

SZ.01 External wall	
2.0	Extremal finish - natural lime and clay plaster with an admixture of cement
2.0	Reinforcement - OSB / bamboo mat
10.0	Construction layer - Bamboo grate filled with mineral wool/hemp fiber wool
0.01	Vapor barrier - Foil insulation
2.0	Air void
2.0	Reinforcement - OSB / bamboo mat
0.02	Interior finish - natural lime and clay plaster

SW.01 Internal wall	
1.0	Interior finish - natural lime and clay plaster
2.0	Reinforcement - OSB / bamboo mat
10.0	Construction layer - Bamboo grate filled with mineral wool/hemp fiber wool
2.0	Reinforcement - OSB / bamboo mat
1.0	Interior finish - natural lime and clay plaster

- C On the side of Cooling Area - an additional 5 cm layer of mineral wool
- F On the side of Technical area - additional 2x fireproof boards instead of OSB / bamboo mat
- W On the side of rooms exposed to moisture - additional 2x moisture resistant boards instead of OSB / bamboo mat

P.01 Floor	
0.5	Finish layer - natural terracotta flooring tiles (20x10cm)
5.0	Leveling layer - leveled and sealed poured adobe floor with an admixture of cement
0.02	Vapor barrier - Foil insulation
20.0	Base layer - adobe floor base
20.0	Insulating material - pumice or perlite

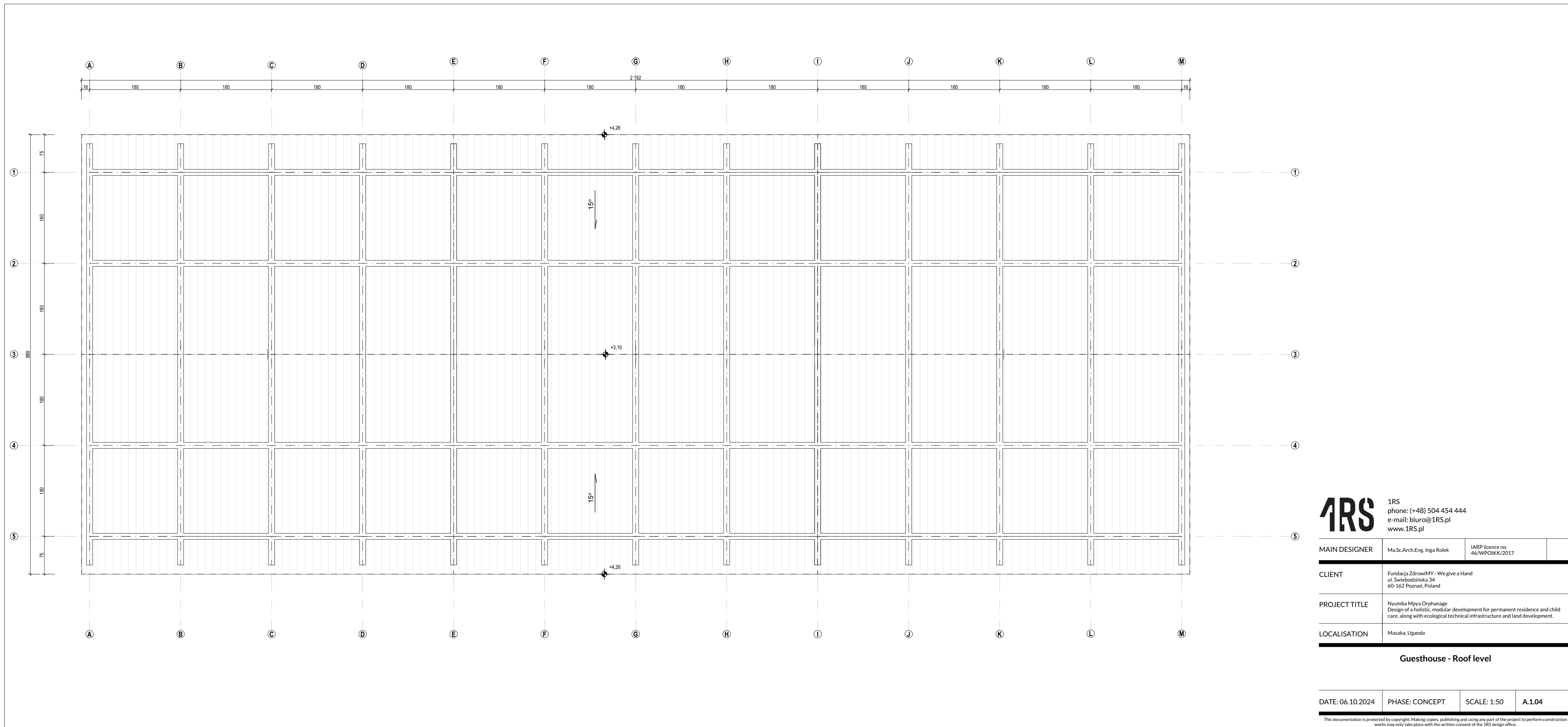
**1RS**  
 1RS  
 phone: (+48) 504 454 444  
 e-mail: biuro@1RS.pl  
 www.1RS.pl

MAIN DESIGNER	Ma.Sc.Arch.Eng. Inga Rolek	IARP licence no. 46/WPOIKK/2017
CLIENT	Fundacja ZdrowiMY - We give a Hand ul. Świebodzińska 34 60-162 Poznań, Poland	
PROJECT TITLE	Nyumba Mpya Orphanage Design of a holistic, modular development for permanent residence and child care, along with ecological technical infrastructure and land development.	
LOCALISATION	Masaka, Uganda	

**Guesthouse - Ground level**

DATE: 06.10.2024	PHASE: CONCEPT	SCALE: 1:50	A.1.02
------------------	----------------	-------------	--------

This documentation is protected by copyright. Making copies, publishing and using any part of the project to perform construction works may only take place with the written consent of the 1RS design office.



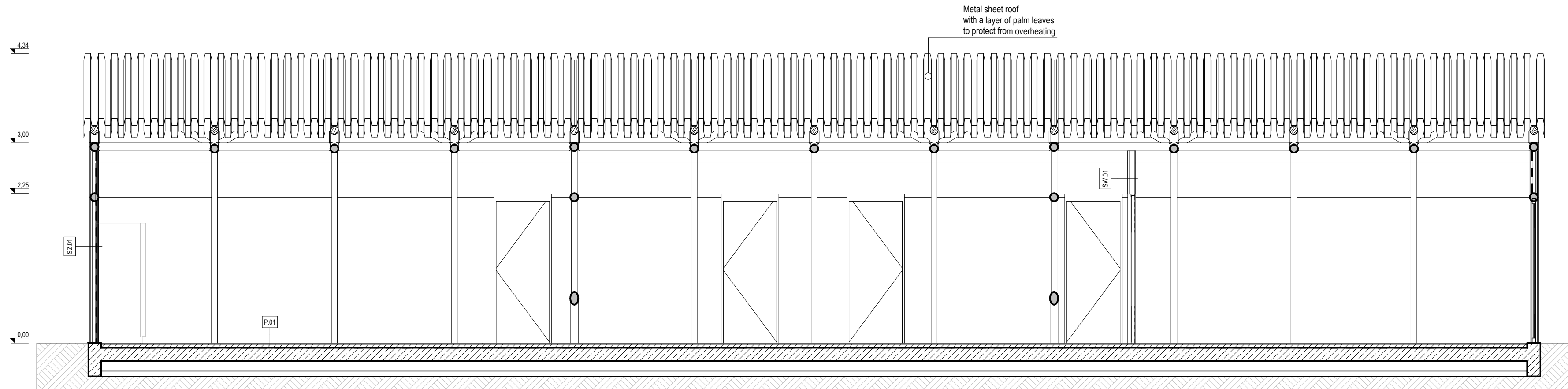
**1RS**  
 1RS  
 phone: (+48) 504 454 444  
 e-mail: biuro@1RS.pl  
 www.1RS.pl

MAIN DESIGNER	Ma.Sc.Arch.Eng. Inga Rolek	IARP licence no. 46/WPOIKK/2017
CLIENT	Fundacja ZdrowiMY - We give a Hand ul. Świebodzińska 34 60-162 Poznań, Poland	
PROJECT TITLE	Nyumba Mpya Orphanage Design of a holistic, modular development for permanent residence and child care, along with ecological technical infrastructure and land development.	
LOCALISATION	Masaka, Uganda	

**Guesthouse - Roof level**

DATE: 06.10.2024	PHASE: CONCEPT	SCALE: 1:50	<b>A.1.04</b>
------------------	----------------	-------------	---------------

This documentation is protected by copyright. Making copies, publishing and using any part of the project to perform construction works may only take place with the written consent of the 1RS design office.



SZ.01 External wall	
2.0	Extremal finish - natural lime and clay plaster with an admixture of cement
2.0	Reinforcement - OSB / bamboo mat
10.0	Construction layer - Bamboo grate filled with mineral wool/hemp fiber wool
0.01	Vapor barrier - Foil insulation
2.0	Air void
2.0	Reinforcement - OSB / bamboo mat
0.02	Interior finish - natural lime and clay plaster

SW.01 Internal wall	
1.0	Interior finish - natural lime and clay plaster
2.0	Reinforcement - OSB / bamboo mat
10.0	Construction layer - Bamboo grate filled with mineral wool/hemp fiber wool
2.0	Reinforcement - OSB / bamboo mat
1.0	Interior finish - natural lime and clay plaster

- C On the side of Cooling Area - an additional 5 cm layer of mineral wool
- F On the side of Technical area - additional 2x fireproof boards instead of OSB / bamboo mat
- W On the side of rooms exposed to moisture - additional 2x moisture resistant boards instead of OSB / bamboo mat

P.01 Floor	
0.5	Finish layer - natural terracotta flooring tiles (20x10cm)
5.0	Leveling layer - leveled and sealed poured adobe floor with an admixture of cement
0.02	Vapor barrier - Foil insulation
20.0	Base layer - adobe floor base
20.0	Insulating material - pumice or perlite

**1RS**

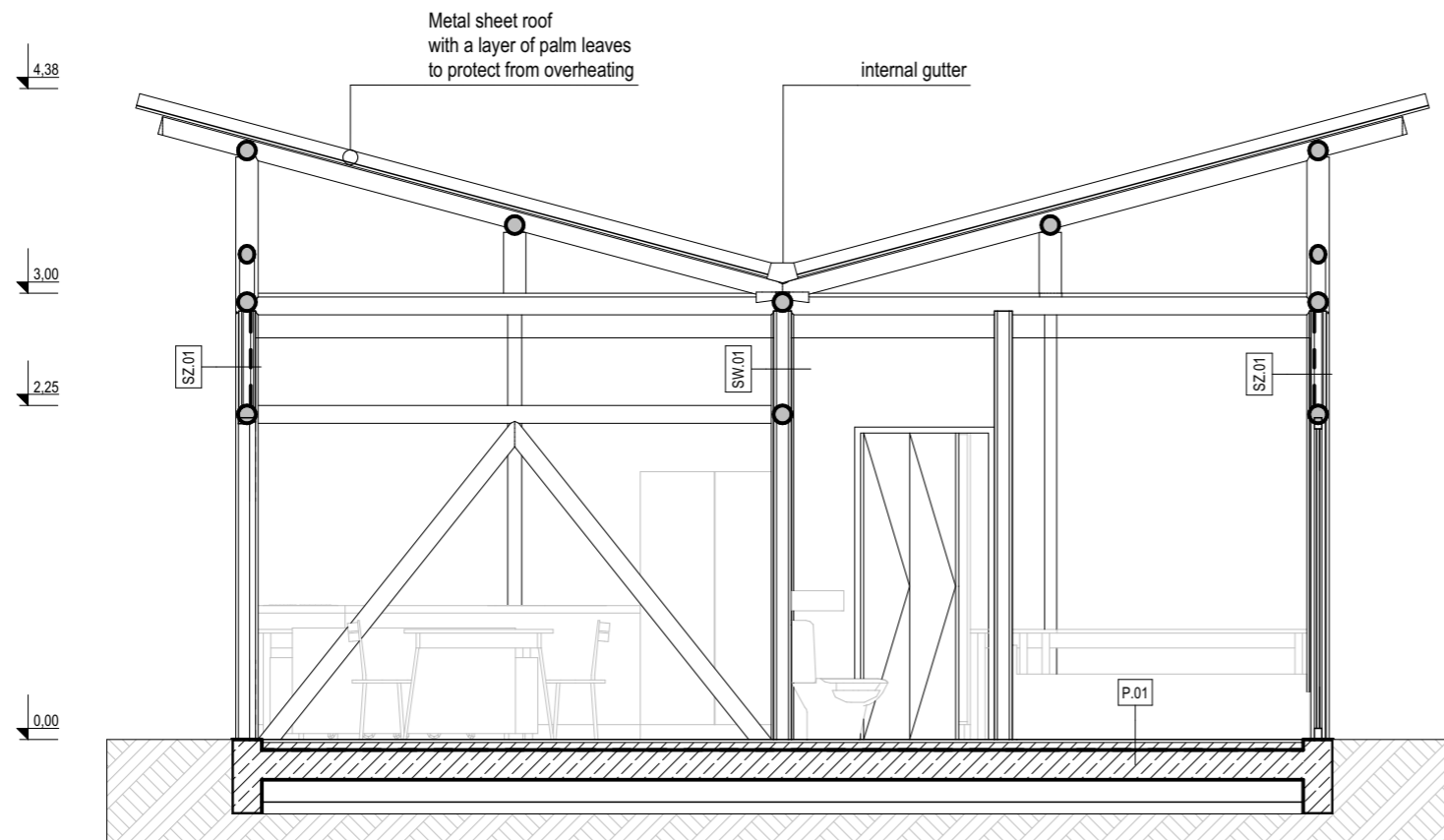
1RS  
phone: (+48) 504 454 444  
e-mail: biuro@1RS.pl  
www.1RS.pl

MAIN DESIGNER	Ma.Sc.Arch.Eng. Inga Rolek	IARP licence no. 46/WPOIKK/2017
CLIENT	Fundacja ZdrowiMY - We give a Hand ul. Swiebodzińska 34 60-162 Poznań, Poland	
PROJECT TITLE	Nyumba Mpya Orphanage Design of a holistic, modular development for permanent residence and child care, along with ecological technical infrastructure and land development.	
LOCALISATION	Masaka, Uganda	

**Guesthouse - Section A-A**

DATE: 06.10.2024	PHASE: CONCEPT	SCALE: 1:50	A.2.01
------------------	----------------	-------------	--------

This documentation is protected by copyright. Making copies, publishing and using any part of the project to perform construction works may only take place with the written consent of the 1RS design office.



SZ.01 External wall	
2,0	External finish - natural lime and clay plaster with an admixture of cement
2,0	Reinforcement - OSB / bamboo mat
10,0	Construction layer - Bamboo grate filled with mineral wool/hemp fiber wool
0,01	Vapor barrier - Foil insulation
2,0	Air void
2,0	Reinforcement - OSB / bamboo mat
0,02	Interior finish - natural lime and clay plaster

SW.01 Internal wall	
1,0	Interior finish - natural lime and clay plaster
2,0	Reinforcement - OSB / bamboo mat
10,0	Construction layer - Bamboo grate filled with mineral wool/hemp fiber wool
2,0	Reinforcement - OSB / bamboo mat
1,0	Interior finish - natural lime and clay plaster

- C On the side of Cooling Area - an additional 5 cm layer of mineral wool
- F On the side of Technical area - additional 2x fireproof boards instead of OSB / bamboo mat
- W On the side of rooms exposed to moisture - additional 2x moisture resistant boards instead of OSB / bamboo mat

P.01 Floor	
0,5	Finish layer - natural terracotta flooring tiles (20x10cm)
5,0	Leveling layer - leveled and sealed poured adobe floor with an admixture of cement
0,02	Vapor barrier - Foil insulation
20,0	Base layer - adobe floor base
20,0	Insulating material - pumice or perlite

# 1RS

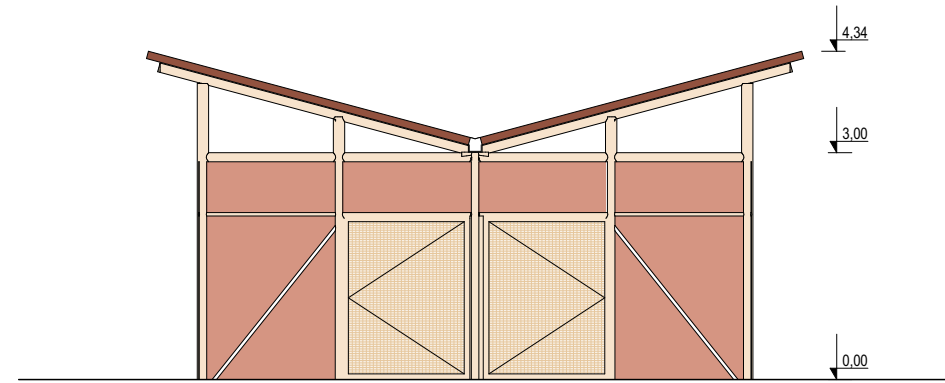
1RS  
 phone: (+48) 504 454 444  
 e-mail: biuro@1RS.pl  
 www.1RS.pl

MAIN DESIGNER	Ma.Sc.Arch.Eng. Inga Rolek	IARP licence no. 46/WPOIKK/2017
CLIENT	Fundacja ZdrowiMY - We give a Hand ul. Świebodzińska 34 60-162 Poznań, Poland	
PROJECT TITLE	Nyumba Mpya Orphanage Design of a holistic, modular development for permanent residence and child care, along with ecological technical infrastructure and land development.	
LOCALISATION	Masaka, Uganda	

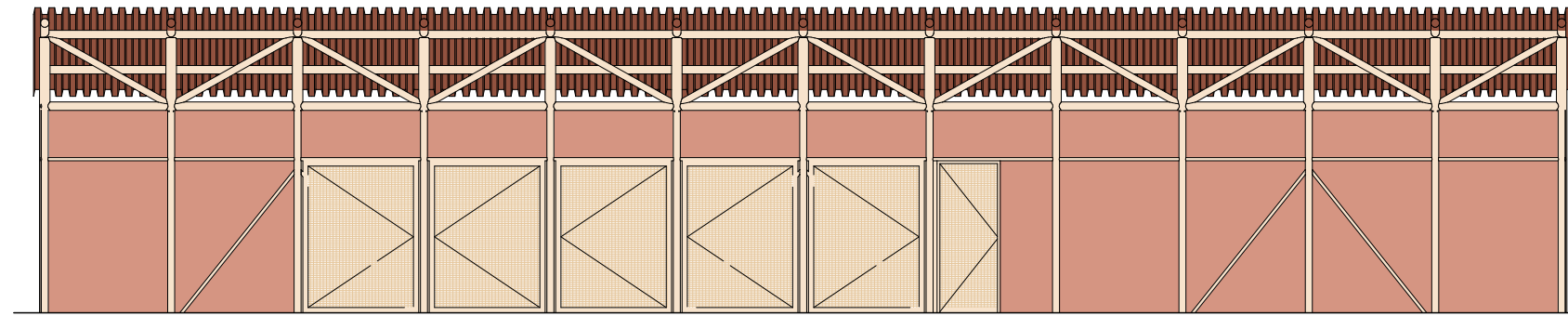
### Guesthouse - Section B-B

DATE: 06.10.2024	PHASE: CONCEPT	SCALE: 1:50	A.2.02
------------------	----------------	-------------	--------

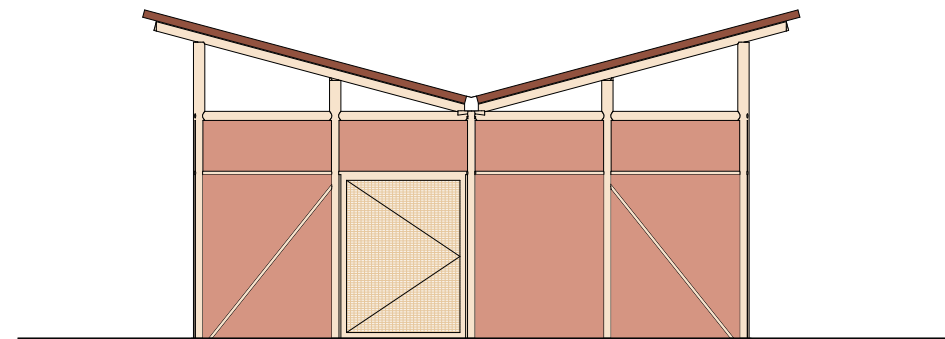
EAST (FRONT) ELEVATION



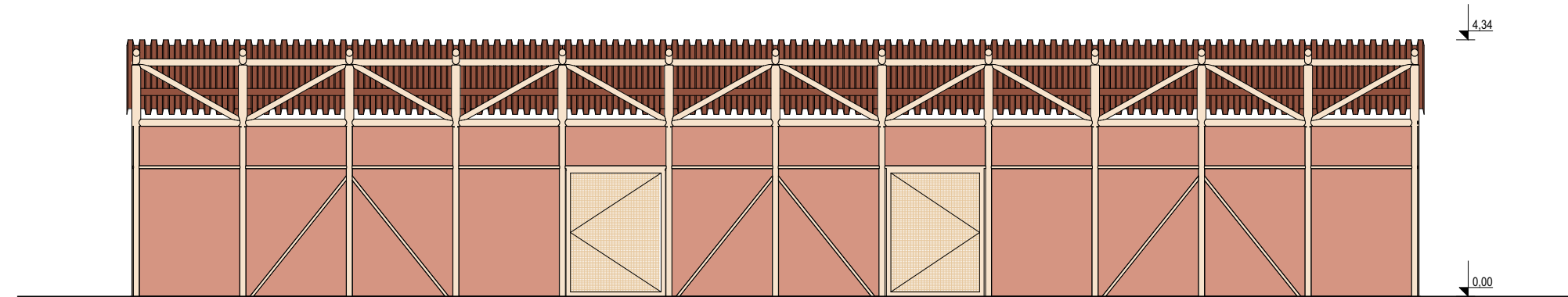
SOUTH ELEVATION



WEST ELEVATION



NORTH ELEVATION



LEGEND

- Lime-sand plaster colored in a terracotta shade with natural clay
- Natural bamboo profiles, impregnated
- Galvanized steel trapezoidal sheet, protected against overheating by mechanical assembly from the top of palm leaves
- Window and door filling made of rattan mesh, additionally protected with a mosquito net

**1RS**  
 1RS  
 phone: (+48) 504 454 444  
 e-mail: biuro@1RS.pl  
 www.1RS.pl

MAIN DESIGNER	Ma.Sc.Arch.Eng. Inga Rolek	IARP licence no. 46/WPOIKK/2017
CLIENT	Fundacja ZdrowiMY - We give a Hand ul. Swiebodzińska 34 60-162 Poznań, Poland	
PROJECT TITLE	Nyumba Mpya Orphanage Design of a holistic, modular development for permanent residence and child care, along with ecological technical infrastructure and land development.	
LOCALISATION	Masaka, Uganda	

Guesthouse - Elevations

DATE: 06.10.2024	PHASE: CONCEPT	SCALE: 1:100	A.3.01
------------------	----------------	--------------	--------