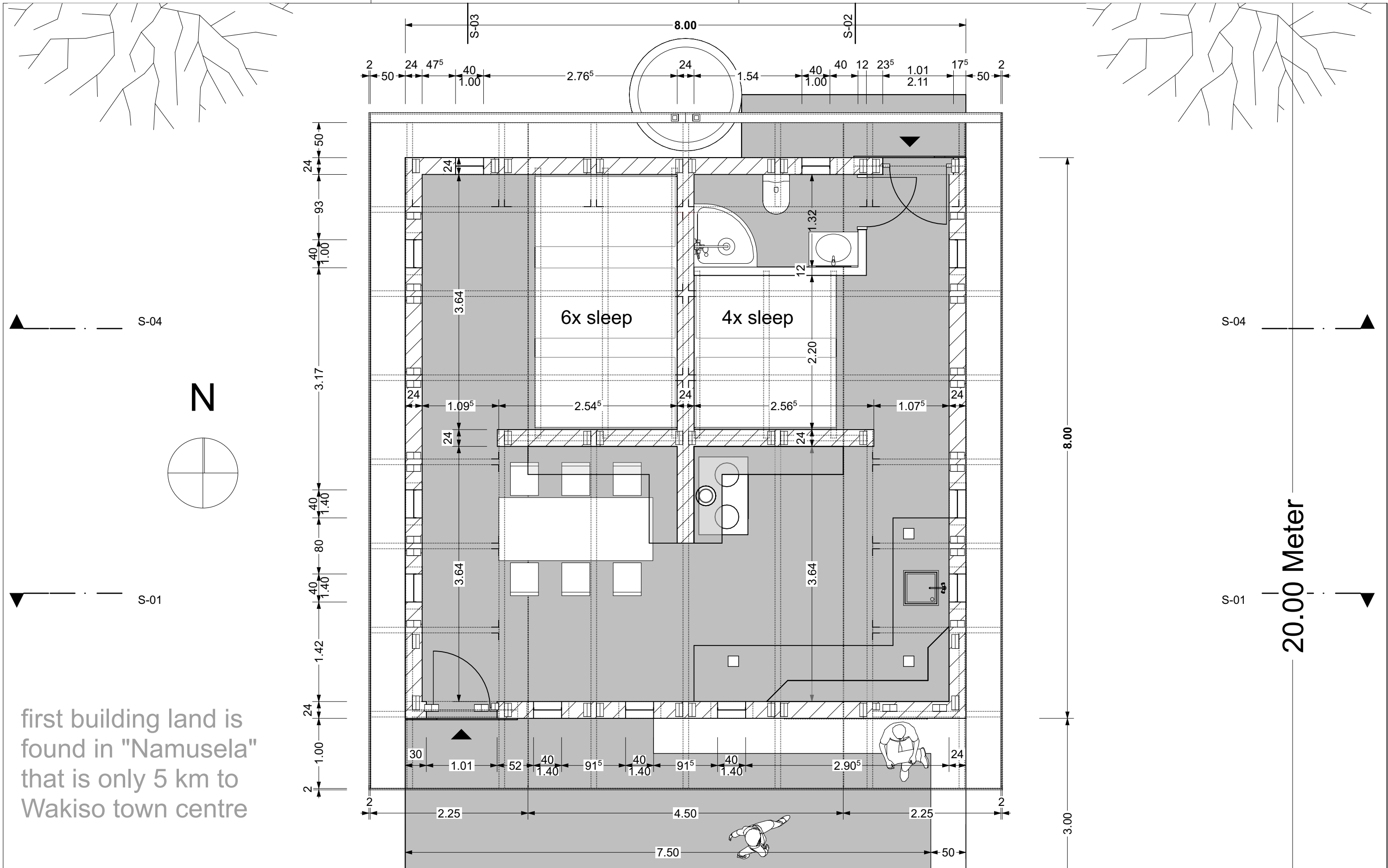


"Wakiso Family House" design for Wakiso District / 25.000 USD or 90.000.000 UGS in Uganda in East Africa

first building land is found in Namusela - that is only 5 km to Wakiso town centre

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Wakiso District Countryside HOUSE :	MGKB building contractor COMPANY :	ARCHITECT :	BA.01	Perspective / Roof
" Wakiso-Family-House " land 20 x 20 M. 8 Person Family House in the countryside	Richard Mugasho / Civil Engineer / 25 % from Kampala / Tel: +256 7554 906 60 Jimmy Kasole / Urban Planner / 25 % from Kiboga / Tel: +256 7581 982 00 George Botyo / Experienced Builder / 25 % from Kampala / Tel: +256 7552 365 28 Volker Goebel / Dipl.-Ing., Architect / 25 %	Volker Goebel / Switzerland Architect, Diploma-Engineer Gersauerstr. 85 / 6440 Brunnen Tel: +41 41 820 06 58 Mob: +41 79 424 61 48 E-Mail: info@ing-goebel.ch Web: www.ing-goebel.ch		
please also see " Rent/Buy contract " for 1 Family-House by two names signature			Allgemeine Axonometrie	
project funding cooperation by Centenary Rural Development Bank Ltd / Wakiso / U.			Scale	Sheet
			1:1.54	420*297 A3
			Date	Draftman / Architect
			15. August 2017	Dipl.-Ing. Volker Goebel
			Dateiname: Wakiso_Family_House_Building_Plans.pln	
			Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln	

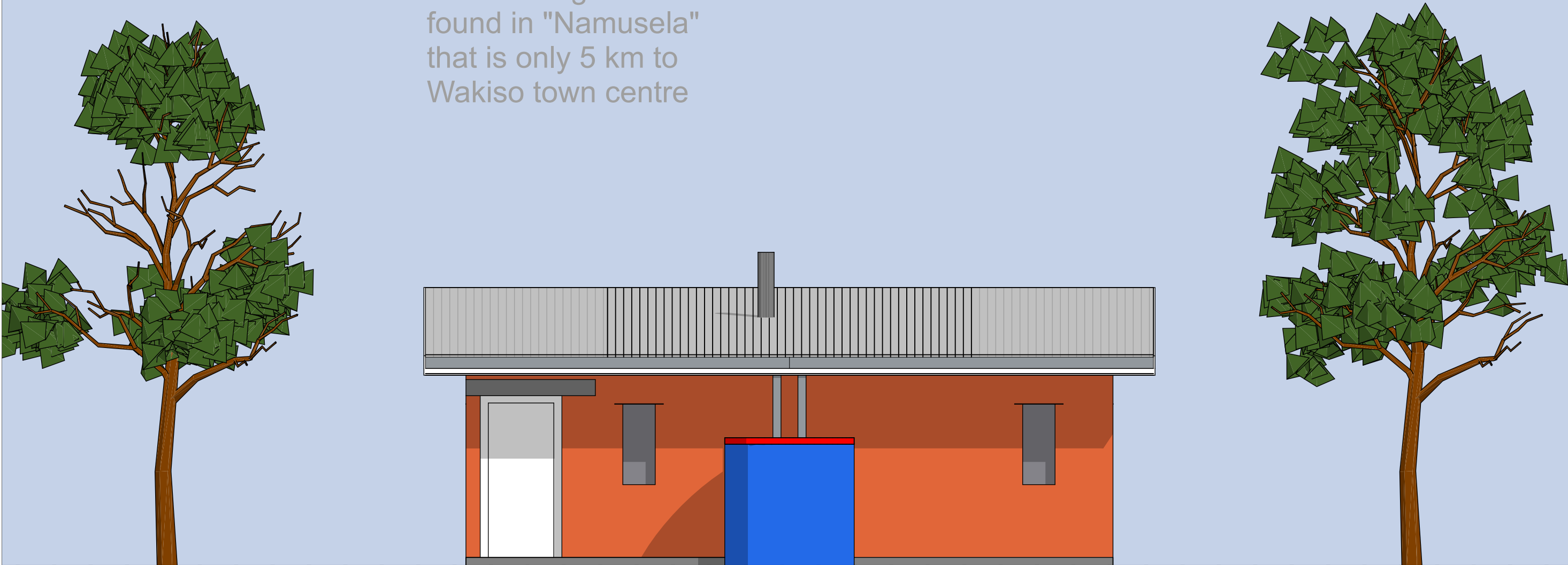


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Wakiso District Countryside HOUSE : "Wakiso-Family-House" land 20 x 20 M. 8 Person Family House in the countryside please also see " Rent/Buy contract " for 1 Family-House by two names signature project funding cooperation by Centenary Rural Development Bank Ltd / Wakiso / U.		MGKB building contractor COMPANY : Richard Mugasho / Civil Engineer / 25 % from Kampala / Tel: +256 7554 906 60 Jimmy Kasole / Urban Planner / 25 % from Kiboga / Tel: +256 7581 982 00 George Botyo / Experienced Builder / 25 % from Kampala / Tel: +256 7552 365 28 Volker Goebel / Dipl.-Ing., Architect / 25 %		ARCHITECT : Volker Goebel / Switzerland Architect, Diploma-Engineer Gersauerstr. 85 / 6440 Brunnen Tel: +41 41 820 06 58 Mob: +41 79 424 61 48 E-Mail: info@ing-goebel.ch Web: www.ing-goebel.ch		BA.02		Floorplan/Roofplan	
0. EG									
Scale		Sheet		Date		Draftman / Architect			
1:50		420*297 A3		15. August 2017		Dipl.-Ing. Volker Goebel			
Dateiname: Wakiso_Family_House_Building_Plans.pln									
Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln									

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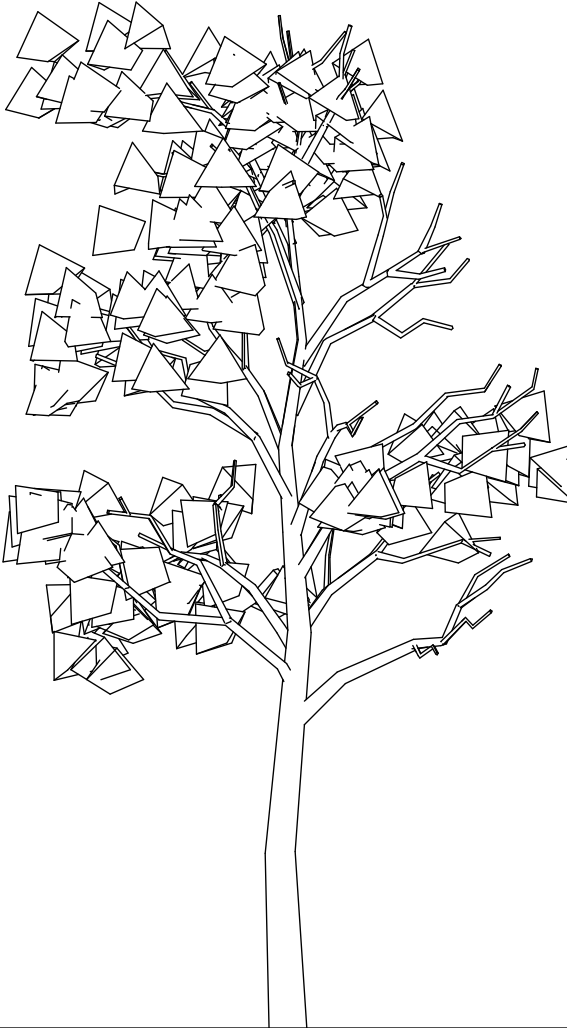
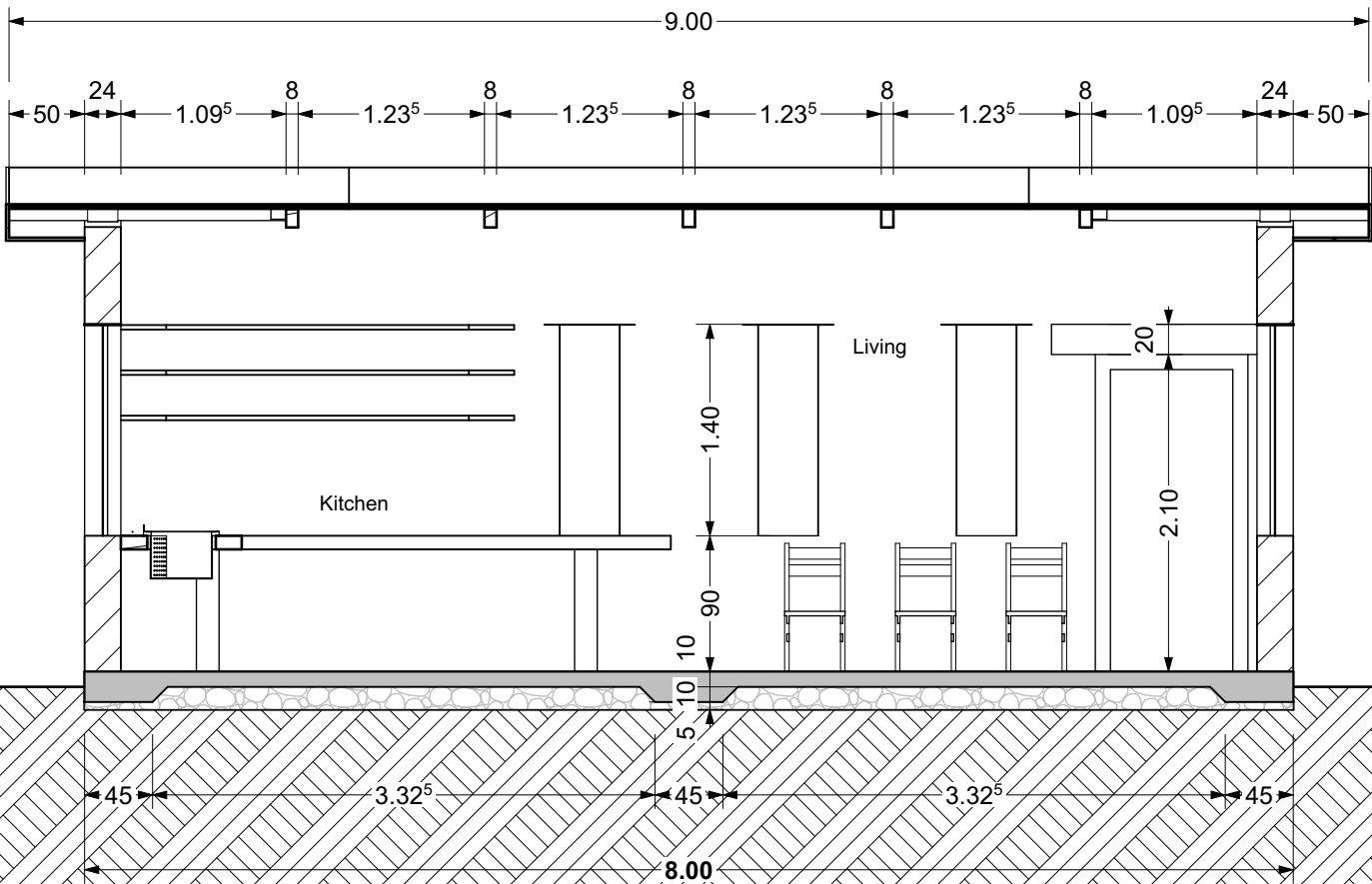
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A-01 Ansicht Nord			
Scale	Sheet	Date	Draftman / Architect
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Dateiname: Wakiso_Family_House_Building_Plans.pln			
Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln			

"Wakiso Family House" design for Wakiso District / 25.000 USD or 90.000.000 UGS in Uganda in East Africa

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cut
01-01



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BA.04

Cut 01-01

S-01 Schnitt A-A			
Scale	Sheet	Date	Draftman / Architect
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Dateiname: Wakiso_Family_House_Building_Plans.pln			
Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln			

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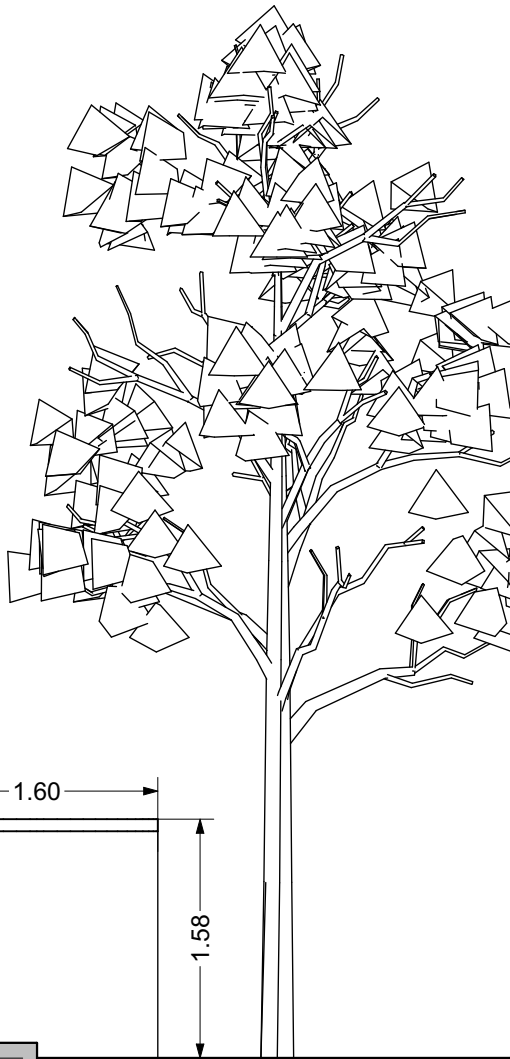
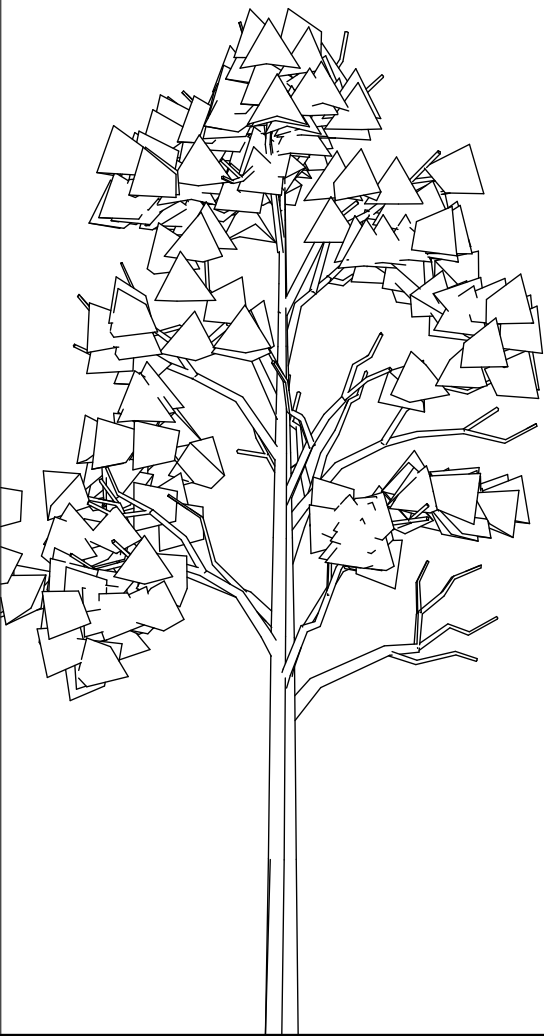
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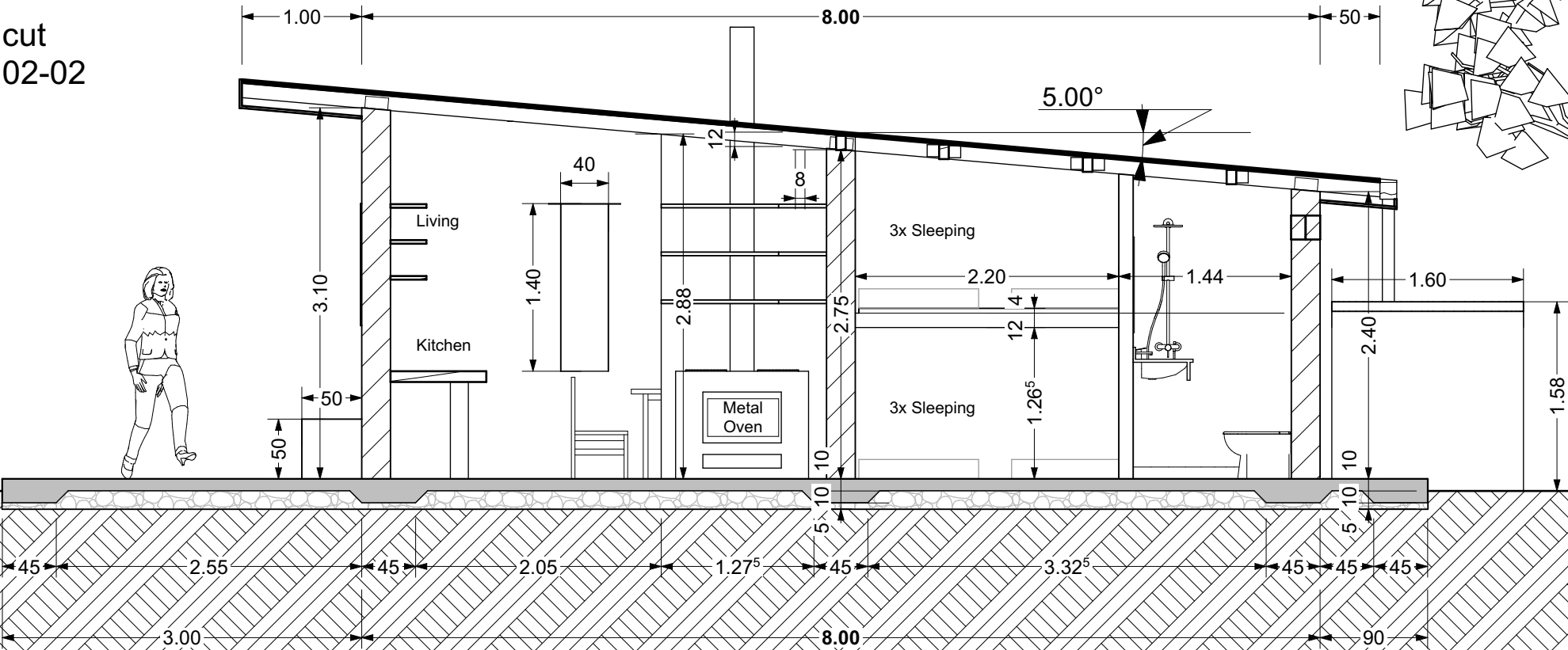
BA.05		Elevation 2	
A-02 Ansicht Nord			
Scale	Sheet	Date	Draftman / Architect
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Dateiname: Wakiso_Family_House_Building_Plans.pln			
Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln			

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cut
02-02



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Web: www.ing-goebel.ch

BA.06

Cut 02-02

S-02 Schnitt A-A			
Scale	Sheet	Date	Draftman / Architect
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Dateiname: Wakiso_Family_House_Building_Plans.pln			
Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln			

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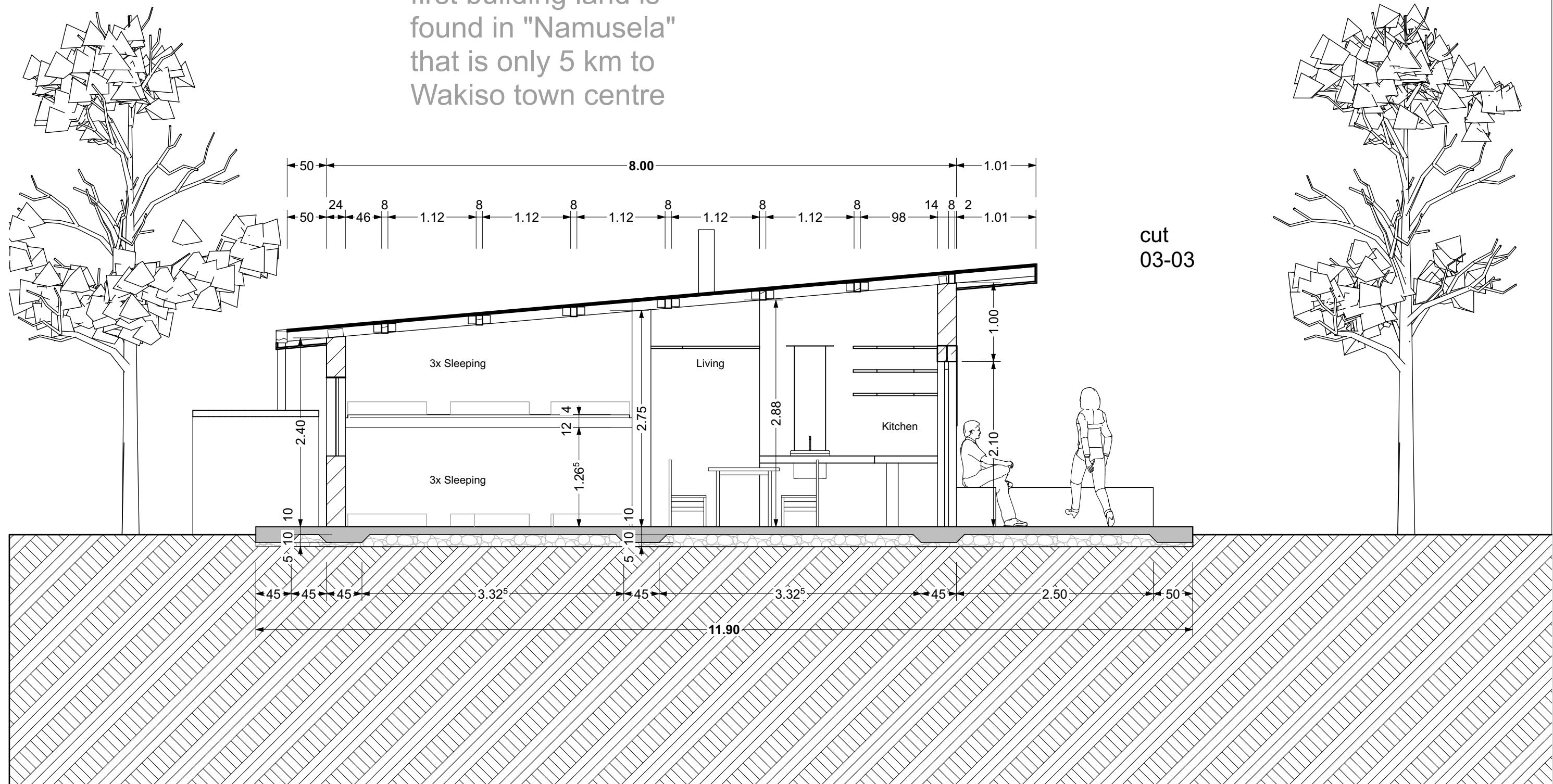
Tel: +41 41 820 06 58
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Web: www.ing-goebel.ch

BA.07		Elevation 3	
A-03 Ansicht Nord			
Scale	Sheet	Date	Draftman / Architect
1:50	420*297 A3	15. August 2017	Dipl.-Ing. Volker Goebel
Dateiname: Wakiso_Family_House_Building_Plans.pln			
Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln			

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BA.08

Cut 03-03

S-03 Schnitt A-A

Scale

Sheet

Date _____

Draftman / Architect

1:50

420*297 A3

15. August 2017

Dipl.-Ing. Volker Goebel

Dateiname: Wakiso Family House Building Plans.pln

Pfad: /Users/goebelvolker/Desktop/Wakiso Family House/Wakiso Family House Building Plans.pln

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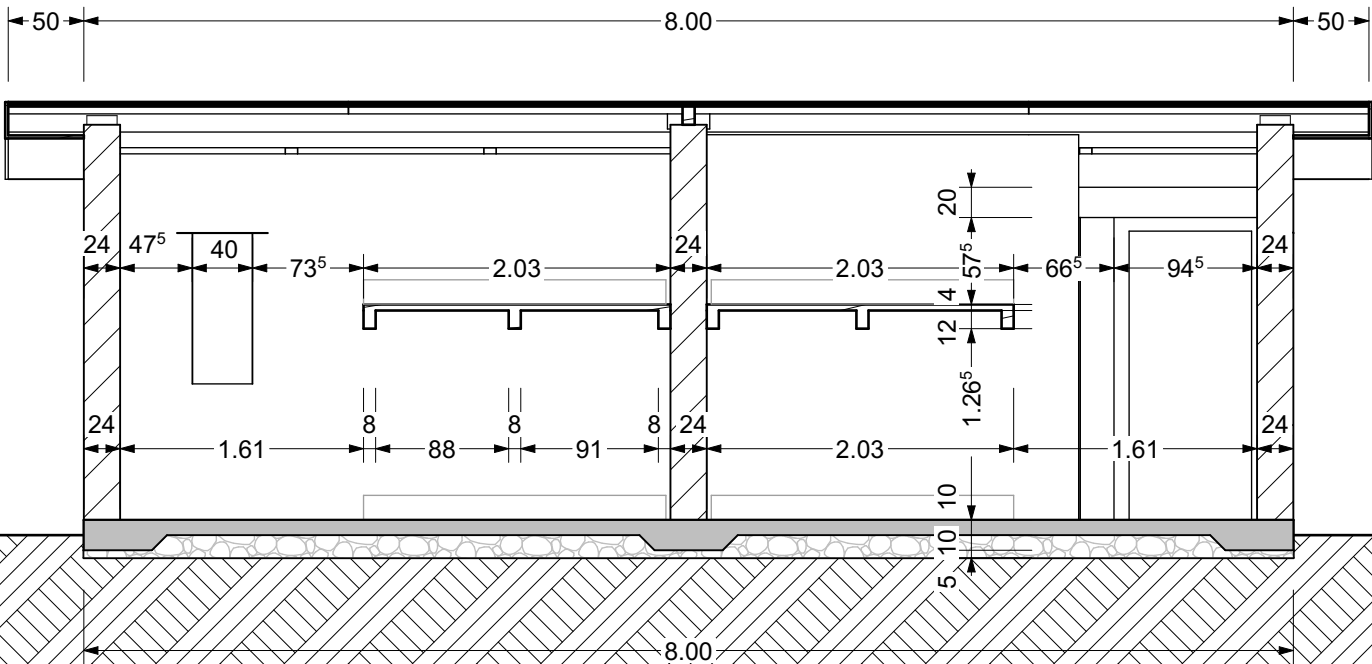
E-Mail: info@ing-goebel.ch
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BA.09		Elevation 4	
A-04 Ansicht Nord			
Scale	Sheet	Date	Draftman / Architect
1:50	420*297 A3	15. August 2017	Dipl.-Ing. Volker Goebel
Dateiname: Wakiso_Family_House_Building_Plans.pln			
Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln			

"Wakiso Family House" design for Wakiso District / 25.000 USD or 90.000.000 UGS in Uganda in East Africa

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cut
04-04



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BA.10

Cut 04-04

S-04 Schnitt A-A			
Scale	Sheet	Date	Draftman / Architect
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Dateiname: Wakiso_Family_House_Building_Plans.pln			
Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln			

"Wakiso Family House" design for Wakiso District / 25.000 USD or 90.000.000 UGS in Uganda in East Africa
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BA.11		Frontside Perspective																										
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Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln																												

Description of Wakiso District Family House by the architect Volker Goebel / Dipl.-Ing. / Brunnen / Switzerland / 15. August 2017 / Version 1.0.3

It is a good house because i gives living and sleeping space for 8 children and 2 care-taker-parents = very good capacity / very effective and useful

It is a good house because all the materials used are usual in Uganda : red clay stones, wood planks, sheet metal roofing and cement / concrete

It is a country house that comes with 20 x 20 meter land - you can rent it or you can rent/buy it with a contract from the Centenary Dev. Bank Ltd.

The roof is simple sheet metal roof under an angle of 5° - that is "much cheaper and more effective then the old but complex V-style saddle roof".

The wooden roof boxing on the outside makes it look much thicker then it is. Its "shows" a very solid appearance. The roof is very easy to repair.

The roof can be covered with local kikau leaves to give it a "traditional look" and that the rain can't play its music so loud on the sheet metal roof.

The rainwater gutters on the back collect 100 % of the rain water from the roof into a round tank - the big tank supplies water to the bathroom WC

Real solid doors and windows with perforated sheet metal blendings secure the house owners things and give the house owners a certain security

The high vertical window openings let air in constantly, they secure a certain privacy but the children can look out well and can even see the sky ...

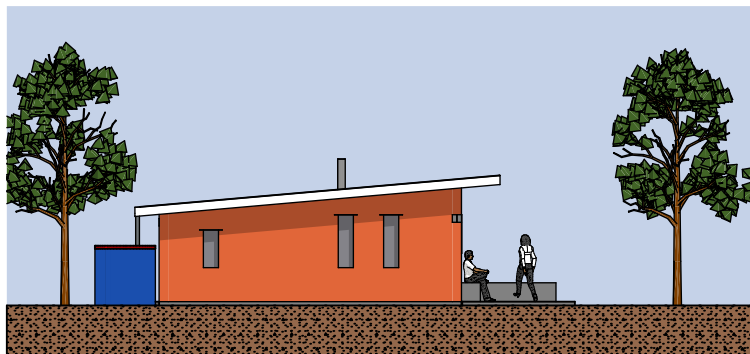
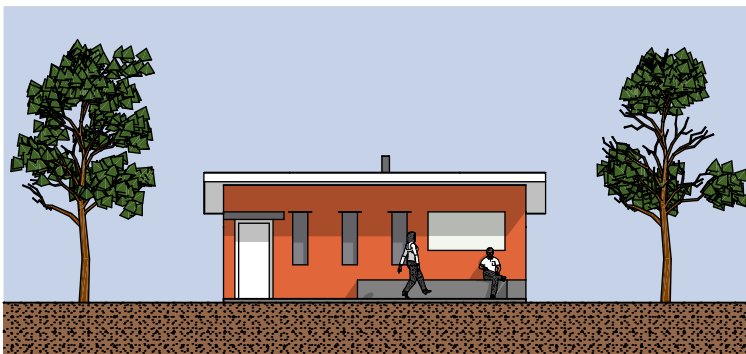
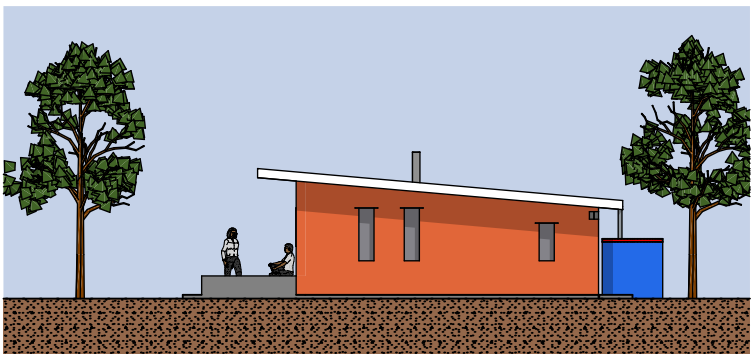
The brick walls from clay stones are so solid, that it is possible to put up a 2nd floor on top and access it by separate stairs (build inside or outside)

The sheet metal oven in the kitchen will improve local health situation very much. No more open fires and fumes. There is a fumes ventilation pipe.

The house contains a bath with a toilet, a shower and a sink for washing hands, face and hair - waste water and fresh water connection from site

This is the best and the cheapest **Family House** we can offer to the people in Wakiso District - it is the efficiency that counts - not the high roof ...

Best regards from Richard Mugasho, Volker Goebel, Jimmy Kasole, George Botyo - MGKB building company - Civil engineers, architects, builders



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BA.12

Description Family House

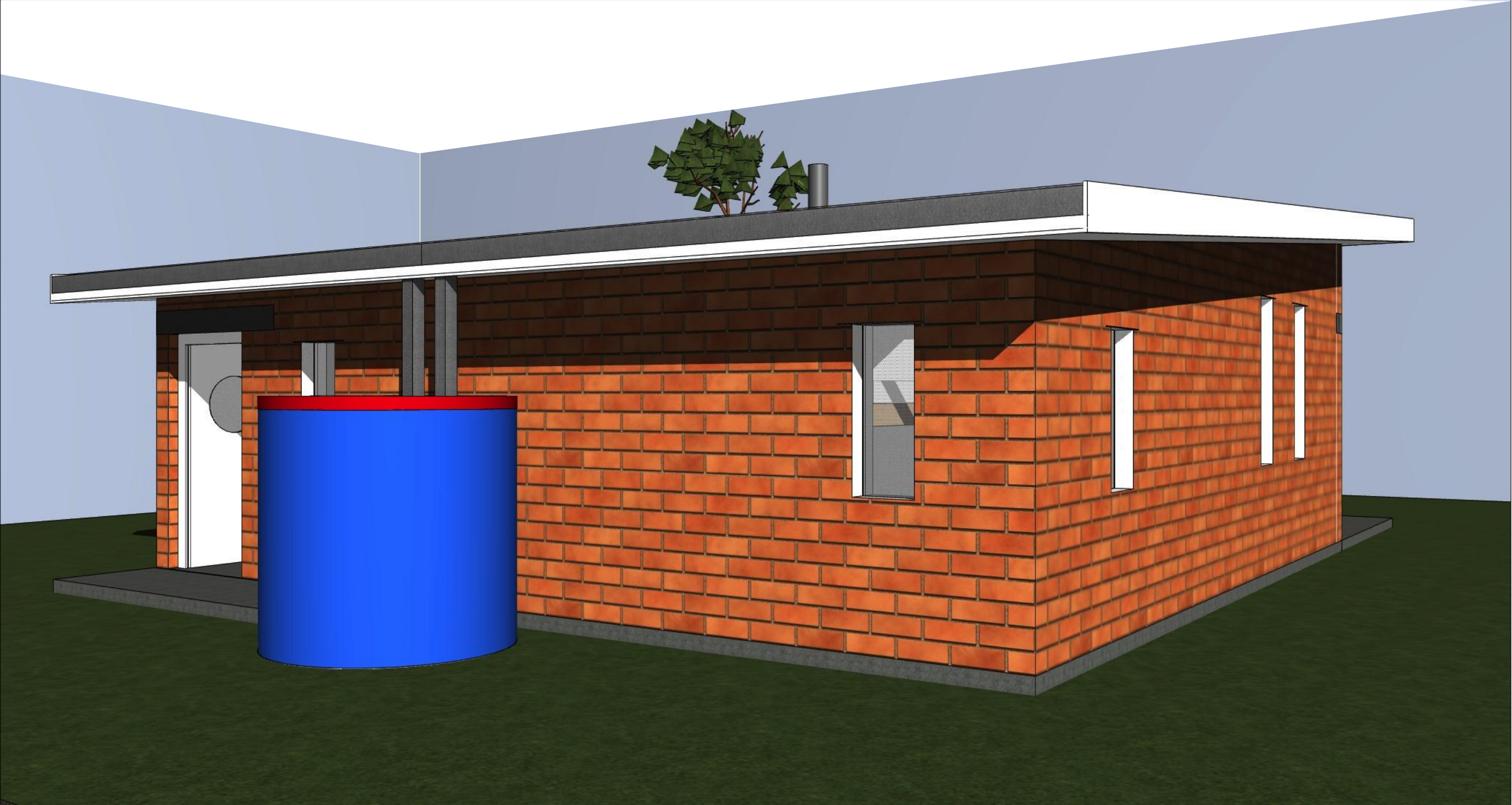
A-02, A-03, A-04 Ansicht Nord

Scale	Sheet	Date	Draftman / Architect
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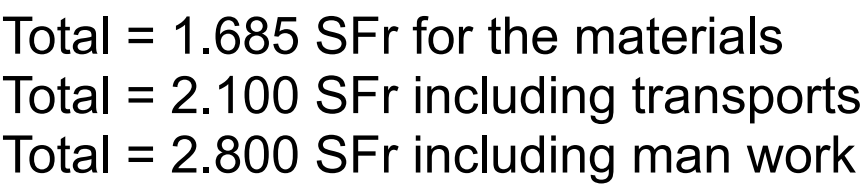
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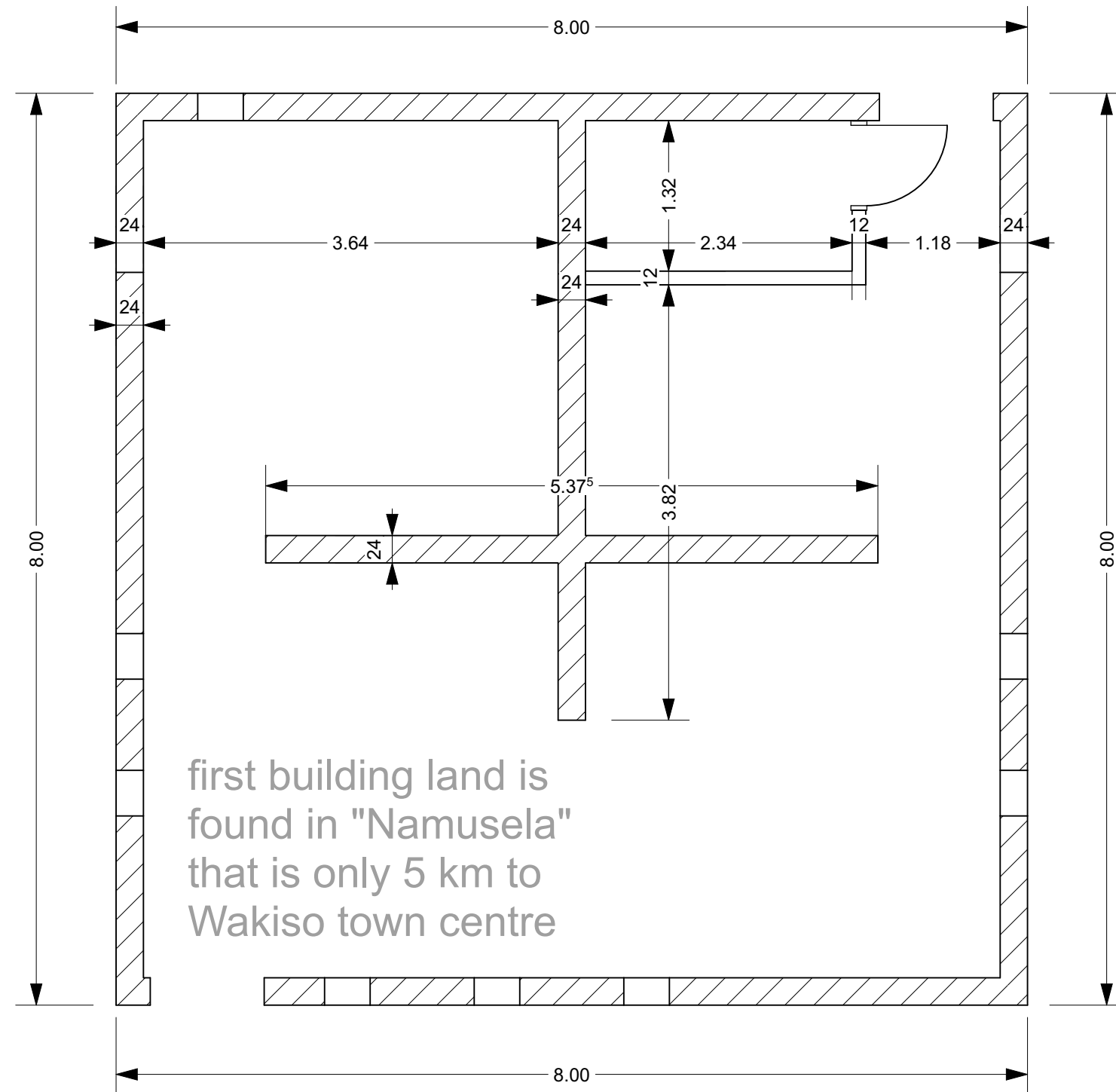
Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln

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								3 Kamera				Dateiname: Wakiso_Family_House_Building_Plans.pln Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln
								Scale	Sheet	Date	Draftman / Architect	
								1:1.82	420*297 A3	15. August 2017	Dipl.-Ing. Volker Goebel	





The clay brick walls (t = 24 cm)

$$7.8+7.8+7.8+7.8+5.4+5.3 = 41,9 \text{ m}$$

$$\text{Med. height} = (3,1 + 2,4) : 2 = 2,75 \text{ m}$$

$$41,9 \times 2,75 \times 0.24 = 28,15 \text{ m}^3 \text{ Volume}$$

$$\text{without windows \& doors} = 24.83 \text{ m}^3$$

$$\text{without mortar \& plaster} = 20.36 \text{ m}^3$$

$$\text{without horiz. mortar (:0,9)} = 18.32 \text{ m}^3$$

$$\text{brick is } 0.2 \times 0,1 \times 0,1 = 0.002 \text{ m}^3$$

$$18,32 \text{ m}^3 : 0,002 = 9.163 \text{ bricks} + \text{bath}$$

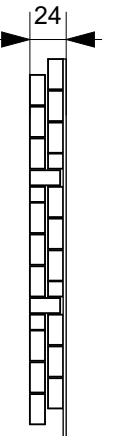
$$9.300 \times 320 \text{ UGX} = 2.976.000 \text{ UGX}$$

$$2.976.000 \text{ UGX} = 790 \text{ SFr}$$

plus transports, **plus mortar** onto site

$$= 1.200 \text{ SFr for the material only}$$

$$\text{Total} = 2.400 \text{ SFr for the full work}$$



Wakiso District Countryside HOUSE :

"Wakiso-Family-House" land 20 x 20 M.
8 Person Family House in the countryside

please also see " Rent/Buy contract " for
1 Family-House by two names signature

project funding cooperation by Centenary
Rural Development Bank Ltd / Wakiso / U.

MGKB building contractor COMPANY :

Richard Mugasho / Civil Engineer / 25 %
from Kampala / Tel: +256 7554 906 60

Jimmy Kasole / Urban Planner / 25 %
from Kiboga / Tel: +256 7581 982 00

George Botyo / Experienced Builder / 25 %
from Kampala / Tel: +256 7552 365 28

Volker Goebel / Dipl.-Ing., Architect / 25 %

MGKB
building contractors
affordable Houses
for the countryside

ARCHITECT :

Volker Goebel / Switzerland
Architect, Diploma-Engineer

Gersauerstr. 85 / 6440 Brunnen

Tel: +41 41 820 06 58
Mob: +41 79 424 61 48

E-Mail: info@ing-goebel.ch
Web: www.ing-goebel.ch

BA.15

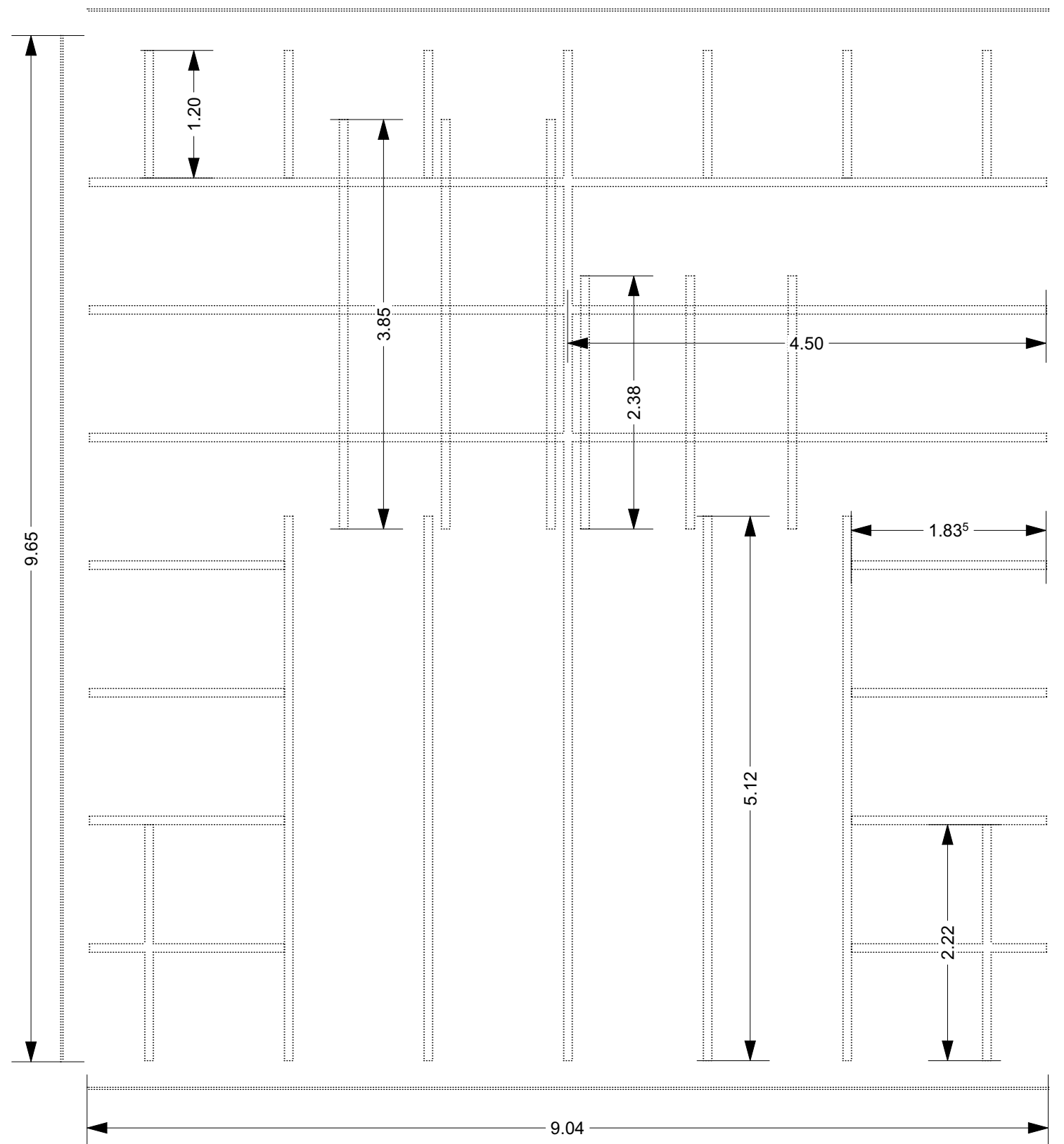
The 5 Brick Walls

0. EG (2)

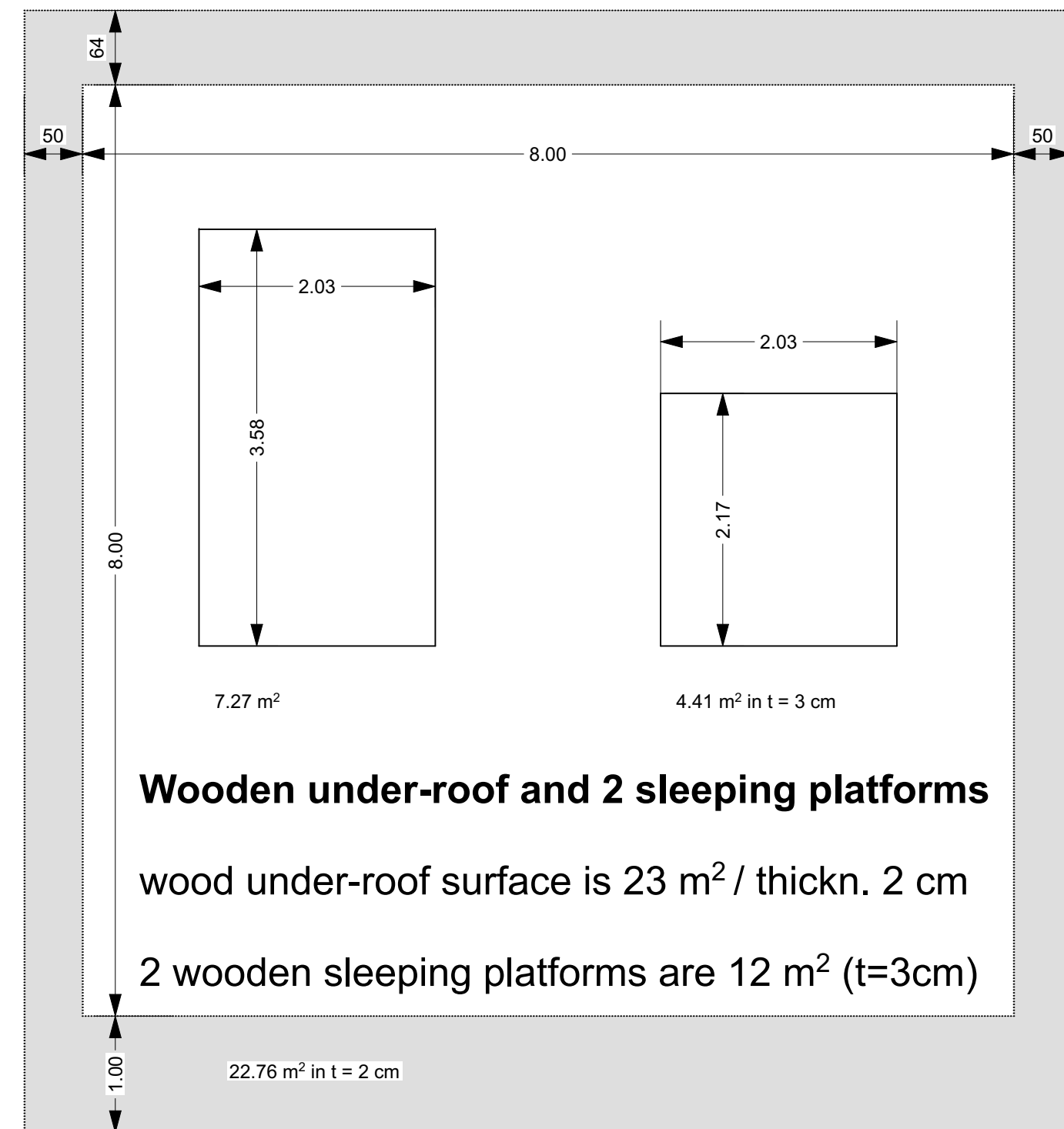
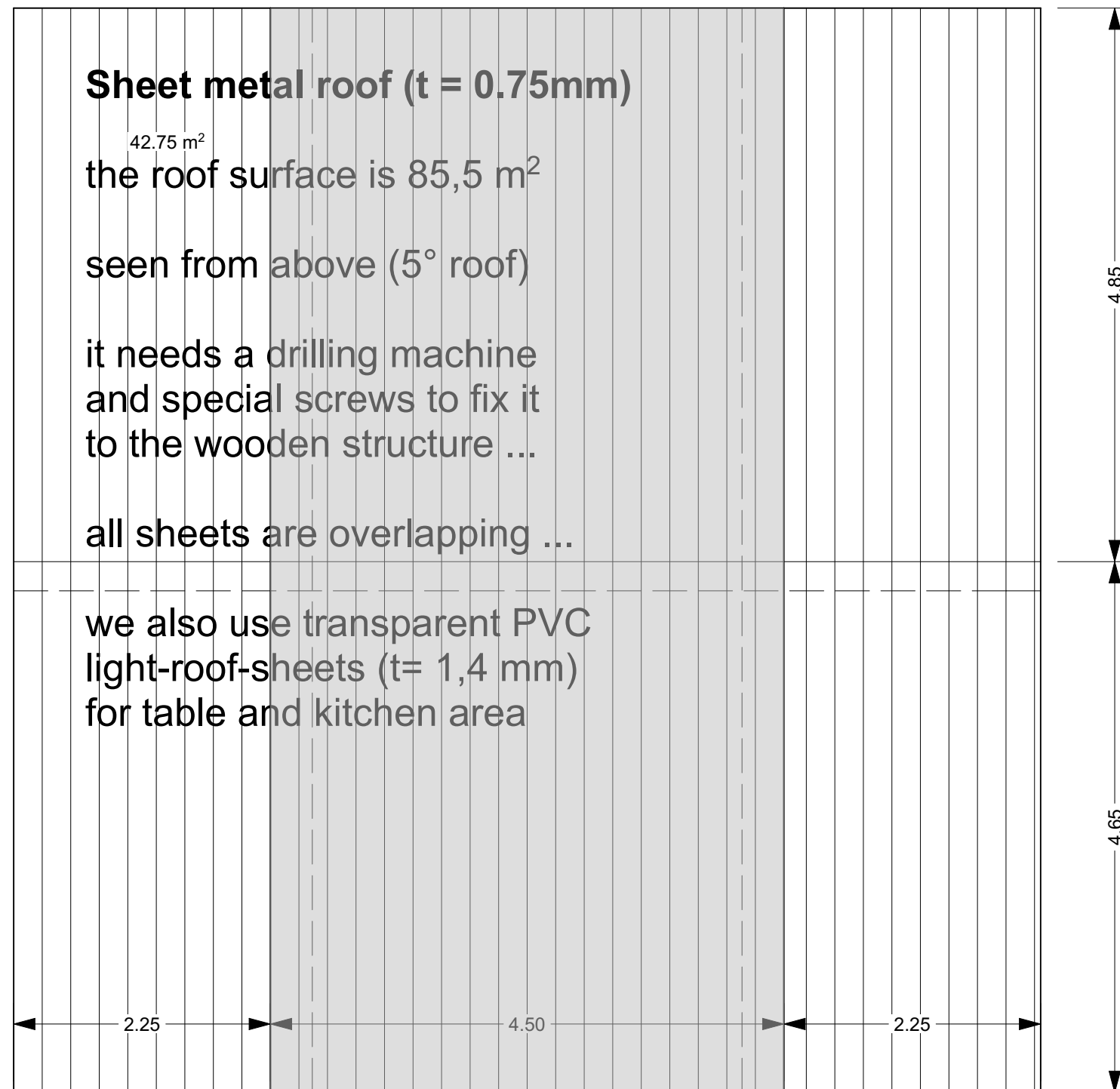
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Dateiname: Wakiso_Family_House_Building_Plans.pln

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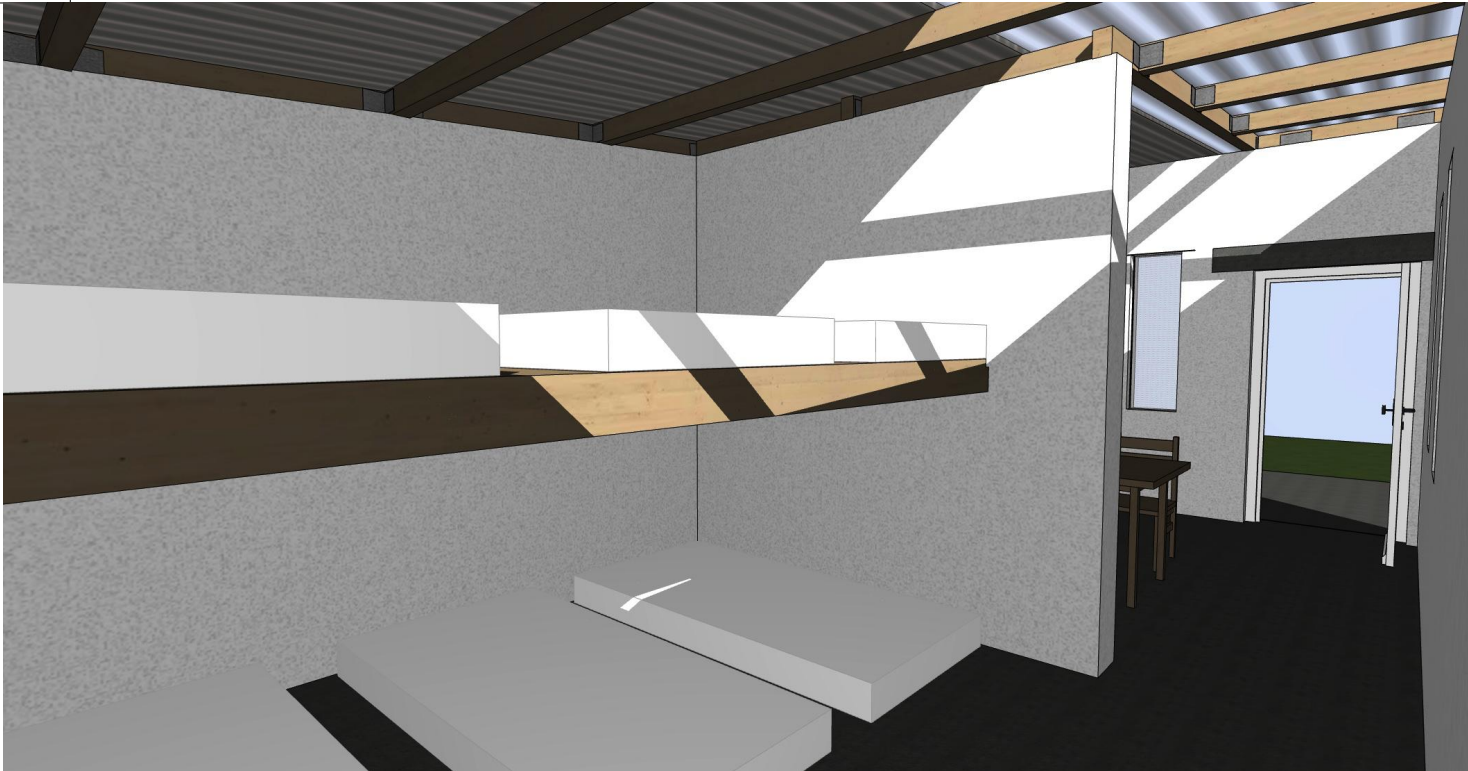
Wakiso District Countryside HOUSE :	MGKB building contractor COMPANY :	ARCHITECT :	BA.16	Roof building wood
" Wakiso-Family-House " land 20 x 20 M. 8 Person Family House in the countryside	Richard Mugasho / Civil Engineer / 25 % from Kampala / Tel: +256 7554 906 60 Jimmy Kasole / Urban Planner / 25 % from Kiboga / Tel: +256 7581 982 00 George Botyo / Experienced Builder / 25 % from Kampala / Tel: +256 7552 365 28 Volker Goebel / Dipl.-Ing., Architect / 25 %	 <p>MGKB building contractors</p> <p>affordable Houses for the countryside</p>	Gersauerstr. 85 / 6440 Brunnen	
please also see " Rent/Buy contract " for 1 Family-House by two names signature		Tel: +41 41 820 06 58 Mob: +41 79 424 61 48	0. EG (3)	
project funding cooperation by Centenary Rural Development Bank Ltd / Wakiso / U.		E-Mail: info@ing-goebel.ch Web: www.ing-goebel.ch	Scale	Draftman / Architect
			1:50	Dipl.-Ing. Volker Goebel
			Dateiname: Wakiso_Family_House_Building_Plans.pln	
			Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln	



100 m² = 1.466 SFr = 5.500.000 UGX
 including : transport to the remote site
 fixing material and the craftsmenswork

35 m² = 557 SFr = 2.100.000 UGX
 including : transport to the remote site
 fixing material and the craftsmenswork

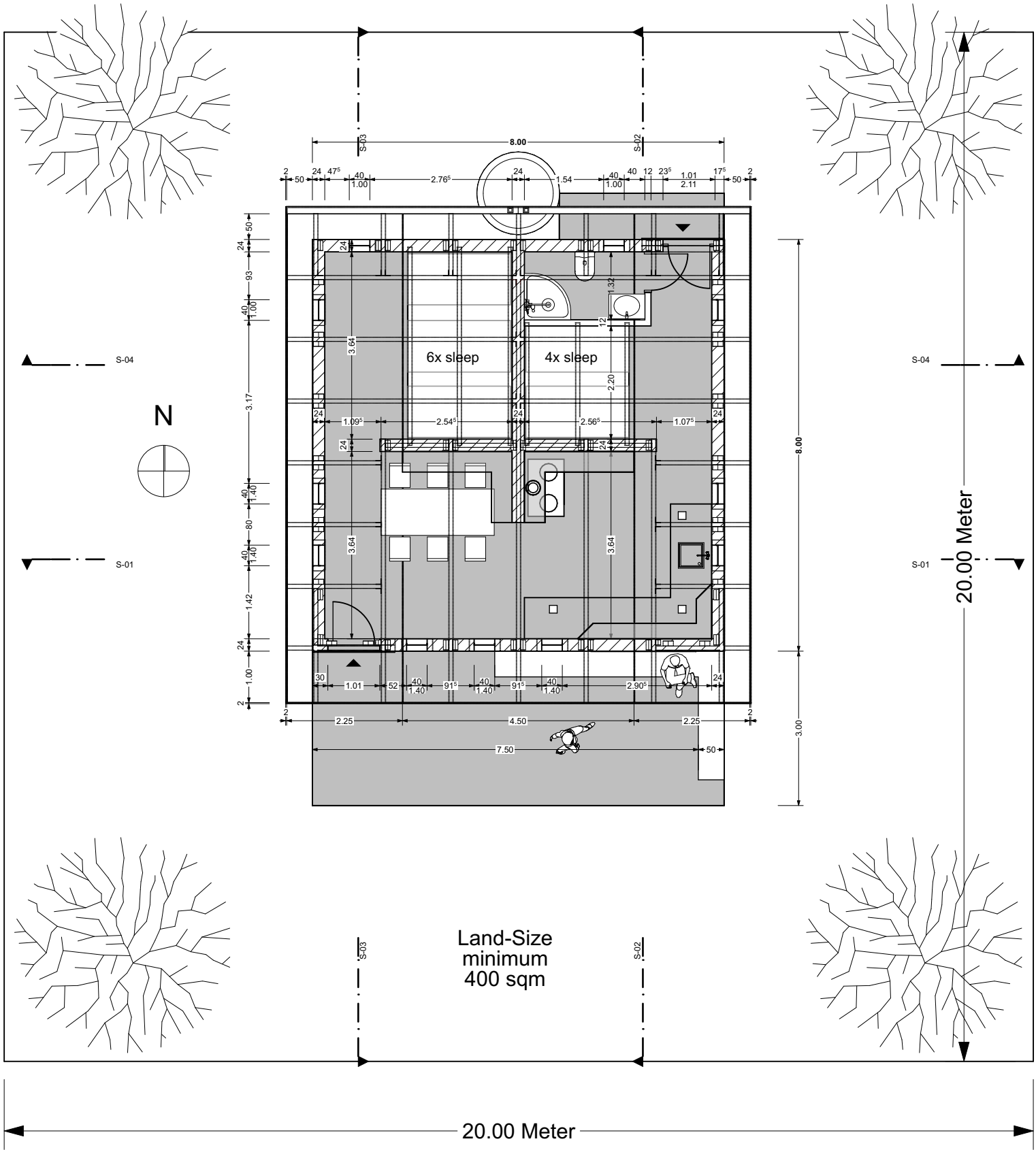
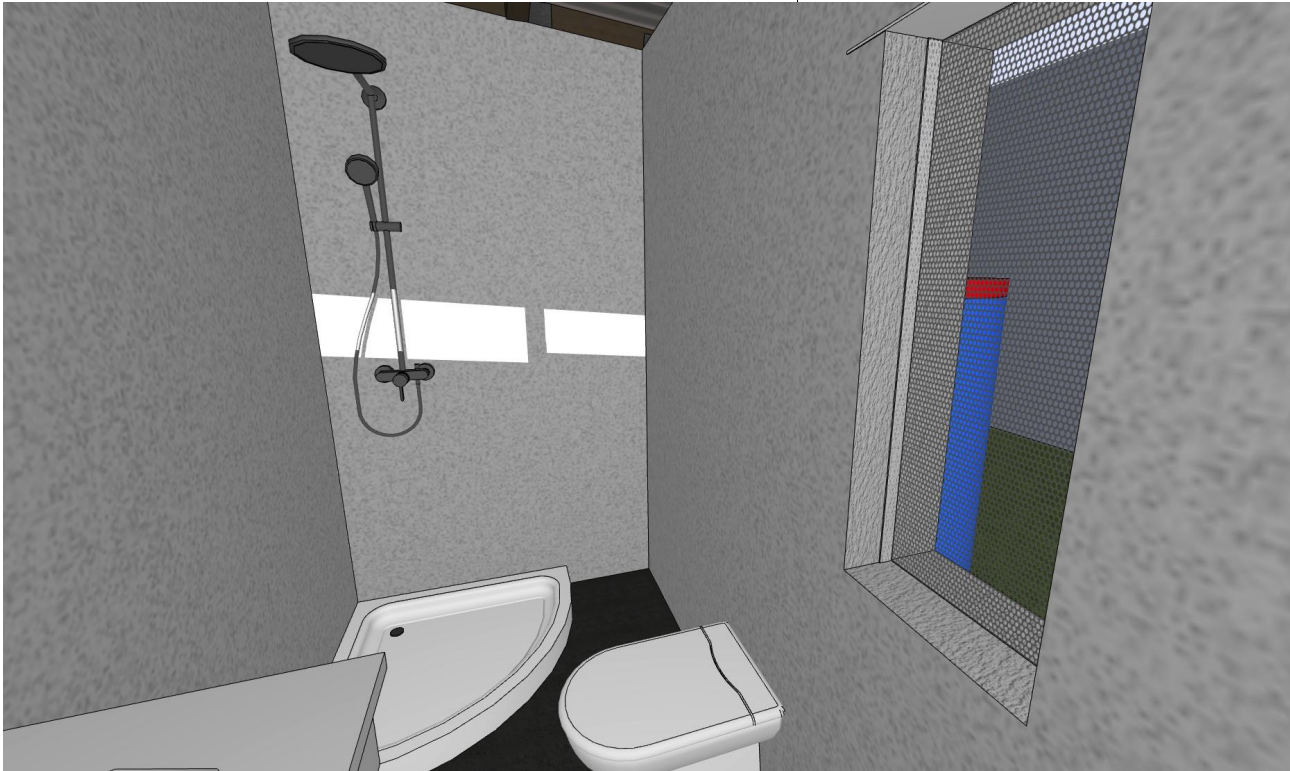
Wakiso District Countryside HOUSE :	MGKB building contractor COMPANY :	<div><div>MGKB</div><div>building contractors</div><div>affordable Houses</div><div>for the countryside</div></div>	ARCHITECT :	BA.17		Sheet Roof Material	
"Wakiso-Family-House" land 20 x 20 M. 8 Person Family House in the countryside	Richard Mugasho / Civil Engineer / 25 % from Kampala / Tel: +256 7554 906 60		Volker Goebel / Switzerland Architect, Diploma-Engineer	0. EG (4)			
please also see " Rent/Buy contract " for 1 Family-House by two names signature	Jimmy Kasole / Urban Planner / 25 % from Kiboga / Tel: +256 7581 982 00		Gersauerstr. 85 / 6440 Brunnen	Scale	Sheet	Date	Draftman / Architect
project funding cooperation by Centenary Rural Development Bank Ltd / Wakiso / U.	George Botyo / Experienced Builder / 25 % from Kampala / Tel: +256 7552 365 28		Tel: +41 41 820 06 58 Mob: +41 79 424 61 48	1:50	420*297 A3	15. August 2017	Dipl.-Ing. Volker Goebel
	Volker Goebel / Dipl.-Ing., Architect / 25 %		E-Mail: info@ing-goebel.ch Web: www.ing-goebel.ch	Dateiname: Wakiso_Family_House_Building_Plans.pln			
			Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln				



first building land for Family House is found in "Namusela" that is only 5 km to Wakiso town centre - sales start



Wakiso District Countryside HOUSE : "Wakiso-Family-House" land 20 x 20 M. 8 Person Family House in the countryside please also see " Rent/Buy contract " for 1 Family-House by two names signature project funding cooperation by Centenary Rural Development Bank Ltd / Wakiso / U.	MGKB building contractor COMPANY : Richard Mugasho / Civil Engineer / 25 % from Kampala / Tel: +256 7554 906 60 Jimmy Kasole / Urban Planner / 25 % from Kiboga / Tel: +256 7581 982 00 George Botyo / Experienced Builder / 25 % from Kampala / Tel: +256 7552 365 28 Volker Goebel / Dipl.-Ing., Architect / 25 %	<div>MGKB</div> <div>building contractors</div> <div>affordable Houses</div> <div>for the countryside</div>	ARCHITECT : Volker Goebel / Switzerland Architect, Diploma-Engineer Gersauerstr. 85 / 6440 Brunnen Tel: +41 41 820 06 58 Mob: +41 79 424 61 48 E-Mail: info@ing-goebel.ch Web: www.ing-goebel.ch	<div>BA.18</div> <div>Eating and Kitchen</div> <div>5, 6, 7, 8 Kamera</div> <table><tr><td>Scale</td><td>Sheet</td><td>Date</td><td>Draftman / Architect</td></tr><tr><td>1:3.85</td><td>420*297 A3</td><td>15. August 2017</td><td>Dipl.-Ing. Volker Goebel</td></tr></table> <div>Dateiname: Wakiso_Family_House_Building_Plans.pln</div> <div>Pfad: /Users/goebelvolker/Desktop/Wakiso_Family_House/Wakiso_Family_House_Building_Plans.pln</div>	Scale	Sheet	Date	Draftman / Architect	1:3.85	420*297 A3	15. August 2017	Dipl.-Ing. Volker Goebel
Scale	Sheet	Date	Draftman / Architect									
1:3.85	420*297 A3	15. August 2017	Dipl.-Ing. Volker Goebel									



Wakiso District Countryside HOUSE :		MGKB building contractor COMPANY :		ARCHITECT :		BA.19		Bath and Land-Size	
"Wakiso-Family-House" land 20 x 20 M. 8 Person Family House in the countryside		Richard Mugasho / Civil Engineer / 25 % from Kampala / Tel: +256 7554 906 60		Volker Goebel / Switzerland Architect, Diploma-Engineer		11, 12, 0. Kamera, EG (6)			
please also see " Rent/Buy contract " for 1 Family-House by two names signature		Jimmy Kasole / Urban Planner / 25 % from Kiboga / Tel: +256 7581 982 00		Gersauerstr. 85 / 6440 Brunnen		Scale	Sheet	Date	Draftman / Architect
project funding cooperation by Centenary Rural Development Bank Ltd / Wakiso / U.		George Botyo / Experienced Builder / 25 % from Kampala / Tel: +256 7552 365 28		Tel: +41 41 820 06 58 Mob: +41 79 424 61 48		1:3.85, 1:100	420*297 A3	15. August 2017	Dipl.-Ing. Volker Goebel
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						Pfad: /Users/goebelvolker/Desktop/Wakiso_House/Wakiso_Family_House_Building_Plans.pln			

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