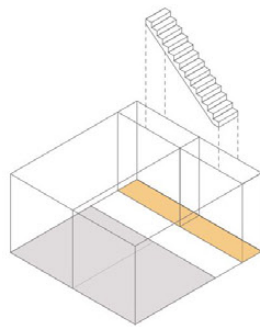


implementation

developing a module with a multi-functional cabinet zone speredated in an individual zone and an access corridor in the middle .
 linear sequenz of the modules to form an overall complex
 logical orientation of building openings :
 cabinet side : small windows / individual room : large windows



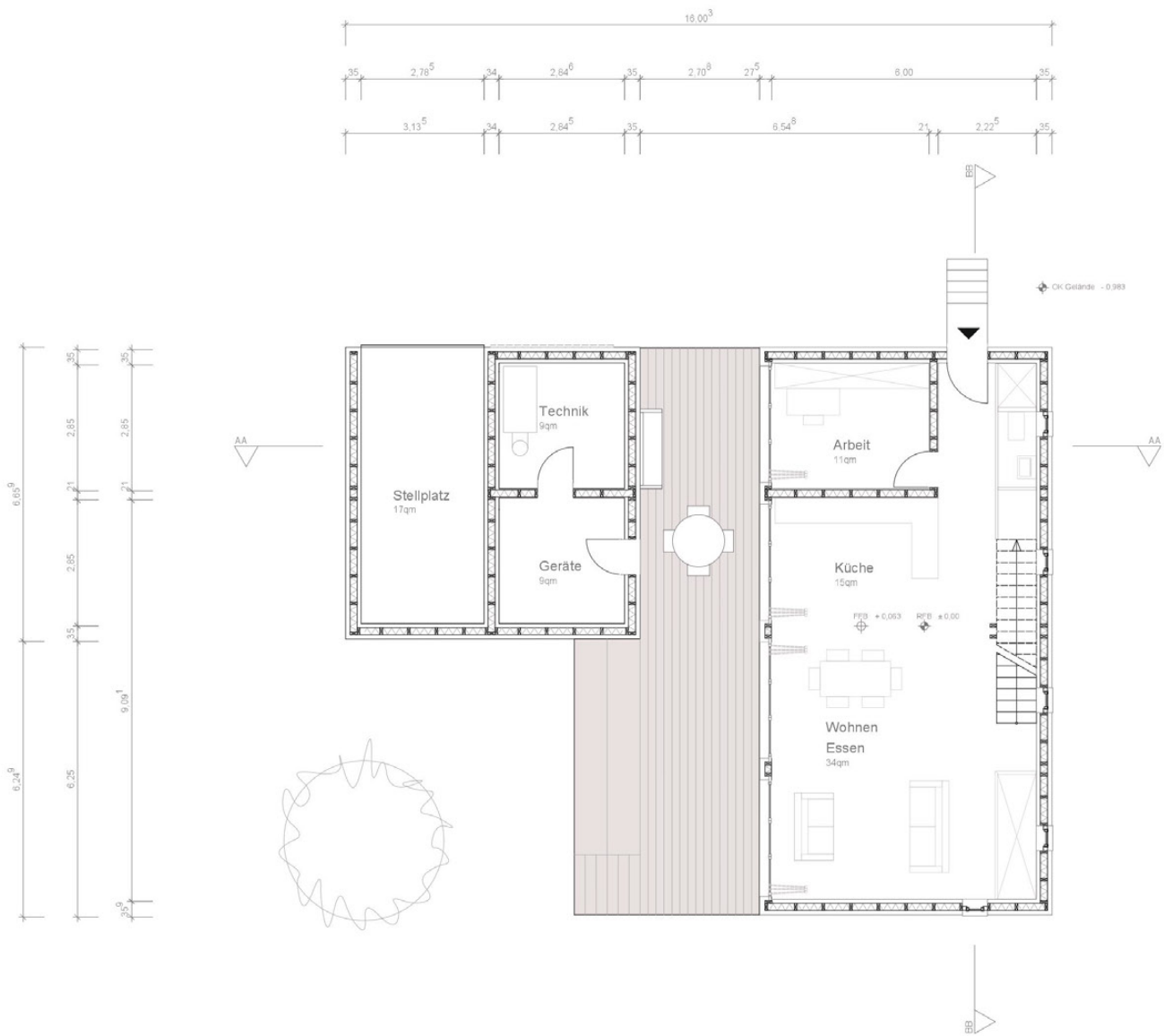
_Modul mit kompakten Abmaßen
 6,25m x 3,125m = 19,5m²



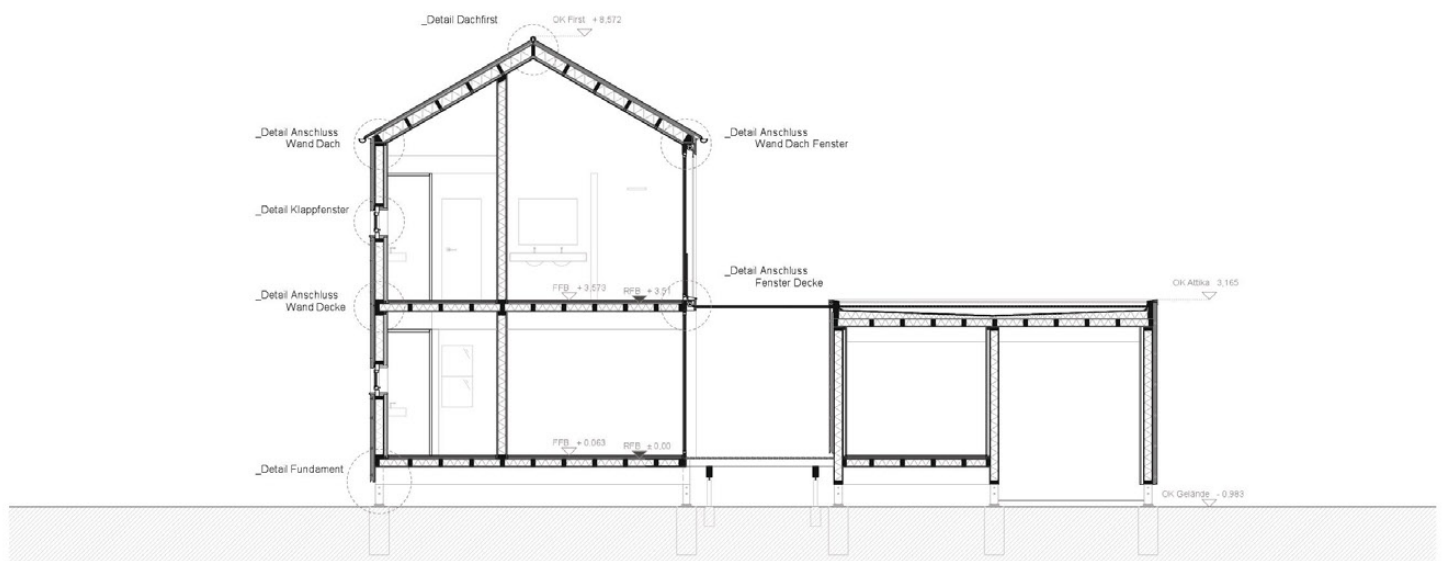
 **_Multifunktionale Zone:**
 Speisekammer
 Bibliothek
 Aufbewahrung
 WC
 Etagenschließung

 **_Individualräume:**
 Arbeit
 Küche
 Wohnen / Essen
 Bad
 Schlafen
 2x Kind

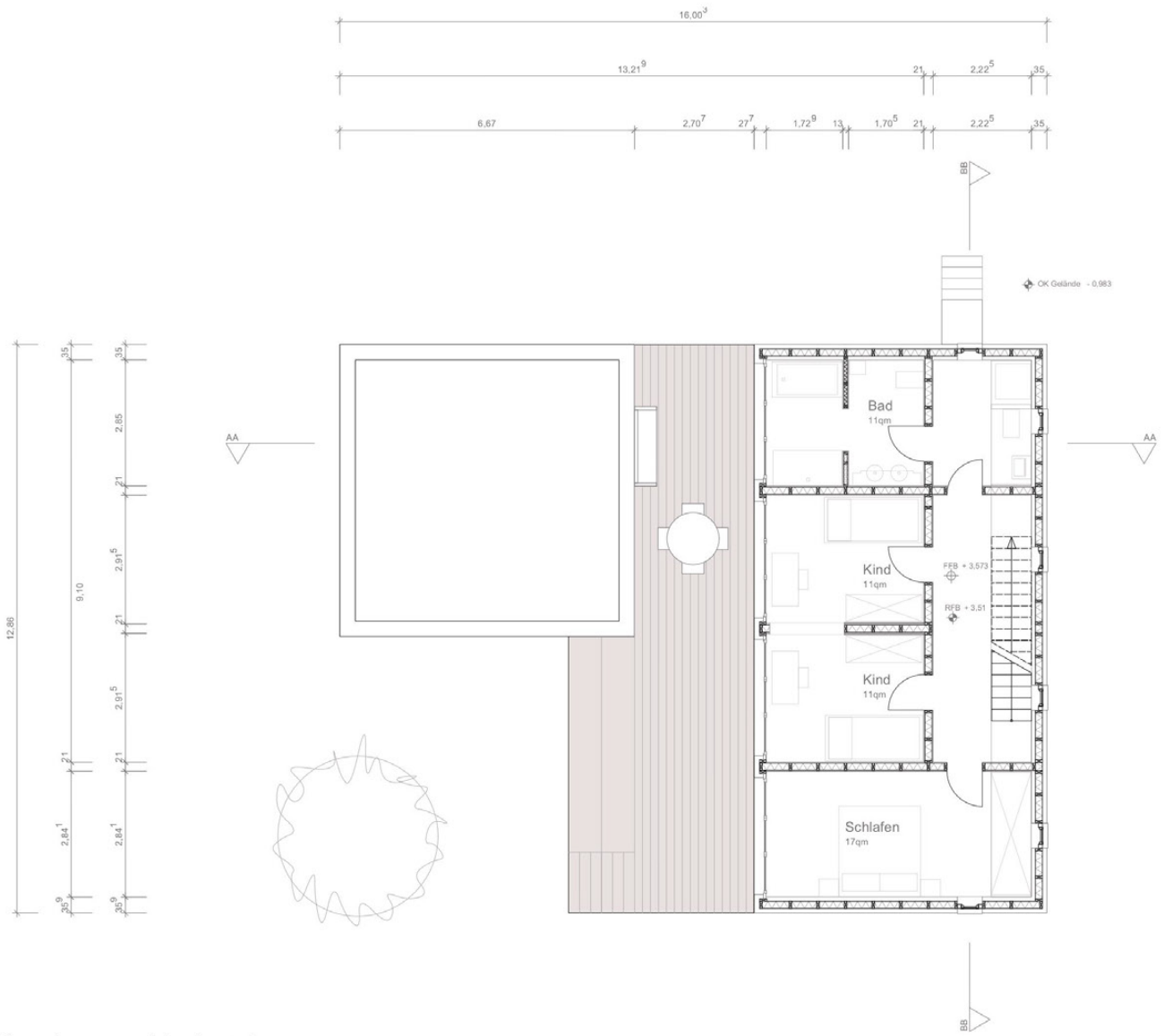
pictogram showing the modulesystem



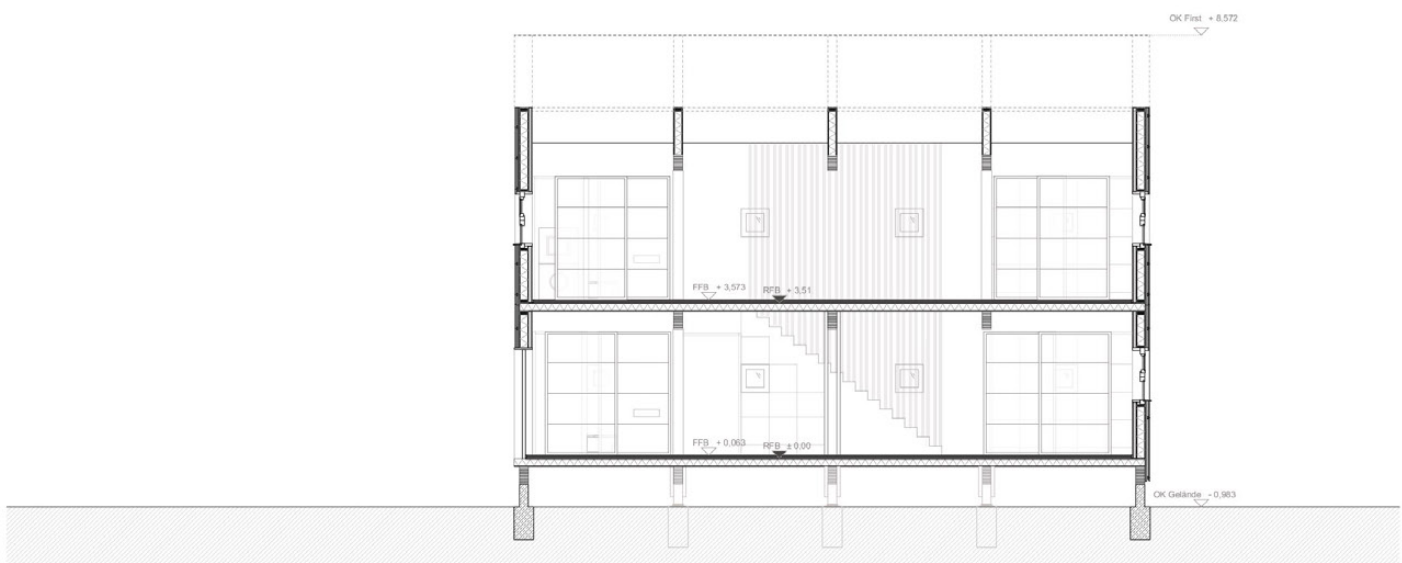
groundfloor (on a modular basis)



section aa



first floor (on a modular basis)



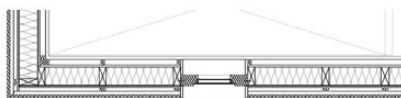
section bb



section / elevation module east

elevation / section module west

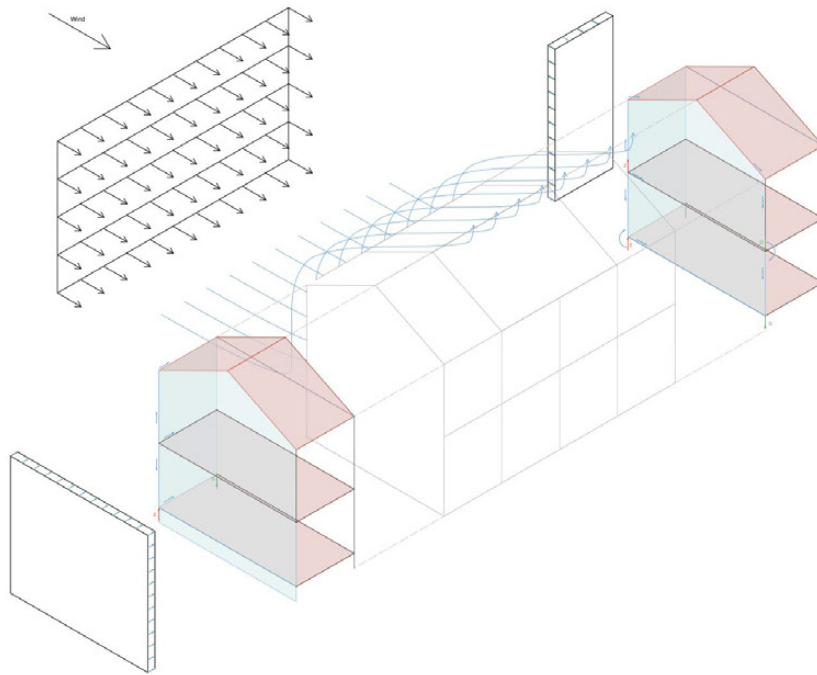
_ Ausschnitt Grundriss Modul
M 1:20



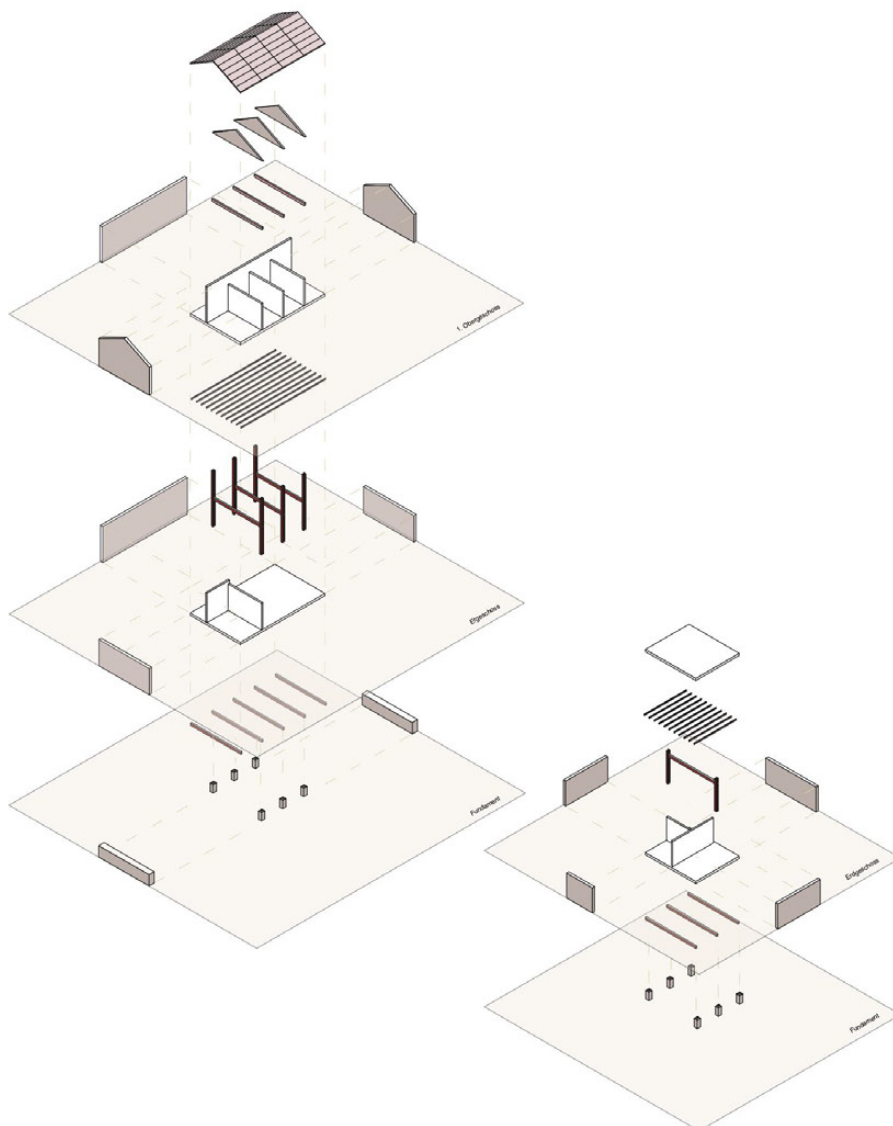
_ Ausschnitt Grundriss Modul
M 1:20



groundfloor



wind loads and their effects on the structure



exploded view drawing of the structure



Urban Development Project II

accompanying professors: Prof. Hähnig

definition of task

location: Plieningen, Stuttgart - Hohenheim
requirements: developing a concept for the given location
analyse the surroundings and the given conditions

implementation

the idea was to take the existing rectangle framed by the avenue to put in another smaller rectangle which is twisted.

through the resulting triangular surfaces, a smooth transition and therefore a reference is provided to the green space landscape.

the twist creates an exciting urban structure with interesting and different variations of quarters .



graphical representation of the conceptually intent



excerpts from the analysis





photography of the urban model



hand sketch



development concept

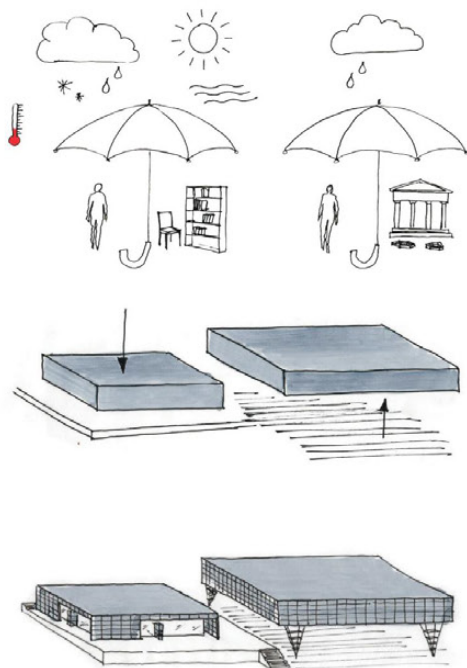


Integrated Project III

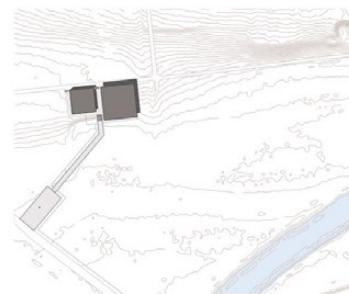
accompanying professors: Prof. Jehle, Prof. Löffler
 supervisor: Prof. Jehle

definition of task

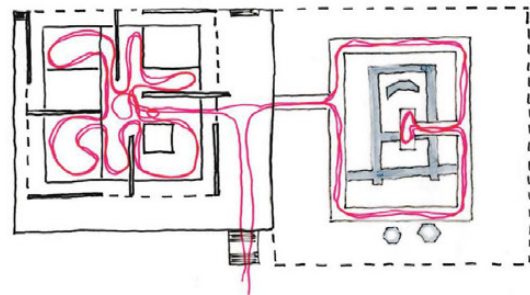
- material: steel
- topic: shelter with info center for Apollo Granus mineral springs in Neuenstadt
- requirements: fulfill the prescribed space allocation plan
- elaboration considering:
 - building construction
 - building physics (protection against solar, moisture, sound)
 - building engineering (drainage concept, freshwater concept)
 - supporting structure (calculating snow-, wind-, dead-, trafficloads)
 - sensitivity to the environment



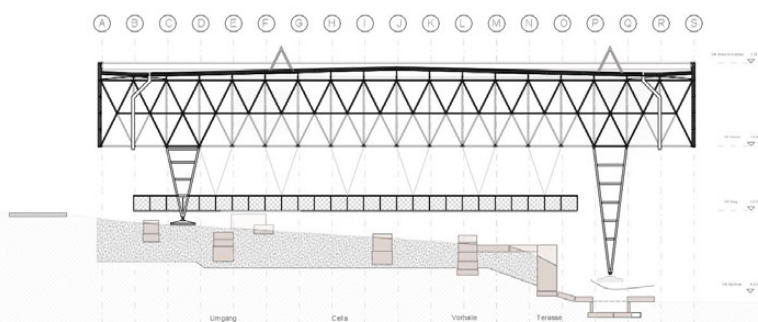
concept

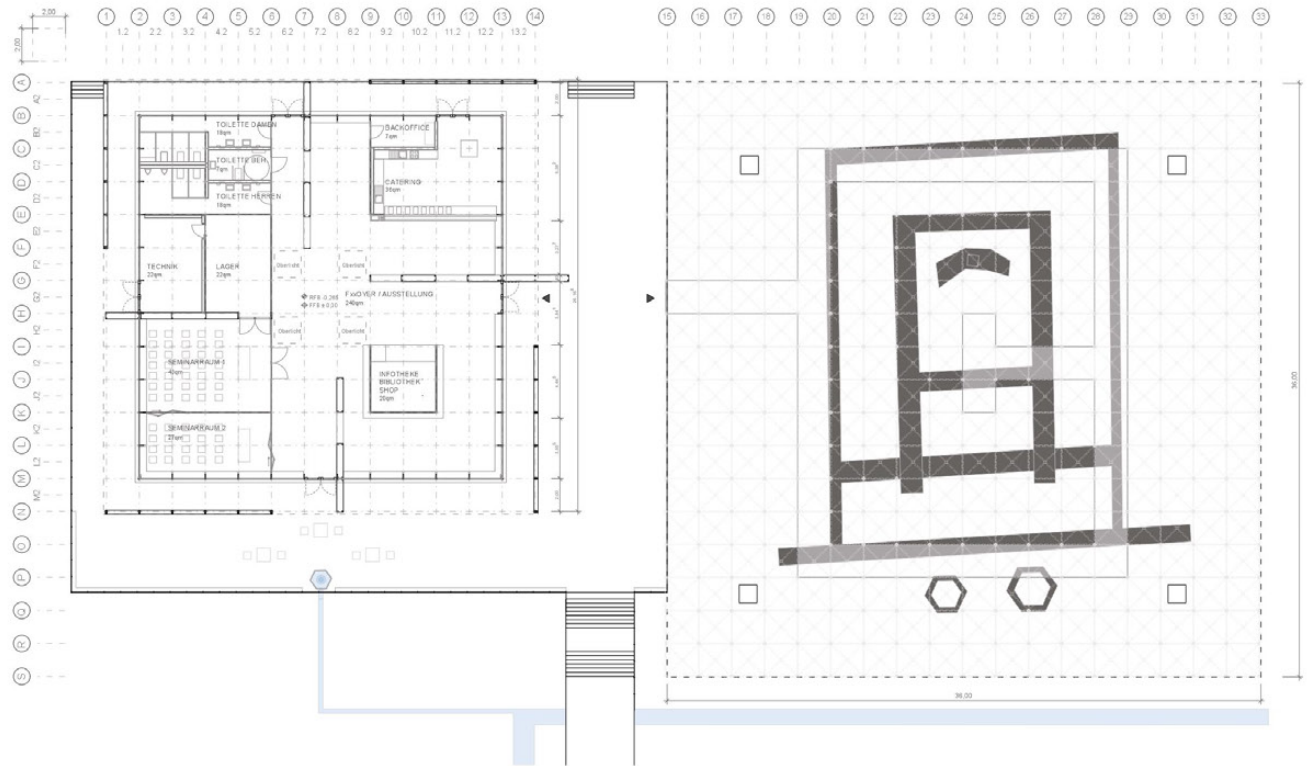
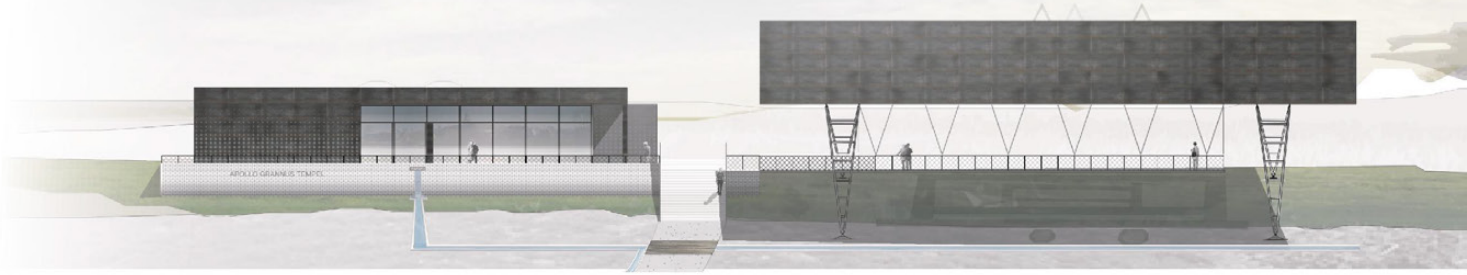


site plan

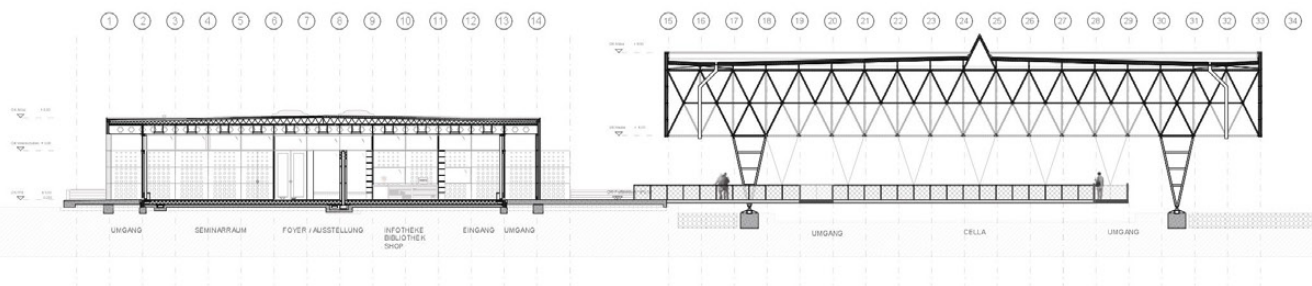


concept



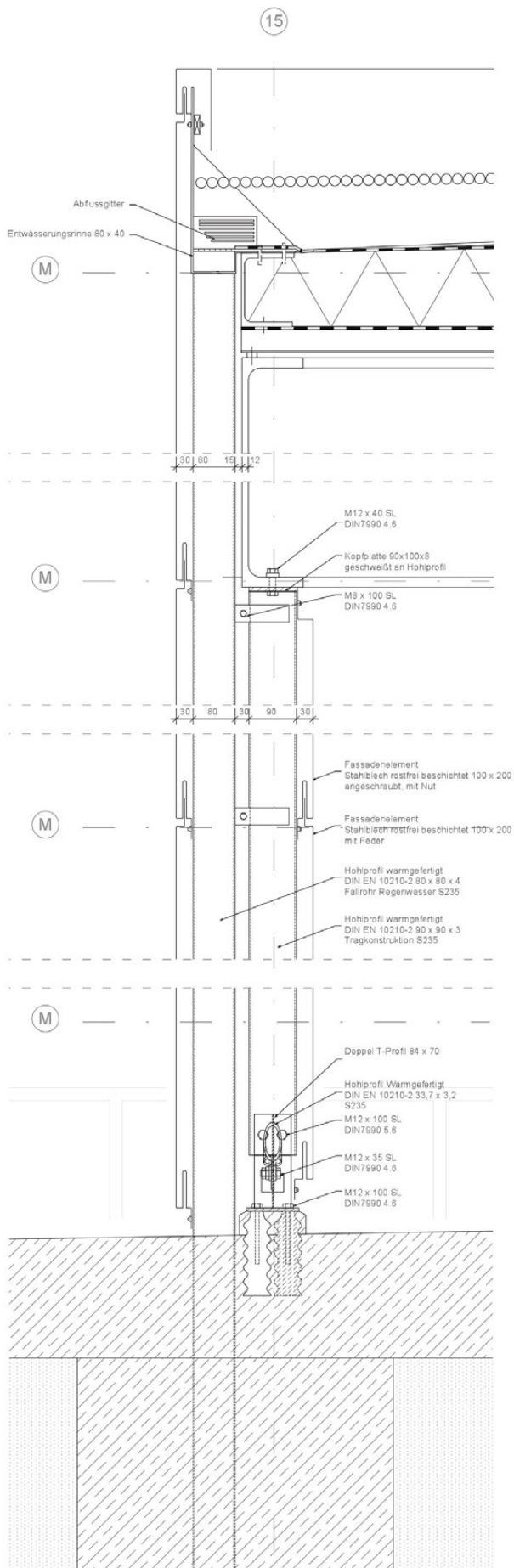


groundfloor

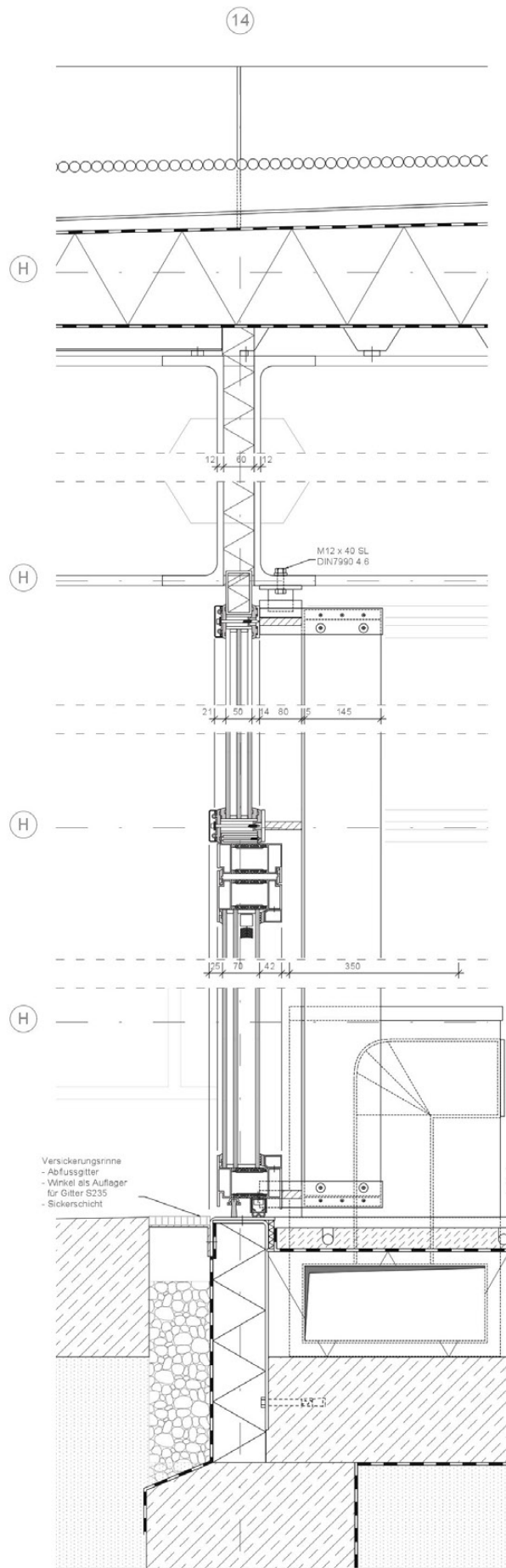


section aa





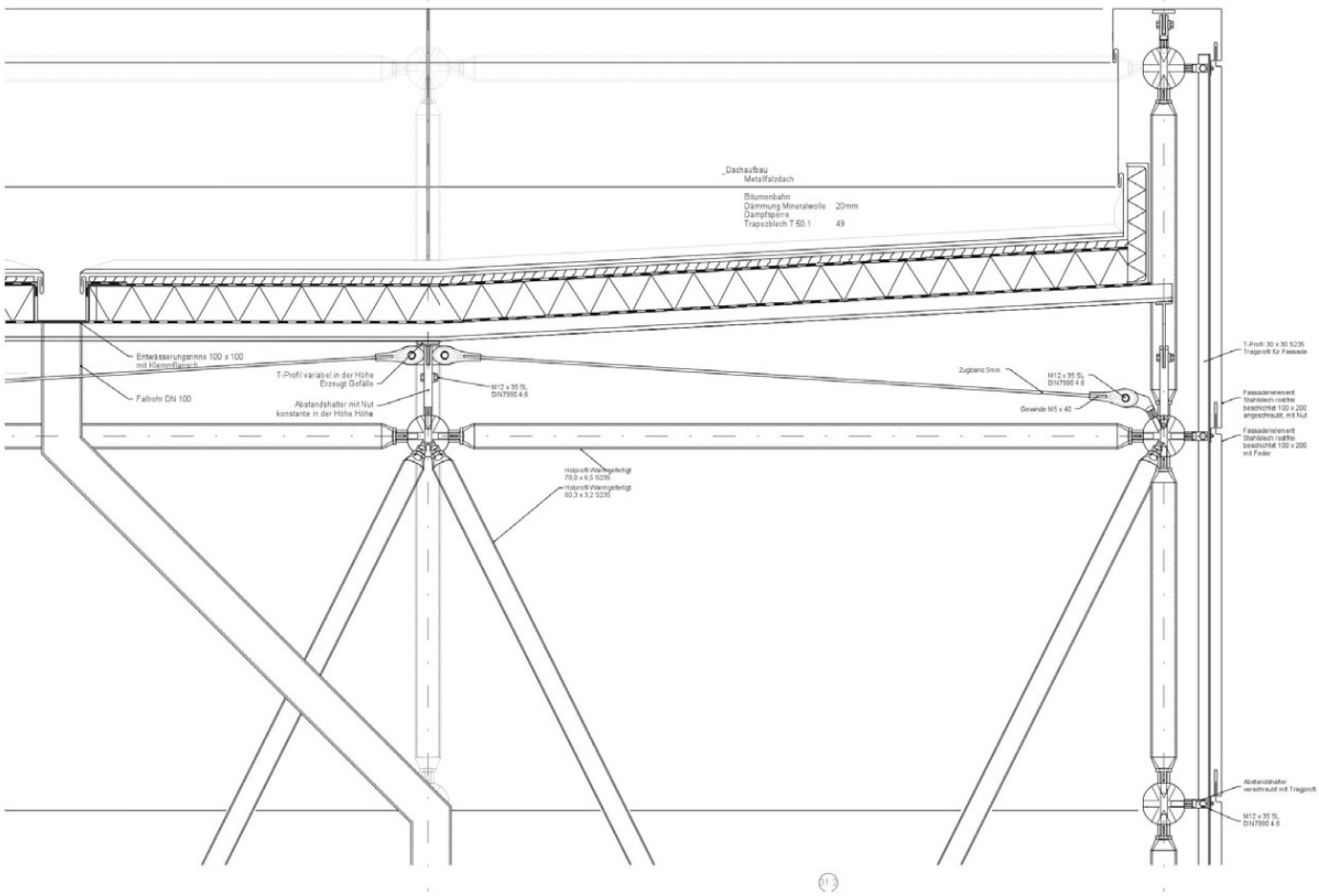
Detail (excerpt 3-panel projection)
supporting wall bulkhead /
drainage channel



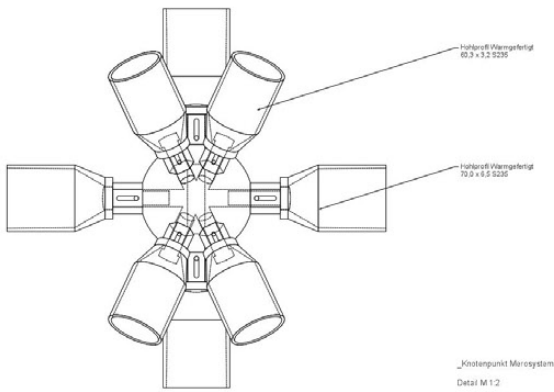
Detail (excerpt 3-panel projection)
Facade cut / split U-beam against thermal bridge

33

34

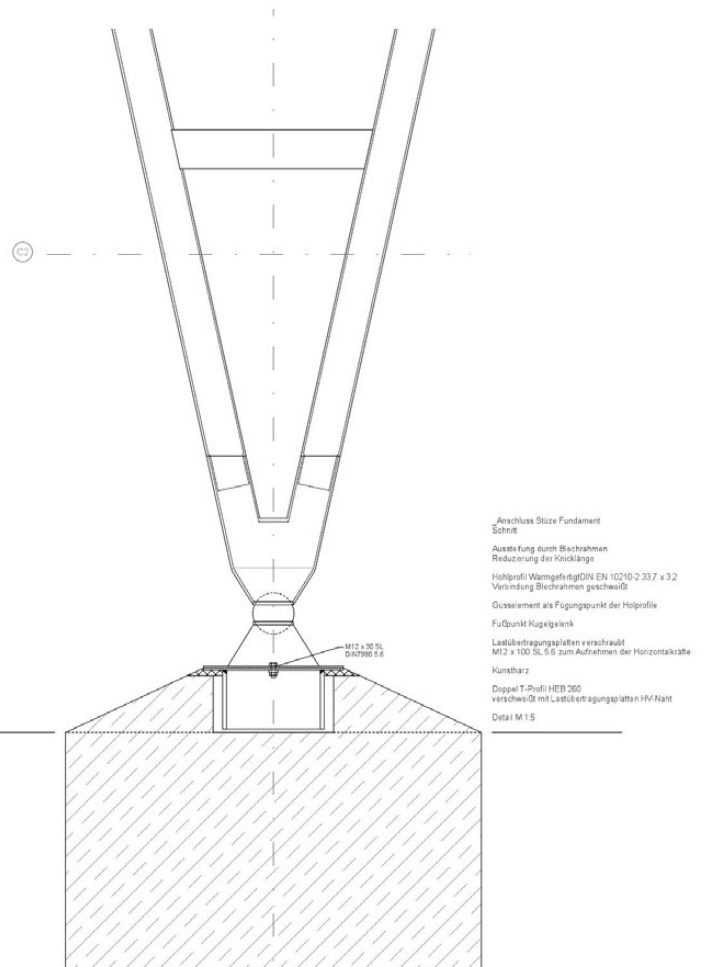
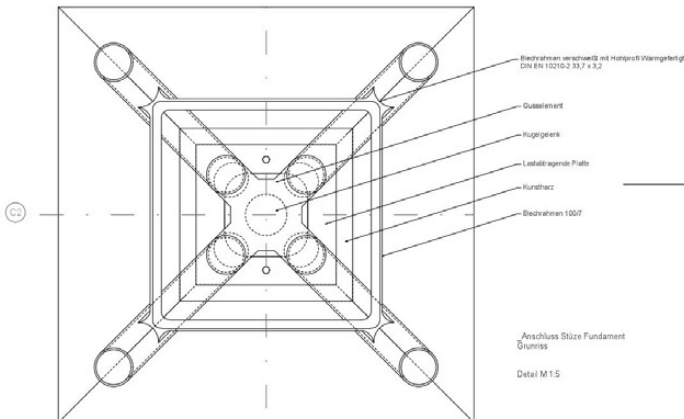


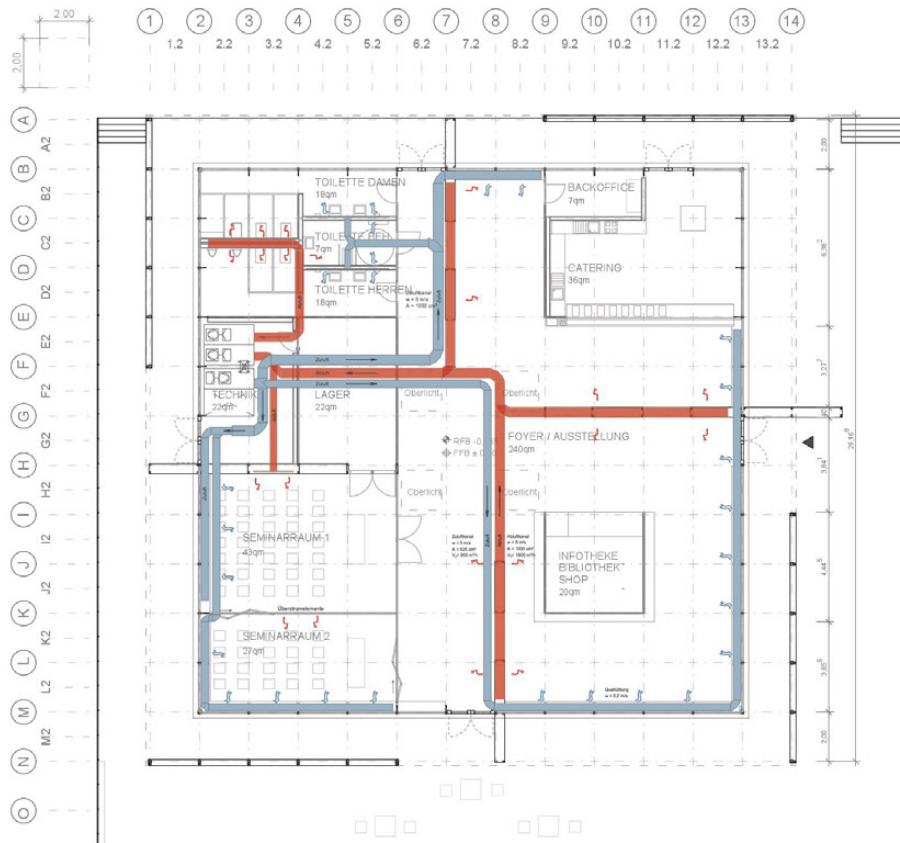
Detail Attica/Merosystem with stiffening of the Roof structure construction



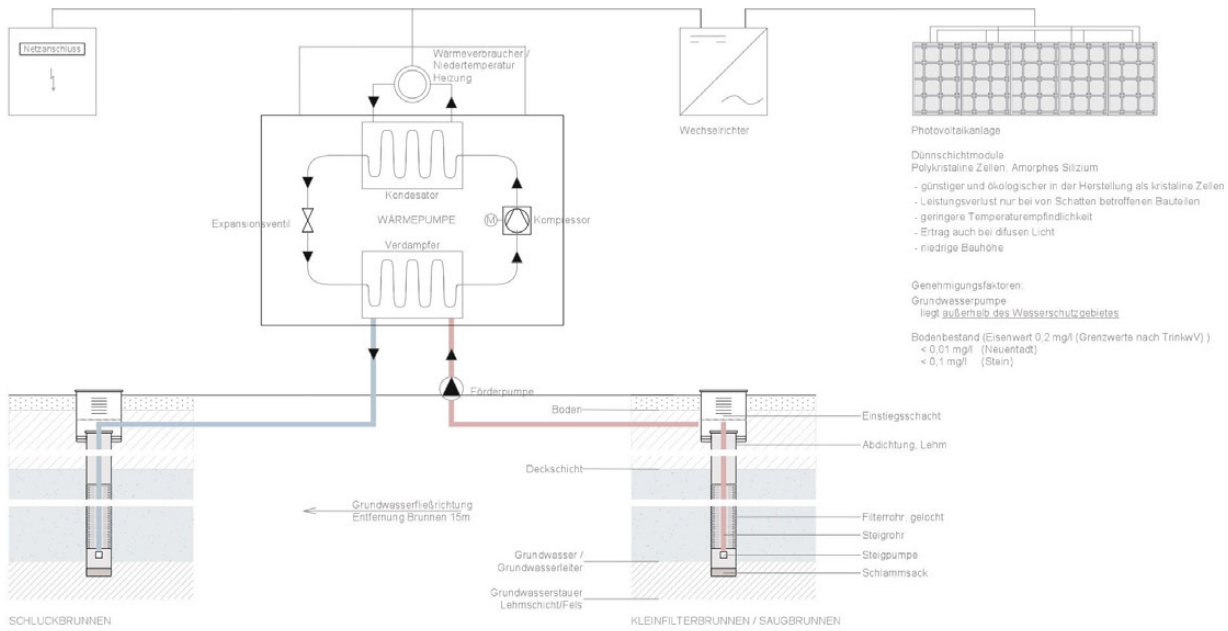
Detail Meroconnection

Detail base support in plan and section

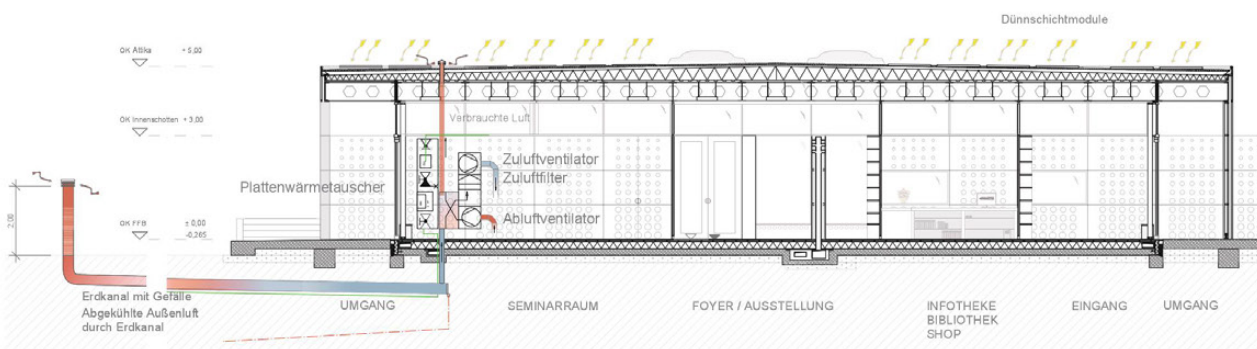




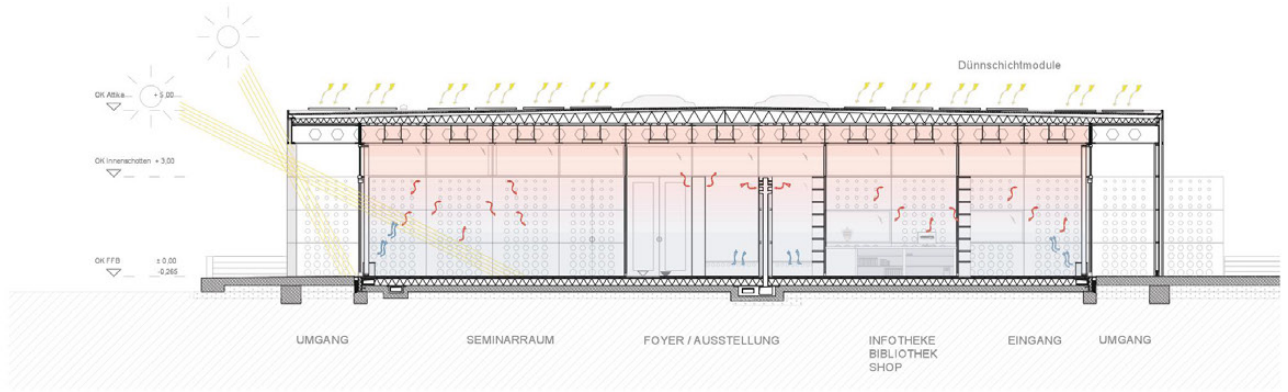
Ventilation concept supply air via benches / exhaust air via inner wall bulkheads



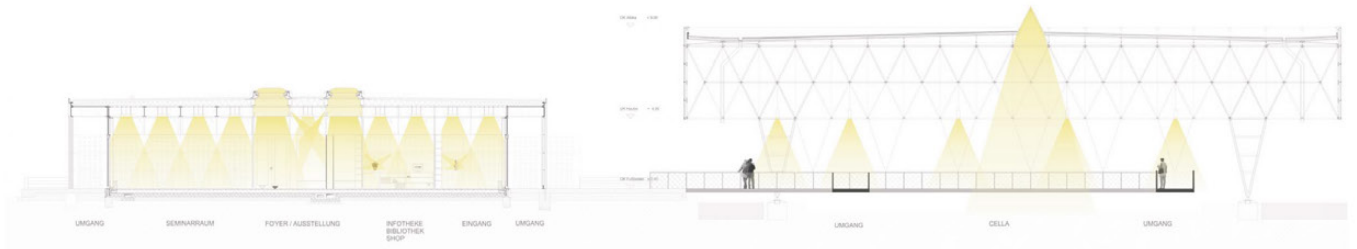
Groundwater pump / heat pump schematic drawing



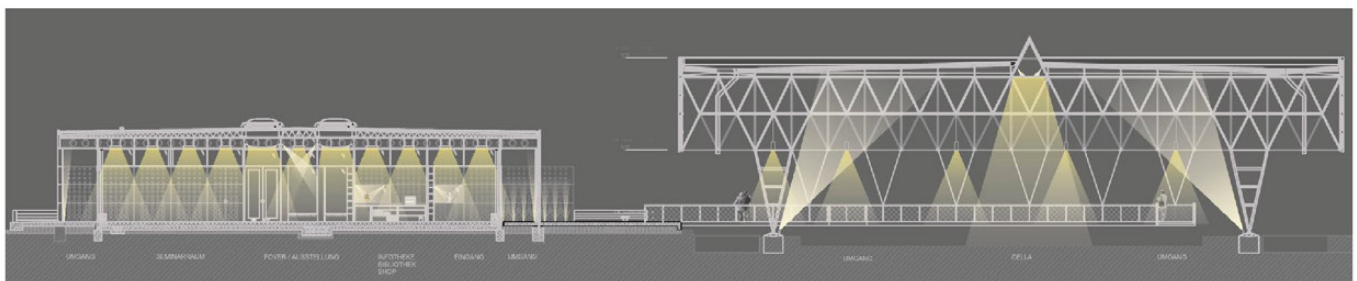
Earth channel schematic drawing summer case



Ventilation scheme section



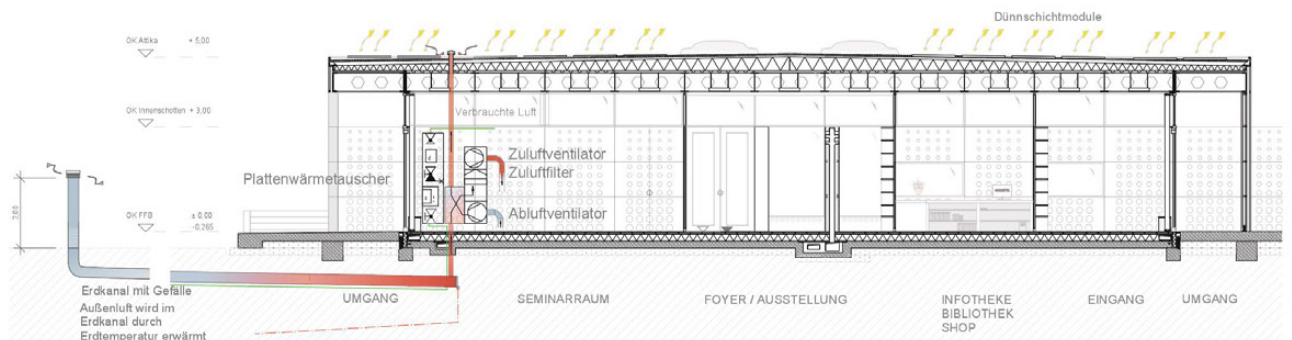
lighting design section during day



Lighting design section at night



lighting concept
 square reflectors enhance the strict screening of the support grid.
 bright ceiling - dark floor = safety



Earth channel schematic drawing winter case

Design III

accompanying professors: Prof. Kappai, Prof. Chestnutt, Prof. Zimmermann

definition of task

location: Böblingerstraße, Heslach in Stuttgart

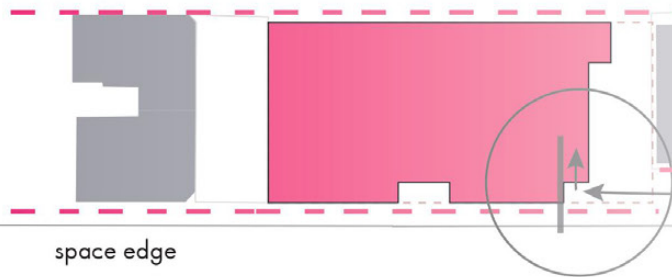
task: Youth house with prescribed room program

implementation

Regarding this proposal, consideration was given to the existing offer of the already existing YOUTH HOUSE in HESLACH.

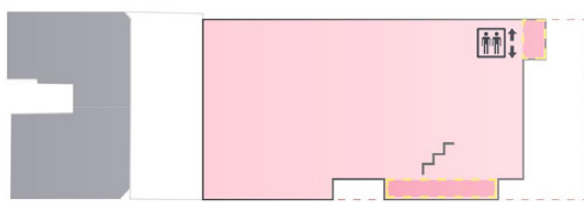
For example, a number of seminar and group rooms have been assigned suitable uses that the Youth Center in Heslach can already offer.

In addition, two rooms have been added to the building, for which the youth house is also suitable for larger events.



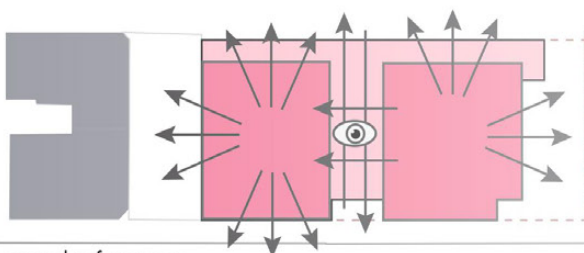
The building takes up edges of space and directs the people coming from the subway into the interior.

space edge



The development cores were deliberately set isolated from the building to the outside, this allows a free Raumgestaltung.

path development



Building cubature enables a wide variety of visual relationships between inside and outside across floors.

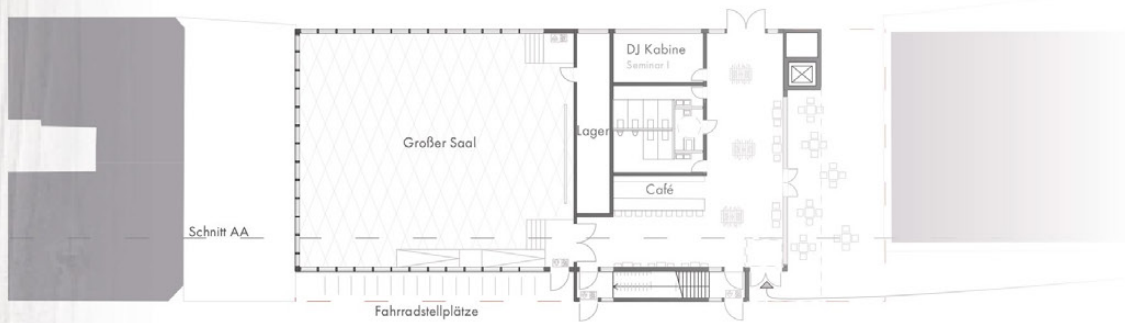
visual references



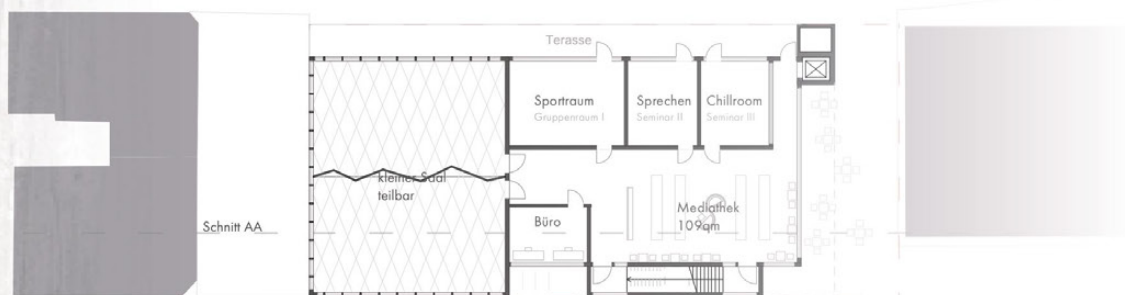
view south



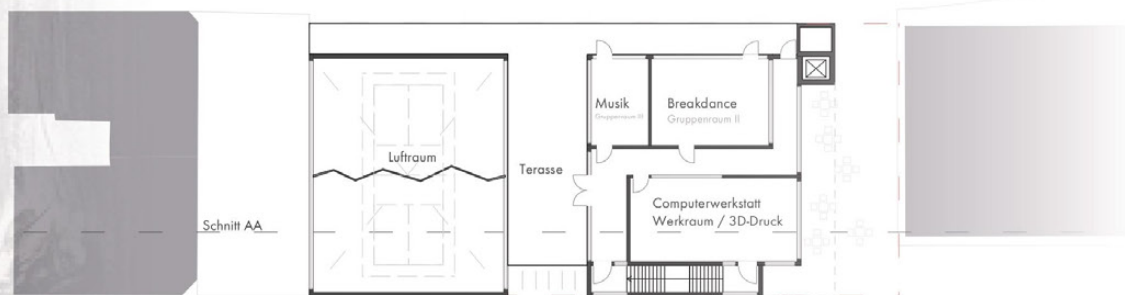
section AA



ground floor



first floor



second floor

Bachelorthesis

accompanying professors: Prof. Kappai , Prof Buchmann

definition of task:

location: Tübingen am Neckar

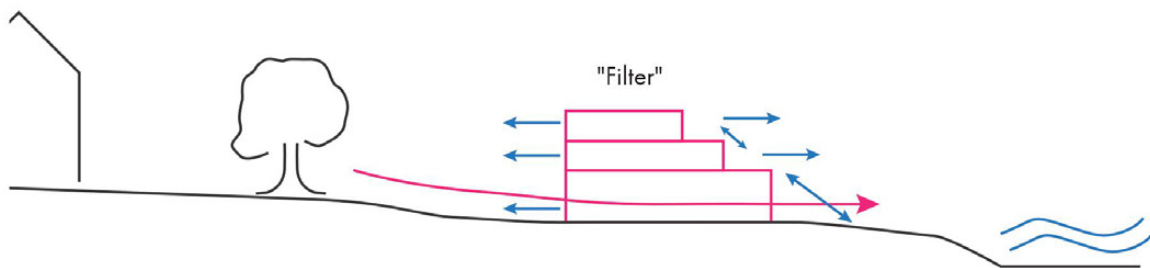
task: Living together nearby the Neckar (Single parents | Refugee apartments | Social housing)

implementation

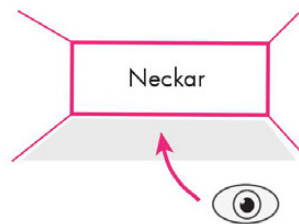
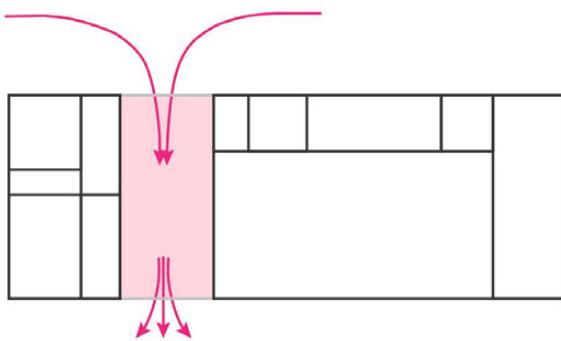
The building should function like a FILTER and combine both Park and Neckarseite. The generously dimensioned public passage accompanies the visitor to a WONDERFUL VIEW over the NECKARBANK. The passage frames the picture of the Neckar.

The TRACK-RESISTANT SUPPORTS have been positioned behind a GLASSFACADE, leaving the FRAME picture undisturbed.

The weight is on the south / Neckar side, so that the building responds with a Abtrepung. This results in large-scale loggias that allow an OPTIMAL view of the Neckar river. Moreover, in the sense of INTEGRATION, advancement promotes COMMUNICATION between the floors and even the public outdoor area.



Communicative building
Filters the beautiful aspects of the environment



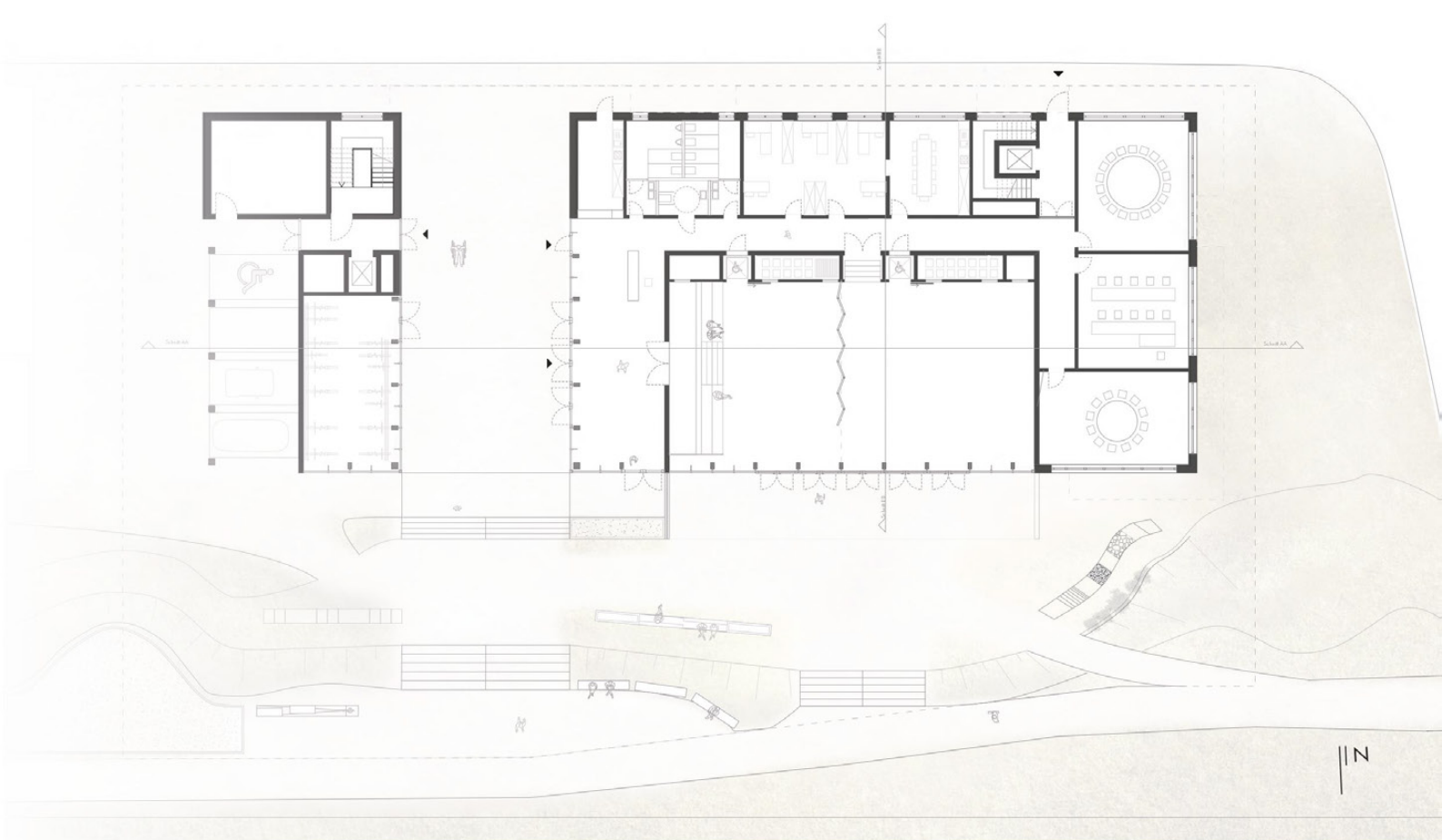
Passage = catalyst
frames the view



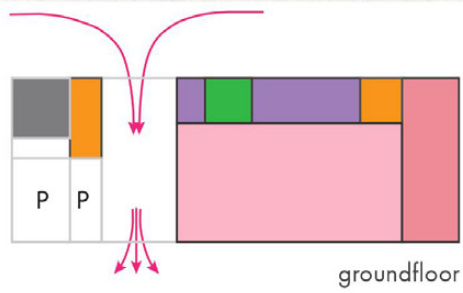
Visualization external perspective



Visualization Loggia | Sunscreen Reflection



floor plan groundfloor



Public uses:
 public passage,
 Multifunctional hall,
 Group rooms,
 Offices,
 toilets



section AA



view south



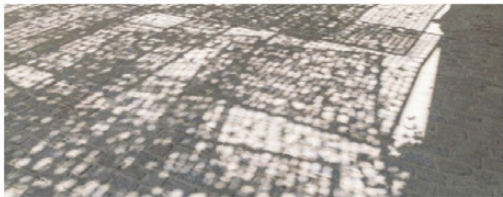
Wooden facade (vertical lathing)



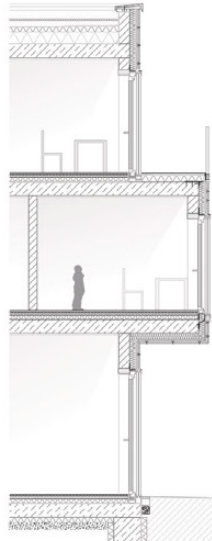
Window sunshade (movable)



braided metal. Sun protection (pergola)



Sunscreen reflection (pergola)



detail section

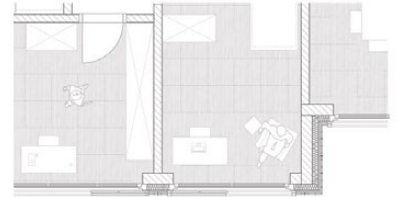
Construction

For the structure was, for ecological reasons, among other things, set on MANSORY, which is covered with a STEELCONCRETESEELING.

For the large hall, a CARRIER RUST in WOOD is provided, which spans the space almost column-free. Since this is a TRADITIONAL TRACTOR, in the south the columns run along the mullion bar facade. On the north side, the masonry serves as a support and stiffening. The stability is ensured by the massive walls that surround the room to the south facade. The mullion bar facade dissipates the horizontal wind loads over glass swords.



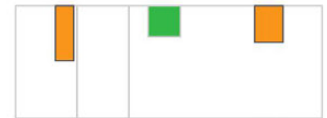
East view (enlarged)



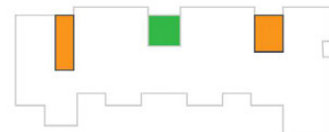
section BB



view east



ground floor



first floor



second floor

access cores

main drainage (bundled)

The main drainage points have been stacked for efficiency

P1 - backstage

accompanying professors: Prof. Wulf , Prof Buchmann

definition of task:

location: Stuttgart Opera, backstage building

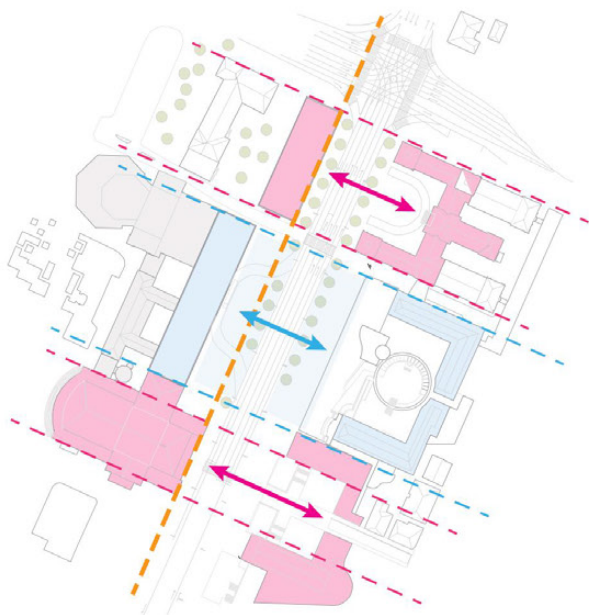
task: Replanning the scenery building of the Stuttgart Opera | Theatre House

implementation

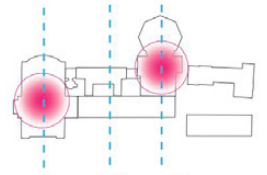


TYPOLOGICALLY, the scenery building is an industrial building. It mainly produces scenery / props etc. for both, opera and theater. Consequently, the scenery building of the urban planning context should be an efficient industrial construction with the claim to external aesthetics that also meets the needs of the surrounding area.

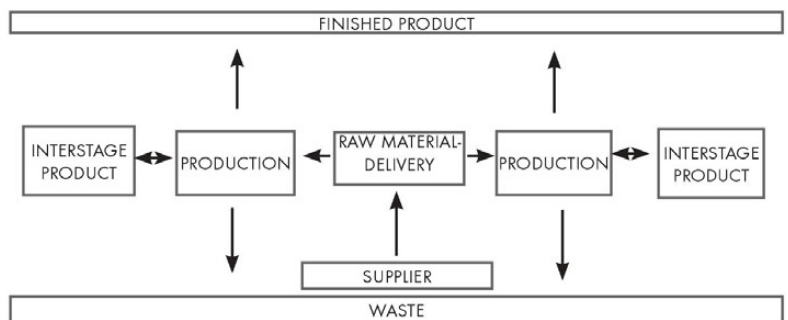
A COMPACT DESIGN supports the functionality. Because the scenery house serves 2 theaters, short distances are worth aspiring. The reason why an elongated structure was chosen. It perfectly combines FUNCTIONALITY, USEFULNESS and the PROCESSING OF PROCESS CHAINS. Thus, the scenery building takes back and leaves room for the public space without losing efficiency.



A serving building

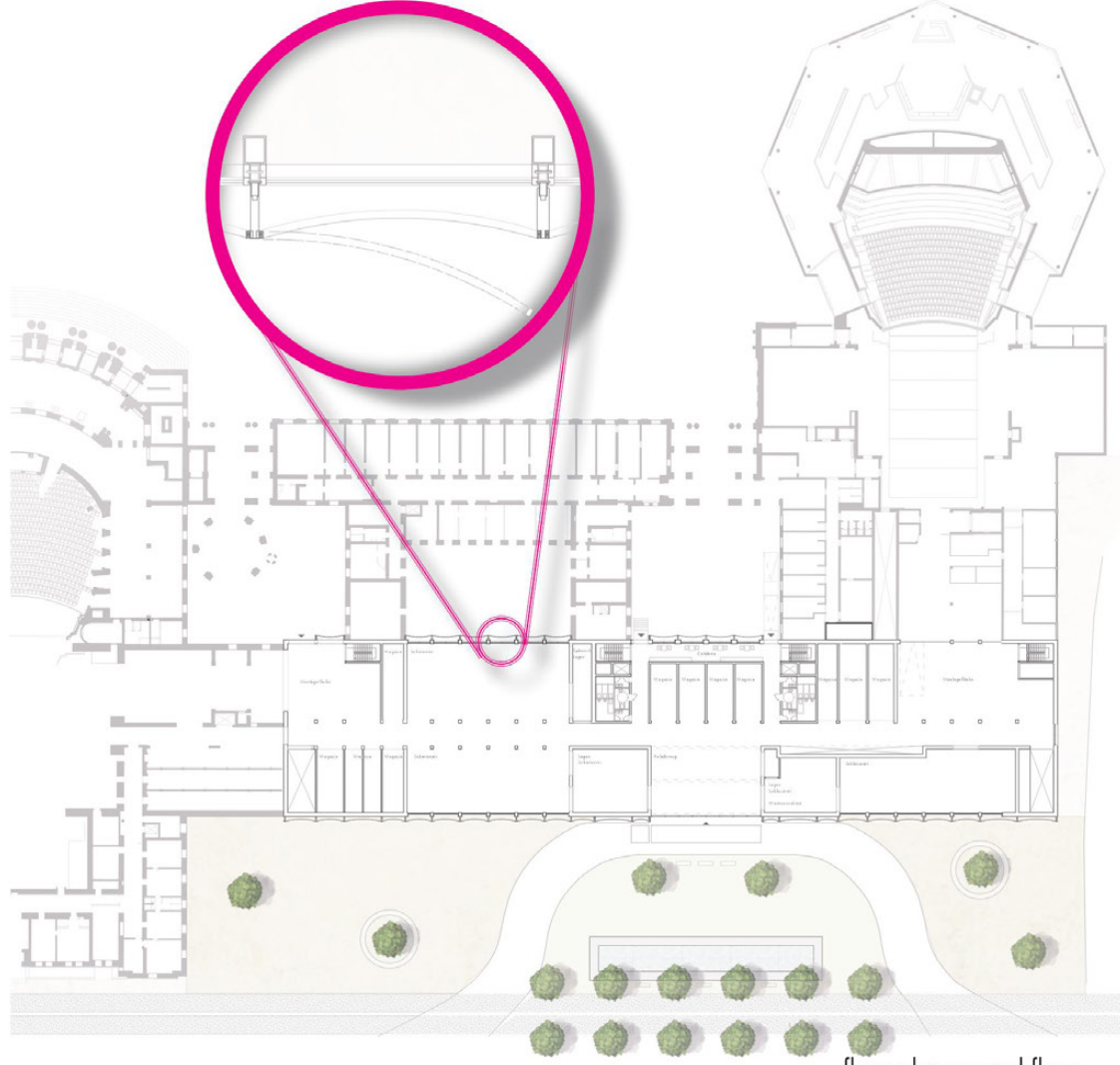
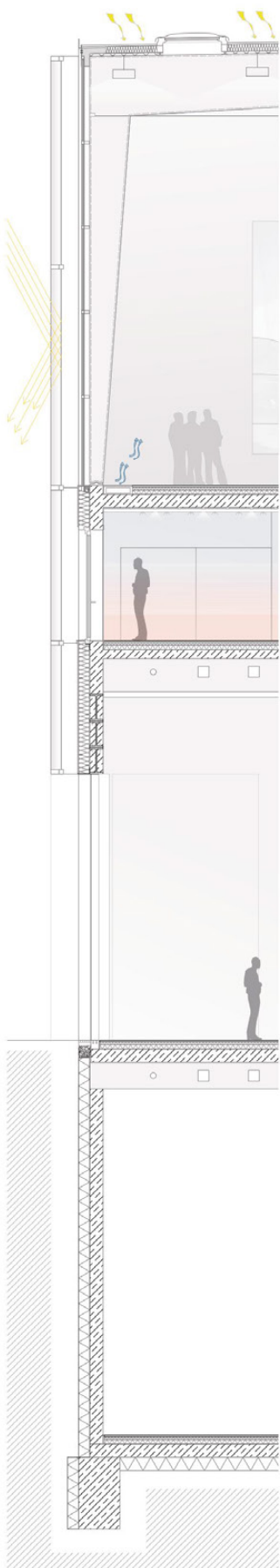


two different focuses

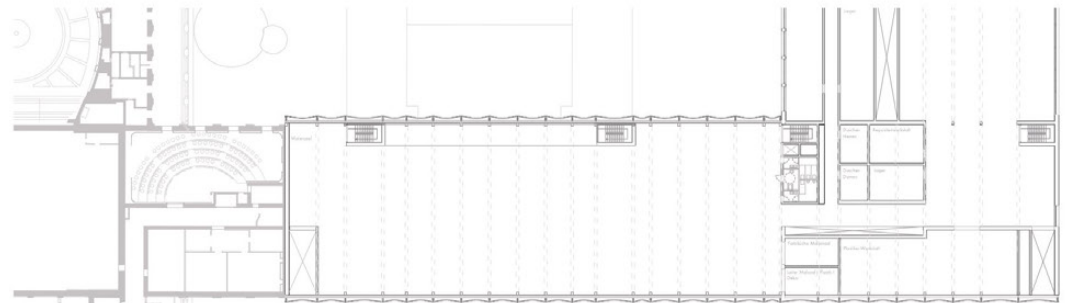


schematic drawing production process

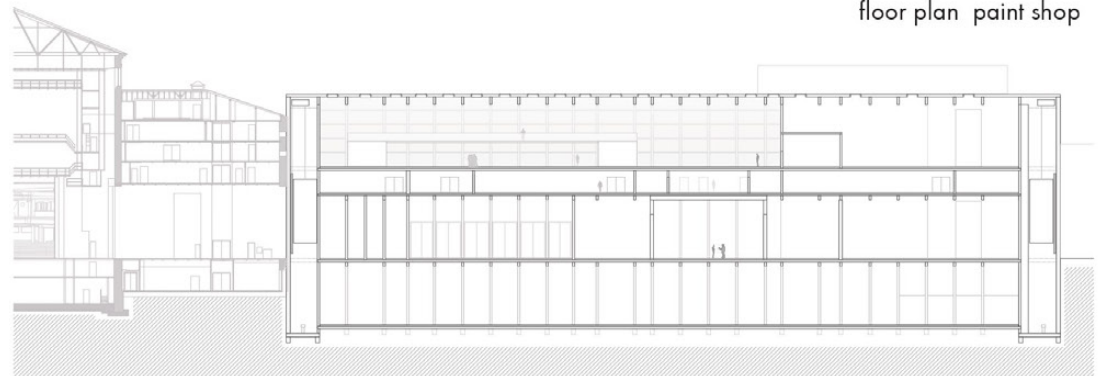




floor plan ground floor



floor plan paint shop



section



P3 - Creative Quarter Munich

accompanying professors: Prof. Dr. Ing. Laux, Prof. Roser

definition of task:

location: Munich, Creative Quarter

task: Developing the creative quarter, while considering the existing buildings.

implementation

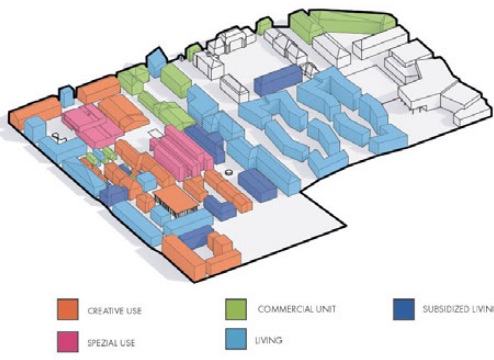


The conceptual approach lies in the idea of analyzing the identity of the neighborhood and preserving it. Unlike the usual urban development, a large part of the existing buildings was preserved and supplemented with new buildings.

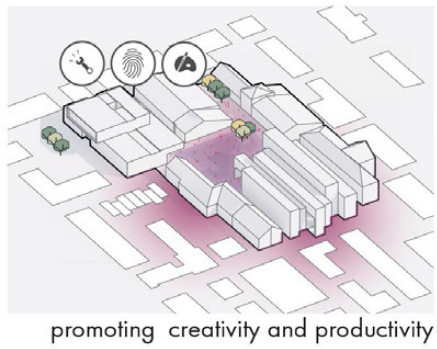
Care was taken to replace the rooms and edges of the renovated buildings with the new buildings. Spatial situations which have qualities e.g. Places have been carefully analyzed, positive aspects reinforced and attention paid to good transportation and development.



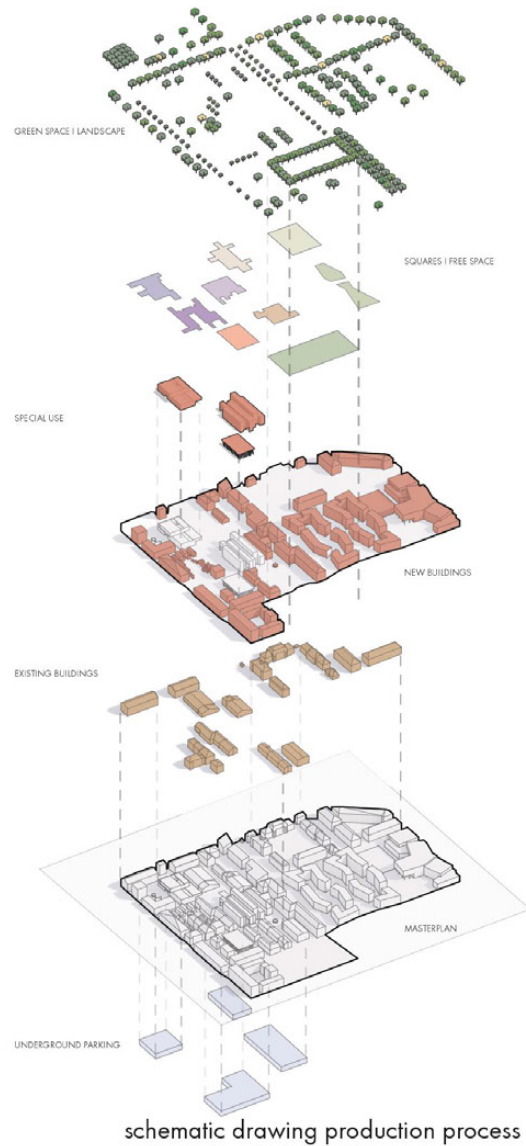
Schwere-Reiter-Straße Mocca CQ-Square theatre theatre park section



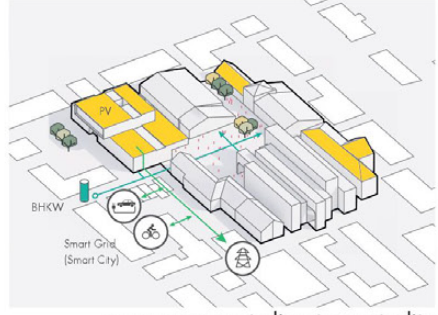
CREATIVE USE COMMERCIAL UNIT SUBSIDIZED LIVING
SPECIAL USE LIVING



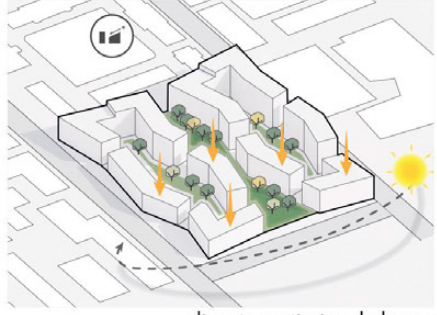
promoting creativity and productivity



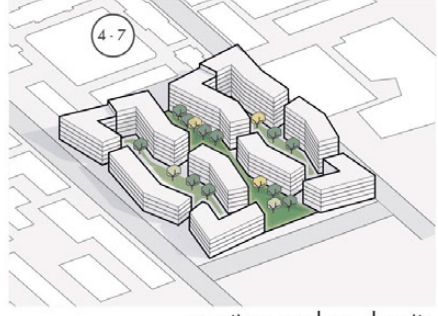
schematic drawing production process



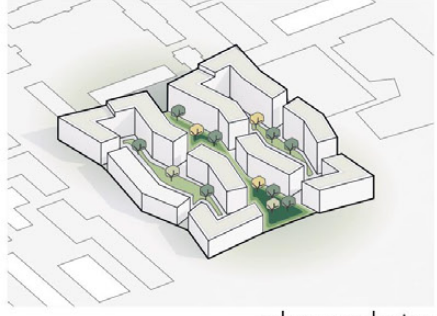
energyconcept climate neutrality



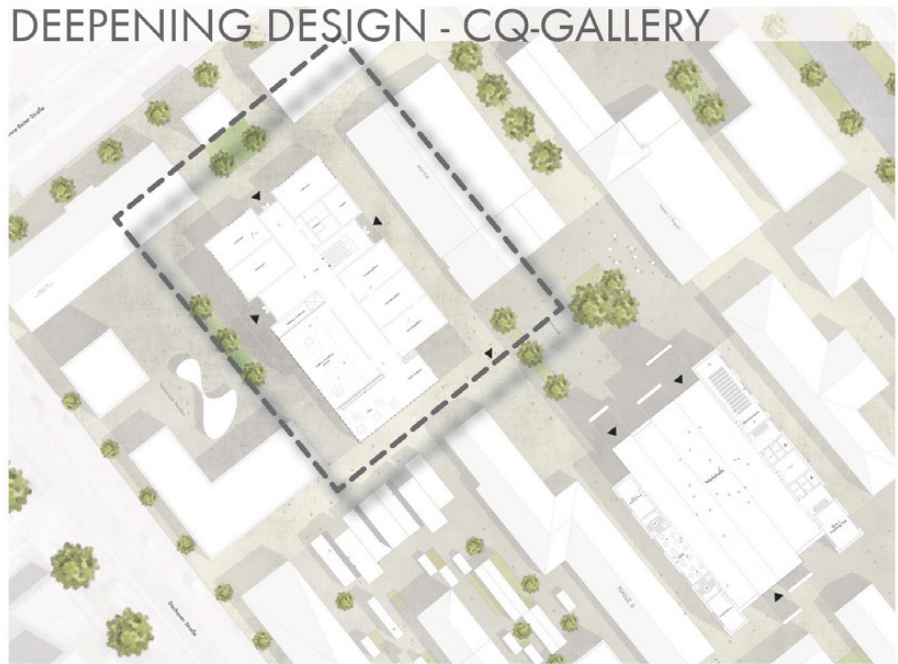
climate-optimized shape



creating a urban density



urban gardening



DEEPENING DESIGN - CQ-GALLERY



floor plan paint shop



Masterthesis - Art Gallery

accompanying professors: Prof. Wulf, Prof. Roser

definition of task:

location: München, Kreativquartier

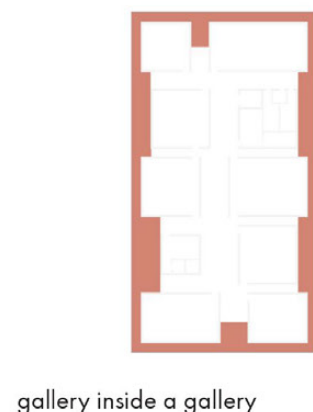
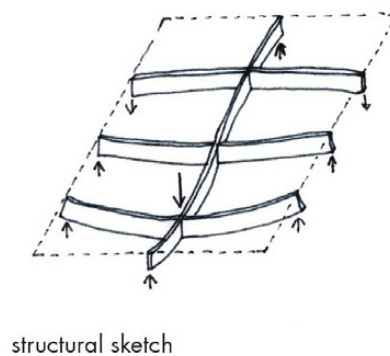
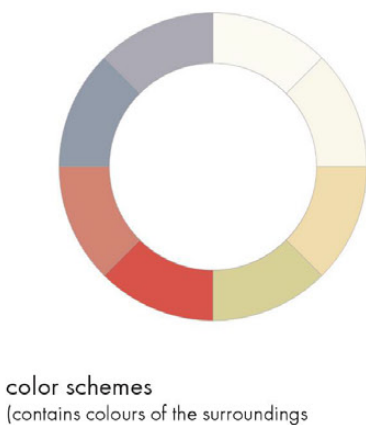
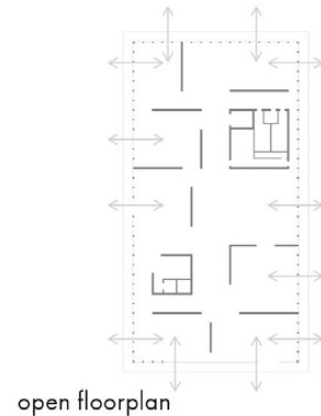
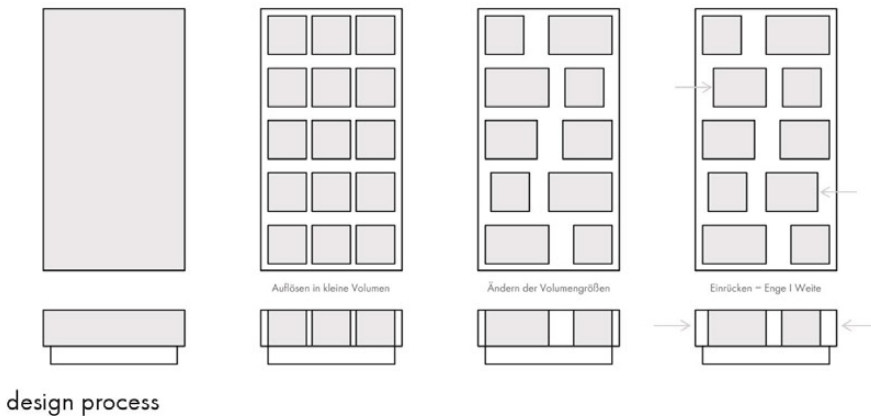
task: Development of the creative district taking the existing buildings into account.

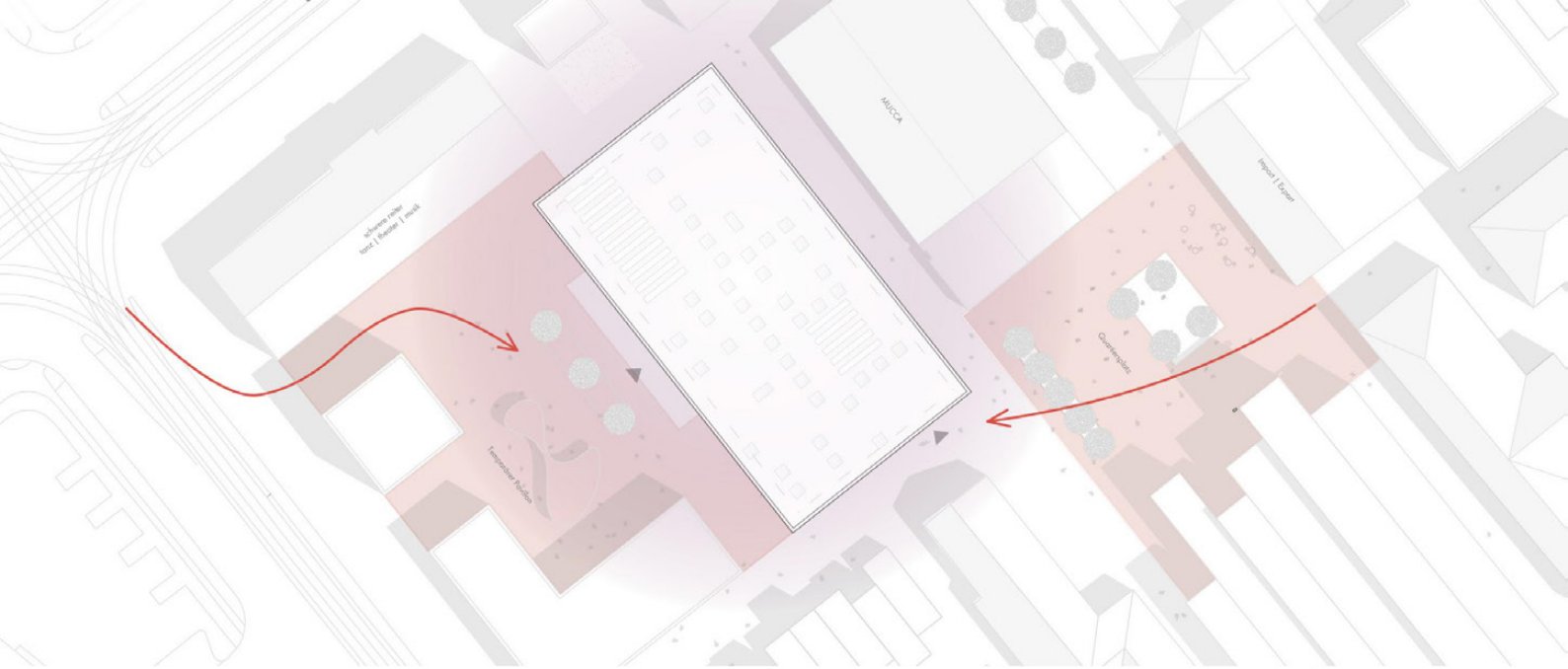
implementation



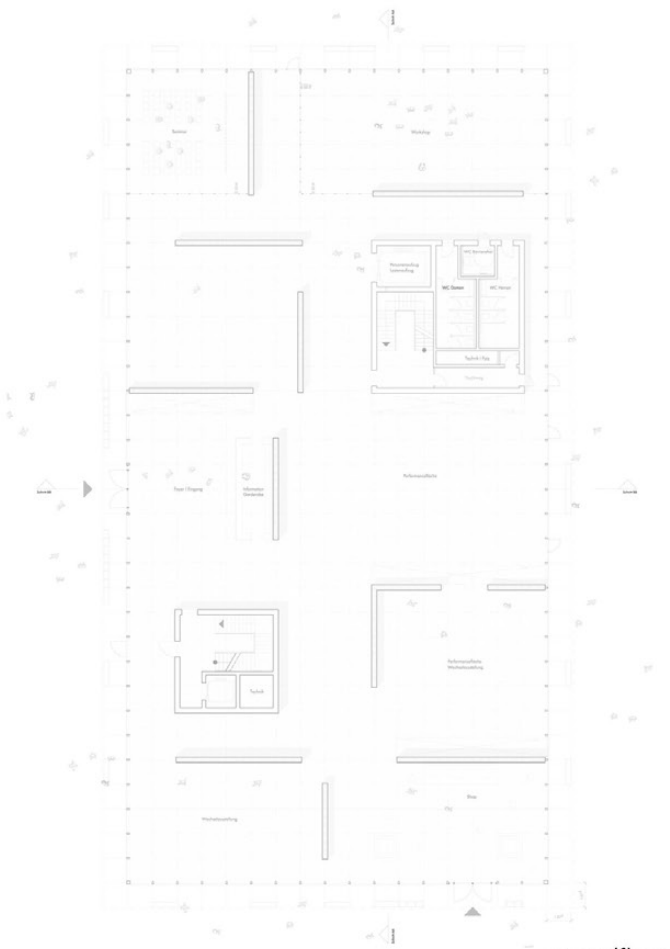
Although the main focus is on exhibiting art, due to the proximity to the University of Applied Sciences in Munich, it is my wish not to plan a pure art gallery. In addition, due to the new construction of the Faculty of Design at the University of Applied Sciences, it is to be expected that a gallery would meet with great response and acceptance from both resident professional artists and students at both universities. Rooms for educational programs and discussion groups should also make the gallery a place for exchanging opinions and learning. In addition to a permanent and temporary exhibition, the gallery will also offer an additional space or stage for various performances due to the theatre in the neighbourhood.

In addition, the gallery should be flexible for subsequent use. Based on this, constructive materials should also be used which are as recyclable as possible, and which can be sorted and dismantled.

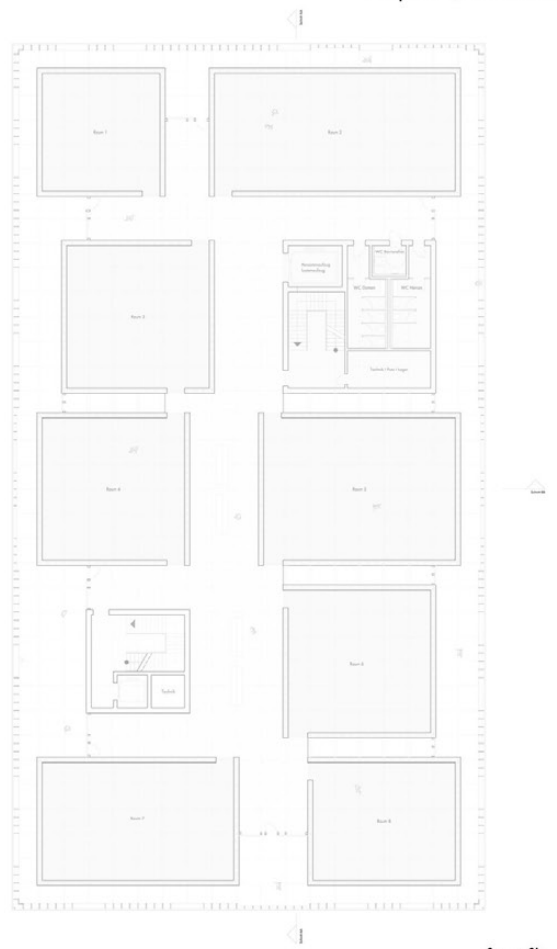




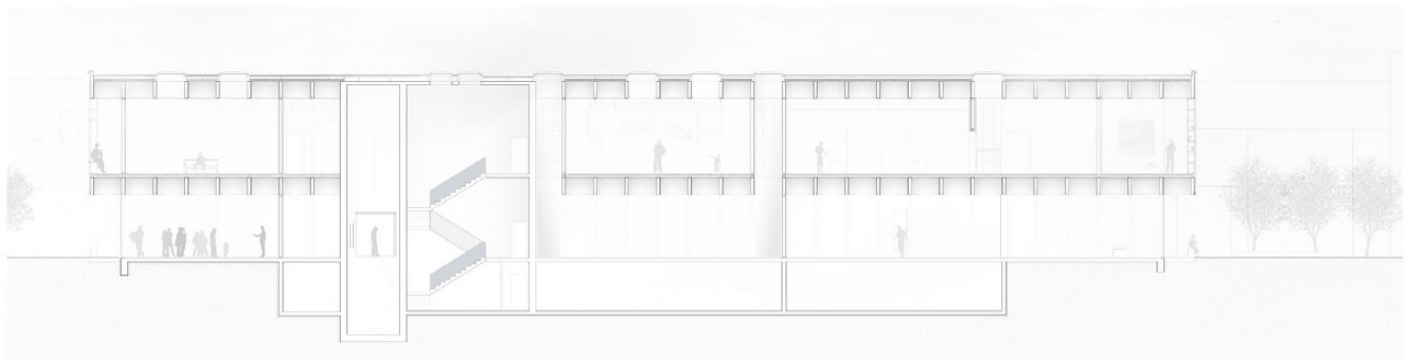
siteplan (connector)



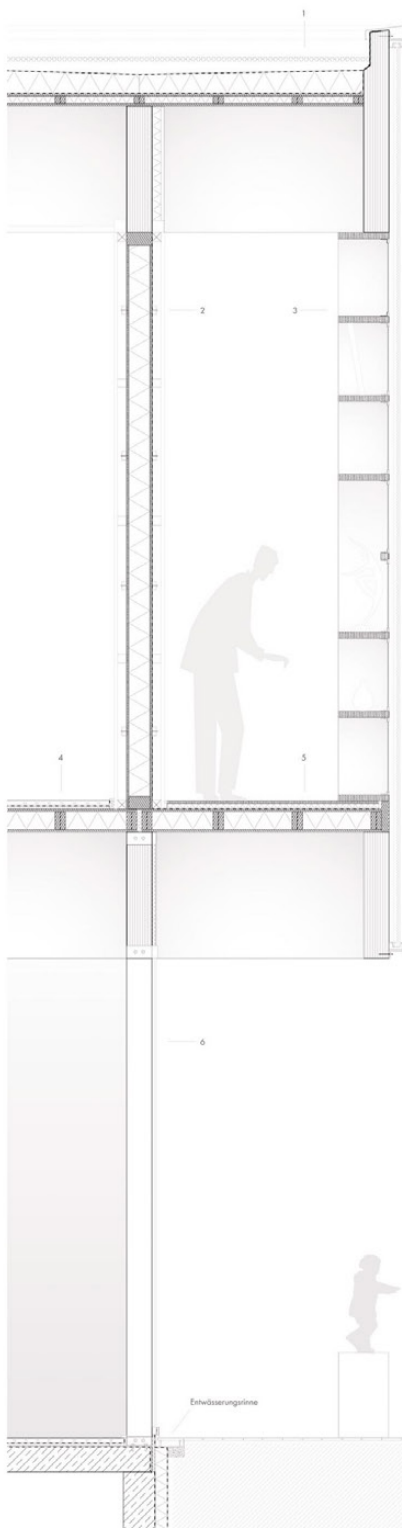
groundfloor



first floor



section



1 Dachaufbau

Kieschicht	
Polymethacrylaten Dachabdichtungsbahn, 2 lagig	mind. 150
PS-Dämmung 2%	
Dampfsperre	
Schalungselement (OSB)	20
Sparrn	40/50
Schalungselement (OSB)	20
Fanierschichtholz (Holztägerrot)	200/1000

2 Aufbau Außenwand

Innere Bepanlung, Gipskarton	2x12,5
Leitung vertikal, Installationsebene	70/70
Schalungselement (OSB)	15
atmungsaktiv, nicht	
Rähm	170/70
Schwelle	170/70
Stufe	170/70
Schalungselement (OSB)	15

Windgappe	
diffusionsoffen, wasserföhrnd, winddicht	
Leitung vertikal, Installationsebene	70/70
Äußere Bepanlung	2x12,5

3 Aufbau Fassade

Holzregal	62,5/6,25
Farbiges Textilteich	
Profifassadensystem, gedämmt, transluzent	

4 Bodenaufbau Innen

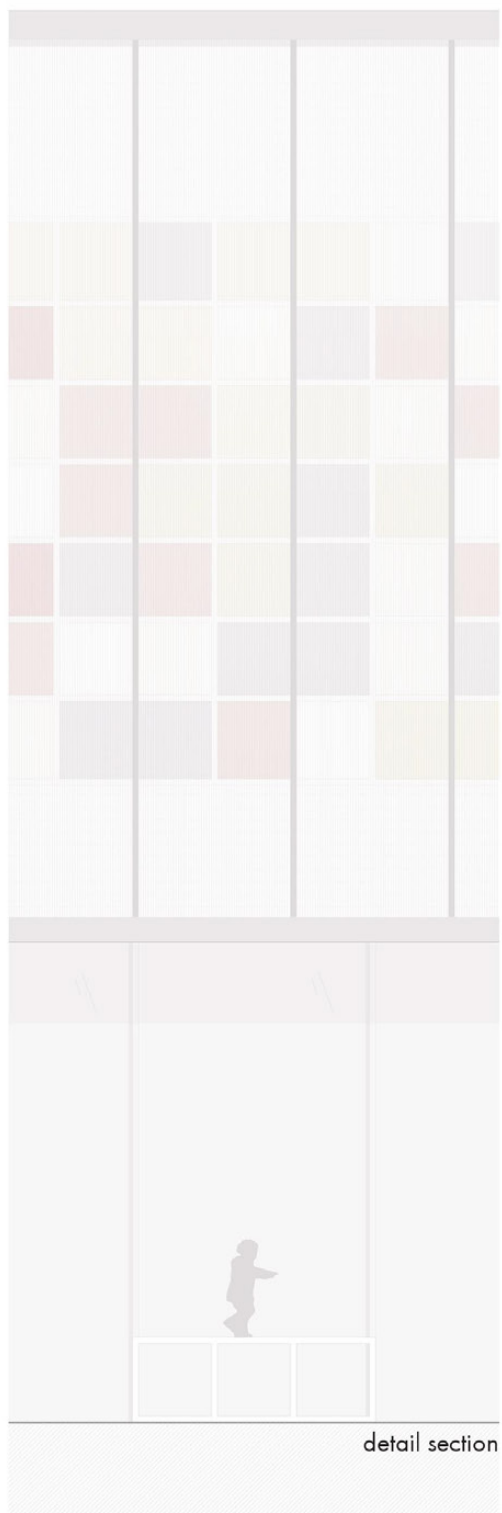
Estrich (geschliffen)	40
Fußbodenheizung	30
Abdichtungsbahn	
Trittschalldämmung	30
Schalungselement (OSB)	20
Sparrn	140/40
Wärmedämmung	140
Schalungselement (OSB)	20
Fanierschichtholz (Holztägerrot)	200/1000

5 Bodenaufbau Außen

Bodenbelag Eiche weiß geölt	20
Trittschalldämmung	30
Sperrbahn	
Schalungselement (OSB)	20
Sparrn	140/40
Wärmedämmung	140
Schalungselement (OSB)	20
Fanierschichtholz (Holztägerrot)	200/1000

6 Pfostenriegelfassade

3-fach Verglasung
Pfosten wird als Stütze ausgebildet
Dämmpaneele vor Fanierschichtholz



detail section



Augmented Reality Projects

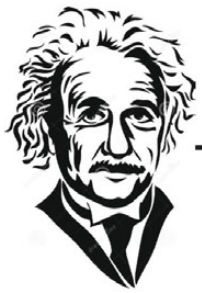
accompanying professors: Prof. Dr. Kristof Crolla, Garvin Goepel

location: Chinese University of Hong Kong, Hong Kong (China)



In the workshops, new technologies were applied to architectural areas. The goal was to gain knowledge for the future from the experience.

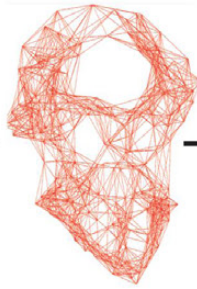
Mixed reality as great potential for the future of the planning and construction industry.



Pictures



Rhino



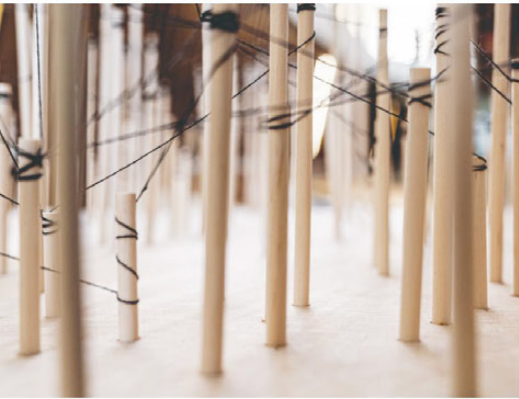
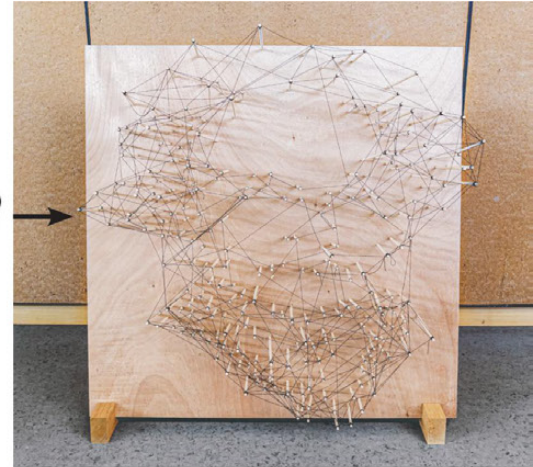
"Translation"



Rhino Fologram



Hololens

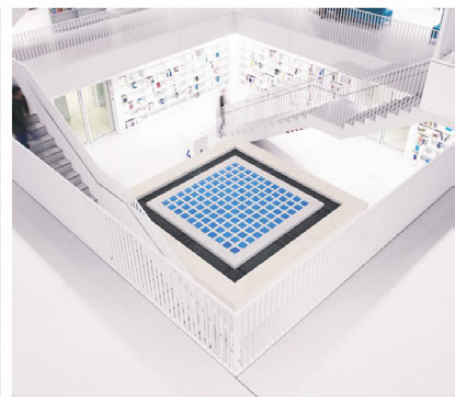
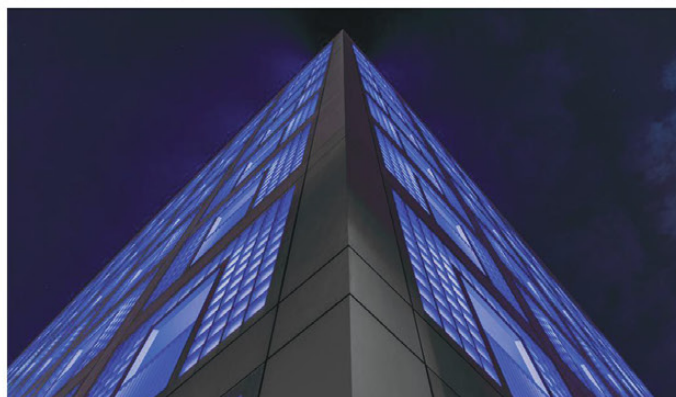



THE ART OF LIGHT

„Photography is a big passion of mine. Taking pictures allows you to experience and capture the surroundings or space from a variety of perspectives. In addition, I gain insights into a society that would otherwise have remained hidden.“



Maximilian Höppler



Scan me 



maximilian.hoeppler@web.de
CONTACT