

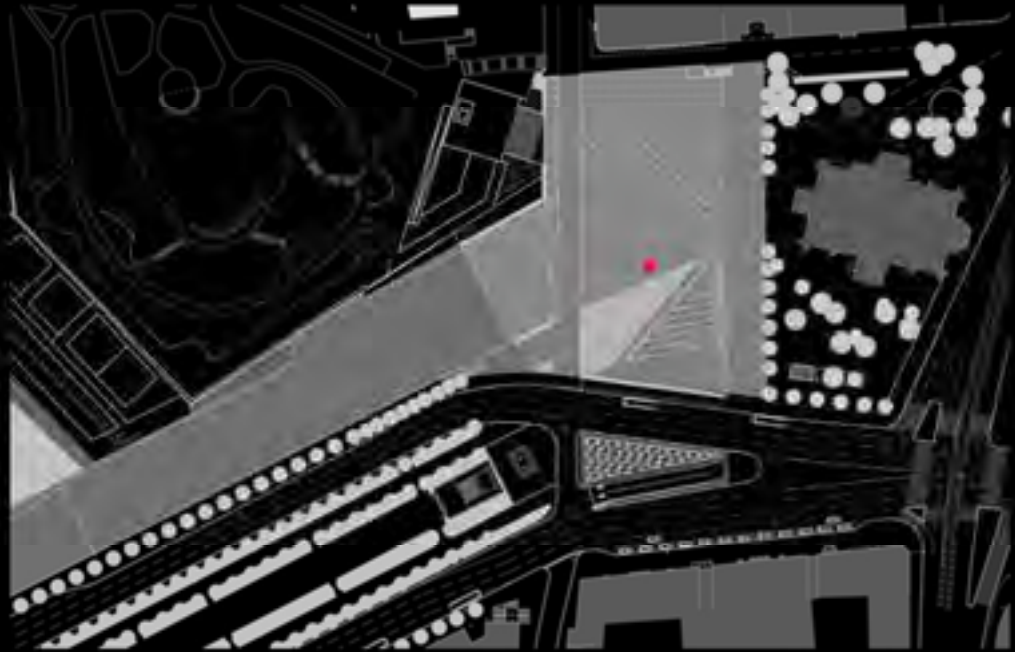
Kadarik,

Tüür.

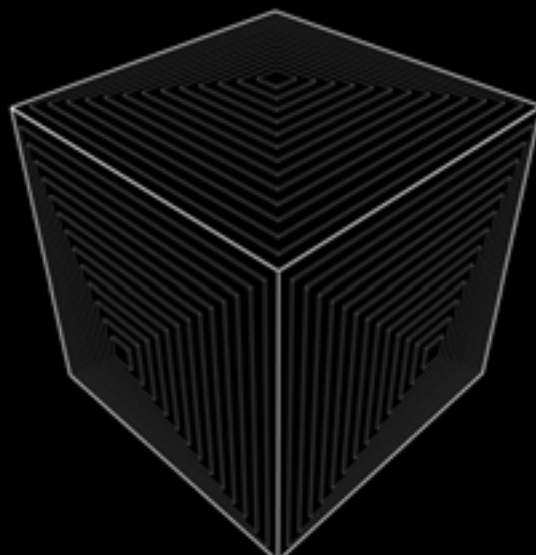
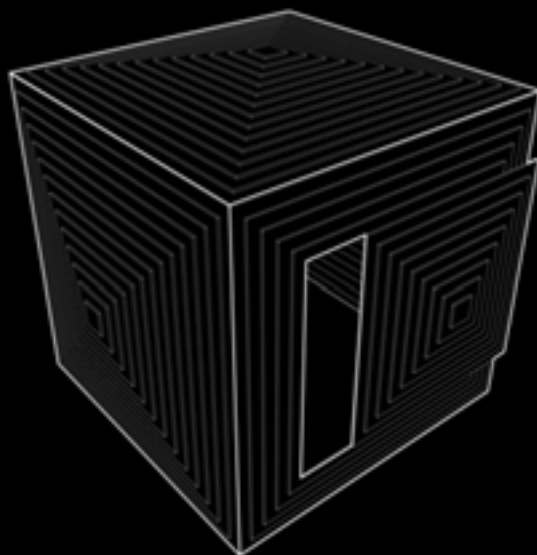
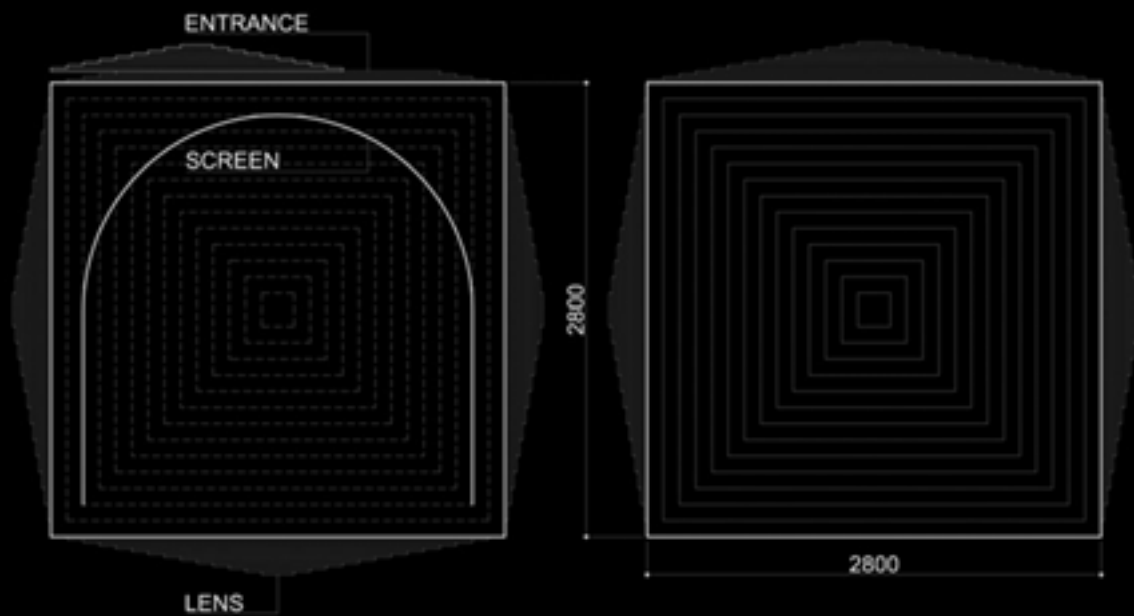
Arhitektid.

PUURUUM















EESTI VABADUSSÕDA
1918-1920









3D PUITMAJA PRINTER





AURIK



AURIK



VAADE A



VAADE B



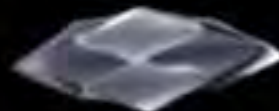
VAADE C



VAADE D



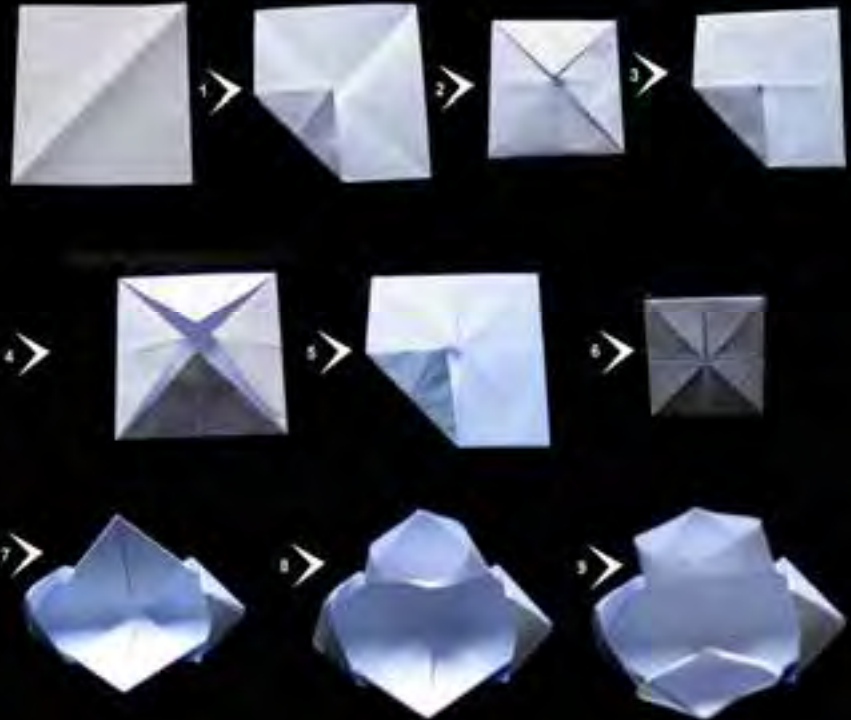
LÕIGE A-A

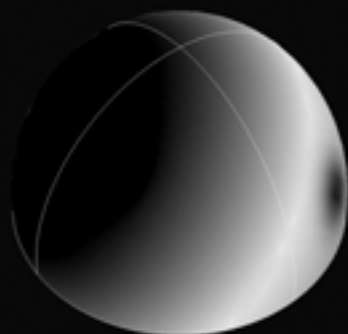


PLAAN

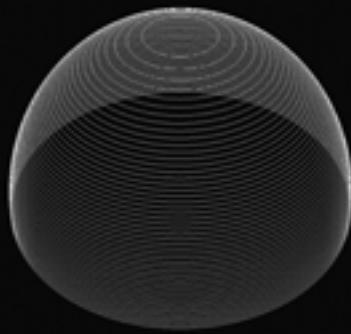


AURIK

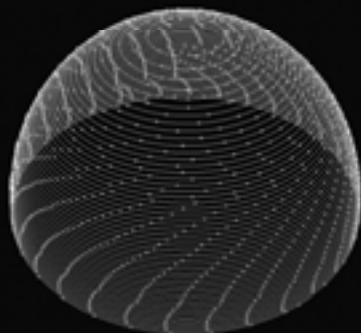




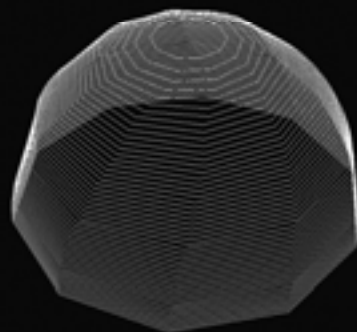
1. SOOVITUD RUUMIGEOMETRIA



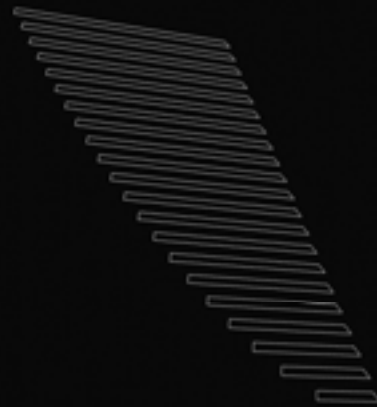
2. SEE JAOTUB KIHTIDEKS



3. IGA KIHT JAGUNE PUNKTIDEGA

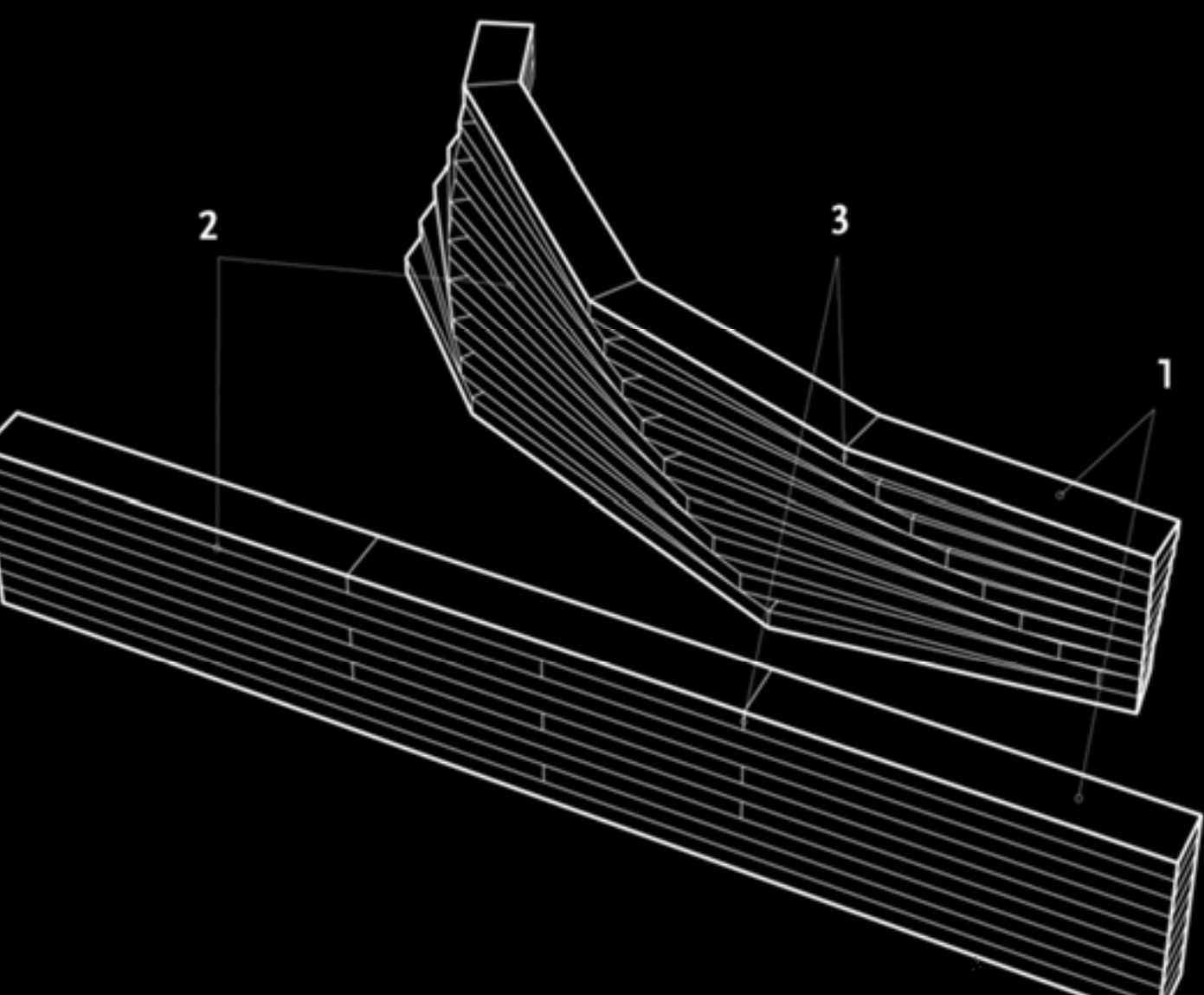


4. PUNKTID ÜHENDATAKSE SIRGETEGA

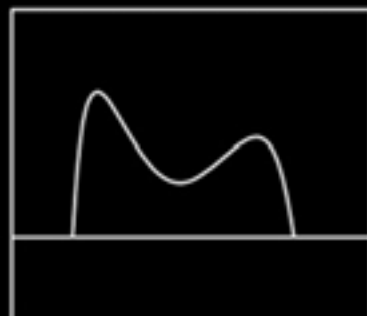


5. SIRGED DEFINEERITAKSE
ELEMENTIDEKS PIKKUSE JA
OTSA NURGA KAUDU

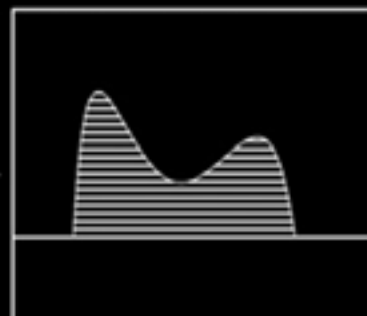
PARAMEETRILISE PROJEKTEERIMISE VIIS TÖÖOPERATSIOONI, ET TOOTA TÖÖJONIS



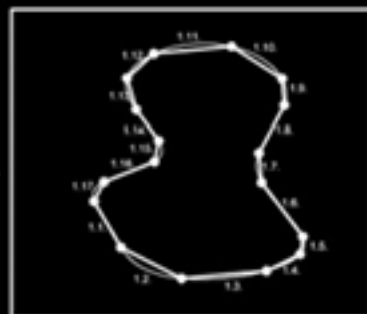
HORISONTAALSETEST
PUITLAMELLIDEST
EHITUSSÜSTEEM



MAHU 3D DIGITAALNE
DEFINITSIOON



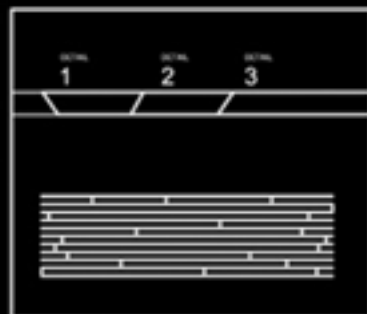
HOONE HORISONTAALID
MATERJALI PAKSUSE JÄRGI.



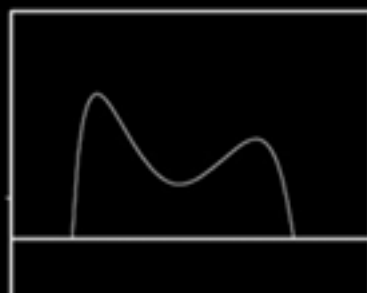
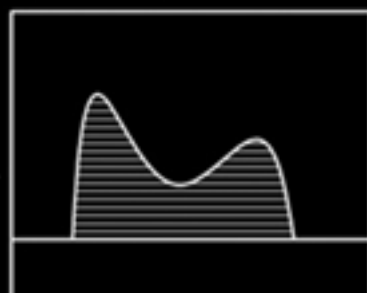
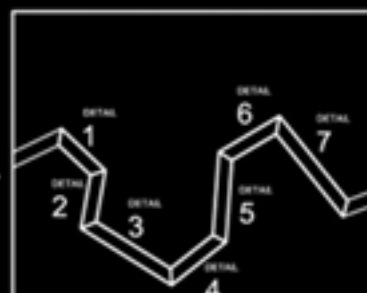
HORISONTAALI JAGUNEMINE
SIRGLÕIKUDEKS

KMID	TÕUKI. NR.	ELEMENDI PAKKUS	TAPP 1 ALUSE	TAPP 2 ALUSE
1	1.1	3090	14'	30.49
1	1.2	2945	-35.49'	16.34'
1	1.3	3285	-18.34'	58.34'
1	1.4	1258	-58.34'	30.49'
1	1.5	885	30.49'	49.49'
1	1.6	2857	-49.49'	8.18'
1	1.7	1285	-8.18'	28.27'
1	1.8	2785	-28.27'	53.12'
1	1.9	876	53.12'	8.49'
1	1.10	1543	-8.49'	49.49'
1	1.11	1.12	-49.49'	16.2'
1	1.12	2356	-16.2'	17.98'
1	1.13	1345	-17.98'	30.49'

TABEL ELEMENTIDE ANDMETEGA,
MIS EDASTATAKSE OTSE SAE
PROGRAMMI.

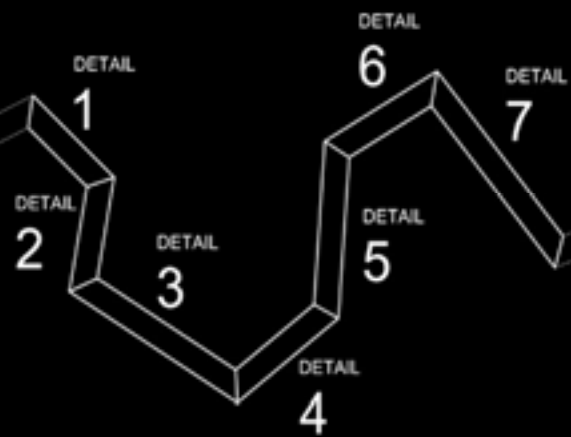


ELEMENTIDE SAAGIMINE,
NUMMERDAMINE JA PAKKIMINE

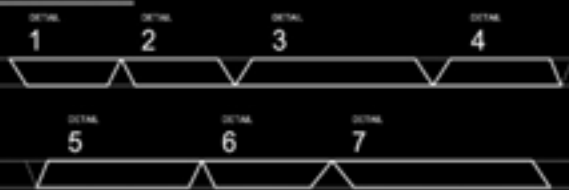


SEINA PLAAN

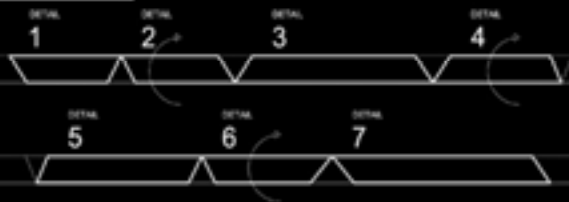
DETAILIDE SAAGIMINE PRUSSIST



DETAILIDE RIDA SIRGEL JOONEL



IGA TEISE DETAILI PÕRANIMINE



DETAILIDE RIDA ENNE VÄLJALÕIKAMIST



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10000 Feature Definition
10001 "Created on: 08/24/2016 10:00:00 AM"
10002 "Created by: SolidWorks"
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10008 int( Radius)
10009 int( Height)
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10015 int( NumberOfLayers) int( NumberOfLayers) = 10000
10016
10017 "SolidWorksPartName: SolidWorksPartName"
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Solid
Input
Configure Layers from outer and inner shell



It stands for Boundary



BSegment has a curves (BCurve)
In and Out



BSegment is divided to
BPoints and what are
running along BCurve



BlockCurve



BlockSolid

Output Data ->





Form geometry

It is the unique attributes of the form geometry that allow us to utilize innovative products, from the 3D printed components and the advanced glazing that's effective in the construction parameters of your envelope. With the Glacoor technology you can build any off space without taking any of original form matter literally, especially for interiors. After all - the idea is the end, only the means count and we go.

Renewable material

Using Mother Earth just got a lot easier if you remember what you just learned why. As a material it is light, flexible, breathable and doesn't just look right. But you never ever forget what in 4D space nothing will last at least 150 years, then a base rather than your first happy engagement.

Energy efficient

An energy efficient building is a great thing. Also convenient as it saves time and material in the walls of the envelope. The double glass panes allow to conserve the building exactly by construction - all before freeze. In the construction phase it's suitable for the wall - especially in an end use space as well.

Description of the system

Glacoor system makes it possible to create a building with all the characteristics described in the list above in one 4-dimensional envelope of a fluid, permeable envelope. The construction team that used this system will need to be made before to create your own personalized building. The building is a participant from the beginning to the end of construction of this project. It is the fluid is coming in time, just see you.



4 step system

• IDEA • 3D FILE • FACTORY • REAL LIFE OBJECT

Eco-nomical

Usually building systems are based in the repetitive CM (contract) used to build big technical systems and single layer of construction and the building team and construction. Our basic materials that it is still the same today. Keeping the building system is good for now, plenty of time and to get an object you planned, your system will have clear objectives, your construction supervisor will have to be involved in the building process and done. If a year construction will be successful practice as well as your ideas.

Eco

We believe that green thinking is good, but it has to be measured. It is not enough just to think about it, or to be "green" because. That's what we do. We are going to create the architecture of the building concept with the material of thinking. You don't have to worry (the architect doesn't have to leave your problems and get their team to be implemented in the presence of your own quality-conscious friends. Because - there's some for more and more of them, and they have a valid point.

Logical

Current building systems - in every aspect, we don't see them as a building system in the digital - it's always the way you think about construction. Our first 3D model from your architectural team will be the first step. It is the first step to creating a future you. You think about what you imagine and learn from it already.

Breathable

With Glacoor technology you'll build up with fully breathable building, with these advanced 4D system its permeable envelope (permeability of building and its structure) from construction team. The system provides the possibility of the envelope, it is the most natural building system you'll ever create. What if it's in fact, building for anyone without a glass.

Allergy free

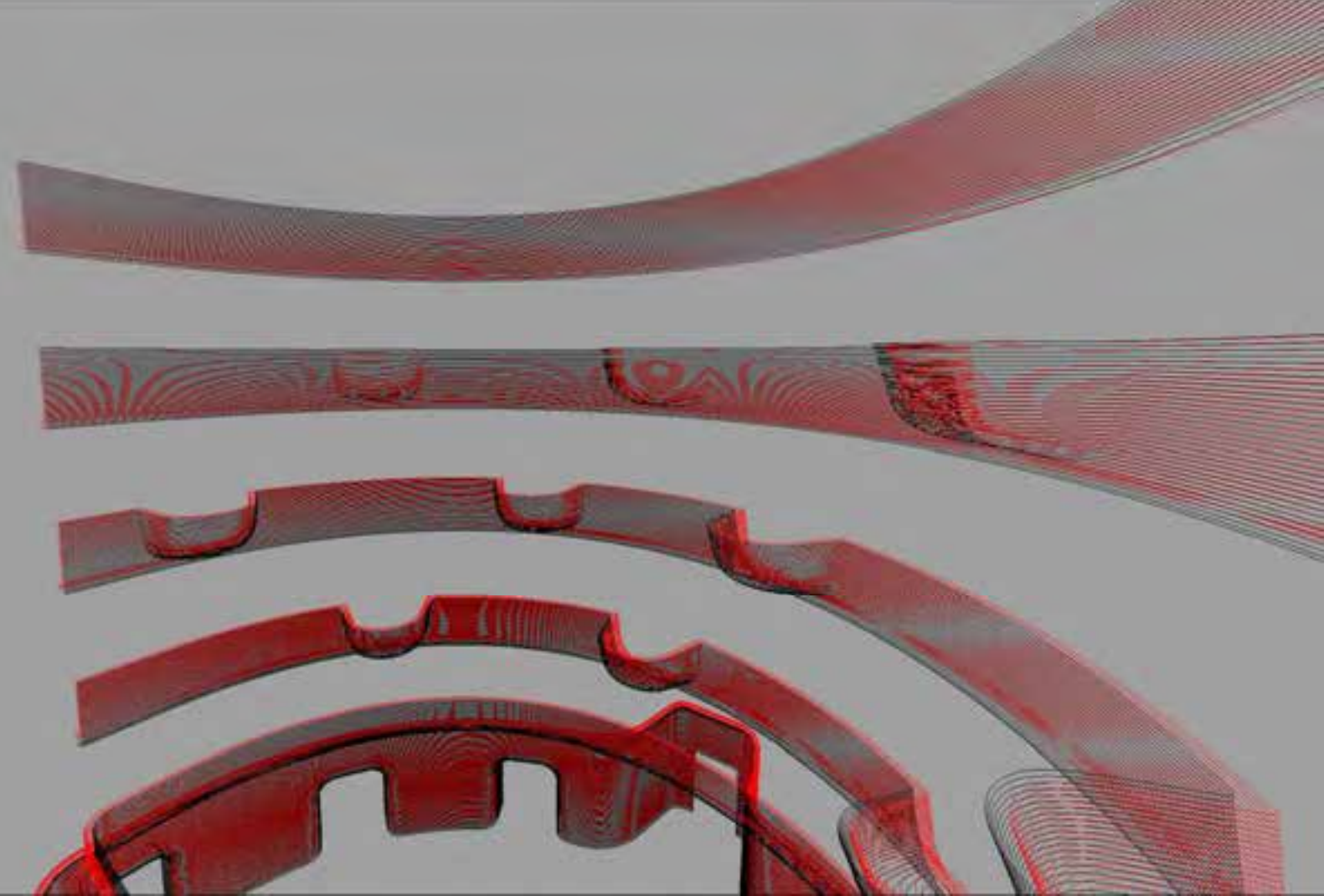
When it comes to built a good material you'll have to be sure that it's healthy. That's what we have to do - keep the living environment allergy free and you'll have a growing need of them.

Uncollapsible

It is a double structure - not time, but you know the reason why you love to spend it a distance during an earthquake? Being a one of all construction we have. That's the natural part of the construction system - the whole construction is a living structure. It is a long-term to determine experts are able to look at a challenge.



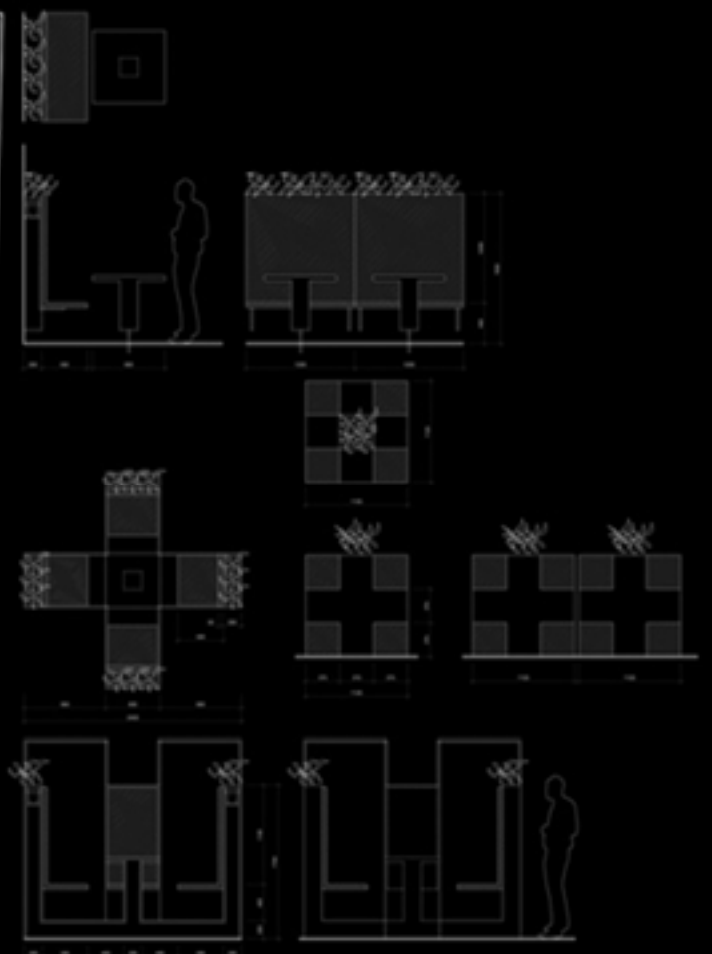
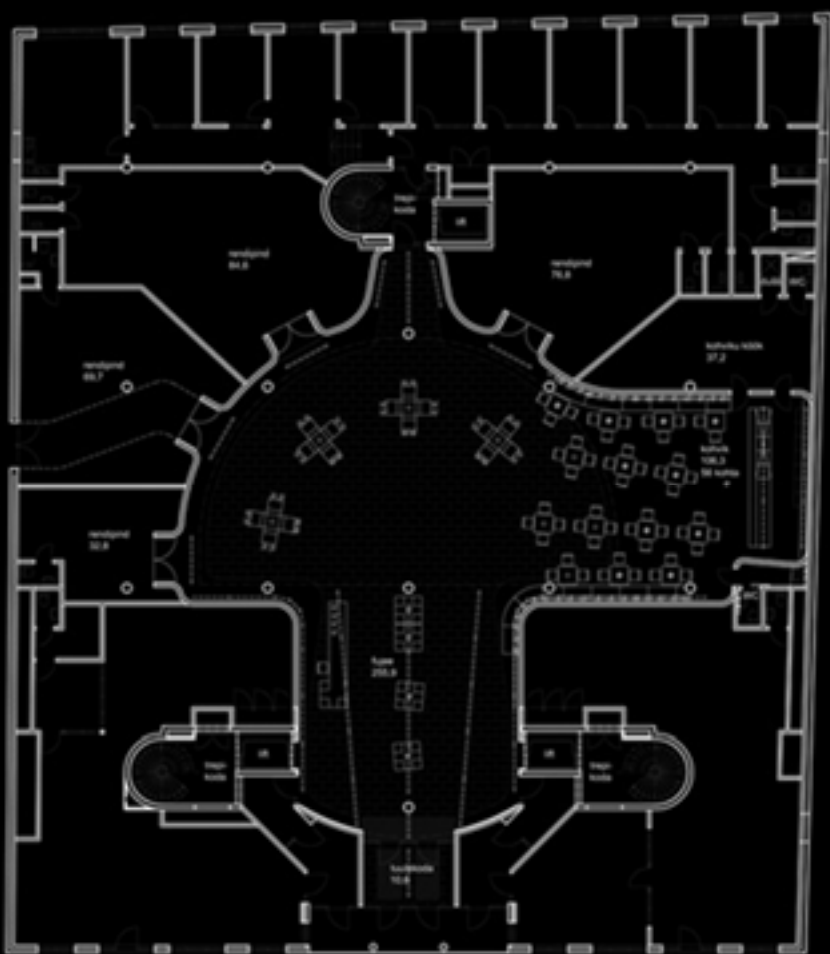








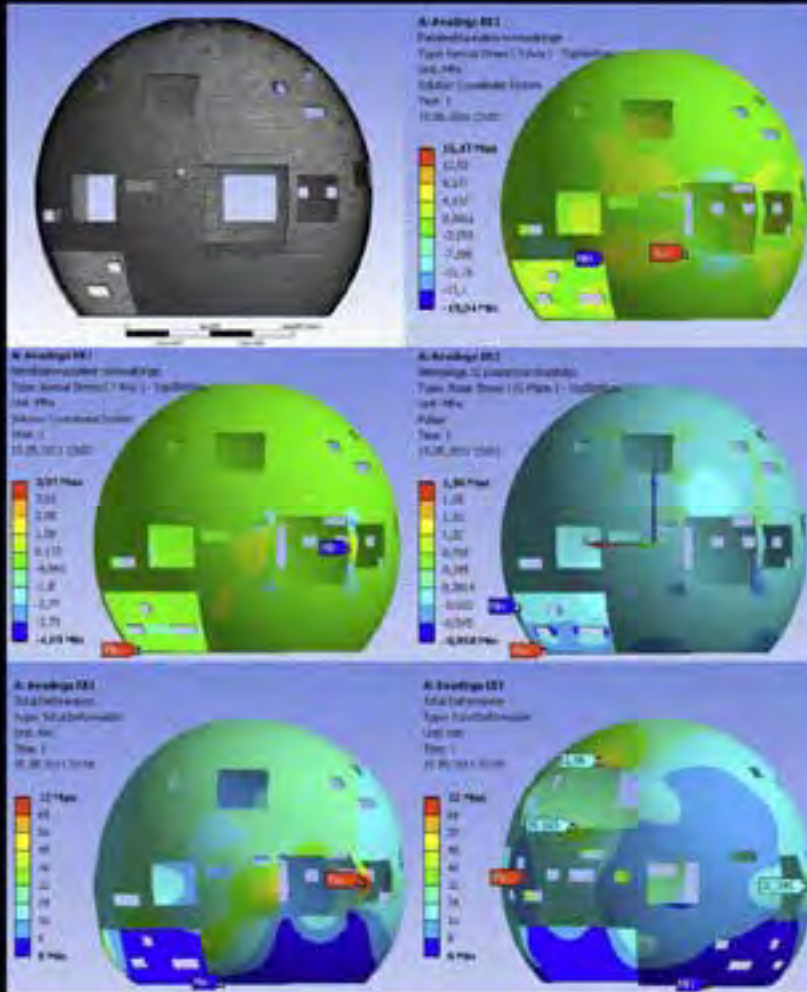


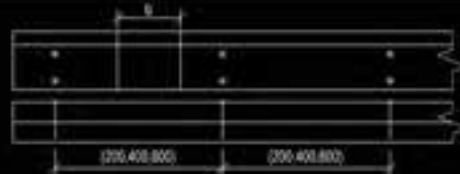












Joonis 8 Liimitud prussid

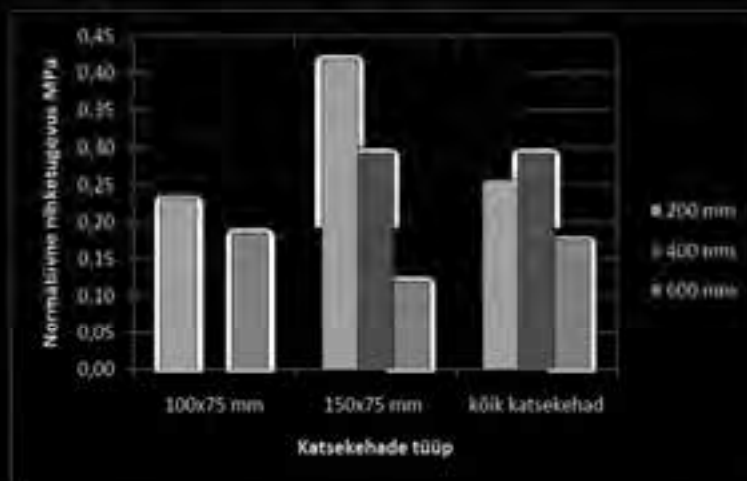


Katsekeha

Katsemeetod ja -skeem

Katse viidi läbi pressi all, kus üks klotsi osa oli toetatud rõhtsale pinnale, ning teisele osale rakendati (metallist nurkprofiiliga) pinnale jaotatud vertikaalset jõudu F . Nihkepurunemise kindlustamiseks oli toetatud klotsiosa pealispinnale puuritud auk, millesse asetati horisontaalseid siirdeid takistav metallist side. Katsetamise skeem on näidatud joonisel 10.



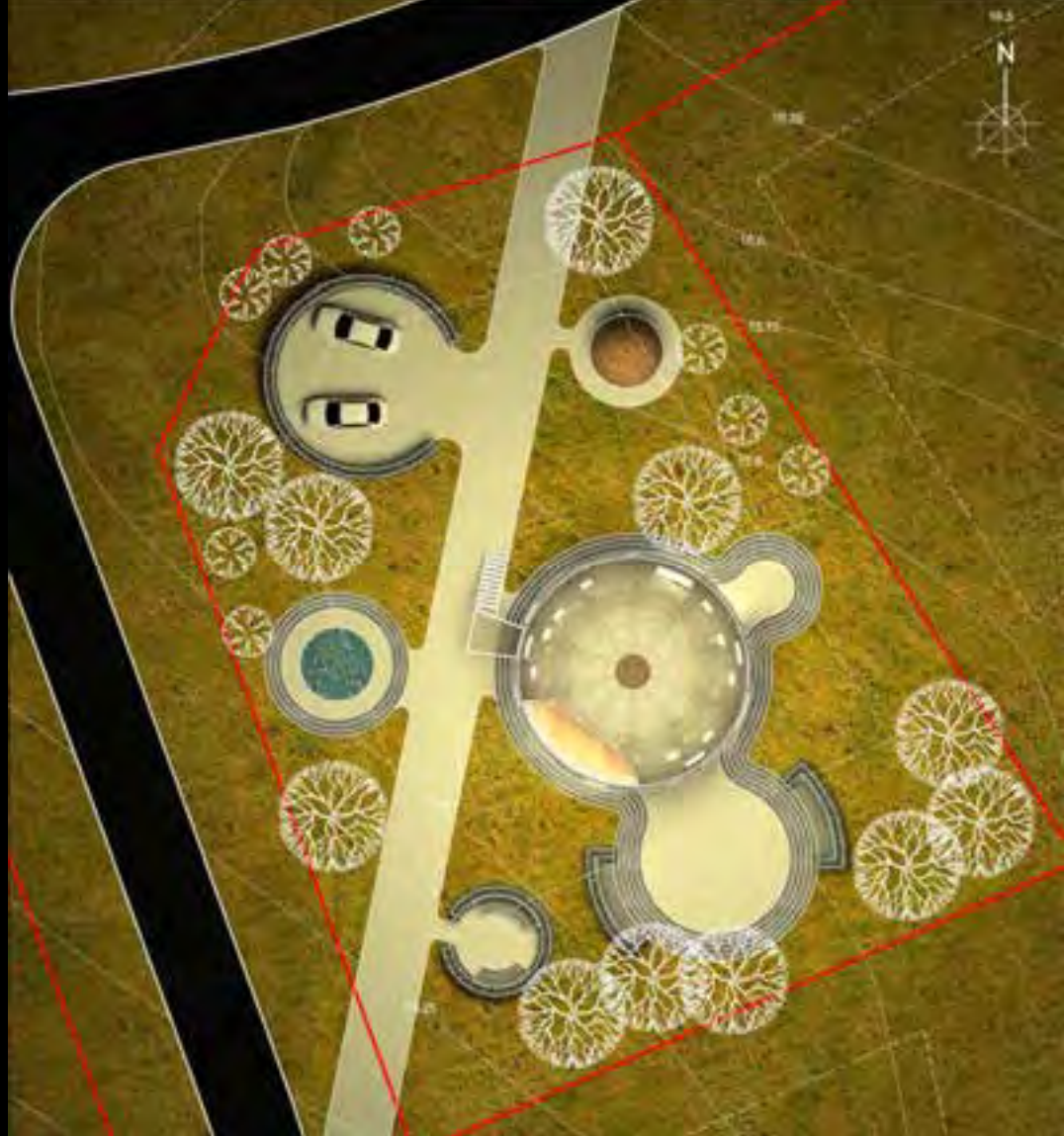


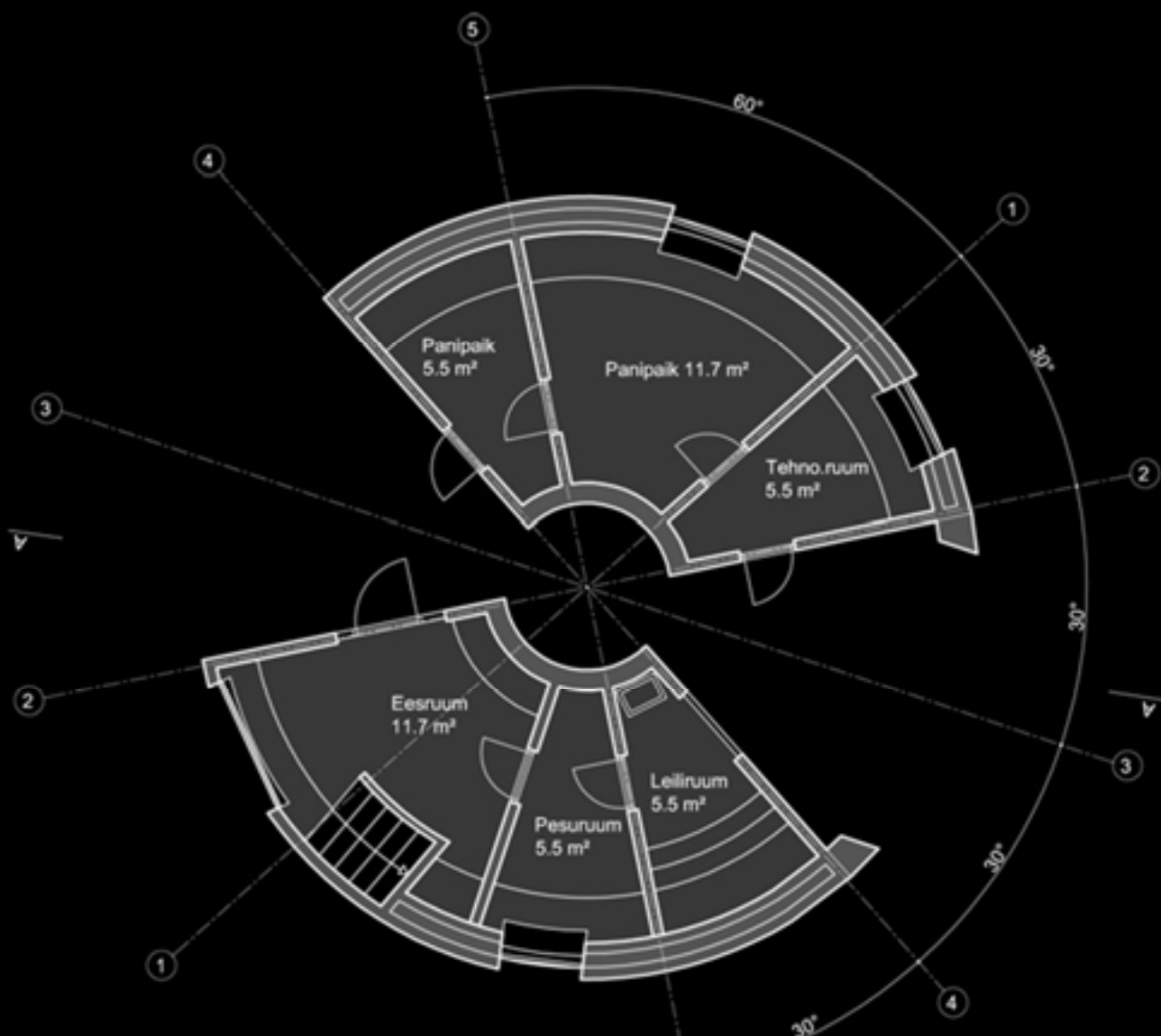
Normatiivsed nihketugevused erineva naelte sammu ja erinevate katsekehade korral

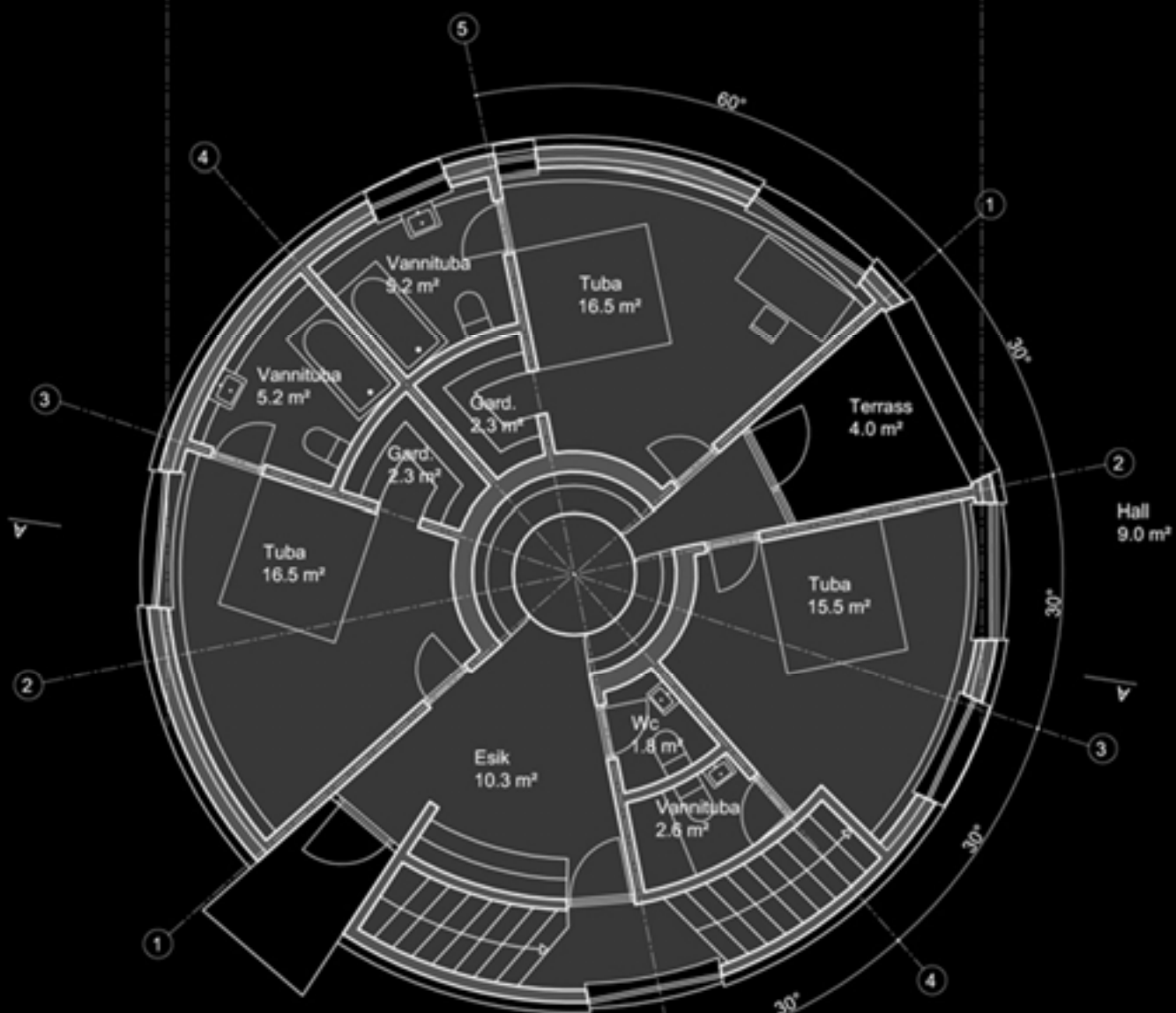
Järeldused katsetustest

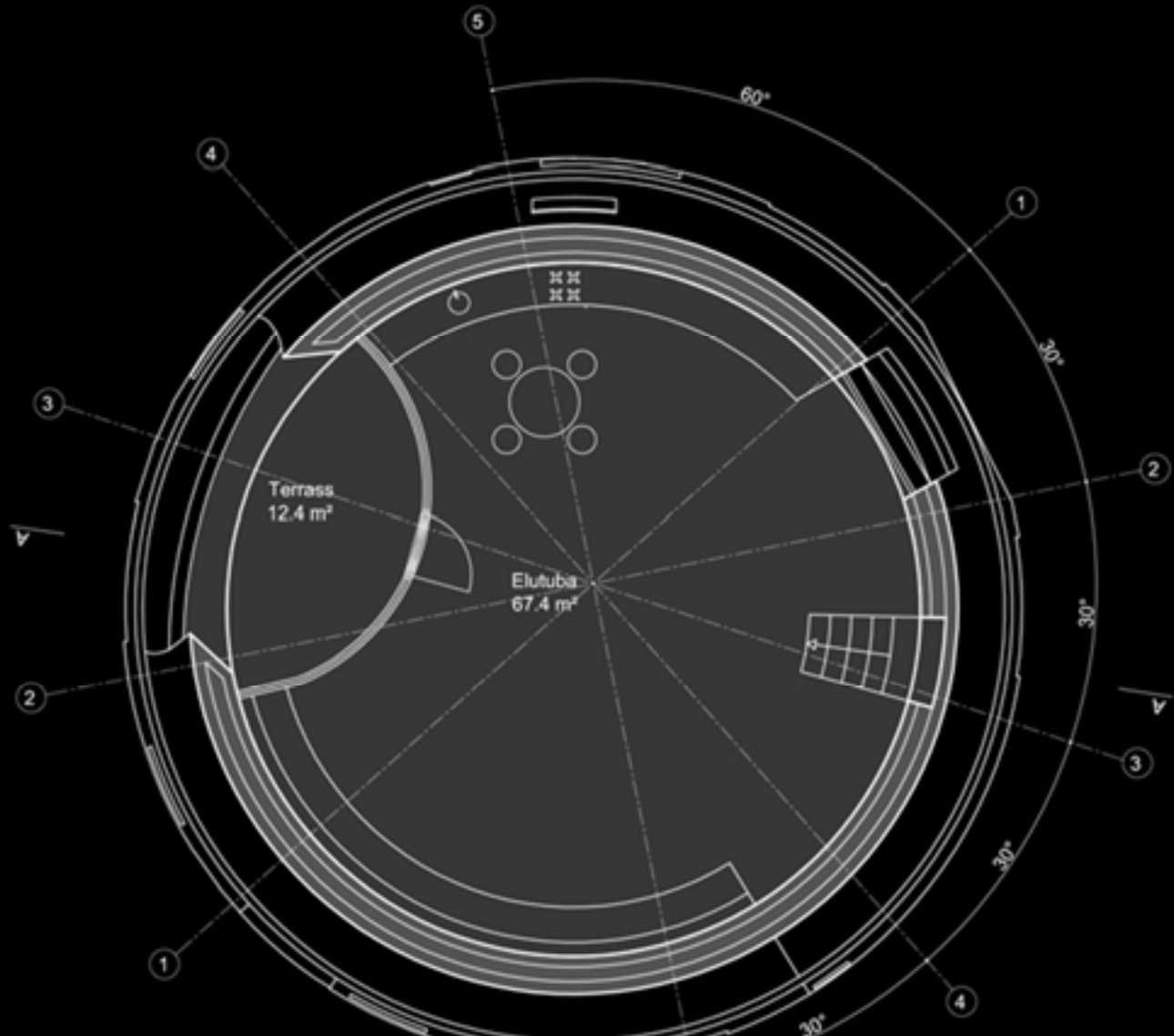
Nagu jooniselt 11 näha, siis kuigi 100x75 mm katsekehade puhul 200 ja 600 mm naelte sammu korral saavutati lähedased tulemused, olid täpsemaid tulemusi andvate suuremate katsekehade korral tugevused selgelt sõltuvuses naelte sammust. Kui võrrelda 200 ja 400 mm sammuga katsekehi, siis suurema nihkepinna korral võib näha, et sammu suurendamine võimaldab saada tunduvalt suurema tulemuse, samas kõiki katsekehi arvesse võttes on 200 mm sammuga saadud tulemus väiksem.

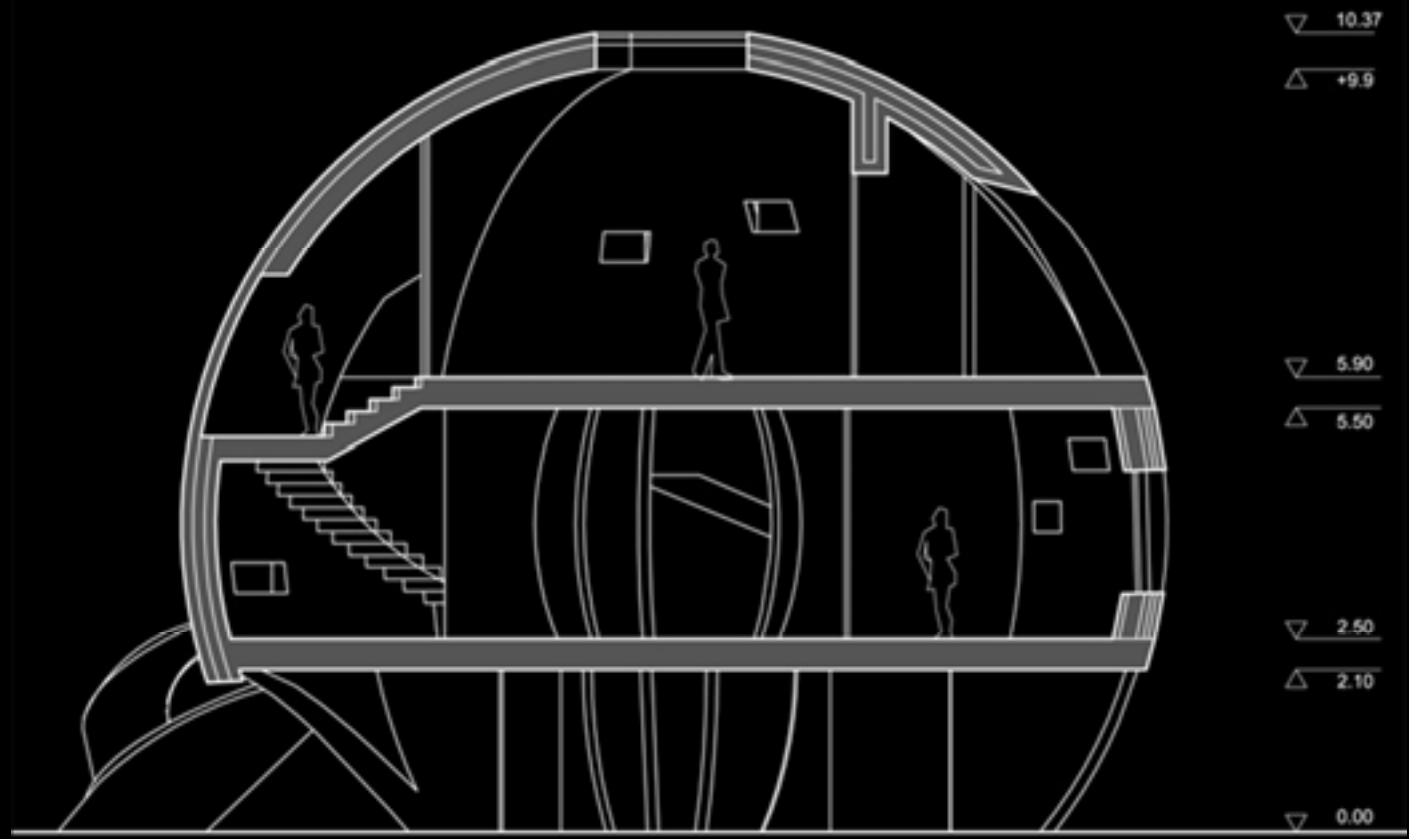
Kuna normatiivset puidu tugevust ei saavutatud ühegi sammu juures, siis on oluline muuta liimimise meetodikat või teha tugevusarvutused vastavalt katsetele

















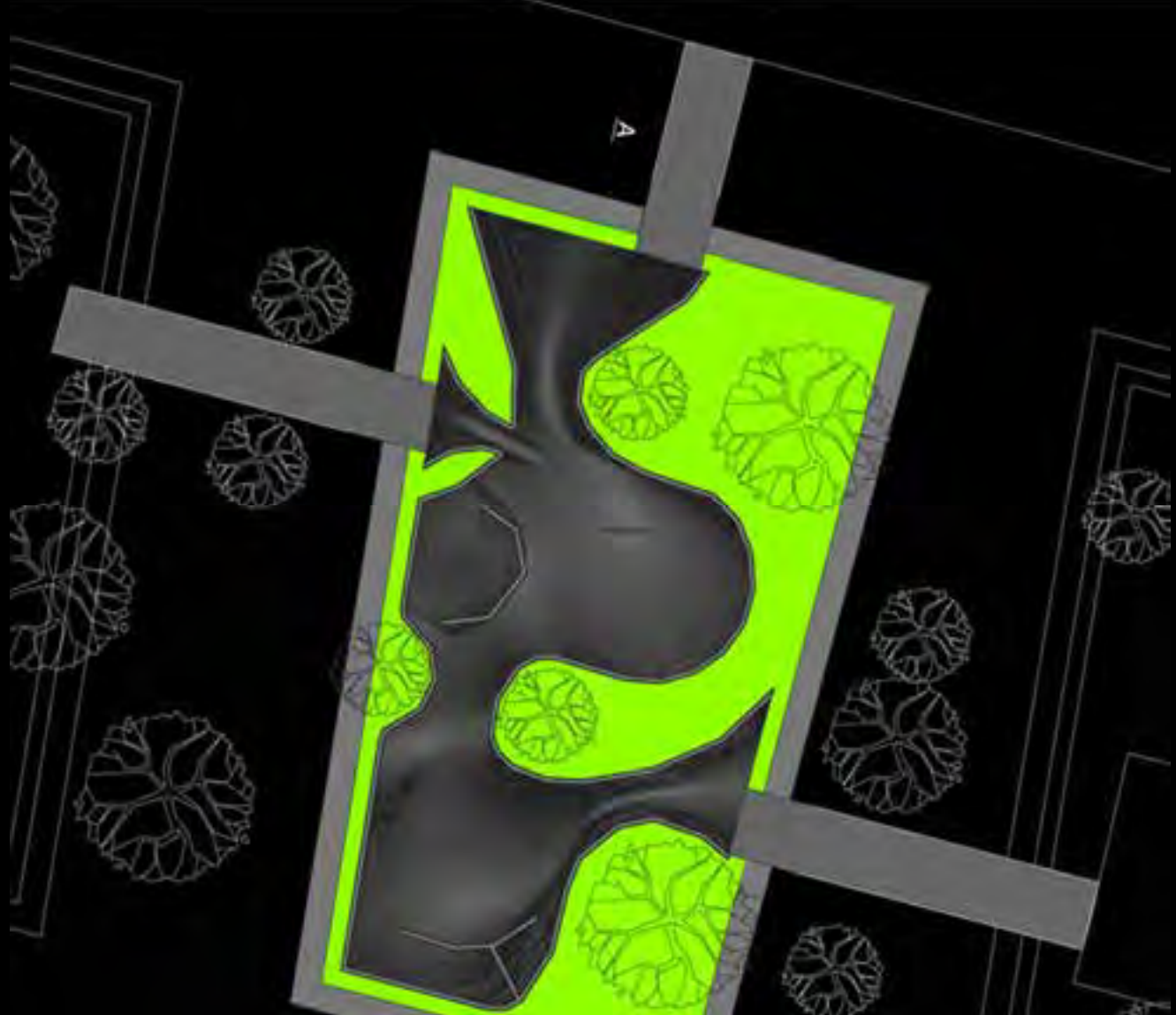




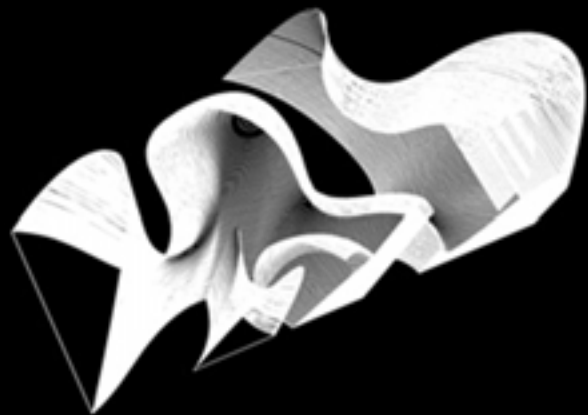
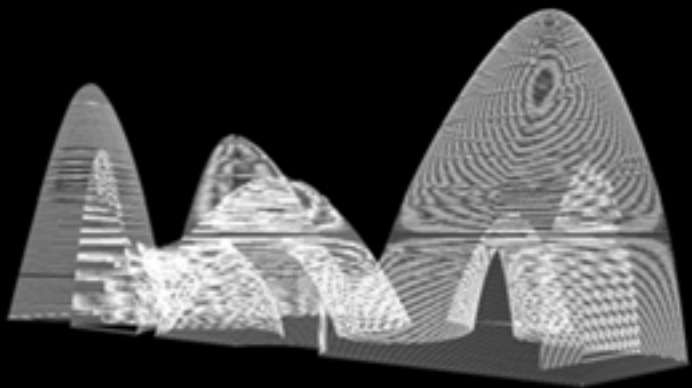
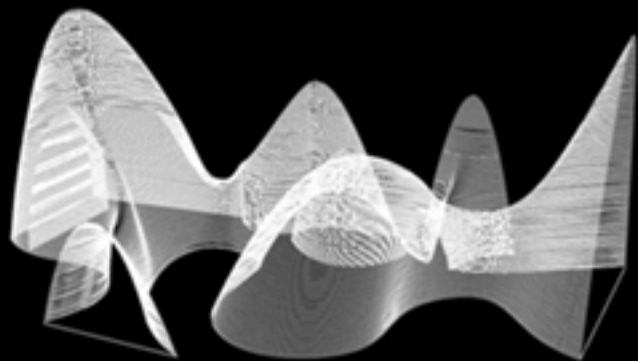
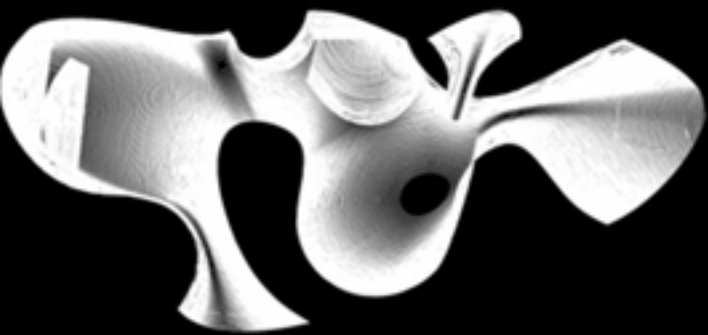










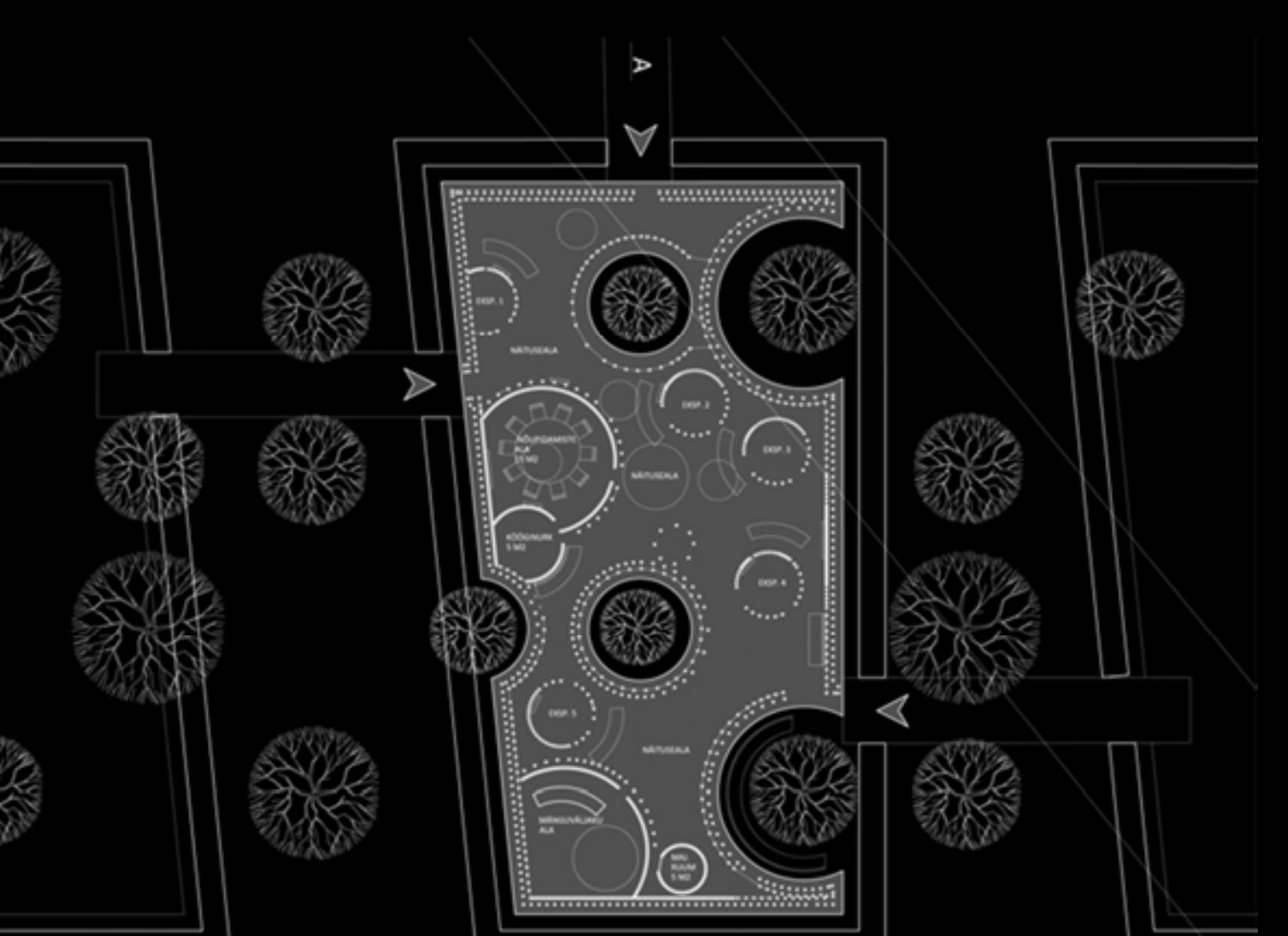


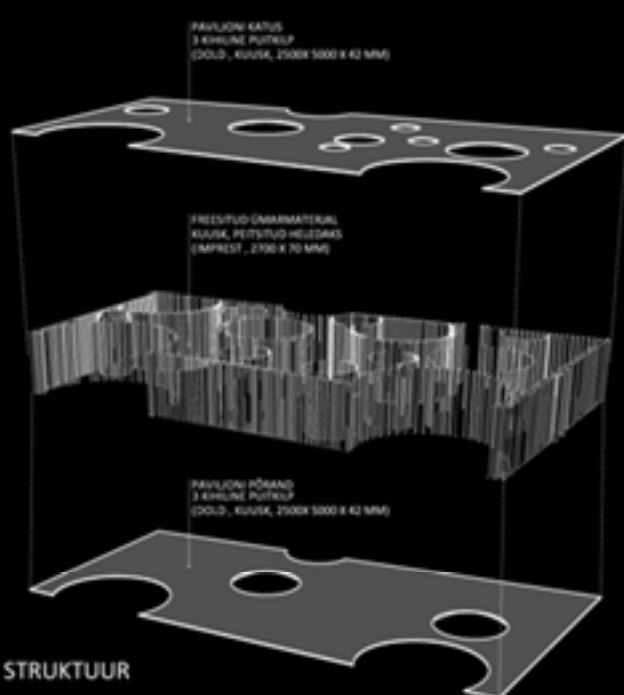
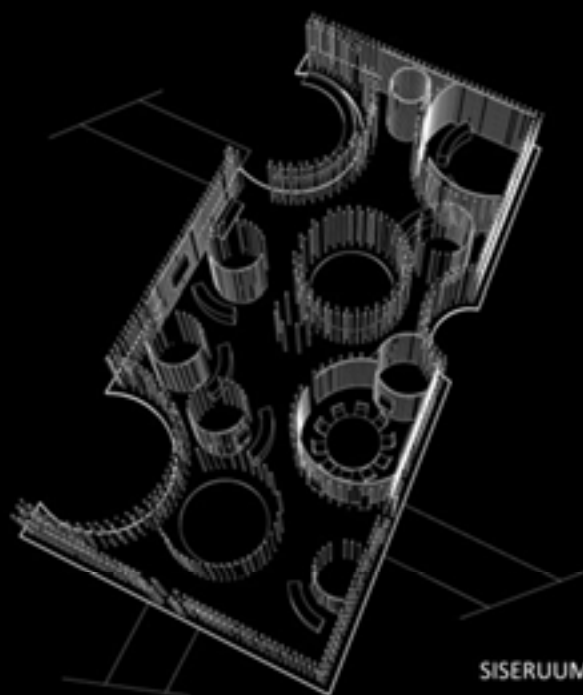












SISERUUMIDE STRUKTUUR

PAVILJONI KATUS
3 KIHuline PUITKUP
(DOLD, KLUUSK, 2500X 5000 X 42 MM)

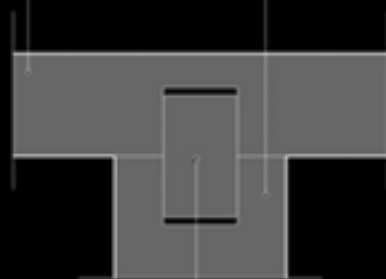
FREESITUD ÜMMARMATERIAAL
KLAUSK, PEITSITUD HELEDAKS
(IMPRESS, 2700 X 70 MM)

FREESITUD ÜMMARMATERIAAL
KLAUSK, PEITSITUD HELEDAKS
(IMPRESS, 2700 X 70 MM)

KARASTATUD KLAAS 8MM
KIRKA KLAASI RIBA KÕRGUS 2700 MM

PANEELI LAOTIS
LAGEDEL

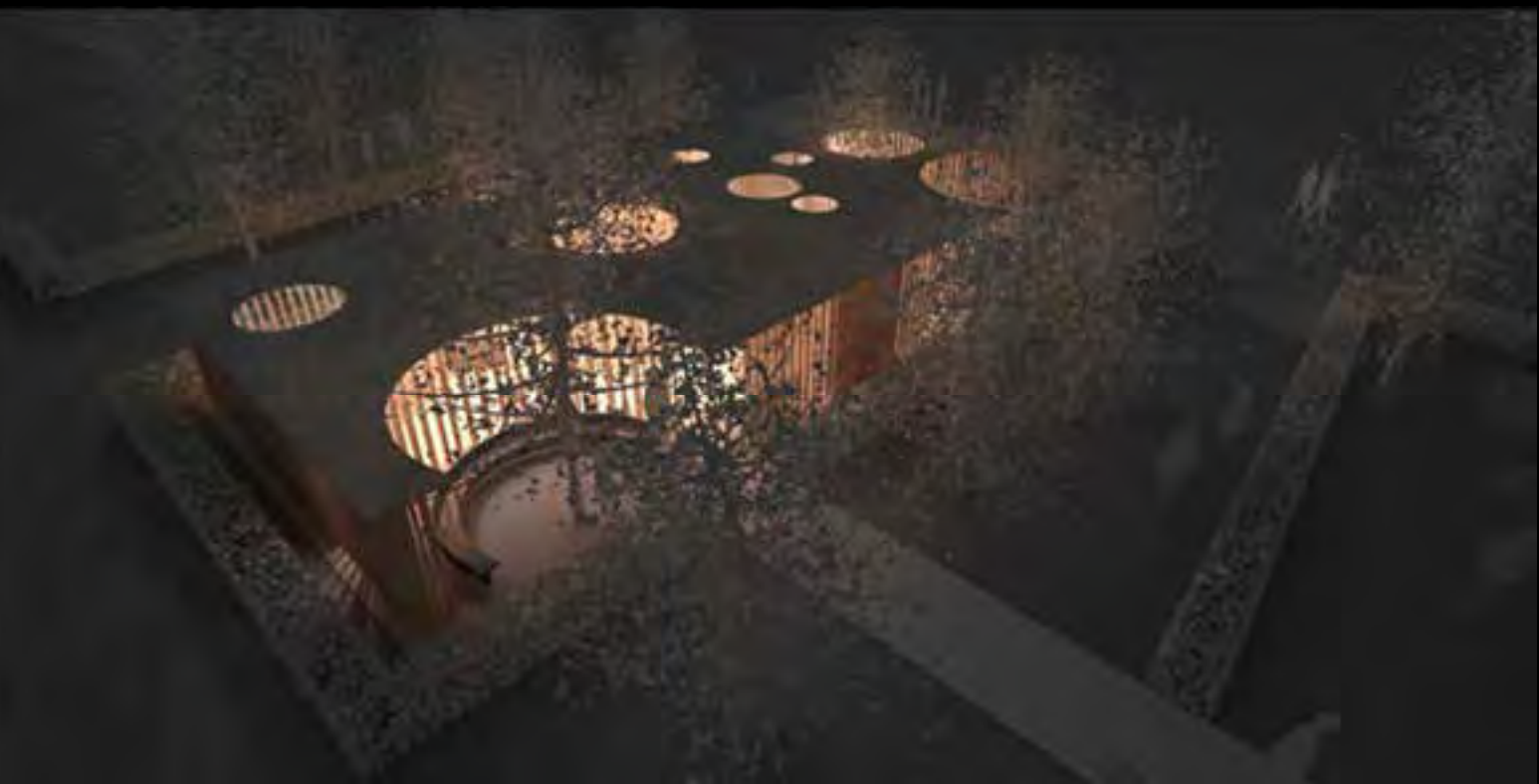
VUNDAMENDI
PLOKID











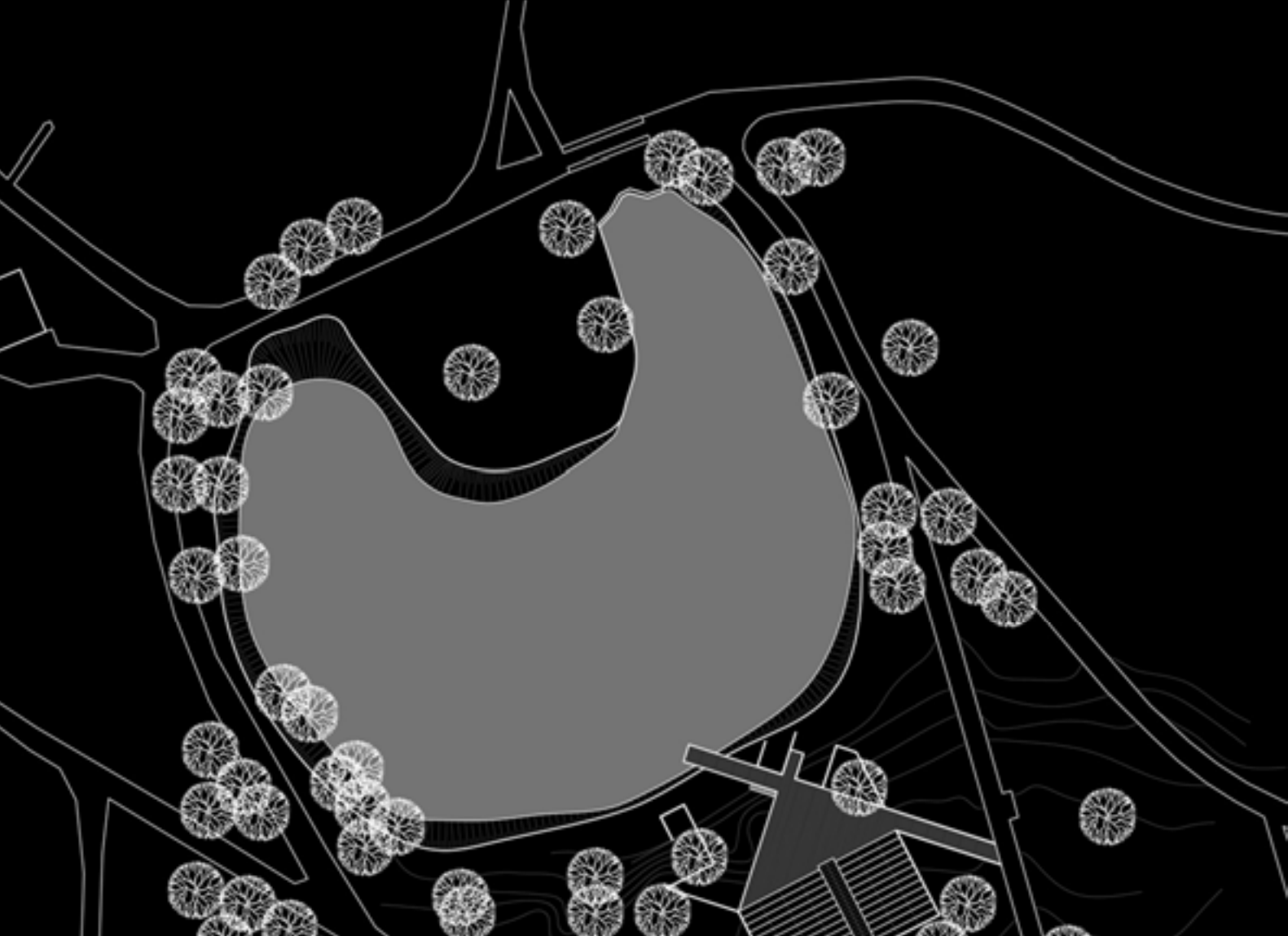


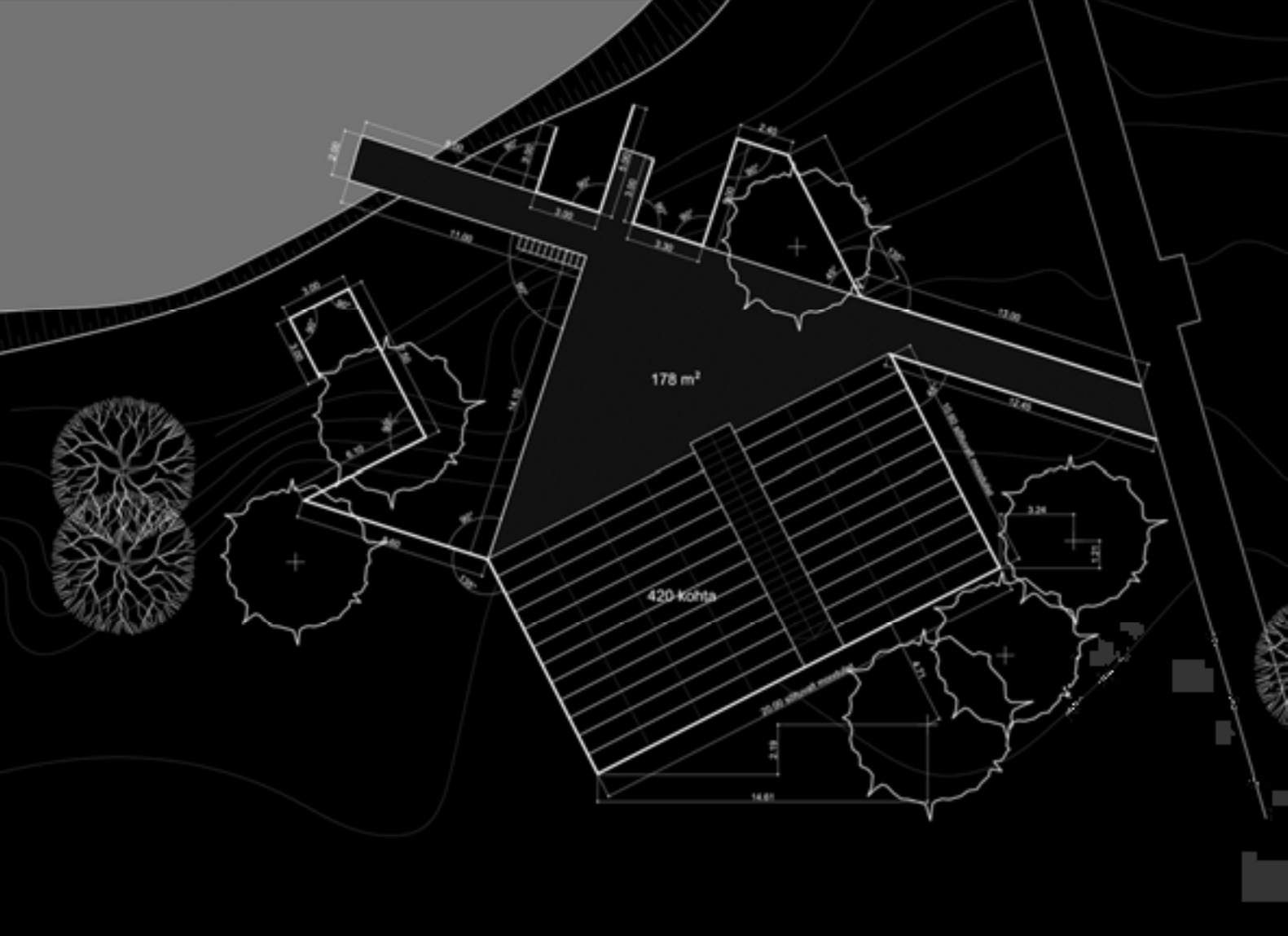






















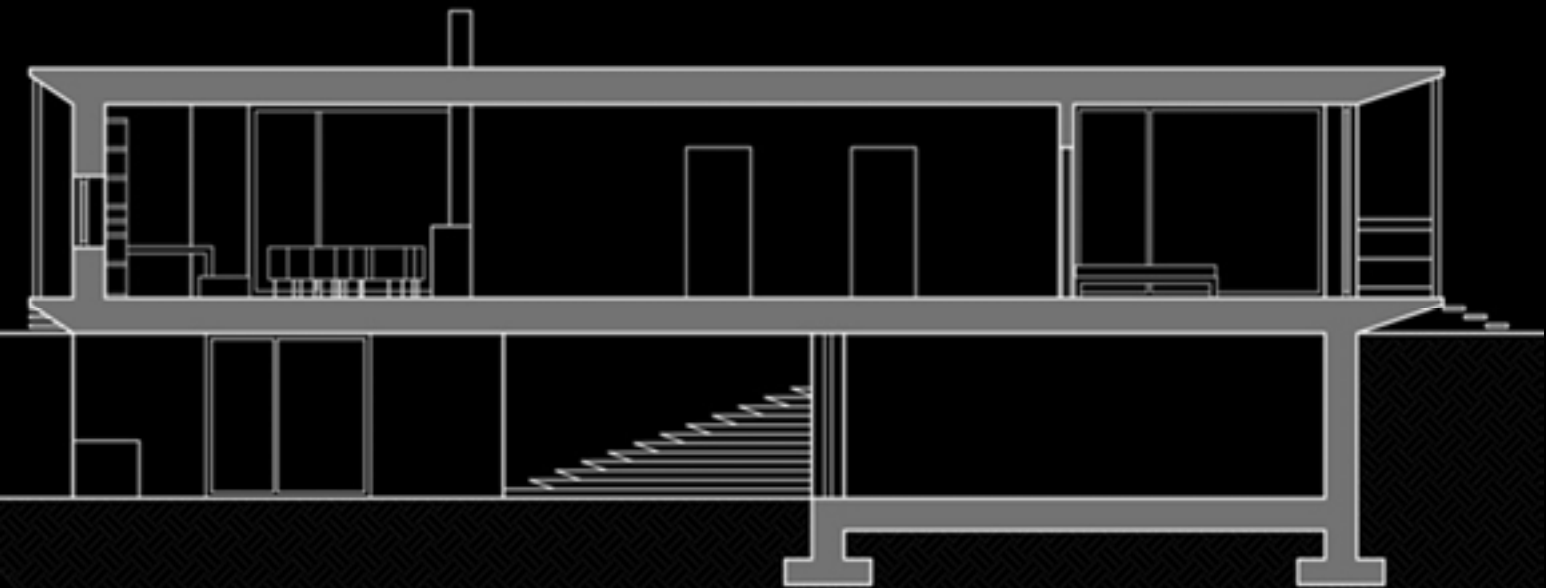




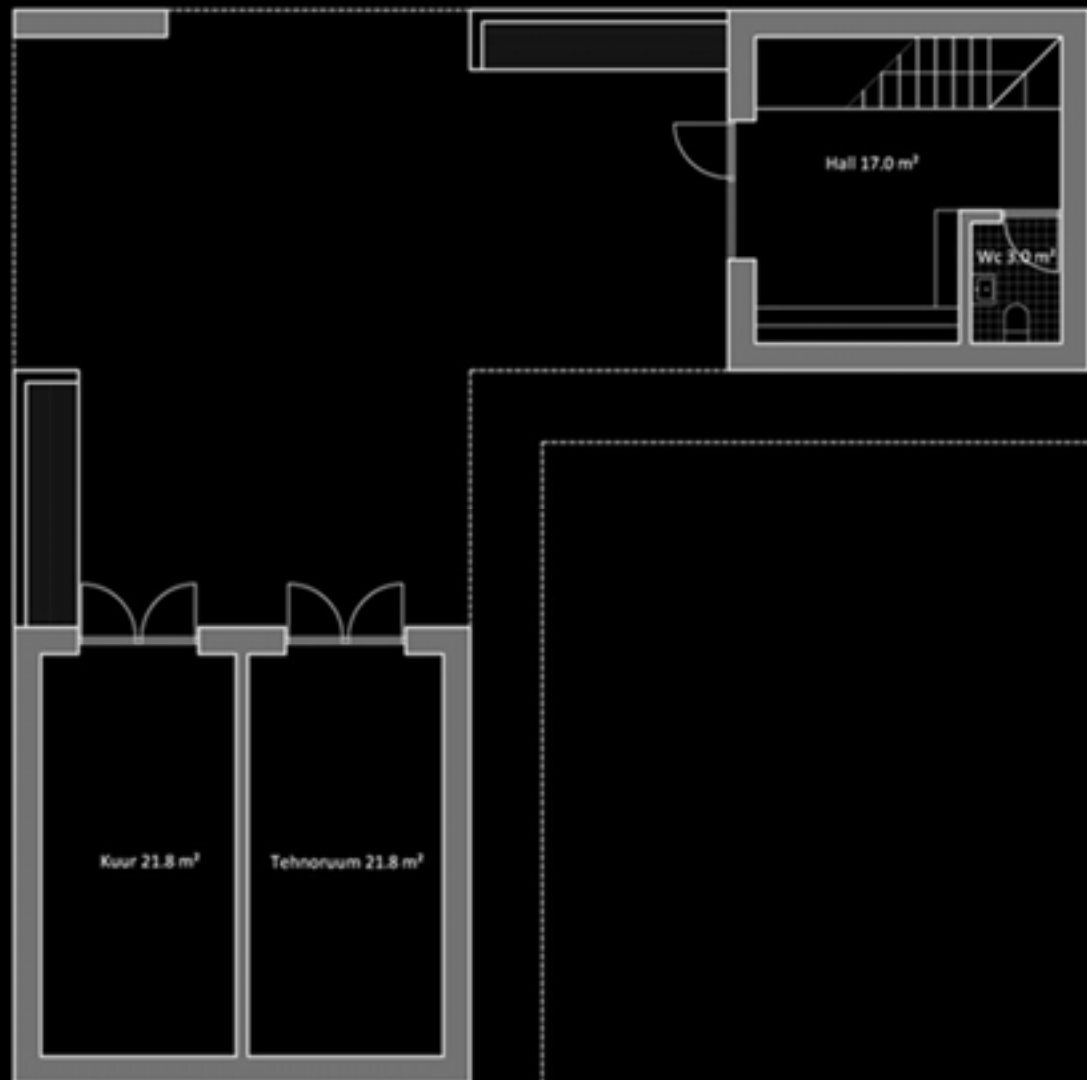


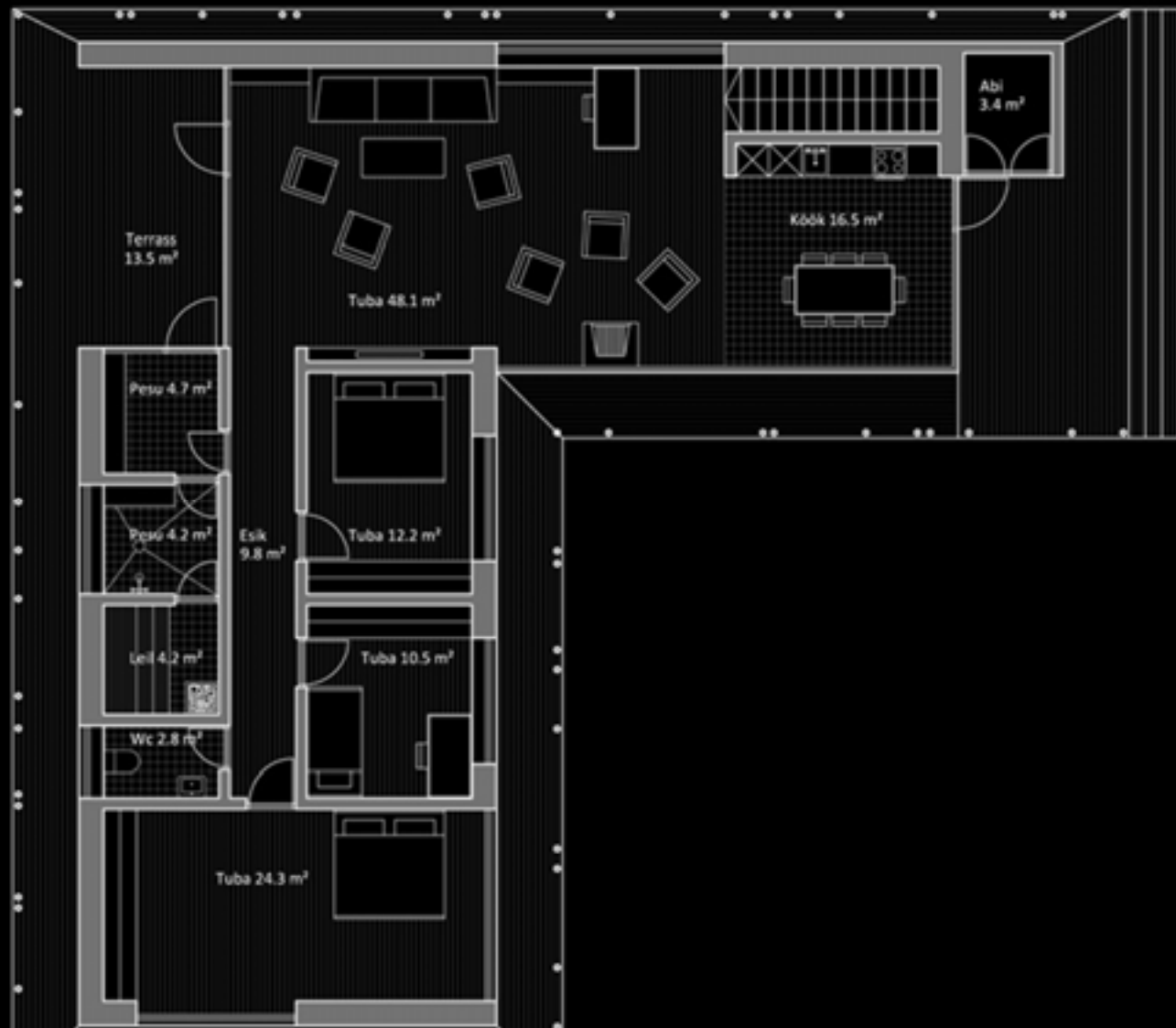




















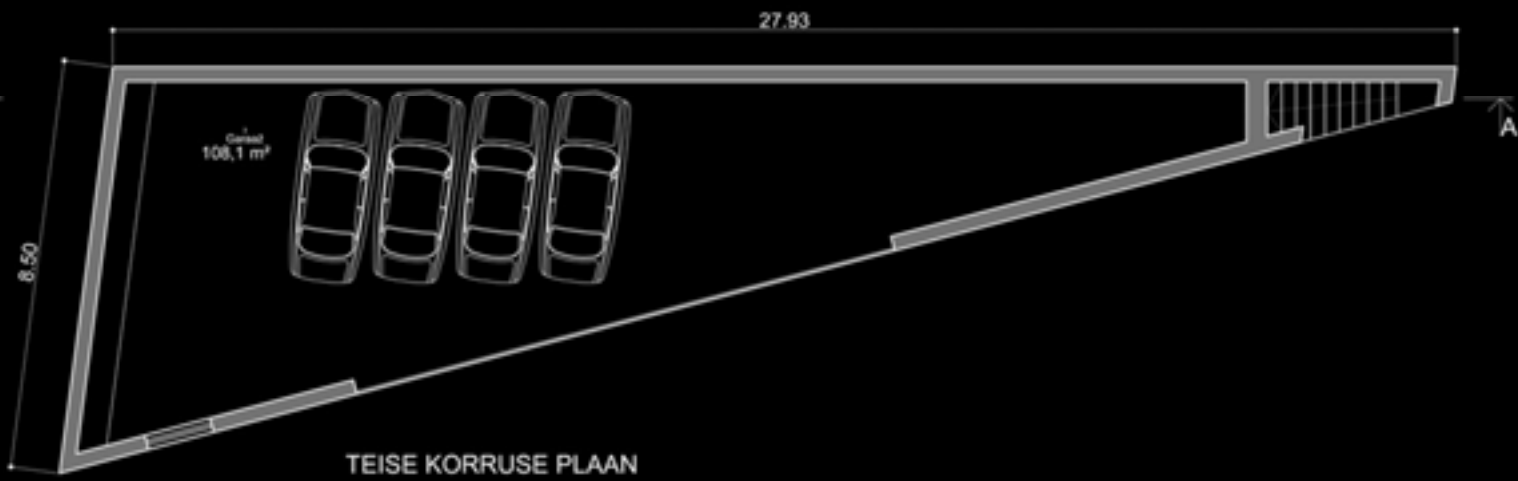
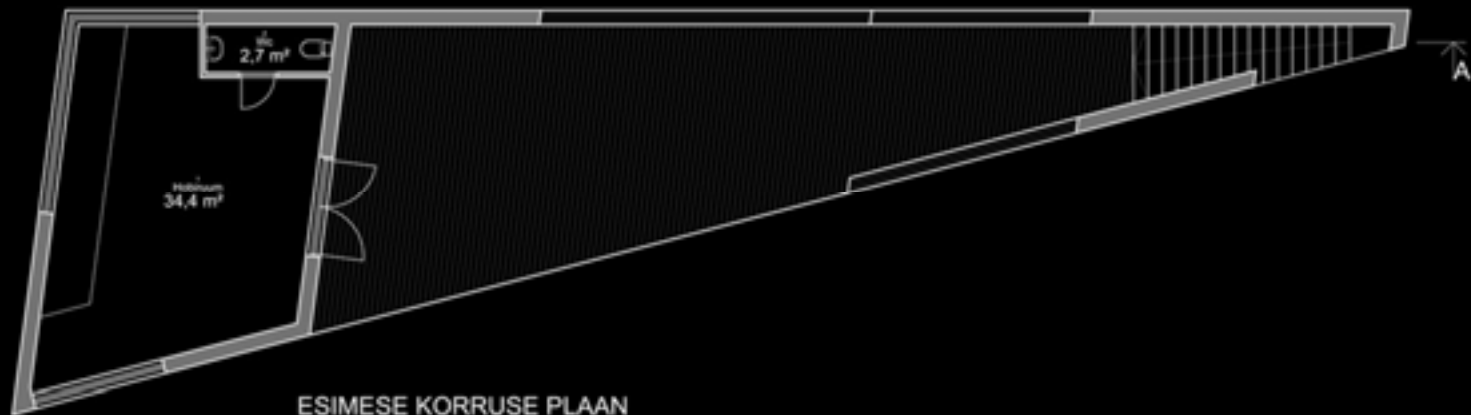


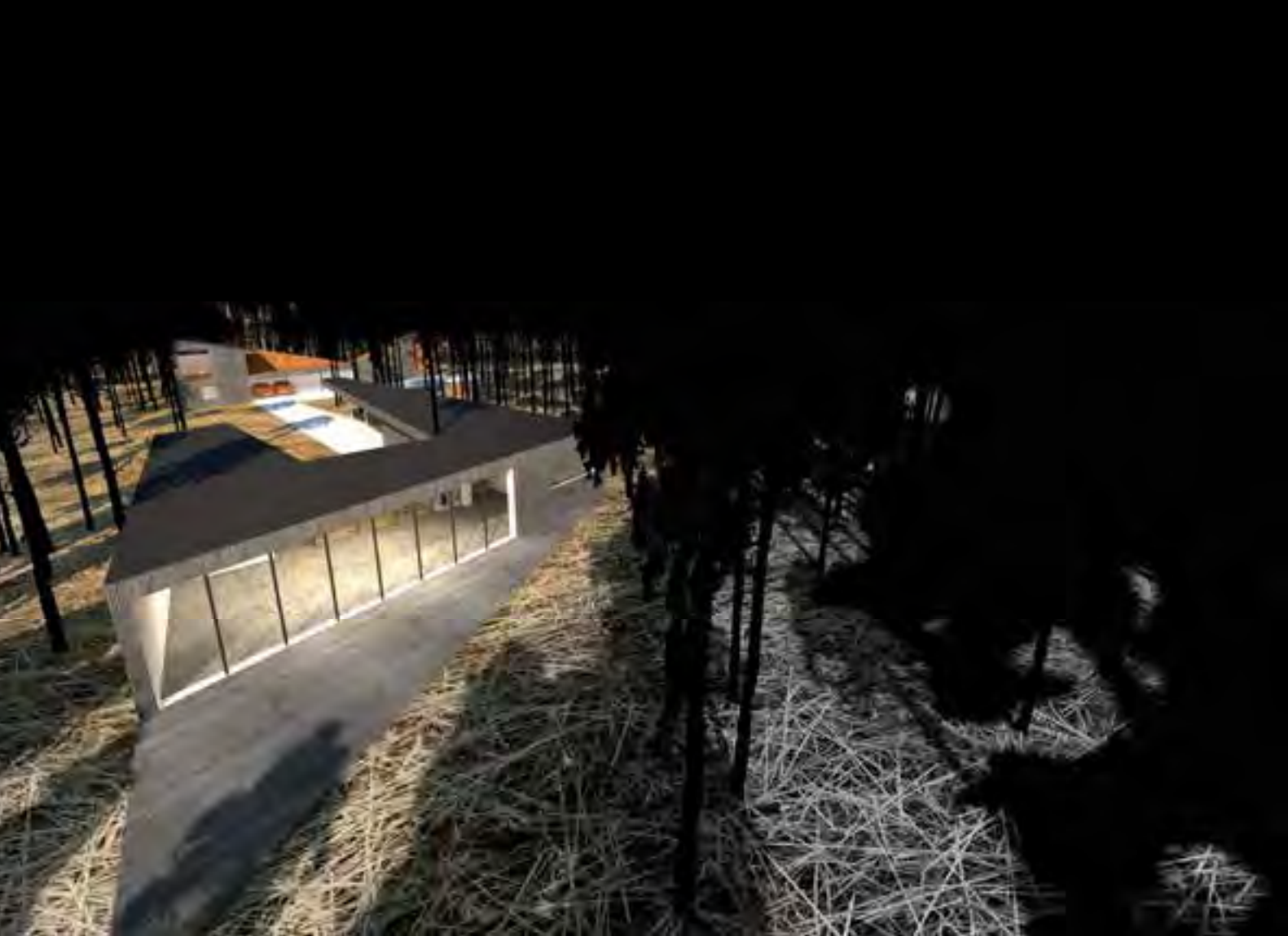
SMÄRGIK:

- OLEMASOLEV HOONE
- PLANEERITAV ABHOONE
- MURUKIVIGA KÄETLÜ JÄRDEPÄÄSÜTEB
- PIIRIKAID
- EHTUSKORRE ALA
- KRÜNKIPID
- OLMEPÕGGI KOHTENARIBO
- SISEPÄÄB
- LIIGIÖÖRITAV KÕRVALJÄÄTUS







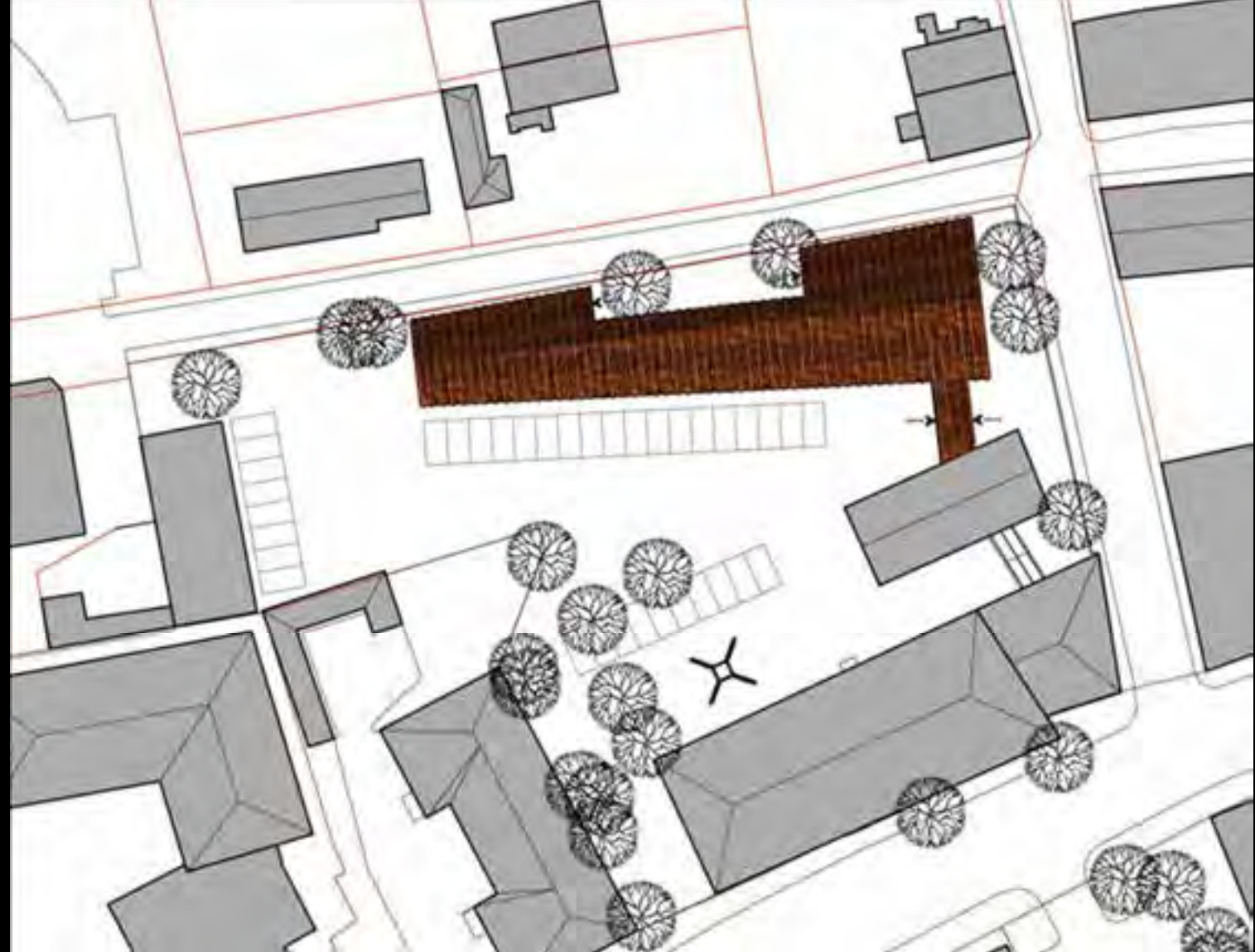


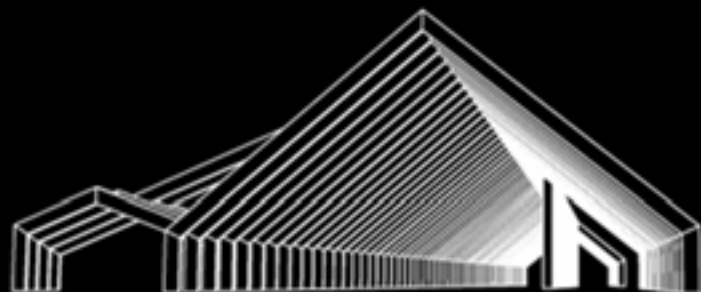
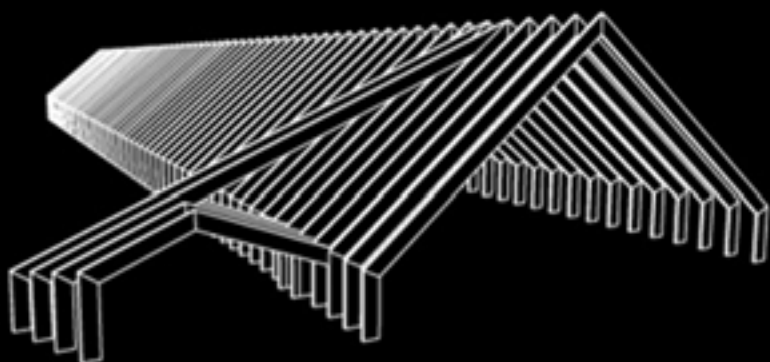
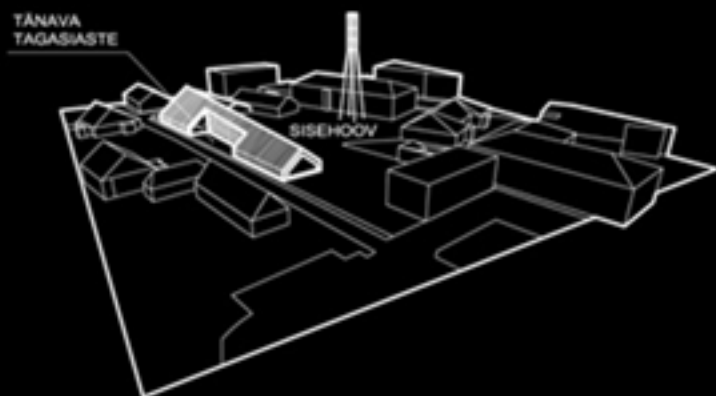
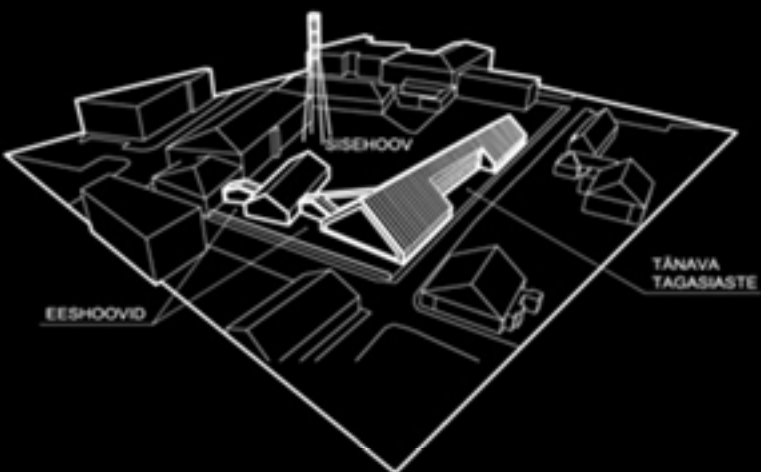




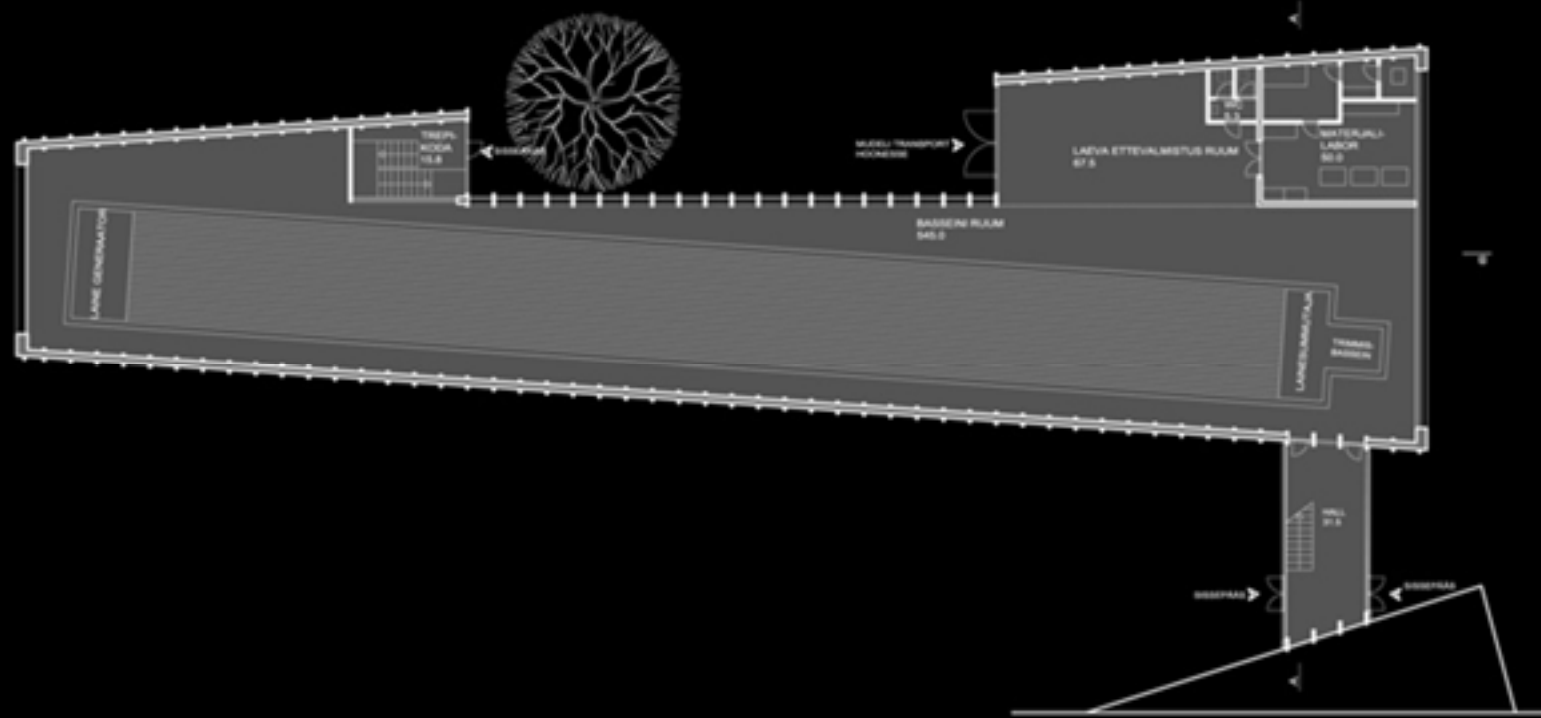


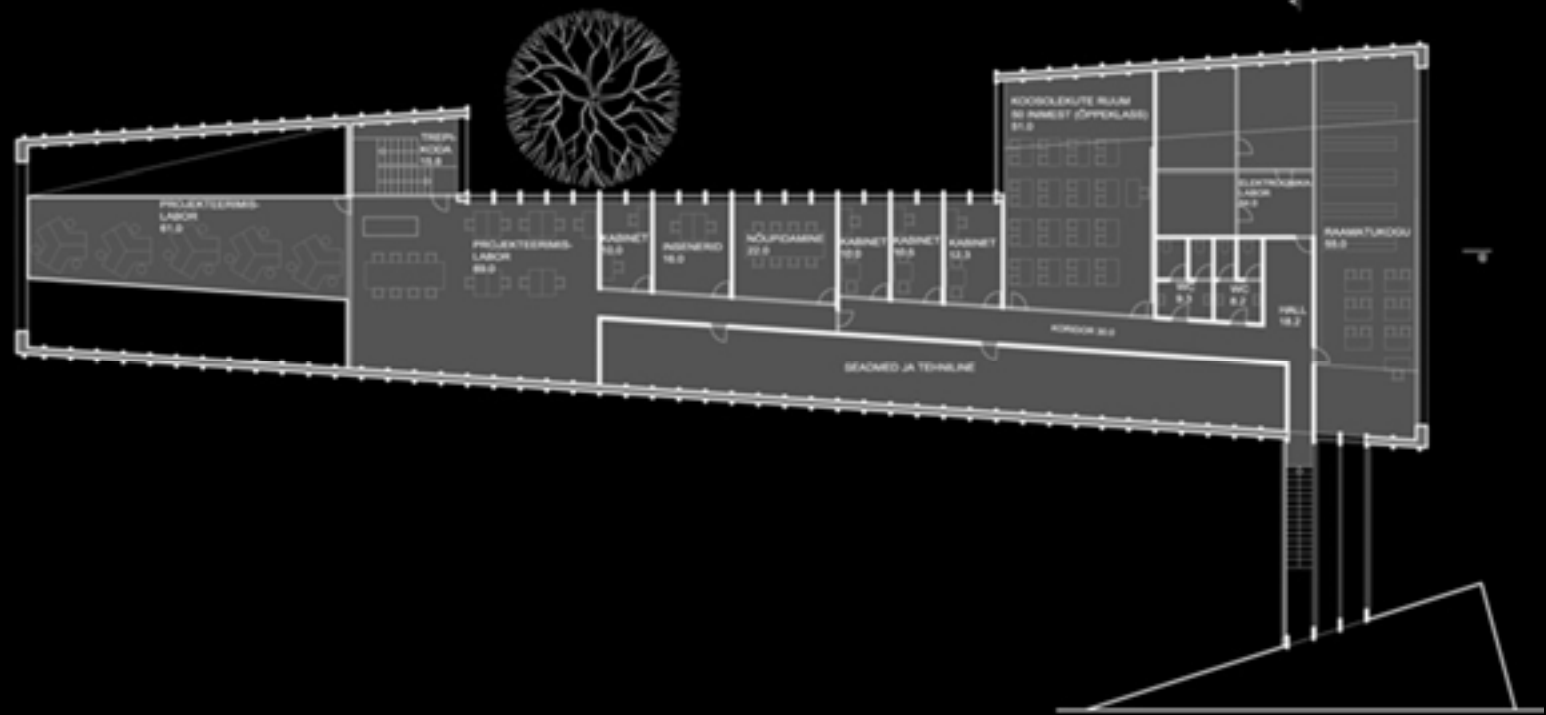






HOONE KARKASS









































1. Karros 1:200



2. Karros 1:200



3. Karros 1:200



4. Karros 1:200



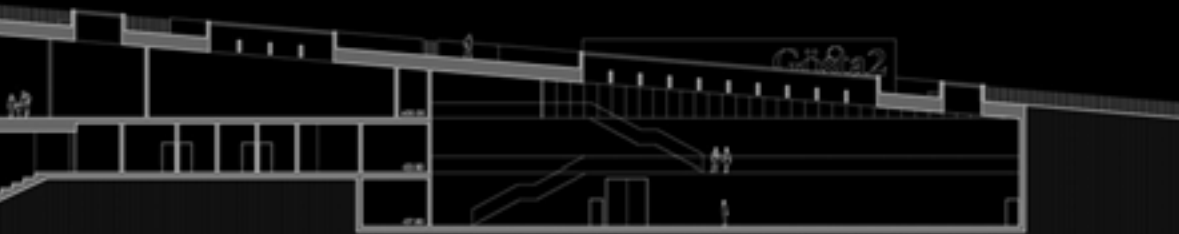


Julkaisu 1:200

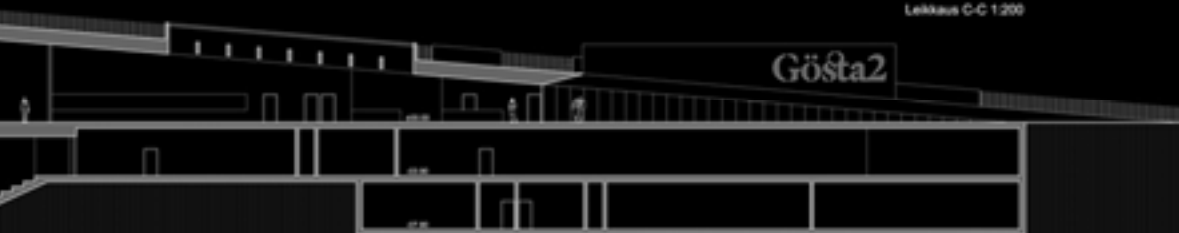


Arkkitehtuurin vertikaalinen puuarkkitektuurikäsitys. Rakennuksen kohdalla on helppo puun väriä varten metalli samoin dimensionoida
kivinen betoni, jonka väriä on joutunut korostamaan
kivi, betoni, massiivipuun, metallialueiden rakenteellisten kirkkaiden
puu

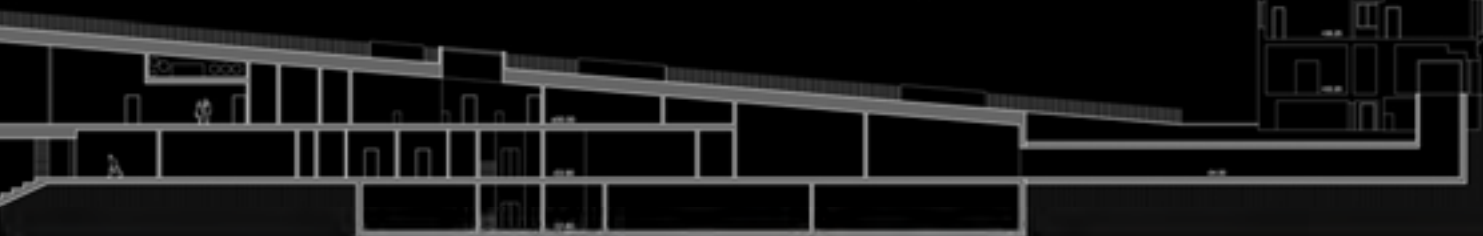




Leikkaus C-C 1:200



Leikkaus B-B 1:200



Leikkaus A-A 1:200

















