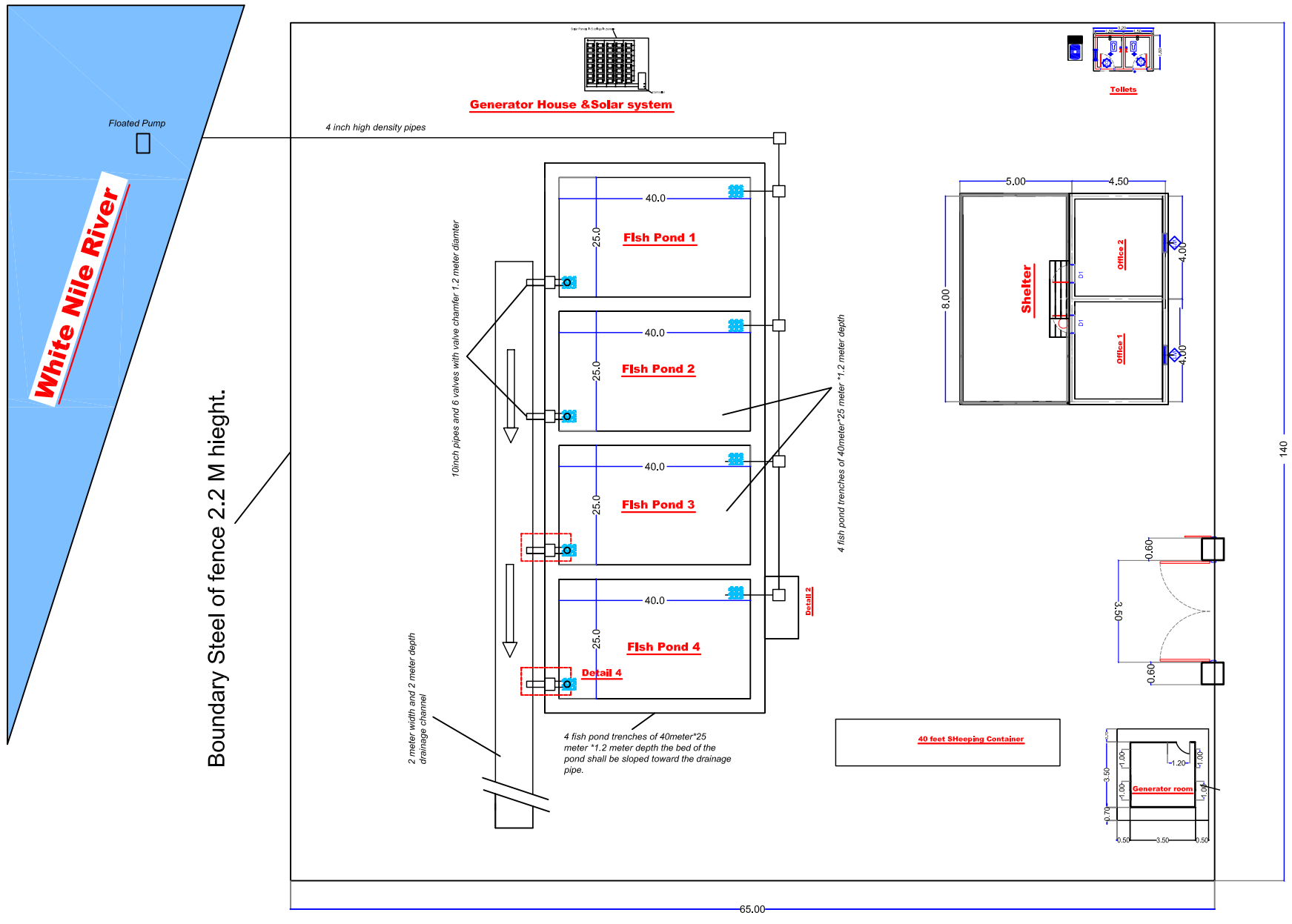


AREA = 8400 SQ.M.

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 :

Drawn By:

Jan. 2020

P 1

Pump & Pump House &Solar system

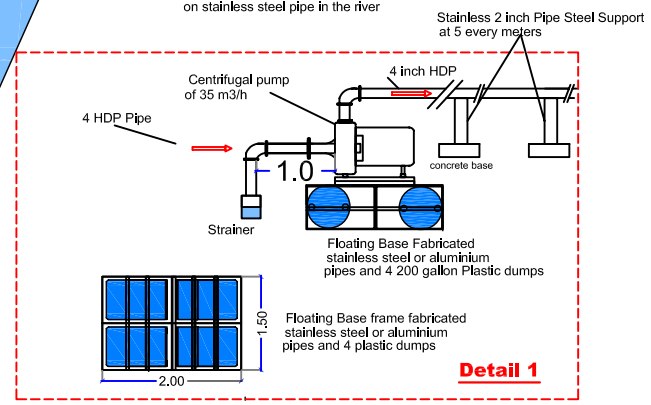
White Nile River

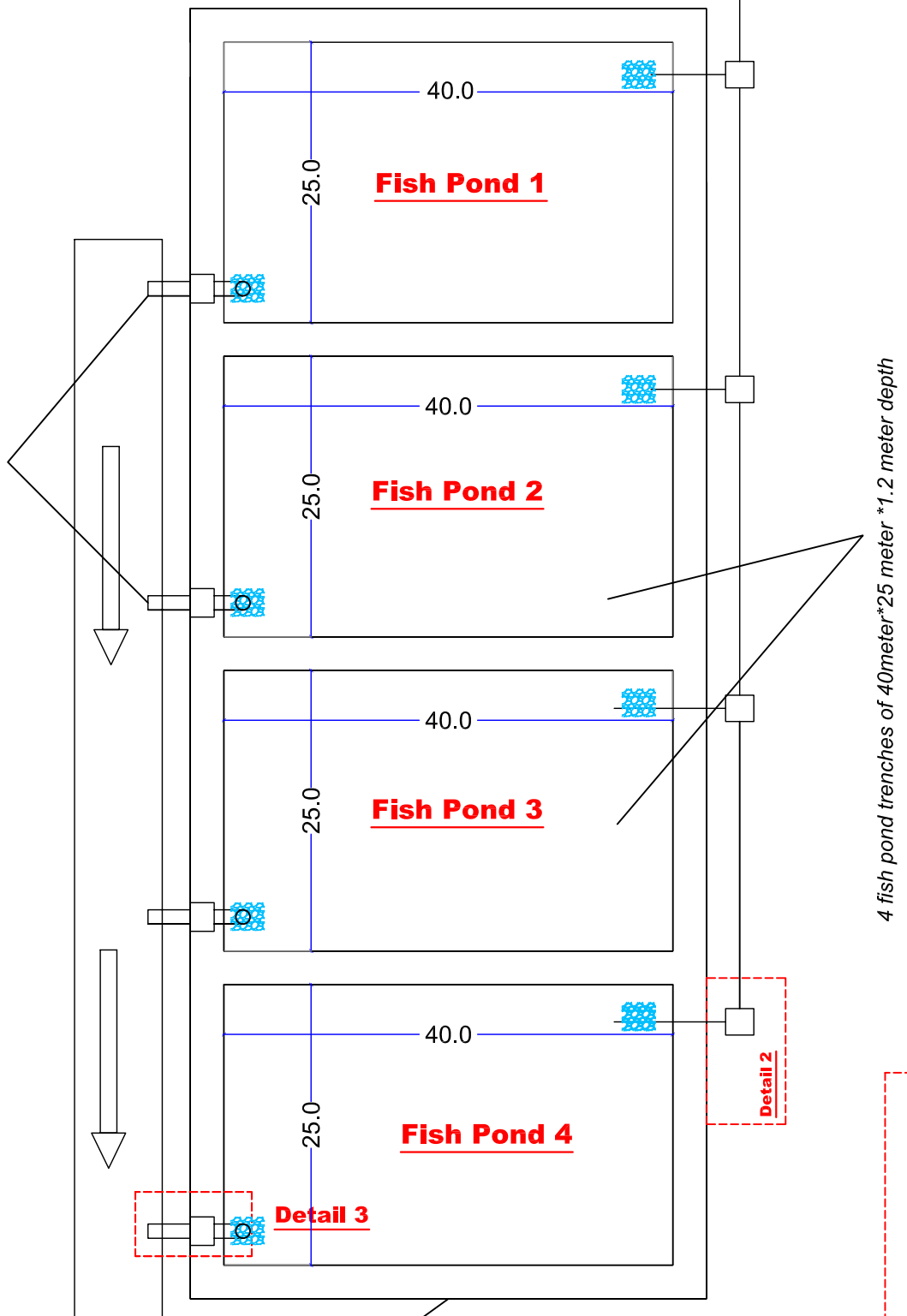
4 inch high density pipes

*Valves with valve Chamfers of 1.0m*1.0m*

The Length of the pipe is around 250 meter

Detail 1



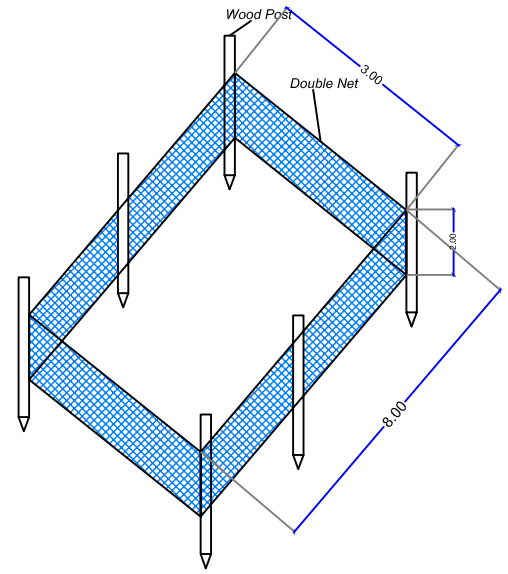


10inch pipes and 6 valves with valve chamfer 1.2 meter diamter

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

2 meter width and 2 meter depth drainage channel

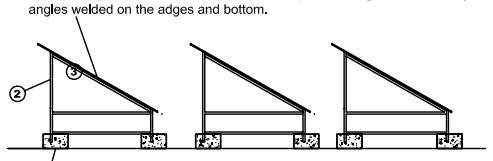
*4 fish pond trenches of 40meter*25 meter *1.2 meter depth the bed of the pond shall be sloped toward the drainage pipe.*



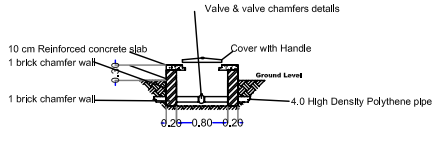
Happa-net

Solar Panel:

- The solar cell shall be mounted on steel / aluminum stands
- The total output of the solar cells shall cover the pump and office lights and fans
- The solar cell be properly installed to manufacturers directions
- All electrical cables shall be through electrical pipes protected and trenched
- The Solar panel shall fixed on the stand and protected against removal by steel angles welded on the adges and bottom.

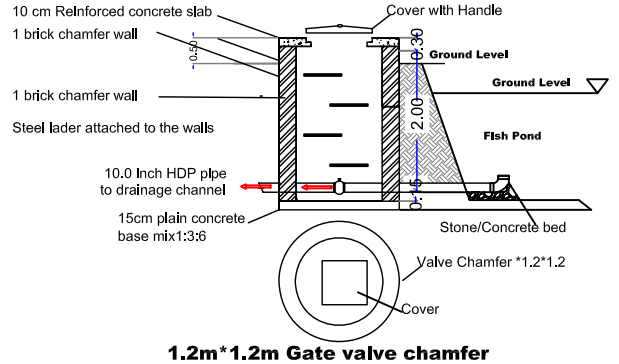


1) Concrete bases of 50cm*50*40cm
2) Steel stand of 3*6 box pipes painted with anti-rust
3) solar cells of load matching the pump and offices requirement.



1.0m*1.0m Gate valve chamfer
for 4inch water pipe line

Detail 2



1.2m*1.2m Gate valve chamfer
for 10 inch water pipe line

Detail 3

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FISH PRODUCTION UIN

Steel frame details

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

Designer:

Content :
Fish Ponds
Water Pipe & drainage Plan

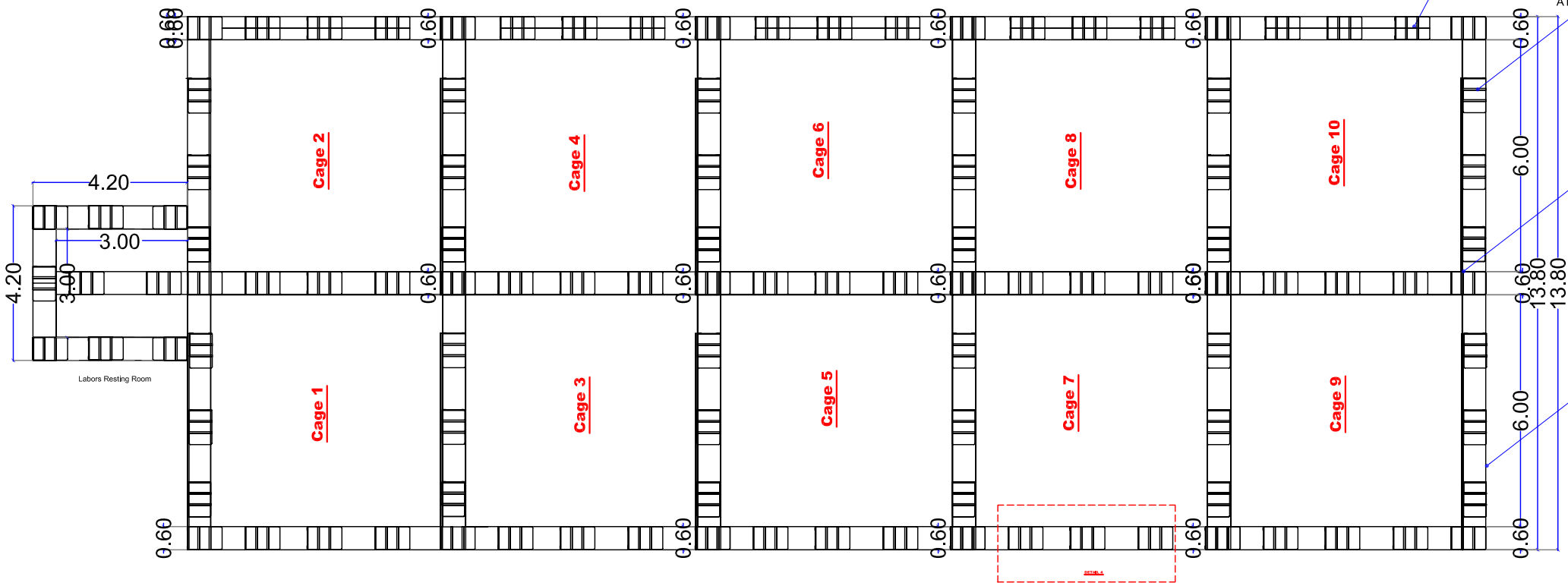
Re - Design By :

Jan 2020

Drawn By:
Engineering Unit

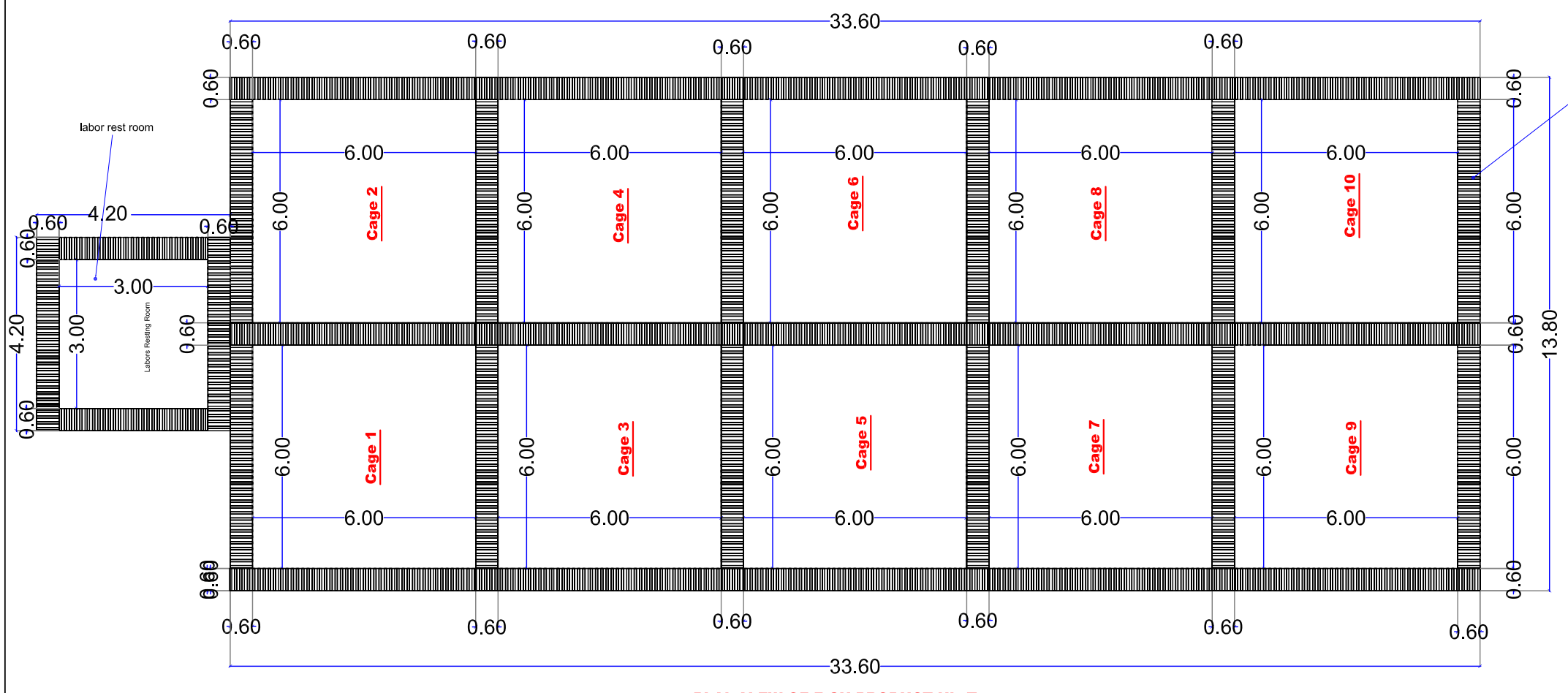
P 2

8



PLAN VIEW OF FISH PRODUCT UNIT

MAIN FRAME AND DRUMS PLAN



PLAN VIEW OF FISH PRODUCT UNIT

STEEL FRAME PLAN

Ground Floor Layout

Scale 1:150 A3

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FISH PRODUCTION UIN

Steel frame details

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

Designer:

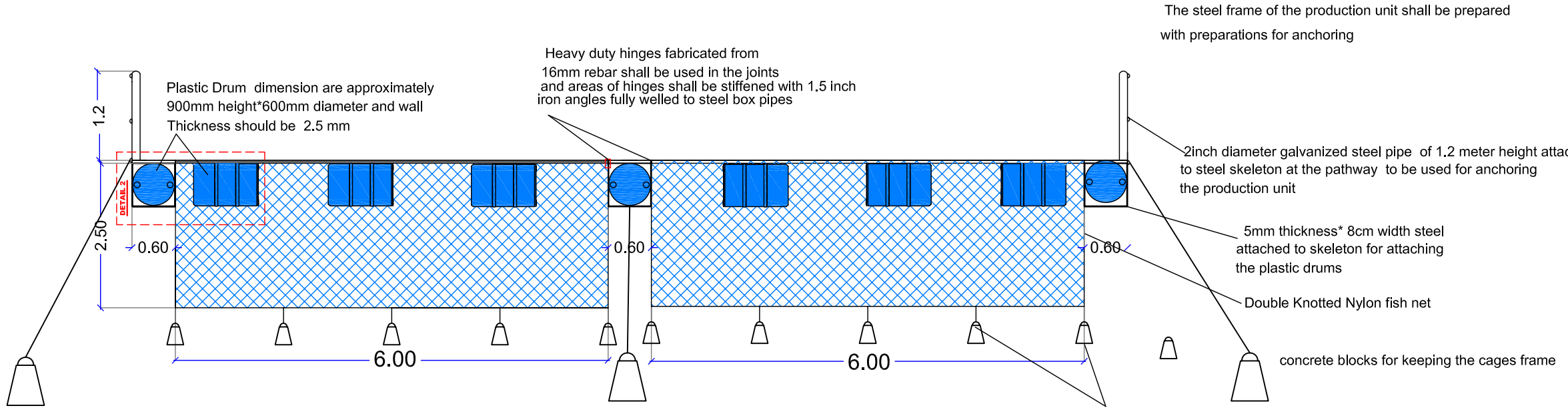
Content :
Production Uint
Steel Frame Plan

Re - Design By :

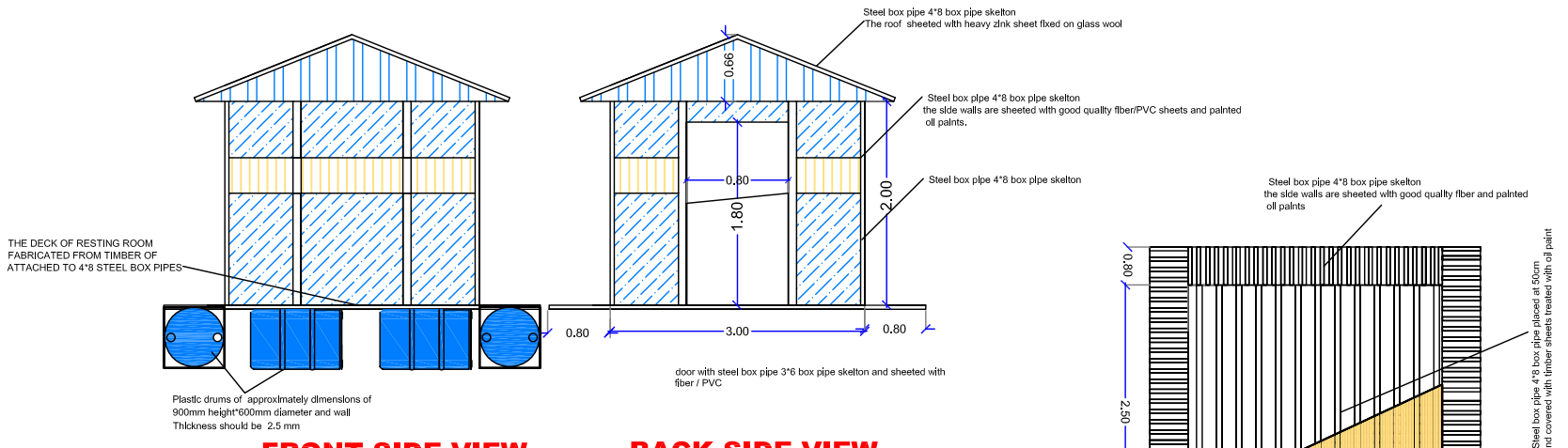
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Drawn By:
Engineering Unit

P 3



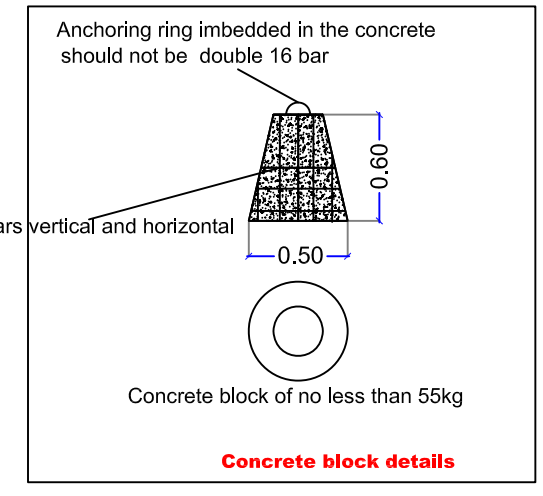
SIDE ELEVATIONAL VIEW OF FISH PRODUCT UNIT



FRONT SIDE VIEW

BACK SIDE VIEW

REST ROOM DECK DETAIL



Concrete block details

LABOR REST ROOM DETAILS

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FISH PRODUCTION UIN

Steel frame details

Project Name:

Jurery Fish Farm Project

Jurery Area
White Nile State - Sudan

Content :

Production Uint

Steel Frame &Rest Room

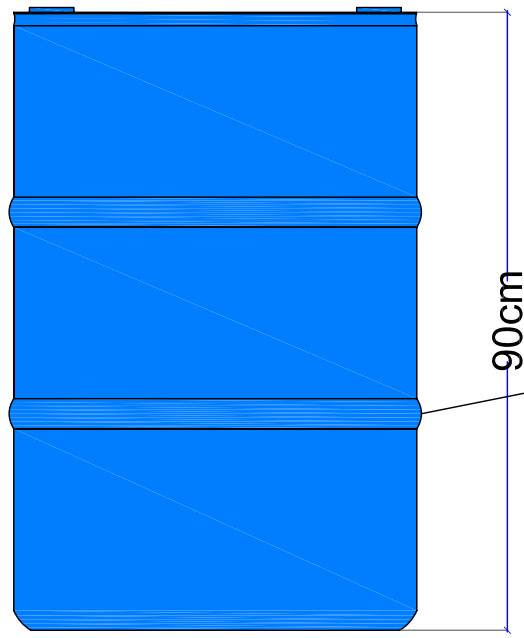
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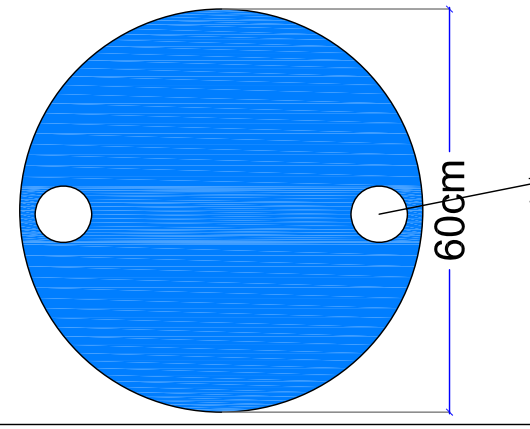
Jan 2020

Drawn By:

P 4

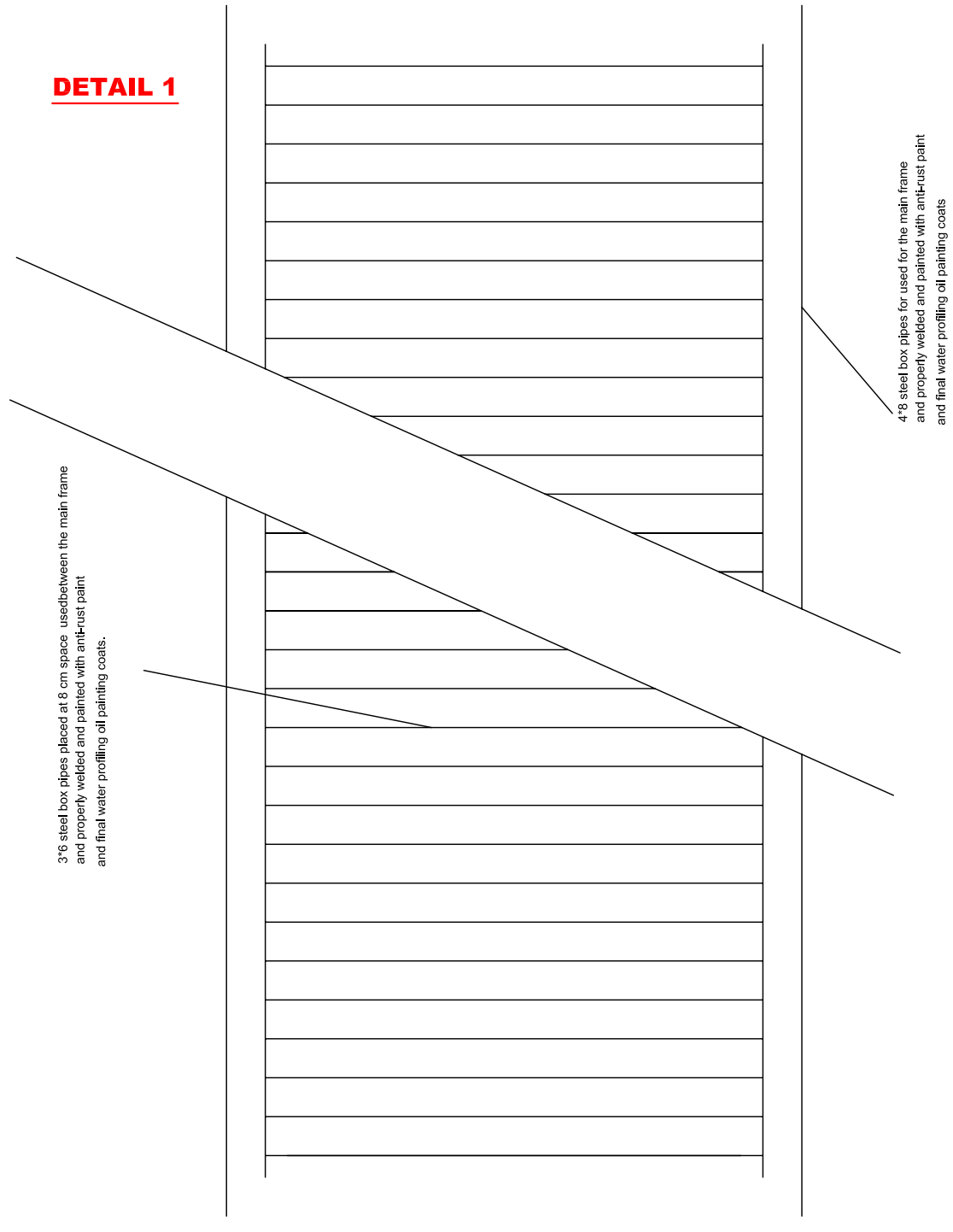
PLASTIC DRUM DETAILSA





DETAIL 2

DETAIL 1



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 UIN

Steel frame details

Project Name:

Jurery Fish Farm Project

Jurery Area
White Nile State - Sudan

Project Title:

Content :

Production Uint

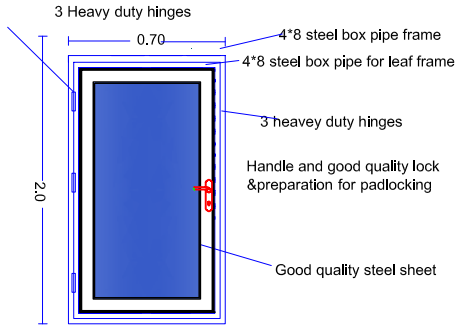
Pathways & Steel drum details

Re - Design By :

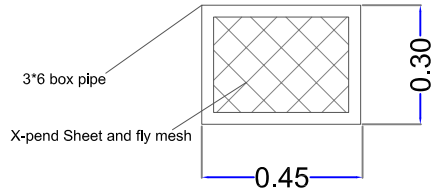
Jan 2020

Drawn By:

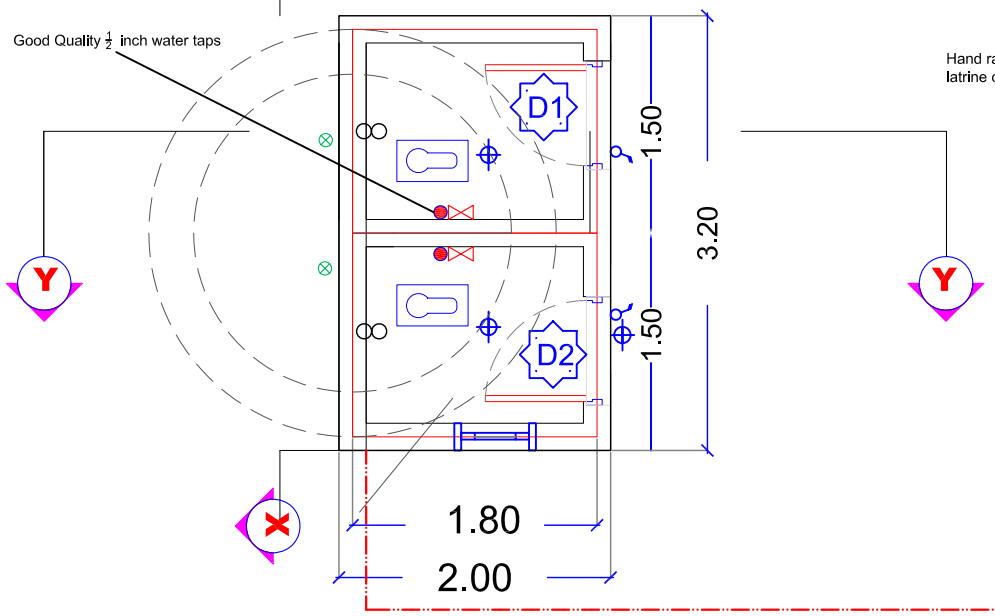
P 5



DOOR 1 DETAILS

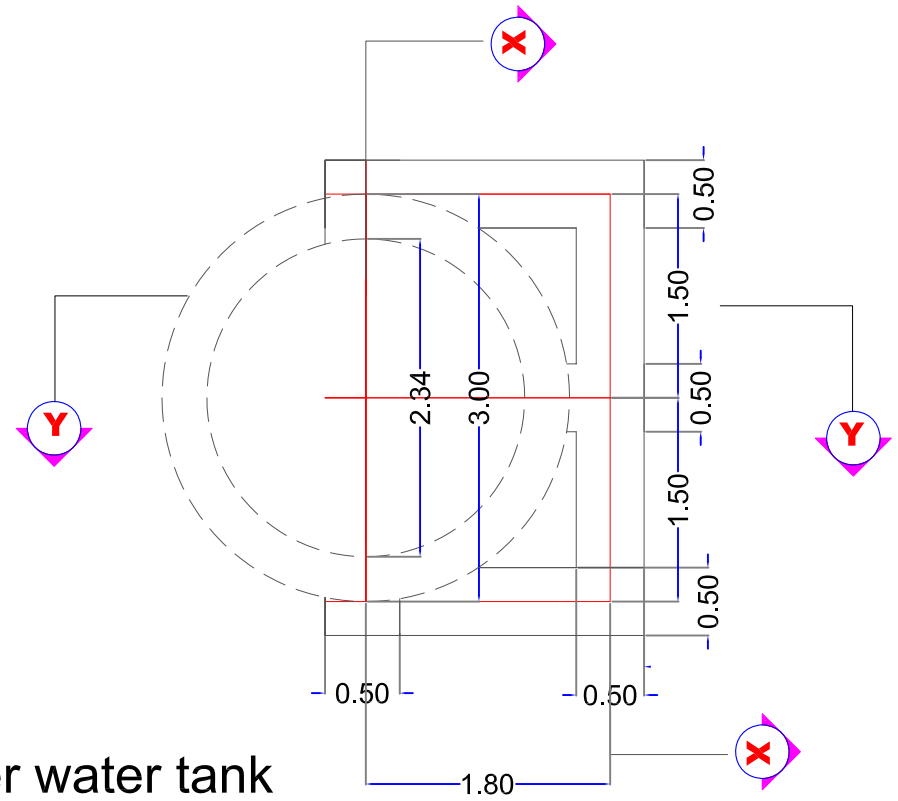


Highlights window

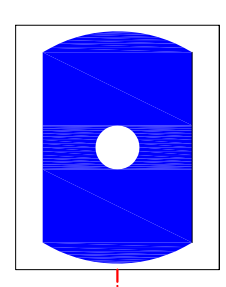


Hand rail for disable attached to latrine concrete floor.

Latrine Plan View



Foundation Plan View



1500 liter water tank

3/4 inch BBR pipe out-let

3/4 inch BBR pipe out-let

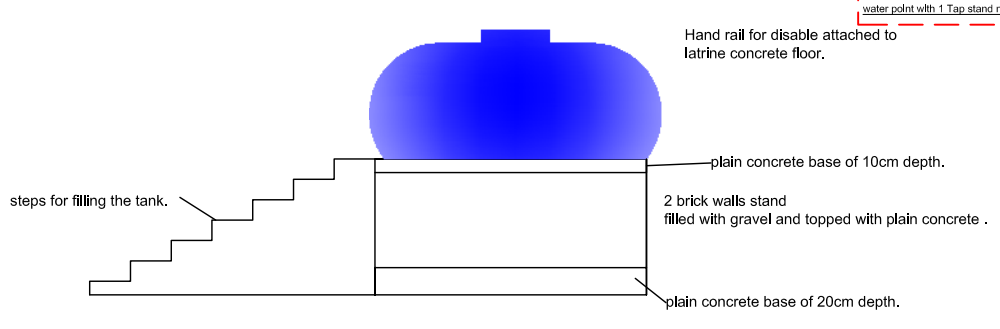
1/2 inch BBR pipe out-let

Foundation Plan View

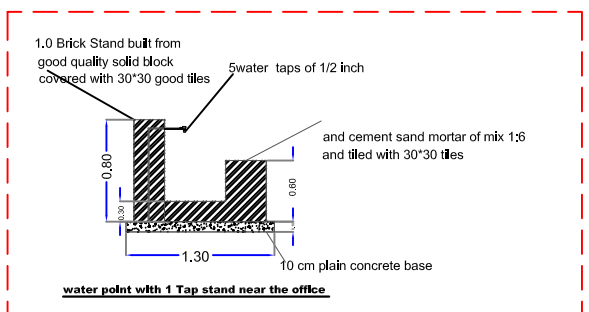
Detail 5

water point with 1 Tap stand near the office

Hand rail for disable attached to latrine concrete floor.



1500 liter water tank
connected with latrines with water pipe



Detail 5

SYMBOL	DESCRIPTION
	Ø 1/2" BBR PIPE FOR FRESH WATER
	Ø 4" UPVC VENTILATION PIPE
	Ø 2" UPVC WASTE WATER PIPE
	COLD WATER 1/2" TAP
P	PIPA
	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

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Fcu. = NOT LESS THAN 25 N/mm2 FOR 28 DAYS STRENGTH

STEEL Fy = 410 N/mm2
- Overlaps of steel should not be less than 45 times larger than bar size.
- No Overlaps of steel @ cantilevers areas.
- Concrete Cover : @ Slab&Col.=25mm, @ Footings=50mm.
- Max Aggregate Size = 20mm.

ELECTRICAL KEY

S	Description
	WALL MOUNTED KDK FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWICH

UNDP SUDAN

latrines
2 Rooms latrine

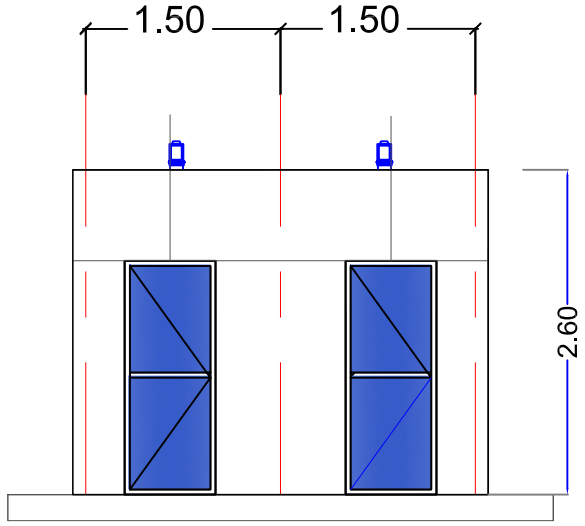
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Content :
DETAILS

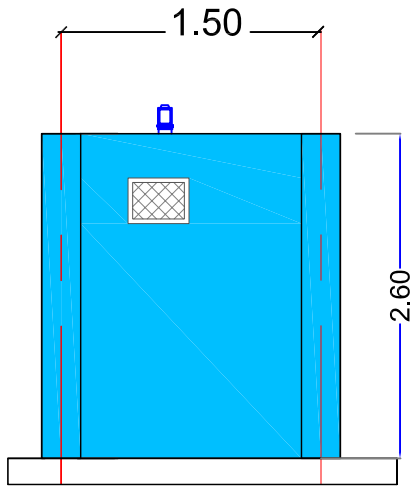
Jan 2020

Designed By:

L1



LATRINES FRONT ELEVATION VIEW

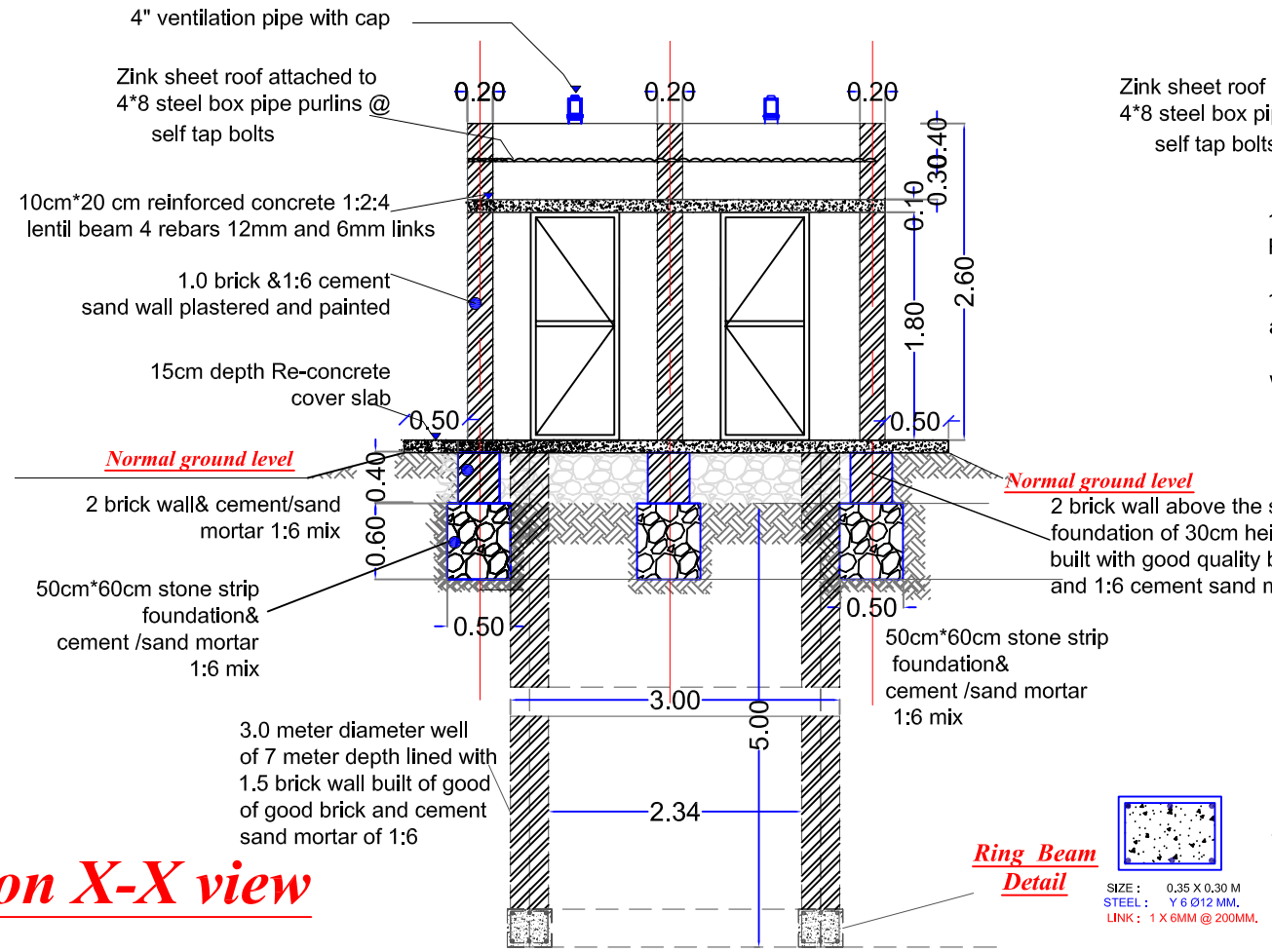


LATRINES SIDE ELEVATION VIEW



#4 rebar of 10mm diameter
with 6 mm links

Lentil Beam Detail



Section X-X view

Ring Beam Detail

SIZE : 0.35 X 0.30 M
STEEL : Y 6 Ø12 MM.
LINK : 1 X 6MM @ 200MM.

Section Y-Y view

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Fcu. = NOT LESS THAN 25 N/mm2 FOR 28 DAYS STRENGTH

STEEL Fy = 460 N/mm2
- Overlaps of steel should not be less than 45 times larger than bar size.
- No Overlaps of steel @ cantilevers areas.
- Concrete Cover : @ Slab&Col.=20mm, @ Footings=50mm.
- Max Aggregate Size = 20mm.

ELECTRICAL KEY

S	Description
	WALL MOUNTED KDK FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWICH

UNDP SUDAN

latrines
2 Rooms latrine

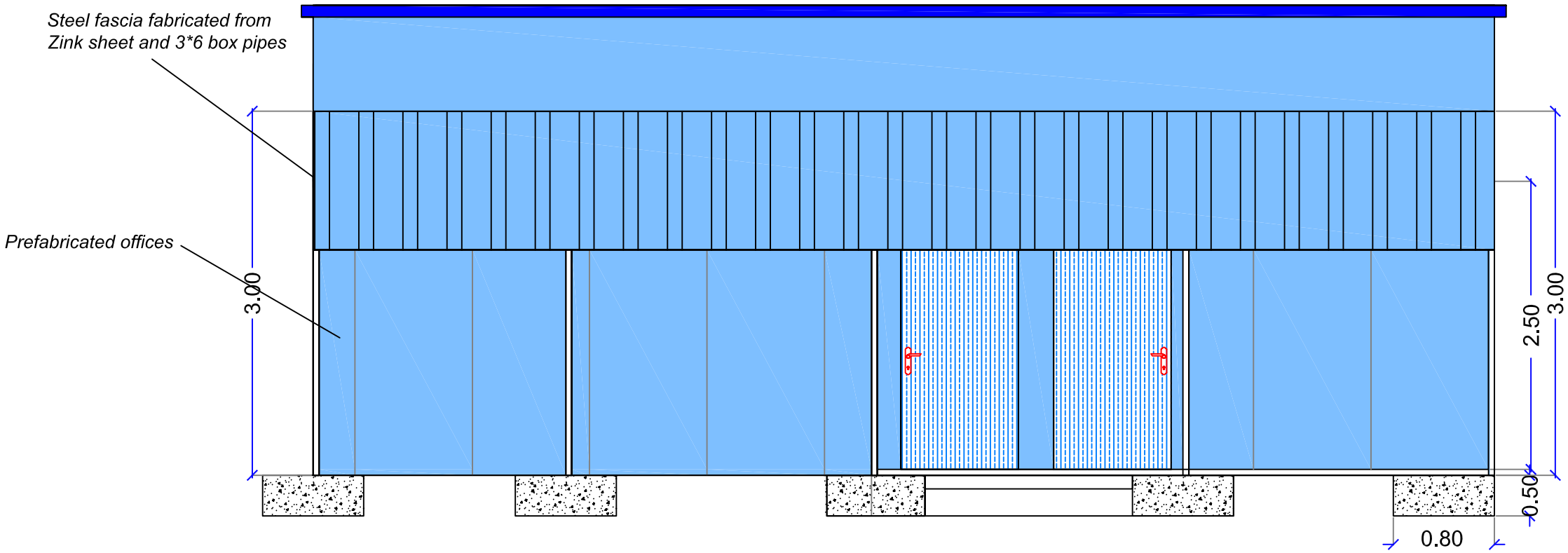
Agency:
UNDP

DETAILS

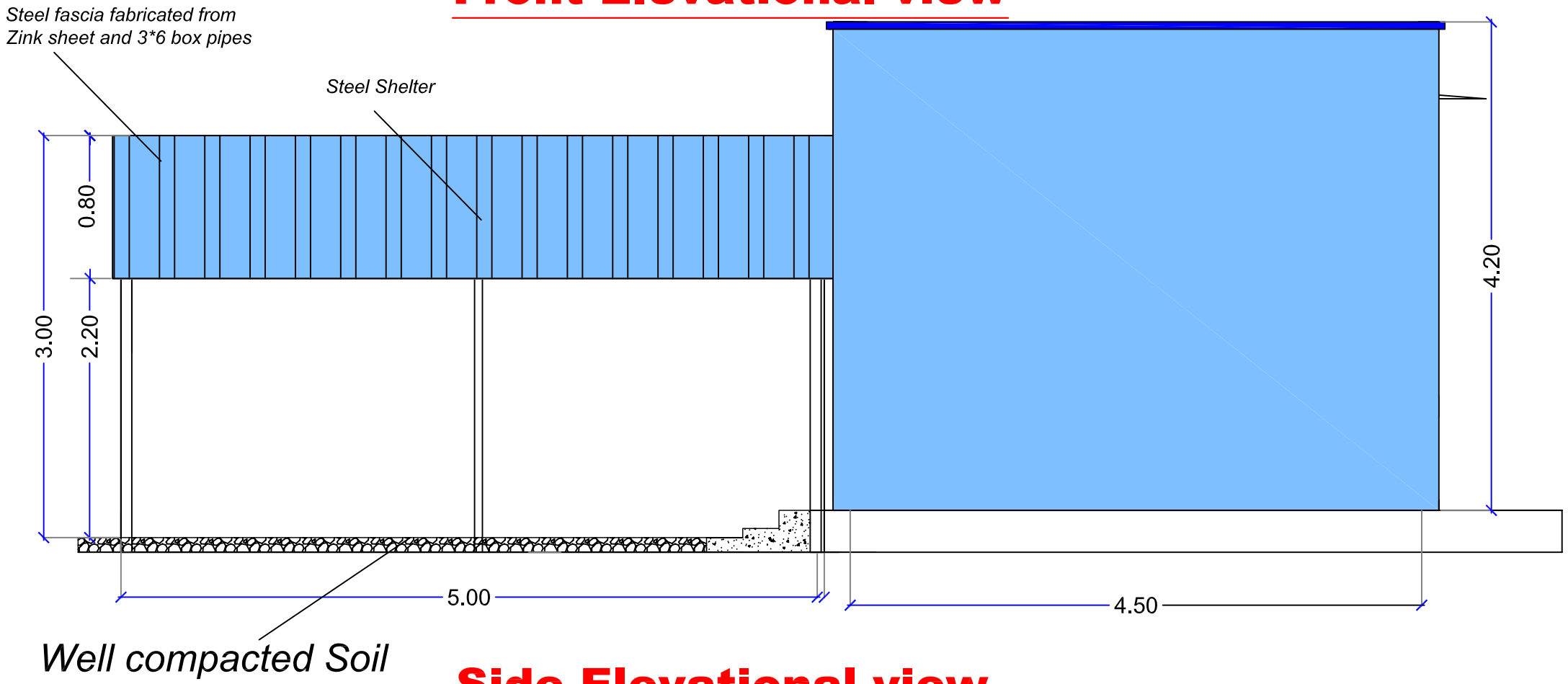
Oct 2017

Designed By:

L2



Front Elevational view



Side Elevational view

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

Designer:

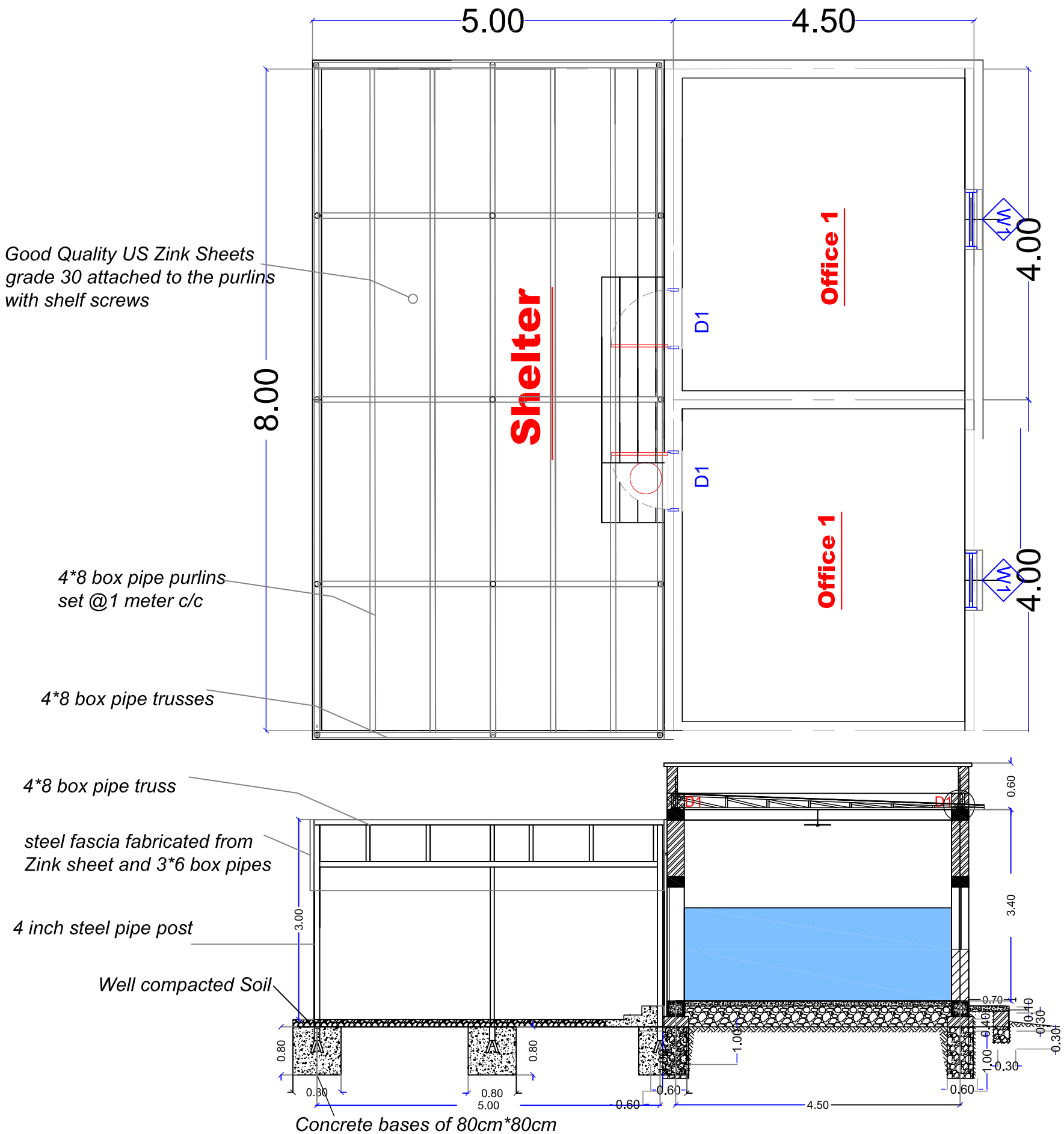
Content :
Offices Works Details

Re - Design By :

Jan
2020

Drawn By:
Engineering Unit

0 1



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FISH PRODUCTION UIN

Steel frame details

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

Designer:

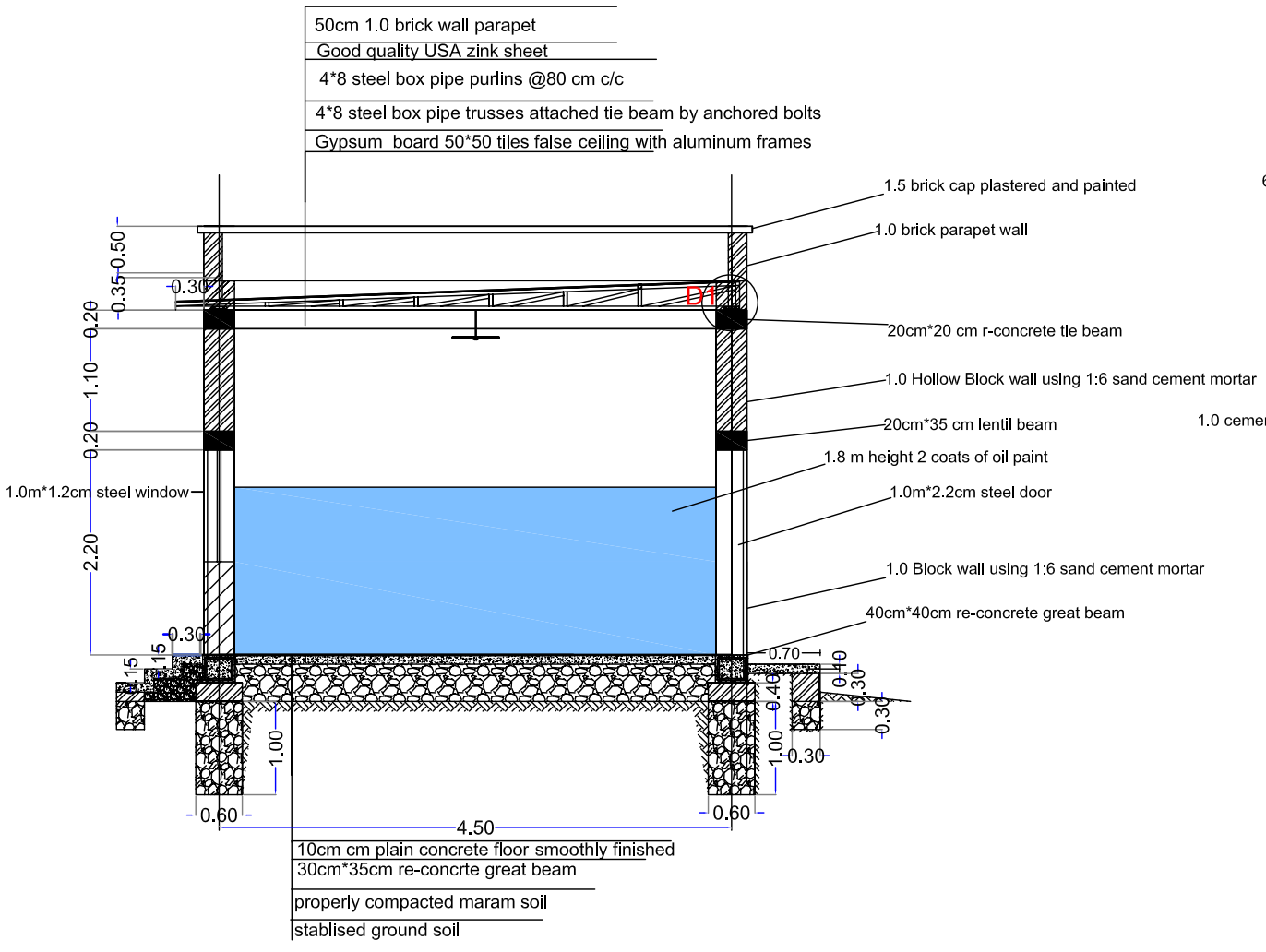
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Offices Works Details

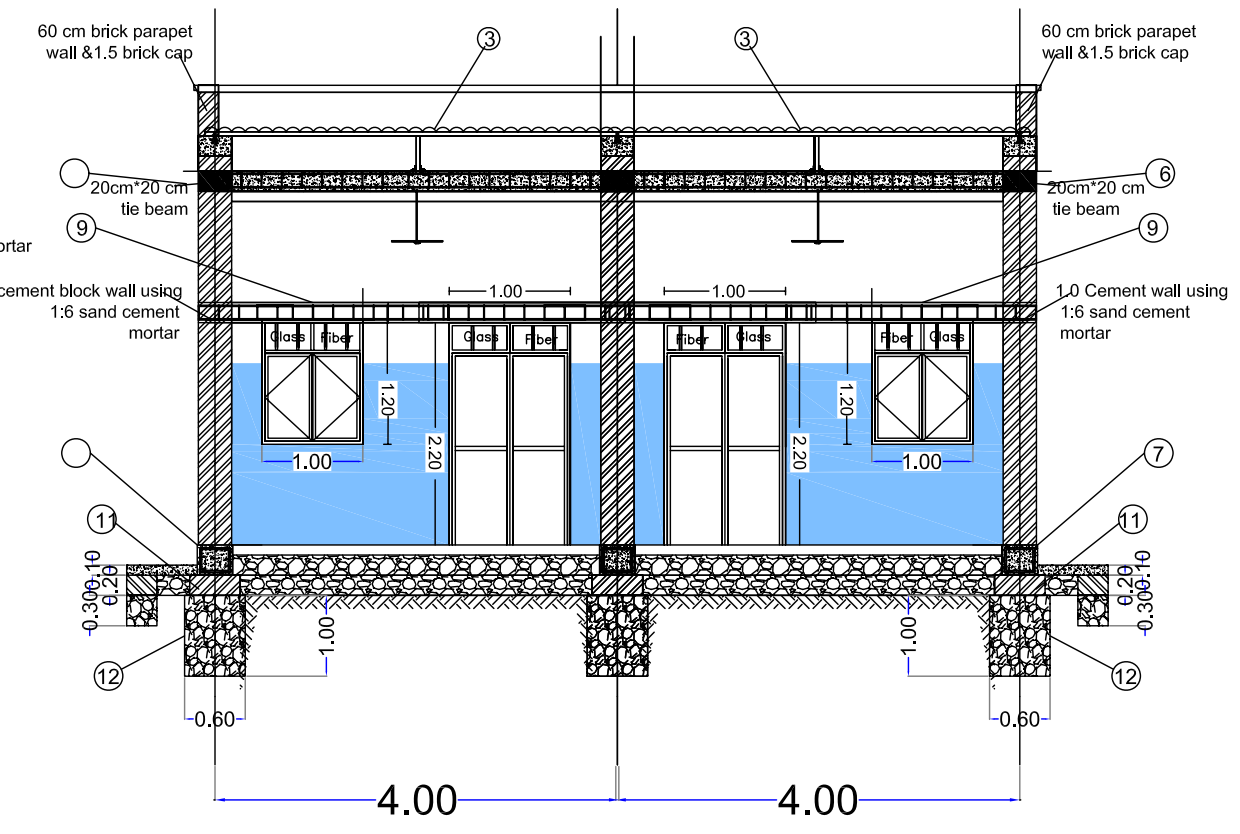
Re - Design By :

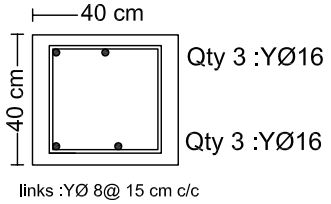
Jan 2020

Drawn By:
Engineering Unit

02

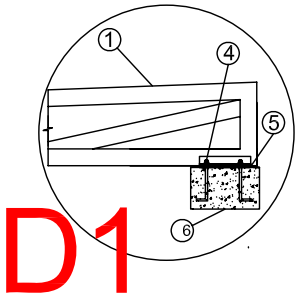






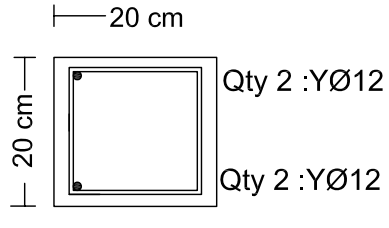
DETAIL

R.C.Grade Beam



D1

①	4cm*8cm steel box truss attached to tie beam Via 12 mm diameter 12 cm long anchored bolts
④	12mm Diameter and 12 cm long anchored imbedded in beam concrete
⑤	5mm thickness steel plate bolted to the great beam
⑥	20cm*20cm Re-Concrete tie beam



links :YØ 8@ 15 cm c/c

DETAIL

R.C.Tie / Lentil Beam

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FISH PRODUCTION UIN

Steel frame details

Project Name:

Jurery Fish Farm Project

Juri Area
white Nile State - Sudan

Designer:

Content :

Offices Works Details

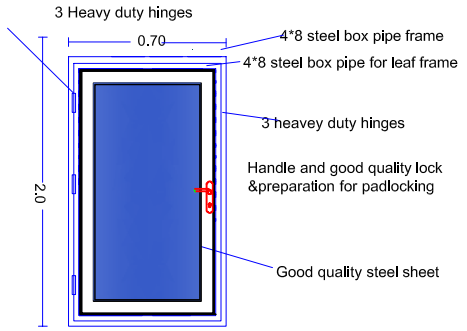
Re - Design By :

Jan 2020

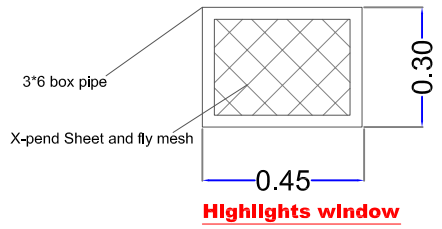
Drawn By:

Engineering Unit

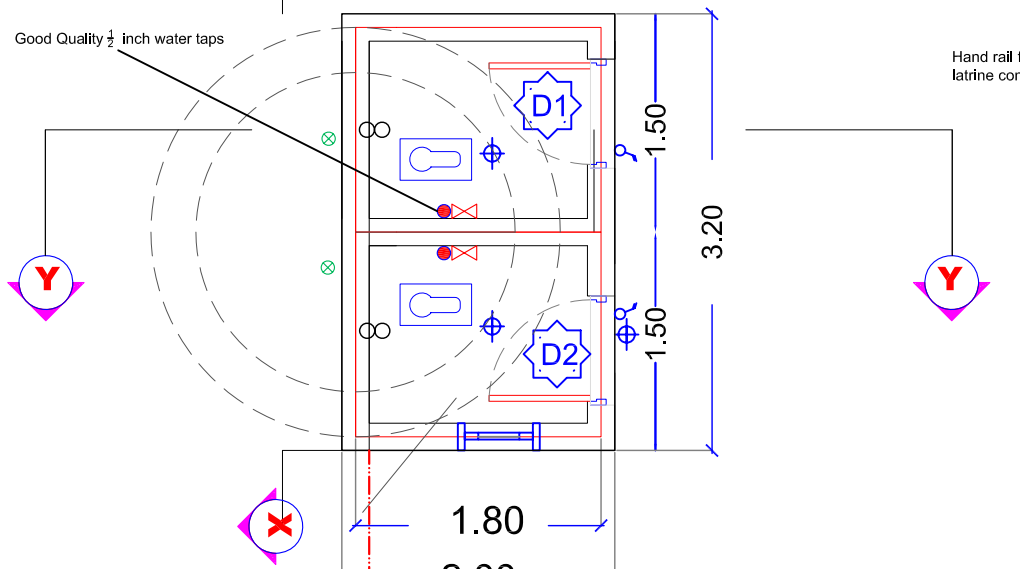
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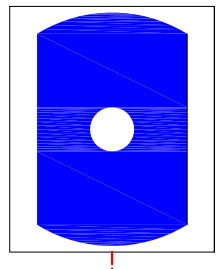
DOOR 1 DETAILS



Highlights window



Hand rail for disable attached to latrine concrete floor.

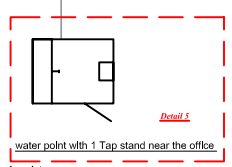


1500 liter water tank

3/4 inch BBR pipe out-let

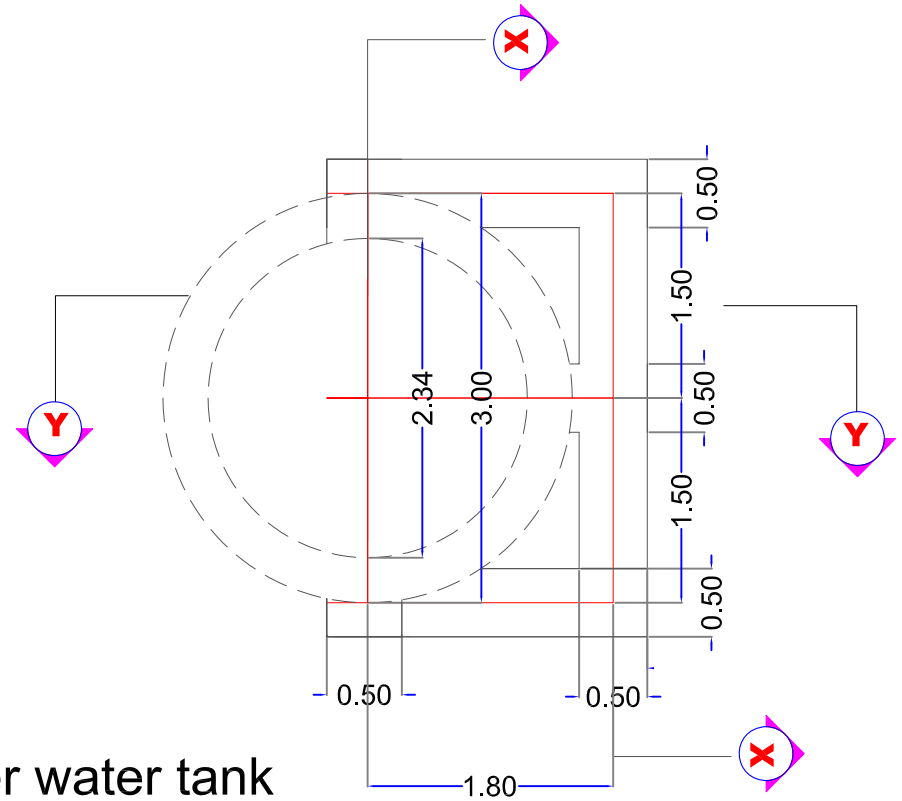
3/4 inch BBR pipe out-let

1/2 inch BBR pipe out-let

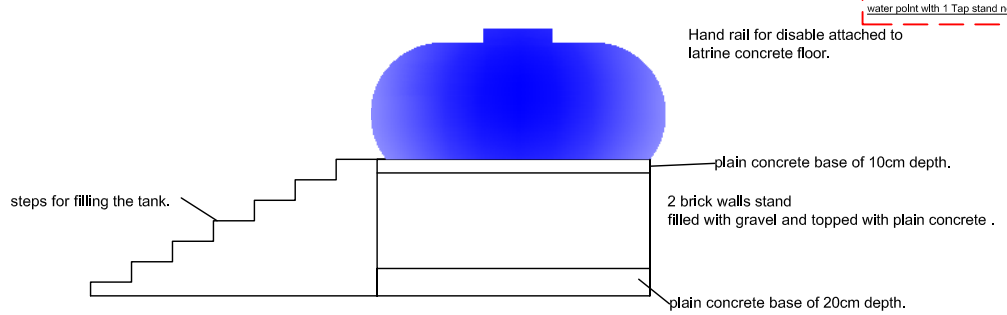


Hand rail for disable attached to latrine concrete floor.

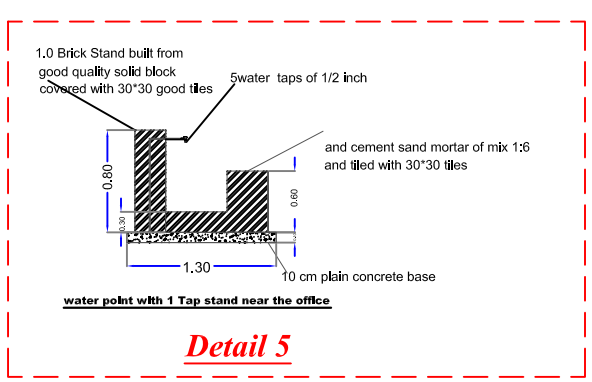
Latrine Plan View



Foundation Plan View



1500 liter water tank
connected with latrines with water pipe



Detail 5

SYMBOL	DESCRIPTION
	Ø 1/2" BBR PIPE FOR FRESH WATER
	Ø 4" UPVC VENTILATION PIPE
	Ø 2" UPVC WASTE WATER PIPE
	COLD WATER 1/2" TAP
P	PIPA
	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

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Empowered lives.
Resilient nations.

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 DIMENSIONS AND DETAILS SHOWN ON THIS DRAWING.
4-ALL DIMENSIONS IN Meter. UNLESS NOTED OTHERWISE.

Fcu. = NOT LESS THAN 25 N/mm2 FOR 28 DAYS STRENGTH

STEEL Fy = 410 N/mm2
- Overlaps of steel should not be less than 45 times larger than bar size.
- No Overlaps of steel @ cantilevers areas.
- Concrete Cover : @ Slab&Col.=25mm, @ Footings=50mm.
- Max Aggregate Size = 20mm.

ELECTRICAL KEY

S	Description
	WALL MOUNTED KDK FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWICH

UNDP SUDAN

latrines
2 Rooms latrine

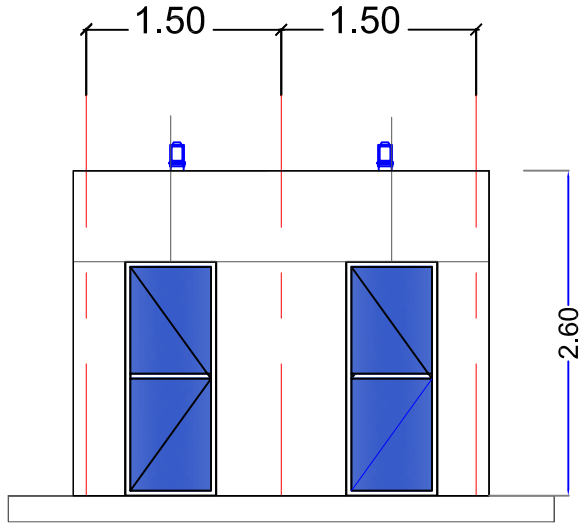
Agency:

Content :
DETAILS

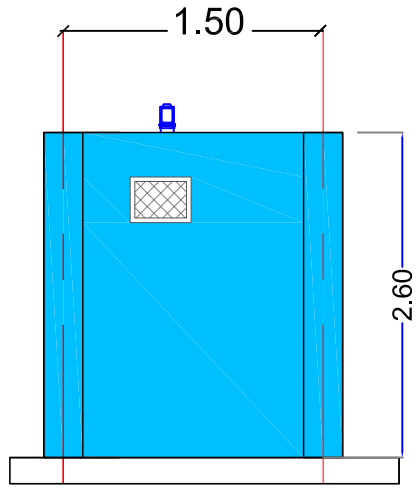
Jan
2020

Designed By:

L1



LATRINES FRONT ELEVATION VIEW

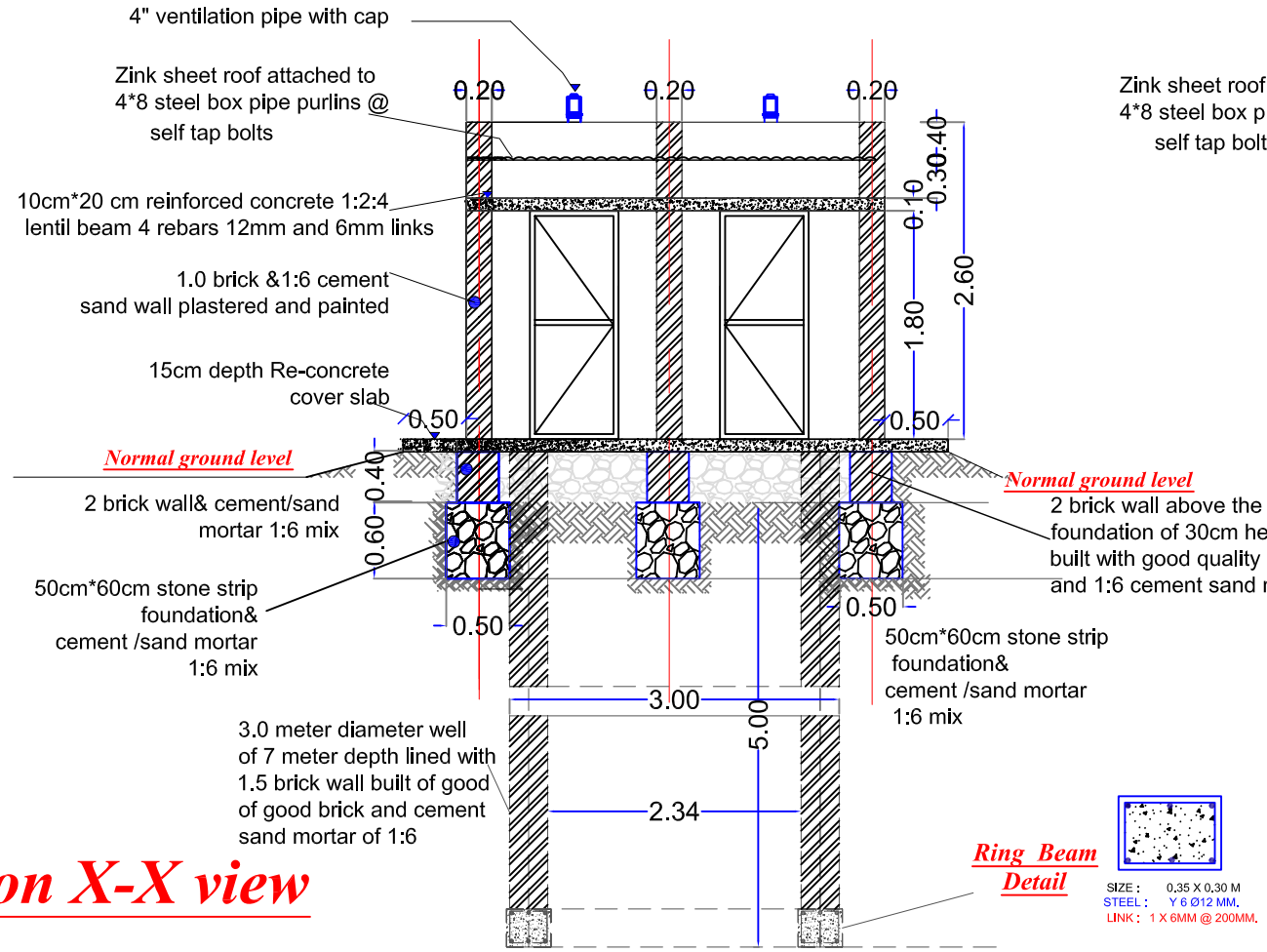


LATRINES SIDE ELEVATION VIEW



#4 rebar of 10mm diameter
with 6 mm links

Lentil Beam Detail



Section X-X view

Ring Beam Detail

SIZE : 0,35 X 0,30 M
STEEL : Y 6 Ø12 MM.
LINK : 1 X 6MM @ 200MM.

Section Y-Y view

GENERAL:
1- THIS DRAWINGS MUST NOT BE SCALED.
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ALL OTHER ENGINEERS, ARCHITECT AND SUB-CONTRACTOR DRAWINGS, DETAILS AND SPECIFICATION.
3-THE CONTRACTOR IS TO CHECK AND CONFIRM ALL THE DIMENSIONS AND DETAILS SHOWN ON THIS DRAWING.
4-ALL DIMENSIONS IN Meter. UNLESS NOTED OTHERWISE.

Fcu. = NOT LESS THAN 25 N/mm2 FOR 28 DAYS STRENGTH

STEEL Fy = 460 N/mm2
- Overlaps of steel should not be less than 45 times larger than bar size.
- No Overlaps of steel @ cantilevers areas.
- Concrete Cover : @ Slab&Col.=20mm, @ Footings=50mm.
- Max Aggregate Size = 20mm.

ELECTRICAL KEY

S	Description
	WALL MOUNTED KDK FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWICH

UNDP SUDAN

latrines
2 Rooms latrine

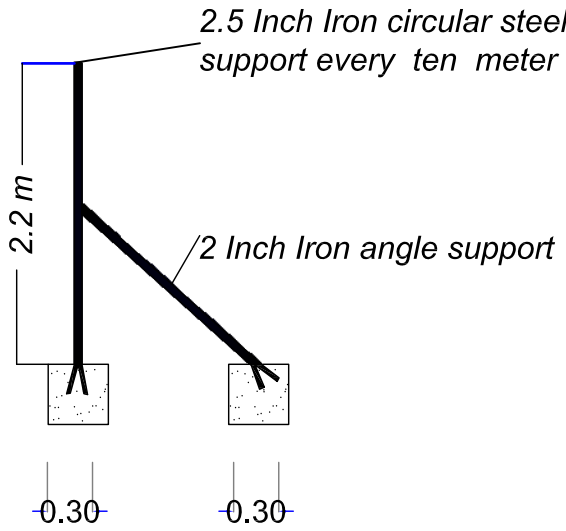
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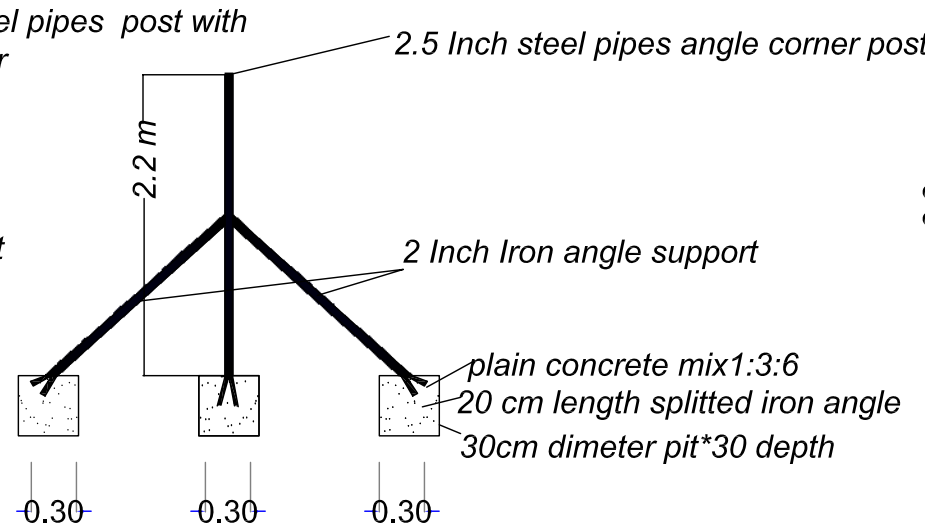
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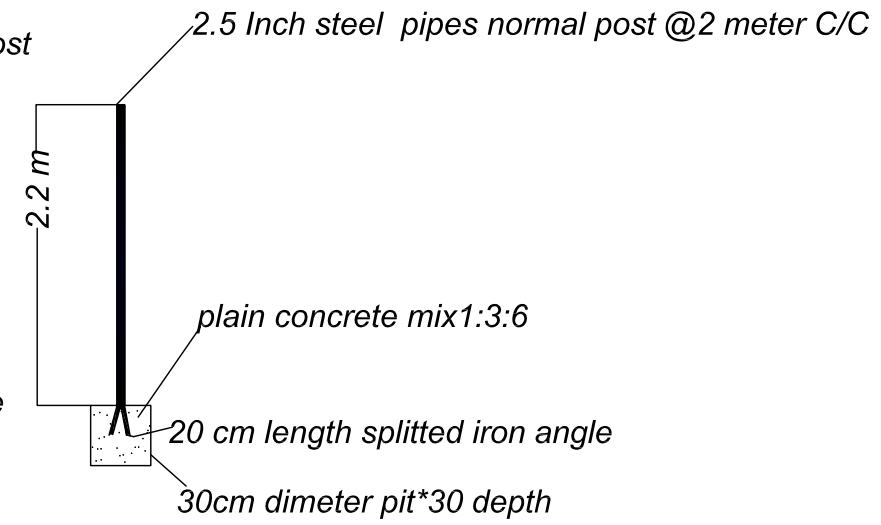
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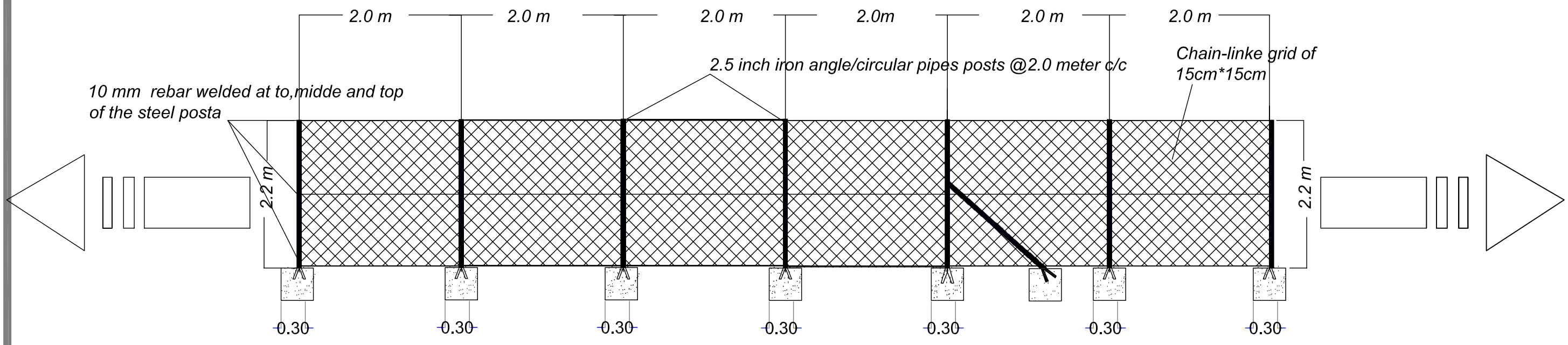
Designed By:

L2





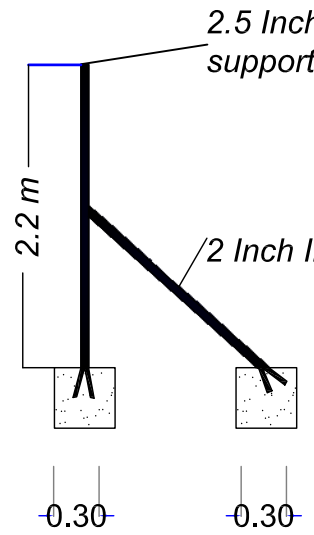


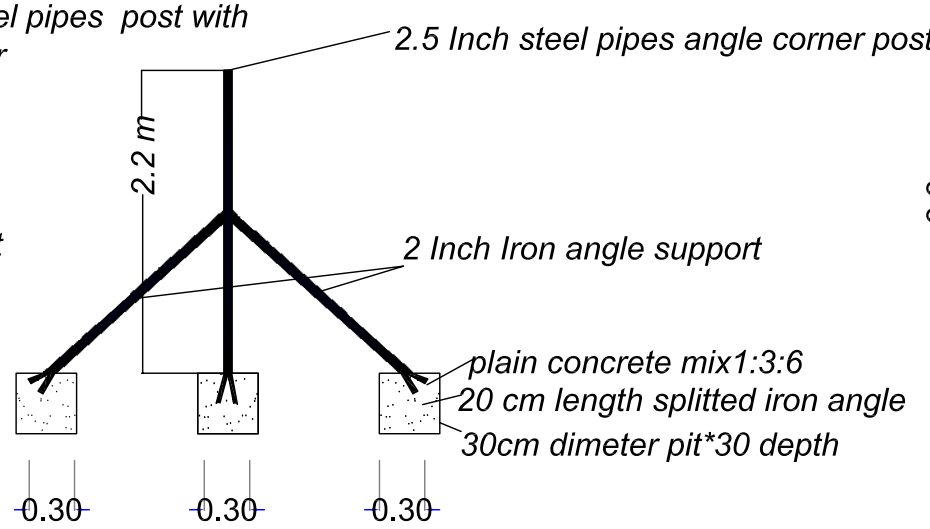


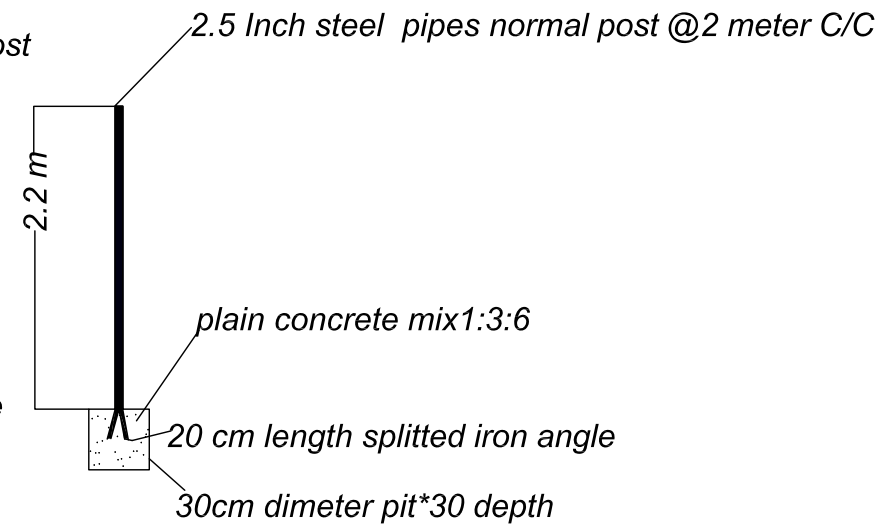
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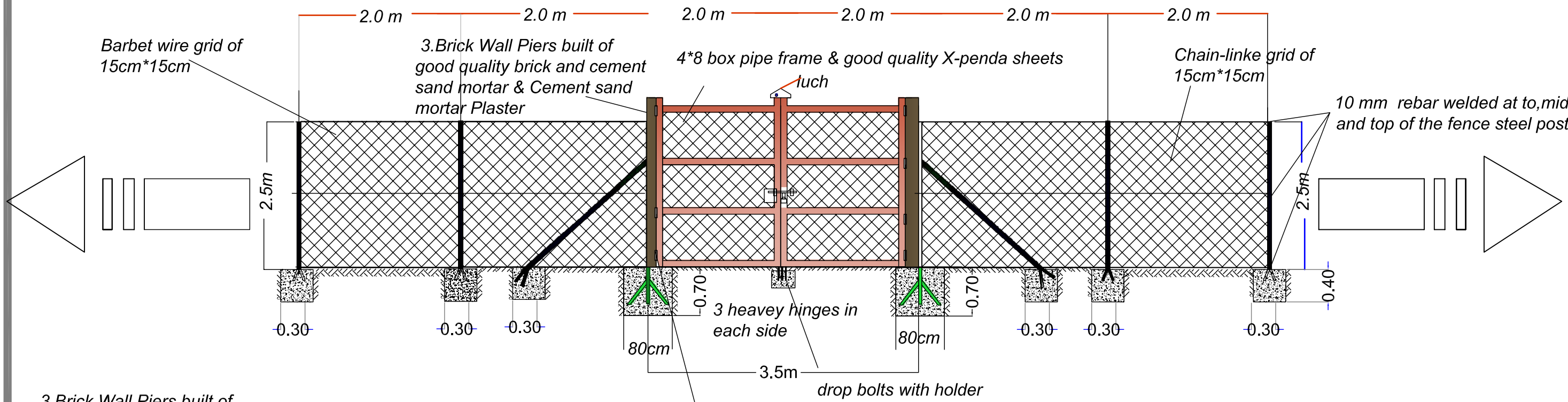
All steel work shall be painted with antirust paint and final paints

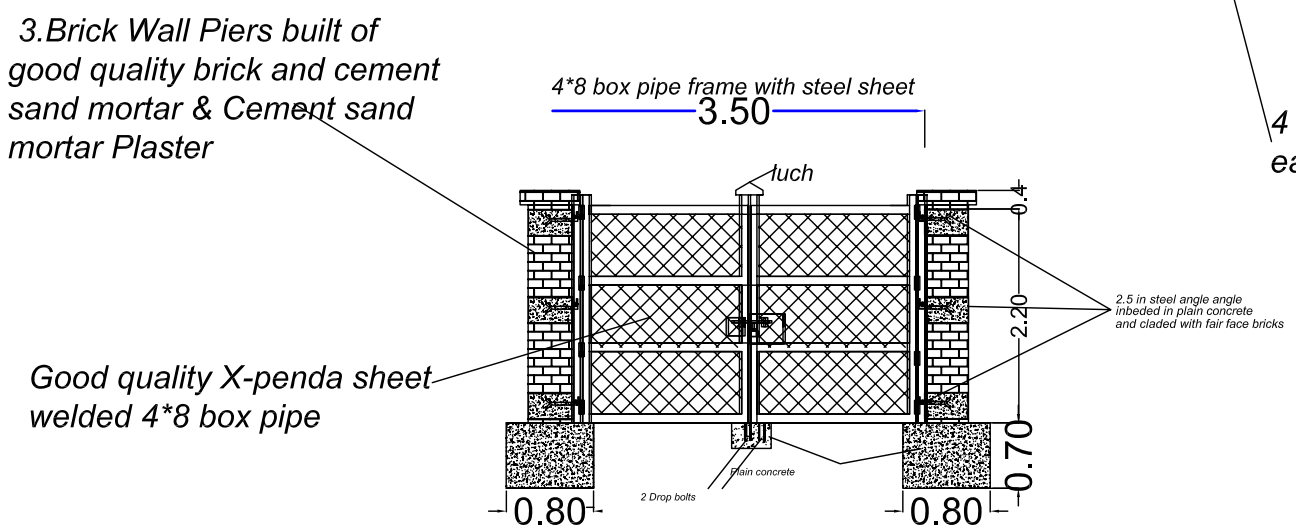
Project : Juri fishery Project		
Content : Fence Steel frame details		
Drawn By:	Jan 2020	F 1



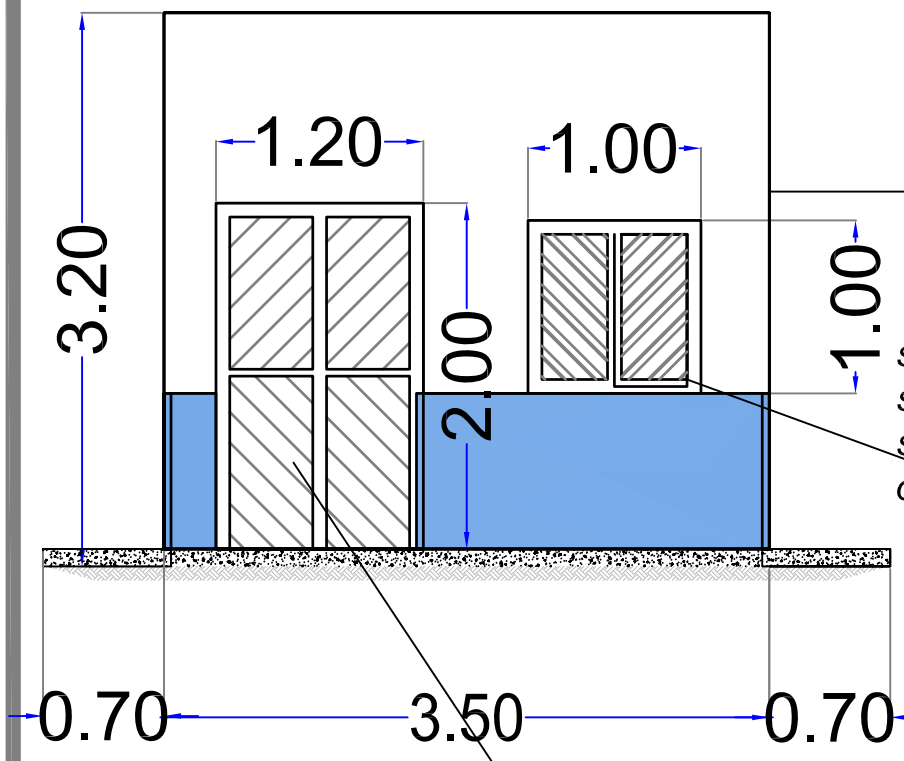








Project : Juri fishery Project		
Content : Fence Steel frame details		
Drawn By:	Jan 2020	F 2



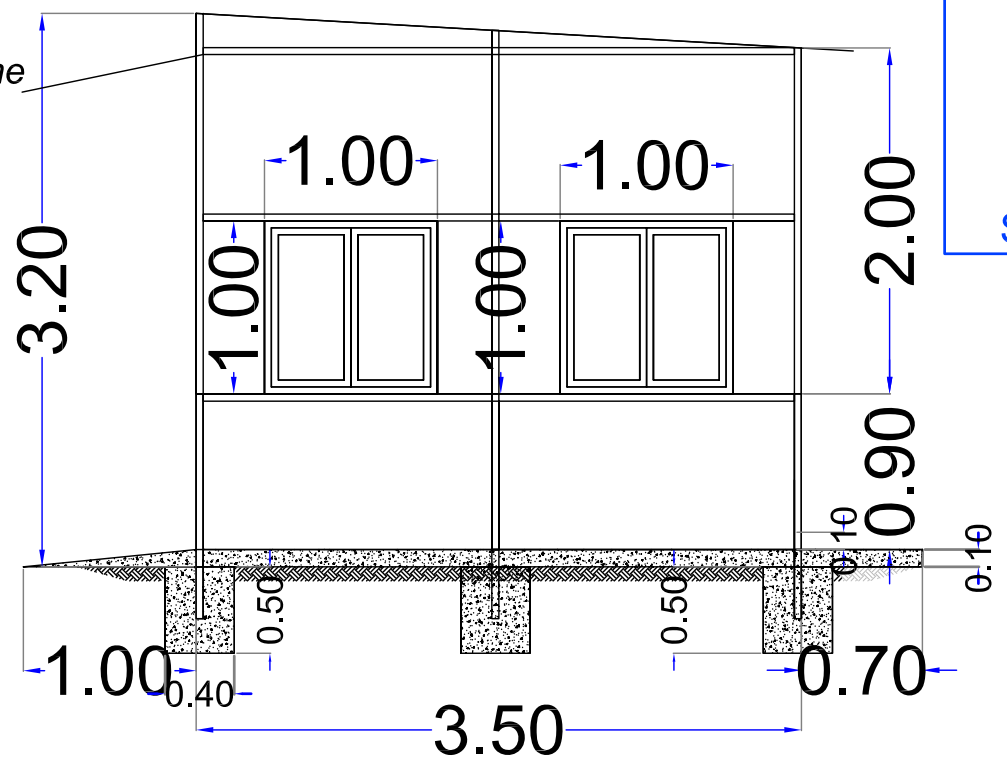
Main View

*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.*

*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.*

*4*8 steel box pipe frame*



Sectional view

10 cm depth platform of plain concrete

NOTE:

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

PLAN

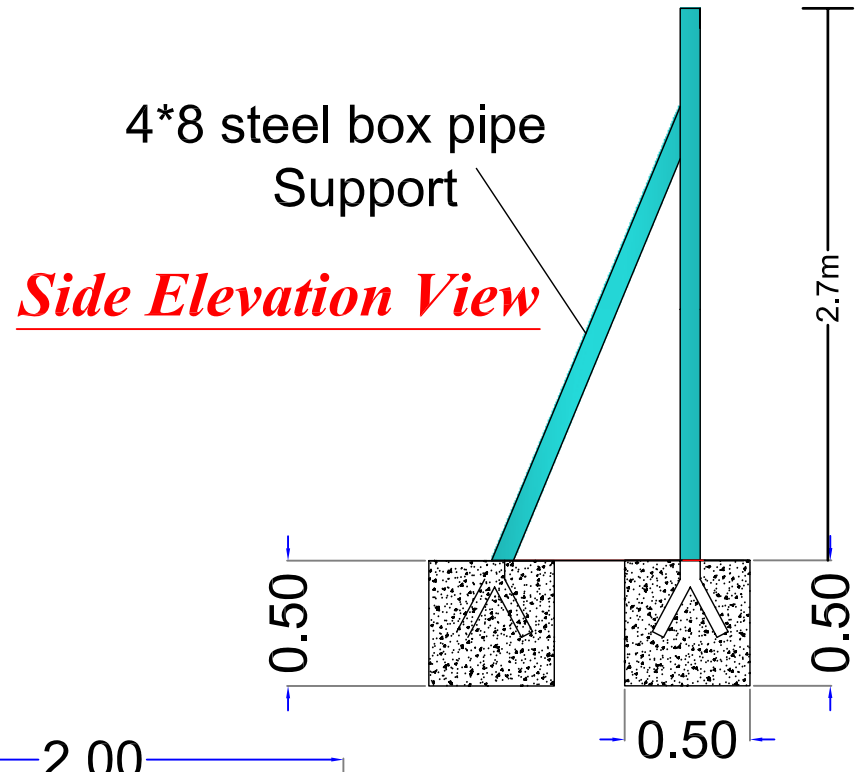
Generator Room

SUDAN

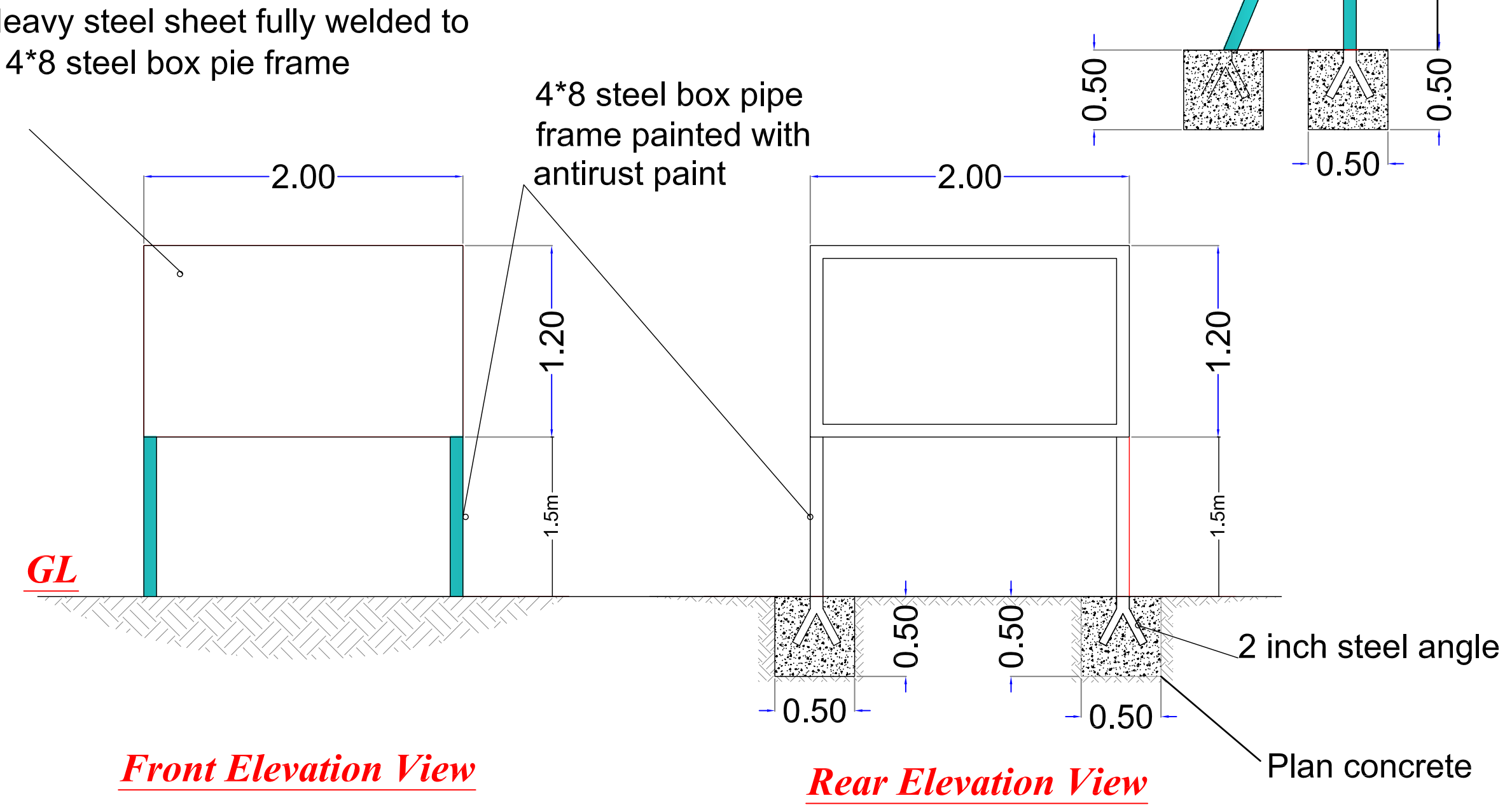
Project :	Juri fishery Project
Content :	*Generator Room*
Drawn By:	*Jan 2020*
	F 3

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 the contractor shall properly shall write and draw as indicated in the BoQ



Side Elevation View



Front Elevation View

Rear Elevation View

NOTE:

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

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GENERAL:
1- All steel members shall be are of good quality heavy steel (Black type).
2- all steel remembers 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 statetd

Project Name:
Juri fishery Project

Content:
Sign Broad Details

Content:
UNDP-C2SP

Jan 2020

Drawn By:
UNDP-C2SP

S 1



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



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



Sample Cages Unit: (For Illustration only).