

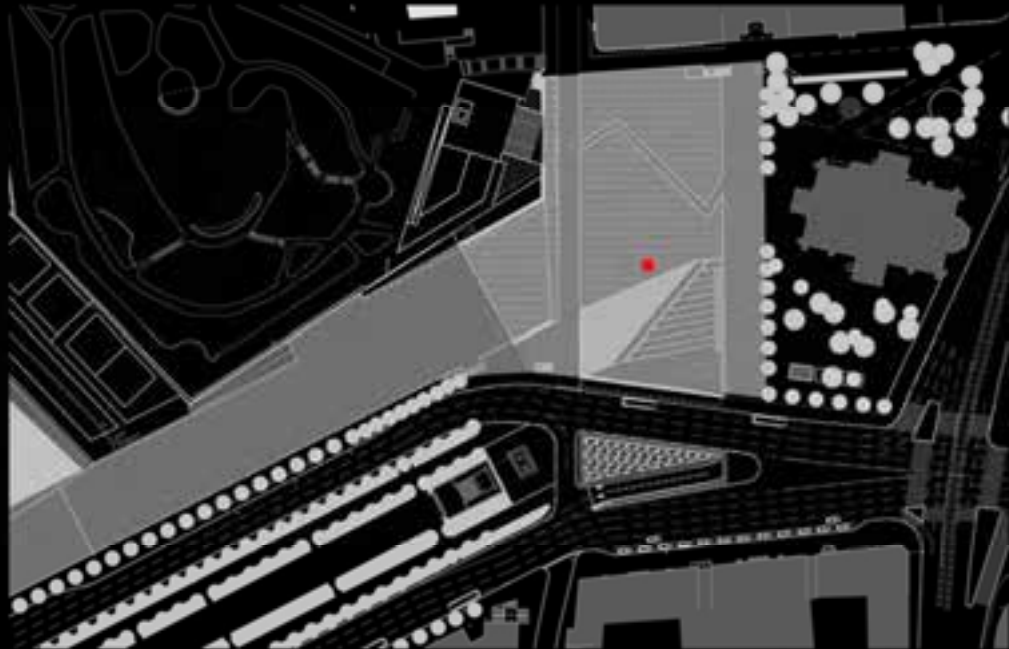
Kadarik,

Tüür.

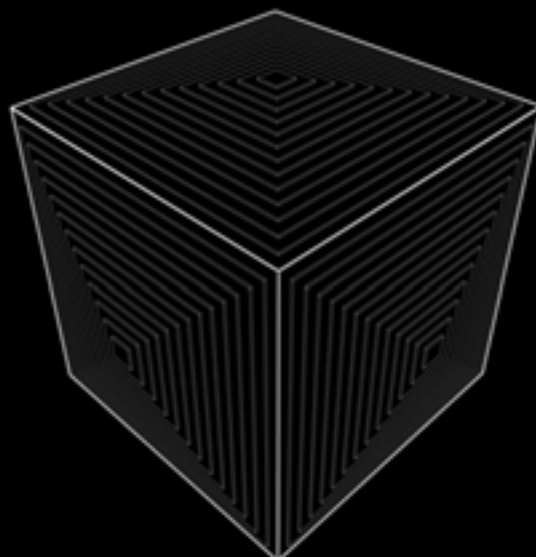
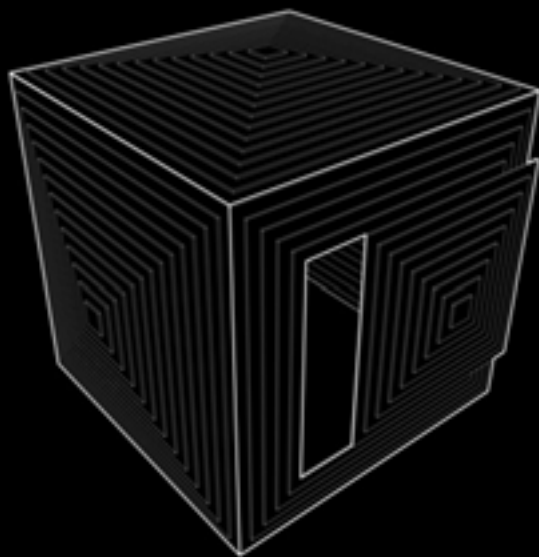
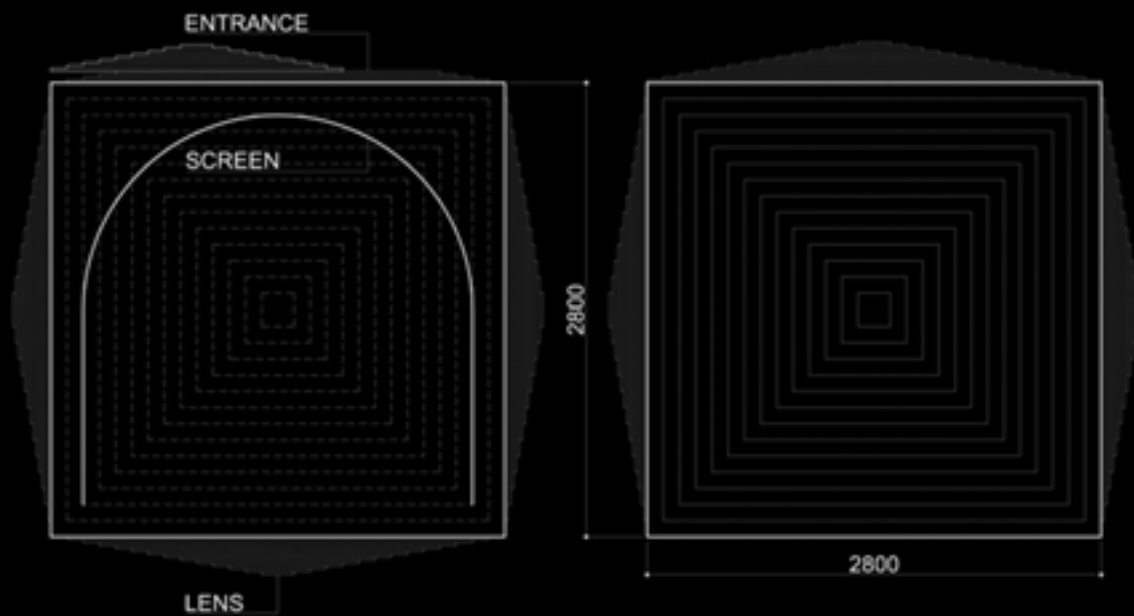
Arhitektid.

PUURUUM















EESTI VABADUSSÕDA
1918-1920







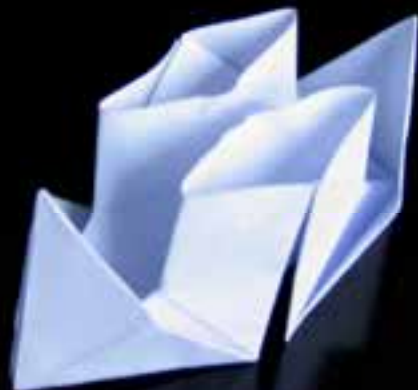


3D PUITMAJA PRINTER





AURIK



AURIK



VAADE A



VAADE B



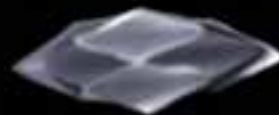
VAADE C



VAADE D



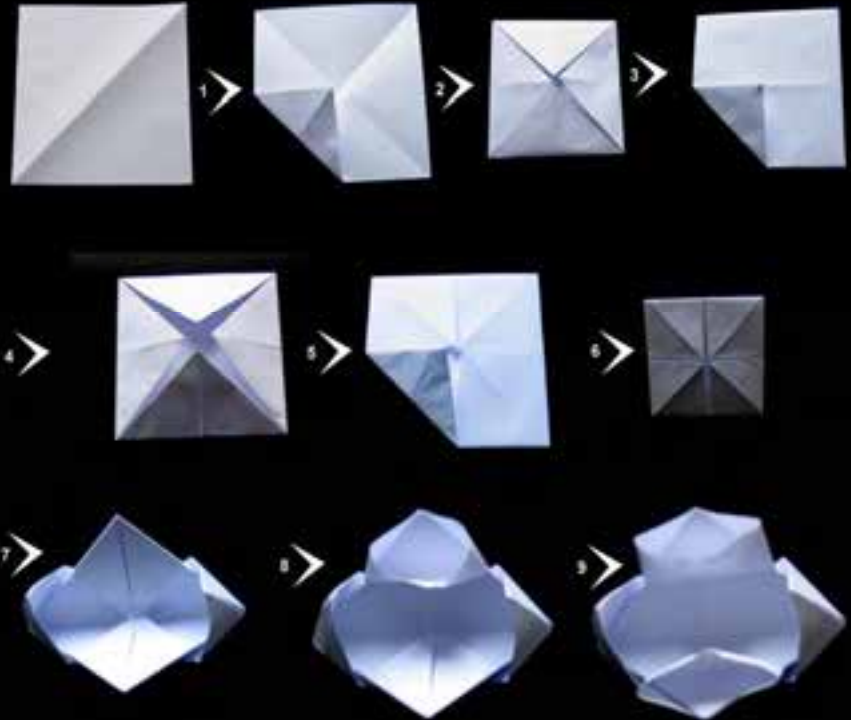
LÕIGE A-A

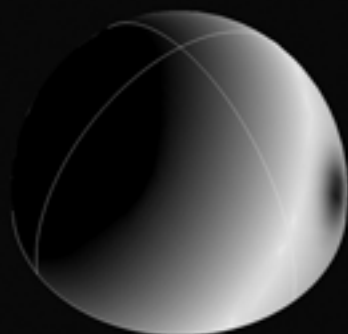


PLAAN

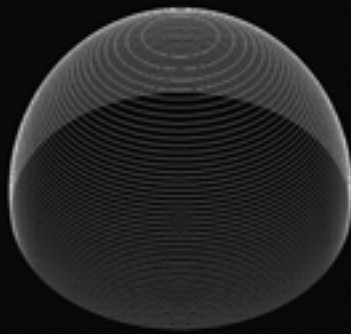


AURIK

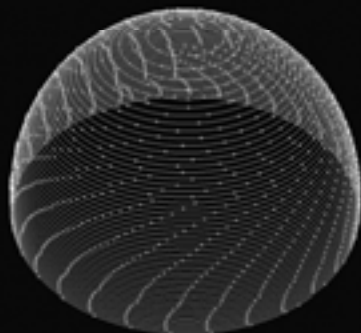




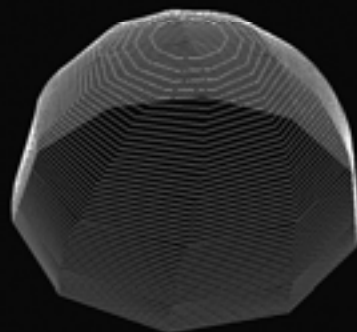
1. SOOVITUD RUUMIGEOMETRIA



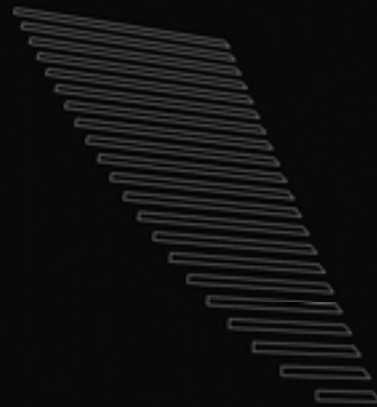
2. SEE JAOTUB KIHTIDEKS



3. IGA KIHT JAGUNE B PUNKTIDEGA

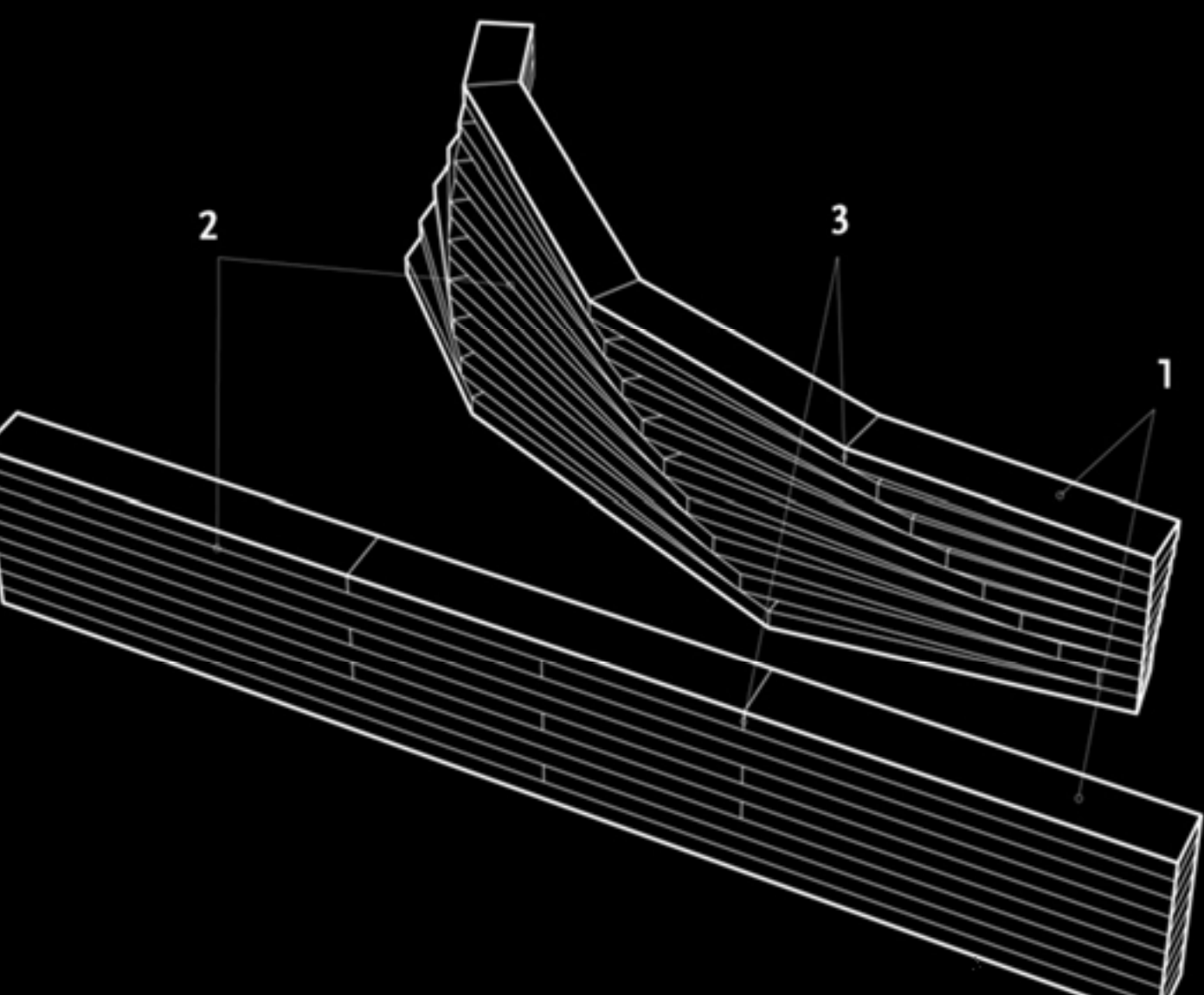


4. PUNKTID ÜHENDATAKSE SIRGETEGA

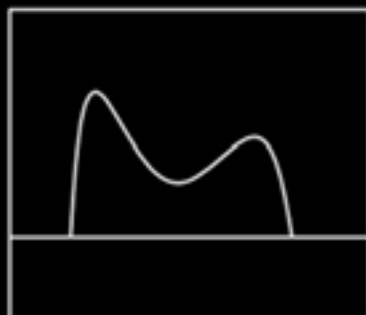


5. SIRGED DEFINEERITAKSE
ELEMENTIDEKS PIKKUSE JA
OTSA NURGA KAUDU

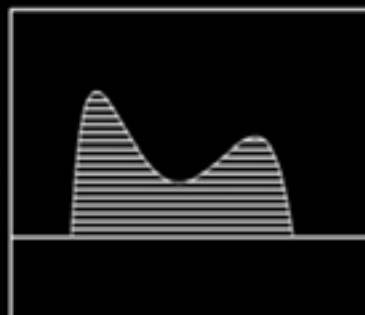
PARAMEETRILISE PROJEKTEERIMISE VIIS TÖÖOPERATSIOONI, ET TOOTA TÖÖJONIS



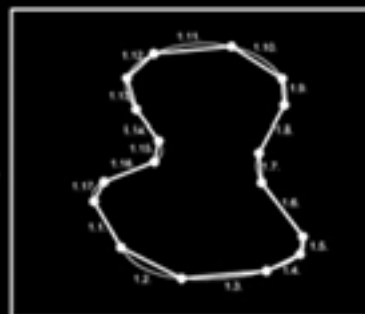
HORISONTAALSETEST
PUITLAMELLIDEST
EHITUSSÜSTEEM



MAHU 3D DIGITAALNE
DEFINITSIOON



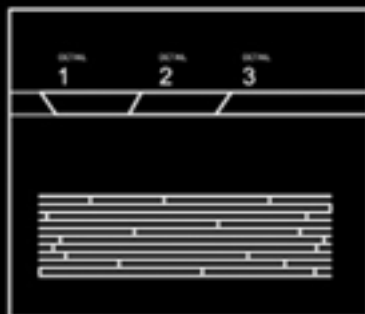
HOONE HORISONTAALID
MATERJALI PAKSUSE JÄRGI.



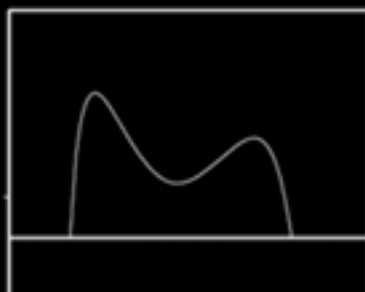
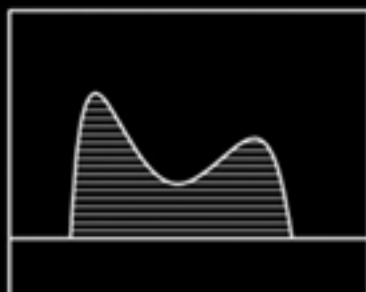
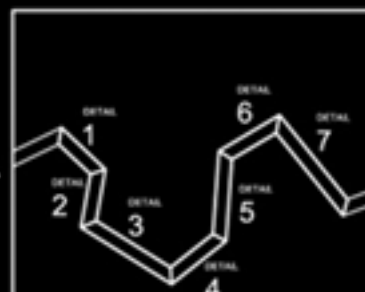
HORISONTAALI JAGUNEMINE
SIRGLÕIKUDEKS

KMID	TÕUKI NR.	ELEMENDI PÄIKUS	TAPP 1 ALUNE	TAPP 2 ALUNE
1	1.1	2090	14	20.49
1	1.2	2045	-20.49	16.34
1	1.3	2085	-16.34	56.34
1	1.4	1256	-56.34	20.49
1	1.5	865	20.49	46.49
1	1.6	2057	46.49	6.18
1	1.7	1265	-6.18	28.27
1	1.8	2085	-28.27	53.12
1	1.9	676	53.12	6.49
1	1.10	1543	-6.49	43.49
1	1.11	1.12	43.49	16.2
1	1.12	2356	-16.2	17.98
1	1.13	1543	-17.98	20.49

TABEL ELEMENTIDE ANDMETEGA,
MIS EDASTATAKSE OTSE SAE
PROGRAMMI.

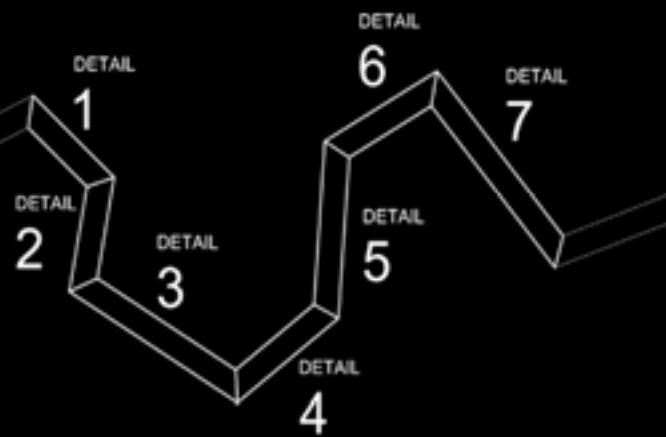


ELEMENTIDE SAAGIMINE,
NUMBERDAMINE JA PAKKIMINE



SEINA PLAAN

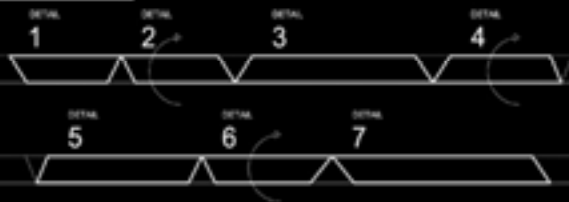
DETAILIDE SAAGIMINE PRUSSIST



DETAILIDE RIDA SIRGEL JOONEL



IGA TEISE DETAILI PÕRANIMINE



DETAILIDE RIDA ENNE VÄLJALÕIKAMIST







Free form geometry

It's so flexible architects can let their imagination run free. We can build innovative projects from the 3D digital environment and still without giving near's effects to the construction supervisors on-site managers. With the Glaser technology you can build any shape without taking care for original form, whether horizontally, vertically or three-way. After all - the latter is the only really available resource we've got.

Renewable material

Using timber. Just go to one of our construction sites and you'll think why. It's a resource that's light, durable, renewable and above all just feels right. You can reuse your timber several in 30 years - taking well over at least 50 such periods. Not a bad rate, not even into happy retirement.

Energy efficient

An energy efficient building as it gets - taking into consideration all parts from raw materials to the tails of the installation. The whole system, where to calculate the building exactly by closed roads - up several hours. So the construction starts reasonable for the end - depending on your tax system etc.



Description of the system

Glaser system takes four steps to create a building with all the characteristics described. In the first phase an idea is transformed into a list of parameters followed. The second phase takes the data from the program and uses it to create models before to create precise plans ready for assembly. The building is put together from industrialized parts based not to creation of the project. It is the closest to printing a house you'll ever get.



4 step system

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

Eco-nomical

Usually building projects are layered in the price zone. Old factories used to build big houses where one single layer of construction was the beams, floor and outer finishing. We have realized that it is still the case today. Keeping the building simple is good for everybody you'll end up with an object you planned, your workers will have clear objectives, your construction supervisor won't leave in the middle of the building process and above all - your customer will be extremely positive as well as your clients.

Eco

We believe that green thinking is vital, but it has to be reasonable. It is sustainable only if there isn't suffer from inconveniences. That's what we do - bringing together the expectations of the modern consumer with the ecological thinking. You don't have to compromise, the architect doesn't have to leave great ambitions and you don't have to be embarrassed in the presence of your ecologically conscious friends. Trust us - there's gonna be more and more of them and they have a valid point.

Logical

Common builds logically - in every aspect. We like to think that our building system is as logical - it's changing the way you think about construction. Get the 3D model from your architect and we'll make it in 3D scale - it is the closest thing to printing a house you'll get. We've all noticed why anyone else hasn't done it already.

Breathable

With Glaser technology you'll end up with fully breathable building. We have designed the system to preserve all positive characteristics of timber and to eliminate the undesirable ones. The system preserves the breathability of the material - it is the most natural ventilation system you'll come across. After all - it has been working for centuries without a glitch.

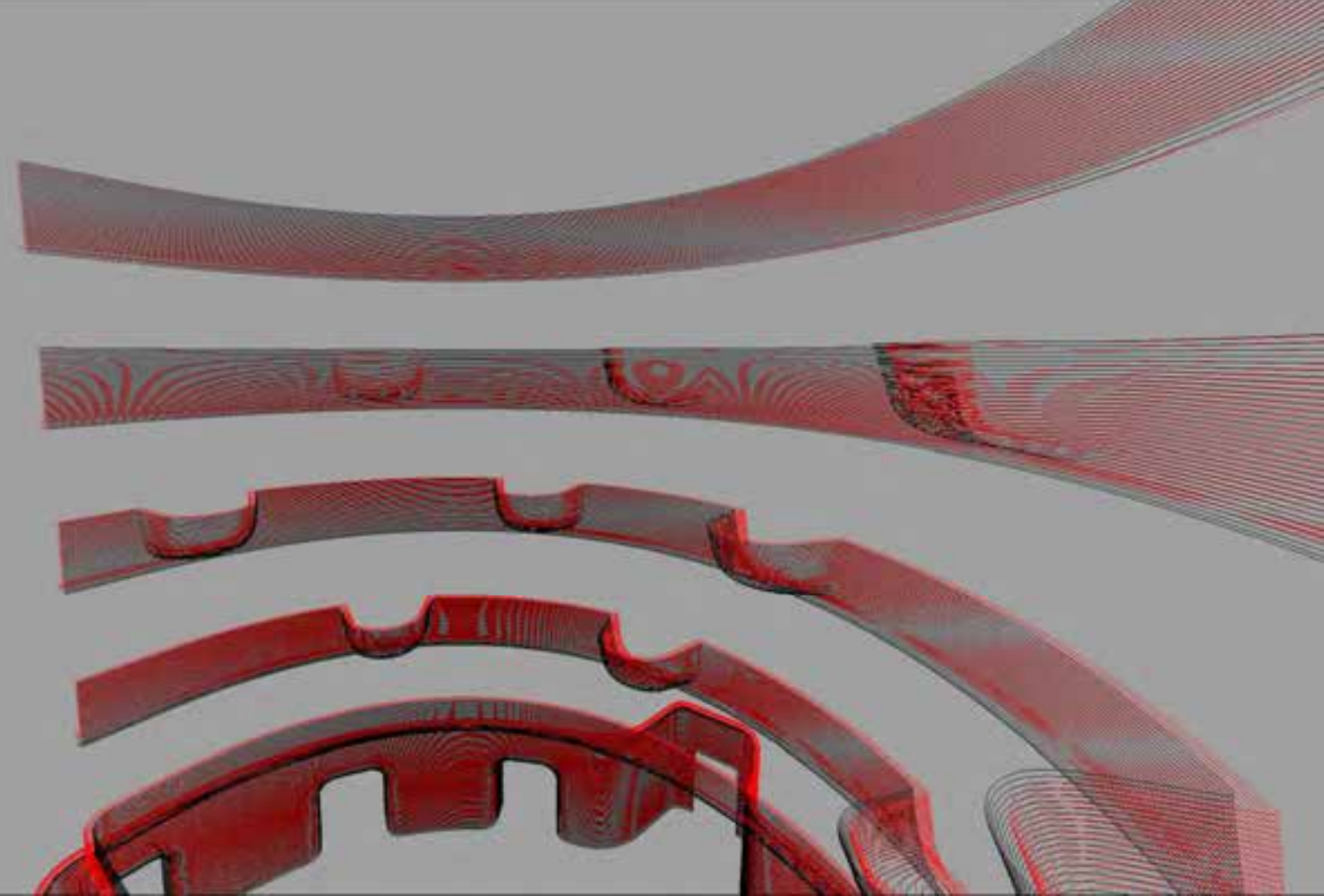
Allergy free

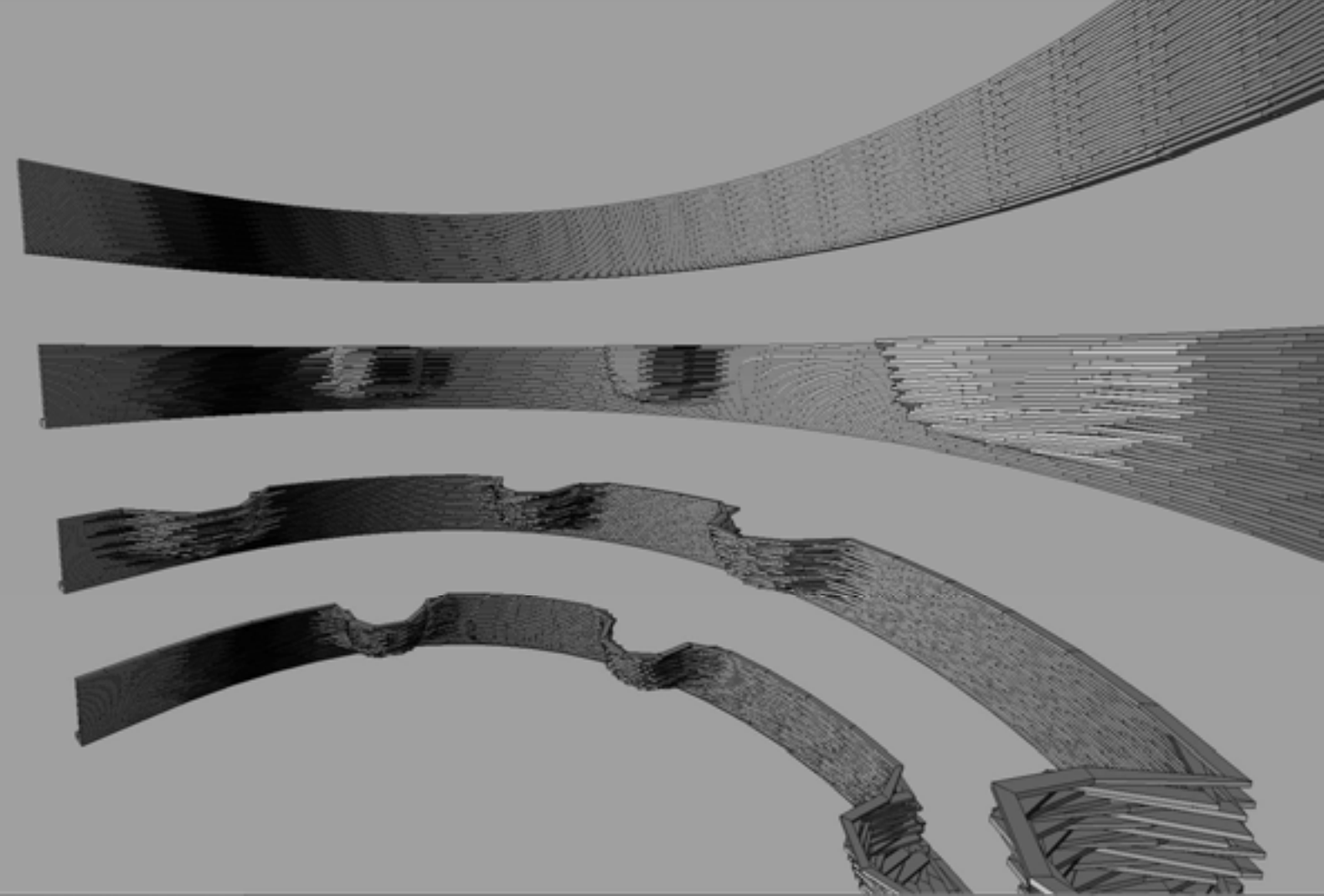
Timber is said to be such a good material you just have to not run it with chemicals. That's what we base on mind - keep the living environment allergy free and you'll have a growing pool of clients.

Uncollapsible

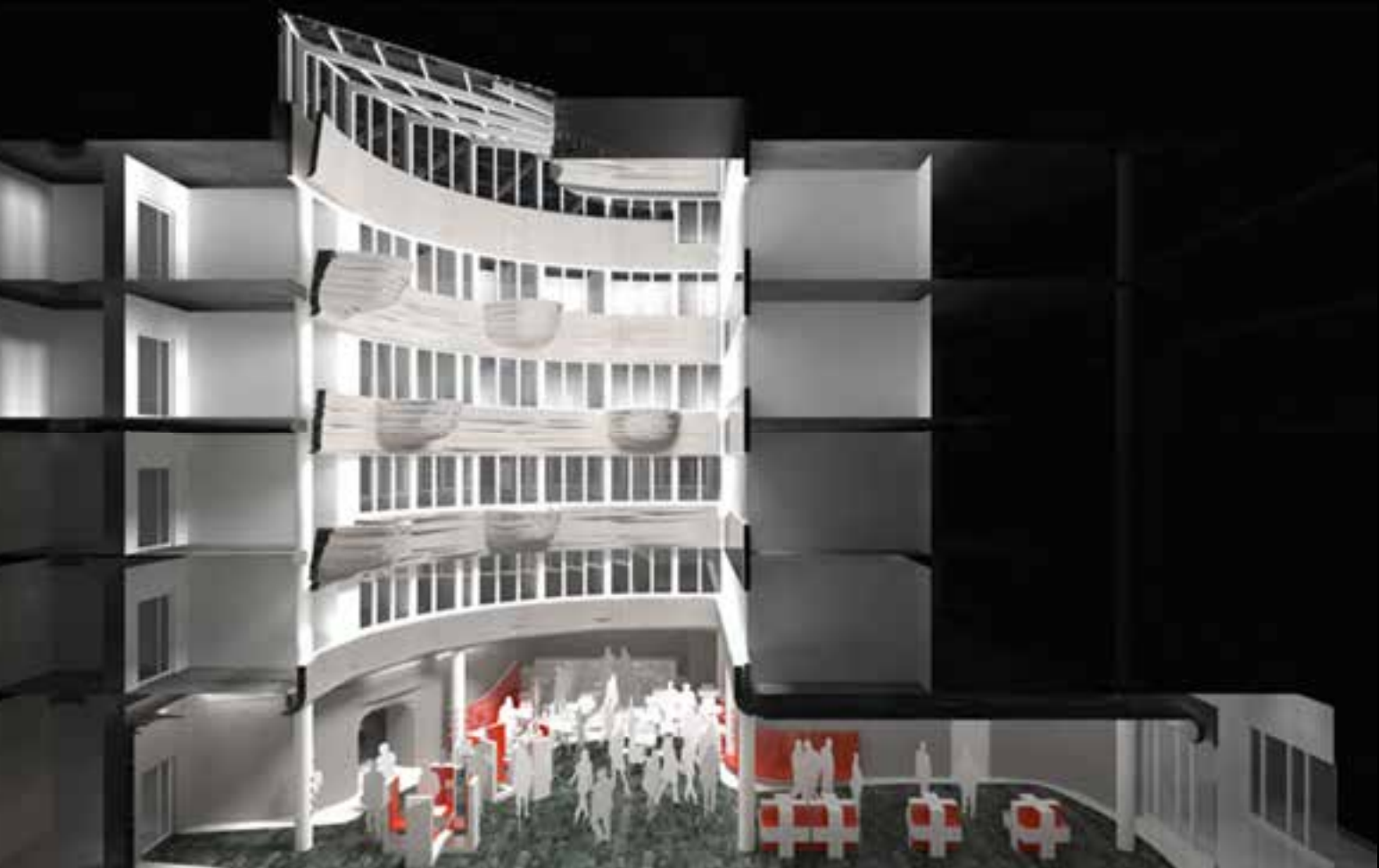
It is a brain buster - we know. But you know the reason why you have to avoid it - a disaster during an earthquake? Being in one of our constructions is as safe. That's the exact part of the construction system - the whole construction is a bearing structure. It is a tough nut to crack for demolition experts. Just we like to cut an challenge.

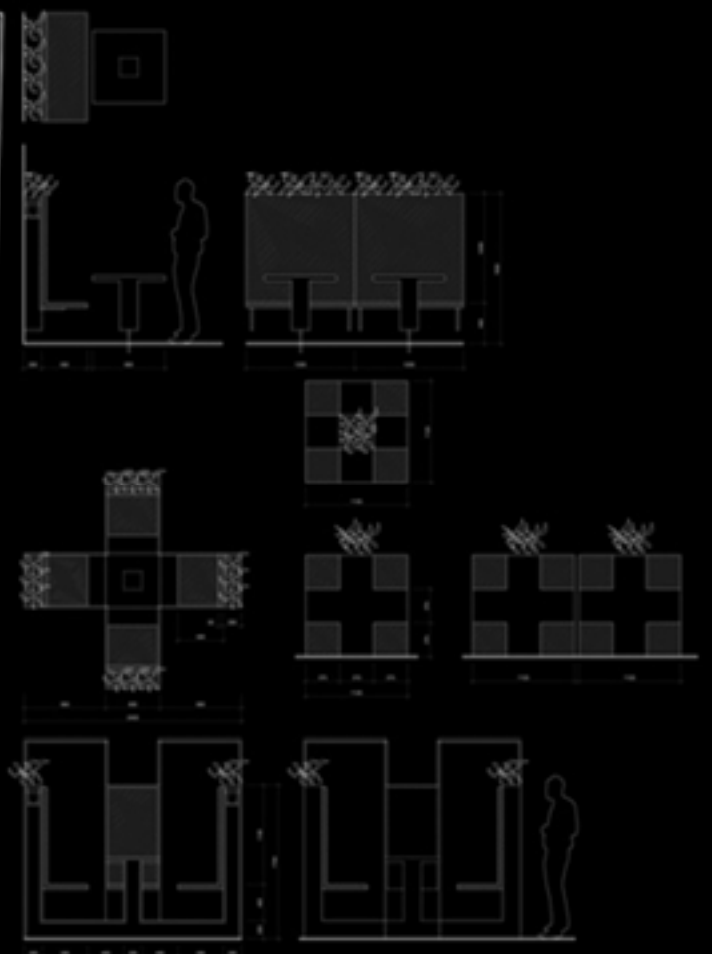
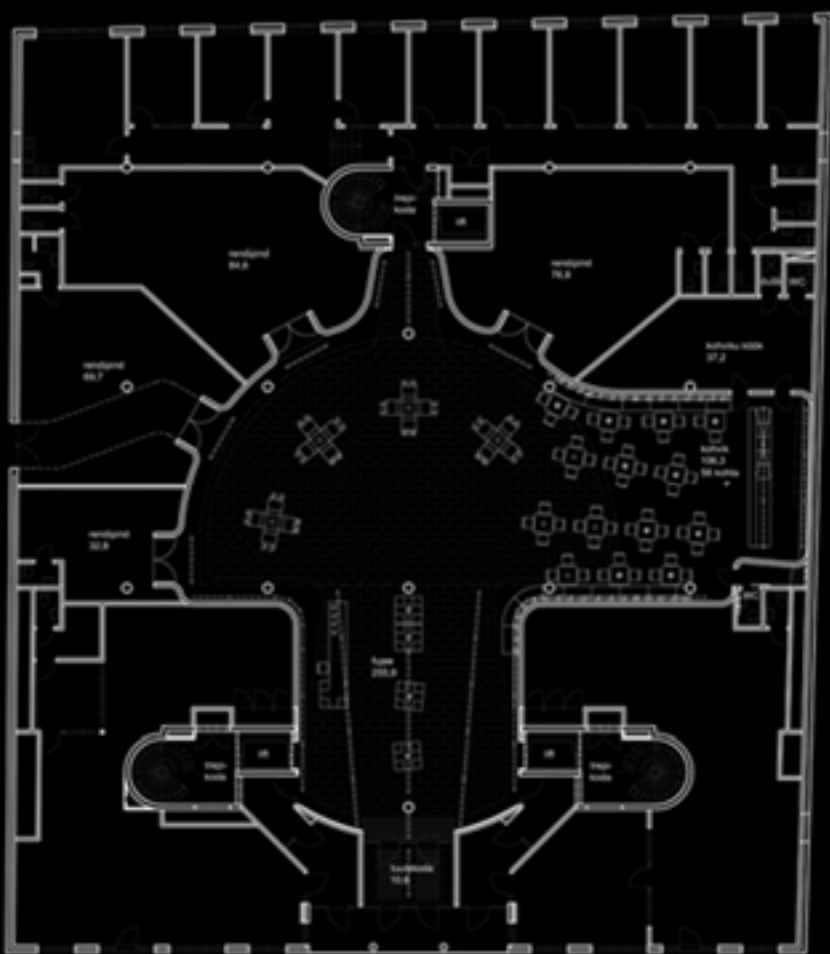








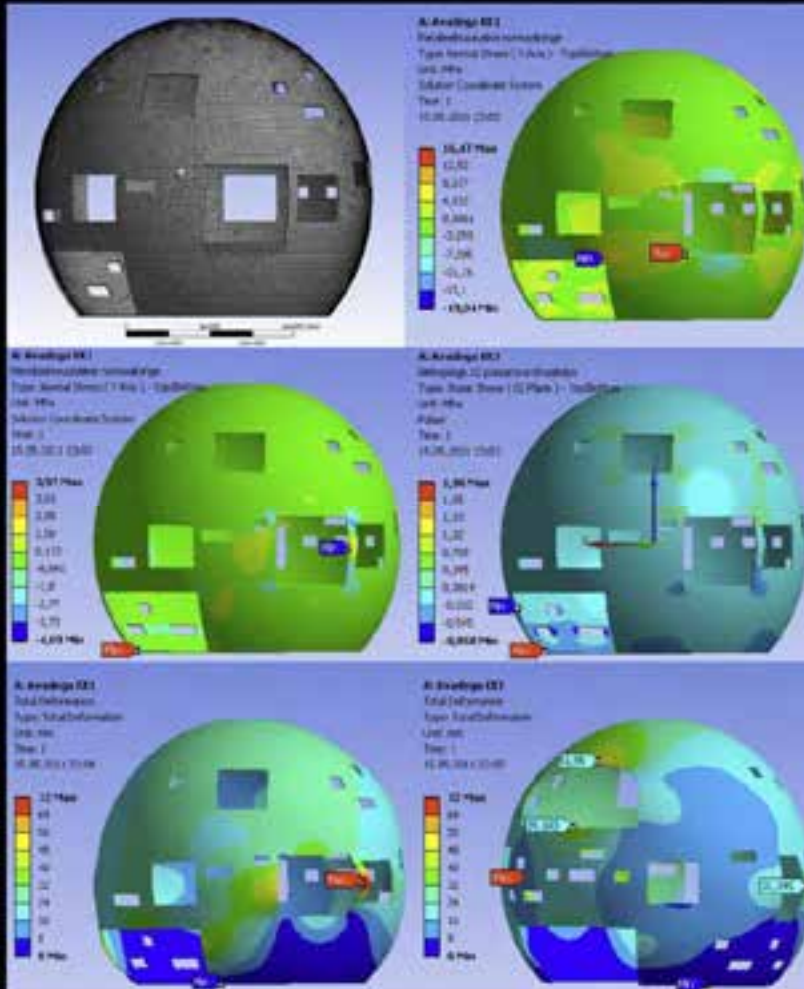


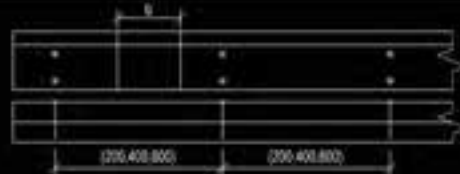












Joonis 8 Liimitud prussid

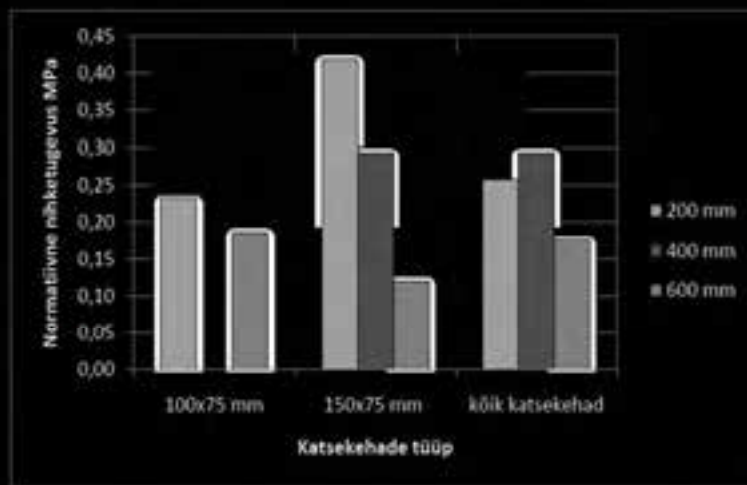


Katsekeha

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.



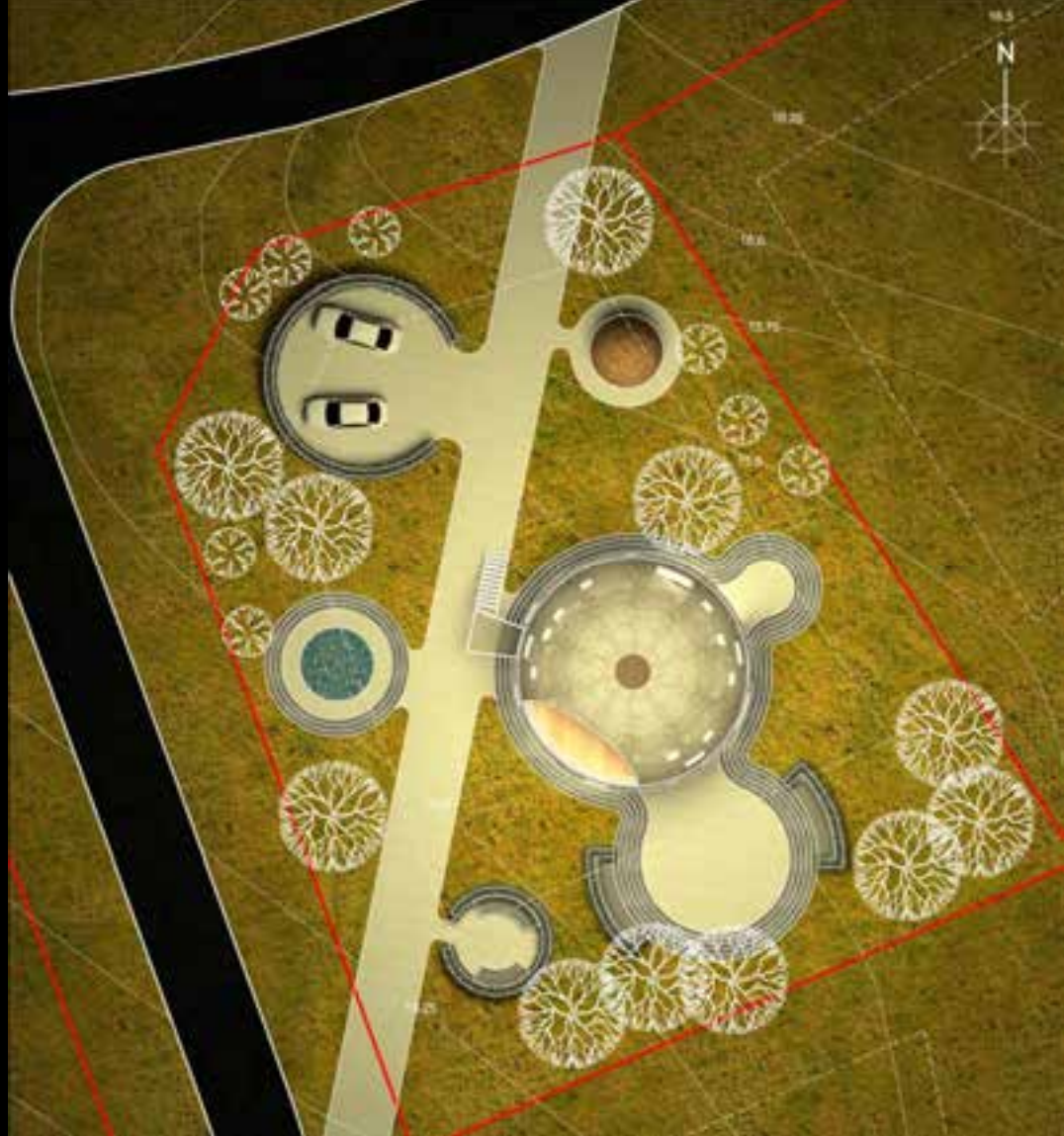


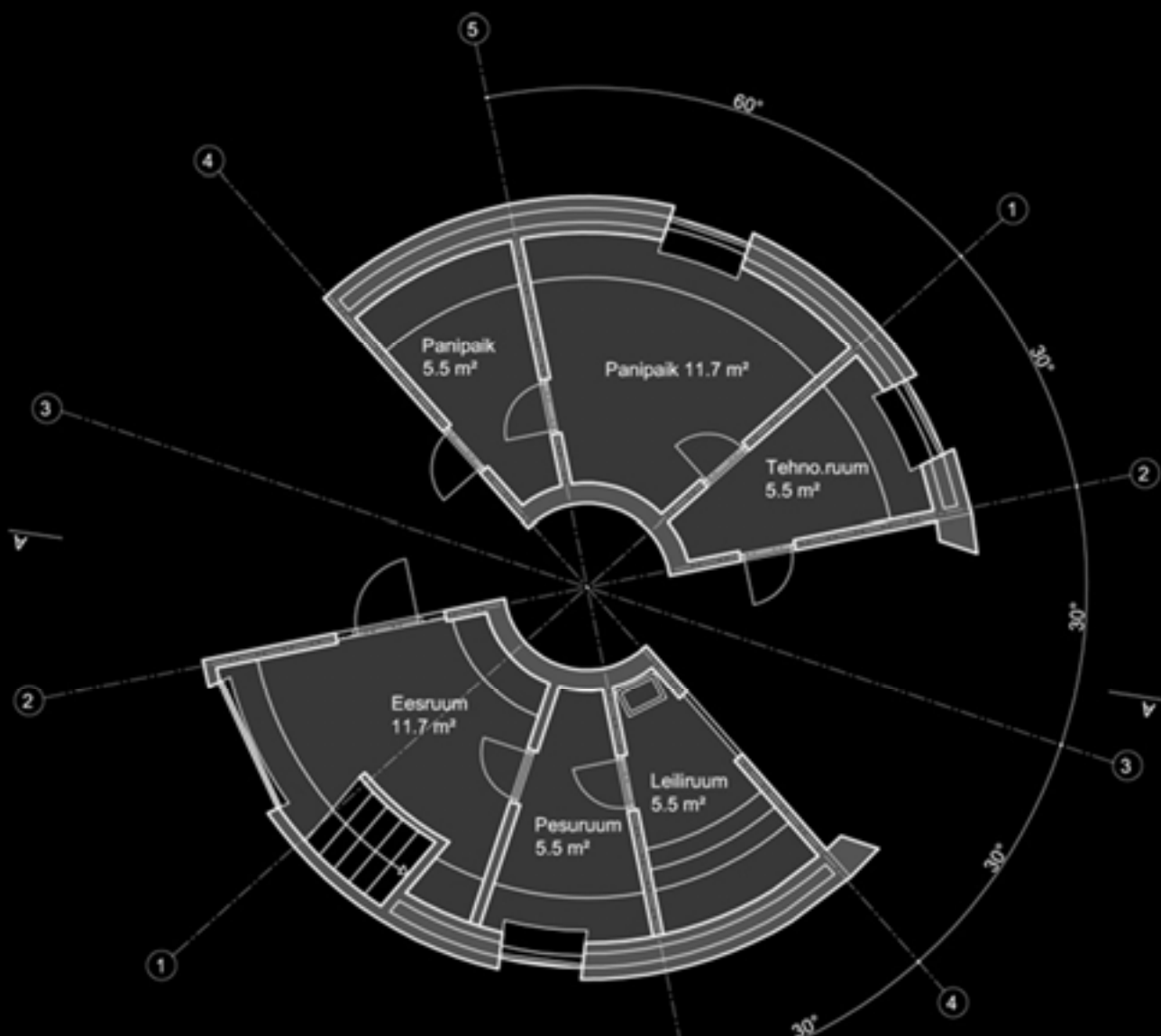
Normatiivsed nihketugevused erineva naelte sammu ja erinevate katsekehade korral

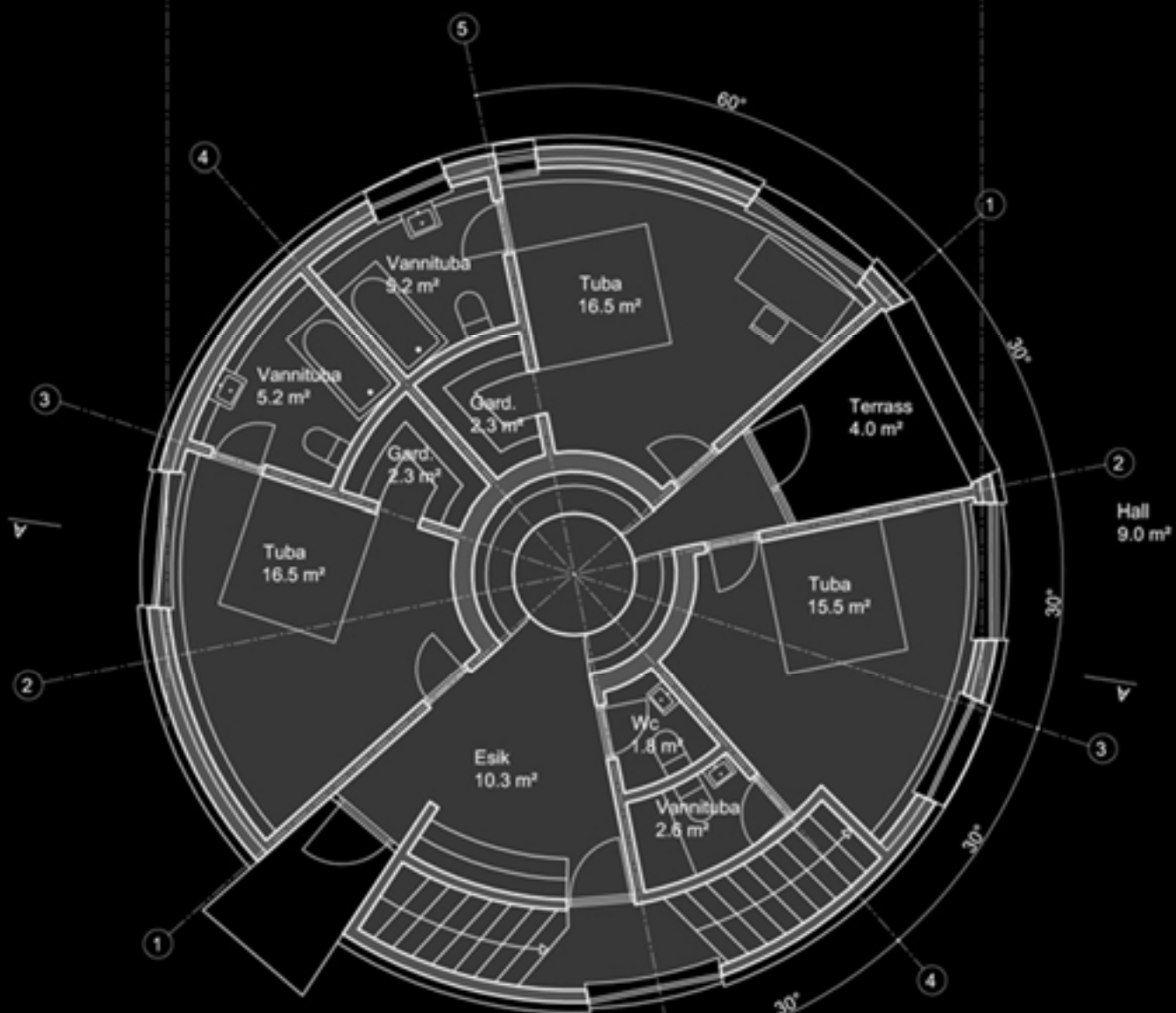
Järeldused katsetustest

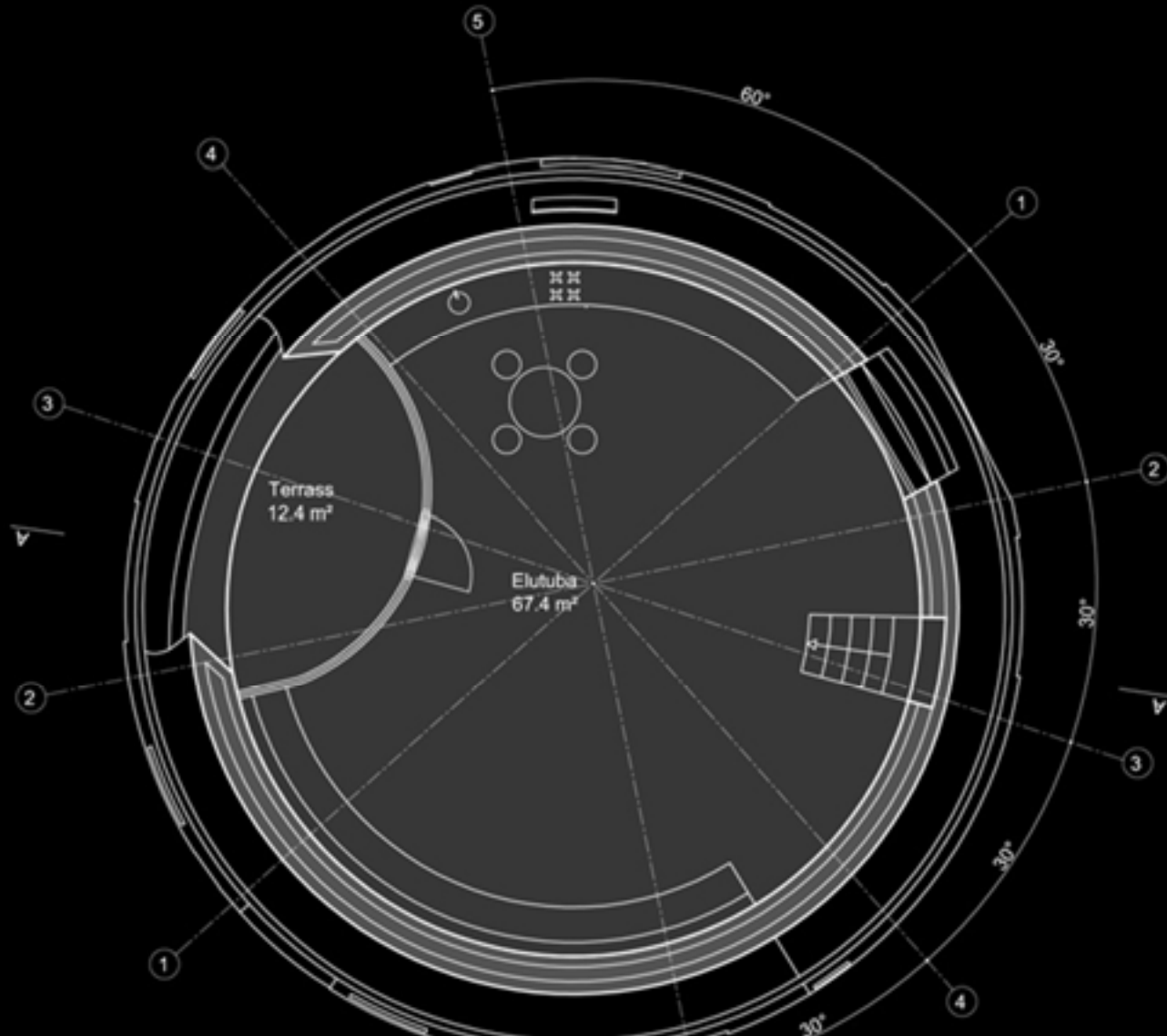
Nagu jooniselt 11 näha, siis kuigi 100x75 mm katsekehade puhul 200 ja 600 mm naelte sammu korral saavutati lähedased tulemused, olid täpsemaid tulemusi andvate suuremate katsekehade korral tugevused selgelt sõltuvuses naelte sammust. Kui võrrelda 200 ja 400 mm sammuga katsekehi, siis suurema nihkepinna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

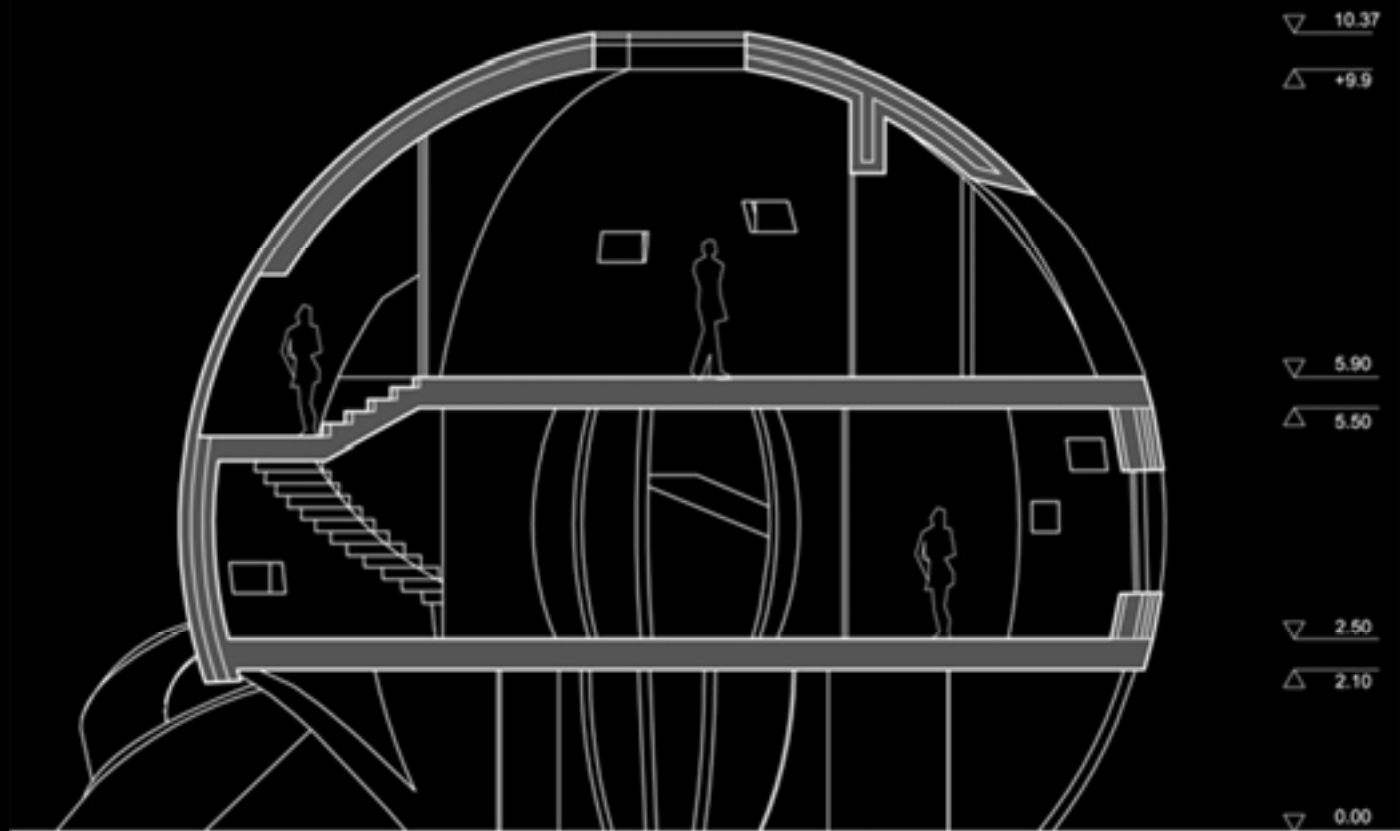
Kuna normatiivset puidu tugevust ei saavutatud ühegi sammu juures, siis on oluline muuta liimimise meetodikat või teha tugevusarvutused vastavalt katsetele

















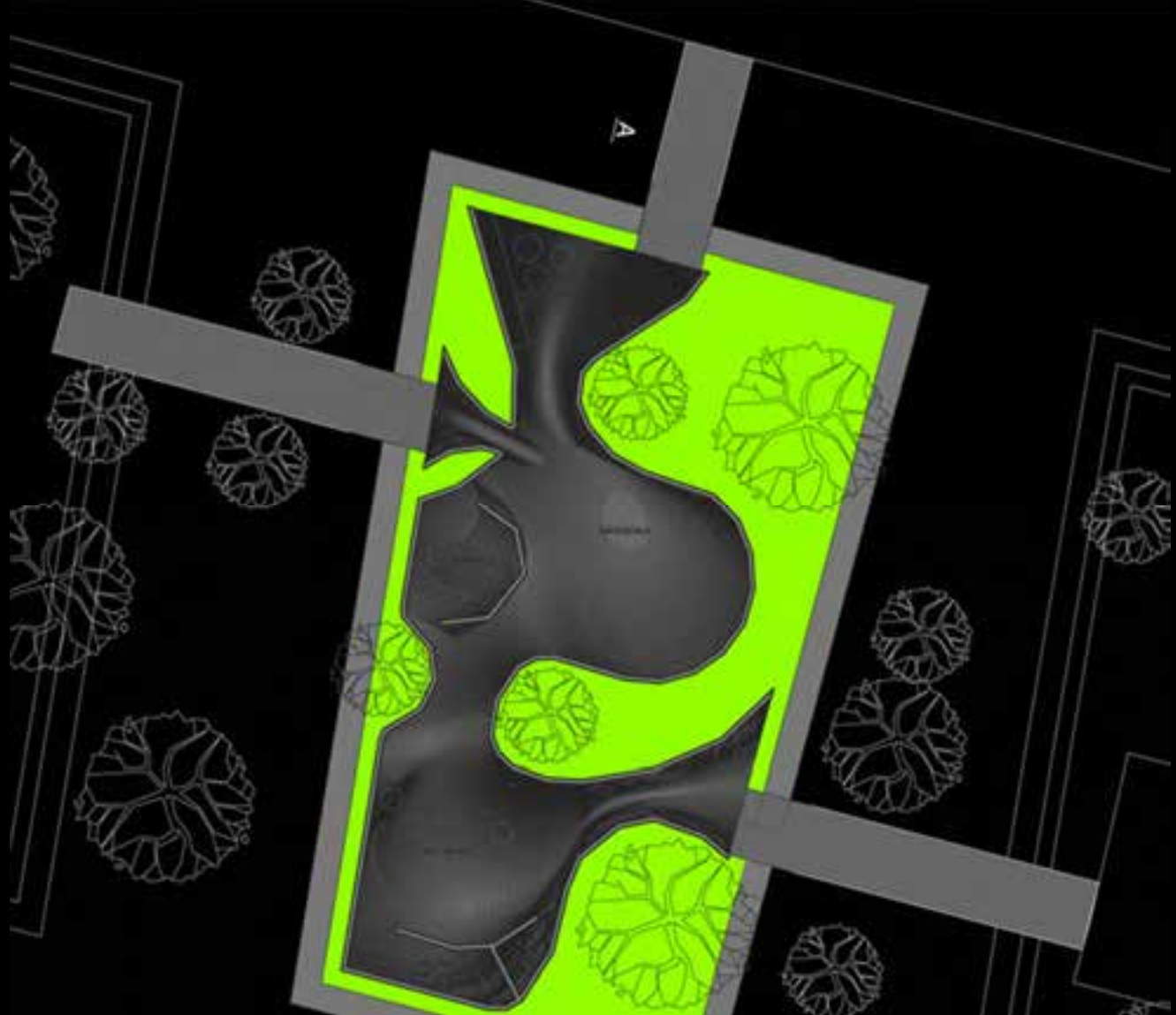




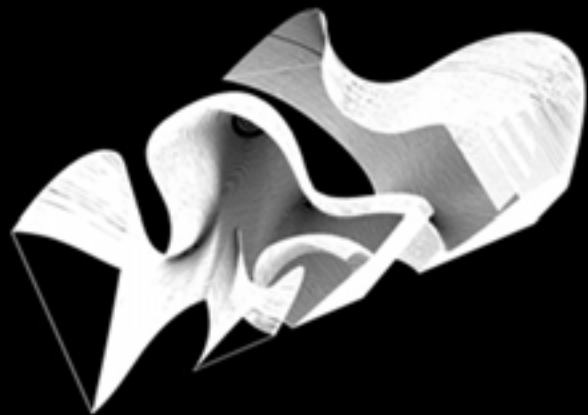
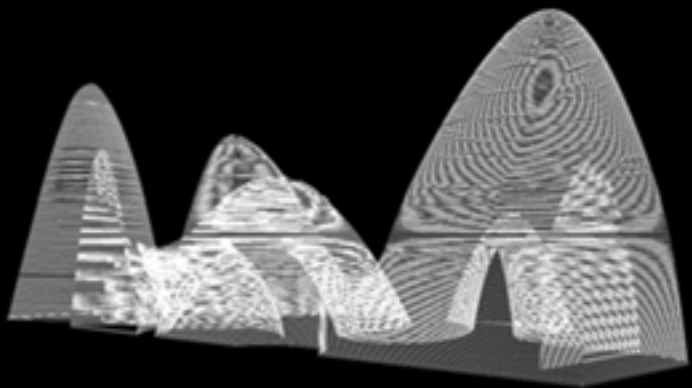
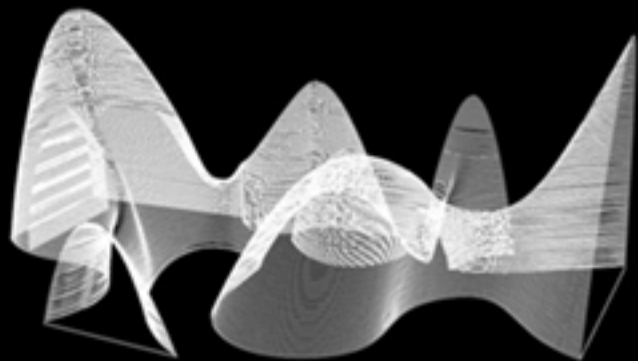
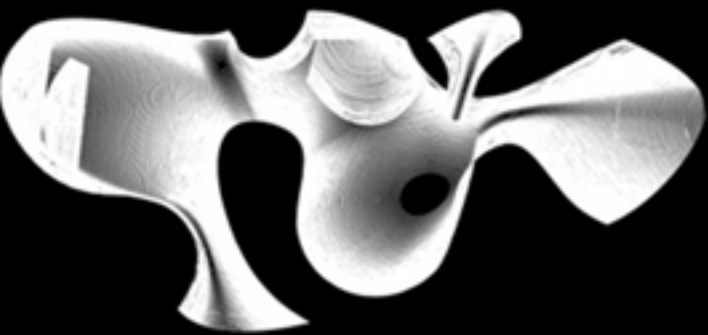










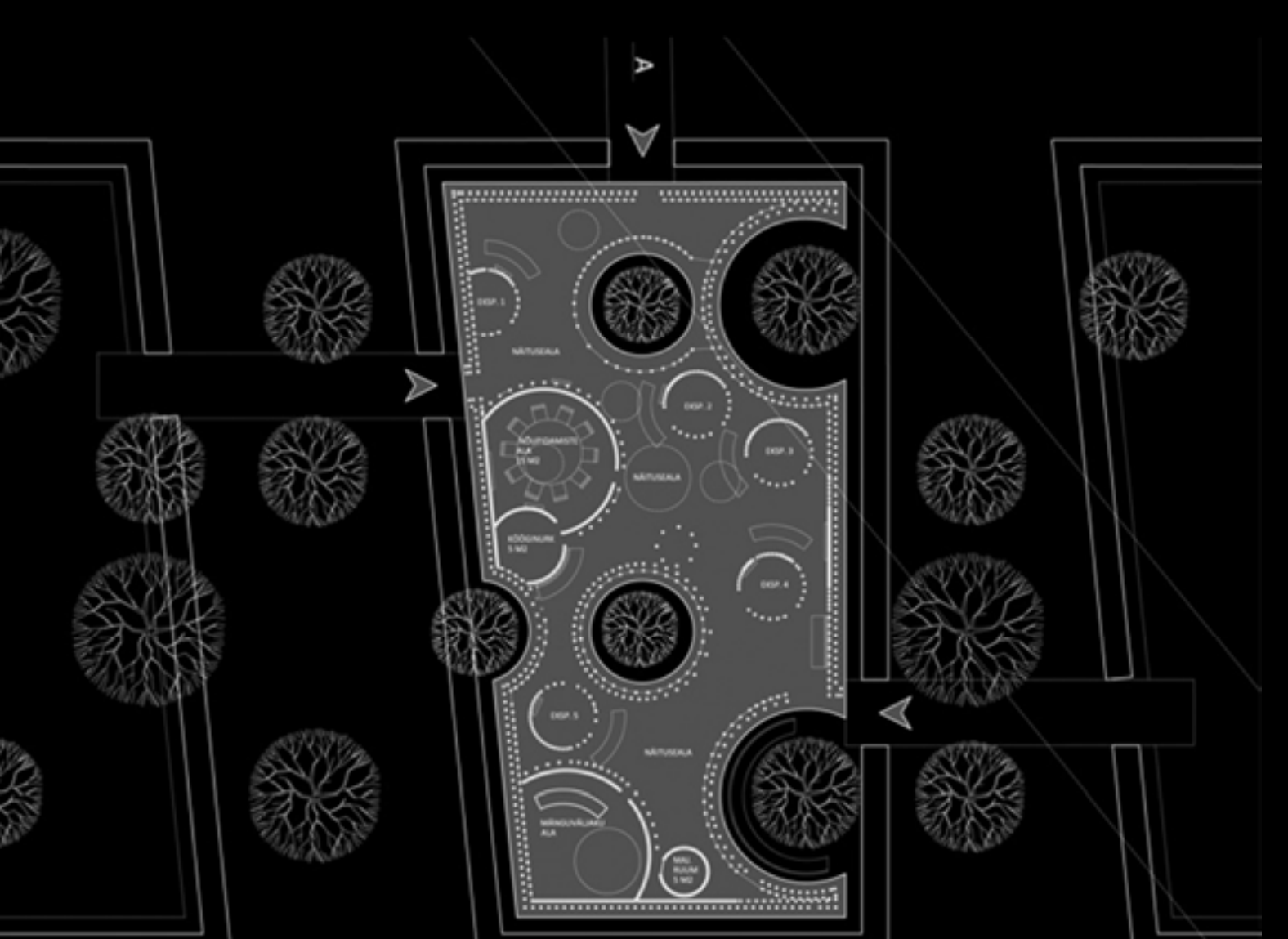


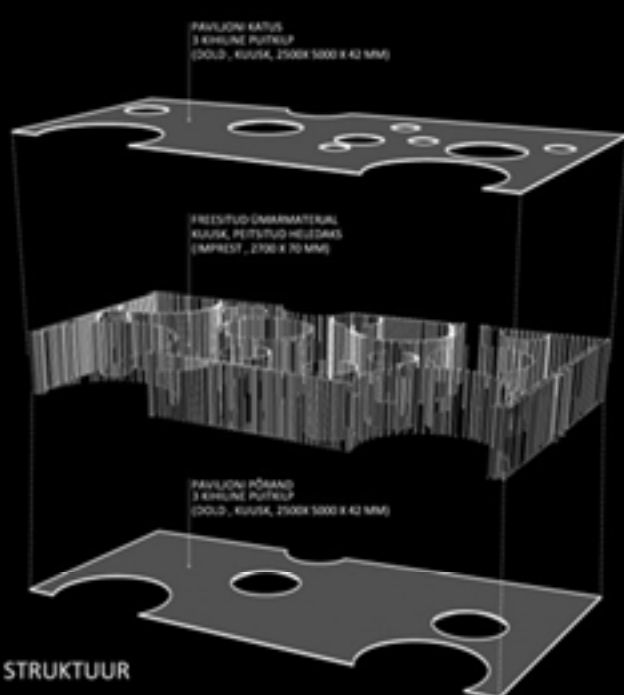
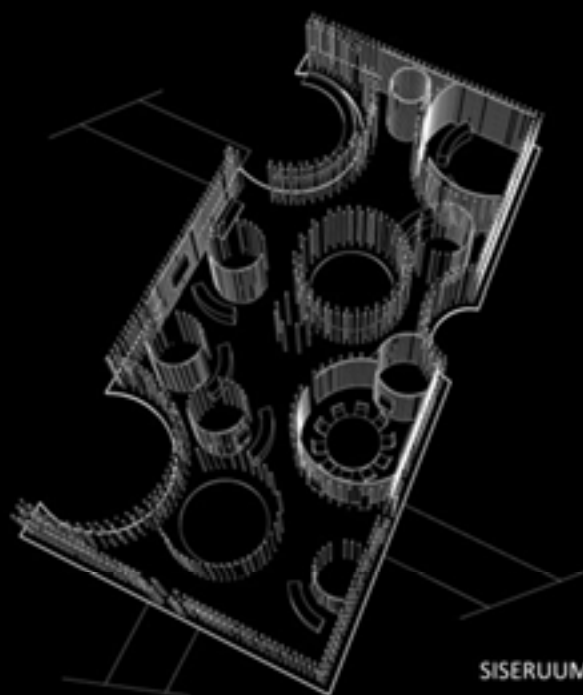












SISERUUMIDE STRUKTUUR

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

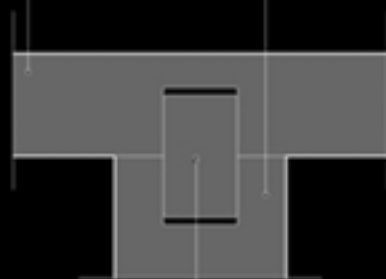
FREESITUD ÜMMARMATERIAAL
KLAUSK, PEITSITUD HELEDAKS
(IMPRESSIT, 2700 X 70 MM)

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

KARASTATUD KLAAS 8MM
KIRKA KLAASI RIBA KÕRGUS 2700 MM

PANEELI LAOTIS
LAGEDEL

VUNDAMENDI
PLOKID











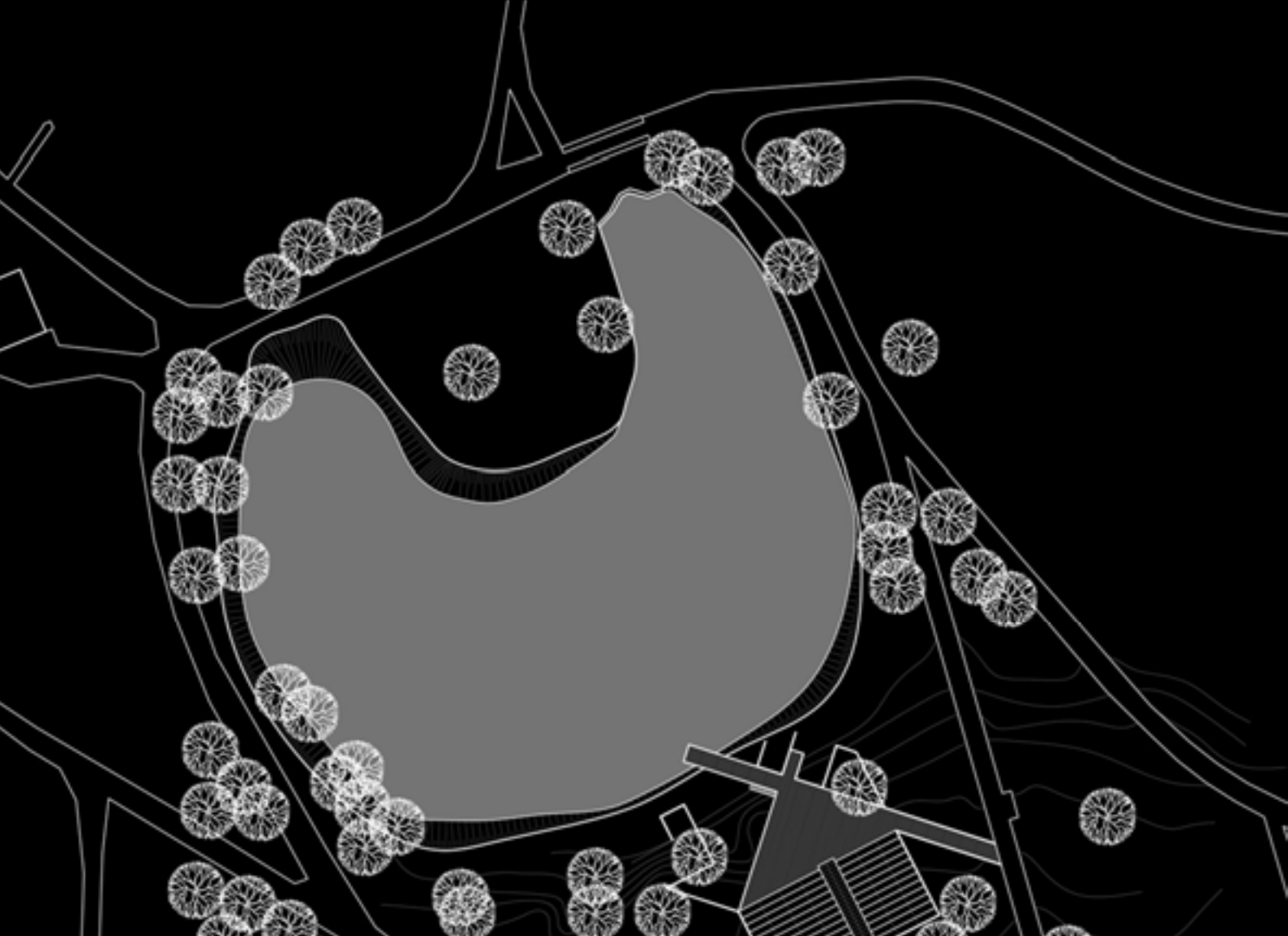






















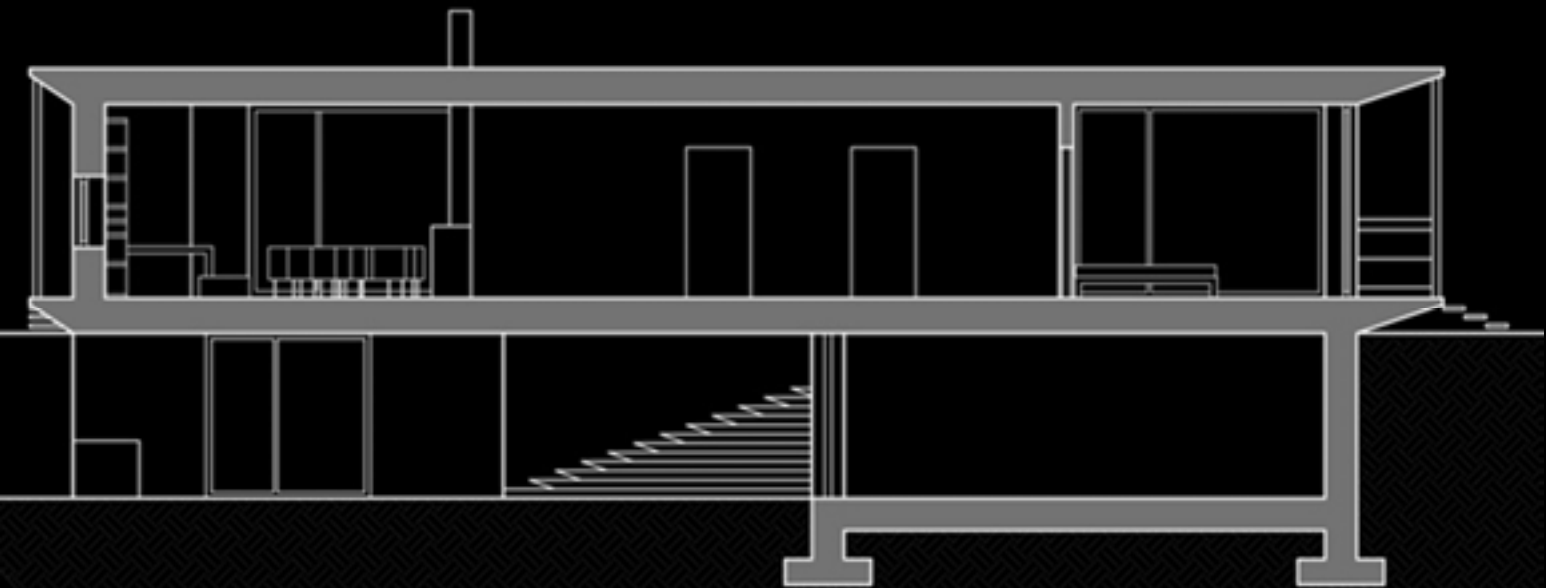




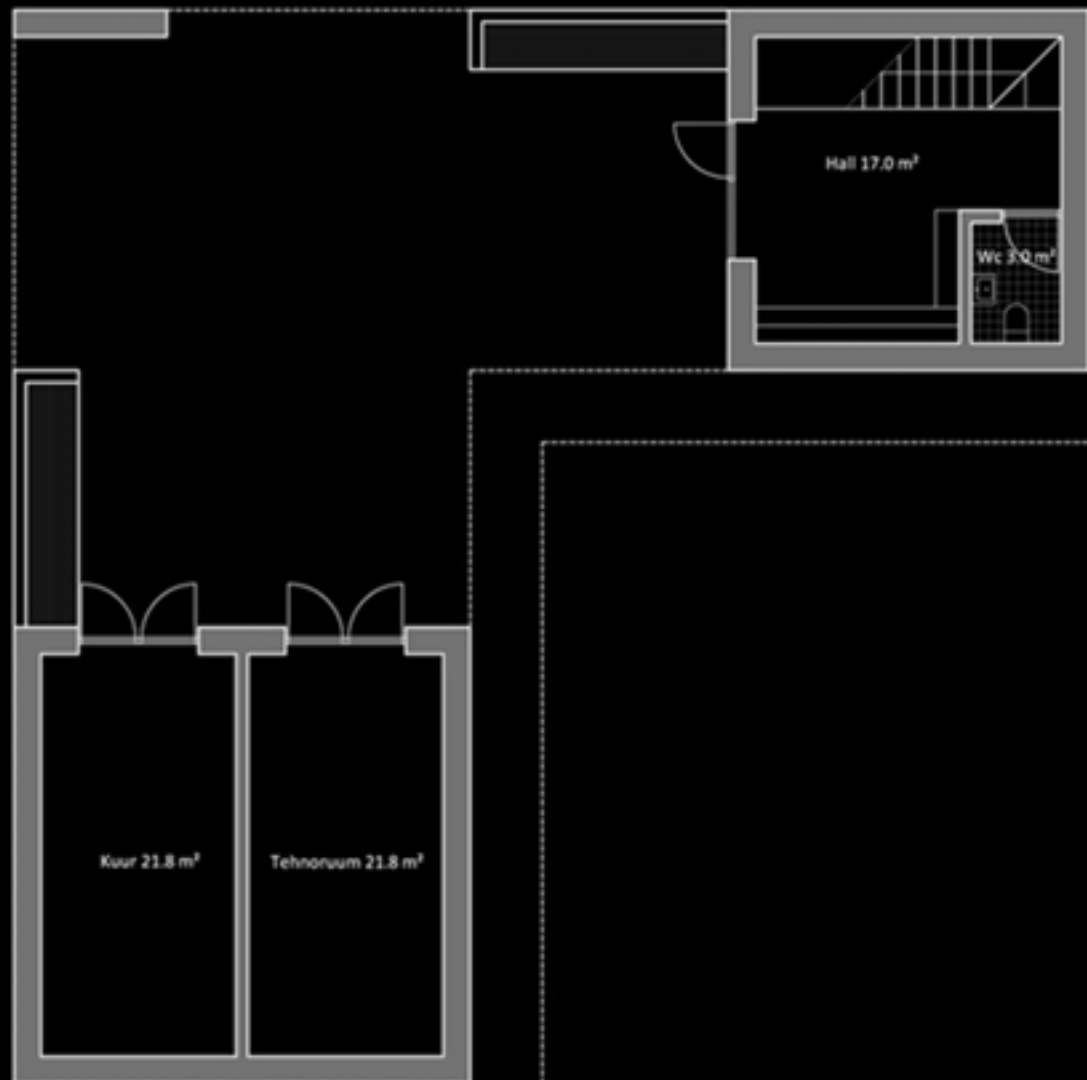


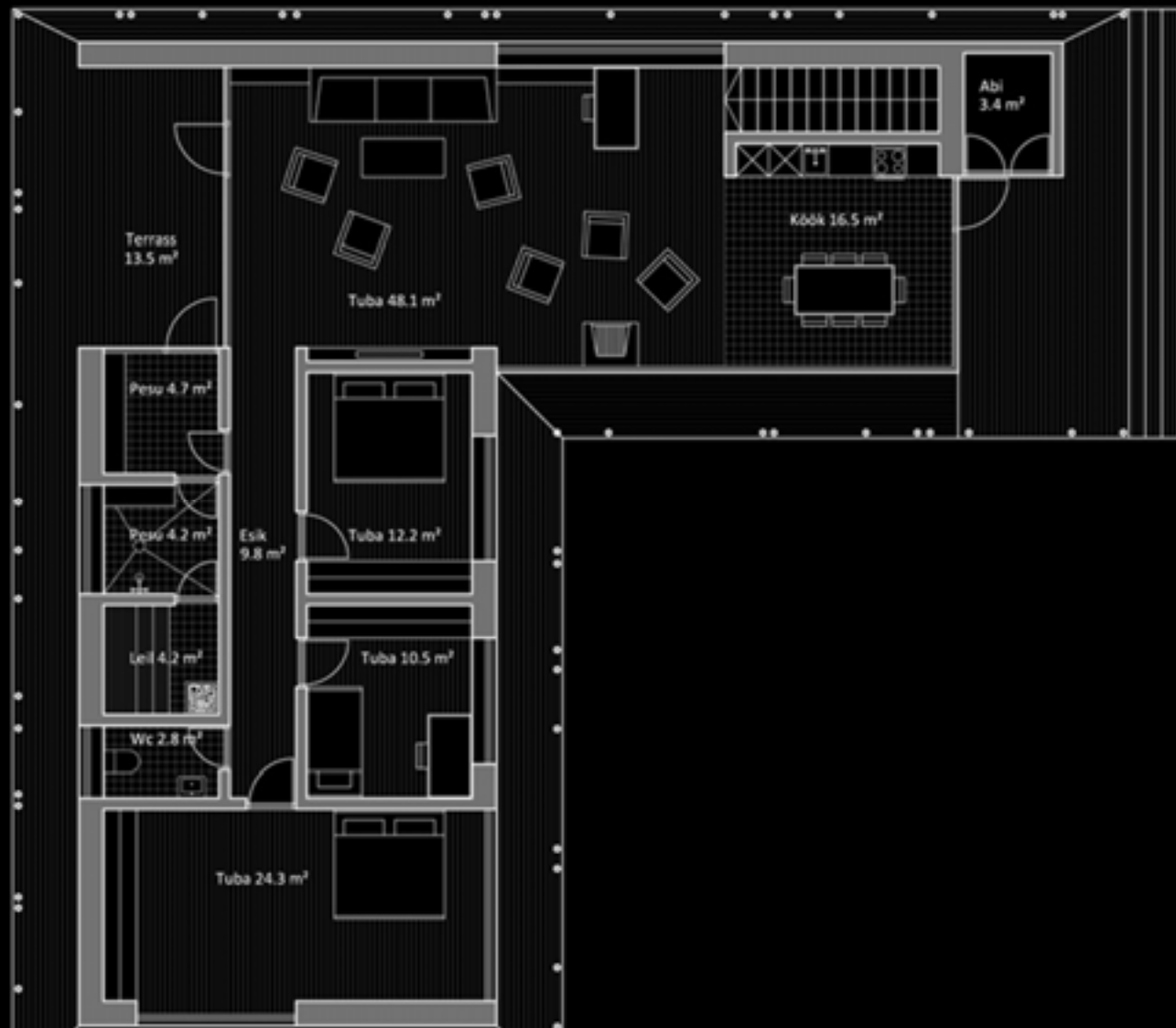




















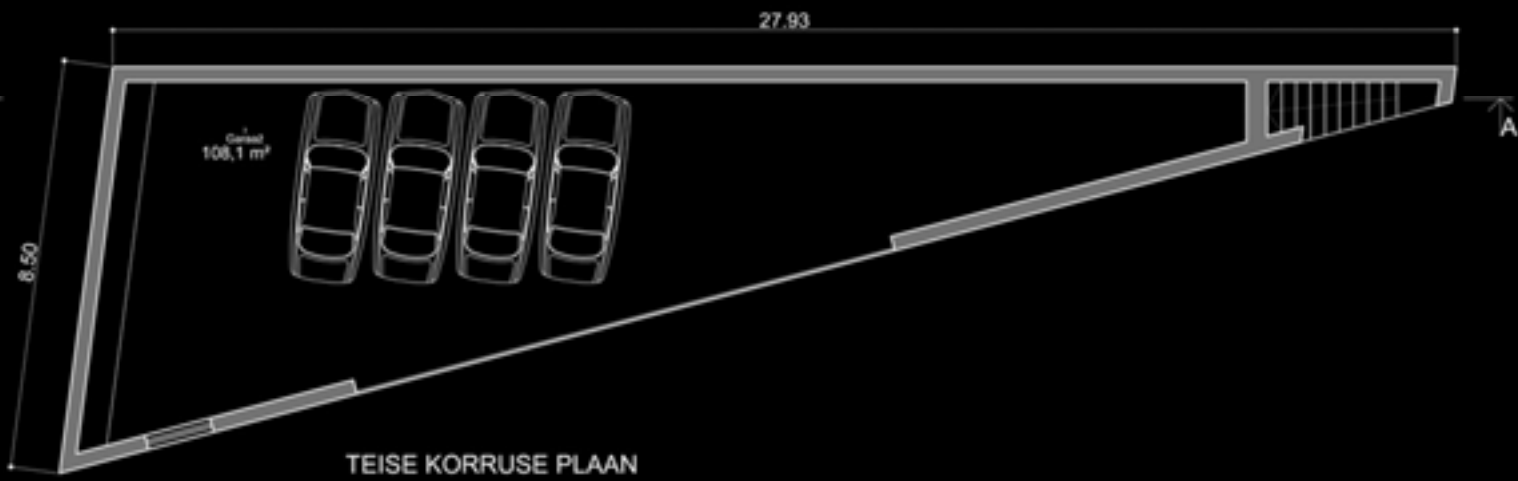
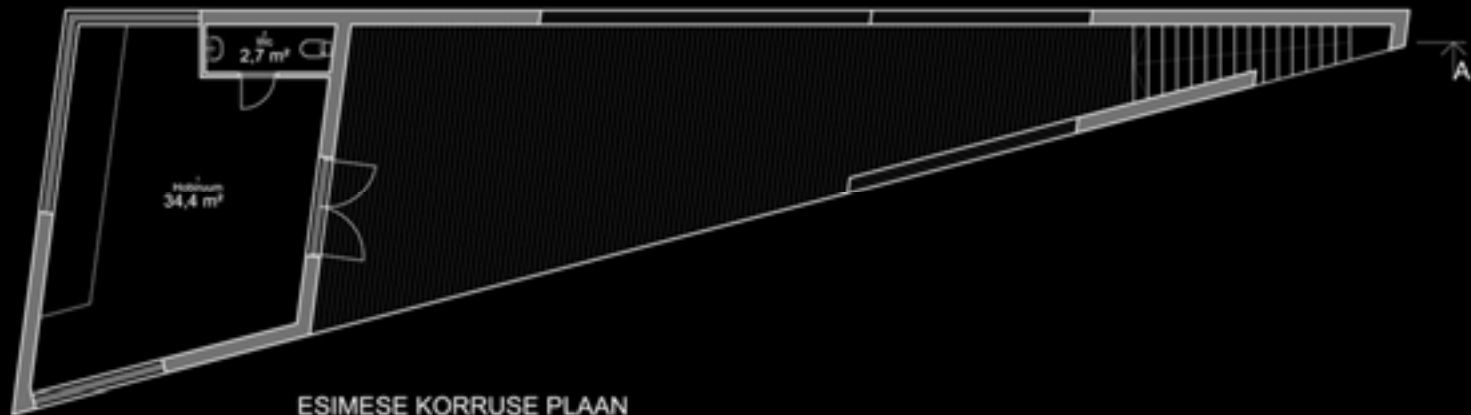


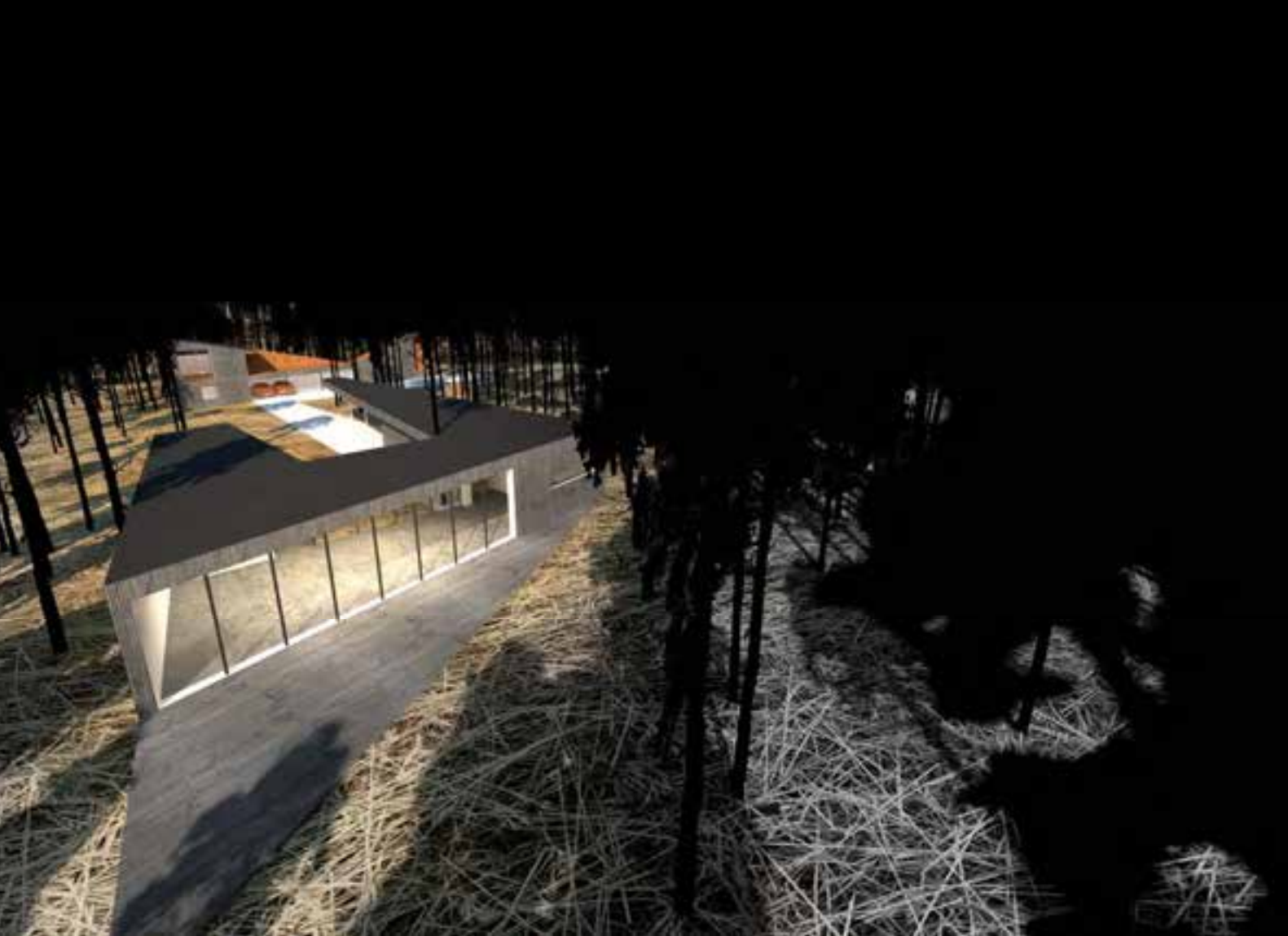
SYMBAEGID:

- OLEMASOLEV HOONE
- PLANEERITAV ABHOONE
- MURUKIVIGA KAETUD JURDEPÄASUTEE
- PIRDGAED
- EHTUSKEELU ALA
- KRUNDIPID
- OLMEPRIGI KONTEINERID
- SISSEPÄAS
- LIIVIDEERITAV KÕRGHALJASTUS







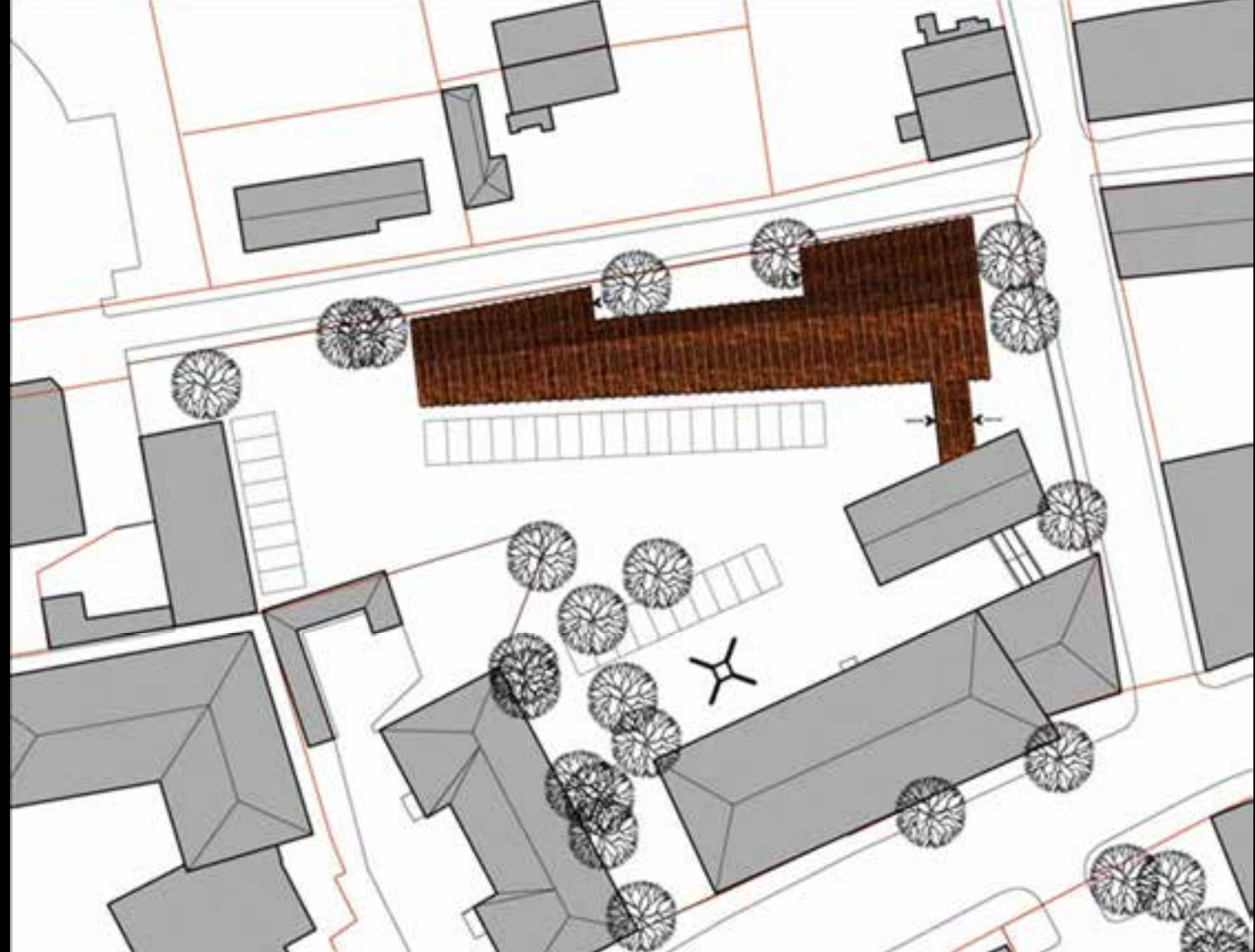


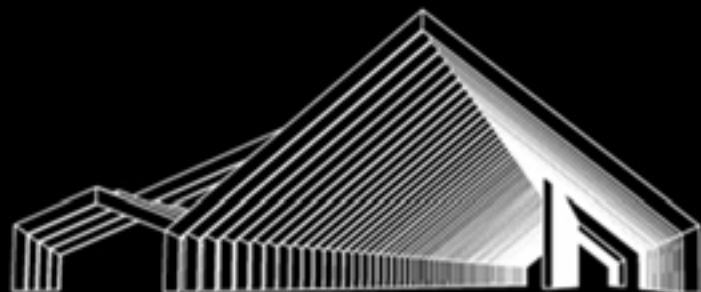
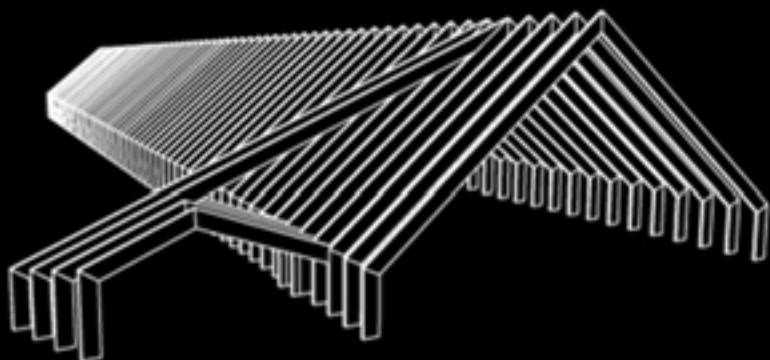
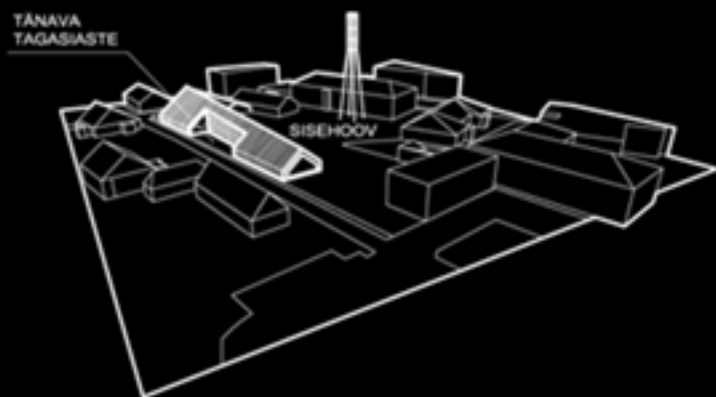
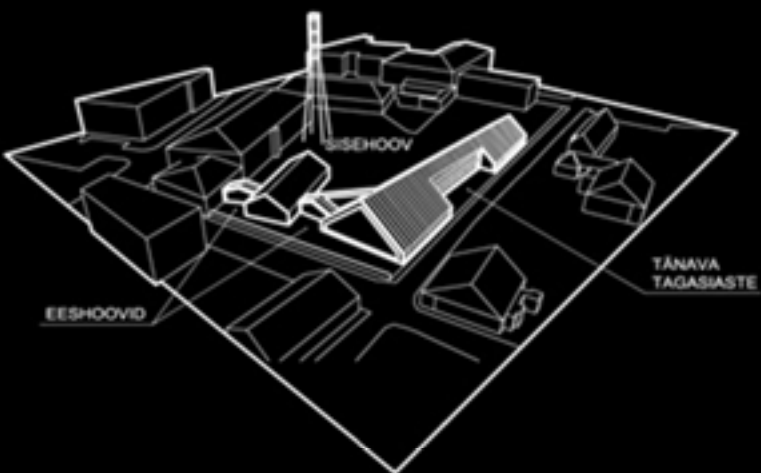




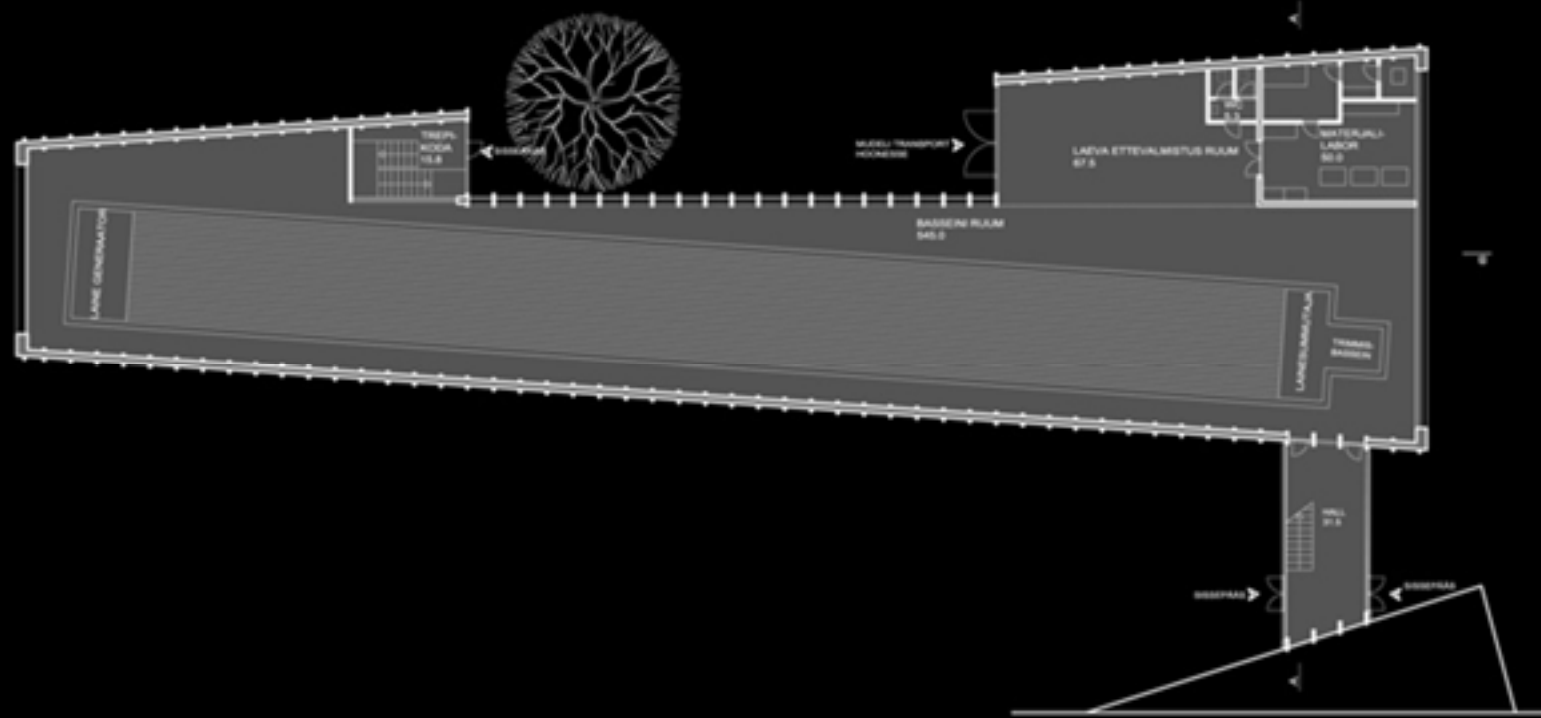


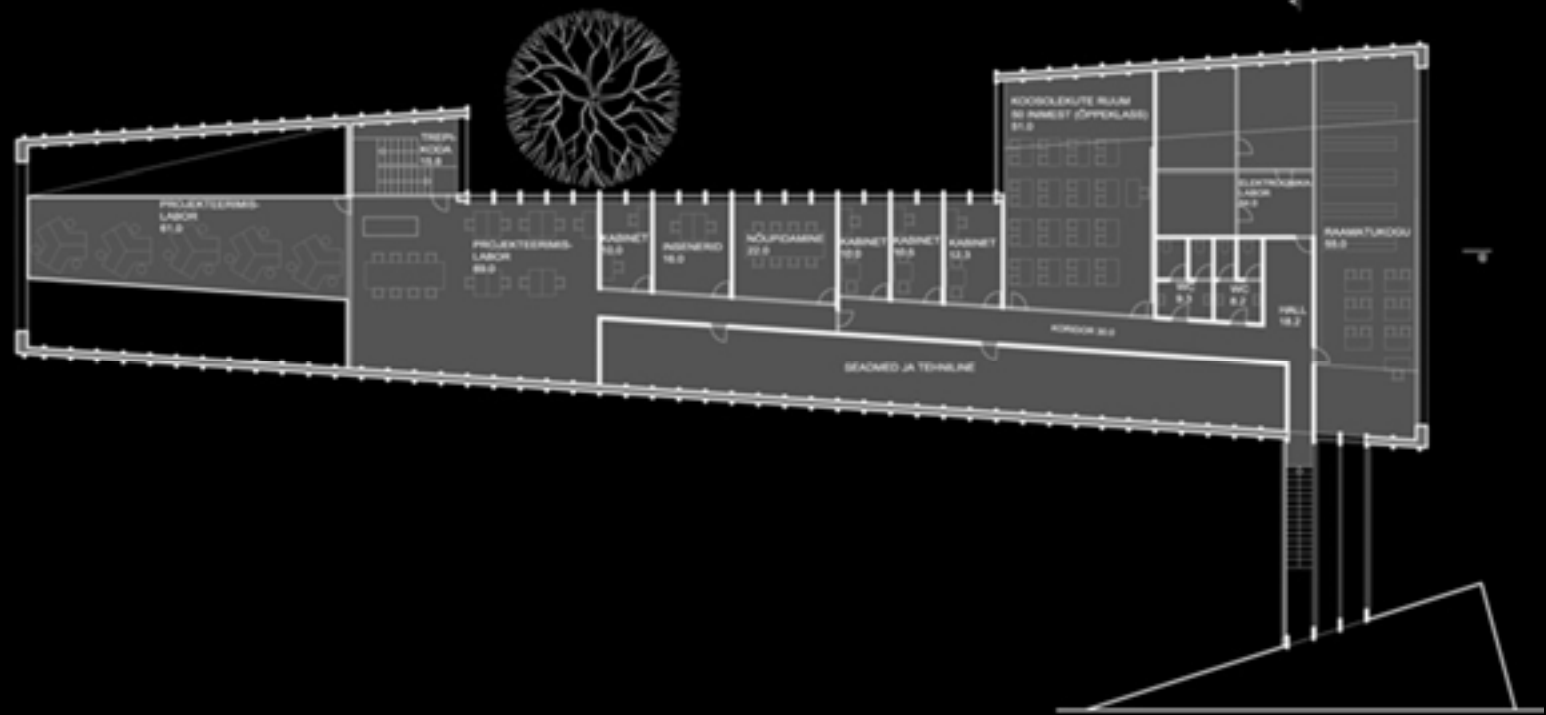






HOONE KARKASS





























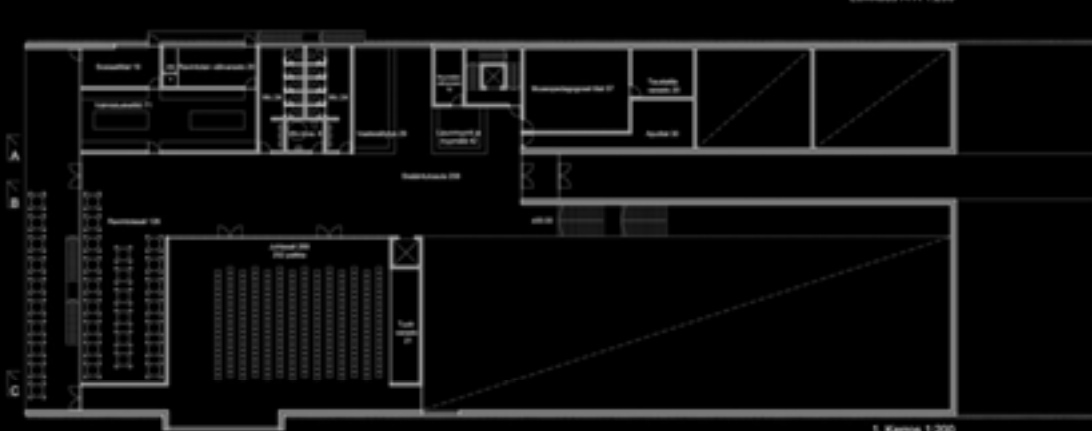








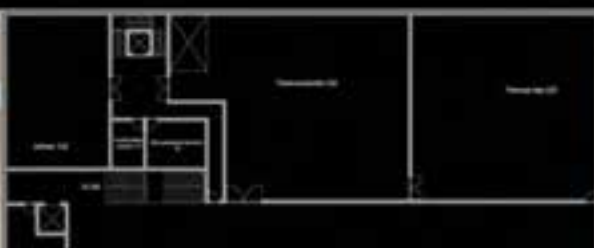




1. Kattos 1.200



1. Kattos 1.200



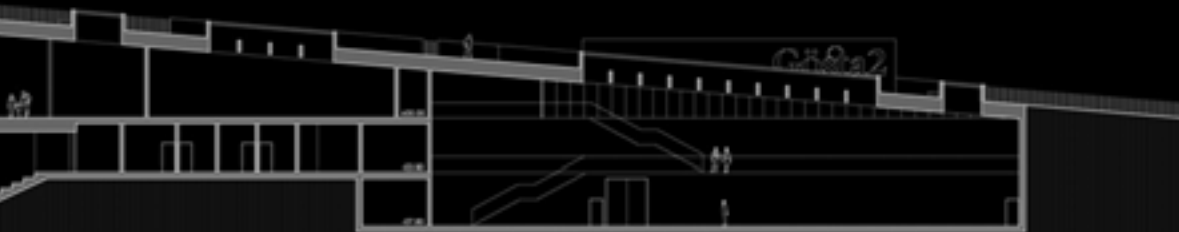


Julkaisu 1:200

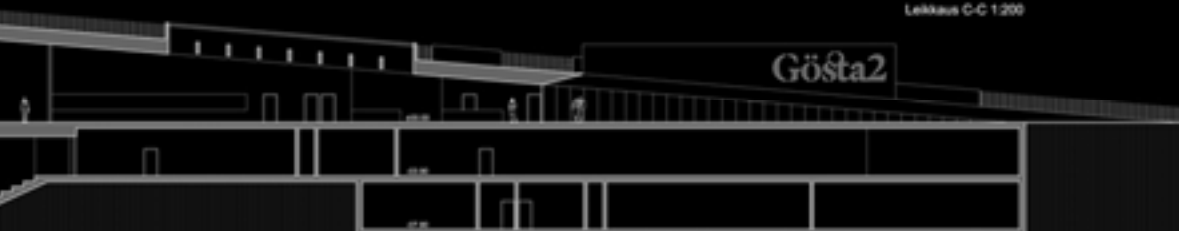


Horisontaalinen vertikaalinen puusäleikkö, ikkunatilan kohdalla rei'itetty puun värtien metalli samoin dimensionoitu
Korkeasta betonista, jonka sisäpuolelta on puuhella koristelevä
Sisäpuolelta: betoni, massiivipuu, metallisäleikkö ratoukittojen kohdalla





Leikkaus C-C 1:200



Leikkaus B-B 1:200



Leikkaus A-A 1:200

















