

# **HITHADHOO ECOTOURISM PROJECT - VISITOR'S CENTER**

### Important notes:

- Contractor may use Tualang timber instead of Balau or Teak wood.
- Where Pine wood is specified, contractor may use Pine wood.



ACCESS CONTROL AND FENCING	
	ACCESS CONTROL
	BOLLARD
	RANGER HUT
	FENCING
TRAIL REFURBISHMENT	
	RED ROUTE
	YELLOW ROUTE
ECOTOURISM FACILITIES	
	VISITOR CENTRE
	BIRD OBSERVATORY
	BOARDWALK
	PICNIC AREA
	VIEW POINTS



MALDIVES  
WETLAND  
CONSERVATION  
PROJECT



THE WORLD BANK  
Working for a World  
Free of Poverty



Australian  
AID



Environmental  
Protection  
Agency  
Republic of Maldives



CITY OF ADDU



Ohidria



FERNANDO LOPEZ MENA



CITY OF ADDU



CITY OF ADDU



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TITLE:  
CONSULTING SERVICES FOR THE DEVELOPMENT AND IMPLEMENTATION OF  
COMMUNITY-BASED WETLANDS MANAGEMENT PLANS (CBWMPs) AND  
ASSOCIATED DRAINAGE MANAGEMENT IN HITHADHOO AND FUVAHMULAH

SCALE:  
1:4 000 (A1)  
1:8 000 (A3)  
ORIGINAL

DESIGNATION OF PLANE:  
SITE MAP

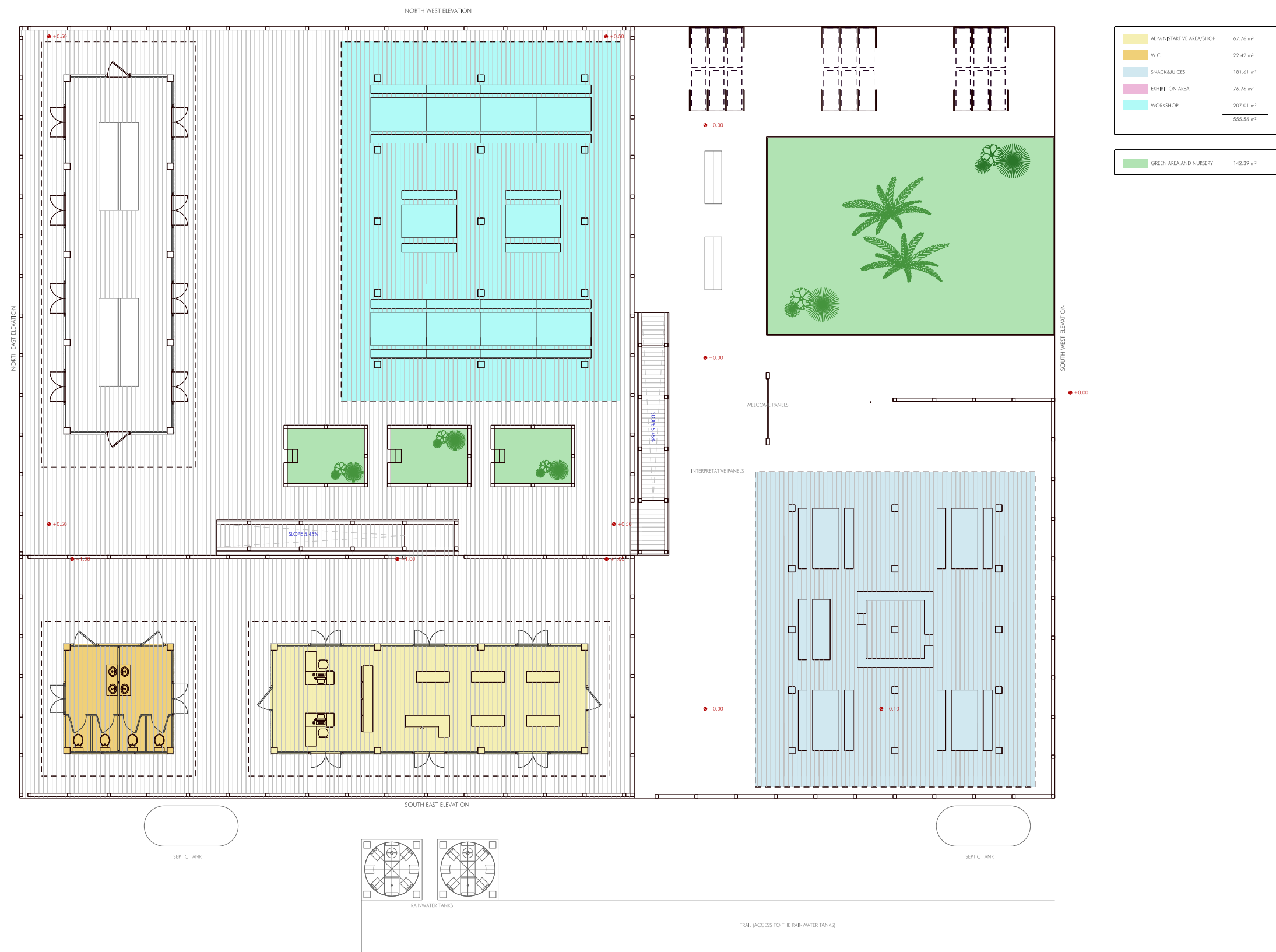
EDITION - VERSION:  
003 / A  
DATE:  
JANUARY 2014

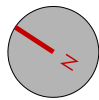
DRAWING NUMBER:  
1  
SHEET 1 OF 5



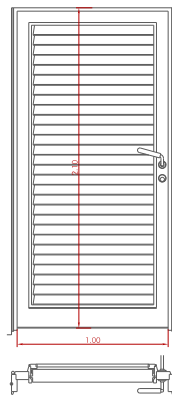




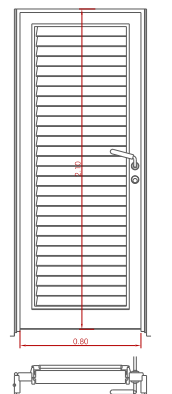




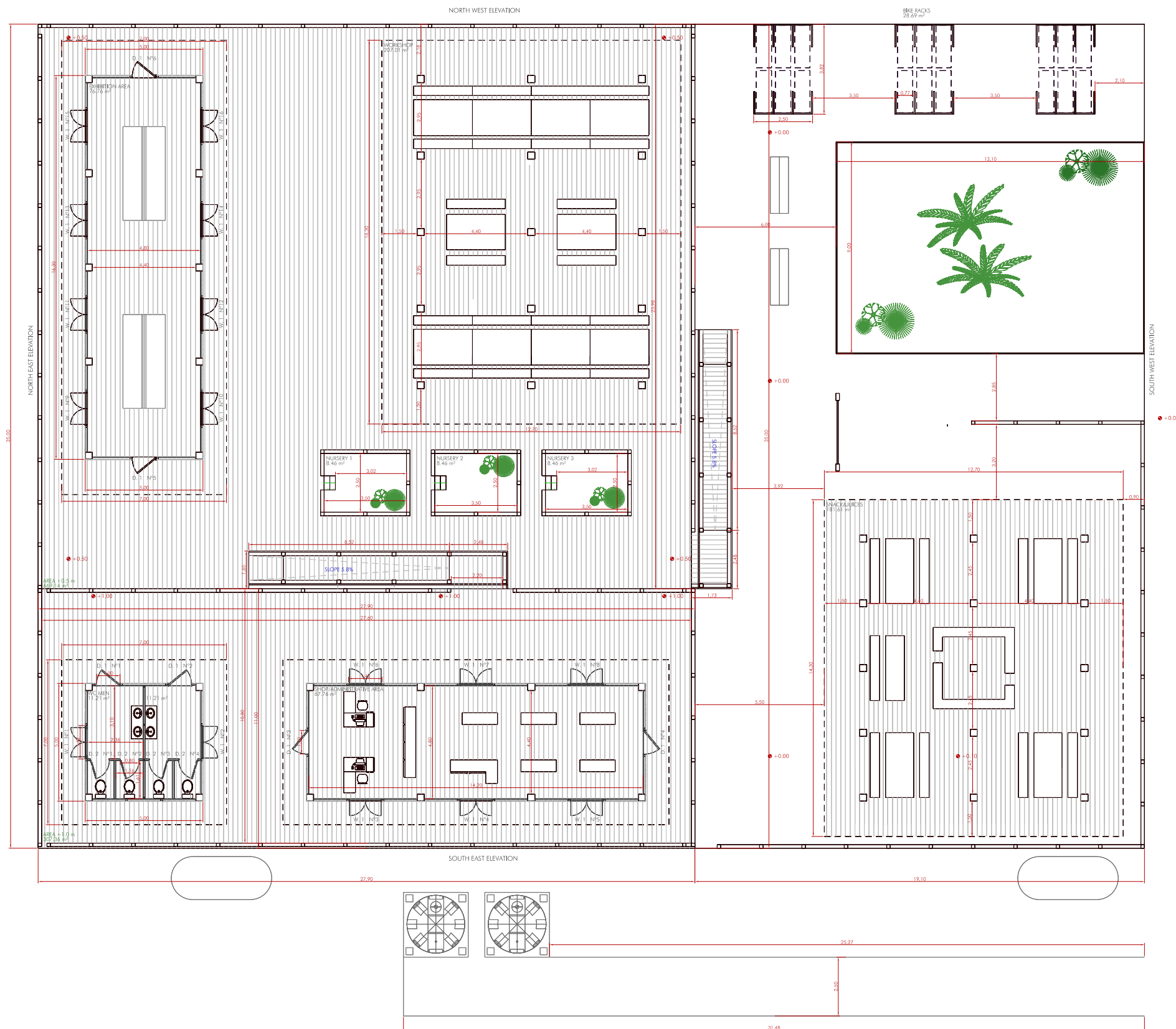
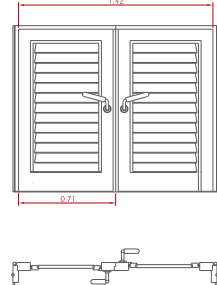
DOOR TYPE D1  
6 UNITS



DOOR TYPE D2  
4 UNITS

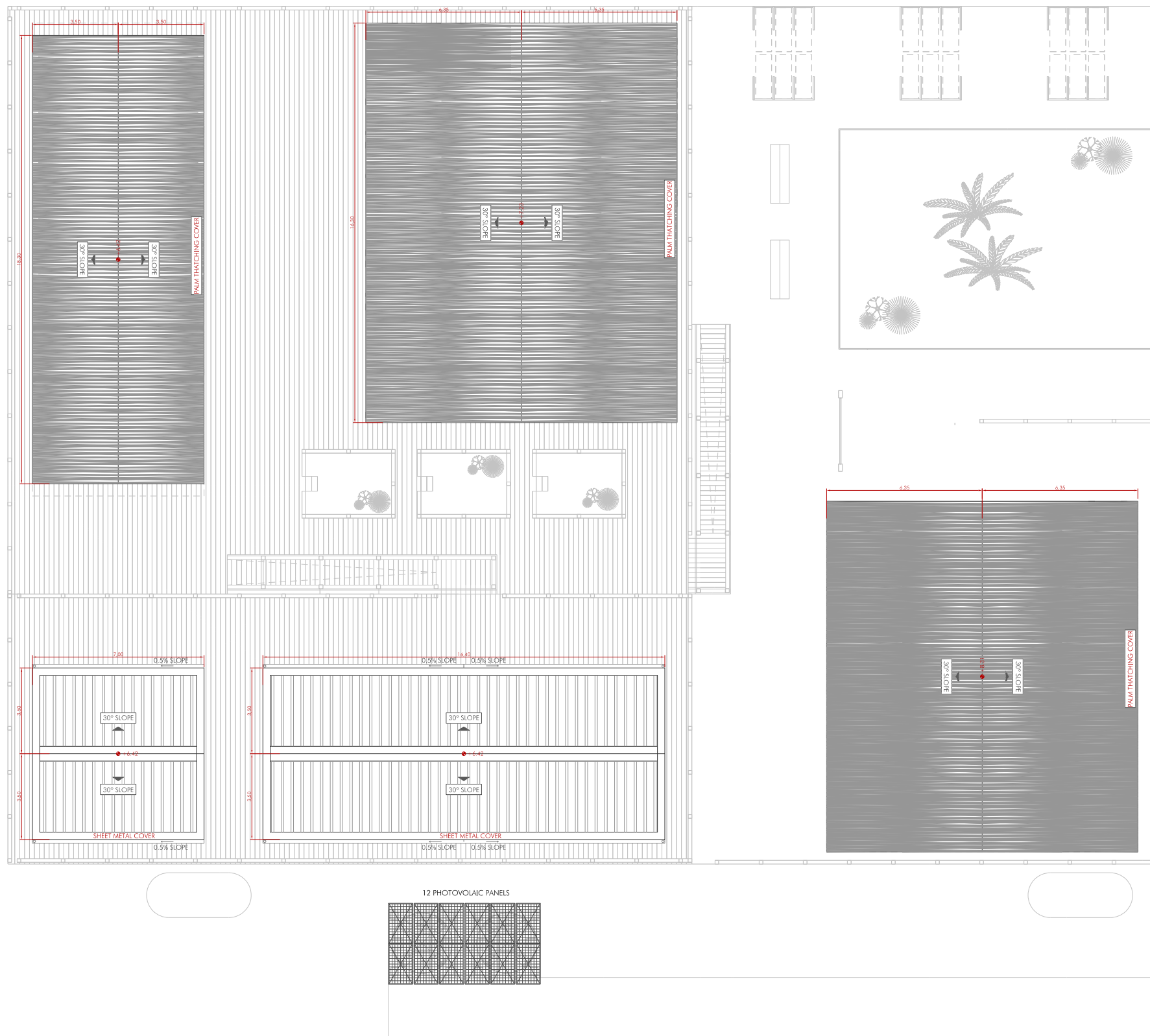


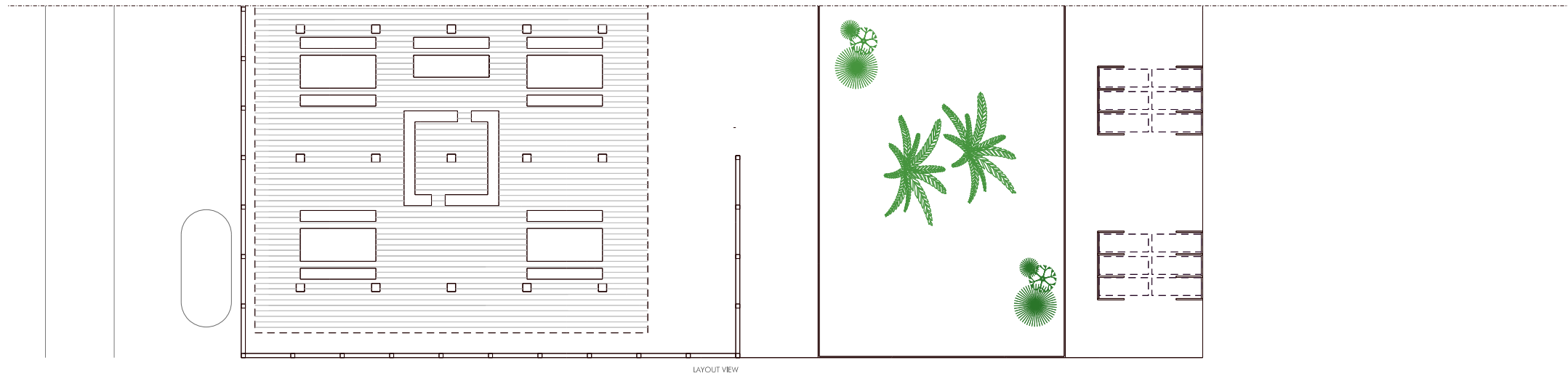
WINDOW TYPE W1  
16 UNITS



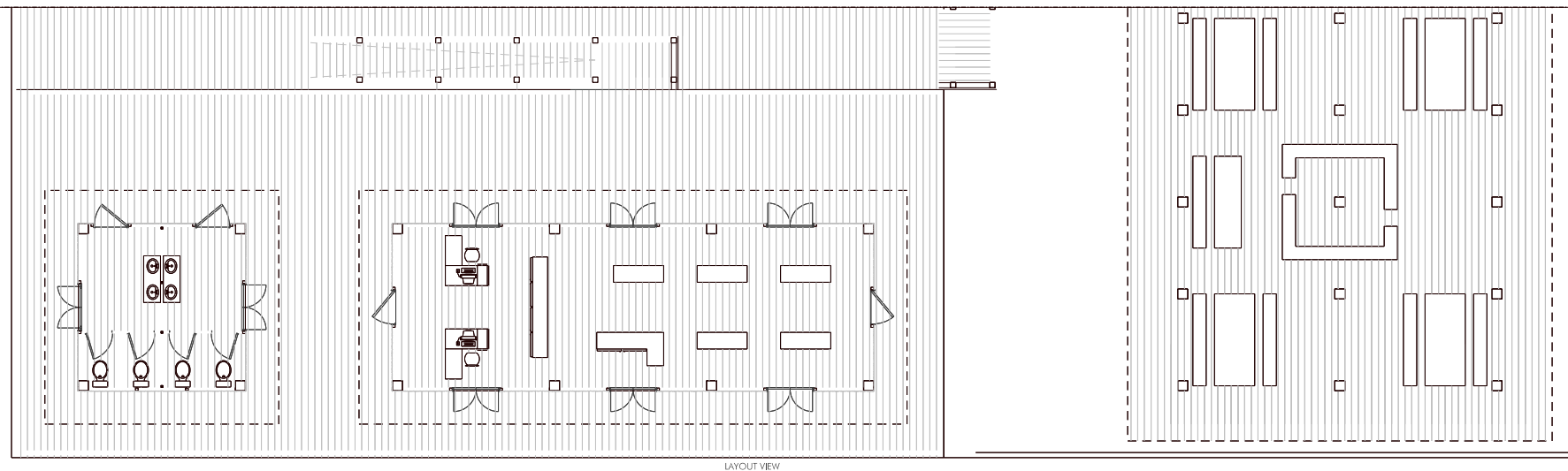
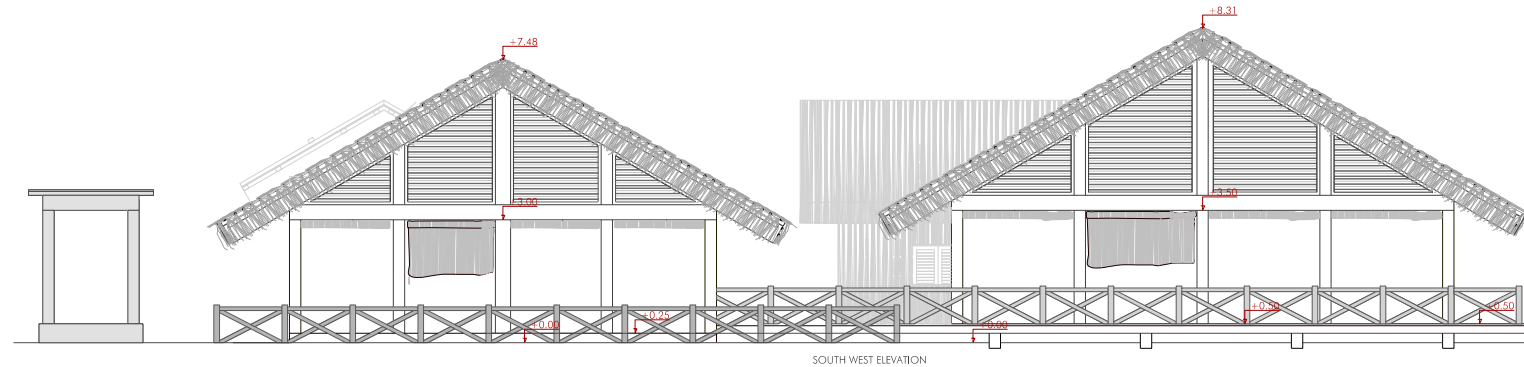
	ELEVATION
	ZONES WITH DIFFERENT ELEVATION +0.00, +0.50, +1.00
	AREA OF CONSTRUCTIONS +0.00, +0.50, +1.00
	DESCRIPTION OF DOORS
	DESCRIPTION OF WINDOWS
	RAILING



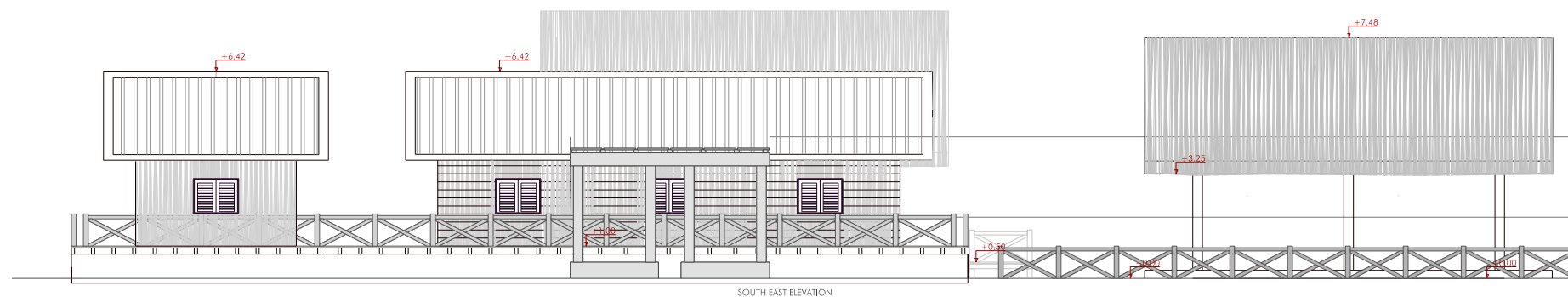




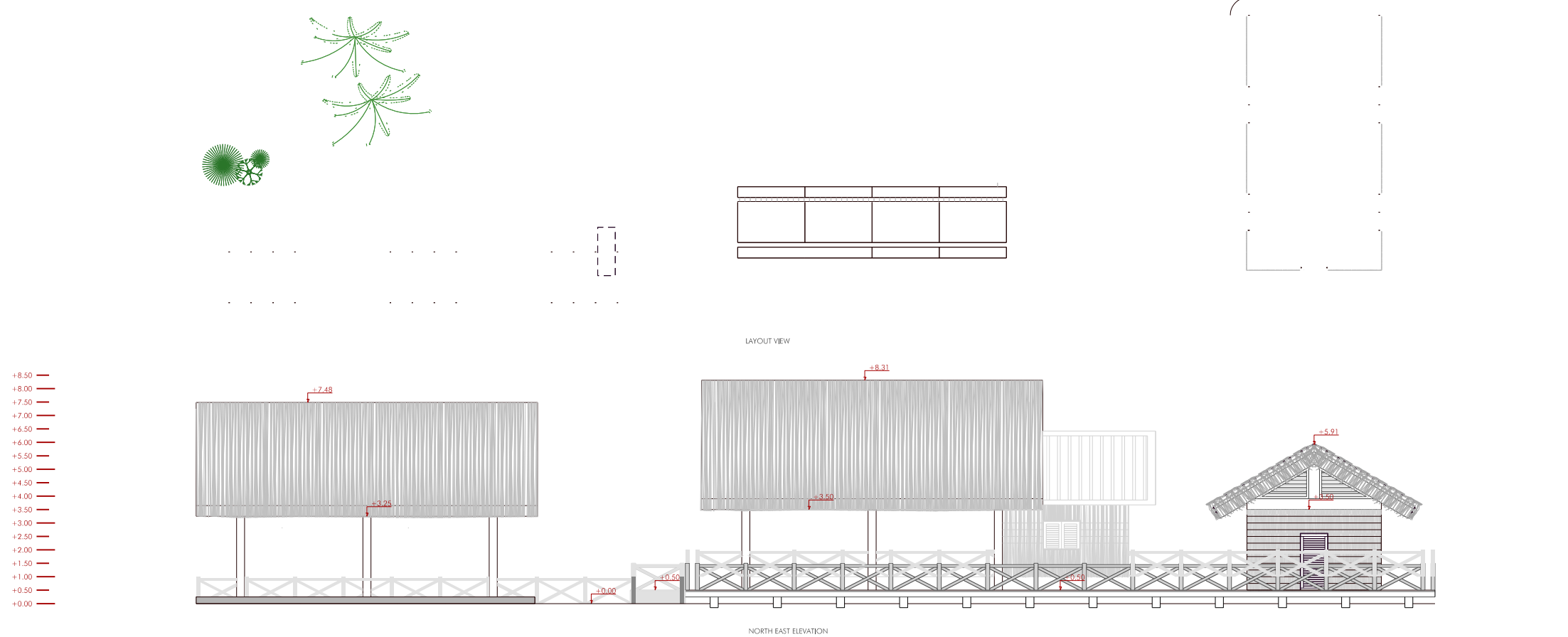
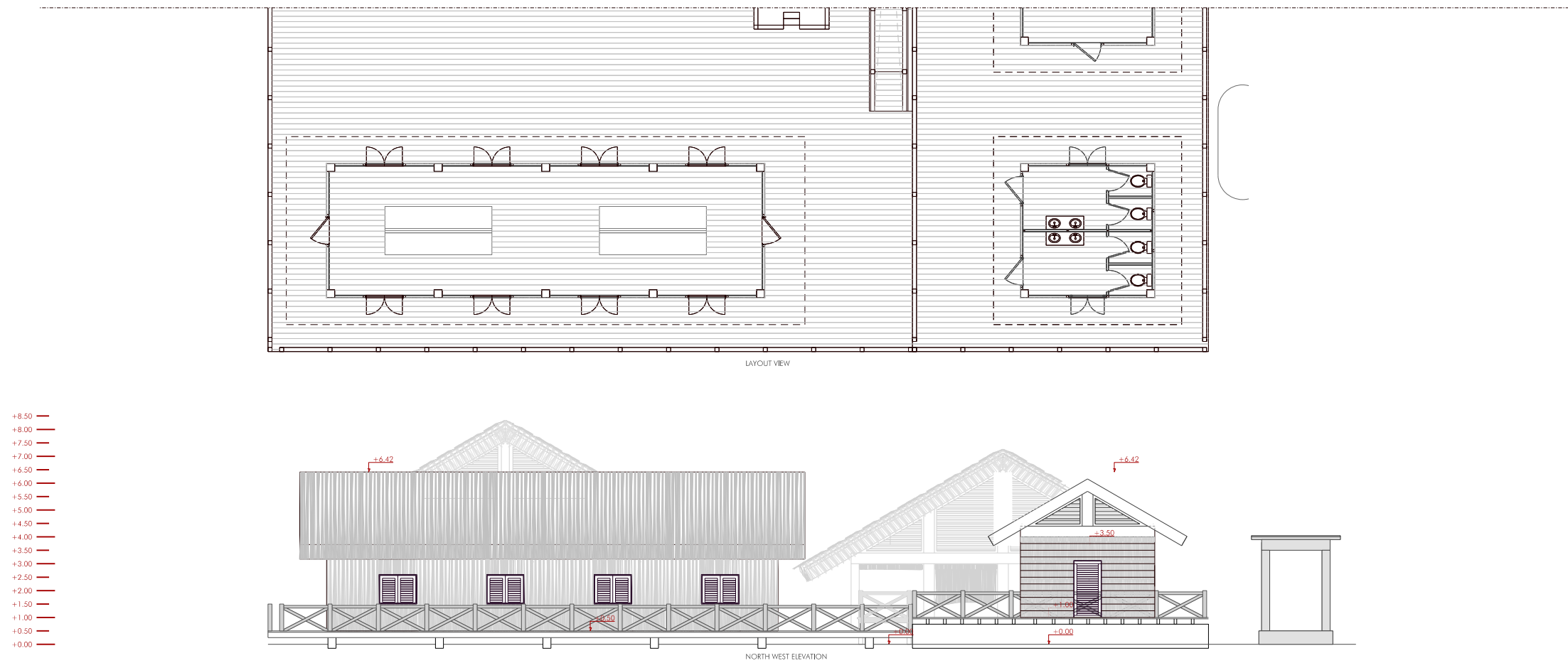
+8.50  
+8.00  
+7.50  
+7.00  
+6.50  
+6.00  
+5.50  
+5.00  
+4.50  
+4.00  
+3.50  
+3.00  
+2.50  
+2.00  
+1.50  
+1.00  
+0.50  
+0.00

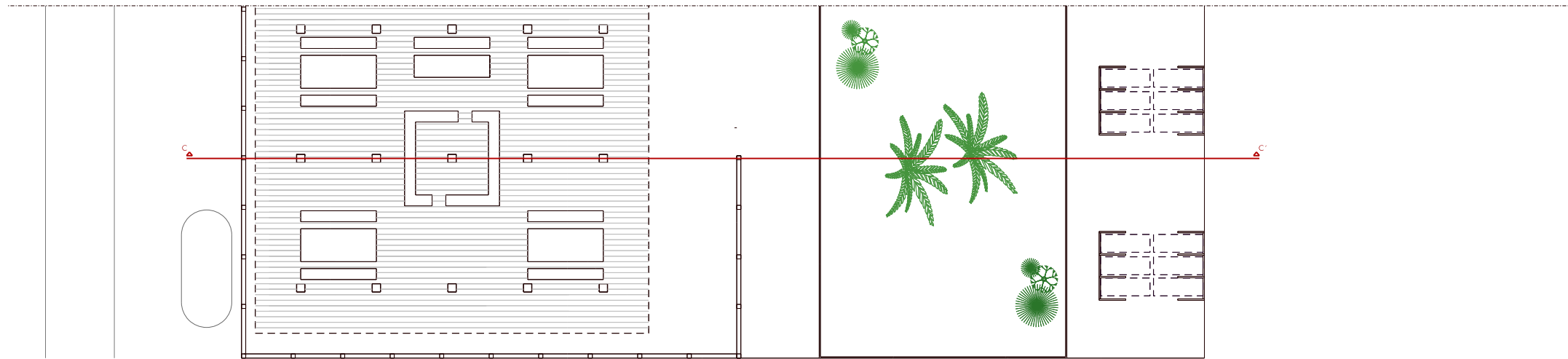


+8.50  
+8.00  
+7.50  
+7.00  
+6.50  
+6.00  
+5.50  
+5.00  
+4.50  
+4.00  
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+3.00  
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+2.00  
+1.50  
+1.00  
+0.50  
+0.00

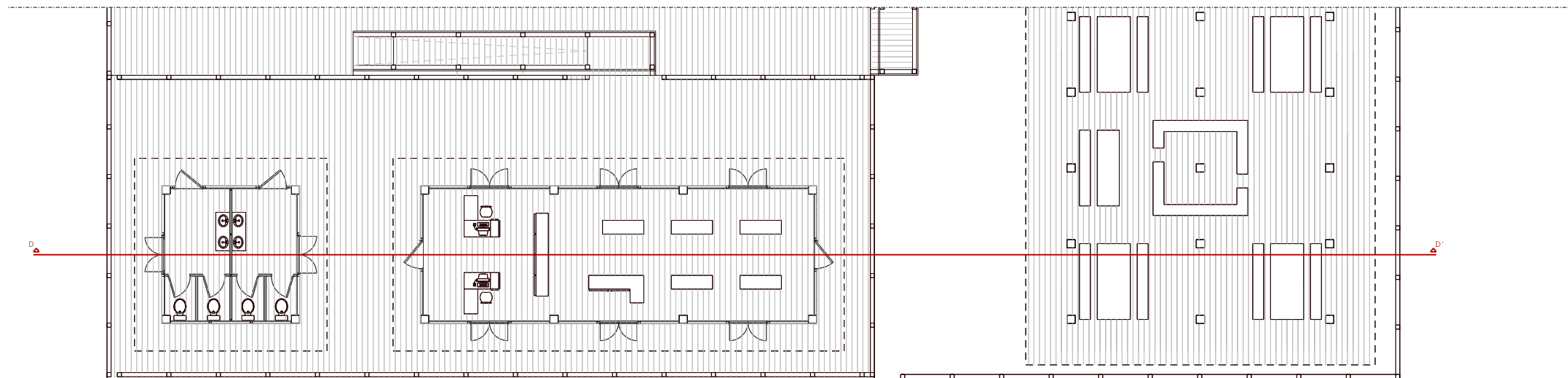
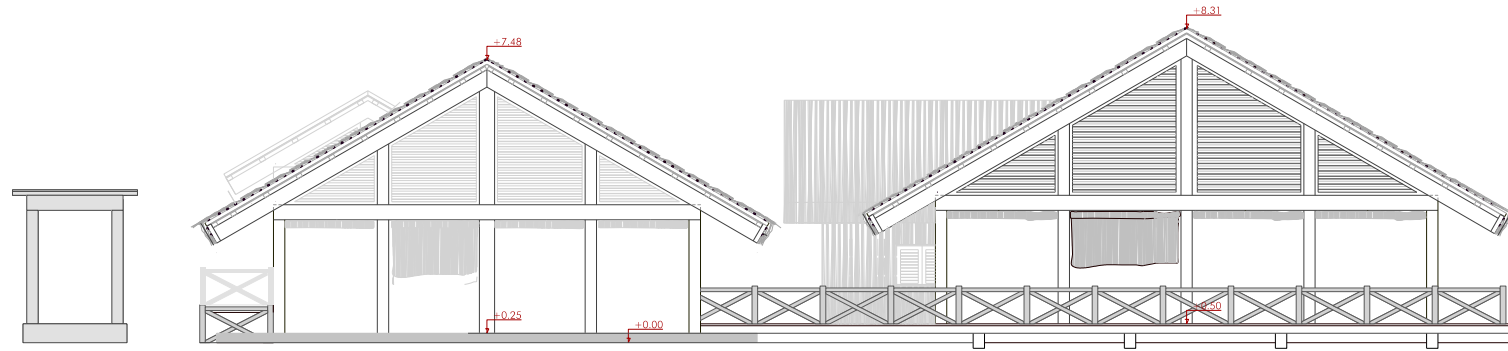




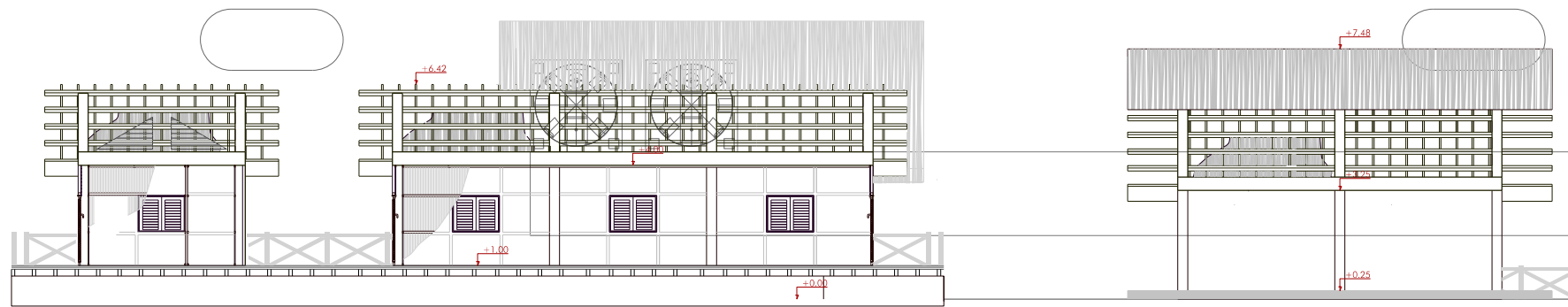




+8.5.0  
+8.00  
+7.50  
+7.00  
+6.50  
+6.00  
+5.50  
+5.00  
+4.50  
+4.00  
+3.50  
+3.00  
+2.50  
+2.00  
+1.50  
+1.00  
+0.50  
+0.00



+8.5.0  
+8.00  
+7.50  
+7.00  
+6.50  
+6.00  
+5.50  
+5.00  
+4.50  
+4.00  
+3.50  
+3.00  
+2.50  
+2.00  
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+0.00







CONCRETE BEAMS  
SCALE 1/50 (A1)

BEAM TYPE CB1  
30X40 cm

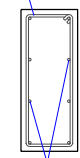
BEAM TYPE CB2  
30X90 cm

Ø12 each 20 cm

Ø12 each 20 cm



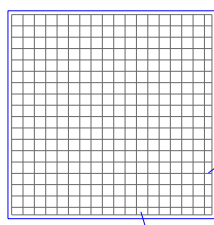
4 Ø12 mm  
STEEL G500C



8 Ø12 mm  
STEEL G500C

WATER TANK FOUNDATION  
SCALE 1/50 (A1)

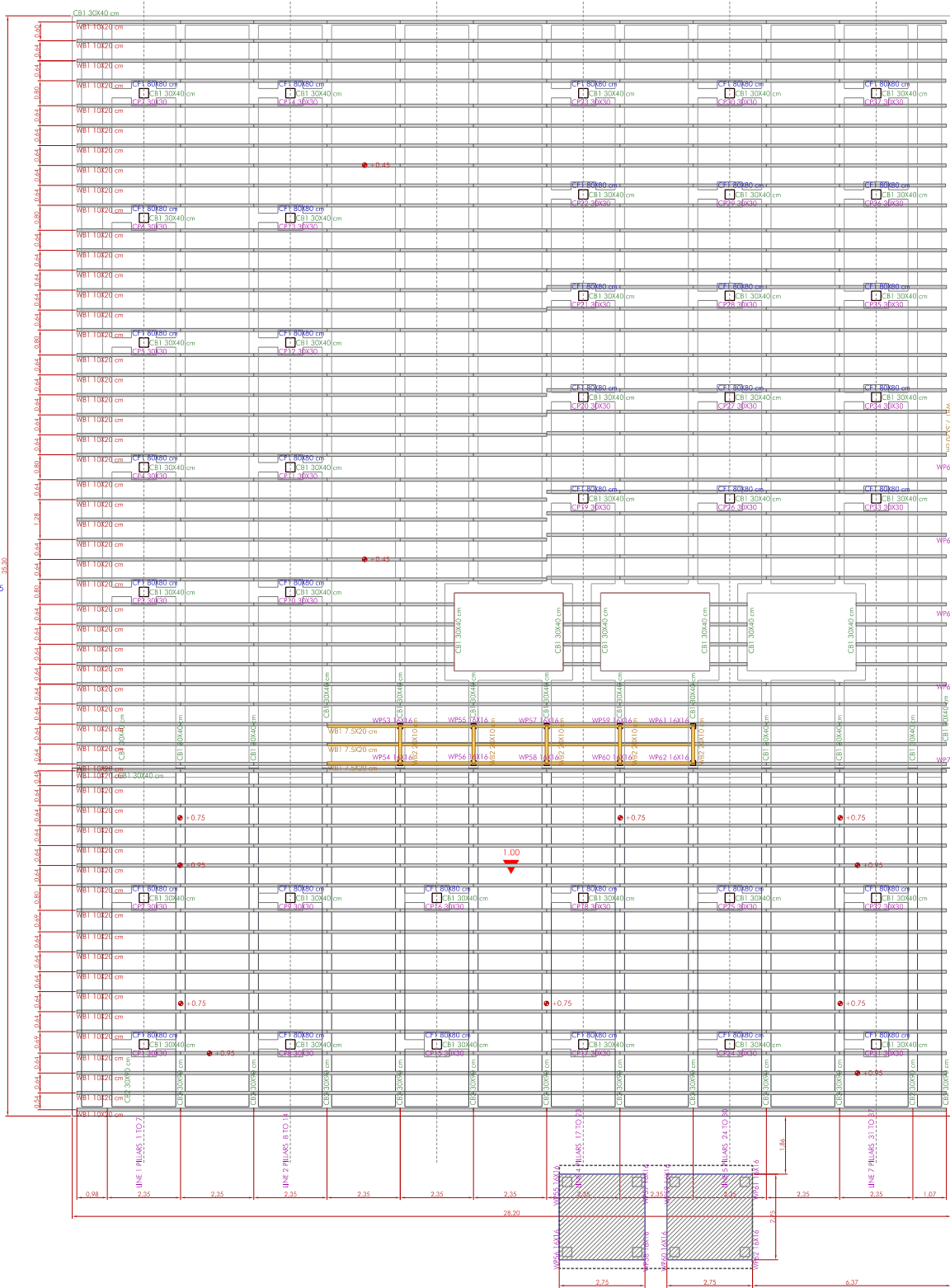
LAYOUT



19 Ø12 (20P+265+20P) s15

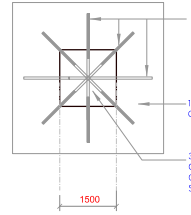
19 Ø12 (20P+265+20P) s15

- WP54 16X16 WOOD PILLAR
- WB2 20X10 cm WOOD BEAM
- WB1 7.5X20 cm WOOD BEAM
- WB1 10X20 cm WOOD BEAM
- CB1 30X40 cm CONCRETE BEAM
- CB2 30X90 cm CONCRETE BEAM
- CF1 80X80 cm CONCRETE FOUNDATION
- CF3 30X30 cm CONCRETE PILLAR



CONCRETE PILLAR FOUNDATION  
SCALE 1/50 (A1)

LAYOUT



1:2.4 MASS  
CONCRETE

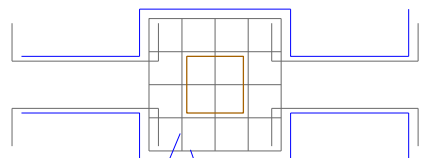
300mm TREATED TIMBER  
COLUMNS STRENGTH  
CLASS D40 OR  
STRONGER

SECTION

12mm STEEL BAR



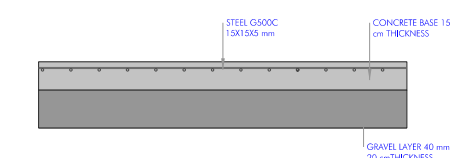
CONCRETE FOUNDATION 80 x 80 x 80 cm



5 Ø12 (20P+70+20P) s17.5

5 Ø12 (20P+70+20P) s17.5

BEARING BASE DETAIL  
SCALE 1/50 (A1)



STEEL G500C  
15X15X5 mm

CONCRETE BASE 15  
cm THICKNESS

GRAVEL LAYER 40 mm  
20 cm THICKNESS

## PALM THATCHING

TIMBER BATTENS 5X15 cm

POLYTHENE

PLYWOOD 2 cm THICKNESS

TIMBER BATTENS 20X15 cm

TIMBER BEAM 30x40 cm

TIMBER BEAM 30X40 cm

PILAR 30X30 cm

TMBER STRUCTURE 10X10 cm

THOSHALI

TIMBER FLOOR 10X50 cm

CONCRETE BEAM 30X40 cm.

CONCRETE FOUNDATION 80X80 cm

SHEET METAL COVER

TIMBER BATTENS 5X15 cm

POLYTHENE

PLYWOOD 2 cm THICKNESS

TIMBER BATTENS 20X15 cm

TIMBER BEAM 30x40 cm

TIMBER BEAM 30X40 cm

METAL GUTTER

- THOSAHLI

## – WATER PROOFING

INSULATION CAVITY  
ABSORBER

- 20x135 SHIPLAP  
TIMBER BOARDS

EXTERIOR

INTERIOR

## TIMBER COVERING

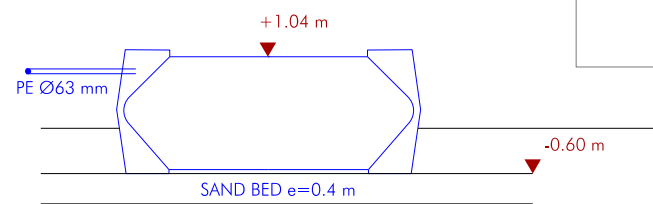
50x50 TIMBER  
STUD

### EXTERIOR WALL DETAIL

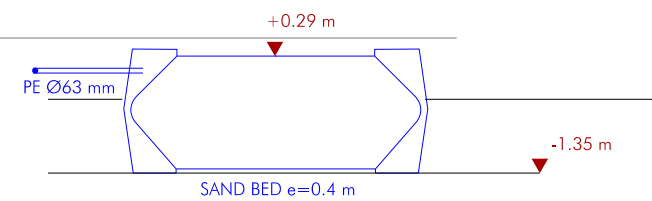




LATERAL VIEW SCHEMA

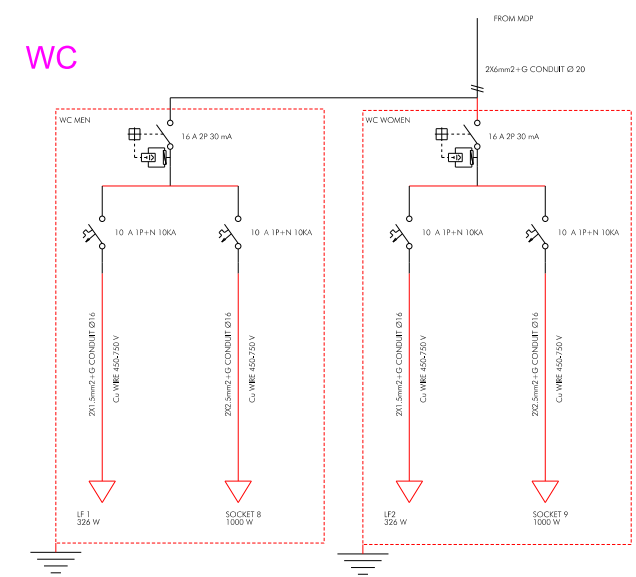
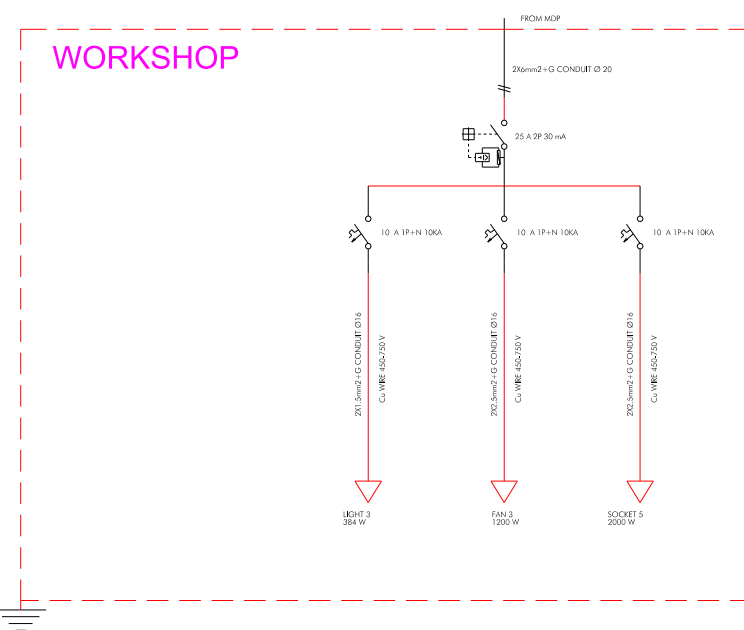
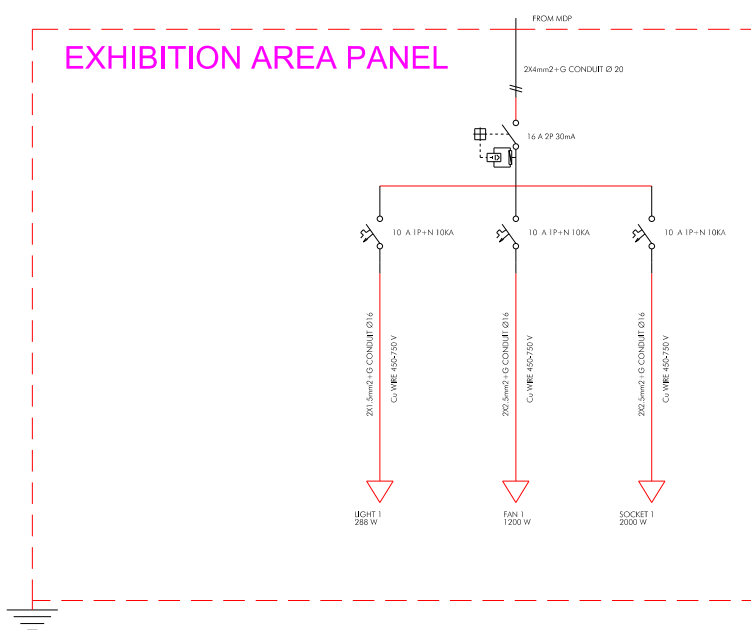
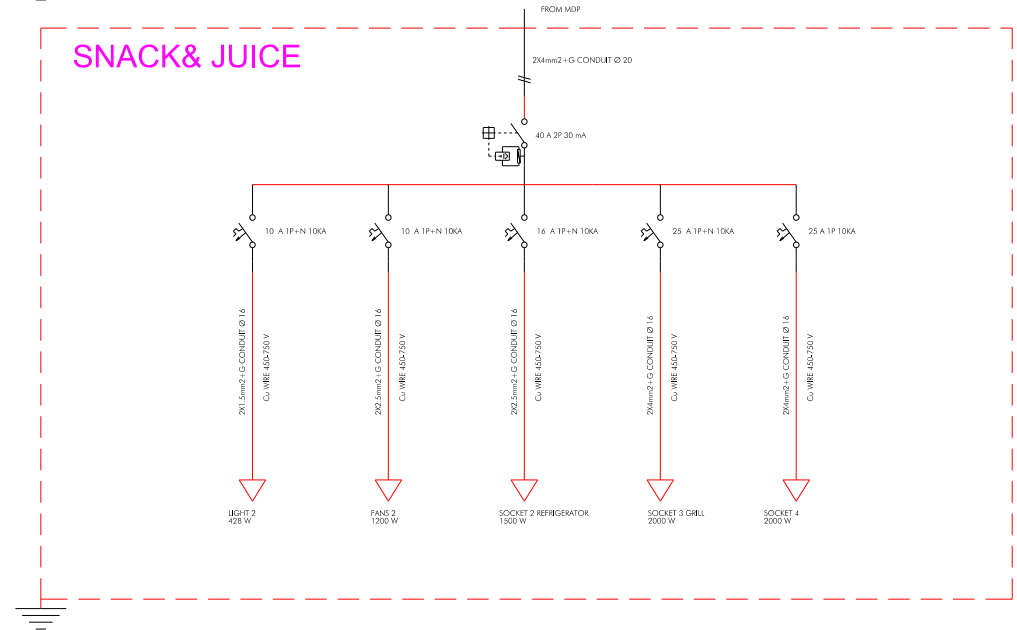
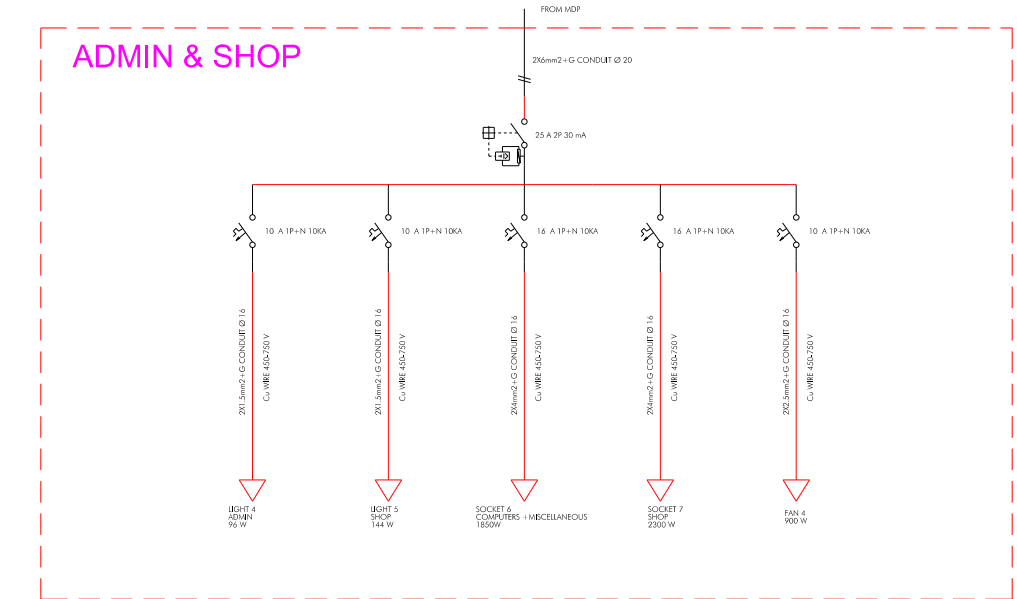
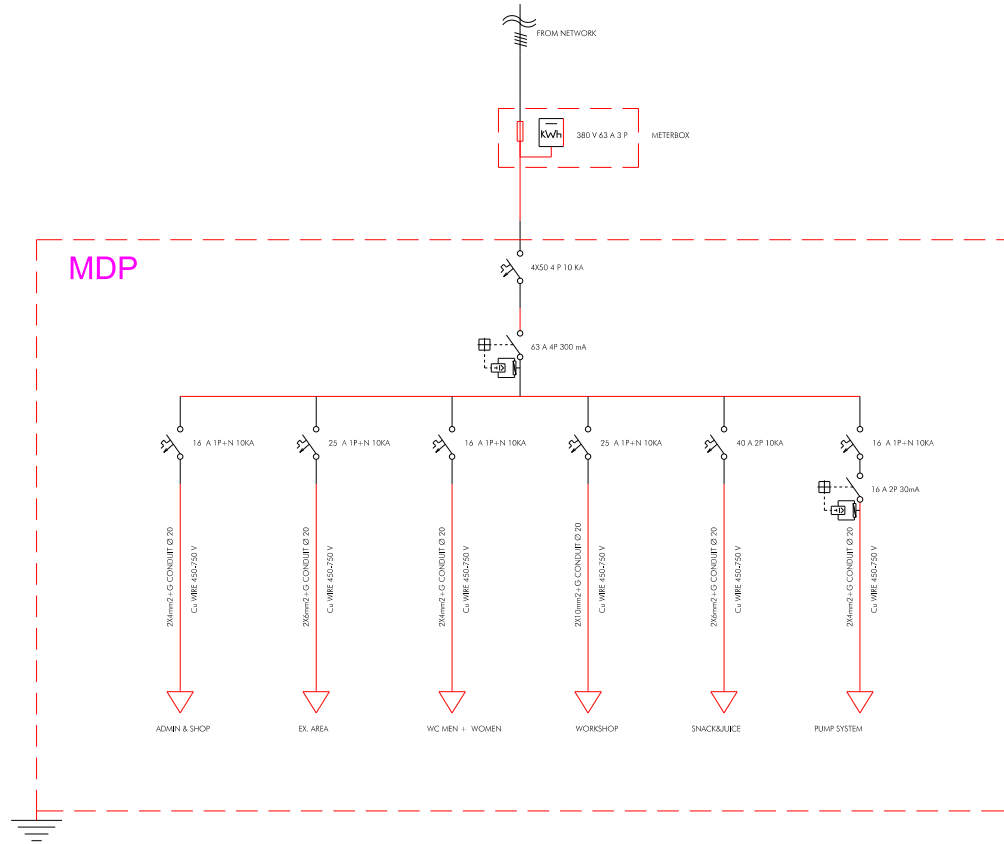
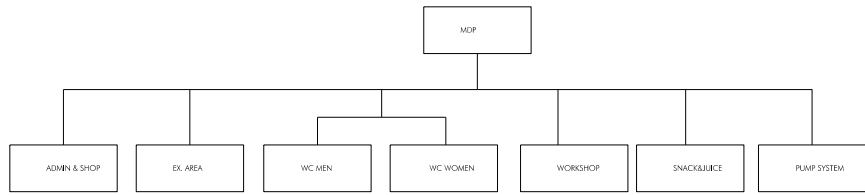


LATERAL VIEW SCHEMA

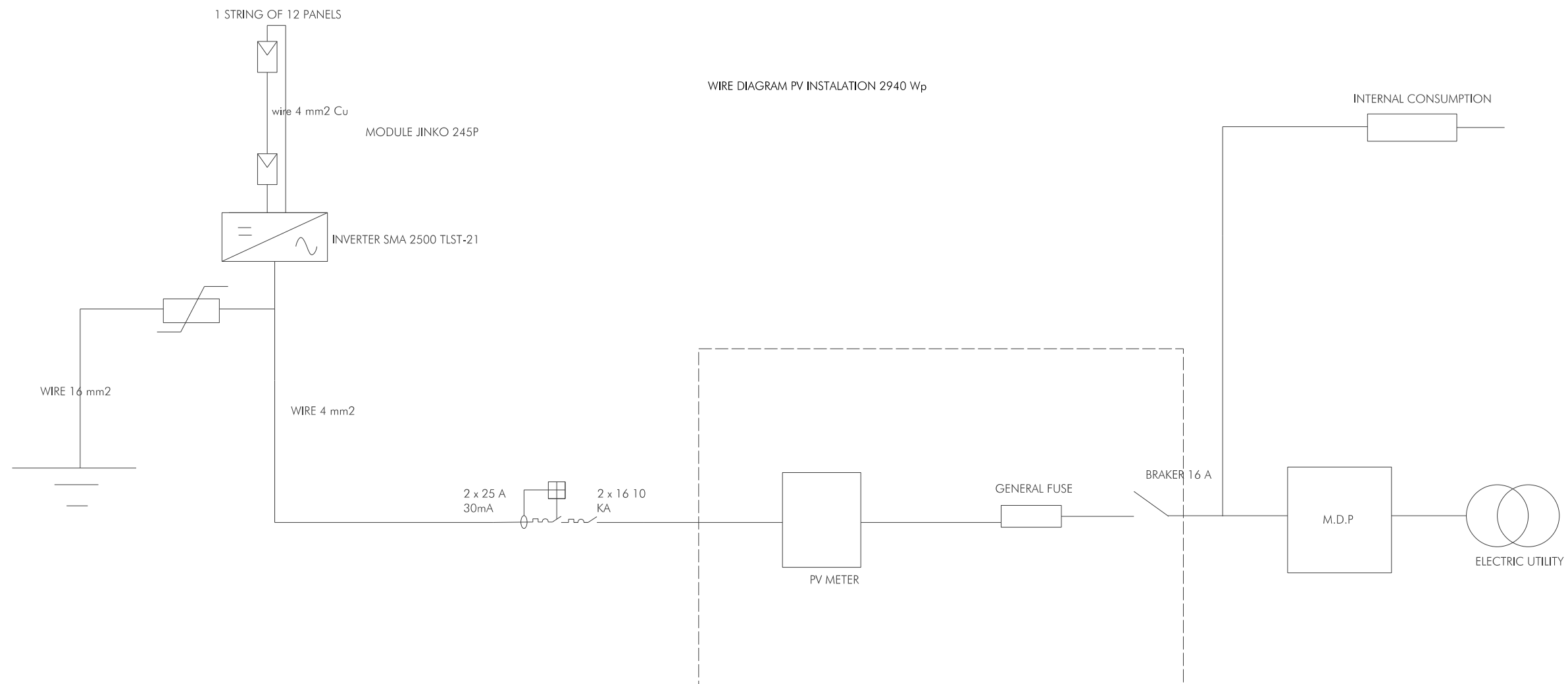
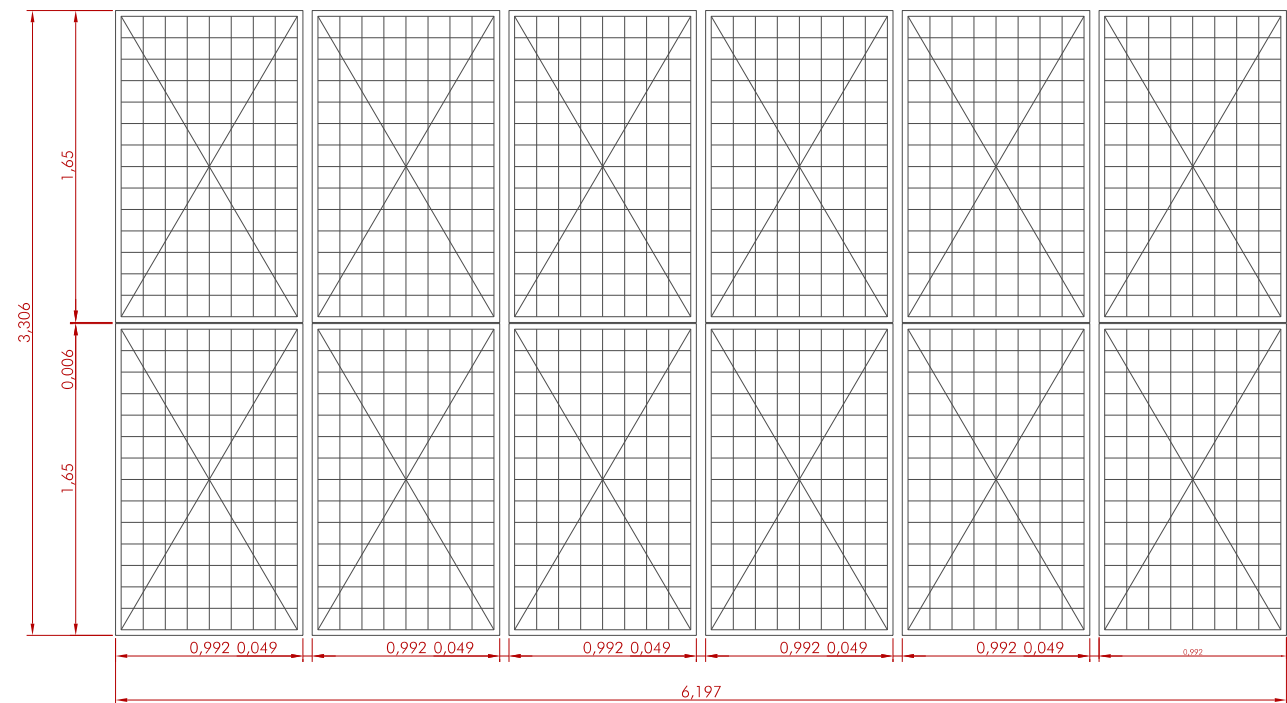











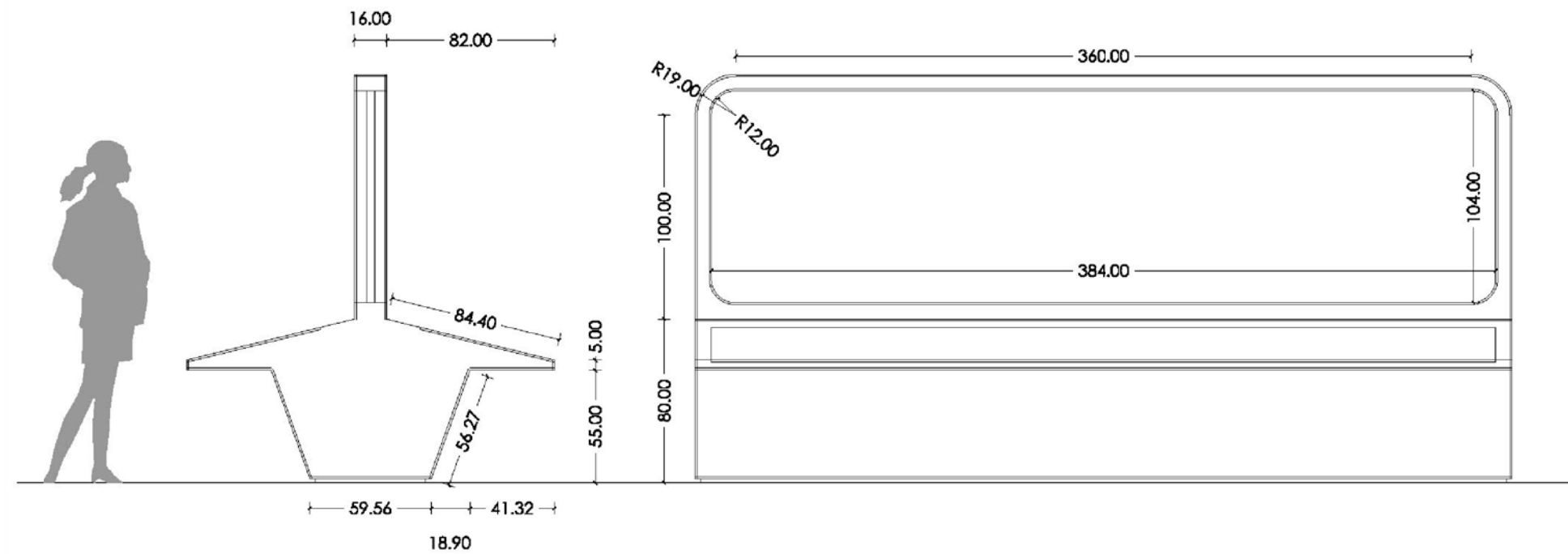
12 PHOTOVOLTAIC PANELS



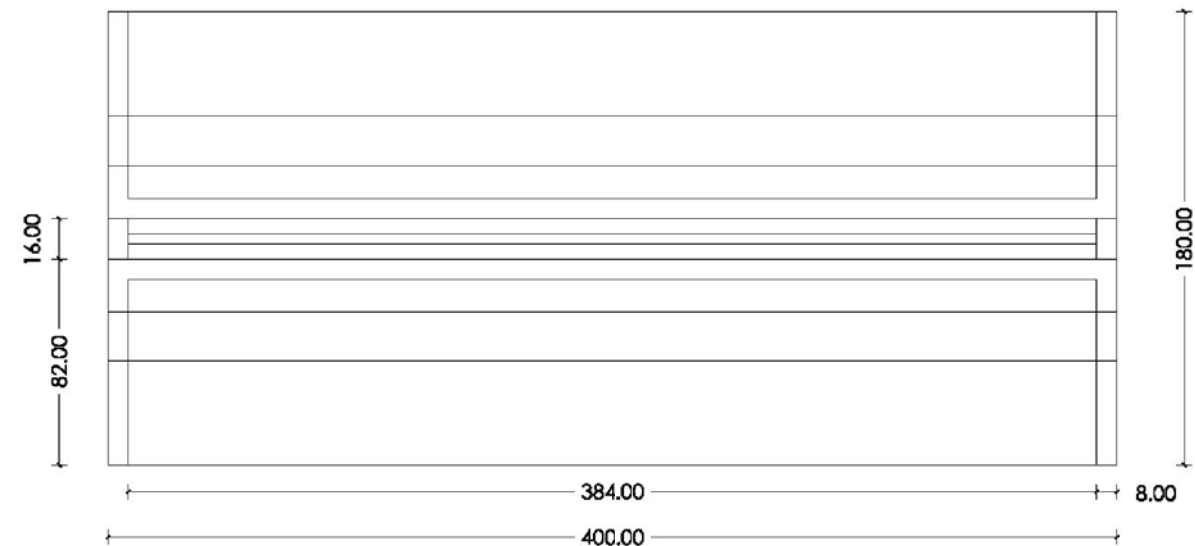
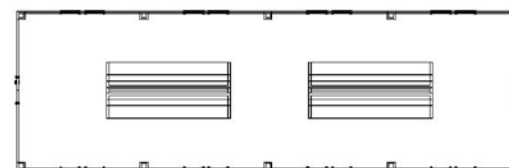


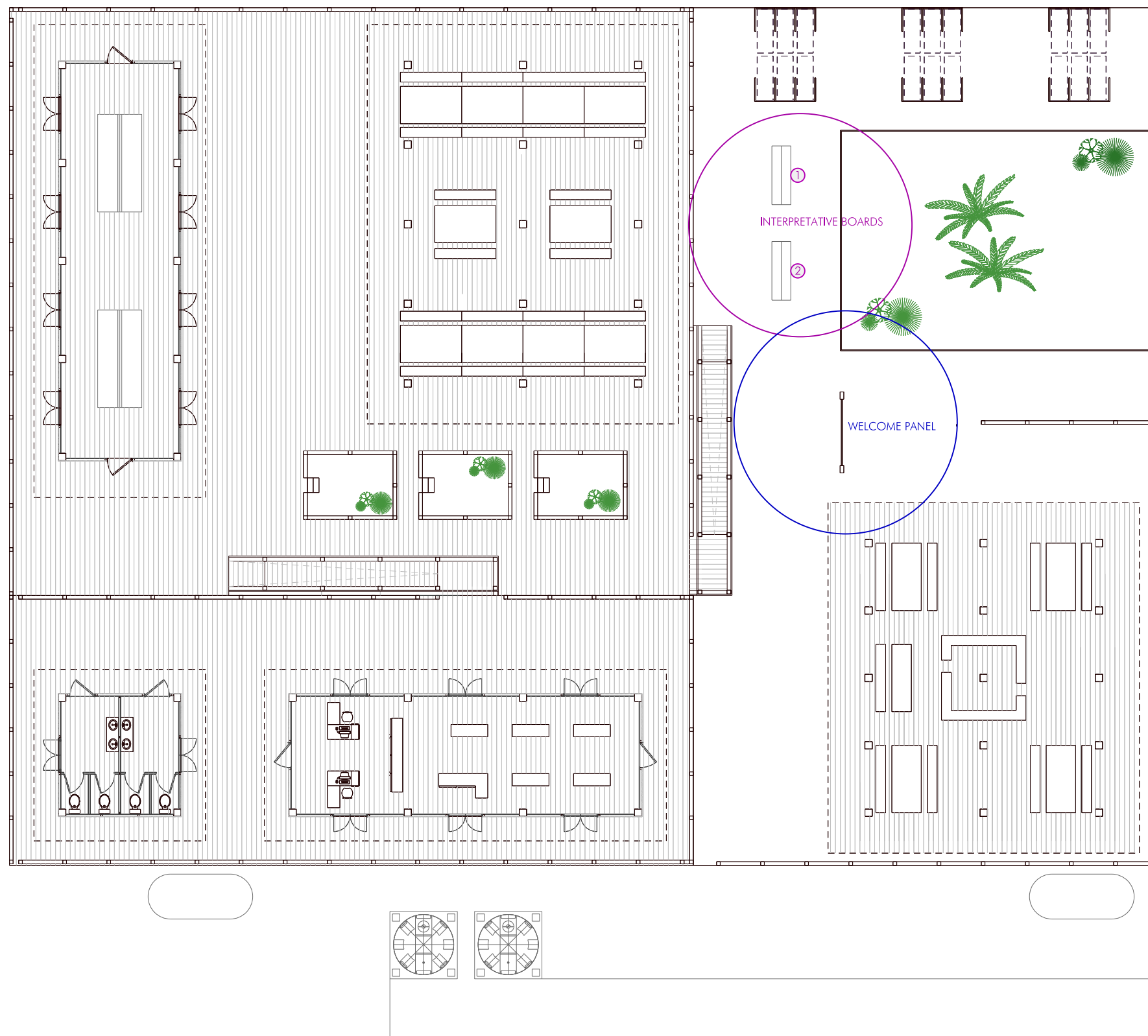
- LEGEND
-  SIGNAL FORBIDDEN SMOKE
  -  FIRE EXTINGUISHER
  -  EMERGENCY EXIT





Museographic resources: Museographic module I: Module constructed out of wood with an average MDF density of a good dimensional stability (18-18 mm) and lacquered finish. Graphic communication support in vinyl PoliC (10 mm), printing in table CNC. Upper graphic communication support in vinyl PoliC (10 mm) milled in table CNC and LED illumination. Museographic Module II: Module constructed out of wood with an average MDF density of a good dimensional stability (18-18 mm) and lacquered finish. Graphic communication support in vinyl PoliC (10 mm), printing in table CNC. Upper graphic communication support in vinyl PoliC (10 mm) milled in table CNC and LED illumination



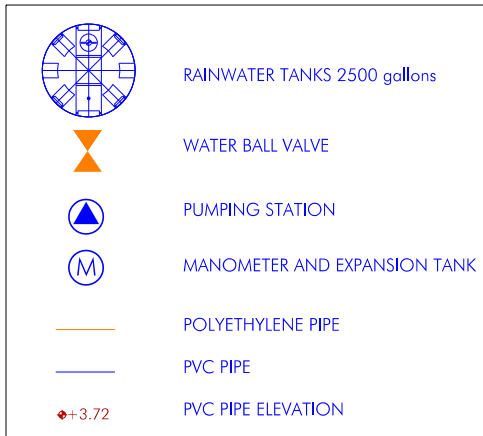
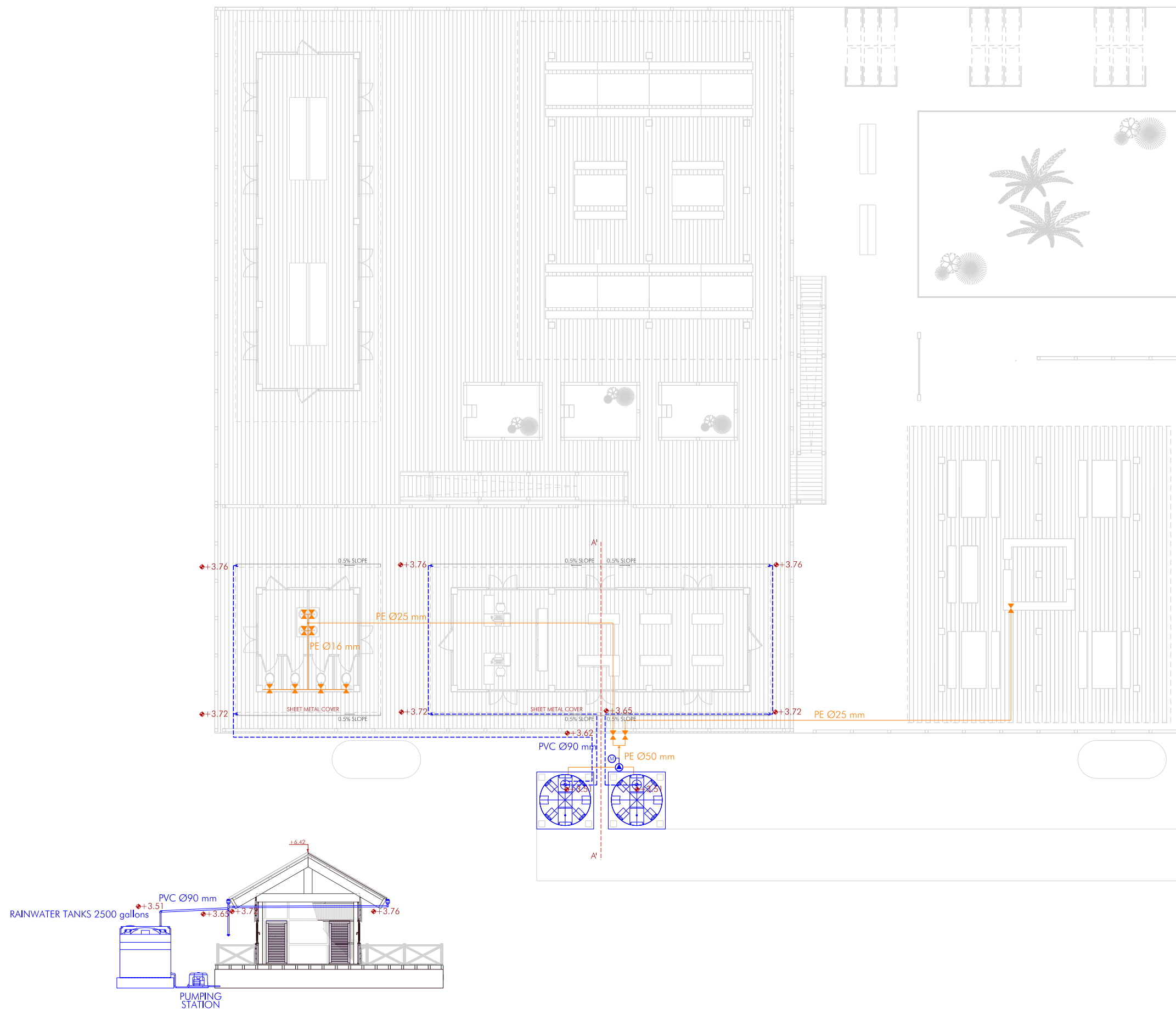


Sawed tropical wood pillar (Teak, Iroko, Cerejato or similar), from 14x14 to 20x20 cm per section and up to 4 meters long, structural quality MEG, resistant class C-18, protection of the wood with penetration class P2, worked in a workshop.

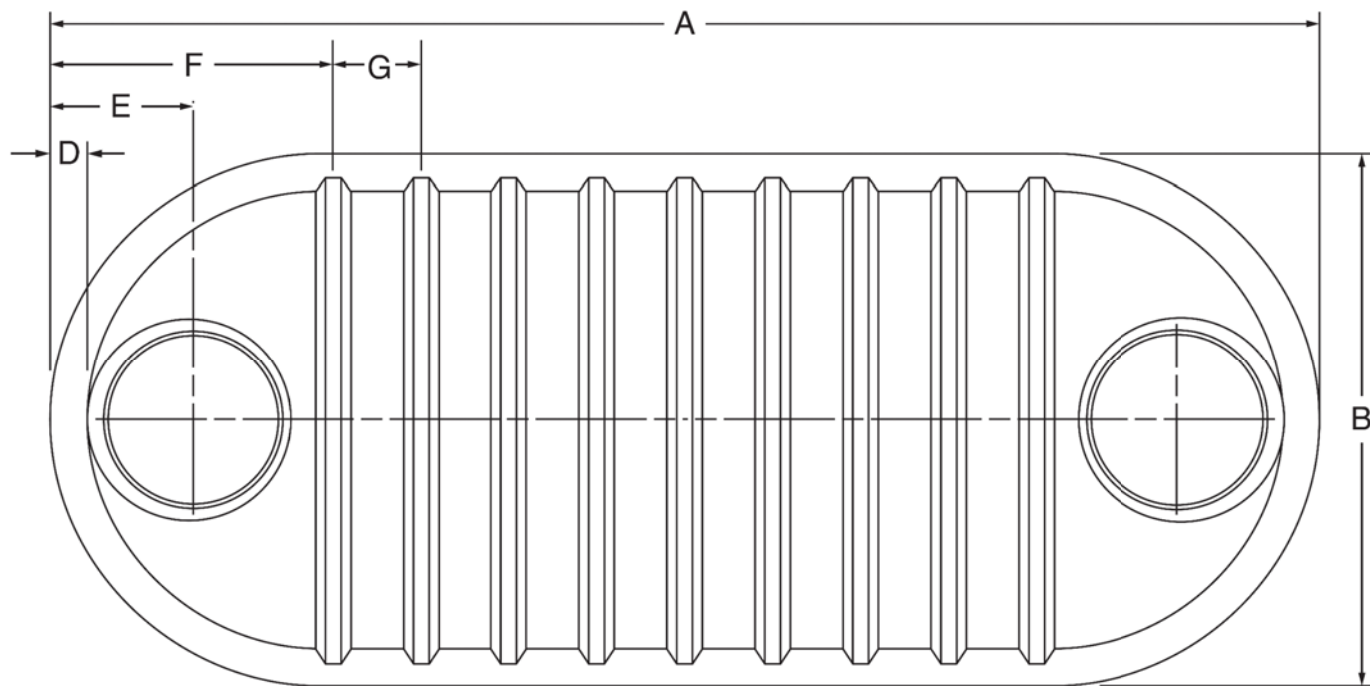


The drawing shows a house with a gabled roof and a brick chimney. The roof is labeled with 'H' at the peak and 'G' on the slope. The chimney is labeled 'F'. The main body of the house is labeled 'A' at the base and 'B' on the side. The roof slope is labeled 'C' and 'D'. The chimney is labeled 'E' at the base. The drawing includes dimensions: 6665 for the total height, 3923 for the roof height, 9800 for the chimney height, 9500 for the main body height, 6000 for the chimney width, 6000 for the main body width, 5000 for the chimney depth, and 5000 for the main body depth. The drawing also shows a cross-section of the roof and chimney, with labels 'A' through 'H' indicating different parts of the structure.

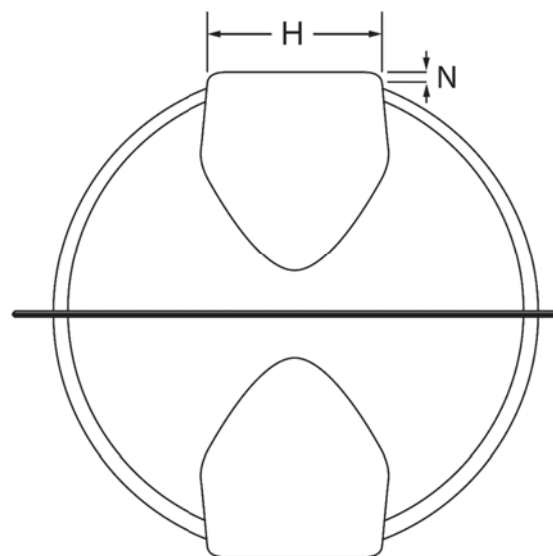
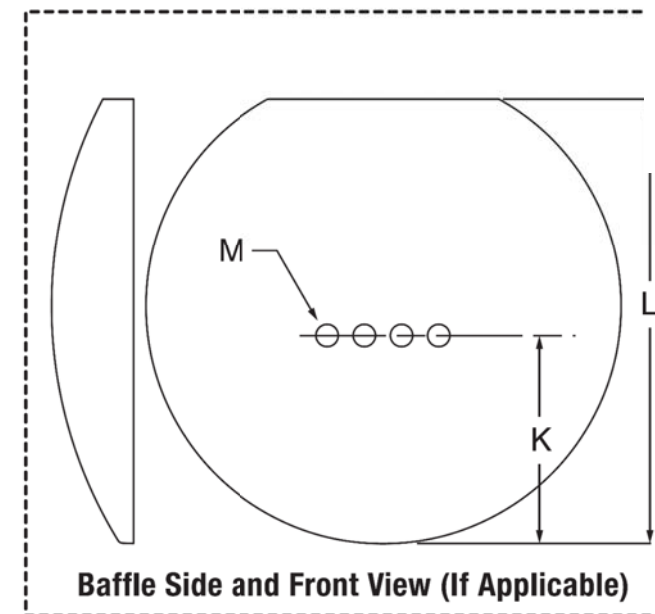
- (A) TREATED WOOD POST (100x150 mm)
- (B) TREATED WOOD (100x100 mm)
- (C) MEDIUM FOR PRINTING MADE OF PERSPEX (4 mm)  
AND BACKED WITH TREATED WOOD (22 mm)
- (D) METAL ZIPS LOCKS (3 mm)
- (E) NON STRUCTURAL CONCRETE FOUNDATION 20 N/mm<sup>2</sup>
- (F) MOORINGS (150 mm)
- (G) TREATED WOOD BEAM (100x60 mm)
- (H) ROOF WITH A TREATED WOOD BASE (22 mm)  
WITH SHOWING TILES



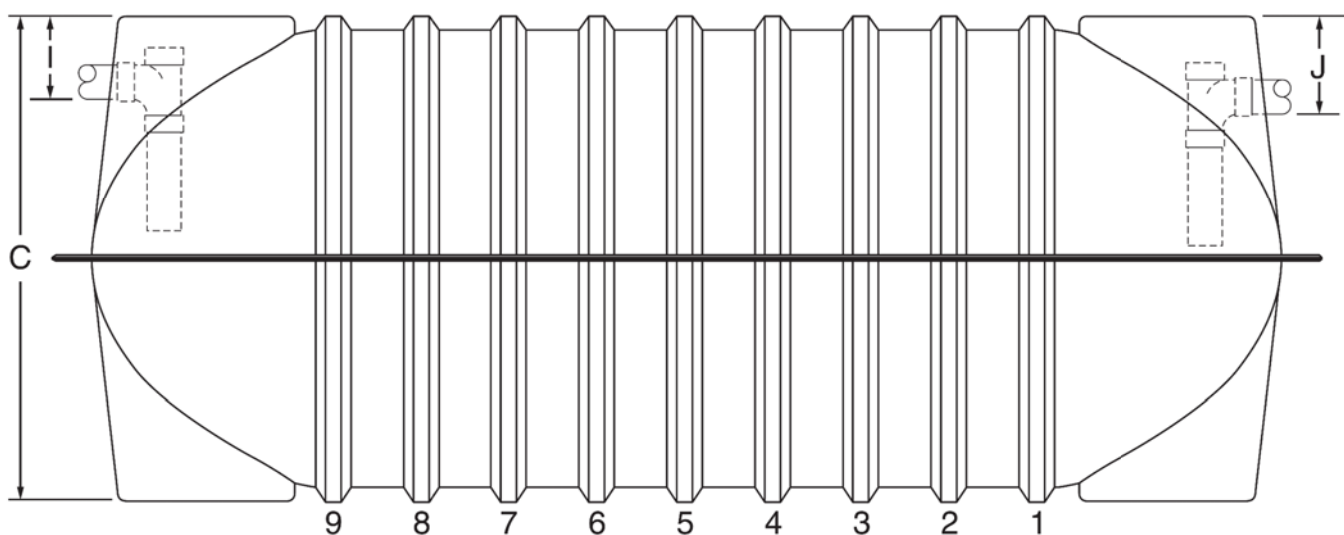




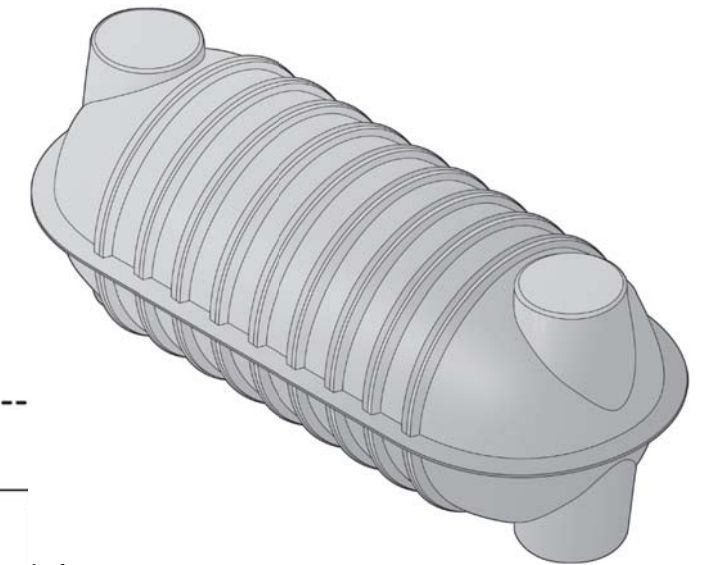
Top View



End View

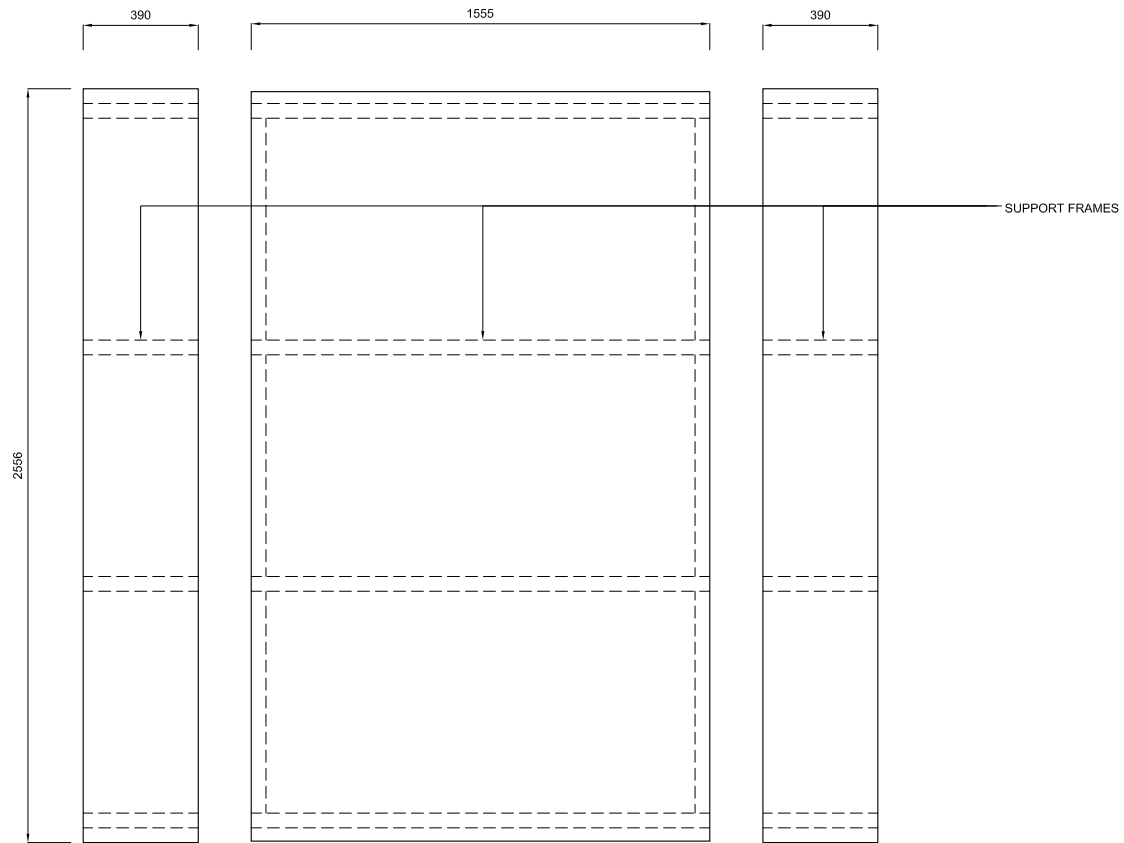


Side View

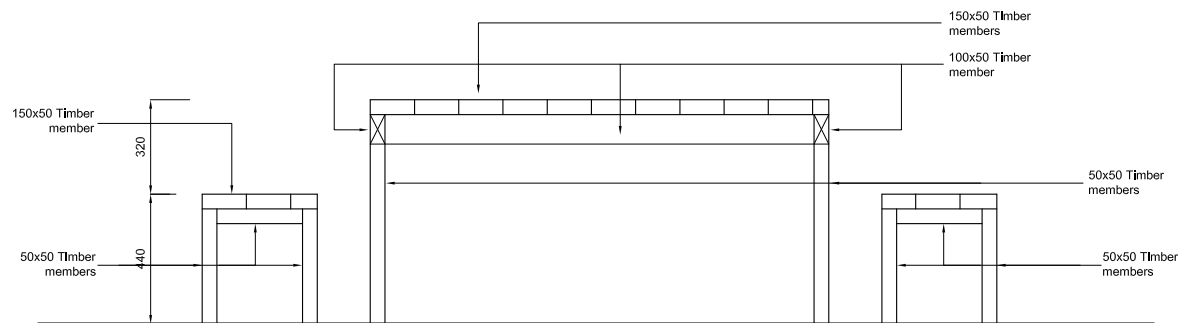


## Specifications

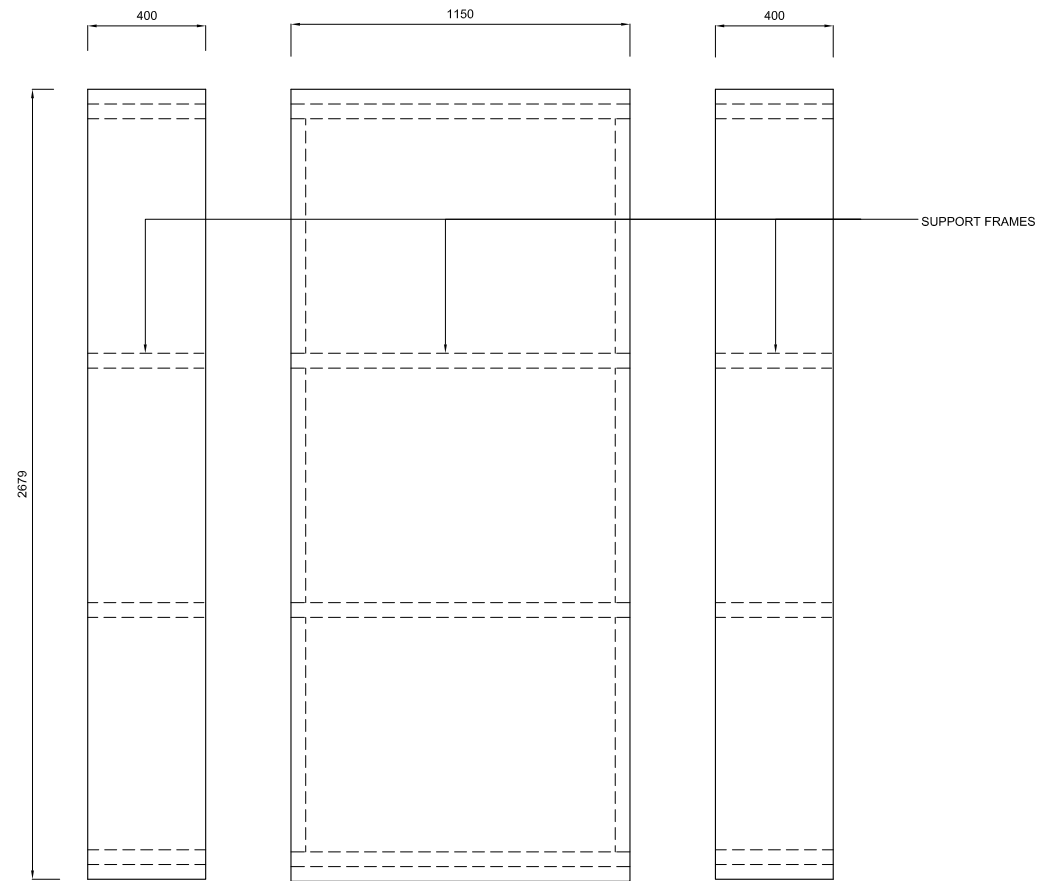
		1500 gal. (5678 L)
Dimensions in inches (and millimeters)		
A	Length	168.0 (4270)
B	Width	72.0 (1830)
C	Height	64.5 (1640)
D	Flange width	5.5 (140)
E	End to center of tank access	21.5 (550)
F	End to first rib	37.0 (940)
G	Rib spacing	11.6 (295)
H	Outside diameter of tank access	23.5 (600)
I	Inlet invert (typical)	11.0 (280)
J	Outlet invert (typical – if used)	13.0 (330)
K	Height to pass-through holes (typ.)**	30.0 (760)
L	Height to top of baffle	60.0 (1520)
M	Pass-through hole diameter	3.0 (76)
N	Riser adapter depth	1.5 (38)
Weight in pounds (and kilograms)		
1-compartment (assembled)		470 (213)
2-compartment (assembled)		500 (227)
Volume in gallons (and liters)		
Volume to typical invert of inlet		1615 (6112)
Volume to typical invert of outlet		1561 (5908)
Total tank volume (approximate)		1800 (6813)



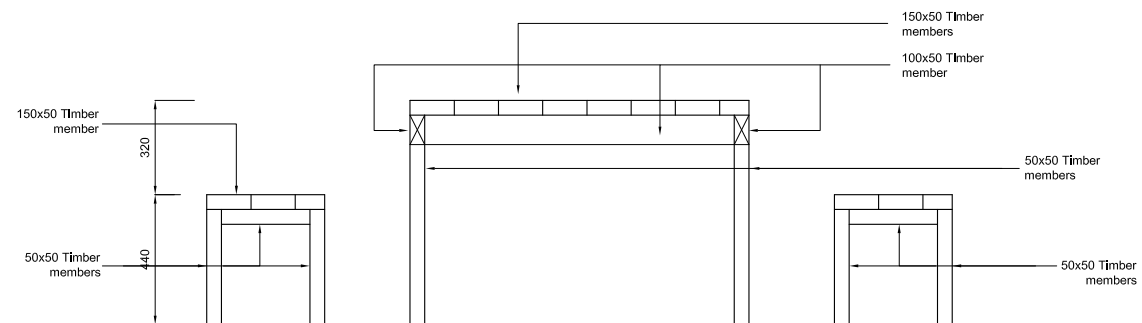
WORKSHOP AREA TABLES AND BENCHES  
PLAN



WORKSHOP AREA TABLES AND BENCHES  
CROSS SECTION



SNACK AREA TABLES AND BENCHES  
PLAN

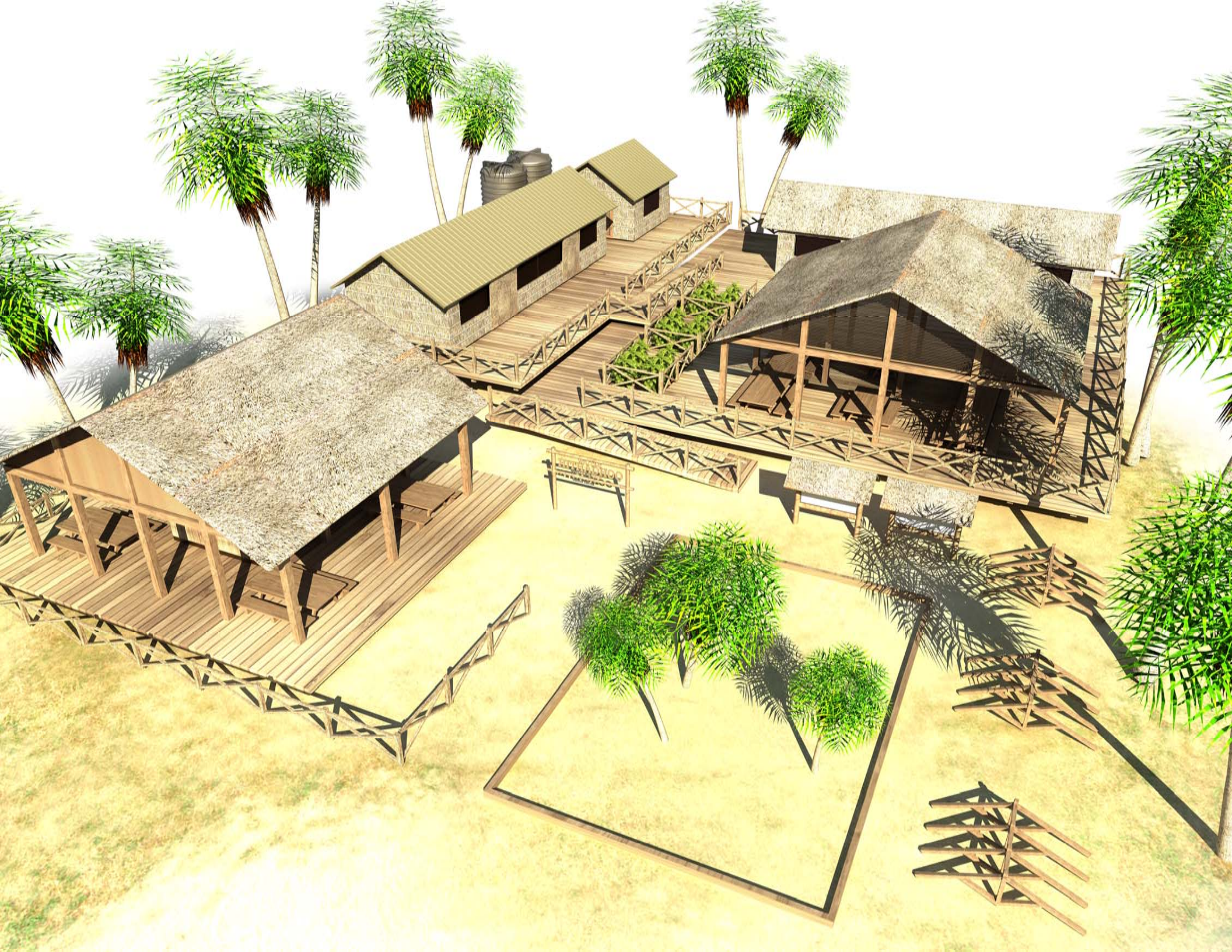


SNACK AREA TABLES AND BENCHES  
CROSS SECTION



# **PERSPECTIVE VIEW OF VISITOR CENTER**



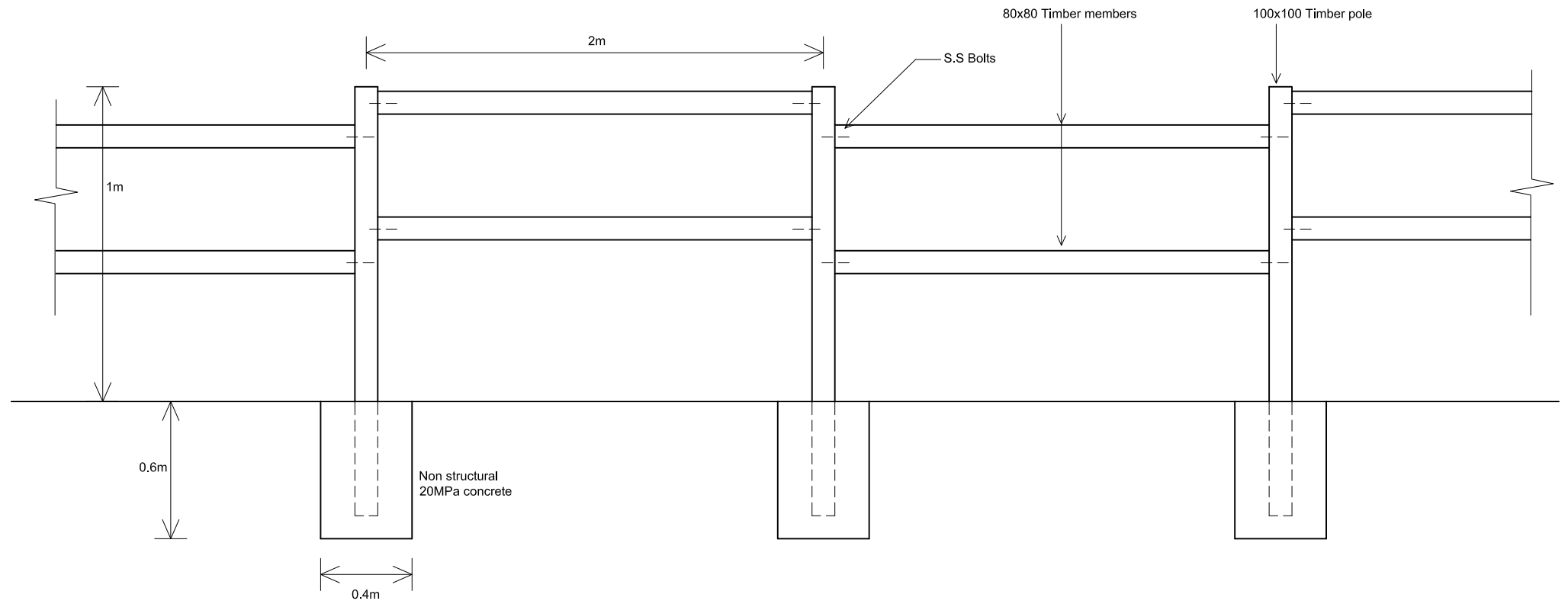




## **ADDITIONAL FENCE LAYOUT**







FENCE DETAIL