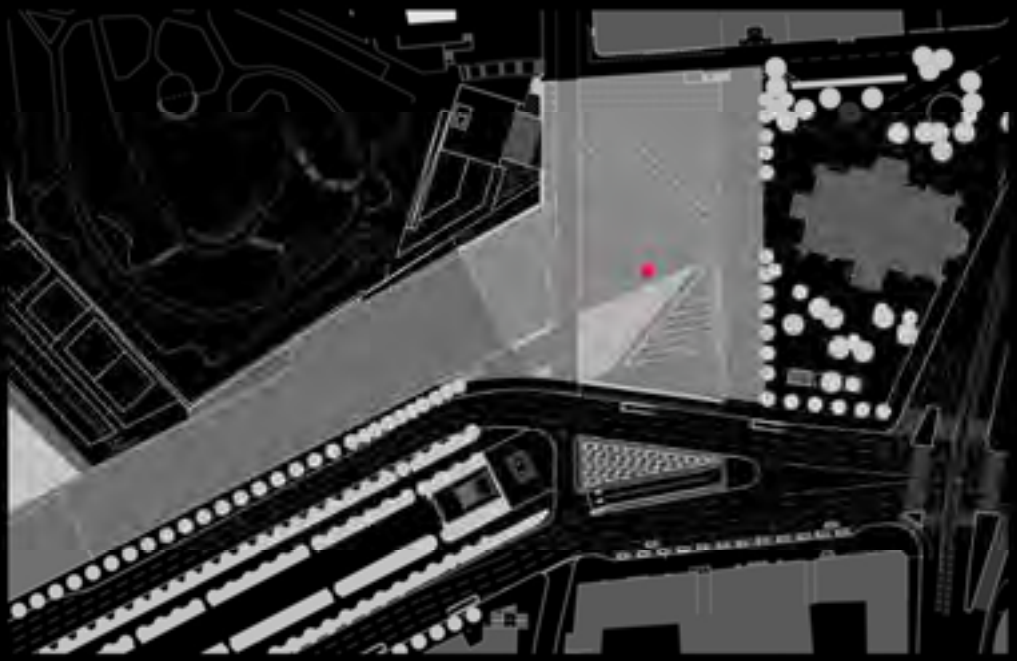
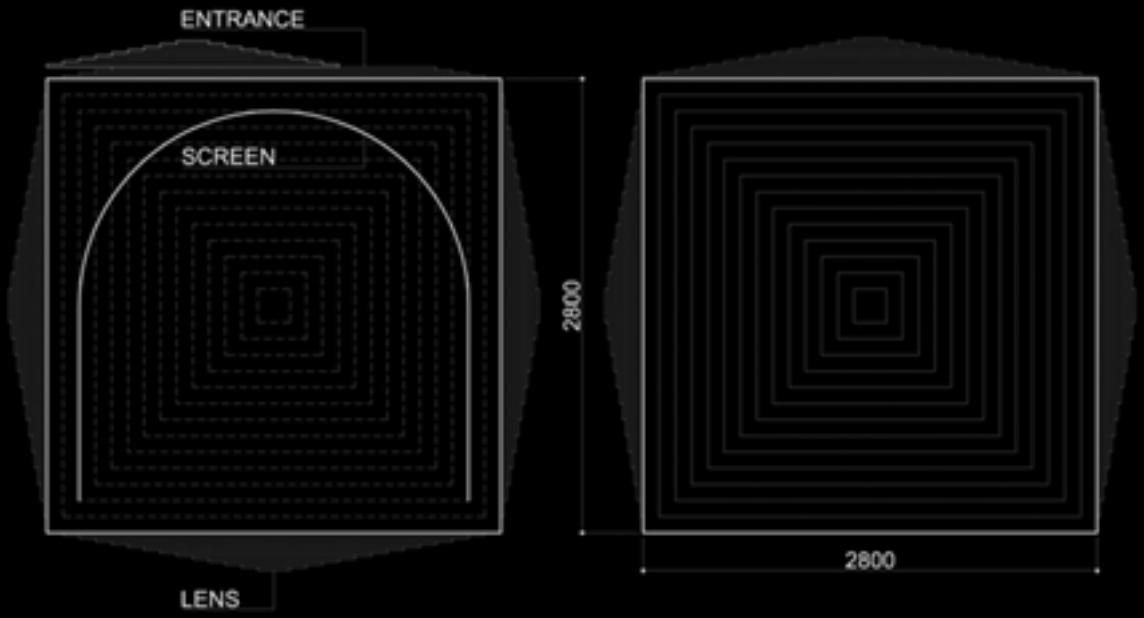
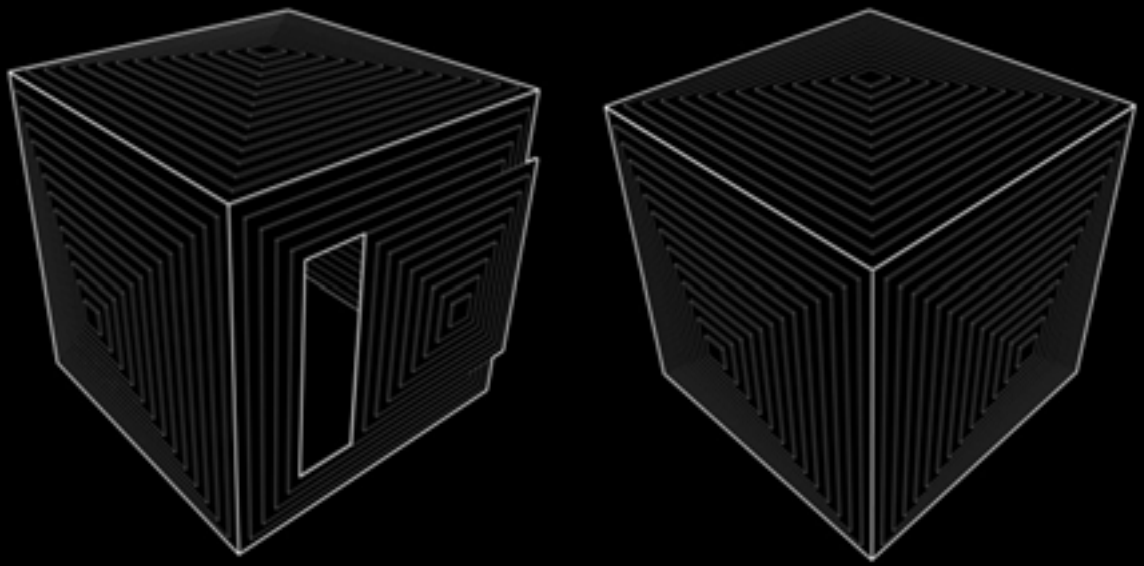
Kadarik, Tüür. Arhitektid.

PUURUUM




ENTRANCE
SCREEN
2800
2800
LENS




EESTI VABADUSSÕDA


ESTONIAN

3D PUITMAJA PRINTER

AURIK

ARHITEKTUURNE KIRJELDUS

AURIK

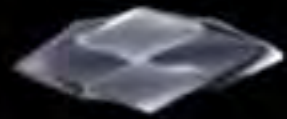
VAADE A

VAADE B

VAADE C

VAADE D

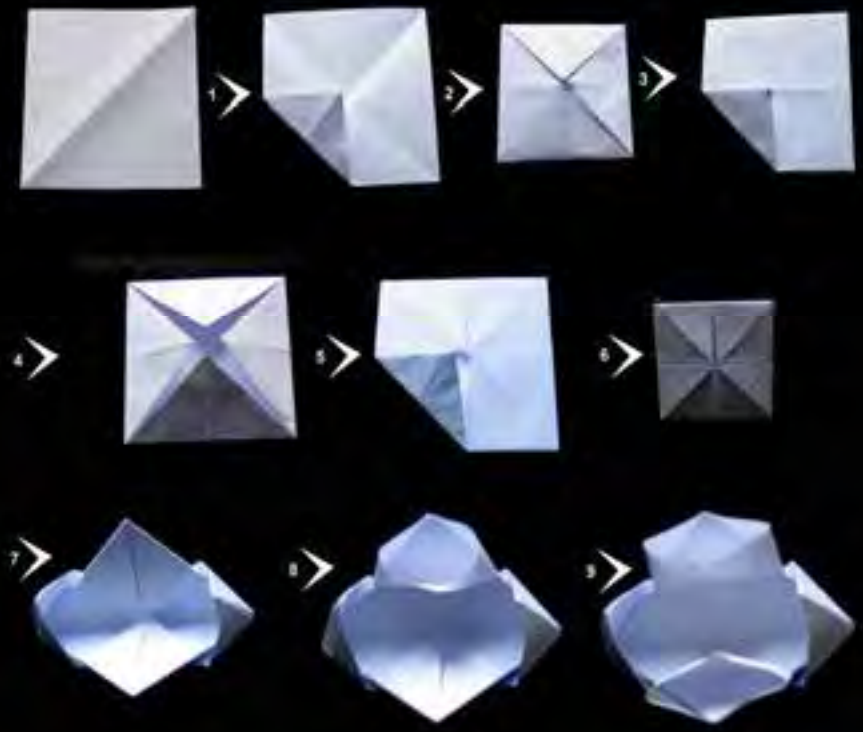
LÕIGE A-A



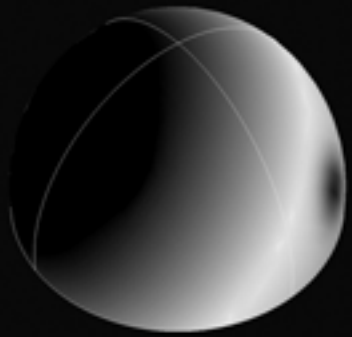
PLAAN

AURIK

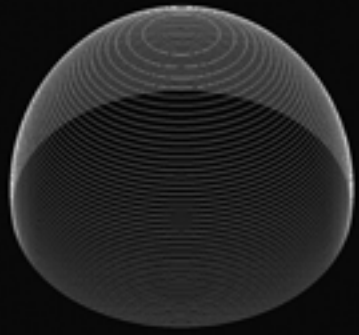
EHITUSPROTSESSI KIRJELDUS
ILMA ARHITEKTUURSETE PROJEKTSIOONIDETA



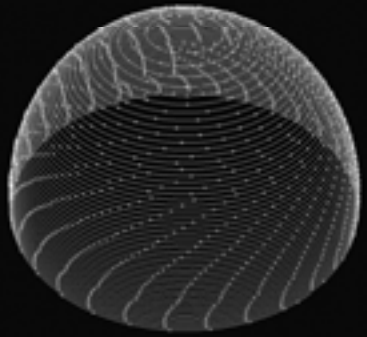
DILETANT KIRJELDAB SUVALISTE VAHENDITEGA, KUIDAS OLEKS SELLIST ASJA LIHTNE VALMISTADA



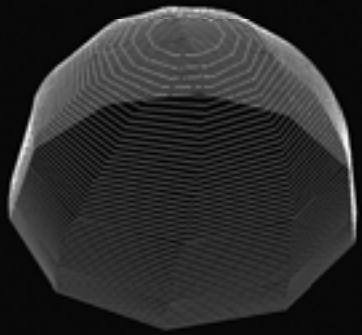
1. SOOVITUD RUUMIGEOMEETRIA



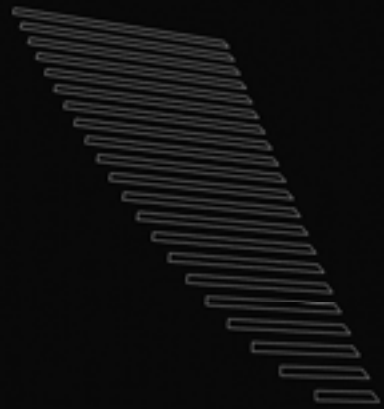
2. SEE JAOTUB KIHTIDEKS



3. IGA KIHT JAGUNEB PUNKTIDEGA

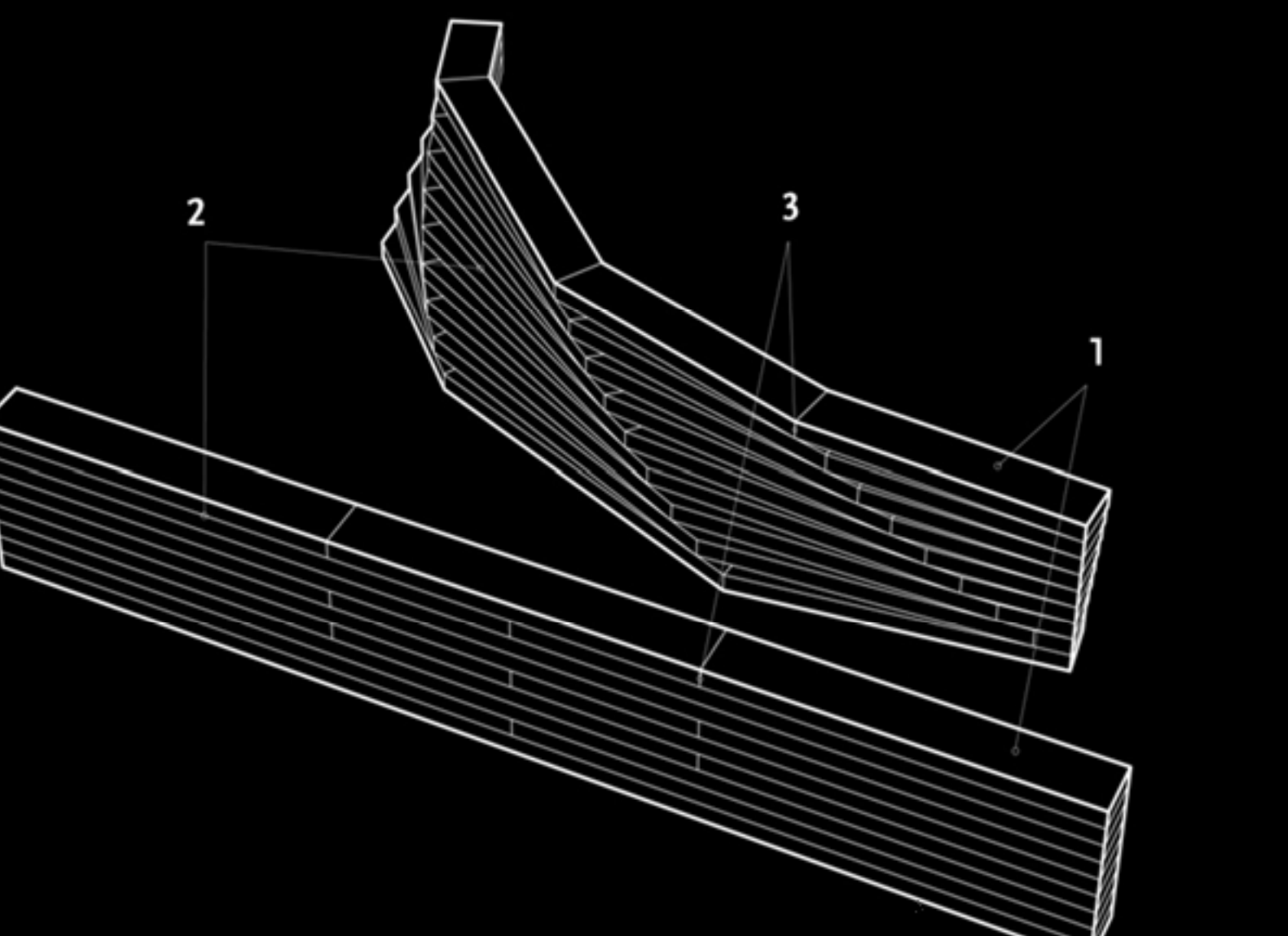


4. PUNKTID ÜHENDATAKSE SIRGETEGA

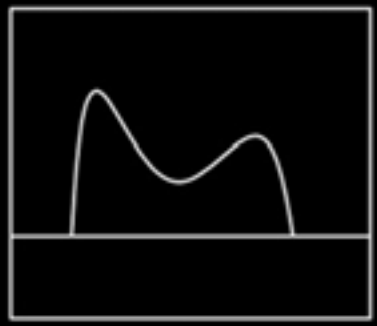


5. SIRGED DEFINEERITAKSE ELEMENTIDEKS PIKKUSE JA OTSA NURGA KAUDU

PARAMEETRILISE PROJEKTEERIMISE VIIS TÖÖOPERATSIOONI, ET TOOTA TÖÖJOONIS

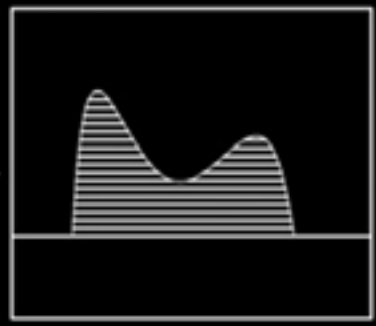

2
3
1

HORISONTAALSETEST
PUITLAMELLIDEST
EHITUSSÜSTEEM



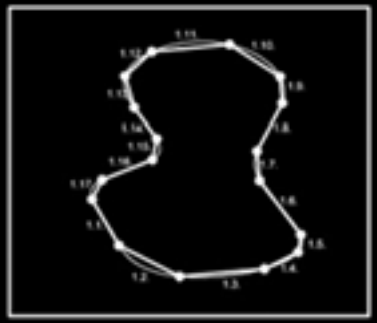
MAHU 3D DIGITAALNE
DEFINITSIOON

1



HOONE HORISONTAALID
MATERJALI PAKSUSE JÄRGI.

2



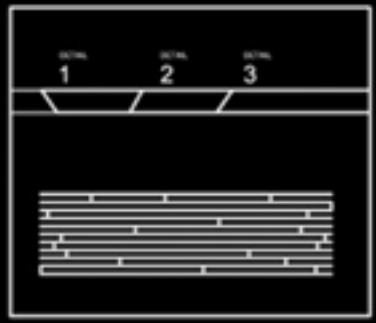
HORISONTAALI JAGUNEMINE
SIRGLÕIKUDEKS

3

KIHT	TÖÖ NR.	ELEMENDI PIKKUS	TAPP 1 NURK	TAPP 2 NURK
1.	1.1.	3200	14°	35.45°
1.	1.2.	2945	-35.45°	18.34°
1.	1.3.	3365	-18.34°	58.34°
1.	1.4.	1256	-58.34°	35.45°
1.	1.5.	865	-35.45°	46.45°
1.	1.6.	2657	-46.45°	6.18°
1.	1.7.	1265	-6.18°	28.27°
1.	1.8.	2365	-28.27°	53.12°
1.	1.9.	876	53.12°	6.45°
1.	1.10.	1543	-6.45°	45.45°
1.	1.11.	1.12	-45.45°	18.2°
1.	1.12.	2356	-18.2°	17.98°
1.	1.13.	1345	-17.98°	35.45°

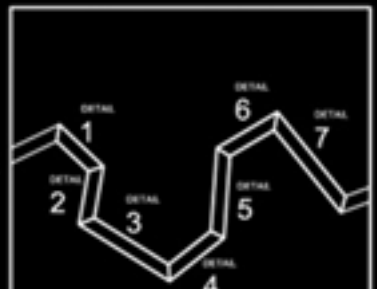
TABEL ELEMENTIDE ANDMETEGA,
MIS EDASTATAKSE OTSE SAE
PROGRAMMI.

4

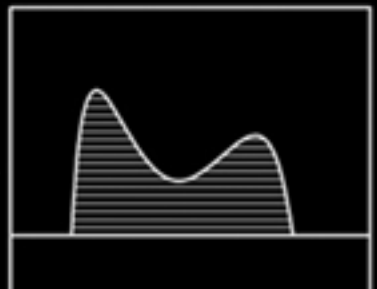


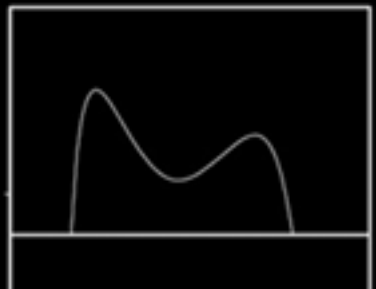
ELEMENTIDE SAAGIMINE,
NUMMERDAMINE JA PAKKIMINE

5

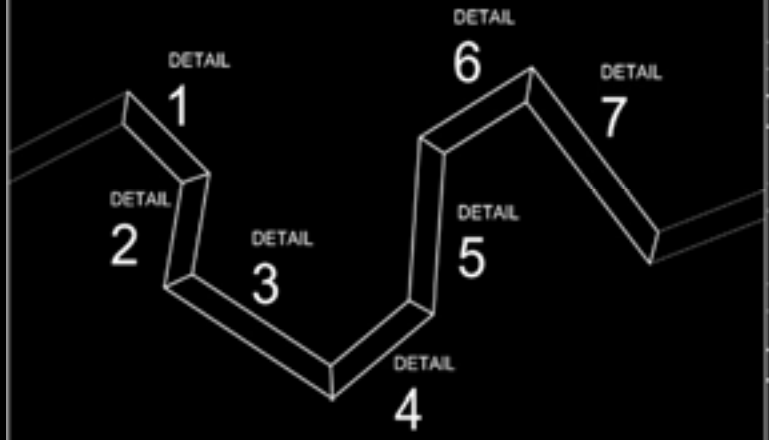


6



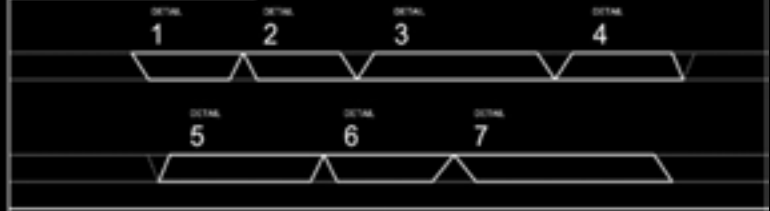


SEINA PLAAN

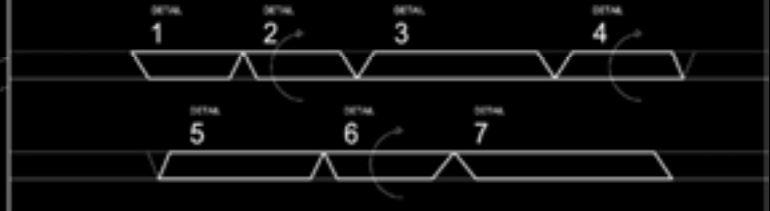


DETAILIDE SAAGIMINE PRUSSIST

DETAILIDE RIDA SIRGEL JOONEL



IGA TEISE DETAILI PÖÖRAMINE



DETAILIDE RIDA ENNE VÄLJALÖKAMIST

Solid

Input
Conture Lines from outer and inner shell

It stands for Border

BSegment has a curves (BCurve)
Bin and BOut

BSegment is devided to
BPoints and what are
running along BCurve

BlockCurve

BlockSolid

Output Data ->


2009 3 25

e form geometry

ewable material

rgy efficient

Description of the system

4 step system

Eco-nomical

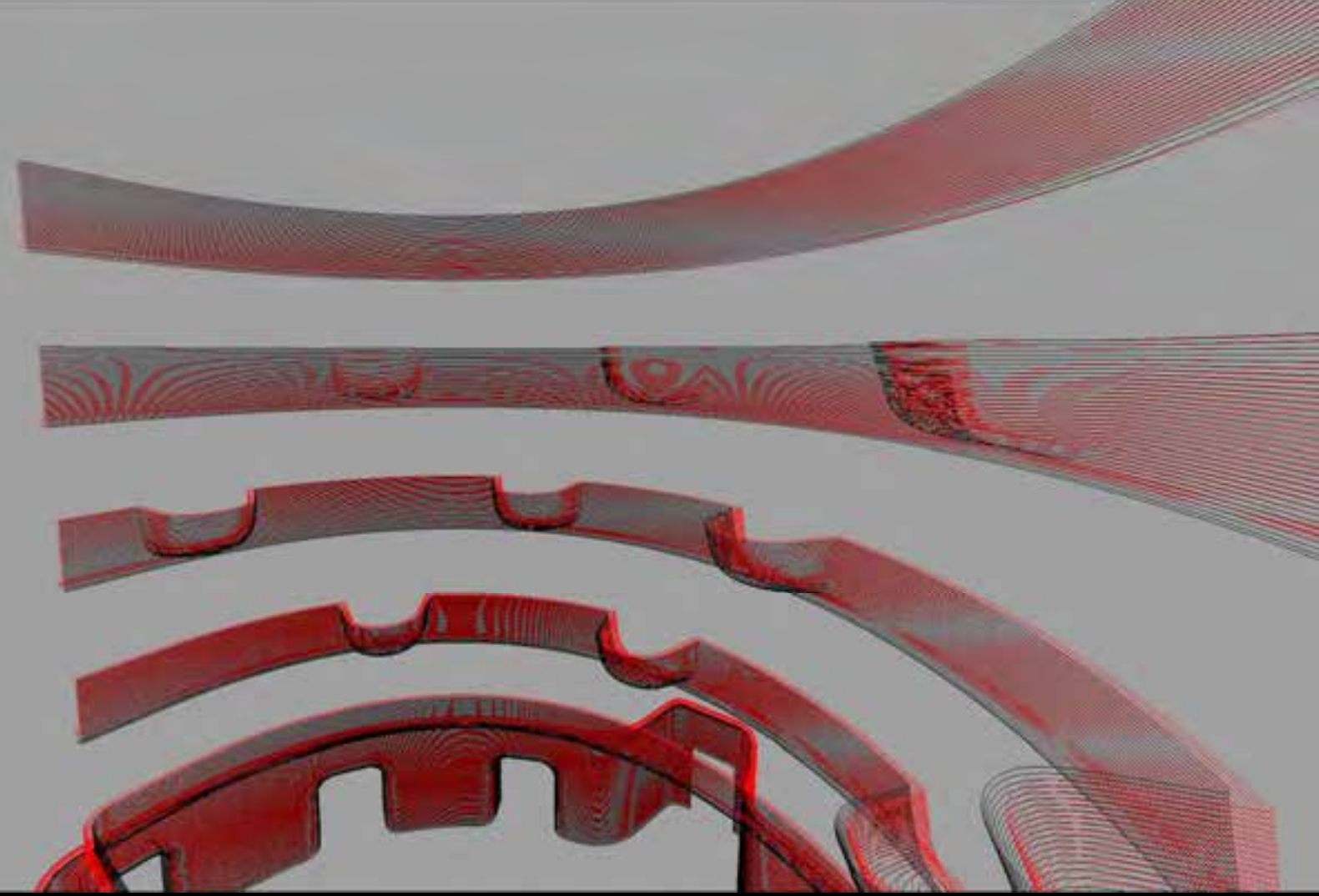
Eco

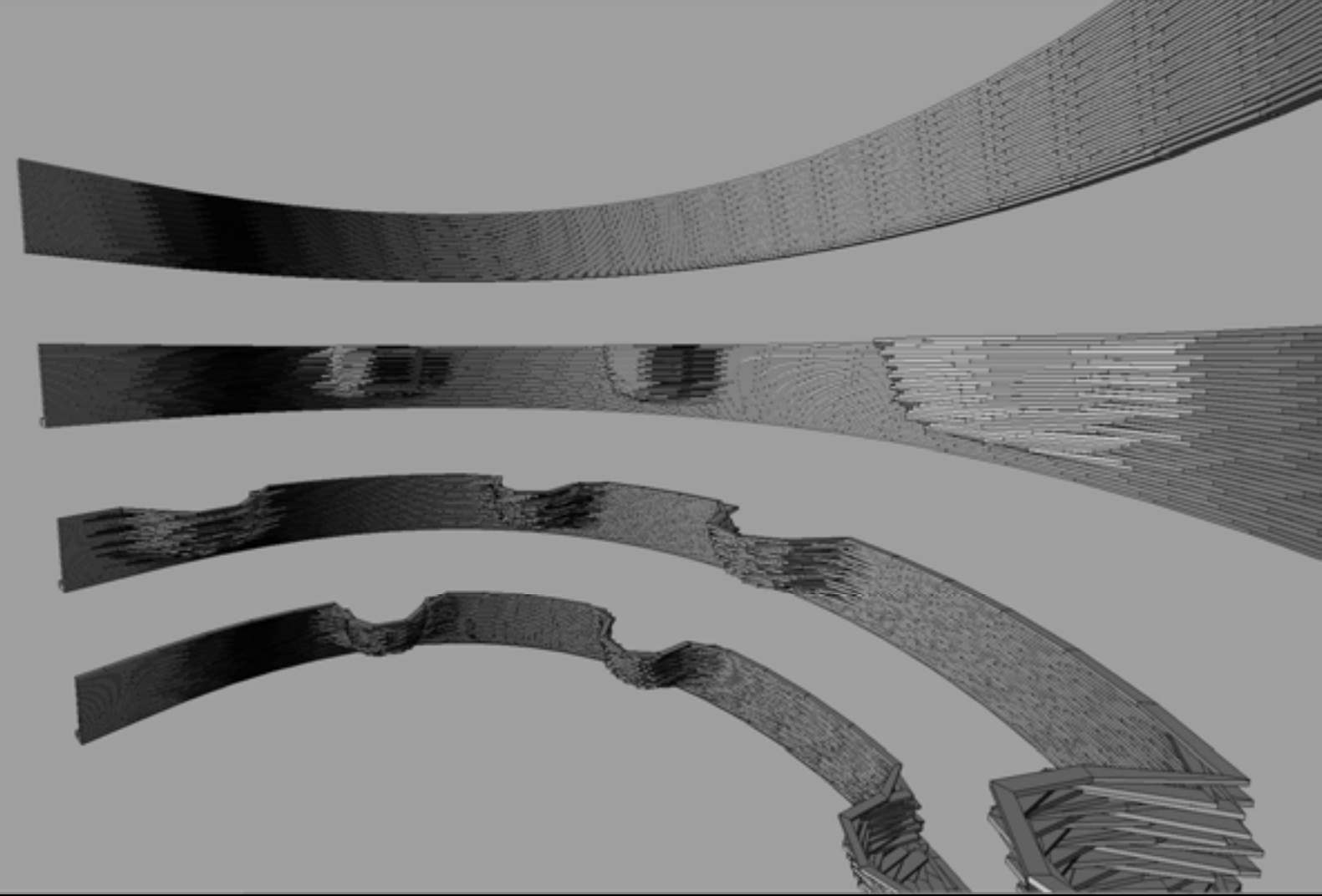
Logical

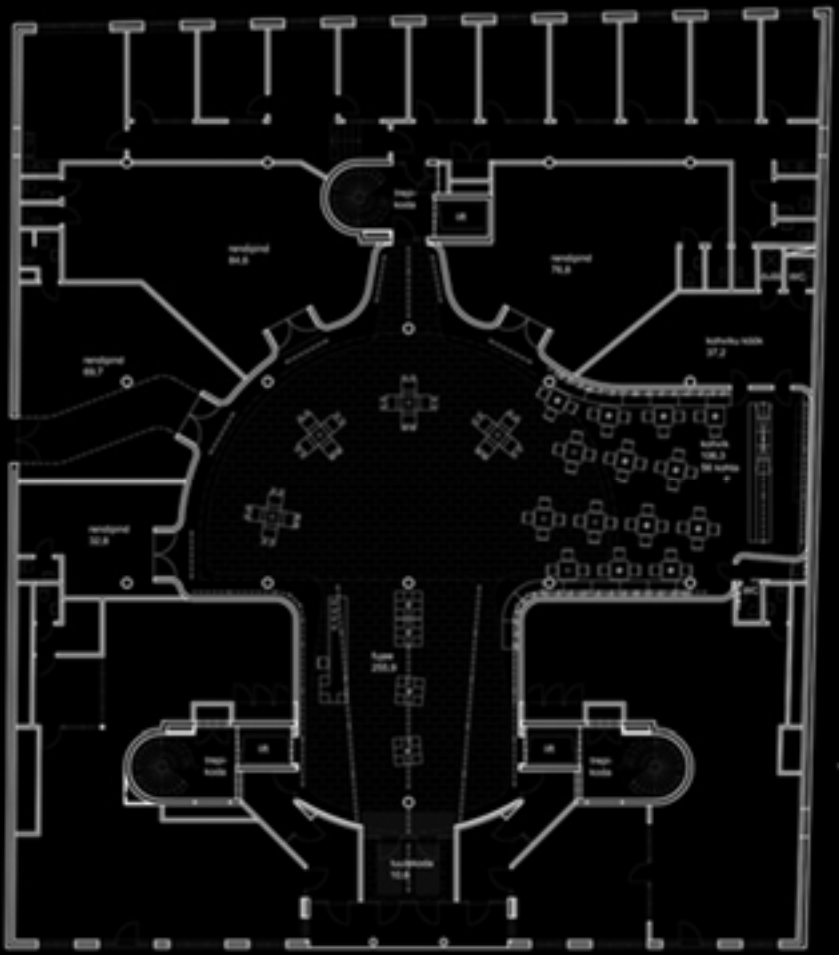
Breathable

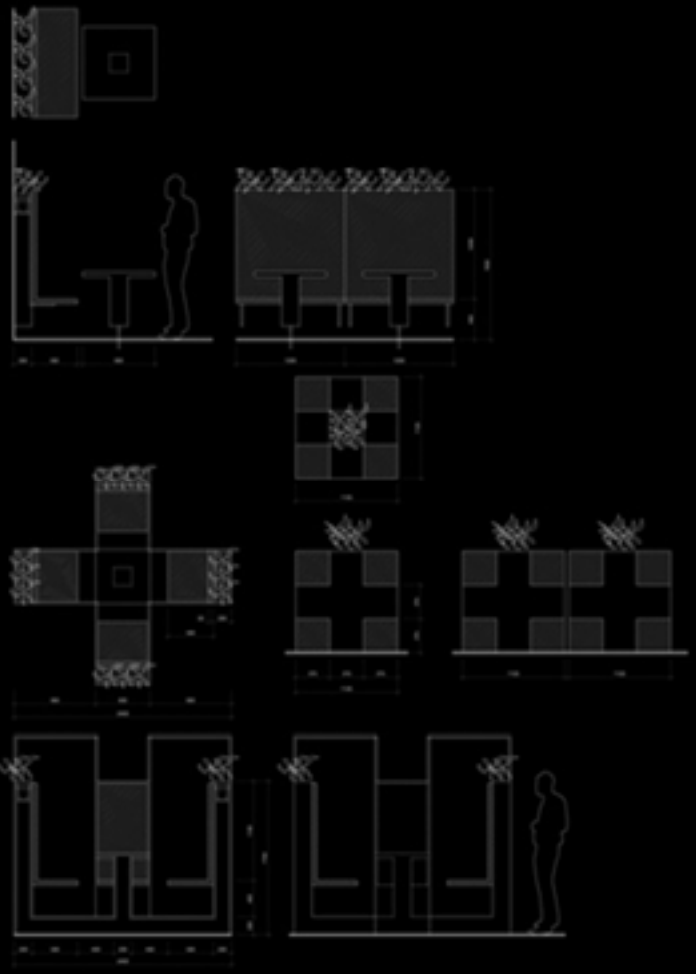
Allergy free

Uncollapsible

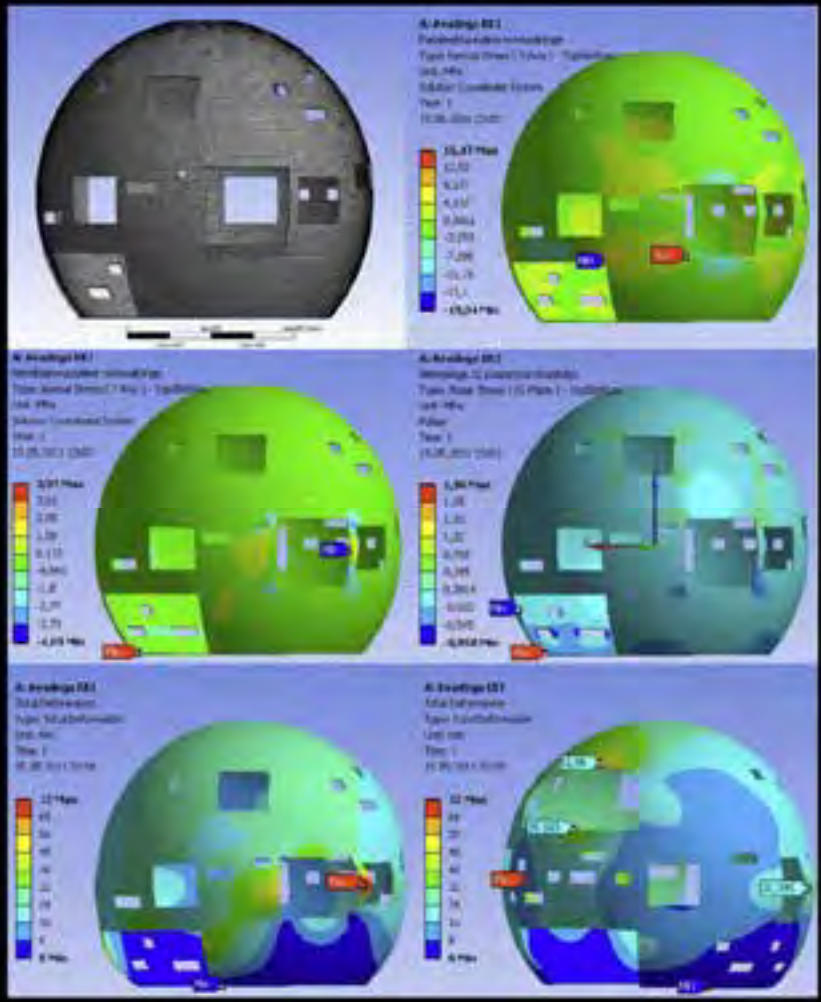




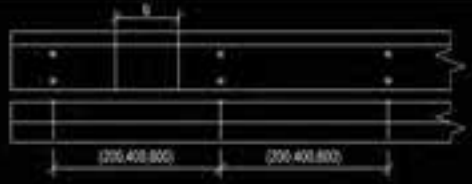




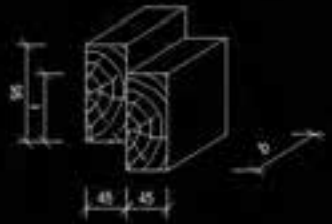
Skeemi autor : Mart Kallaste - TTÜ



Pinged ja deformatsioonid avadega konstruktsioonis I



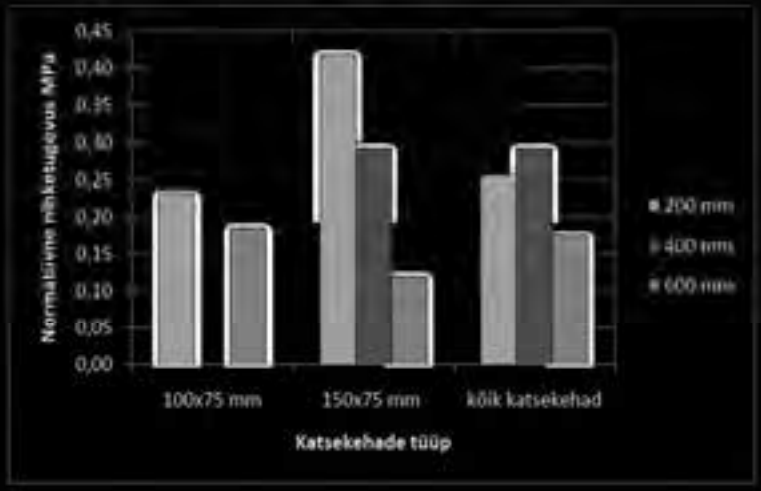
Joonis 8 Liimitud prussid



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.

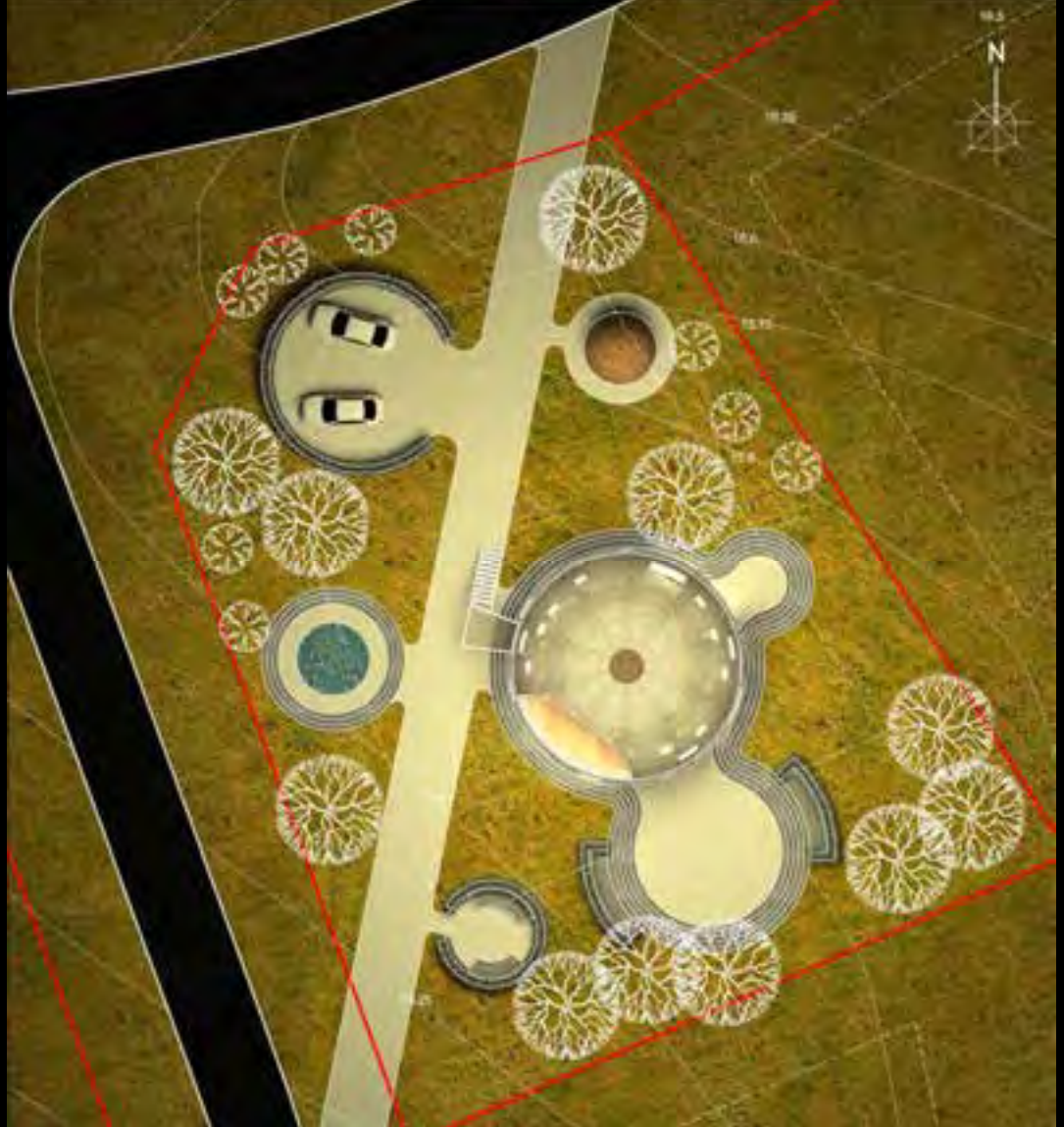


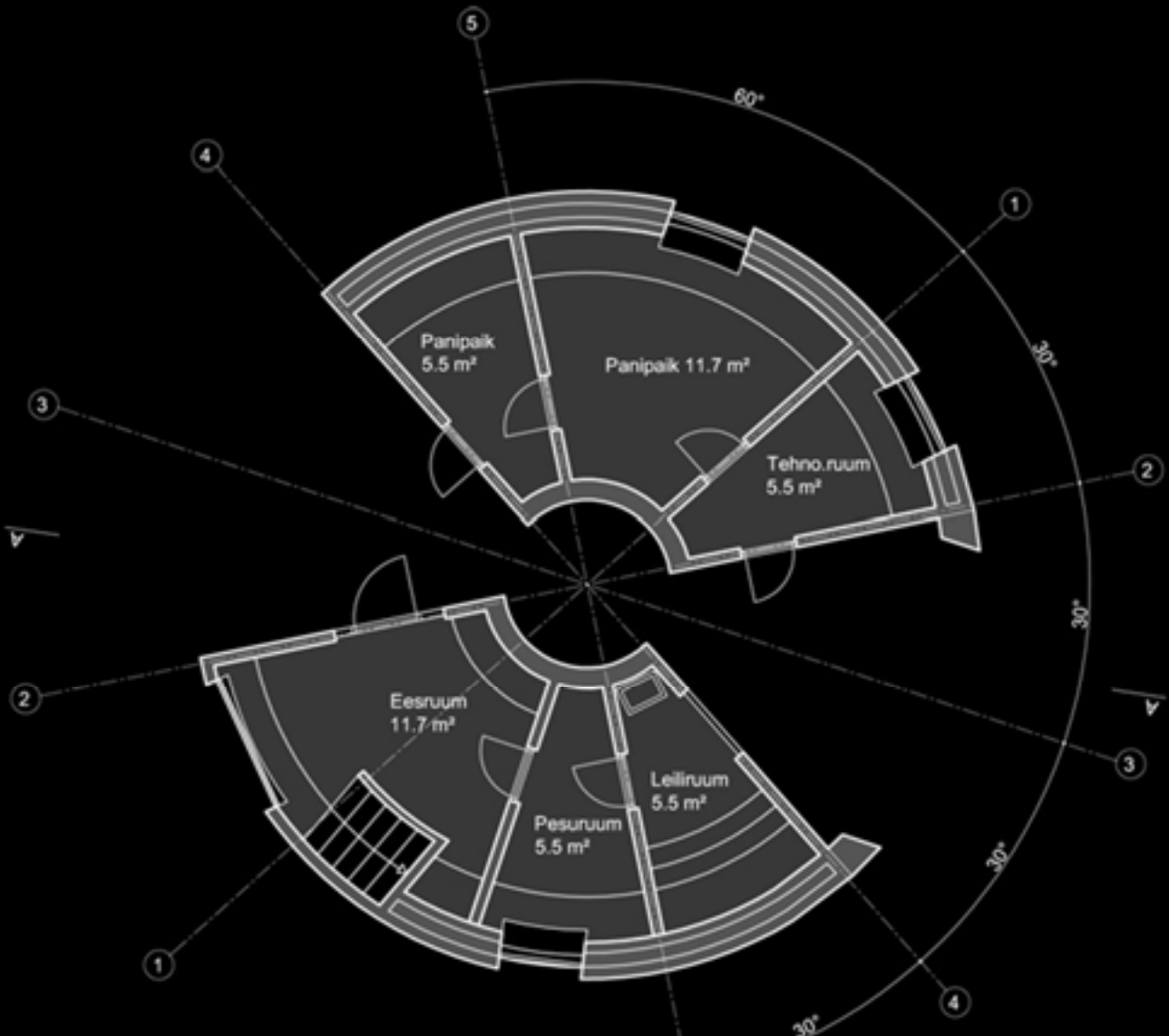
Normatiivsed nihketugevused erineva naelte sammu ja erinevate katsekehade korral

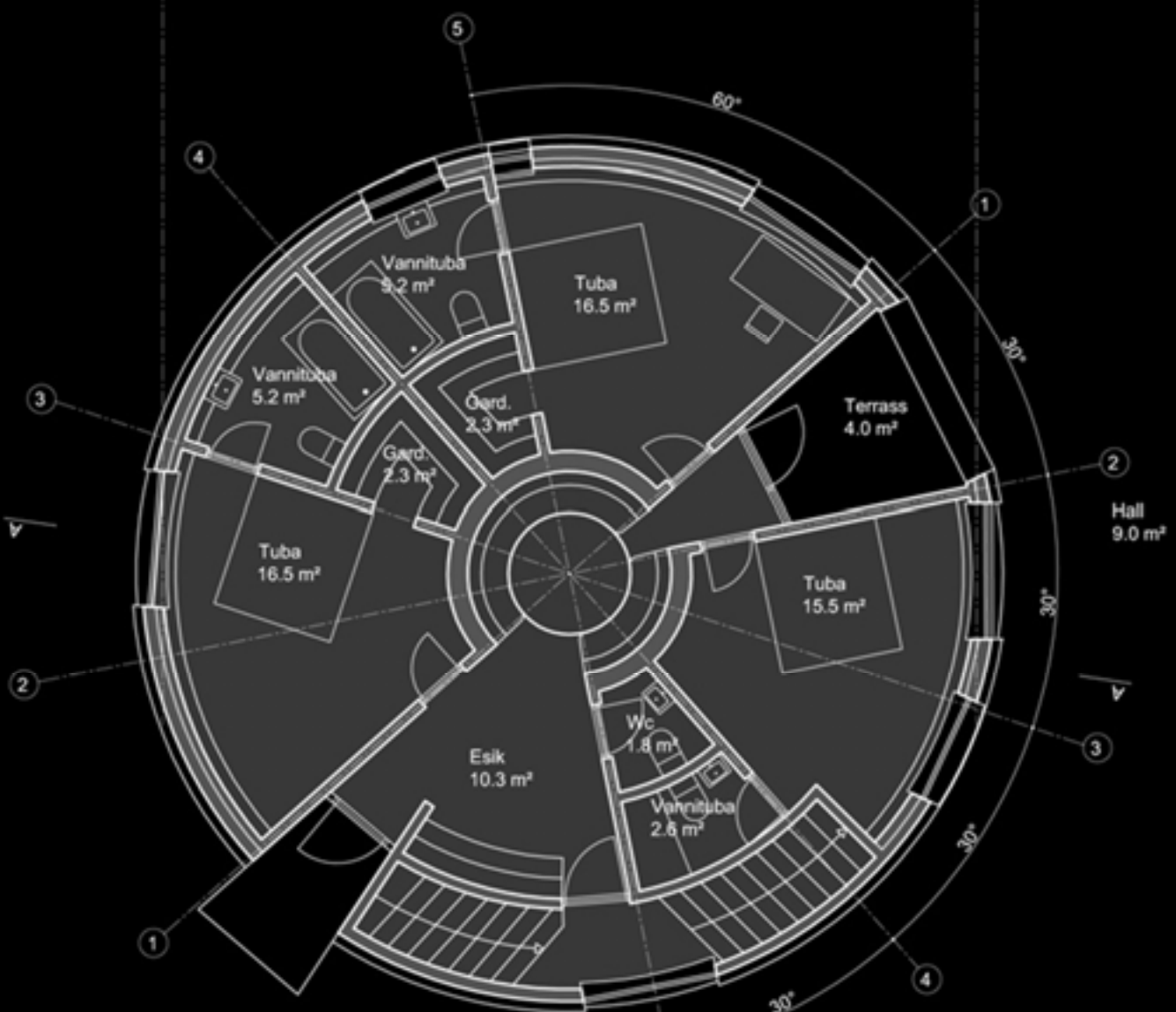
Järeldused katsetustest

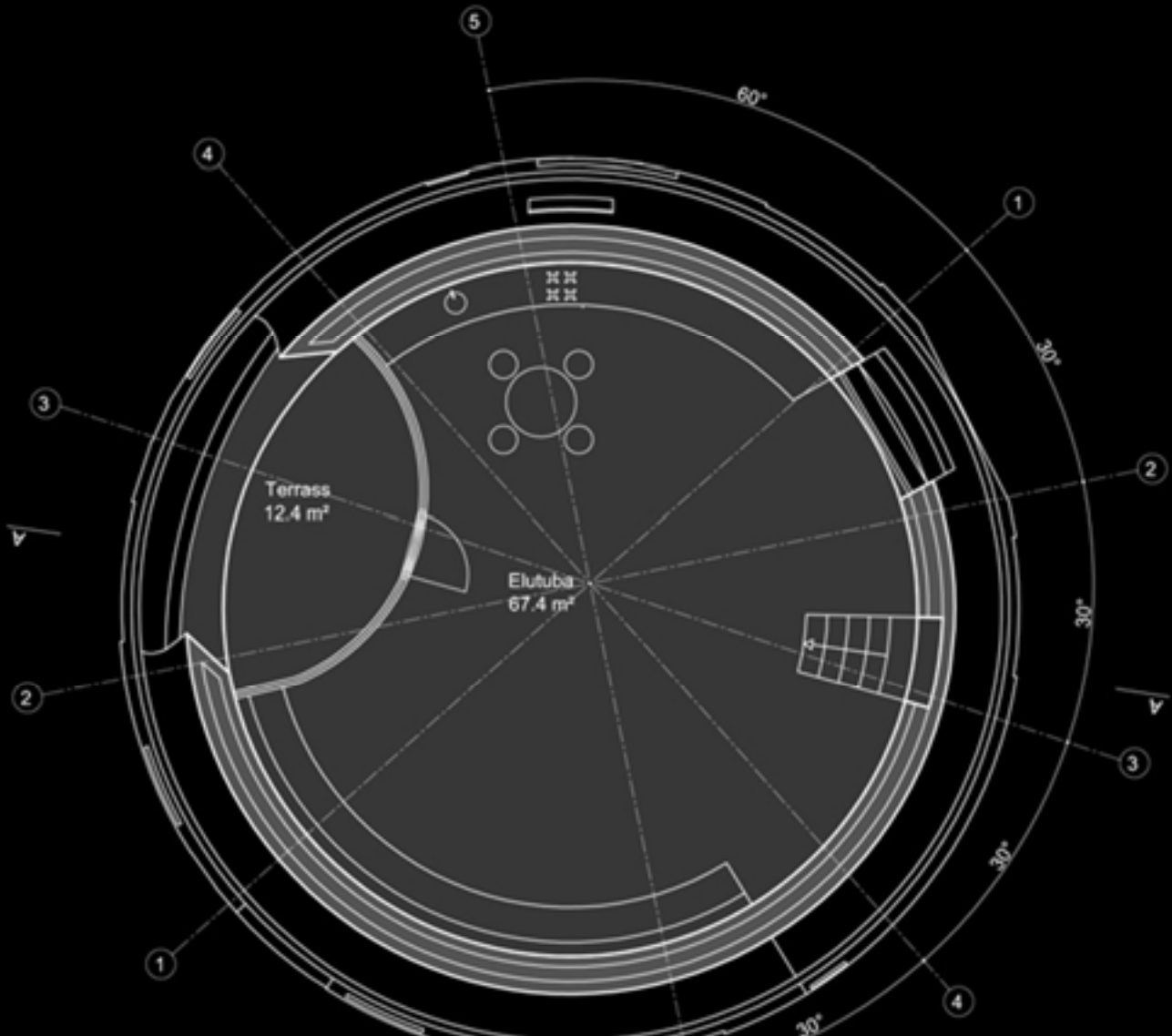
Nagu jooniselt 11 näha, siis kuigi 100x75 mm katsekehade puhul 200 ja 600 mm naelte sammu korral saavutati lähedased tulemused, olid täpsemaid tulemusi andvate suuremate katsekehade korral tugevused selgelt sõltuvuses naelte sammust. Kui võrrelda 200 ja 400 mm sammuga katsekehi, siis suurema nihkepinna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

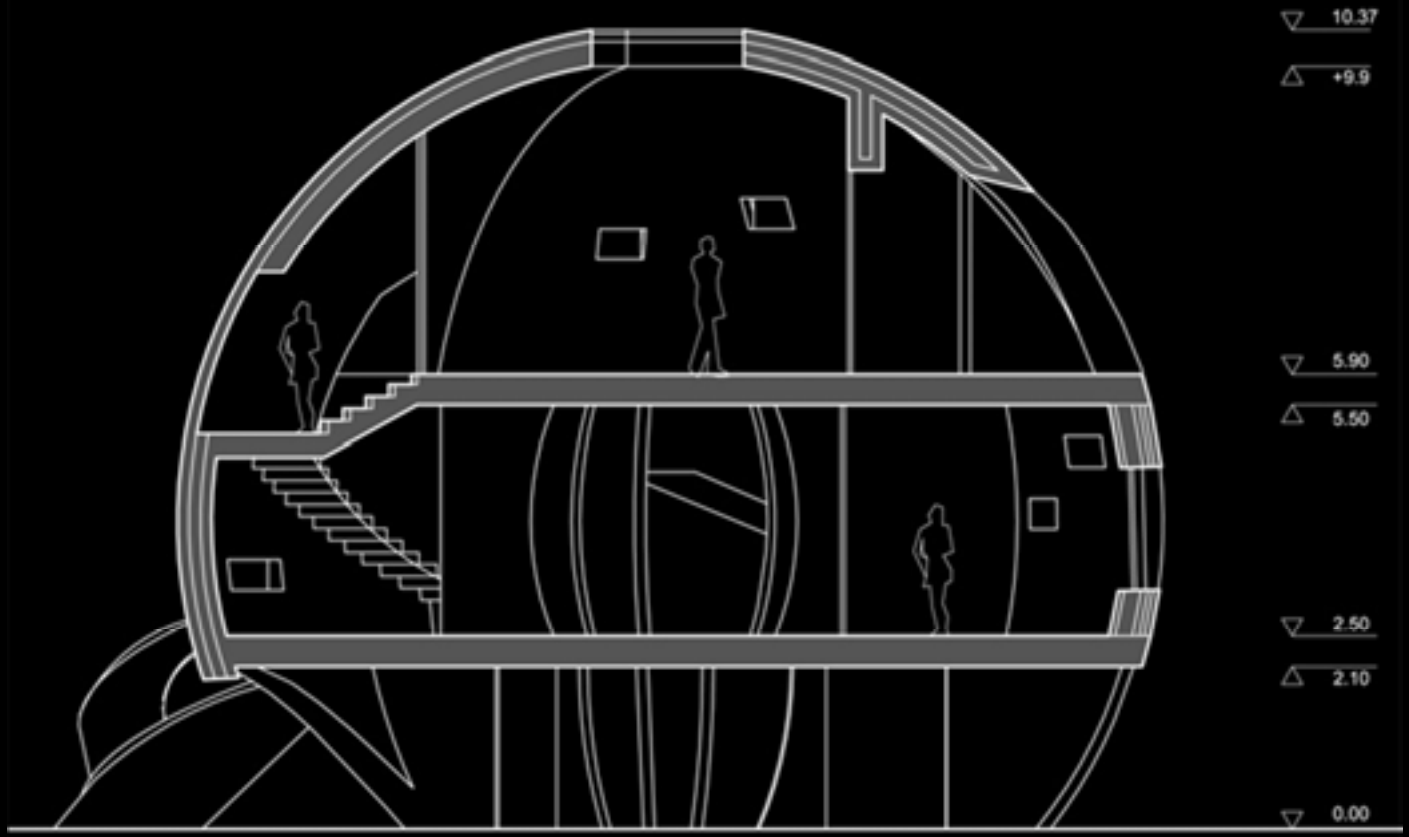
Kuna normatiivset puidu tugevust ei saavutatud ühegi sammu juures, siis on oluline muuta liimimise metoodikat või teha tugevusarvutused vastavalt katselistele

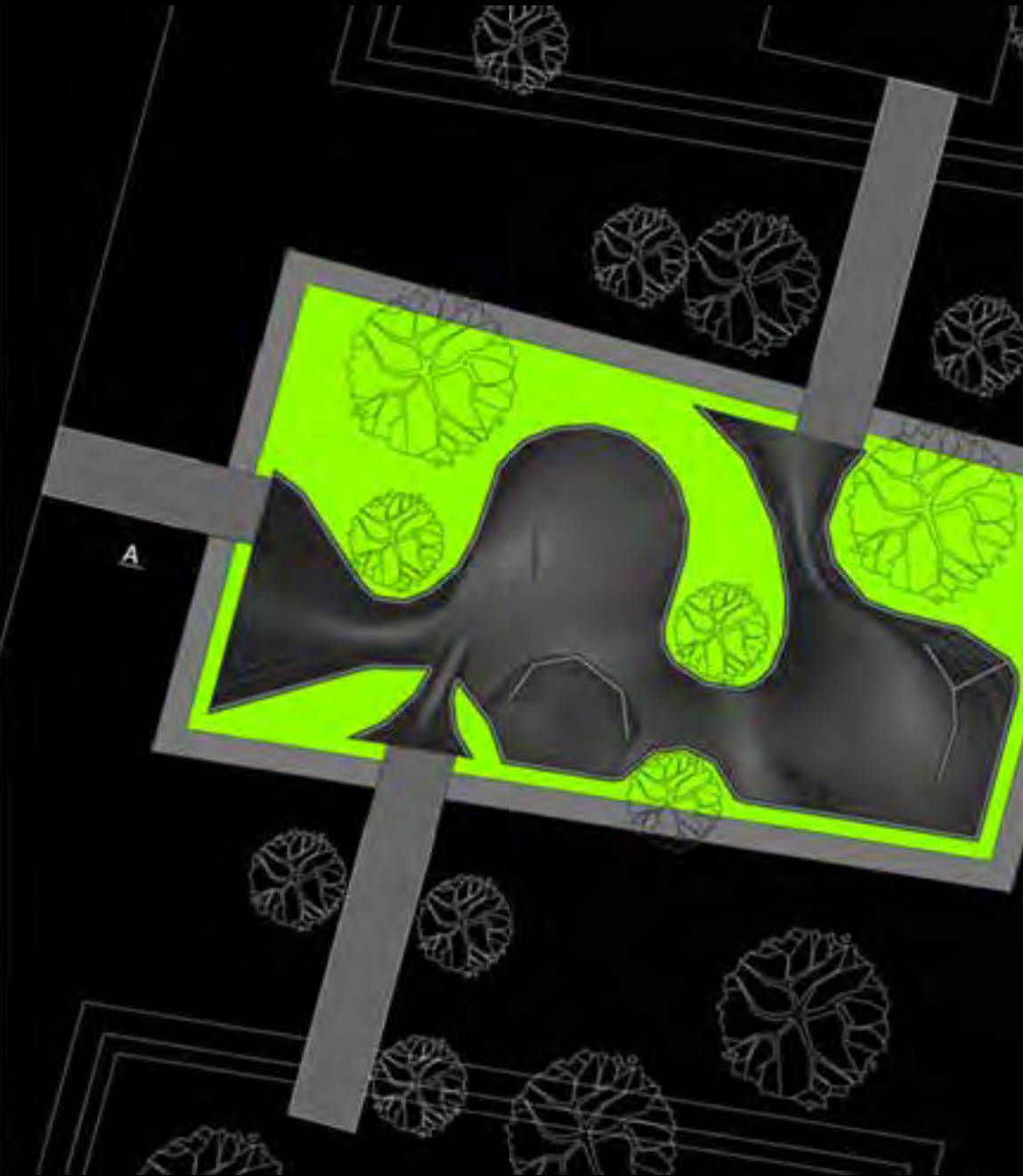

N

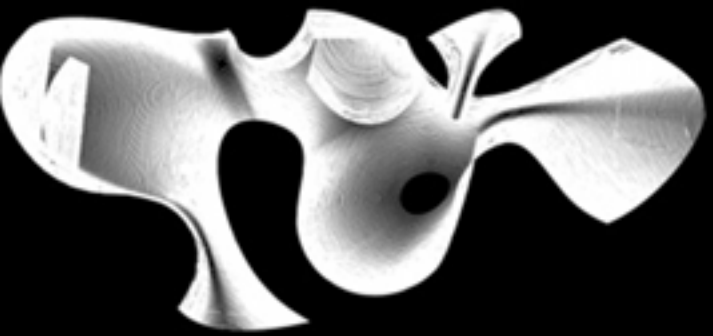

5
60°
4
1
Panipaik
5.5 m²
Panipaik 11.7 m²
30°
3
2
Tehno.ruum
5.5 m²
A
A
2
Eesruum
11.7 m²
3
Leiliruum
5.5 m²
Pesuruum
5.5 m²
30°
1
4
30°

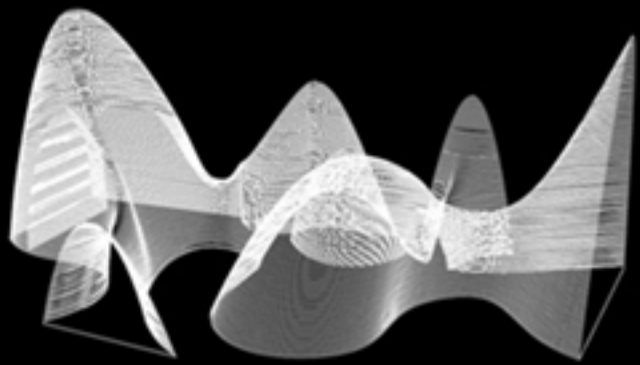

60°
30°
30°
30°
30°
Vannituba
9.2 m²
Tuba
16.5 m²
Vannituba
5.2 m²
Gard.
2.3 m²
Gard.
2.3 m²
Terrass
4.0 m²
Hall
9.0 m²
Tuba
16.5 m²
Tuba
15.5 m²
Wc
1.8 m²
Esik
10.3 m²
Vannituba
2.6 m²
A
A
1
2
3
4
5

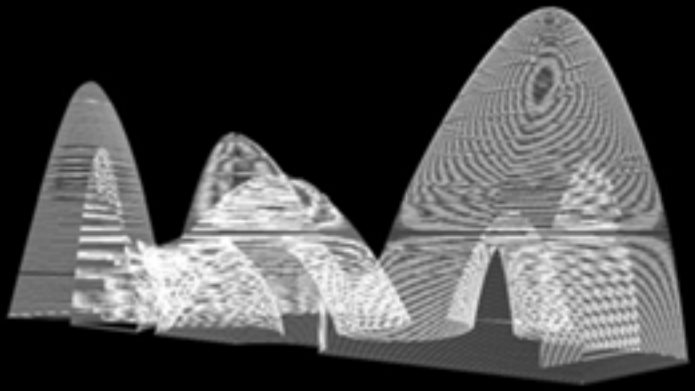

5
60°
4
1
30°
3
2
Terrass
12.4 m²
A
Elutuba
67.4 m²
30°
A
2
3
30°
1
4
30°

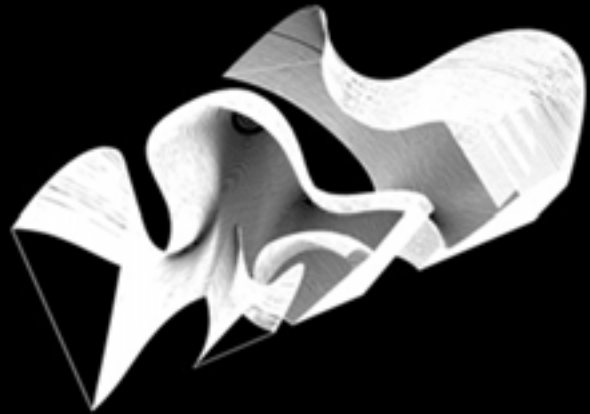

10.37
+9.9
5.90
5.50
2.50
2.10
0.00

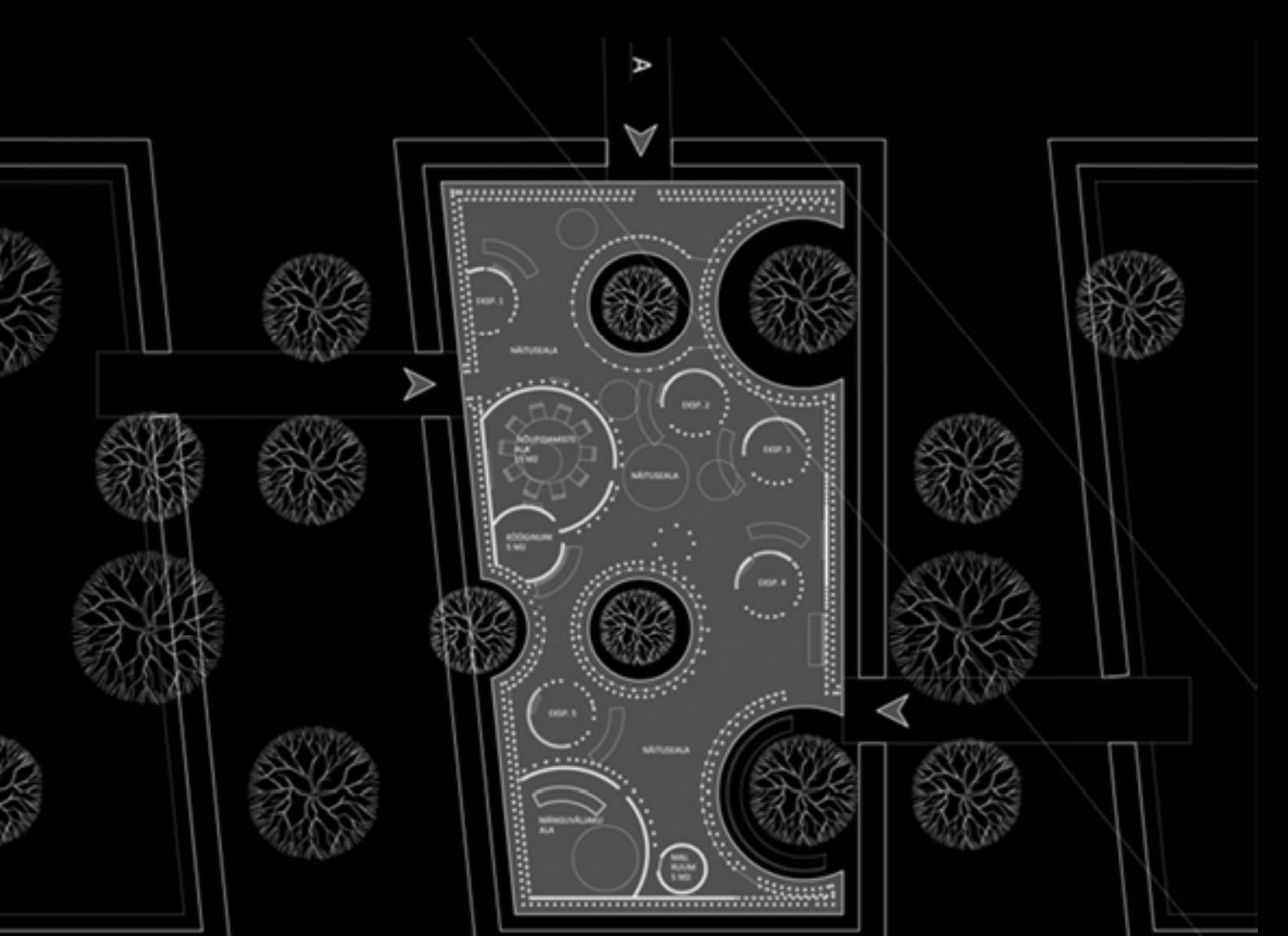

A

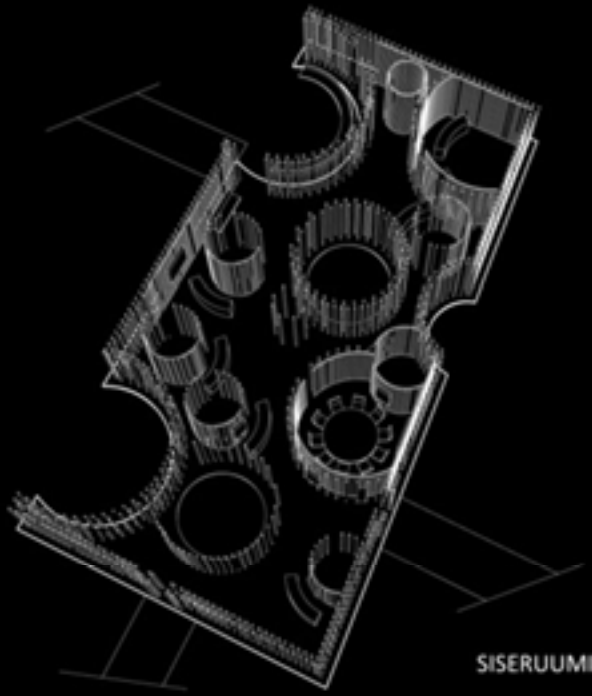


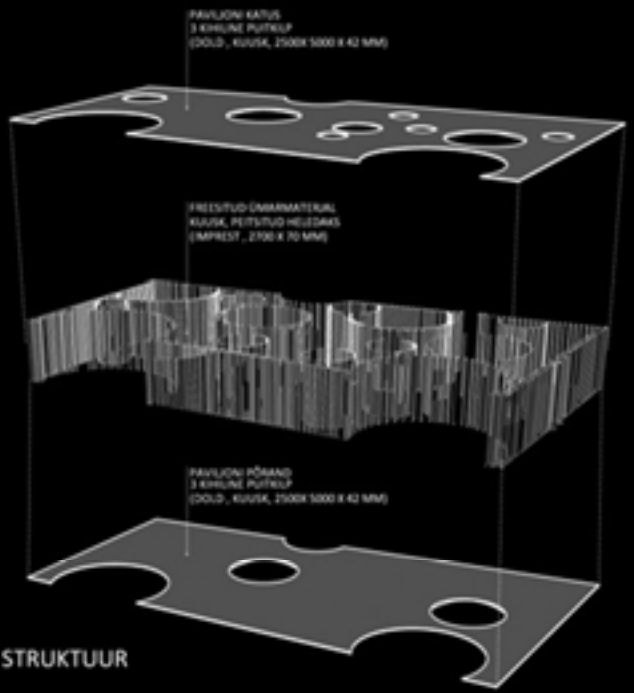




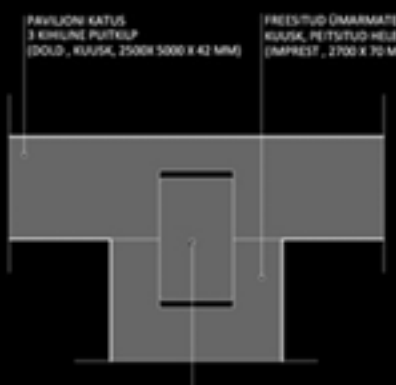


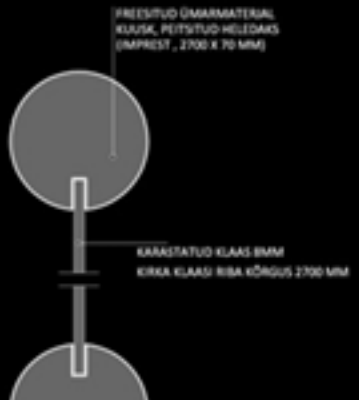

A
EKSP. 1
NÄITUSEALA
EKSP. 2
EKSP. 3
NÄITUSEALA
KÜÜGINURK
5 MÖ
EKSP. 4
EKSP. 5
NÄITUSEALA
MÄNGUVÄLJAKU ALA
MÄNG. KUJUM 5 MÖ

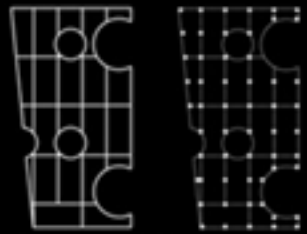


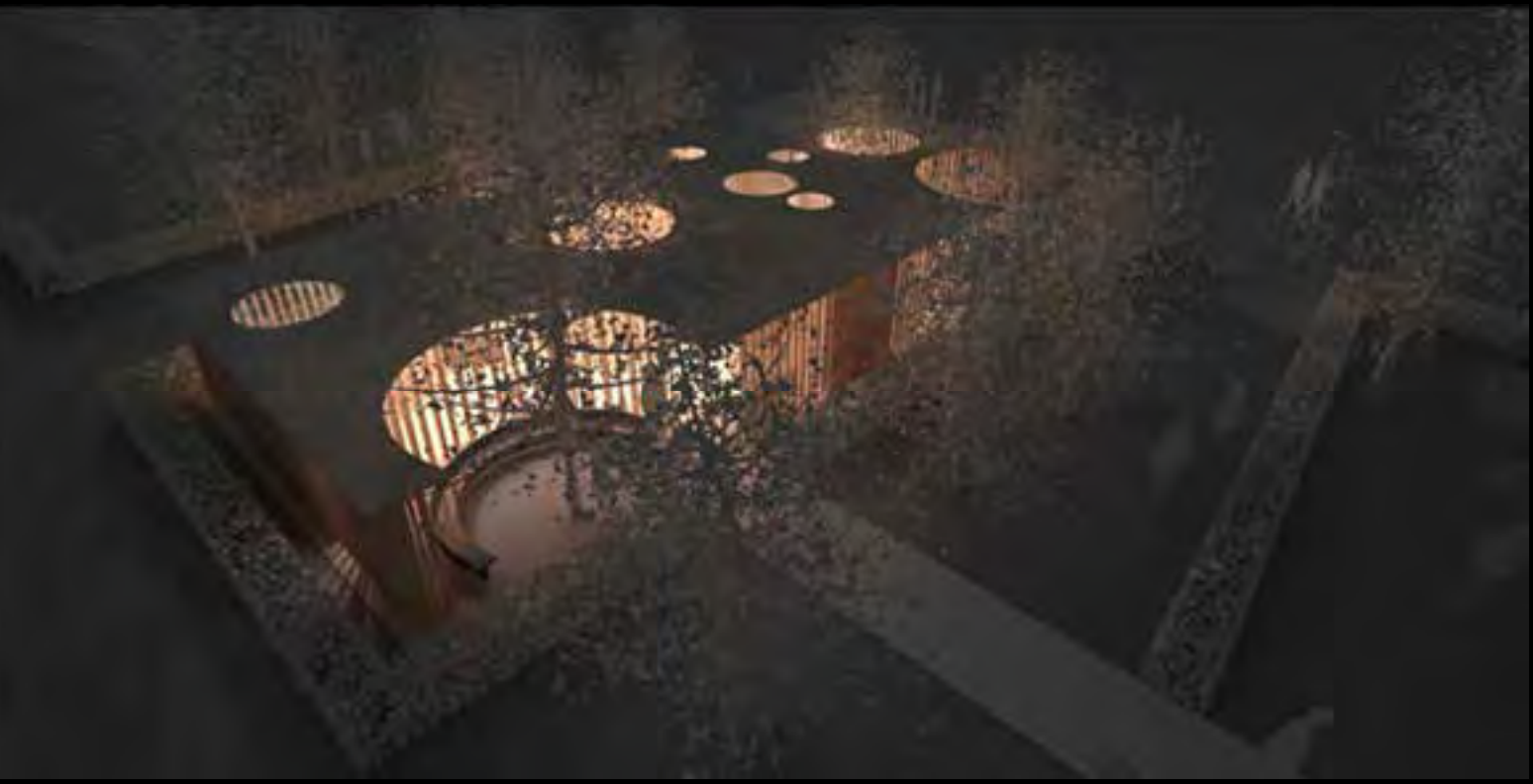


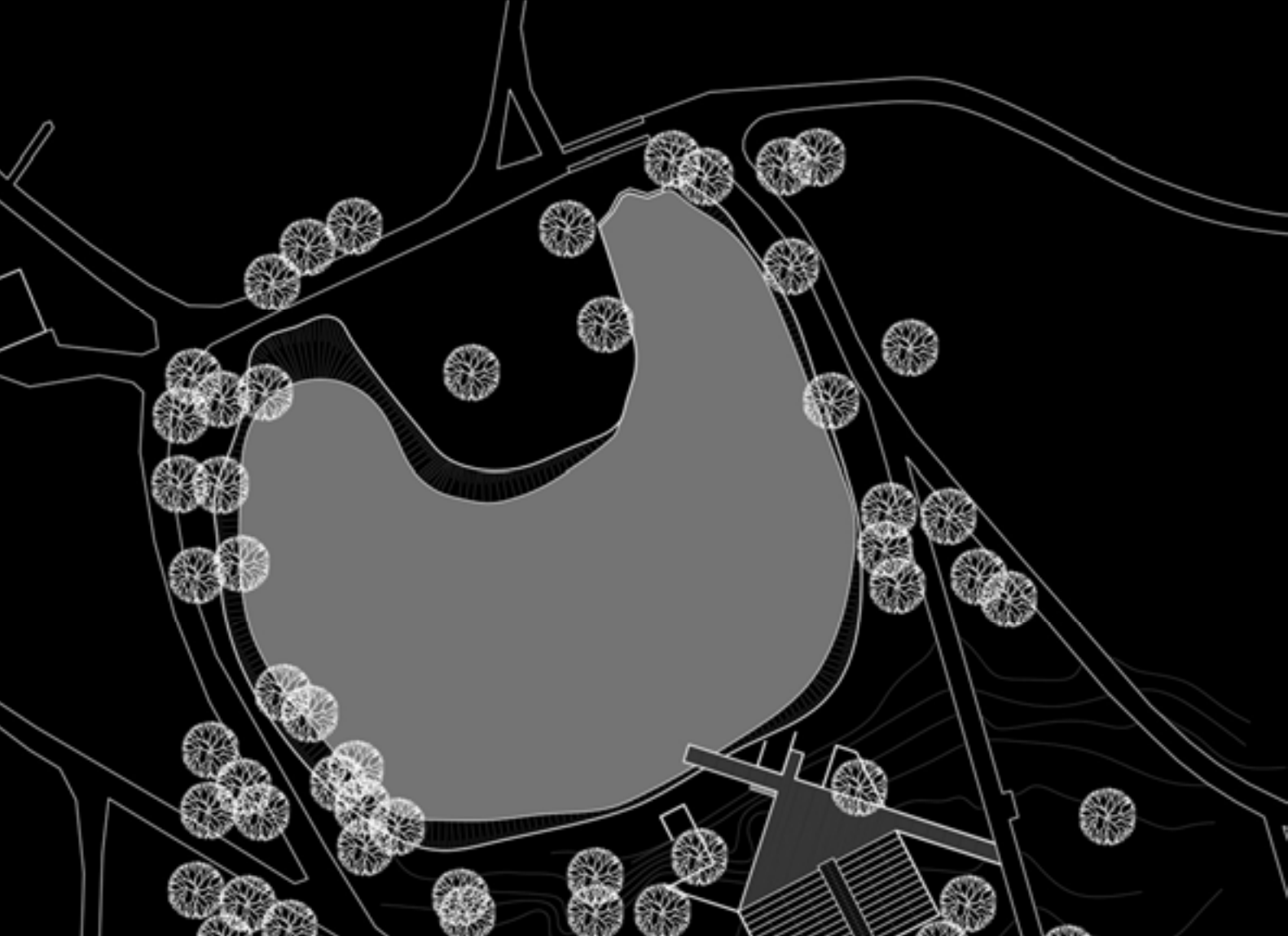
SISERUUMIDE STRUKTUUR

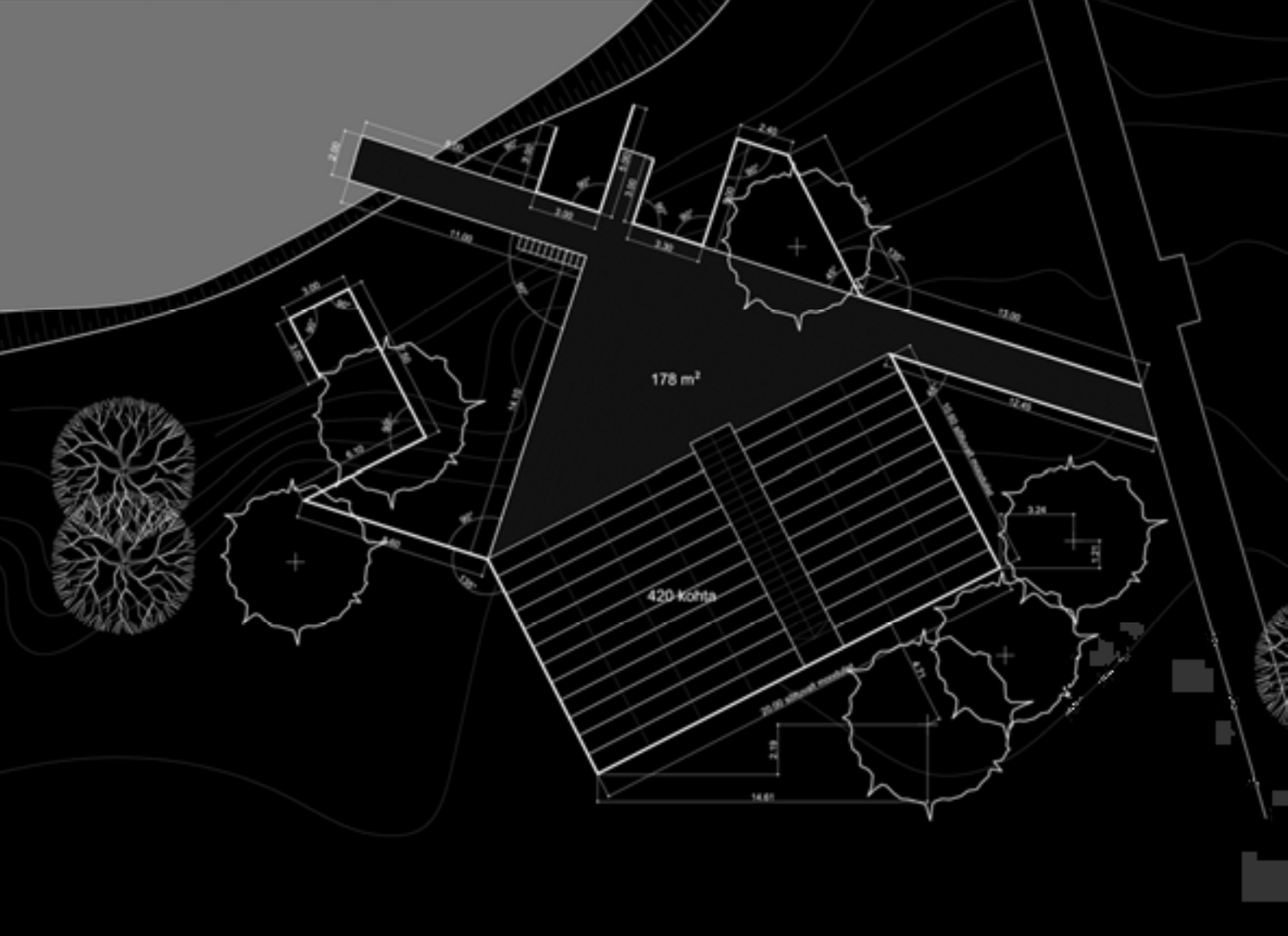


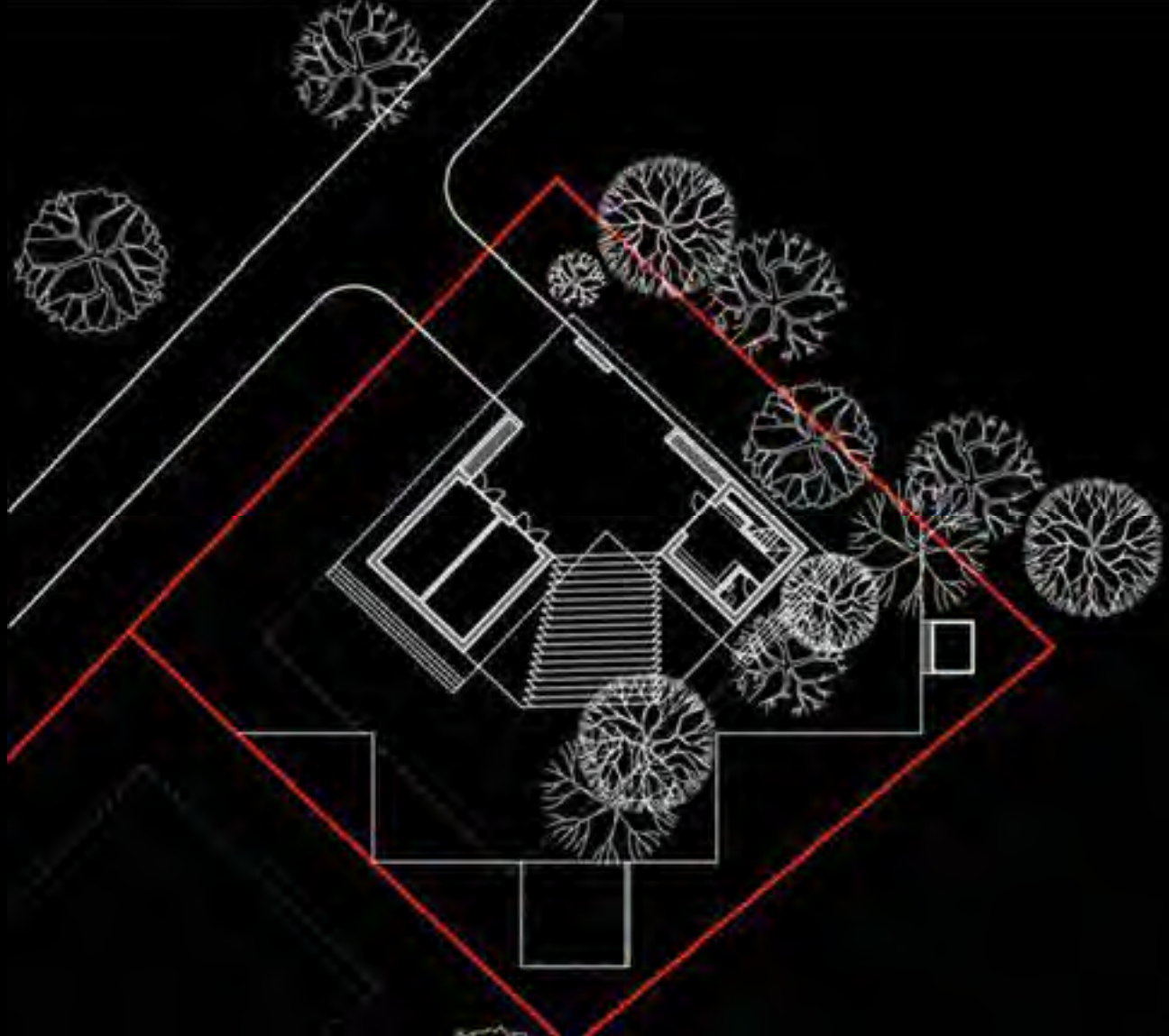


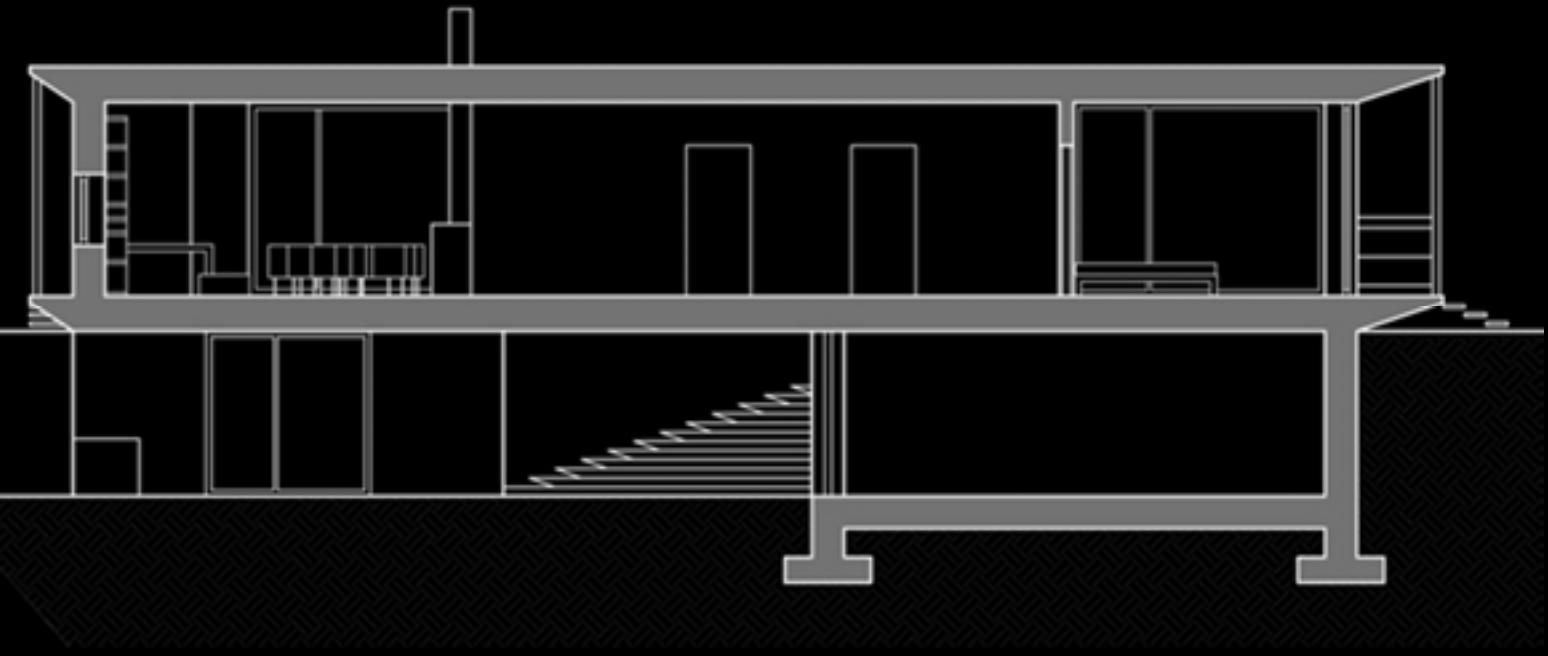


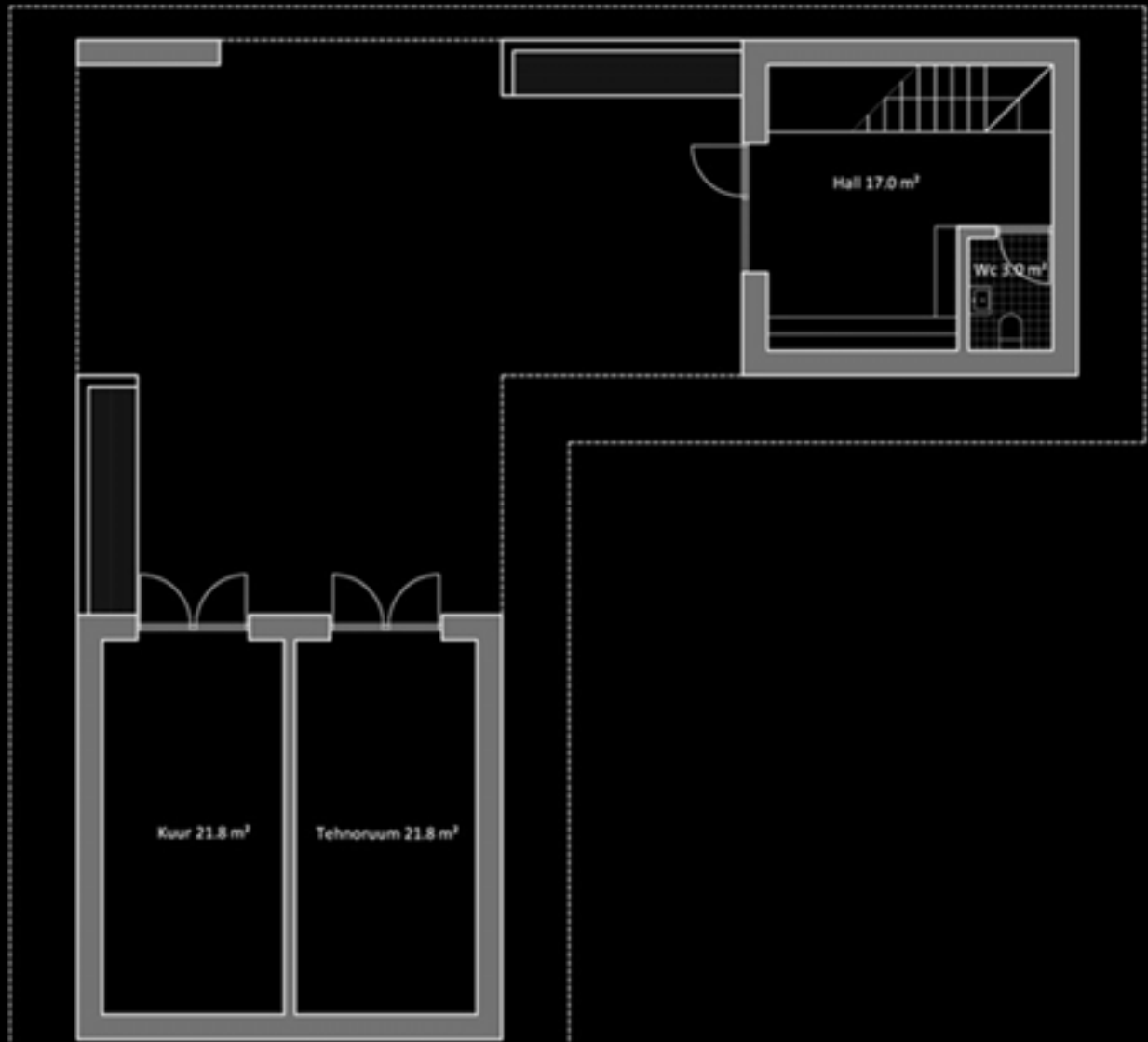





178 m²
420-kohta

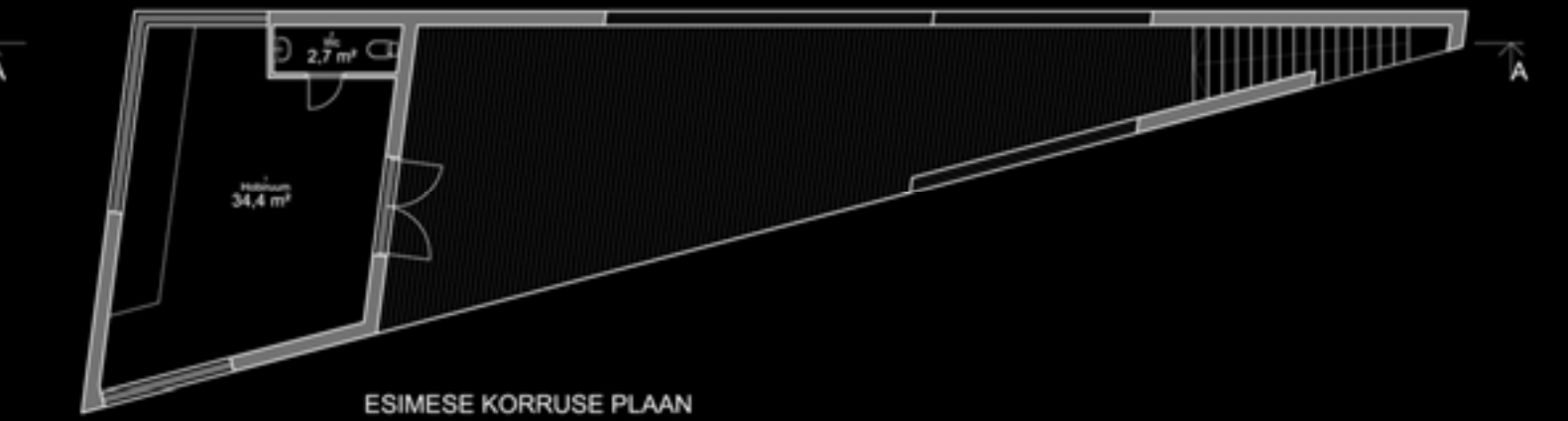




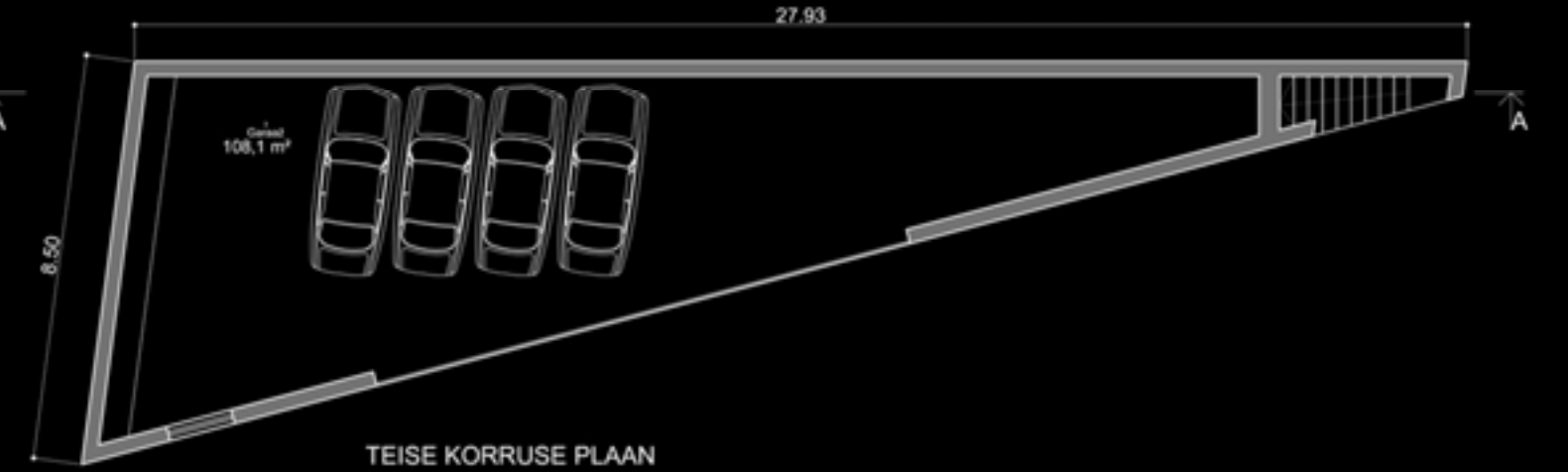

Hall 17.0 m²
Wc 3.0 m²
Kuur 21.8 m²
Tehnoruum 21.8 m²


Abi
3.4 m²
Köök 16.5 m²
Terrass
13.5 m²
Tuba 48.1 m²
Pesu 4.7 m²
Pesu 4.2 m²
Esik
9.8 m²
Tuba 12.2 m²
Tuba 10.5 m²
Leil 4.2 m²
Wc 2.8 m²
Tuba 24.3 m²

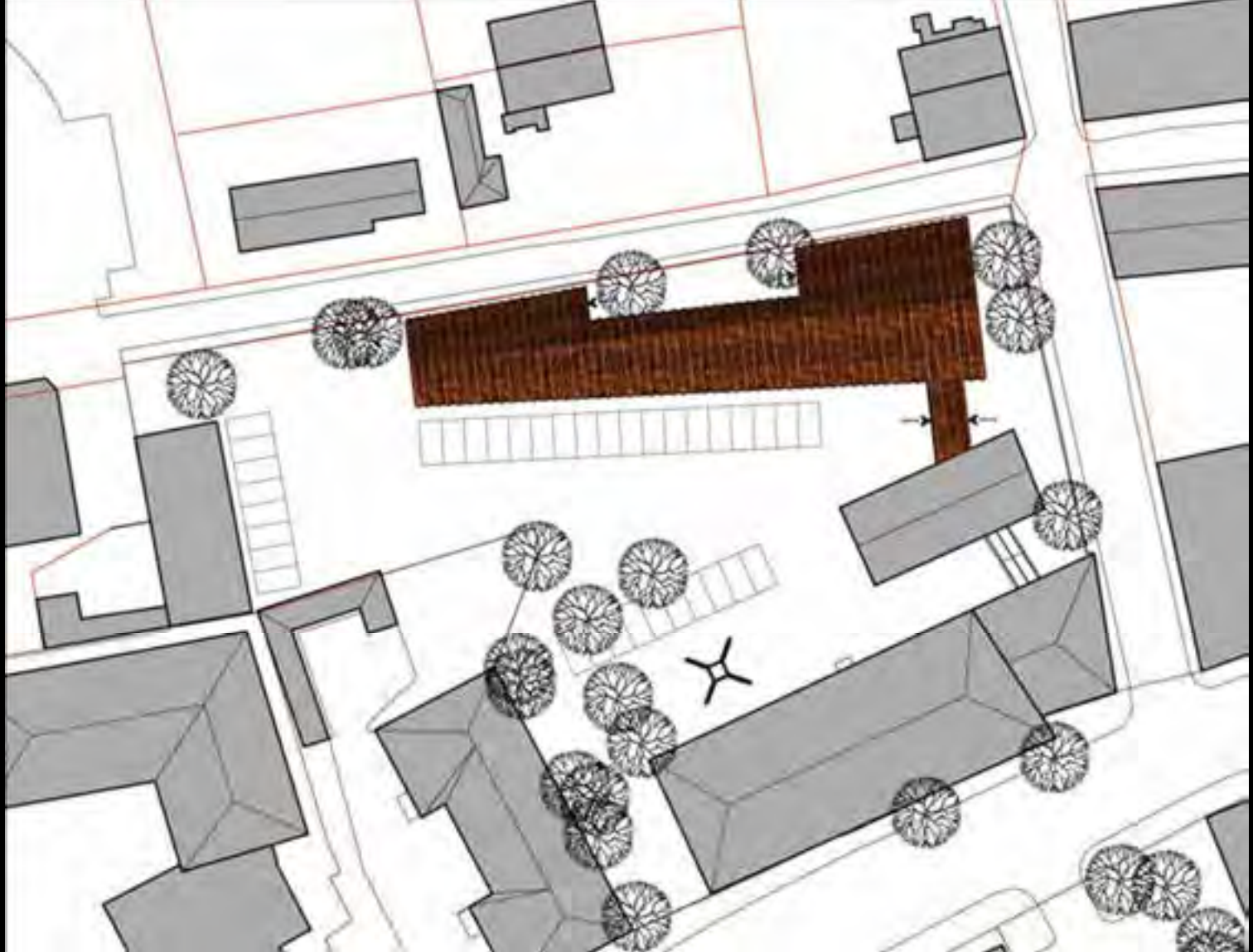

SMÄRGID:
OLEMASOLEV HOONE
PLANEERITAV ABIHOONE
MURUKIVIGA KAETUD JUURDEPÄÄSUTEE
PIIRDEAED
ELEKTRIKÄELU ALA
KRUNDIPIIR
OLMEPRÜGI KONTEINERSID
SIRGUPAAS
LIKVIDEERITAV KÕRGPINGELIINITUGI
Pärnamäe tee
Soldima tee
240
233
242
234
278
OLEMASOLEV HOONE 1K
272
243
PLANEERITAV ABIHOONE 2K
275
286

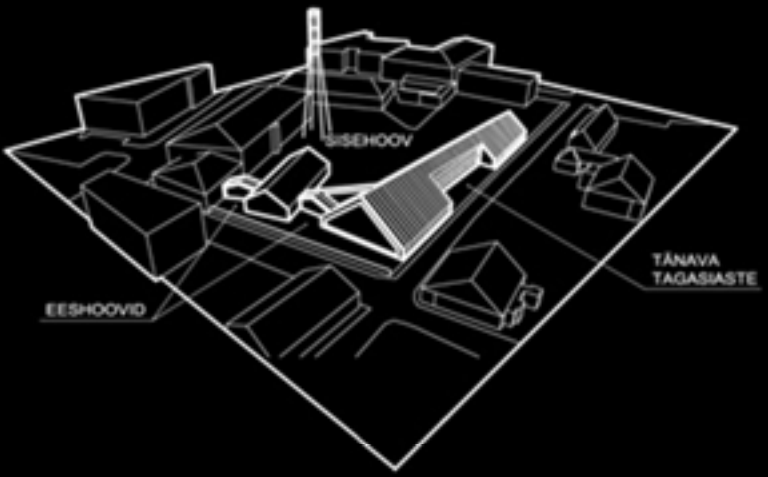


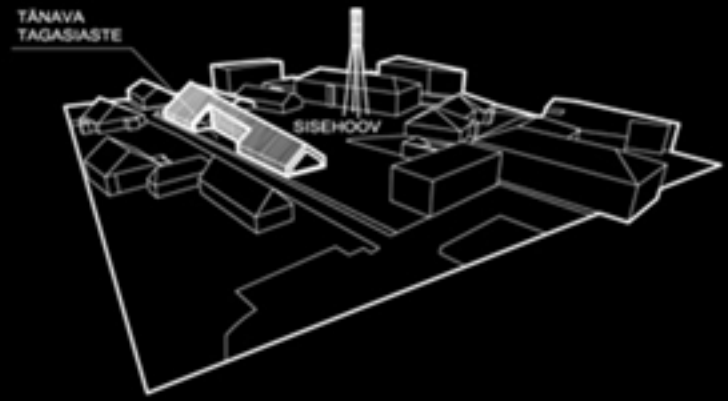
ESIMESE KORRUSE PLAAN

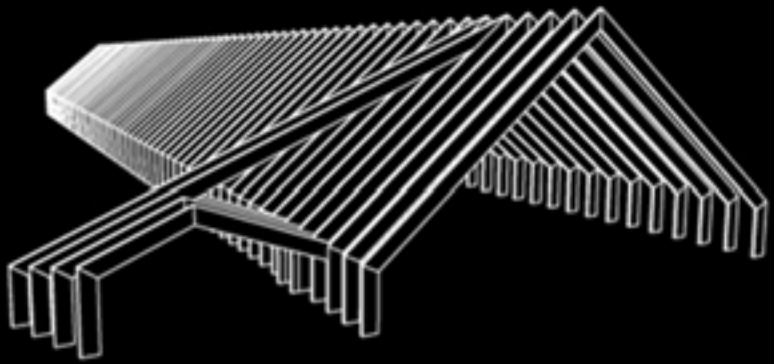


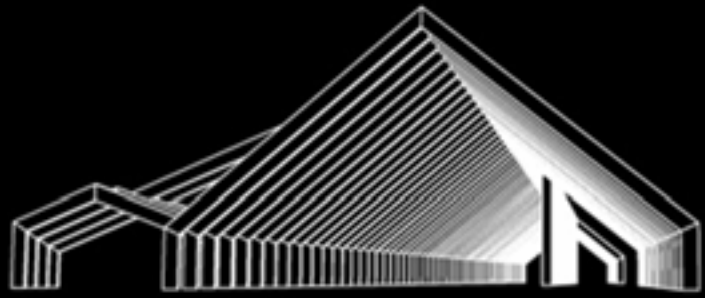
TEISE KORRUSE PLAAN



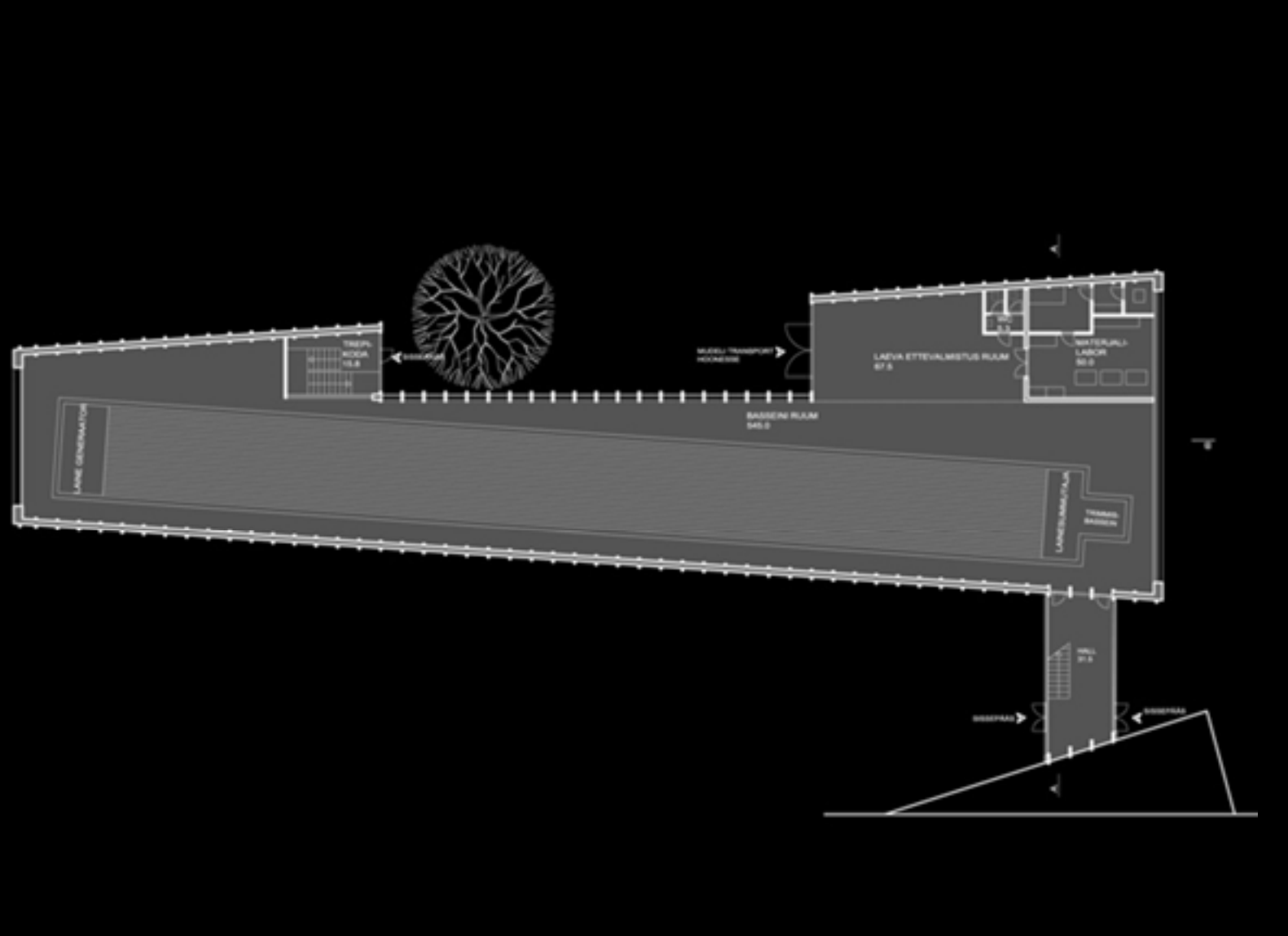


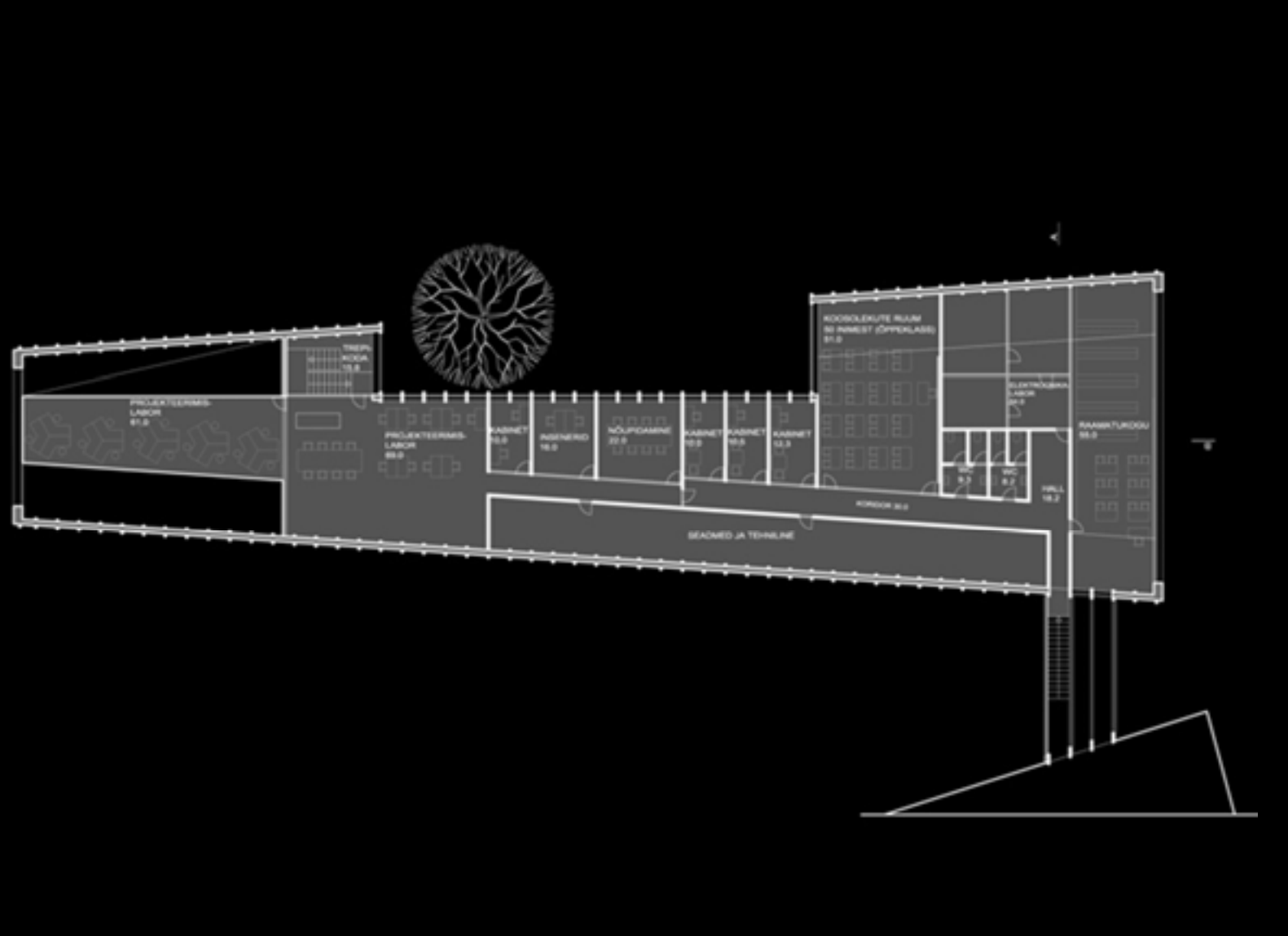




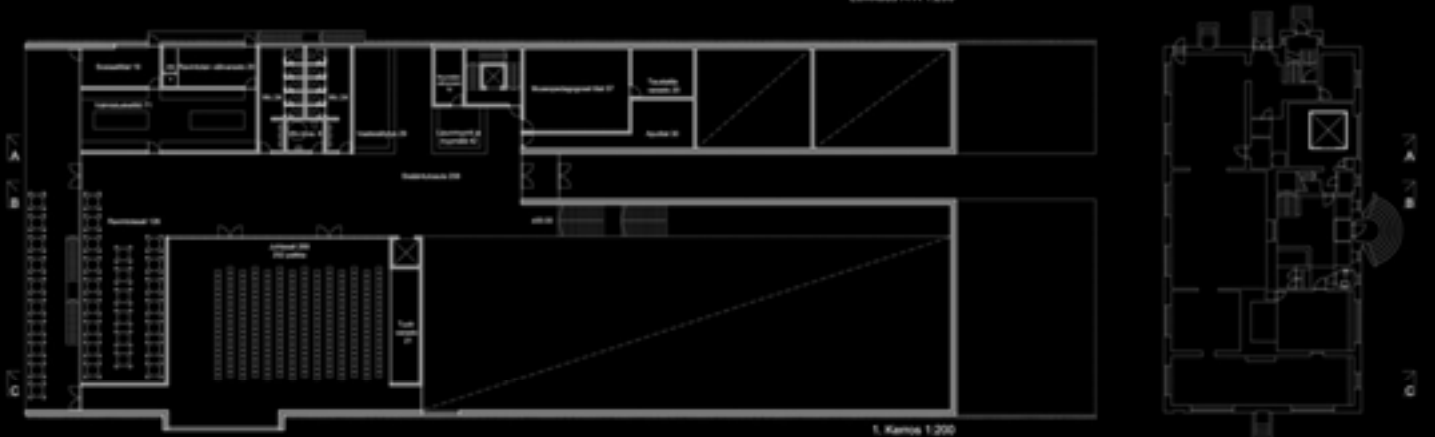


HOONE KARKASS


TREEPL
KOGA
10,8
MUUSEU TRANSPORT
HOONESSE
LAEVA ETTEVALMISTUS RUUM
67,5
MATERJALI-
LABOR
50,0
BASSEIN RUUM
545,0
LAINE GENERAATOR
LAINESILINDRI JA
TRIMMIS
BASSEIN
HALL
21,5
BASSEINAAS
BASSEINAAS


PROJEKTEERIMIS-
LABOR
67.0
TREPP/
KOGA
15.8
PROJEKTEERIMIS-
LABOR
69.0
KABINET
10.0
INSENERID
16.0
NÕUPIDAMINE
22.0
KABINET
10.0
KABINET
10.5
KABINET
12.3
KOOSOLEKUTE RUUM
50 INIMEST (ÕPPEKLASS)
51.0
ELEKTROÕPPE-
LABOR
24.0
RAAMATUKOGU
68.0
WC
9.7
WC
8.7
FIBLI
18.2
KORRIDOR 30.0
SEADMED JA TEHNILINE


1-5

1. Kerros 1:200

1. Kerros 1:200

Julkisivut 1:200

B a Rock

2m 10m
1m 5m

Leikkaus C-C 1:200

Leikkaus B-B 1:200

Leikkaus A-A 1:200