

AREA = 8400 SQ.M.

MASTER PLAN

Scale 1:200 A3

JURERY FISH FARM PROJECT JURI AREA-WHITE NILE STATE-SUDAN

Property of:

Juri fishery Project

Content :

SITE PLAN

Design By :

Jan.
2020

Drawn By:

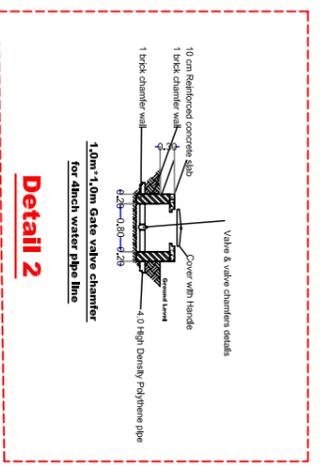
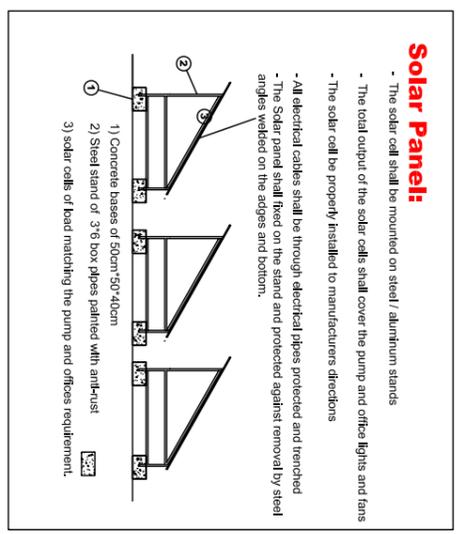
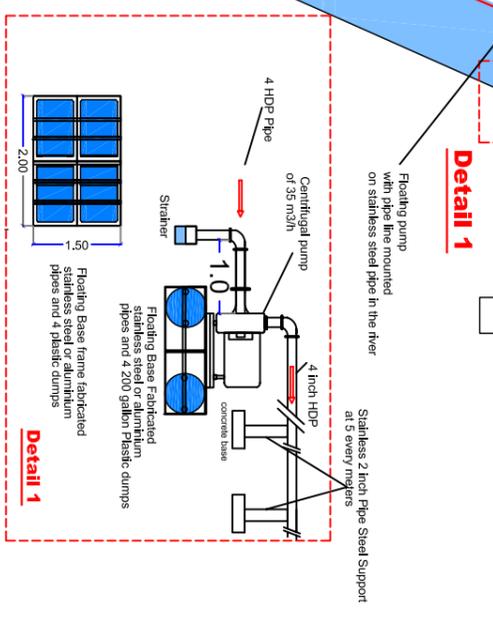
P 1

White Nile River

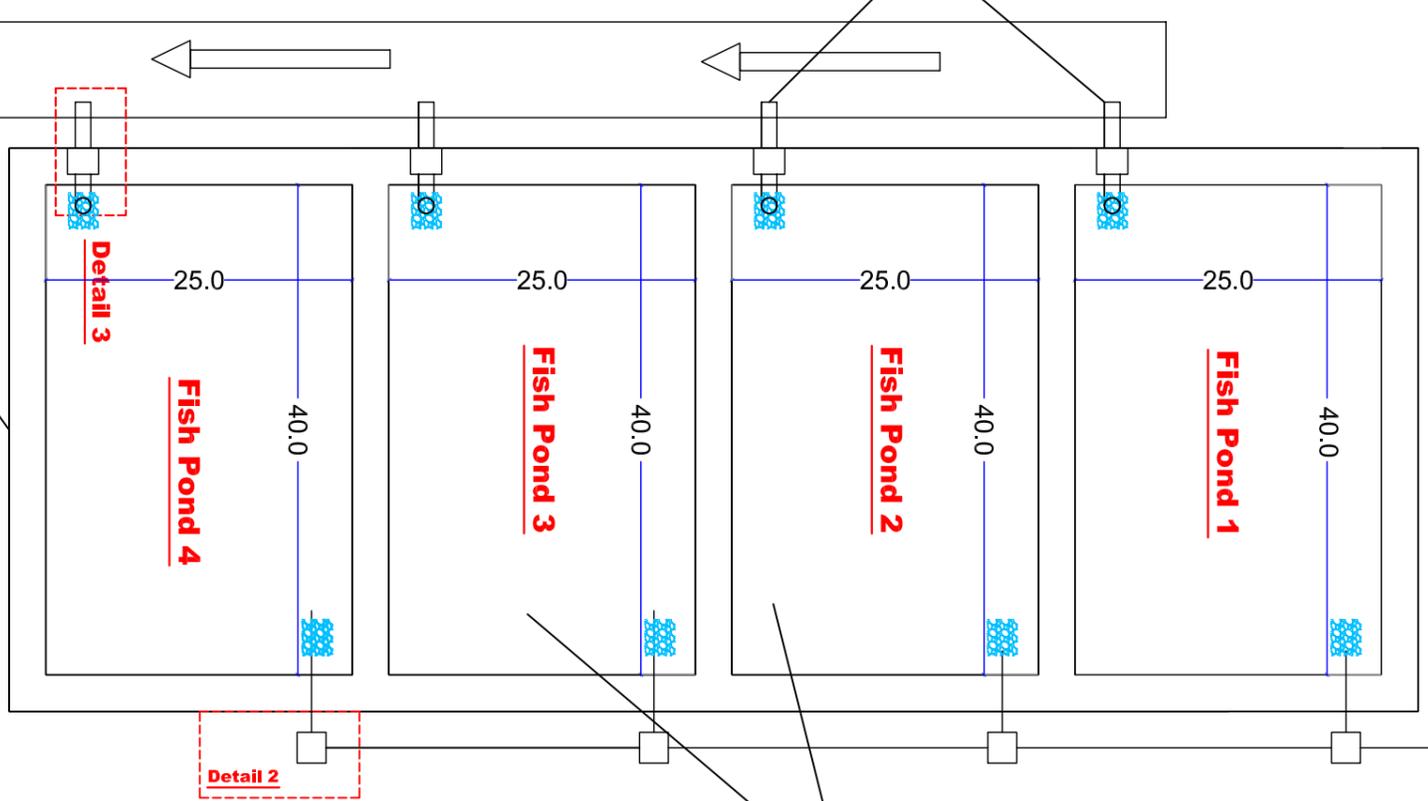
Pump & Pump House & Solar system

4 inch high density pipes
Valves with valve Chamfers of 1.0m*1.0m

The Length of the pipe is around 250 meter

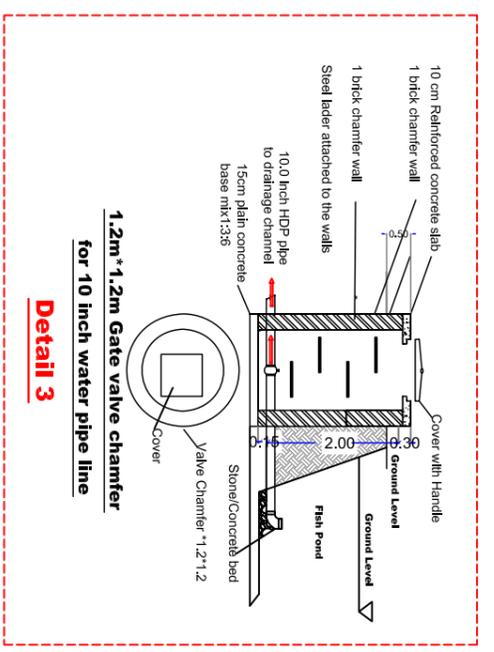
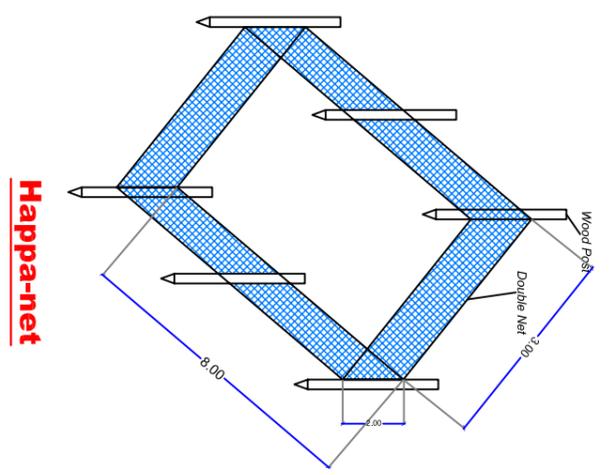


10inch pipes and 6 valves with valve chamfer 1.2 meter diamter



4 fish pond trenches of 40meter*25 meter *1.2 meter depth the bed of the pond shall be sloped toward the drainage pipe.

4 fish pond trenches of 40meter*25 meter *1.2 meter depth



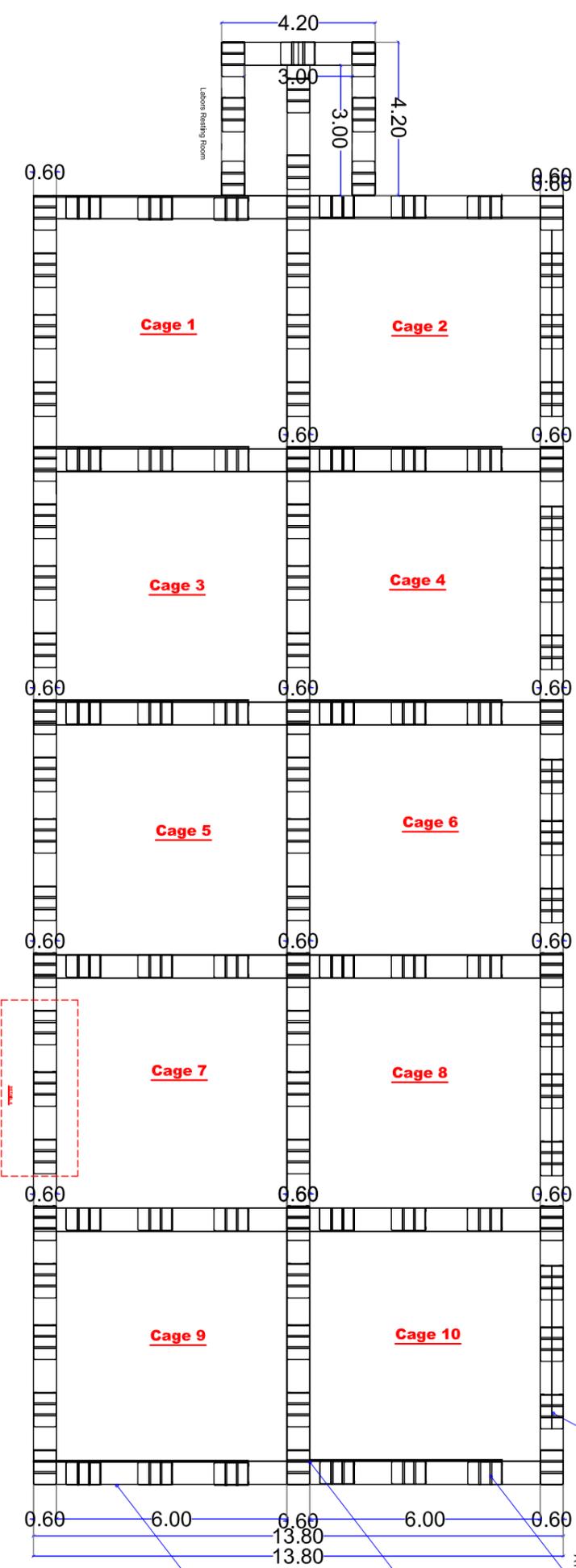
SUDAN
Engineered with
Ethical Standards

GENERAL:

- 1- THIS DRAWINGS MUST NOT BE SCALED.
- 2- THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERS ARCHITECT AND SUB-CONTRACTOR DRAWINGS, DETAILS AND SPECIFICATION.
- 3- THE CONTRACTOR IS TO CHECK AND CONFIRM ALL THE DIMENTIONS AND DETAILS SHOWN ON THIS DRAWING.
- 4- ALL DIMENSIONS IN M. UNLESS NOTED OTHERWISE.

FISH PRODUCTION UN
Steel frame details

Project Name: Jurey Fish Farm Project white Nile State - Sudan
Designer:
Content : Fish Ponds Water Pipe & drainage Plan
Re - Design By : Jan 2020
Drawn By: Engineering Unit
P 2

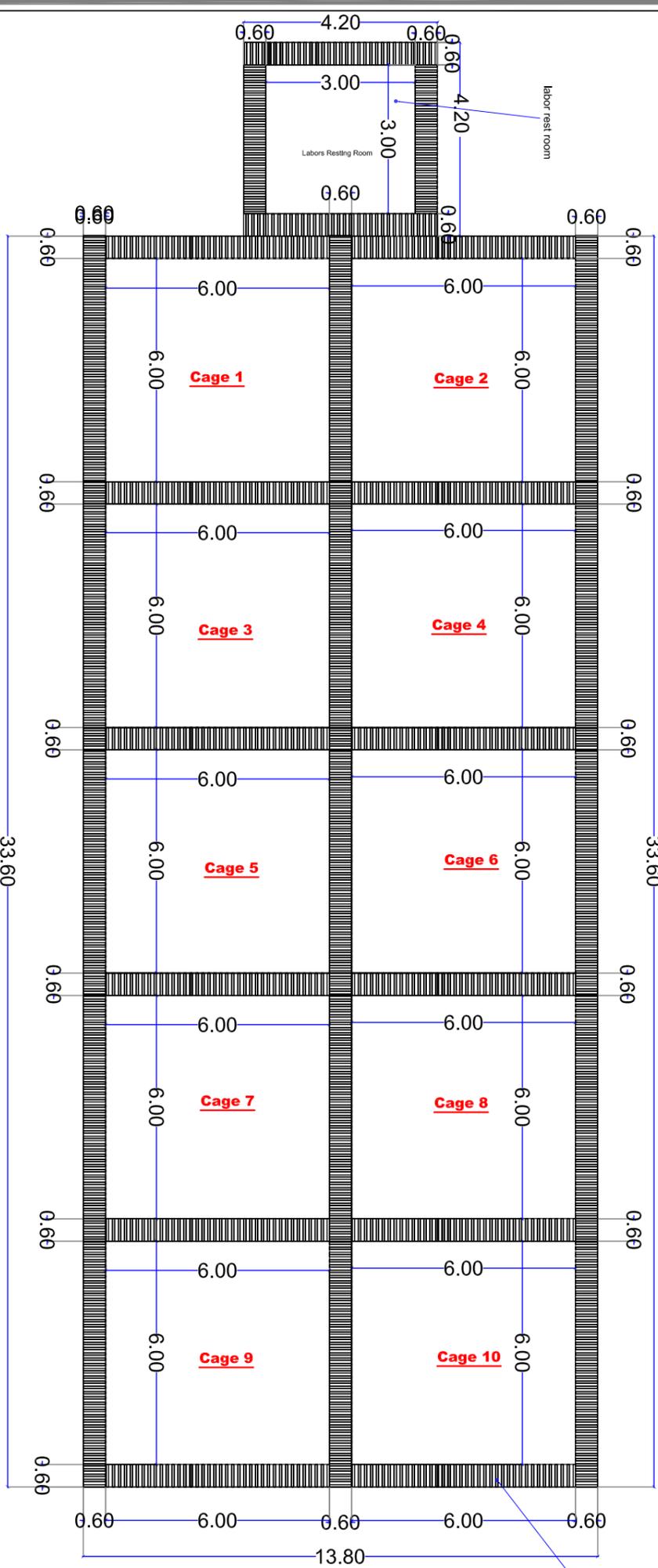


**PLAN VIEW OF FISH PRODUCT UNIT
MAIN FRAME AND DRUMS PLAN**

FABRICATED FROM STEEL BOX PIPES
60 CM PATHWAYS
NO LESS THAN 33 FOR EACH PRODUCTION
ATTACHED TO THE MAIN FRAME BY 2 INCH IRON ANGLES

HEAVY HINGES JOINTS MADE OF
HEAVY STEEL AND 10MM REBARS

THE MAIN FRAME IS FABRICATED OF HEAVY
STEEL BOX PIPE OF 48 PAINTED WITH ANTI RUST
AND FINAL OIL PAINTING



**PLAN VIEW OF FISH PRODUCT UNIT
STEEL FRAME PLAN**

THE PATH WAY IS FABRICATED OF HEAVY
STEEL BOX PIPE OF 48 PAINTED WITH ANTI RUST
AND FINAL OIL PAINTING



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OTHERWISE.

FISH PRODUCTION UN
Steel frame details

Project Name:
Jurey Fish Farm Project
Juri Area
White Nile State - Sudan

Designer:

Content :
Production Unit
Steel Frame Plan

Re - Design By :

Jan
2020

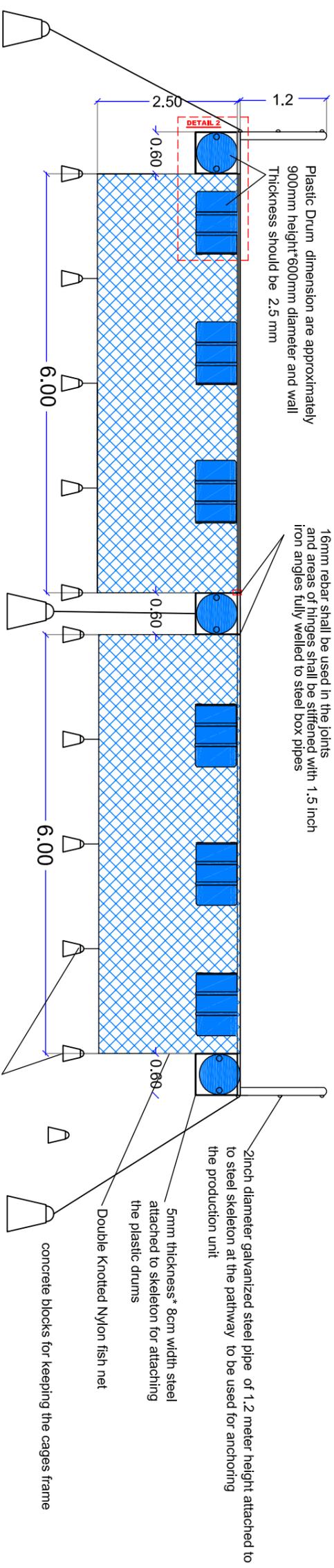
Drawn By:
Engineering Unit

P 3

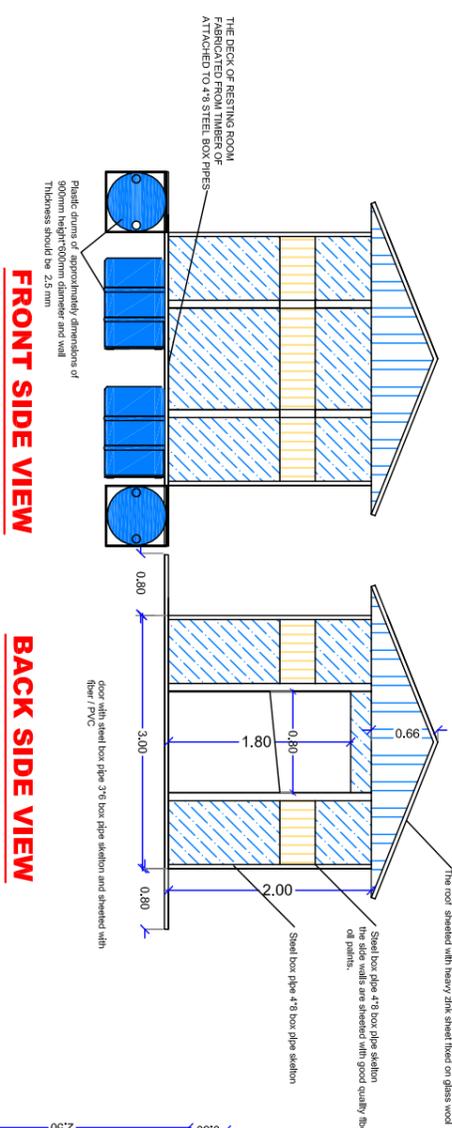
Ground Floor Layout

Scale 1:150 A3

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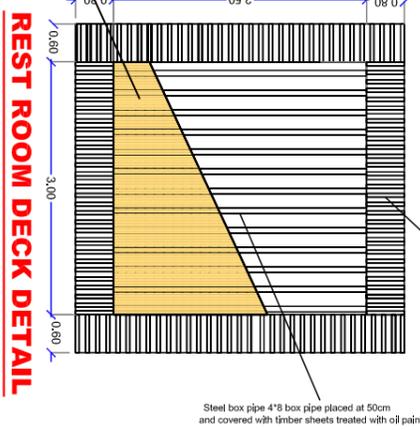


SIDE ELEVATIONAL VIEW OF FISH PRODUCT UNIT

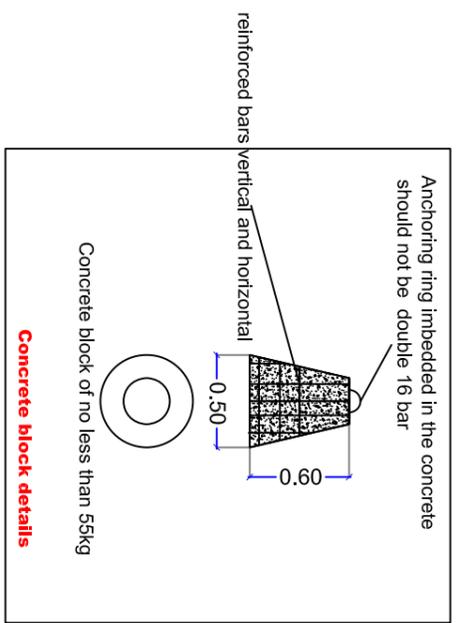


FRONT SIDE VIEW

BACK SIDE VIEW



REST ROOM DECK DETAIL

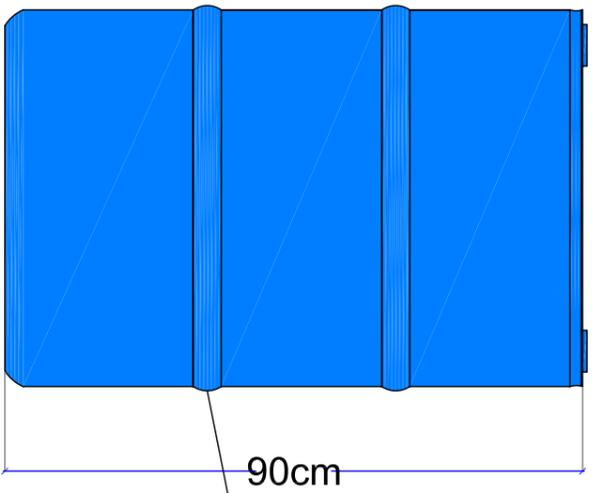


Concrete block details

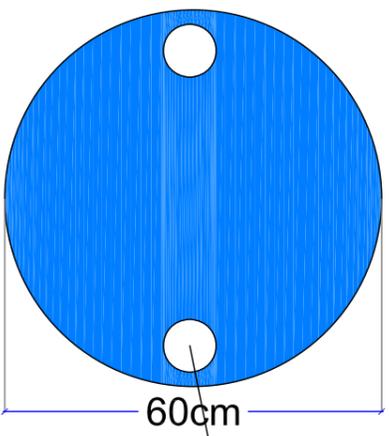
<p>FISH PRODUCTION UN Steel frame details</p>	
<p>Project Name: Jureyry Fish Farm Project</p>	<p>Jureyry Area White Nile State - Sudan</p>
<p>Content : Production Unit Steel Frame & Rest Room</p>	
<p>Re - Design By:</p>	<p>Jan 2020</p>
<p>Drawn By:</p>	<p>P 4</p>

LABOR REST ROOM DETAILS

PLASTIC DRUM DETAILS A



Plastic Drum dimension are approximately 900mm height 600mm diameter and wall thickness should be 2.5 mm

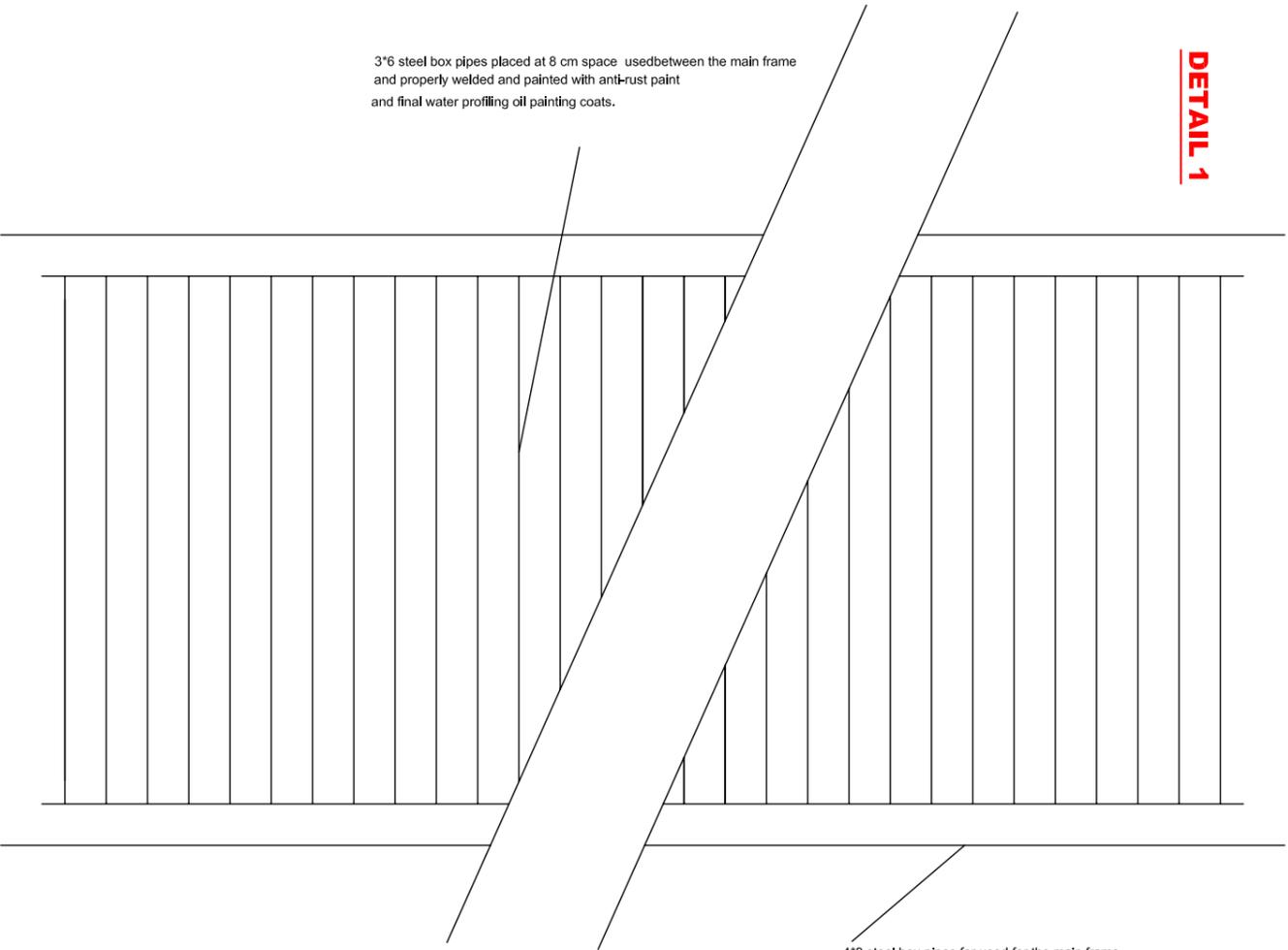


The head lids should be tightly closed and full insulated

DETAIL 2

DETAIL 1

3"6 steel box pipes placed at 8 cm space used between the main frame and properly welded and painted with anti-rust paint and final water proofing oil painting coats.



4"8 steel box pipes for used for the main frame and properly welded and painted with anti-rust paint and final water proofing oil painting coats

DETAIL 4

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NOTE:

- Fcu. = 25 N/mm2, 28 DAYS
- Fy = 460 N/mm2
- Fy = 460 N/mm2
- Overlaps = 50 Bar size
- No Overlaps of steel @ cantilevers areas.
- Concrete Cover : @ Slab=25mm, @ Columns=30mm.
- Concrete Cover : @ Foundations =50mm.
- Max Aggregate Size = 20mm.

FISH PRODUCTION UNIT
Steel frame details

Project Name:
Jureyry Fish Farm Project
Jureyry Area
White Nile State - Sudan

Project Title:

Content : Production Unit

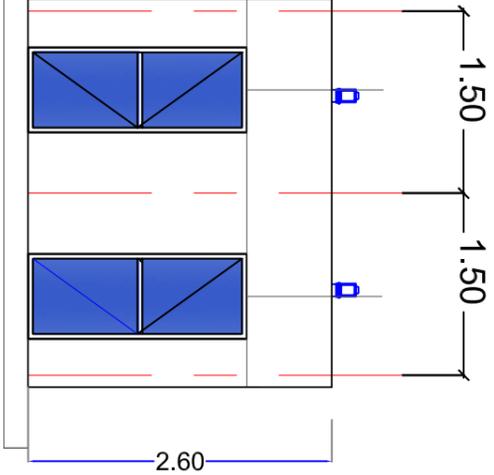
Pathways & Steel drum details

Re - Design By :

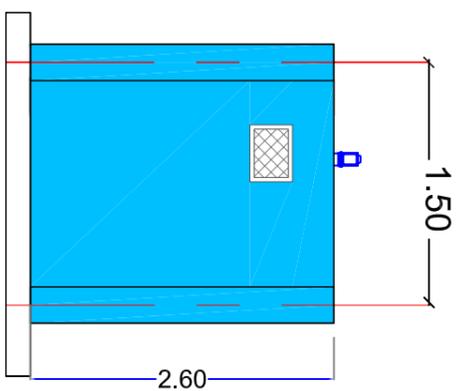
Jan
2020

Drawn By:

P 5



LATRINES FRONT ELEVATION VIEW

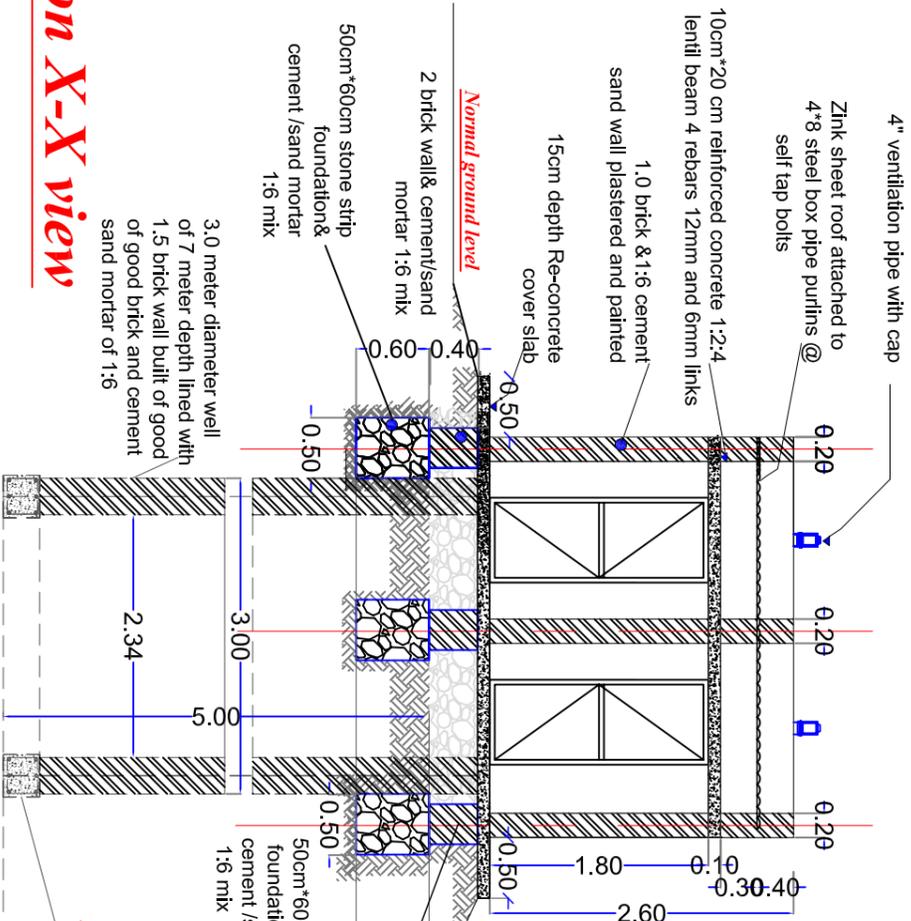


LATRINES SIDE ELEVATION VIEW

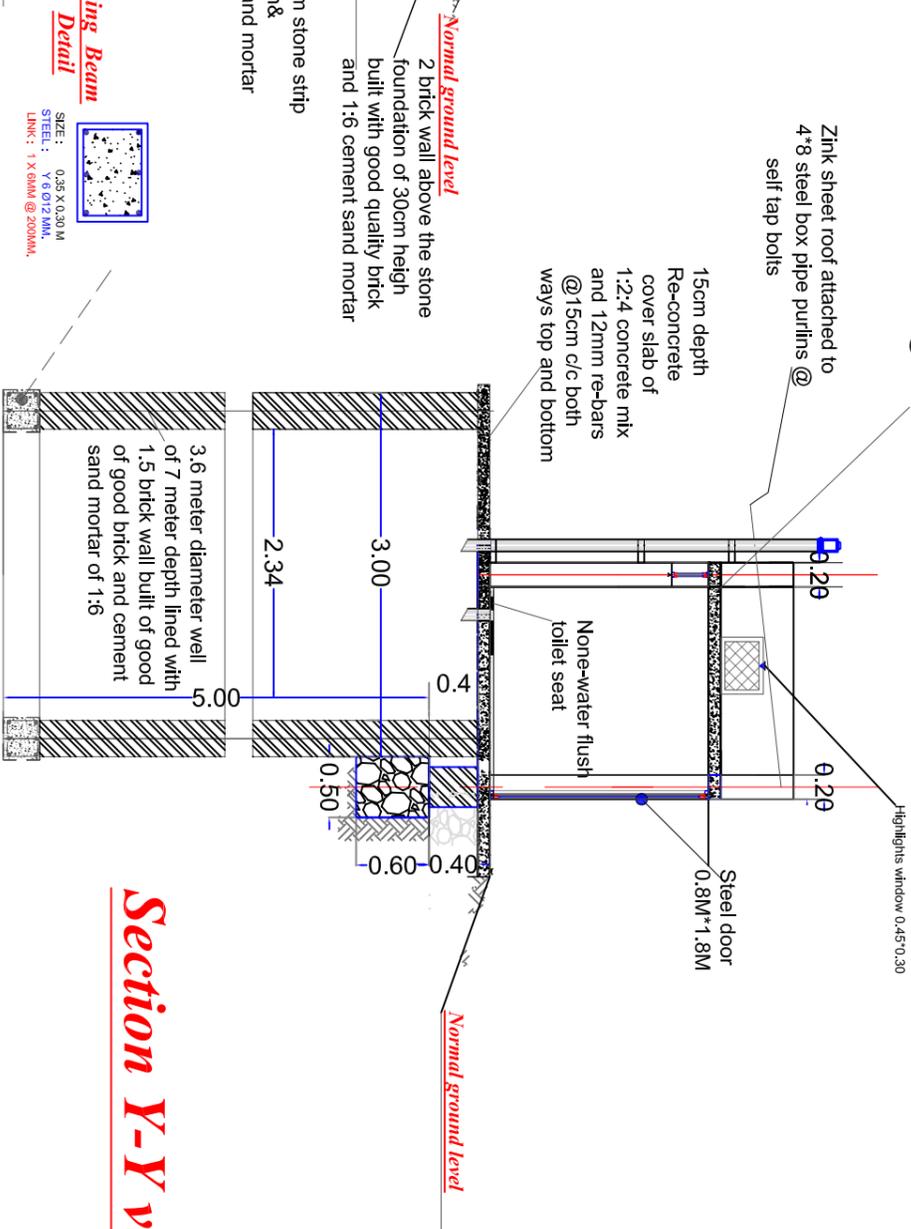
#4 rebar of 10mm diameter with 6 mm links



Lentil Beam Detail

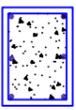


Section X-X view



Section Y-Y view

Ring Beam Detail



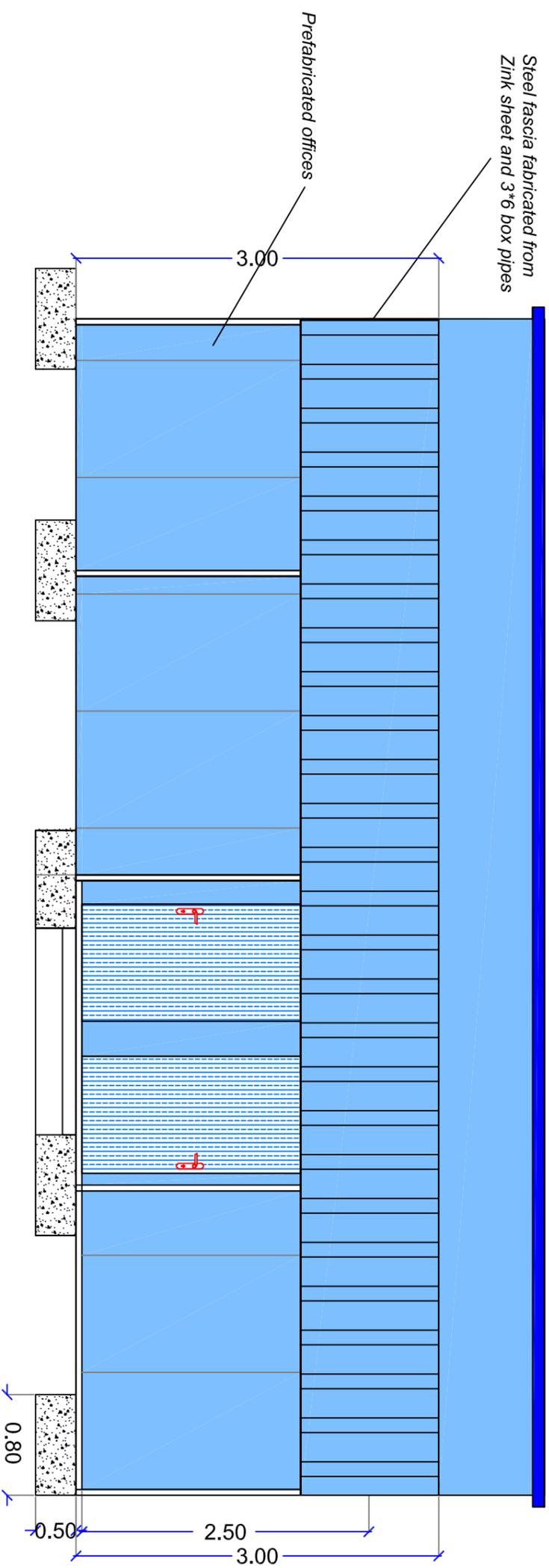
SIZE : 0.35 X 0.30 M
STEEL : Y 6 @12 MM,
LINK : 1 X 6MM @ 200MM.

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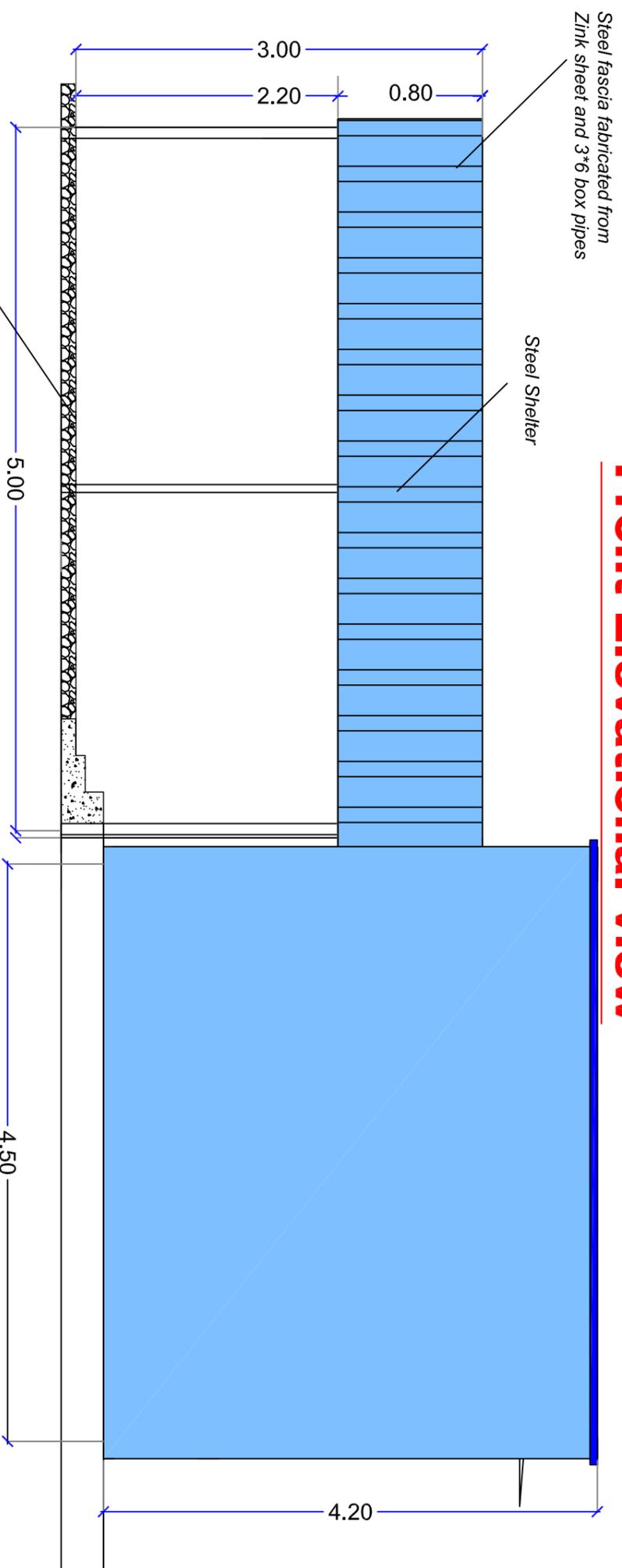
Full = NOT LESS THAN 15 N/mm² FOR 28 DAYS STRENGTH
STEEL fy = 460 N/mm²
Concrete cover shall not be less than 25 mm
Rebar shall be larger than bar size.
- 30% Overlap of steel @ cantilever areas.
- Concrete cover : @ 30mm @ 20mm, @ 10mm @ 20mm.
- Max Aggregate Size = 20mm.

S	Description
	WALL MOUNTED KORK FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWITCH

UNDP SUDAN	
latrines	
2 Rooms latrine	
Agency: UNDP	
DETAILS	Oct 2017
Designed By: L2	



Front Elevation view



Side Elevation view



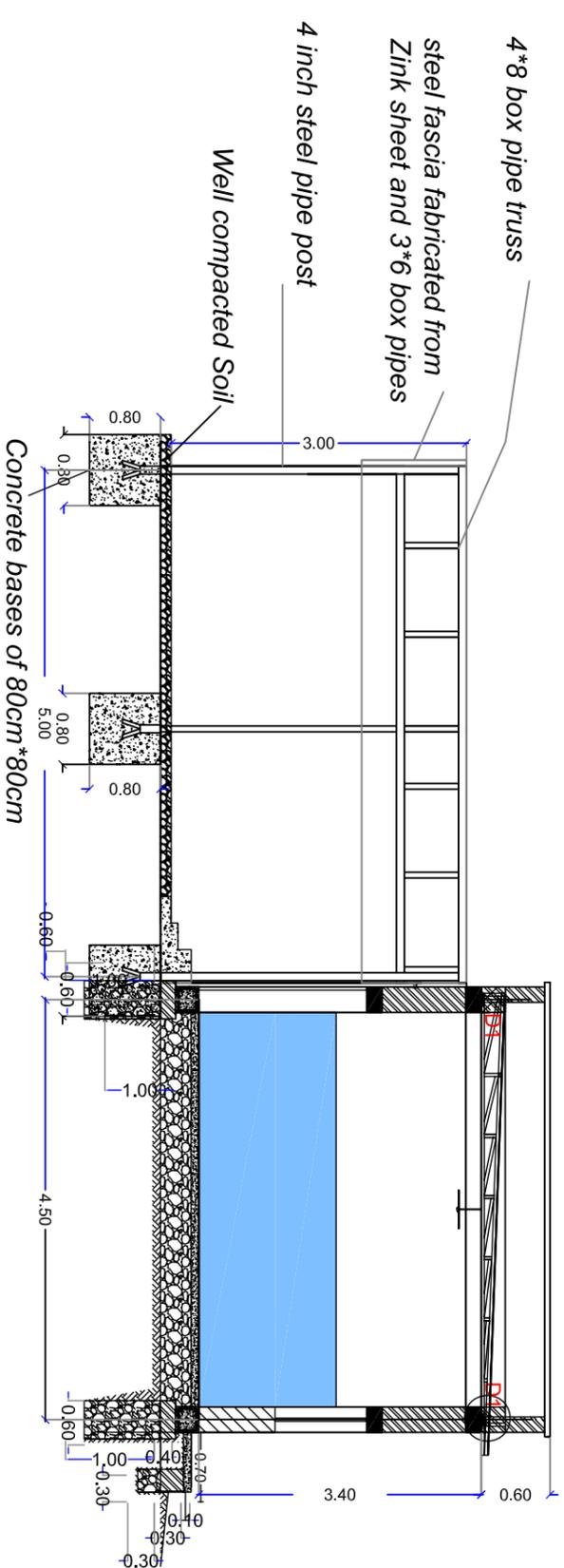
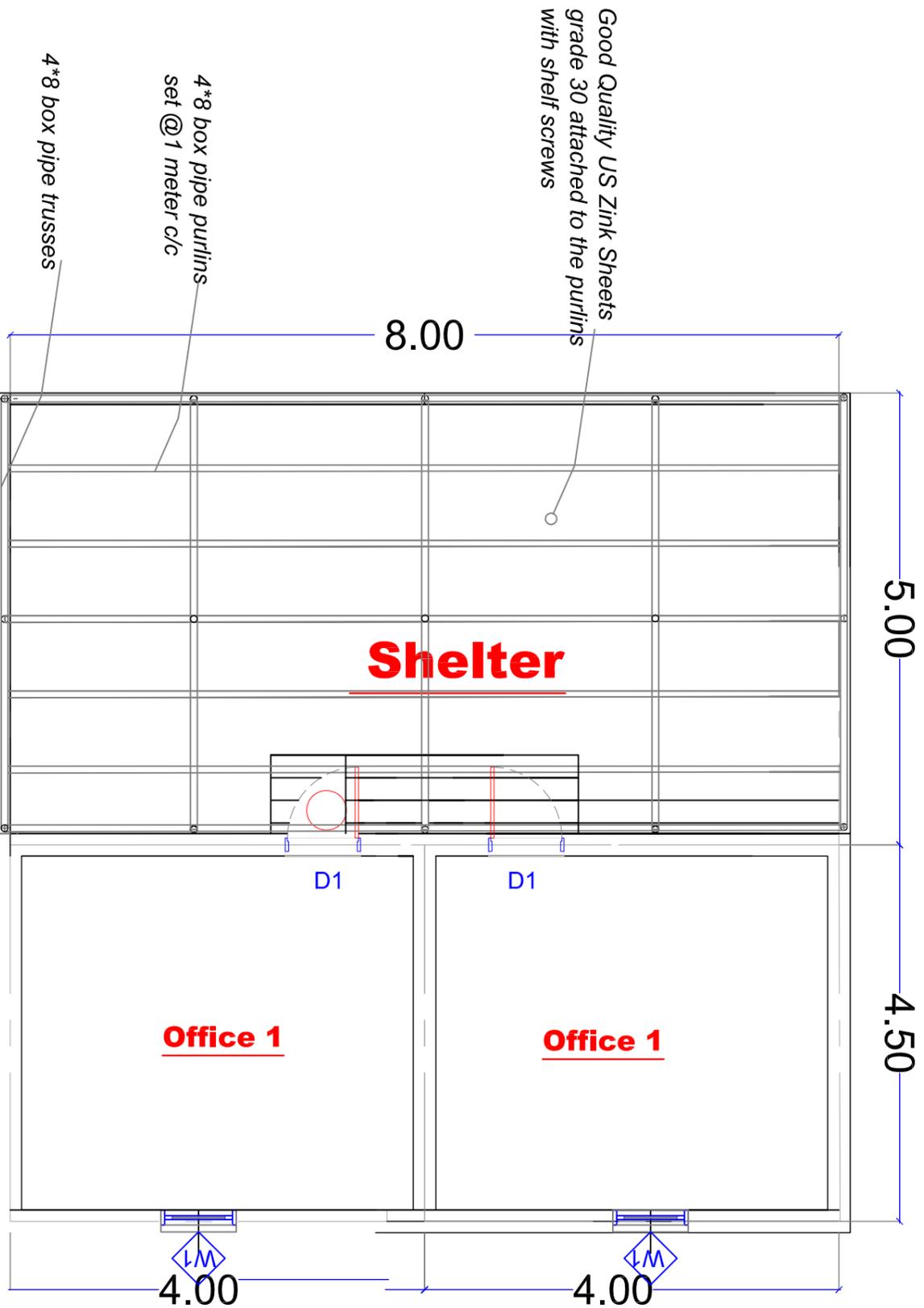
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Project Name:
Jurey Fish Farm Project
 Juri Area
 white Nile State - Sudan

Designer:
 Offices Works Details

Re - Design By :
 Jan
 2020

Drawn By:
 Engineering Unit
01



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 4-ALL DIMENSIONS IN M. UNLESS NOTED OTHERWISE.

FISH PRODUCTION UIN
 Steel frame details

Project Name:
Jurey Fish Farm Project
 Juri Area
 white Nile State - Sudan

Designer:

Content:
 Offices Works Details

Re- Design By:

Jan
 2020

Drawn By:
 Engineering Unit

02

GENERAL:
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FISH PRODUCTION UNIN
 Steel frame details

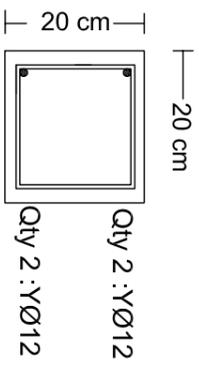
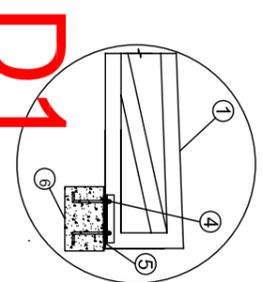
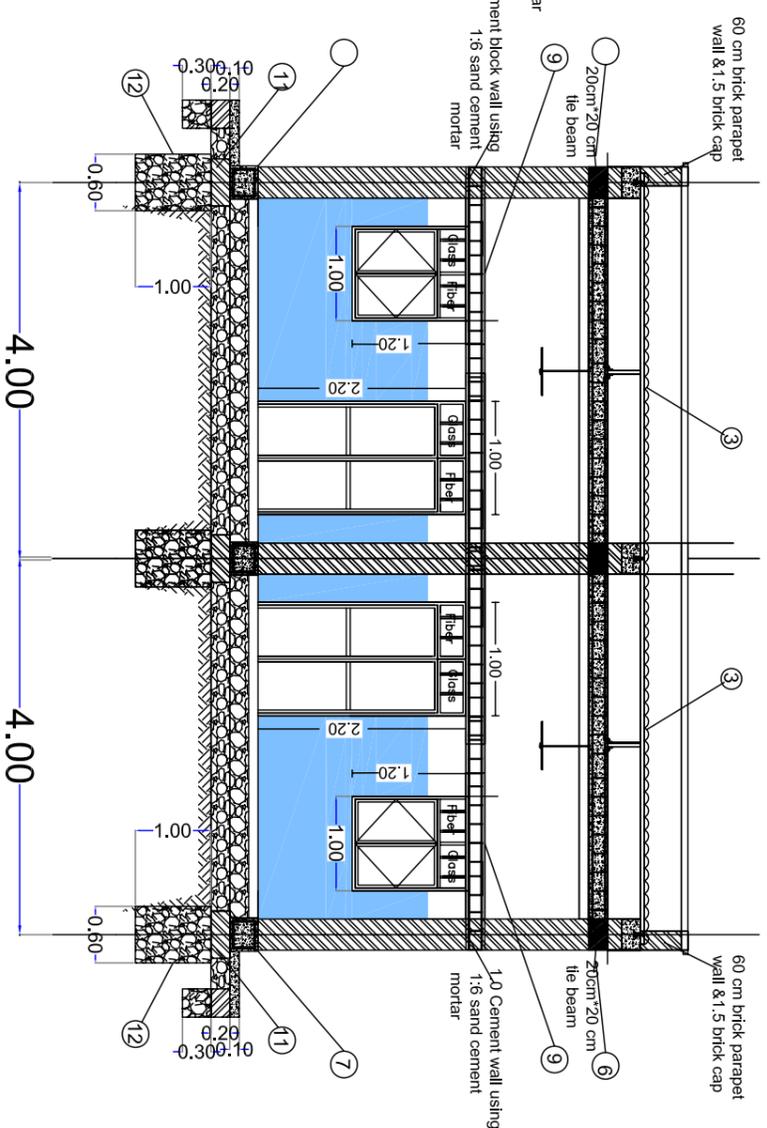
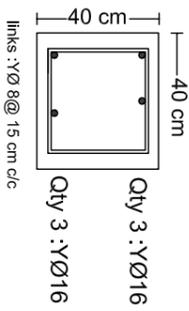
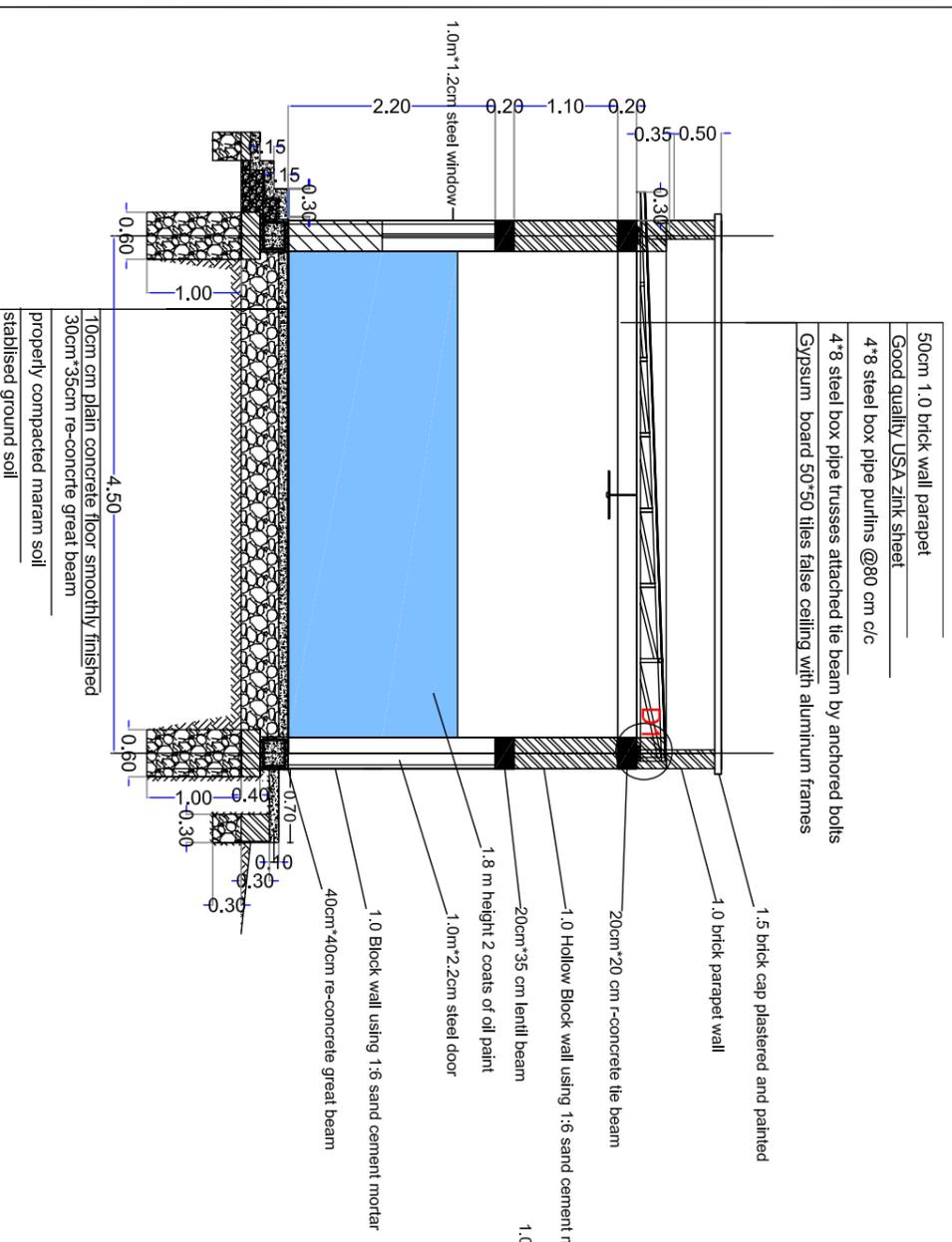
Project Name:
Jureyry Fish Farm Project
 Juri Area
 white Nile State - Sudan

Designer:

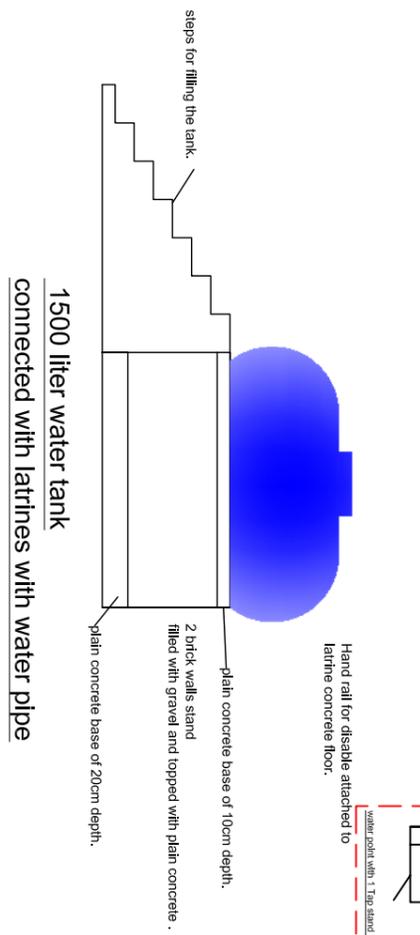
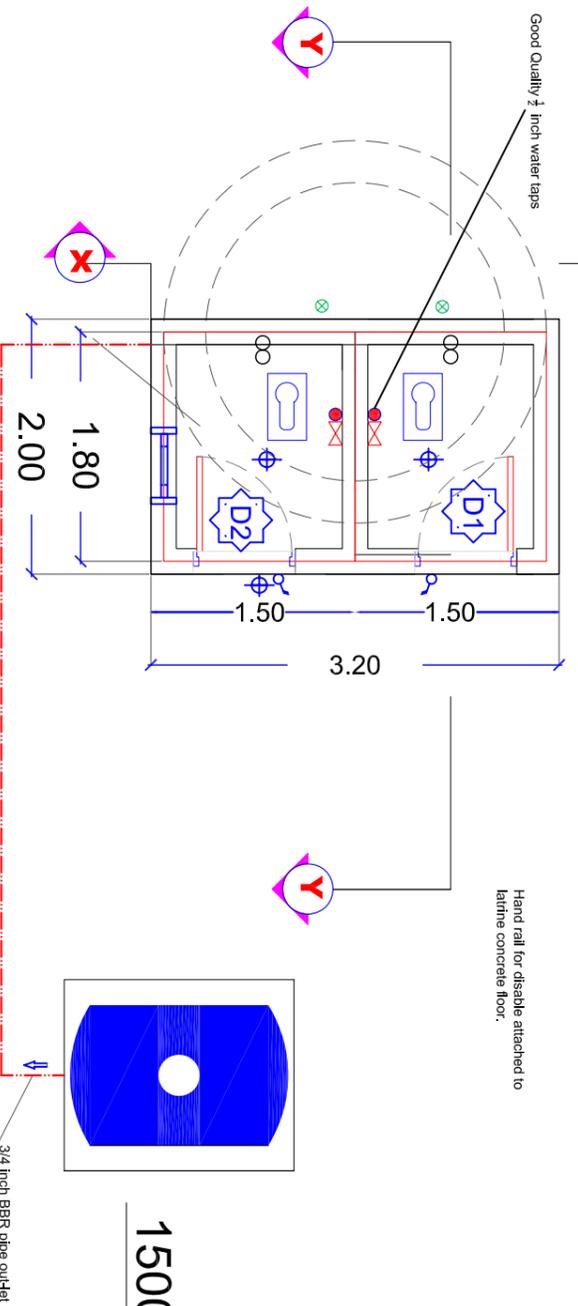
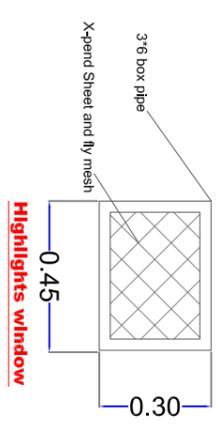
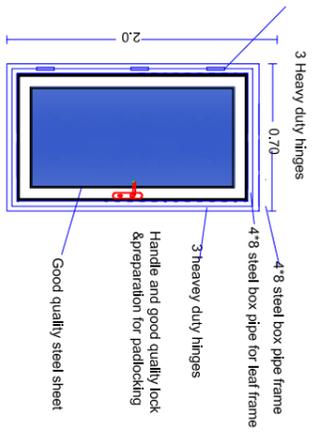
Content :
 Offices Works Details

Rc - Design By :
 Jan 2020

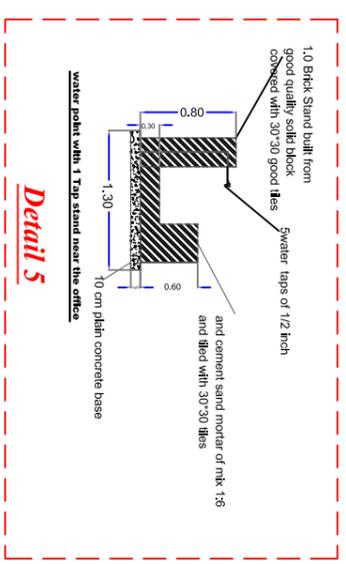
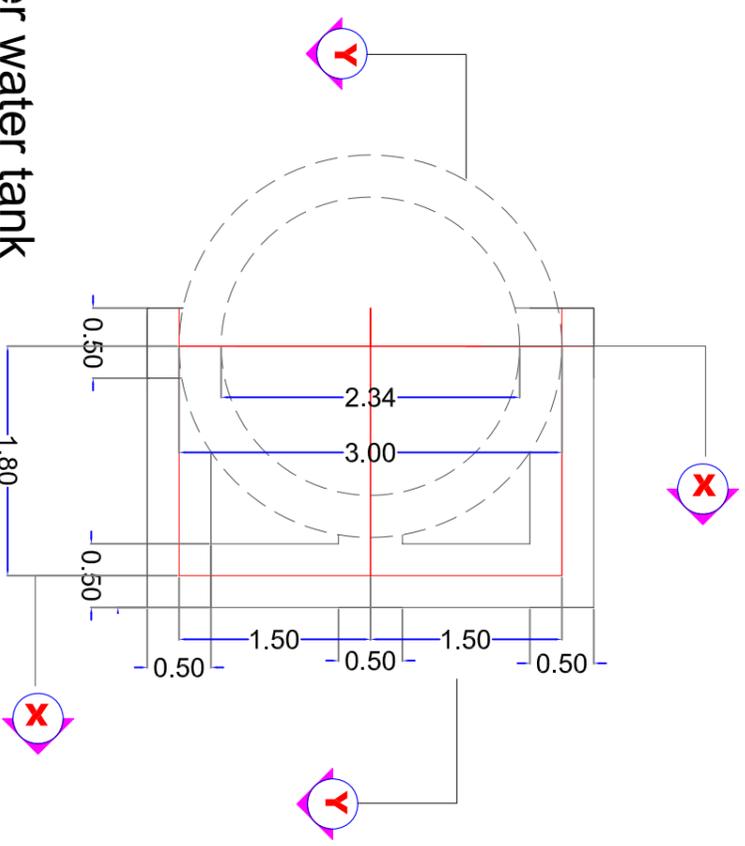
Drawn By:
 Engineering Unit **03**



- ① 40mm steel box truss attached to tie beam
- ② Via 12 mm diameter 12 cm long anchors
- ③ 3mm Diameter and 12 cm long anchors embedded in beam concrete.
- ④ 5mm thickness steel plate bolted to the great beam
- ⑤ 20cm x 20cm Rc-Concrete tie beam



1500 liter water tank



SYMBOL	DESCRIPTION
●	Ø 1 1/2" BBR PIPE FOR FRESH WATER
⊗	Ø 4" UPVC VENTILATION PIPE
○	Ø 2" UPVC WASTE WATER PIPE
⊗	COLD WATER 1/2" TAP
P	PPA
—	Ø 4" UPVC SOIL WATER PIPE
—	Ø 3/4" G.S PIPE FOR FRESH WATER
—	Ø 2" UPVC WASTE WATER PIPE

ELECTRICAL SYMBOL KEY:	
S	Description
∞	EXHAUST FAN
⊖	2 ft SINGLE FLOURECENT LAMP
⊖	4 ft SINGLE FLOURECENT LAMP

ELECTRICAL KEY	
S	Description
✱	WALL MOUNTED KIKI FAN
⊖	SOCKET OUTLET
⊖	WALL MOUNTED LAMP
⊖	DOUBLE ONE WAY SWITCH

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FCU = NOT LESS THAN 15 N/mm² FOR 18 DAVIS STRENGTH
STEEL P = 410 N/mm²
Concrete should not be less than 25 times larger than bar size.
- No. Overlaps of steel @ cantilevers areas.
- Concrete Cover : @ Siskel & Symm, @ footing=50mm, - Max Aggregate size = 20mm.

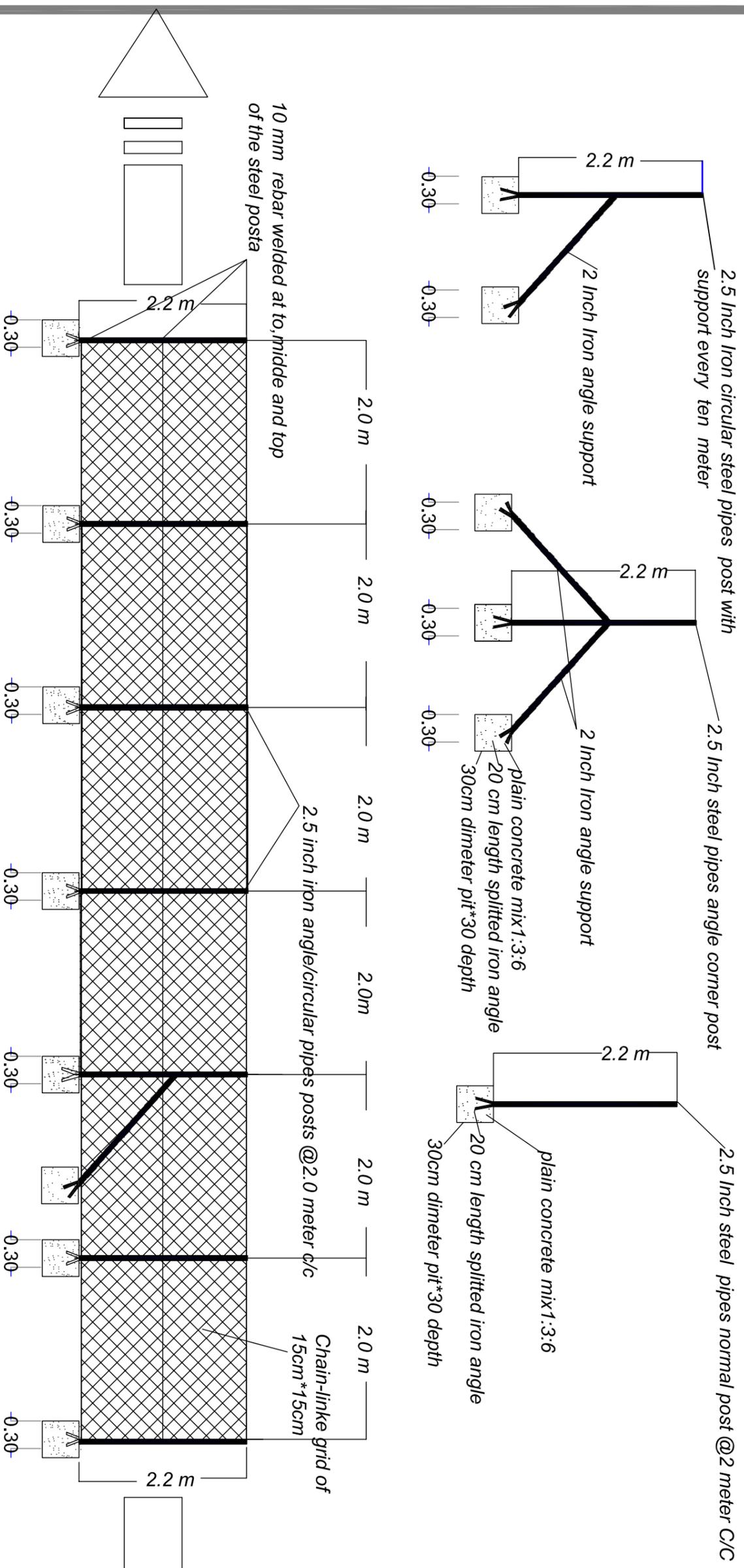
UNDP SUDAN
latrines
2 Rooms latrine

Agency:

Content: **DETAILS**

Jan 2020

Designed By: **L1**



NOTE:

All steel work shall be painted with antirust paint and final paints

Project :

Juri fishery Project

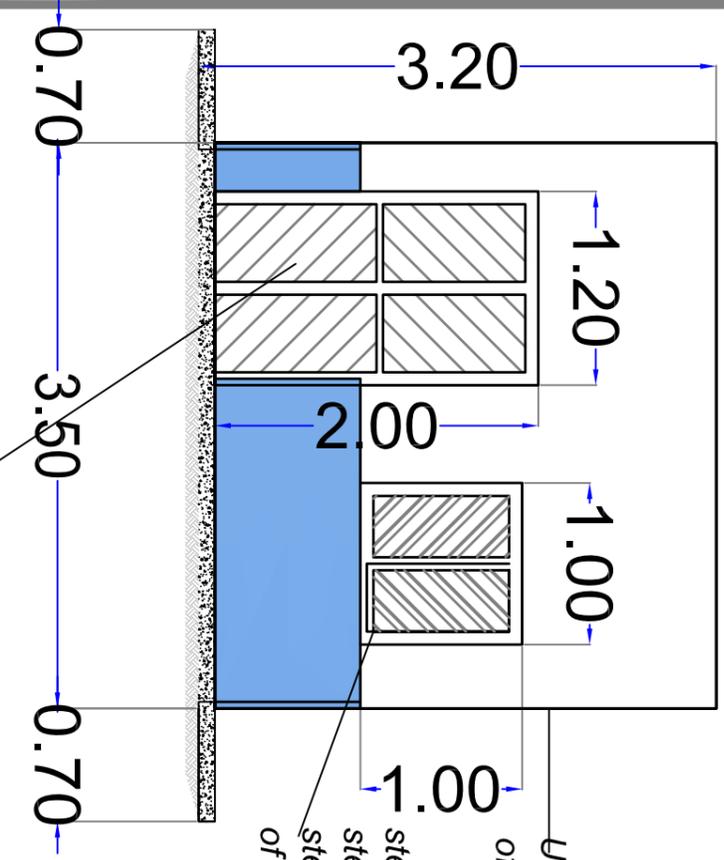
Content :

Fence Steel frame details

Drawn By:

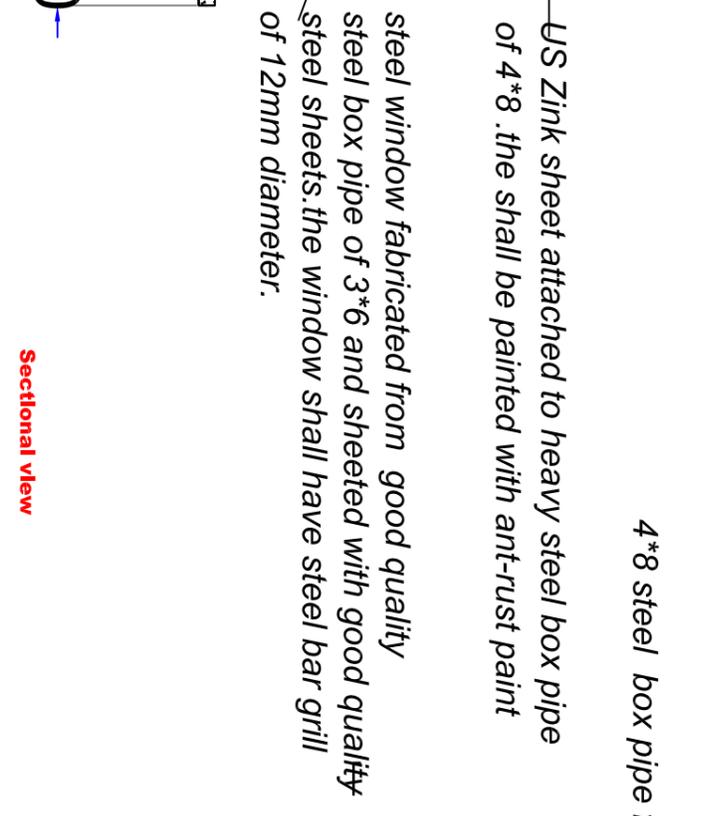
Jan
2020

F 1



Main View

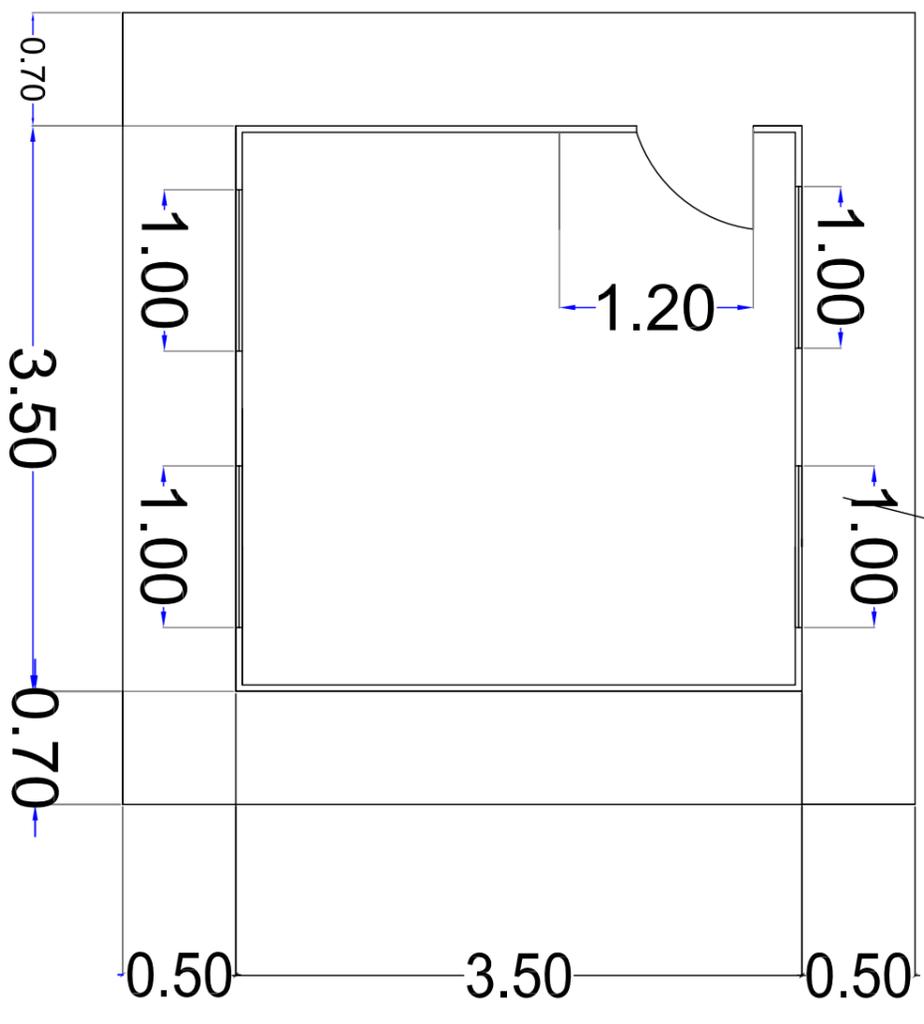
Steel door: the outer frame is fabricated from good quality steel box pipe of 4*8 and inner frame from 3*6 box pipe frame and sheeted with good quality steel sheets.



Sectional view

US Zink sheet attached to heavy steel box pipe of 4*8. the shall be painted with ant-rust paint
 steel window fabricated from good quality steel box pipe of 3*6 and sheeted with good quality steel sheets. the window shall have steel bar grill of 12mm diameter.

4*8 steel box pipe frame



10 cm depth platform of plain concrete

NOTE:

All steel work shall be painted with antirust paint and final paints

PLAN
Generator Room

SUDAN

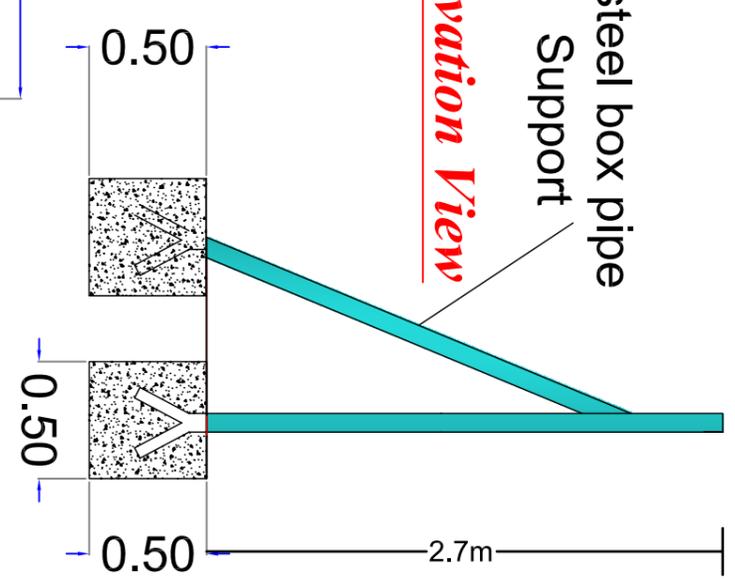
Project :		Juri fishery Project
Content :		Generator Room
Drawn By:	Jan	2020
		F 3

Note:

- The steel frame and the steel sheet shall be of good quality
- The steel frame and the sheet shall be painted with antirust and final coats
- The contractor shall properly write and draw as indicated in the BoQ

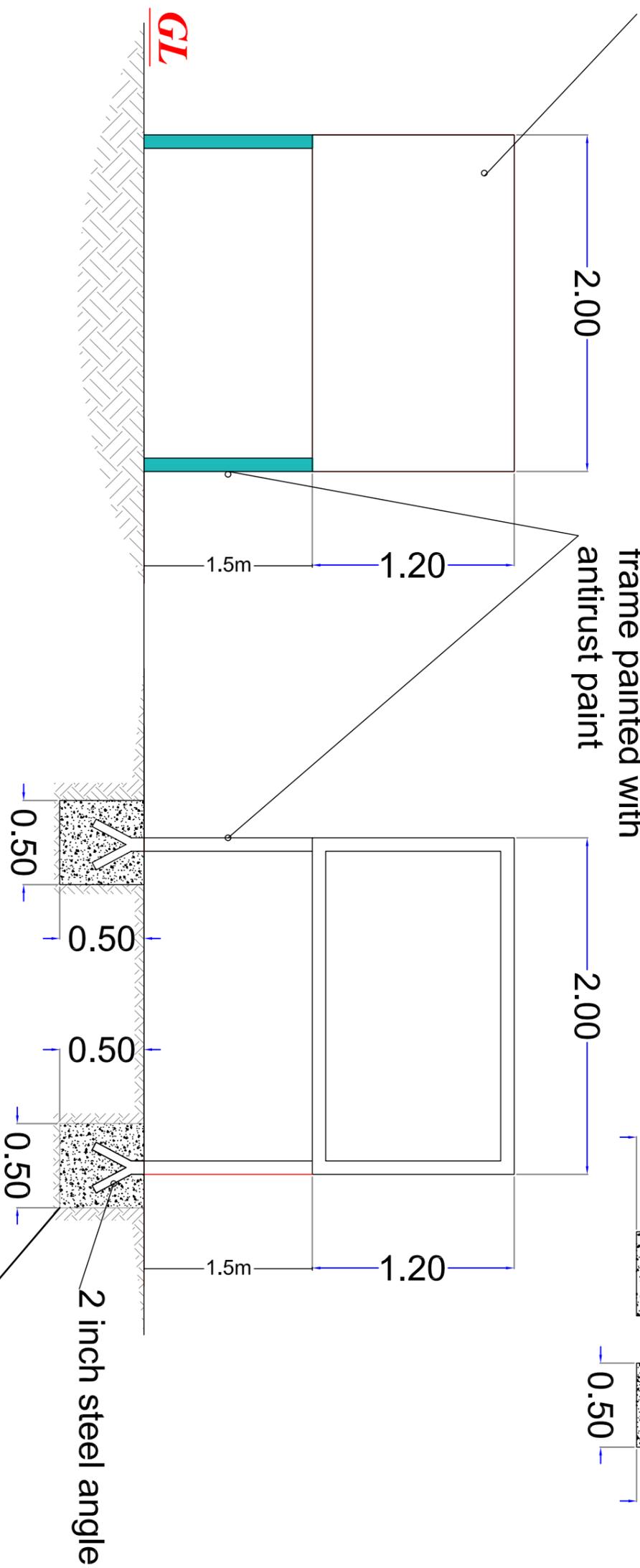
4*8 steel box pipe
Support

Side Elevation View



Heavy steel sheet fully welded to
4*8 steel box pie frame

4*8 steel box pipe
frame painted with
antirust paint



Front Elevation View

Rear Elevation View

Plan concrete

NOTE:

All steel work shall be painted with antirust paint and final paints

GENERAL:
1- All steel members shall be are of good quality heavy steel (Black type).
2- all steel rememblers shall be painted with antirust paints and final coats
3-the plain concrete is of 1:3:6 mix and shall be treated properly with water
4-All dimensions are in meter unless otherwise stated

Project Name:

Juri fishery Project

Content:

Sign Broad Details

Content:

UNDP-C2SP

Drawn By:

UNDP-C2SP

Jan
2020

S 1



Sample of double happa-net (For Illustration only).



Sample fixed of happa-net (For Illustration only).



Sample Cages Unit: (For Illustration only).