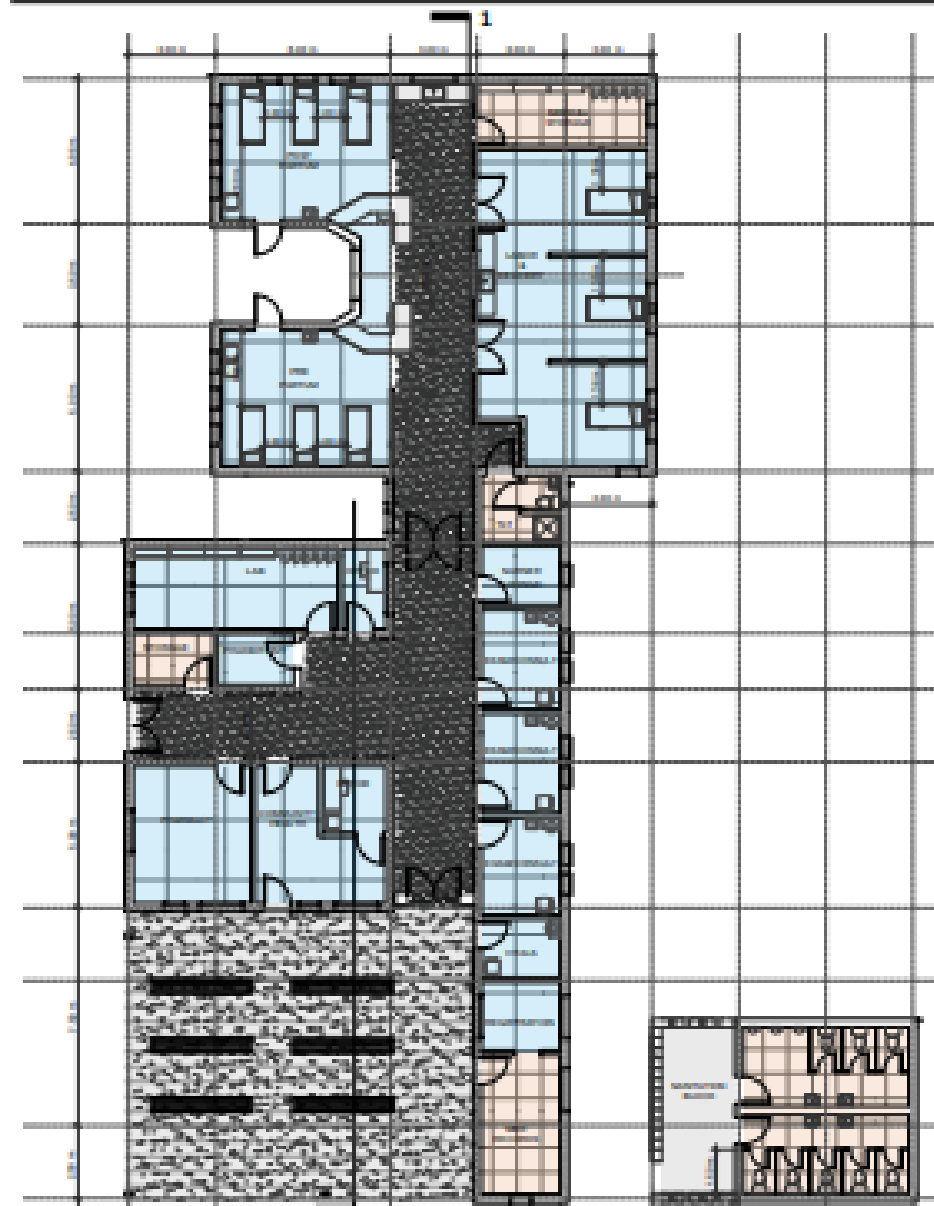


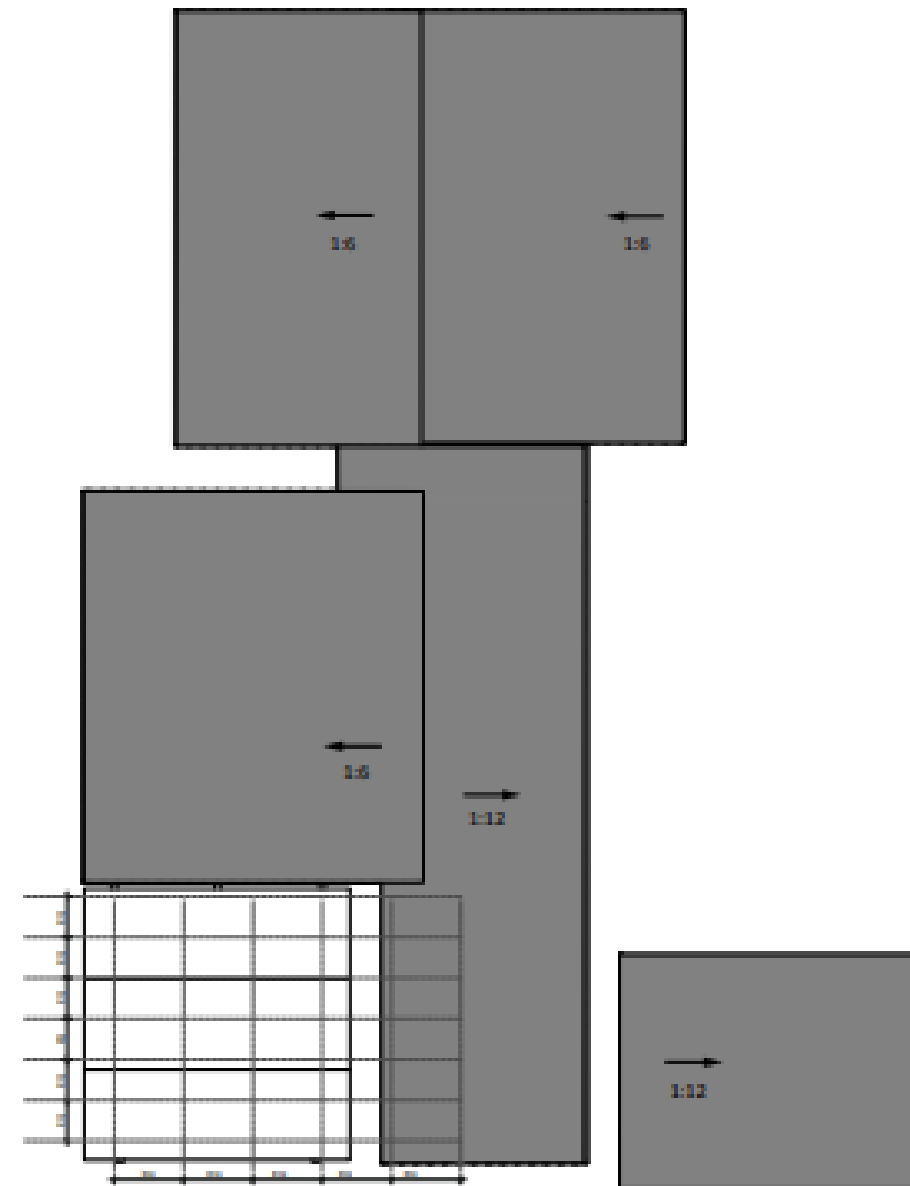
DESIGN PROTOTYPE



Typical Ground Floor Plan 1:200

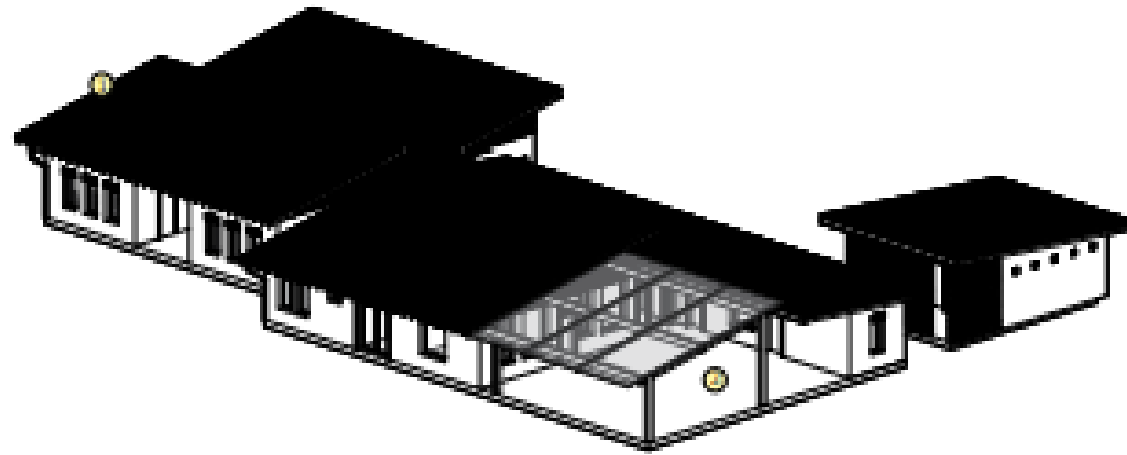
AREA SCHEDULE		
POST-PARTUM	26.03 m ²	280.18 ft ²
PRE-PARTUM	26.28 m ²	282.88 ft ²
LABOR & DELIVERY	59.56 m ²	641.10 ft ²
LAB	19.53 m ²	210.22 ft ²
PHLEBOTOMY	4.53 m ²	48.76 ft ²
OFFICE	4.17 m ²	44.89 ft ²
NURSES' LOUNGE	9.53 m ²	99.52 ft ²
EXAM ROOM 1	9.17 m ²	98.71 ft ²
EXAM ROOM 2	9.18 m ²	98.81 ft ²
EXAM ROOM 3	9.01 m ²	96.10 ft ²
VITALS	5.4 m ²	58.13 ft ²
REGISTRATION	6.12 m ²	66.03 ft ²
PHARMACY	18.99 m ²	204.41 ft ²
COMMUNITY HEALTH OFFICE	15.4 m ²	165.76 ft ²
OFFICE	4.89 m ²	52.64 ft ²
MEDICAL STORAGE	12.54 m ²	134.98 ft ²
STAFF TOILET	6.11 m ²	65.77 ft ²
STORAGE	4.82 m ²	51.88 ft ²
MEDICAL RECORDS	12.87 m ²	138.53 ft ²
TOTAL	446.31 m²	4,804.04 ft²

KEY	
HOSPITAL PROGRAM	
SERVICE PROGRAM	
HOSPITAL PROGRAM TILE	
SERVICE PROGRAM TILE	
POLISHED CONCRETE	

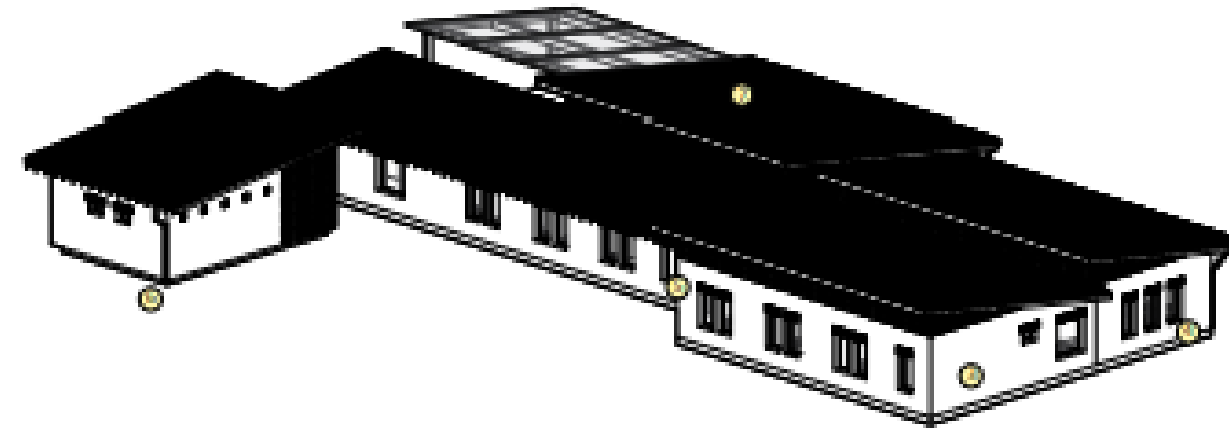


Typical Roof Plan 1:200

ROOF OPTION A



- 1 Roof Construction
Aluminum IBSI roof sheeting supported by exposed, pitched steel beams
- 2 Entry
Translucent Polygal sheet for roofing over entry



- 3 Wall Construction
Thick masonry walls with stabilized earth to increase thermal control
- 4 Windows
Windows set on the interior of the masonry walls to increase passive shading strategies

- 5 Brick Pattern
Perforated sections of wall allow for cross ventilation
- 6 Water Collection
Gutters line low points of the pitched roofs, directing water to a collection system
- 7 Solar Collection
Option to place solar panels on pitched roofs

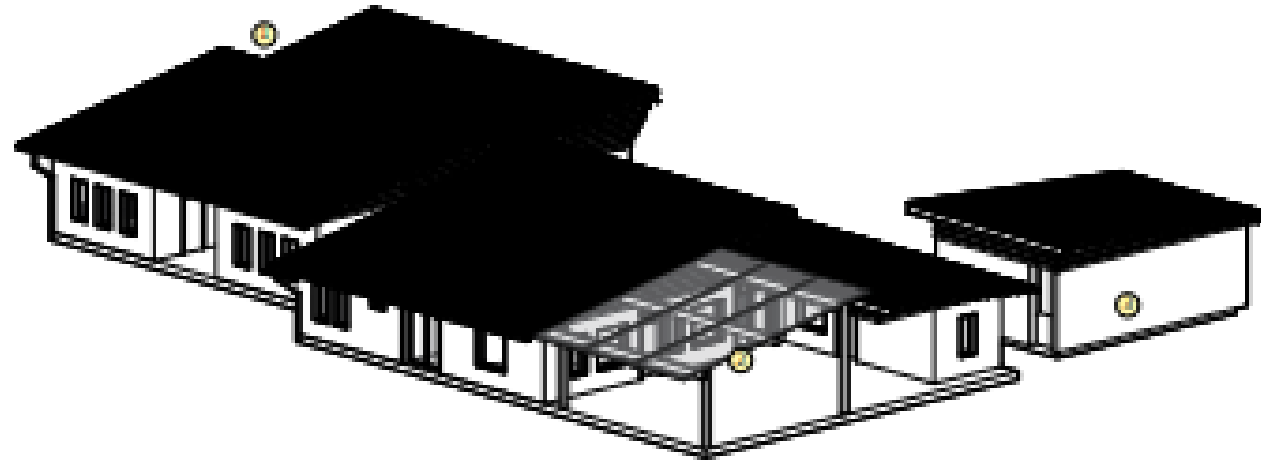


Student Dormitory in Kampala, Uganda
(Terrain Architects / 2015)

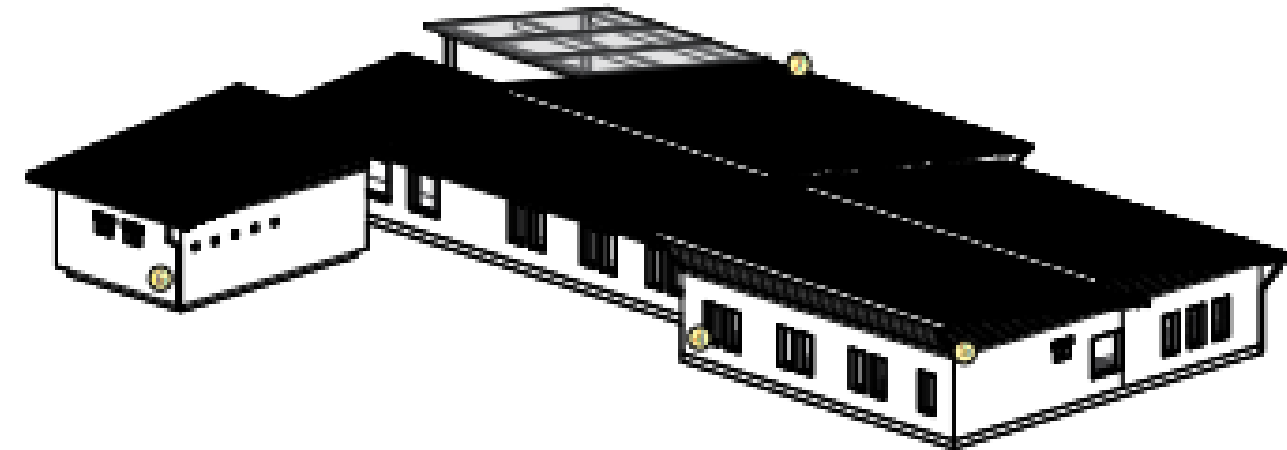


Multipurpose Centre in Uganda
(Michele Versi, Francesca Toffi / 2014)

ROOF OPTION B



- 1 **Roof Construction**
Aluminum IFR roof sheeting supported by steel trusses
- 2 **Entry**
Translucent Polygal sheet for roofing over entry



- 3 **Wall Construction**
Thick masonry walls with stabilized earth to increase thermal control
- 4 **Windows**
Windows set on the interior of the masonry walls to increase passive shading strategies

- 5 **Louvers**
Louvers cover the structural steel trusses in the roof allowing for cross ventilation
- 6 **Water Collection**
Gutters line low points of the pitched roofs, directing water to a collection system
- 7 **Solar Collection**
Option to place solar panels on pitched roofs



Ludwig Pavillon Tuberculosis Hospital in Port-au-Prince, Haiti
(MASS Design Group / 2015)

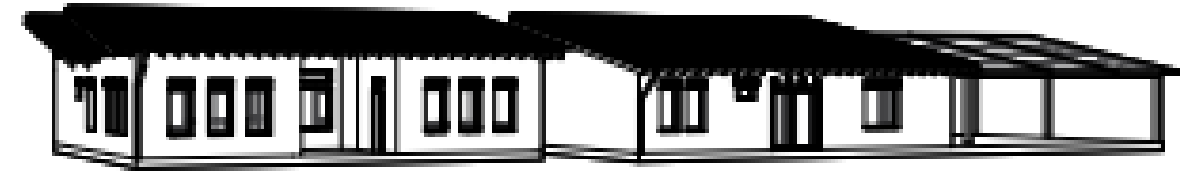


PROPOSED PROTOTYPE

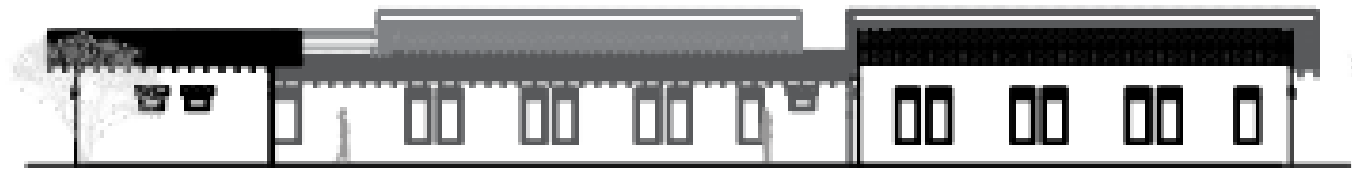
ROOF OPTION A



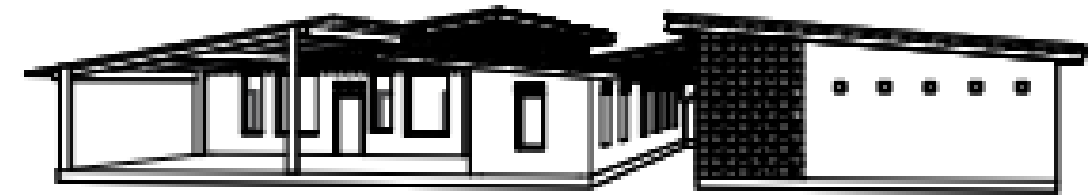
South Elevation 1:200



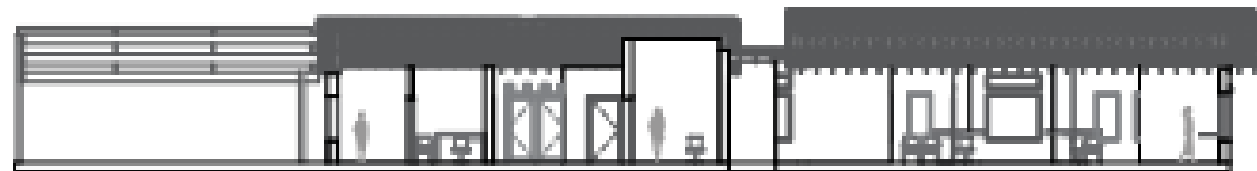
Side



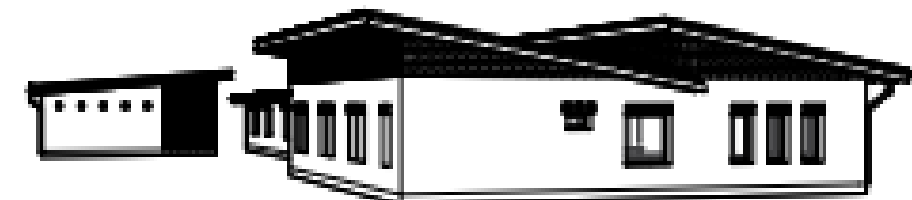
East Elevation 1:200



Entrance



Section 1 1:200

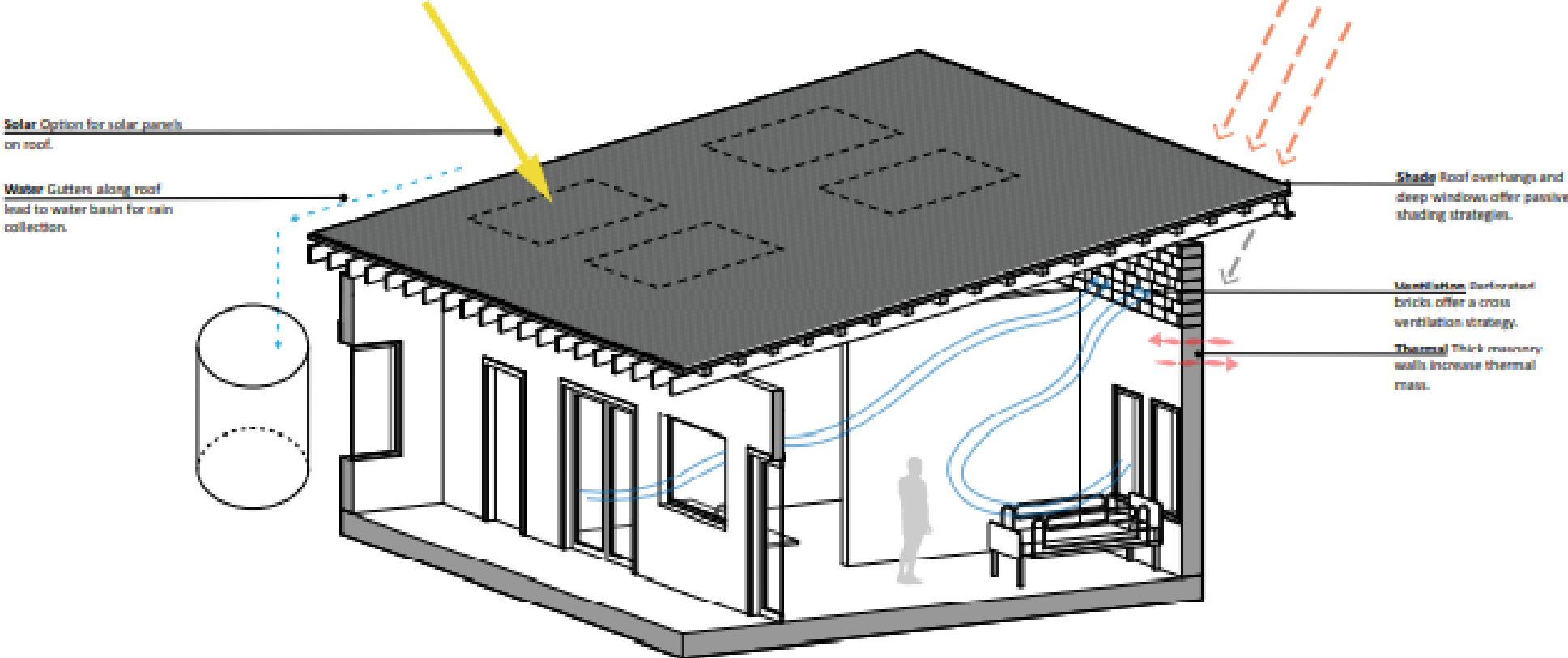


Rear

ARTISTIC IMPRESSION



SUSTAINABILITY RENDERING



MATERIALS ANALYSIS

