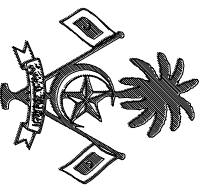


PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

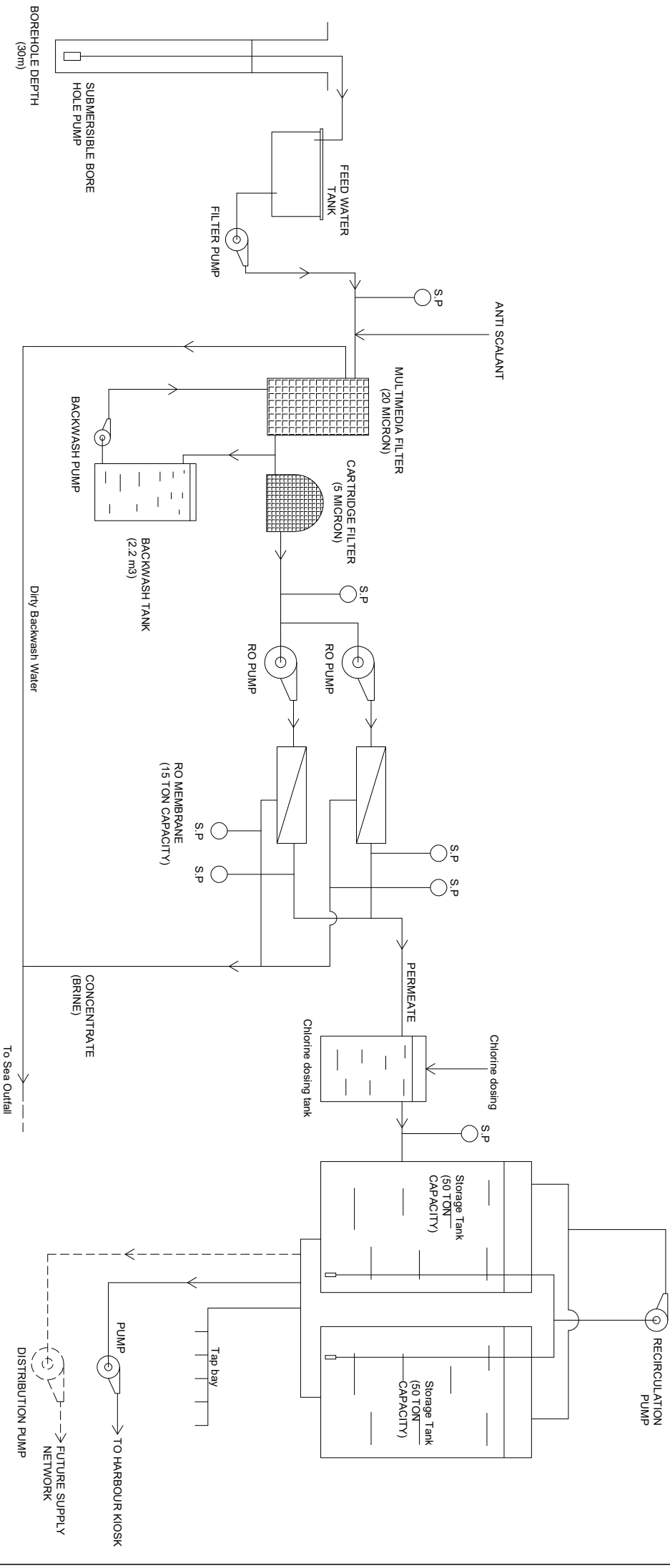
# RO PLANT BUILDING AND WATER SUPPLY FACILITY DRAWINGS - PACKAGE 2



WATER SUPPLY COMPONENT  
OFID PROJECT  
MINISTRY OF ENVIRONMENT AND ENERGY

---

HANDHUVAREE HINGUN MALE 20-01  
REPUBLIC OF MALDIVES



S.P. = Sampling Point

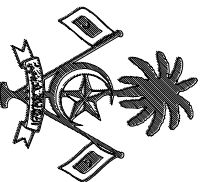
# RO PLANT SCHEMATIC ARRANGEMENT

## OFID 14 ISLAND WATER SUPPLY PROJECT - PACKAGE 1

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT		PROJECT: 14 ISLAND WATER SUPPLY PROJECT	
OPEC FUND FOR INTERNATIONAL DEVELOPMENT		SCALE: AS SHOWN	DATE: APR 2017
		<div></div>	

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

# R. MAAKURATHU RO PLANT BUILDING AND WATER SUPPLY FACILITY



WATER SUPPLY COMPONENT  
OFID PROJECT  
MINISTRY OF ENVIRONMENT AND ENERGY

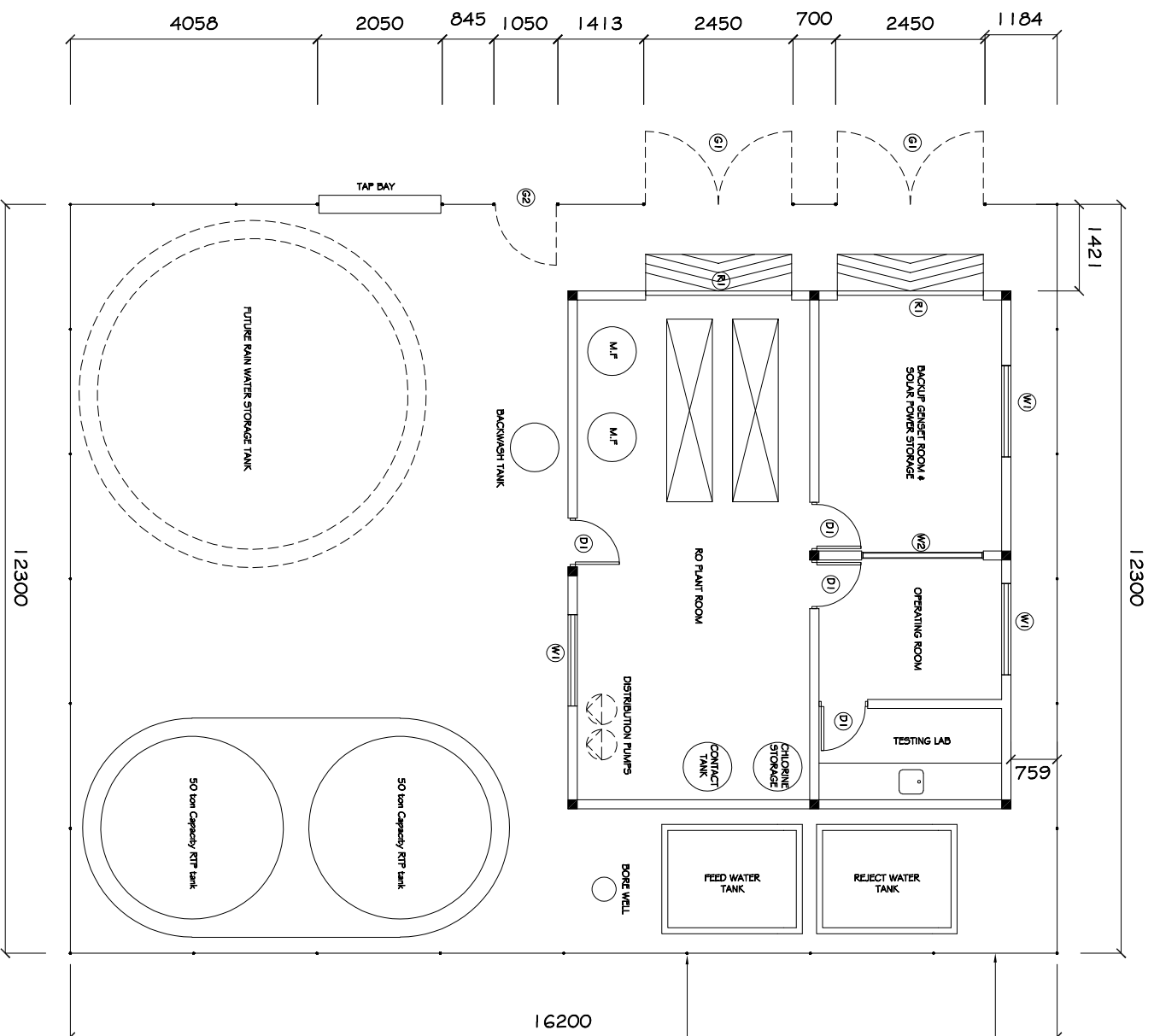
---

HANDUVAREE HINGUN MALE 20-01  
REPUBLIC OF MALDIVES



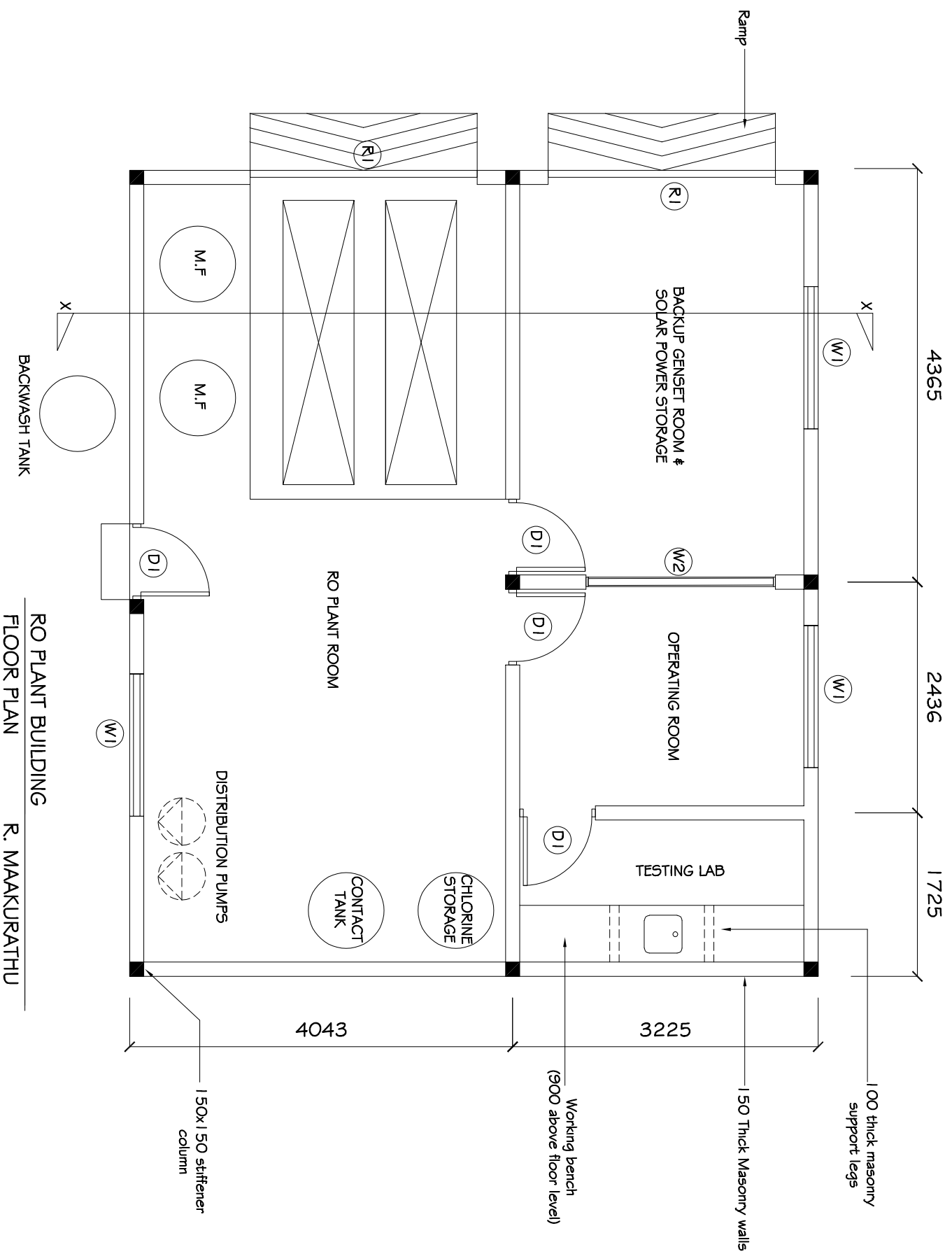
# RO PLANT BUILDING AND CRITICAL DEVELOPMENTS

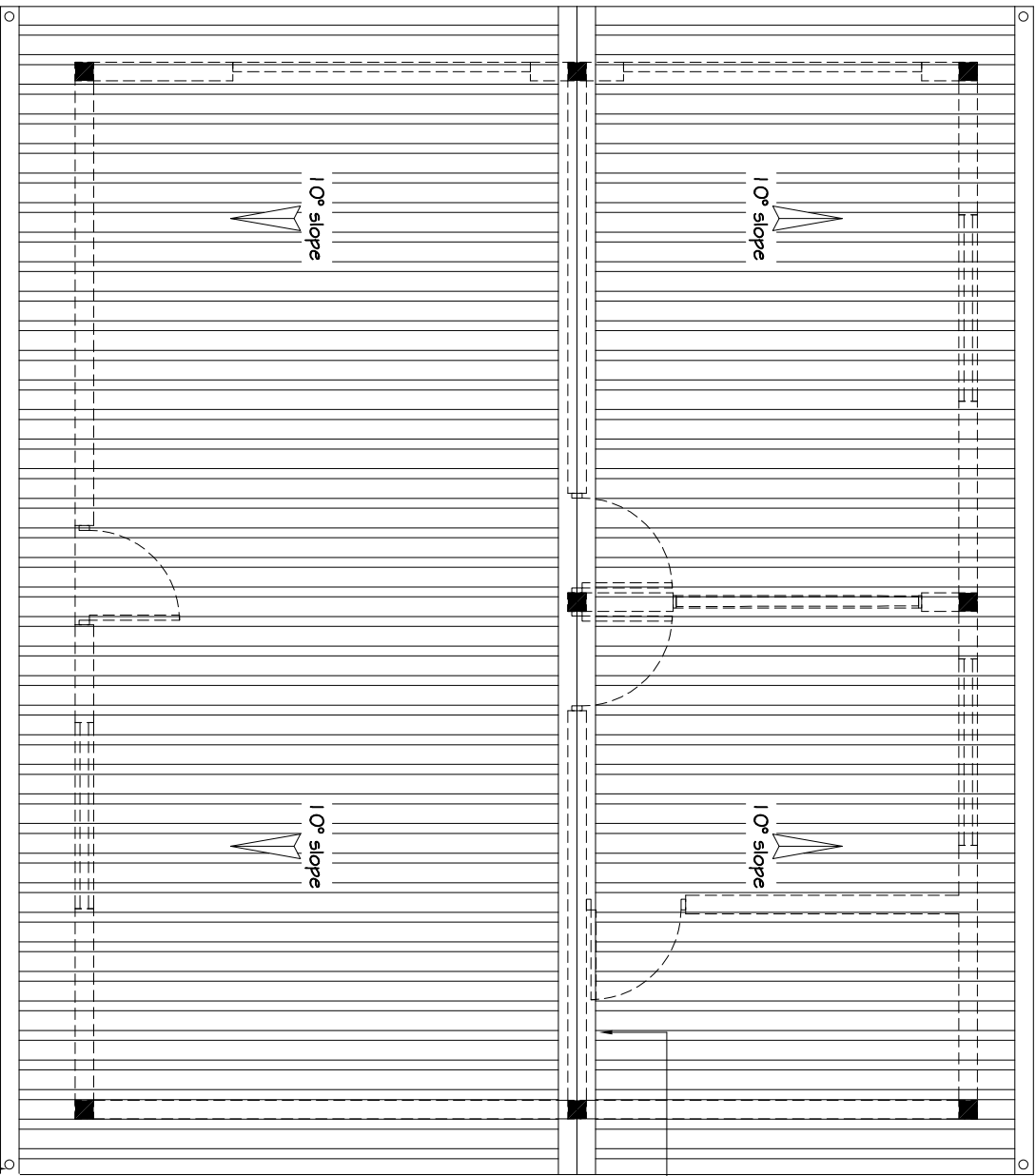
R. MAKKURATHU



WATER SUPPLY AND STORAGE FACILITY SITE & BUILDING  
RAA MAAKURATHU







RO PLANT BUILDING  
ROOF PLAN R. MAAKURATHU

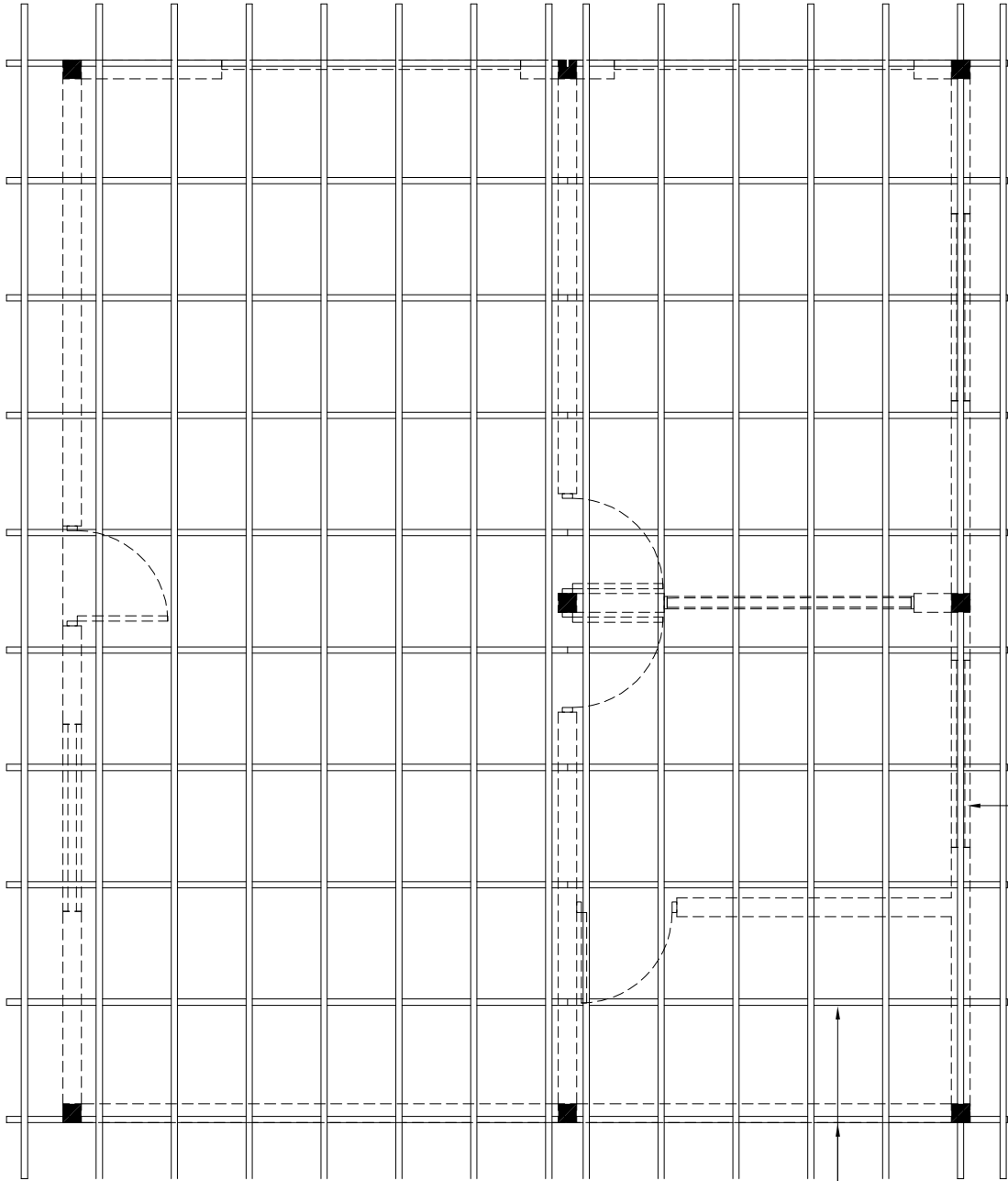
DOWN PIPE

RIDGE CAPPING

PVC GUTTER

50x38 battens  
@ 600 c/c

50x150 Rattens  
@ 900 c/c



RO PLANT BUILDING  
ROOF STRUCTURE R. MAAKURATHU

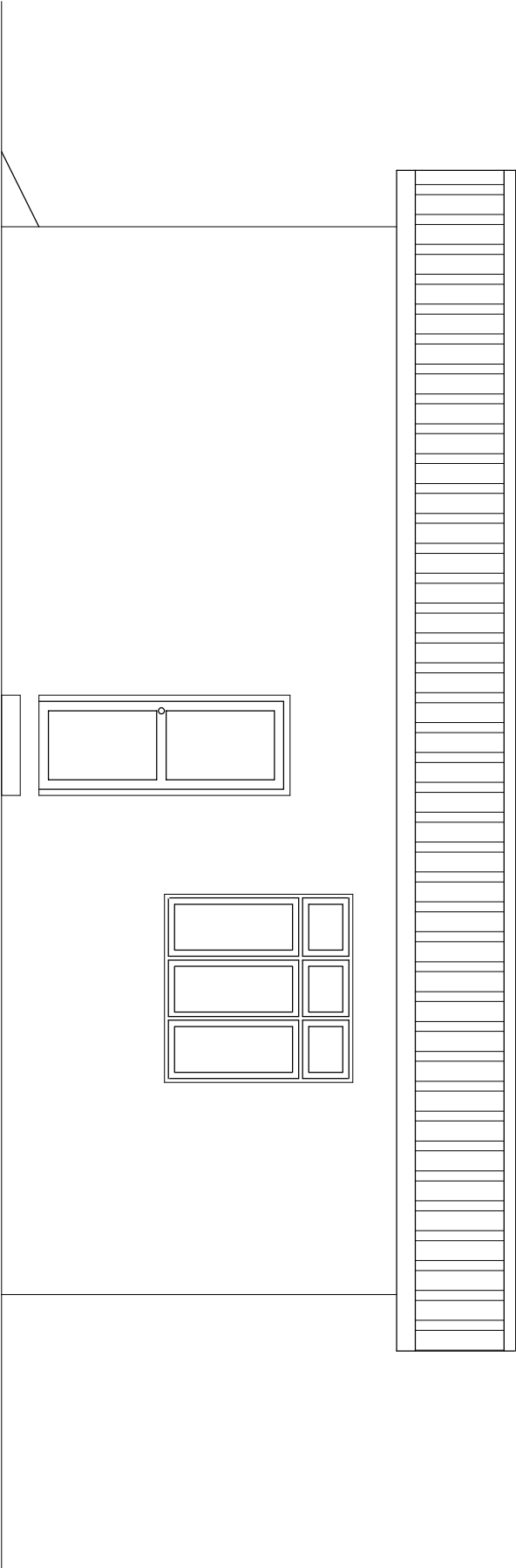
PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: MAR 2017







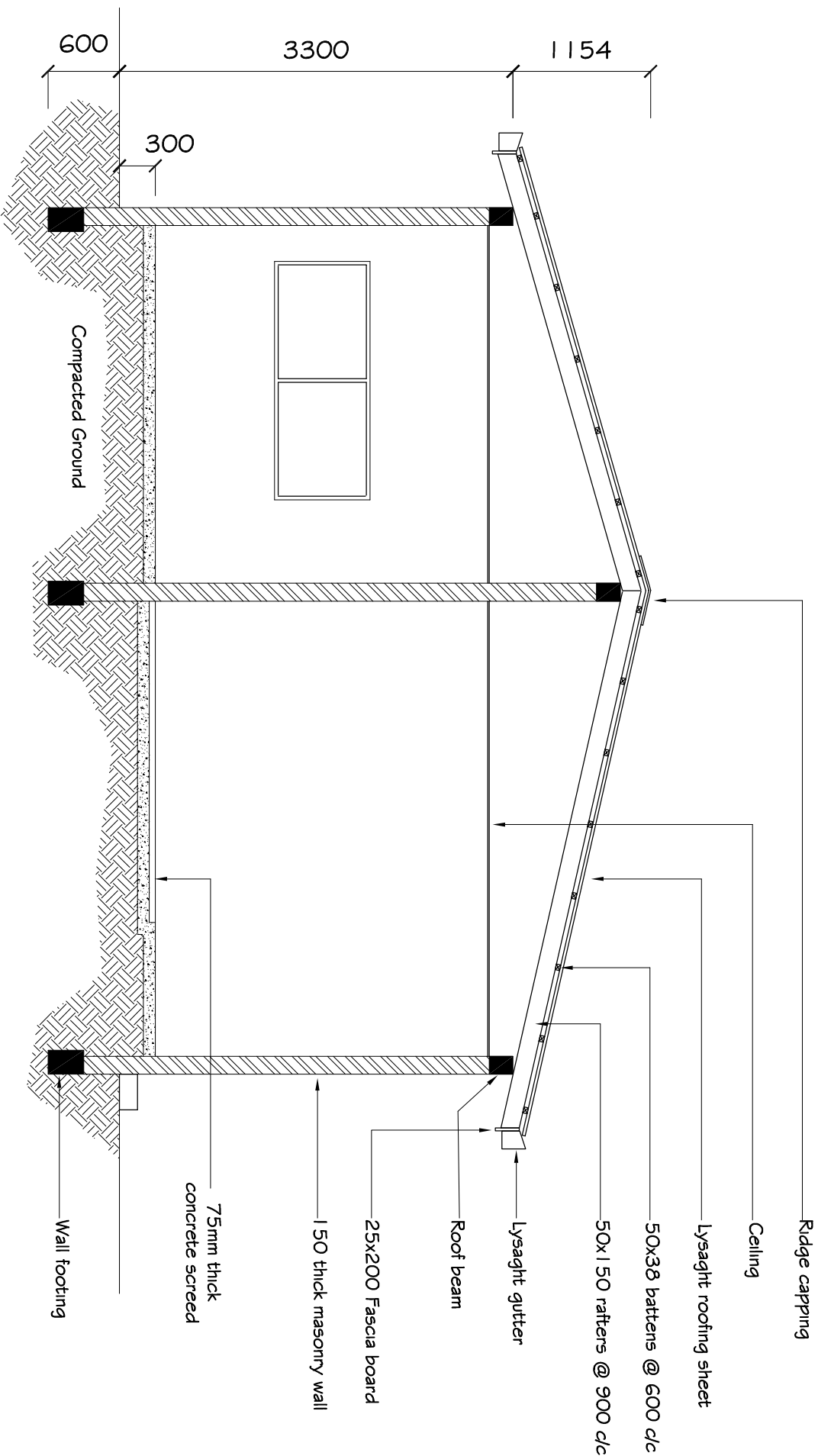
RO PLANT BUILDING  
FRONT ELEVATION R. MAAKURATHU

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: MAR 2017





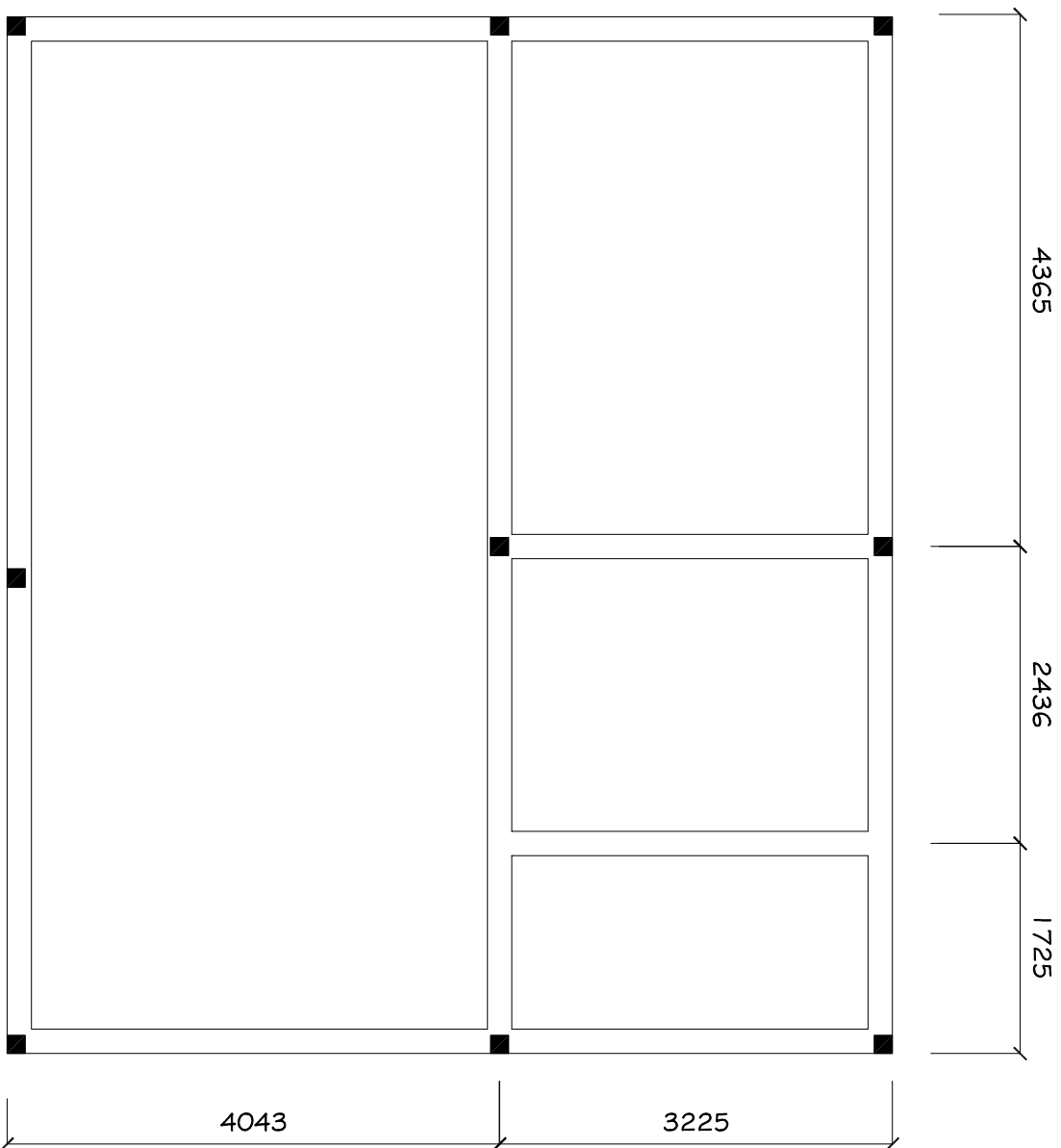
RO PLANT BUILDING  
SECTION X-X R. MAAKURATHU

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: MAR 2017





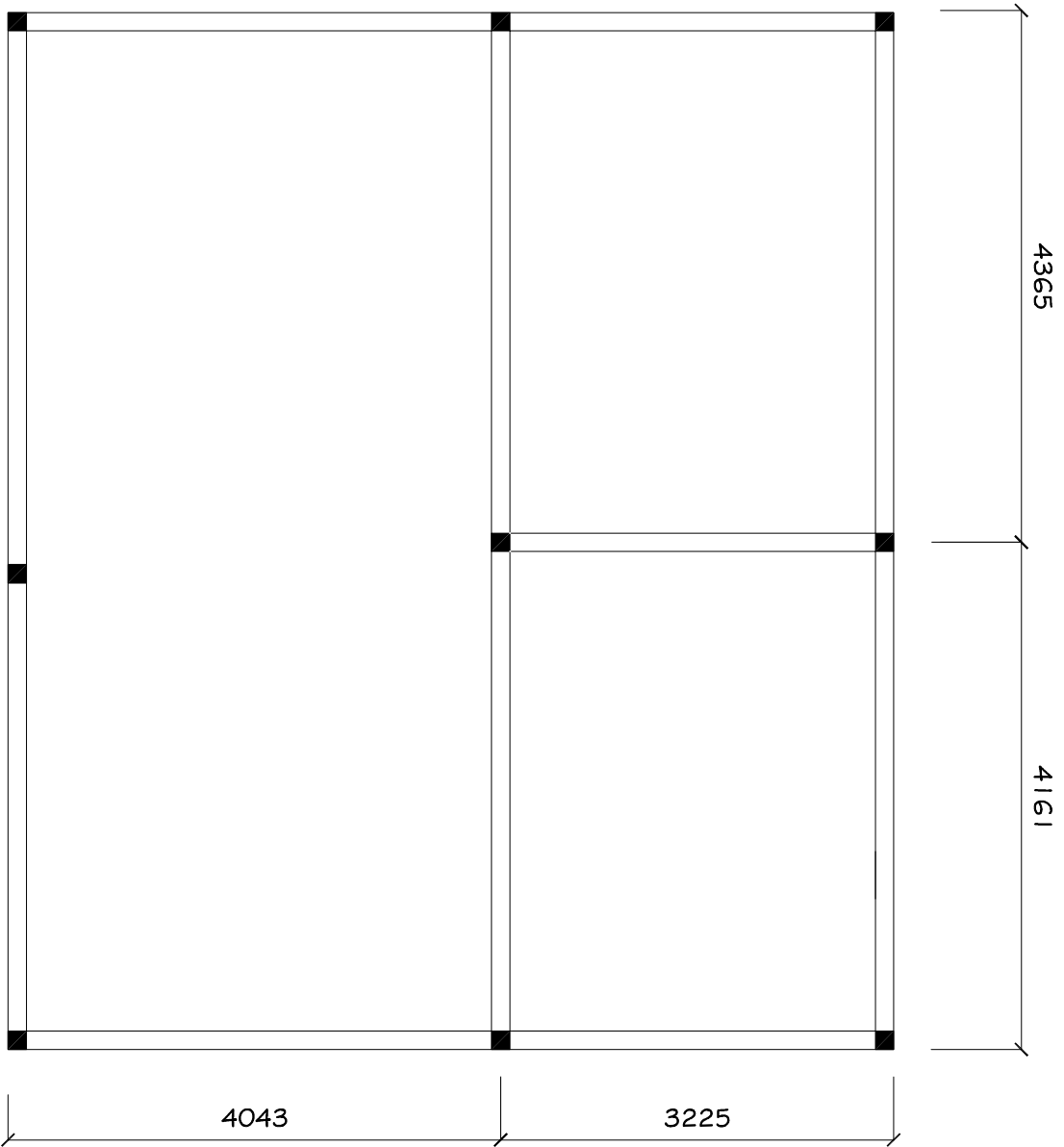
RO PLANT BUILDING  
WALL FOOTING PLAN R. MAKURATHU

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

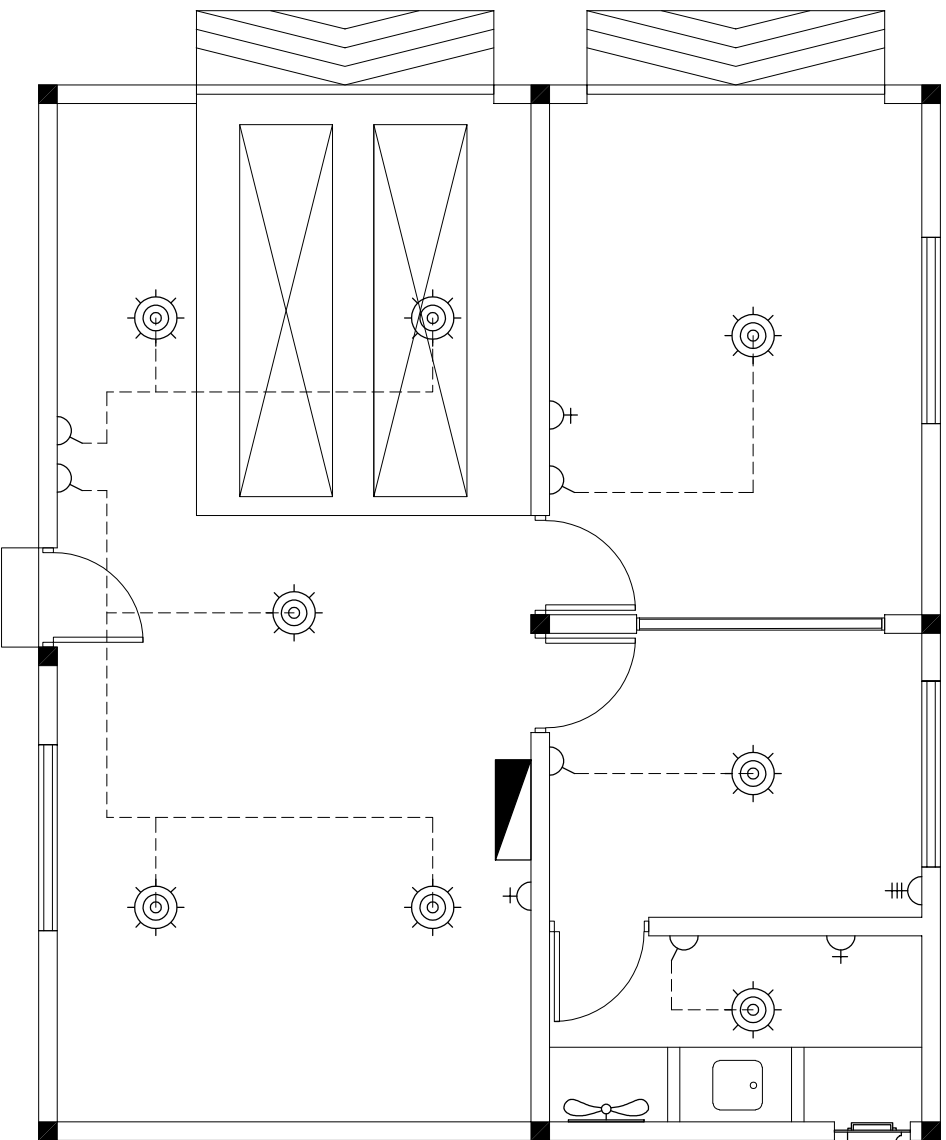
PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: MAR 2017





RO PLANT BUILDING  
ROOF BEAM PLAN R. MAAKURATHU



DISTRIBUTION BOARD

100W ENERGY SAVING LIGHT

POWER SOCKET  
[0.4m ABOVE GROUND]

POWER SOCKET  
[0.4m BELOW CEILING]

SINGLE GANG SWITCH

WALL MOUNT EXHAUST FAN

WALL MOUNT FAN



# RO PLANT BUILDING

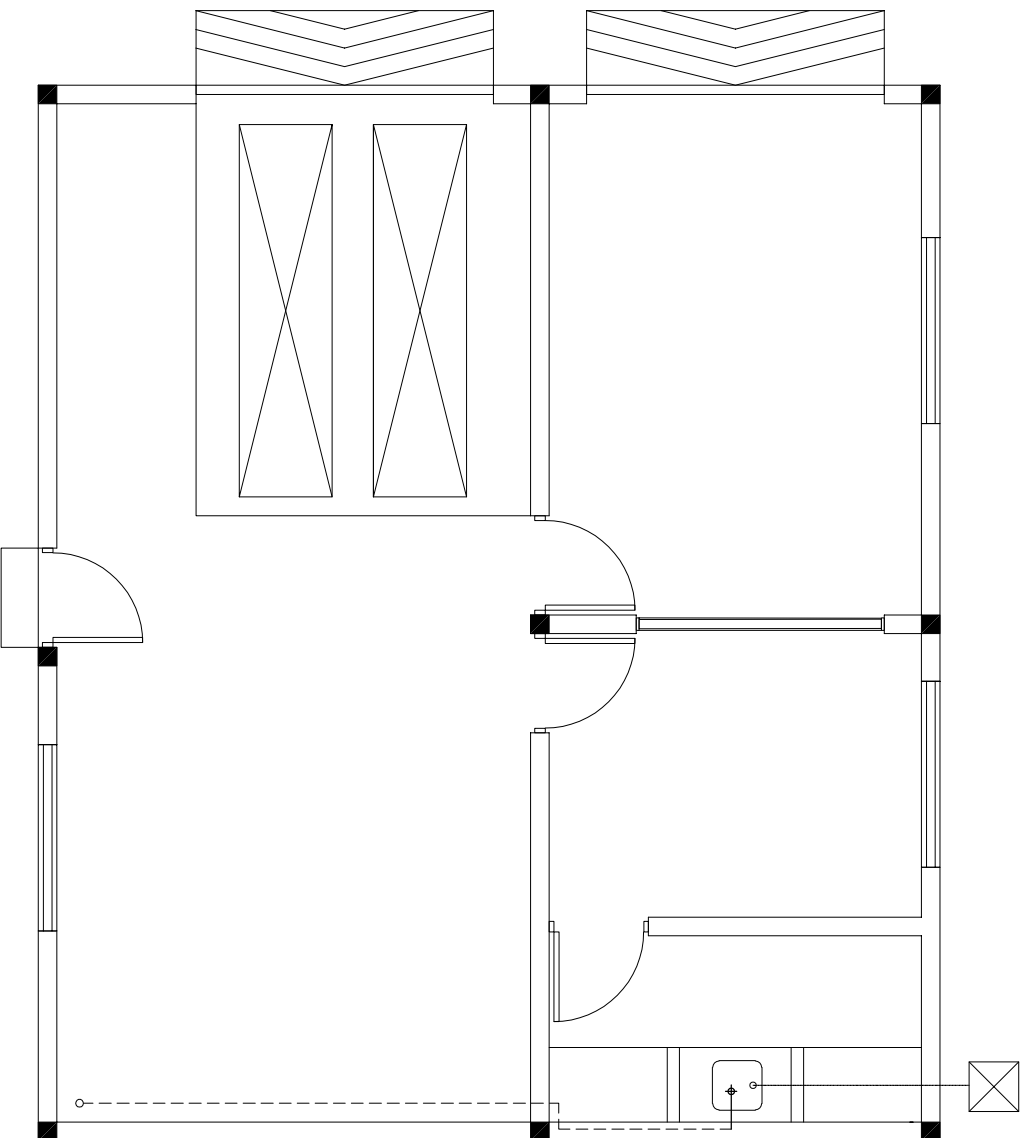
## ELECTRICAL LAYOUT R. MAAKURATHU

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: MAR 2017





— $\phi$ — PVC Sink Tap

— $\boxtimes$ — Soak pit

--- 25mm PVC Pipe

— 50mm PVC Train Pipe

## RO PLANT BUILDING

### PLUMBING LAYOUT R. MAAKURATHU

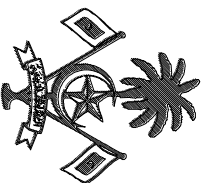
PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: MAR 2017

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

# N. MAAFARU RO PLANT BUILDING AND WATER SUPPLY FACILITY



WATER SUPPLY COMPONENT

OFID PROJECT

MINISTRY OF ENVIRONMENT AND ENERGY

---

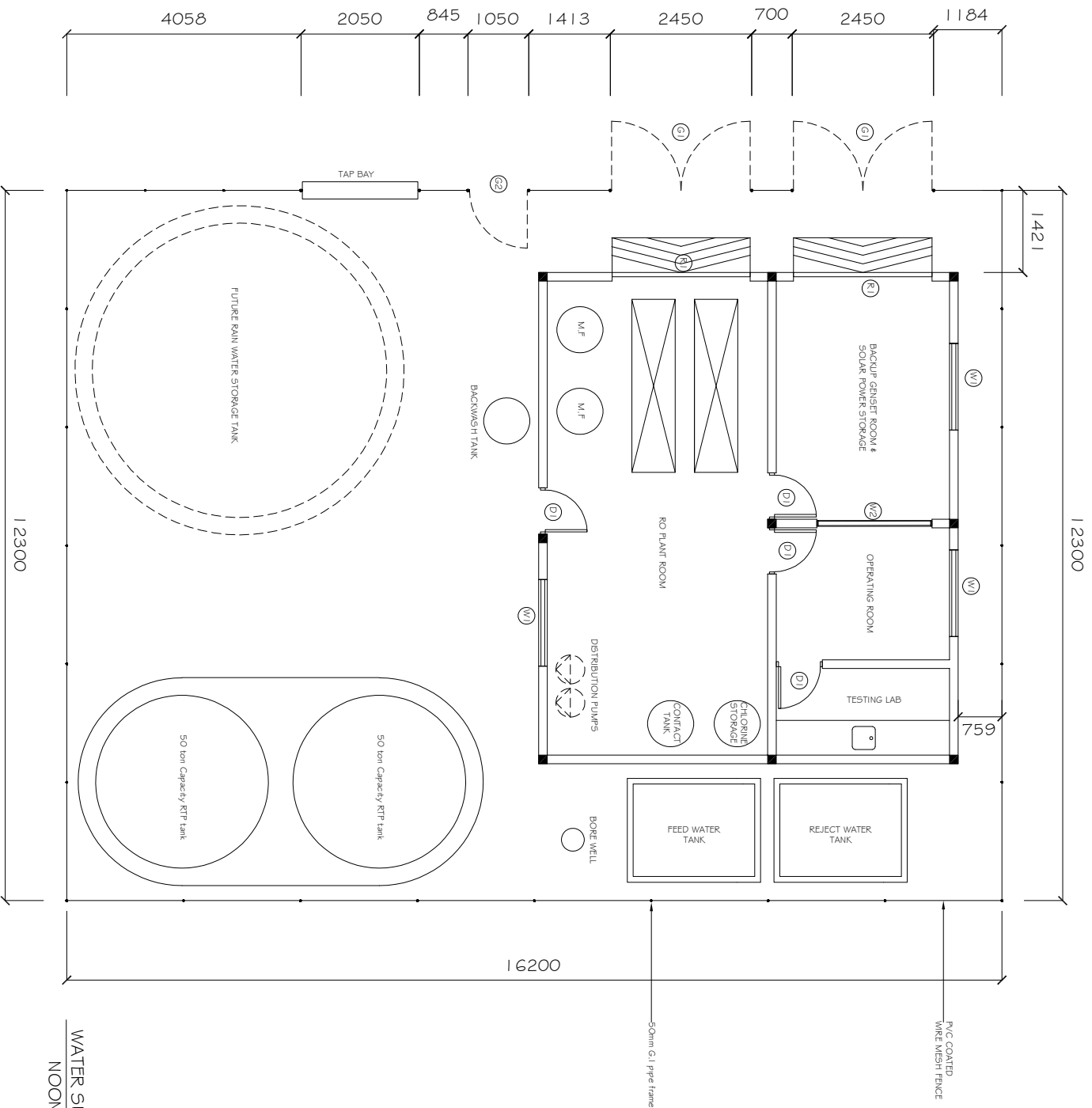
HANDUVAREE HINGUN MALE 20-01  
REPUBLIC OF MALDIVES

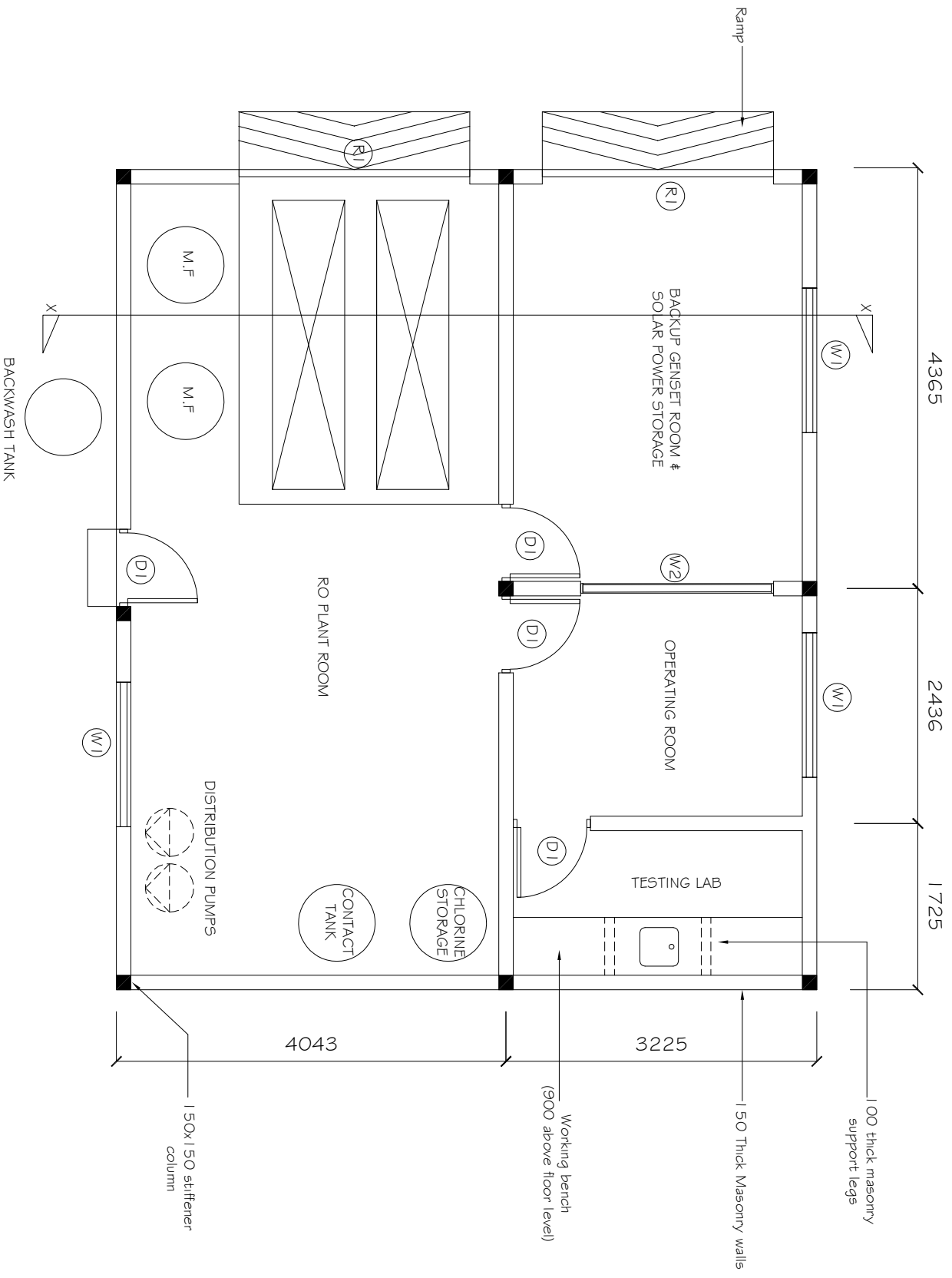




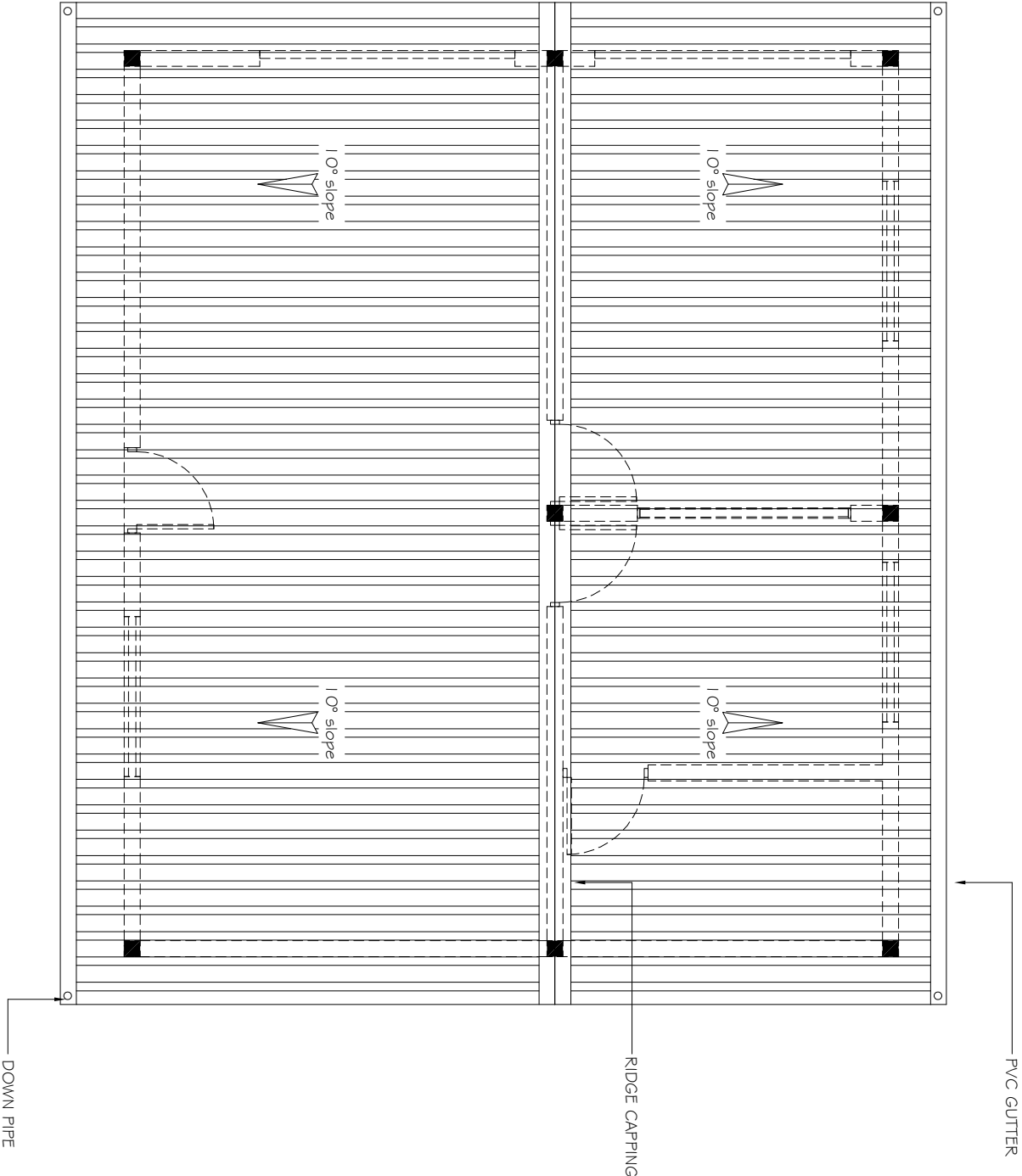
RO PLANT BUILDING AND CRITICAL DEVELOPMENTS

N. MAAFARU

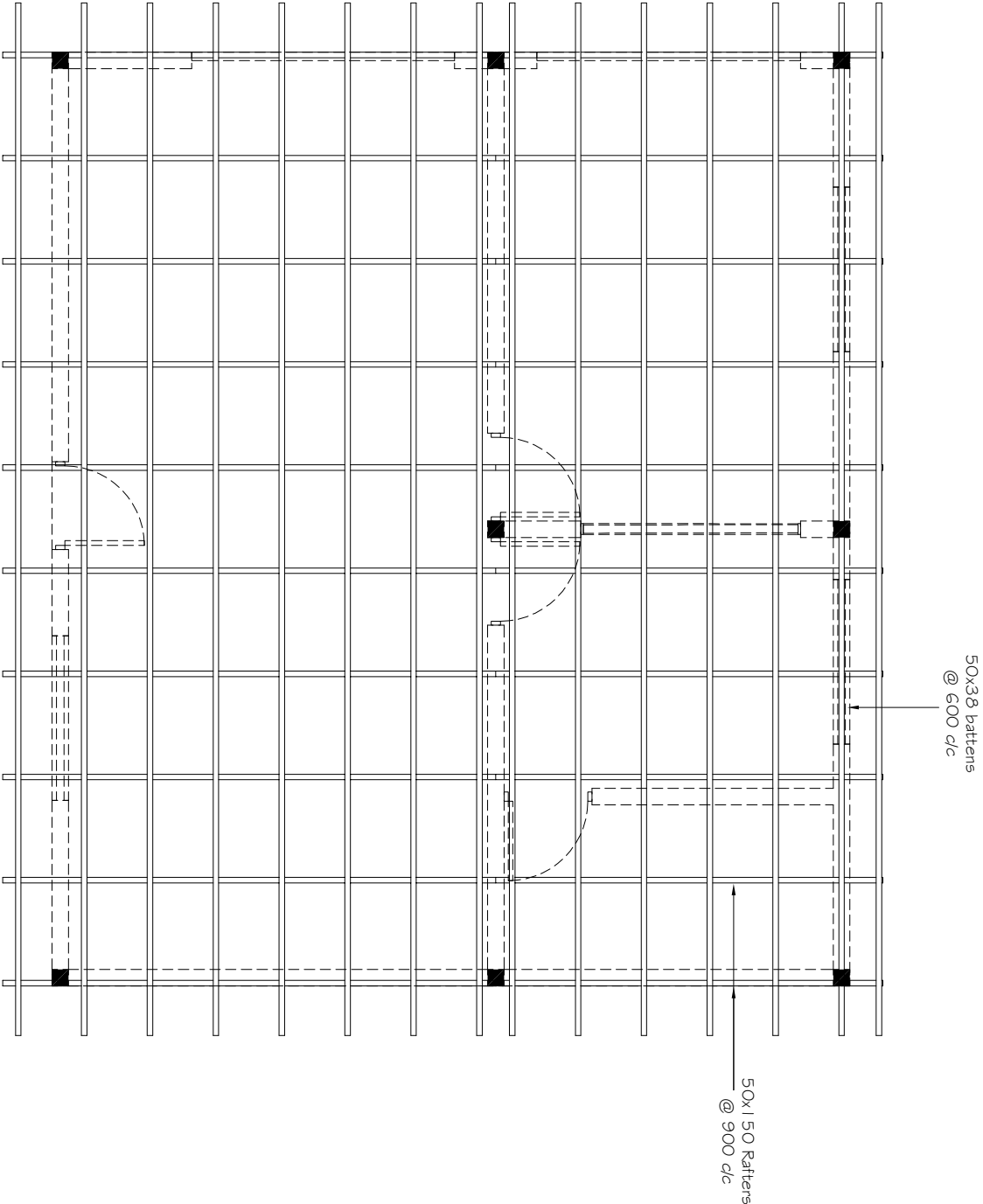




RO PLANT BUILDING  
FLOOR PLAN N. MAAFARU



RO PLANT BUILDING  
ROOF PLAN N. MAAFARU



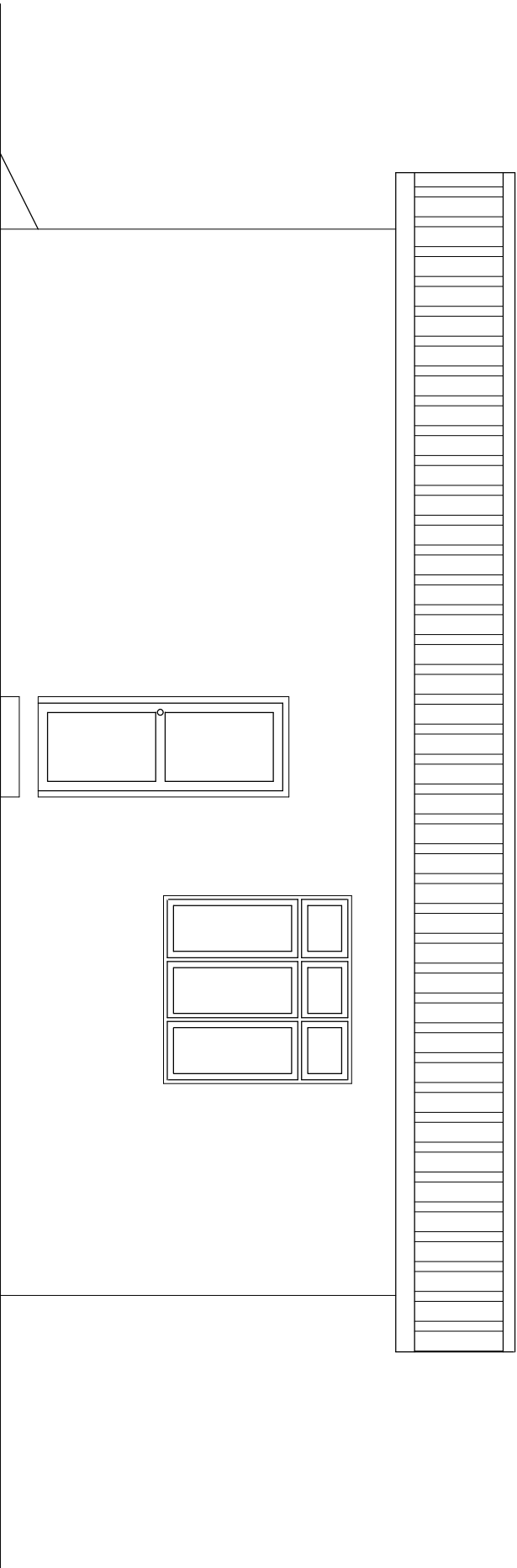
RO PLANT BUILDING  
ROOF STRUCTURE N. MAAFARU

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

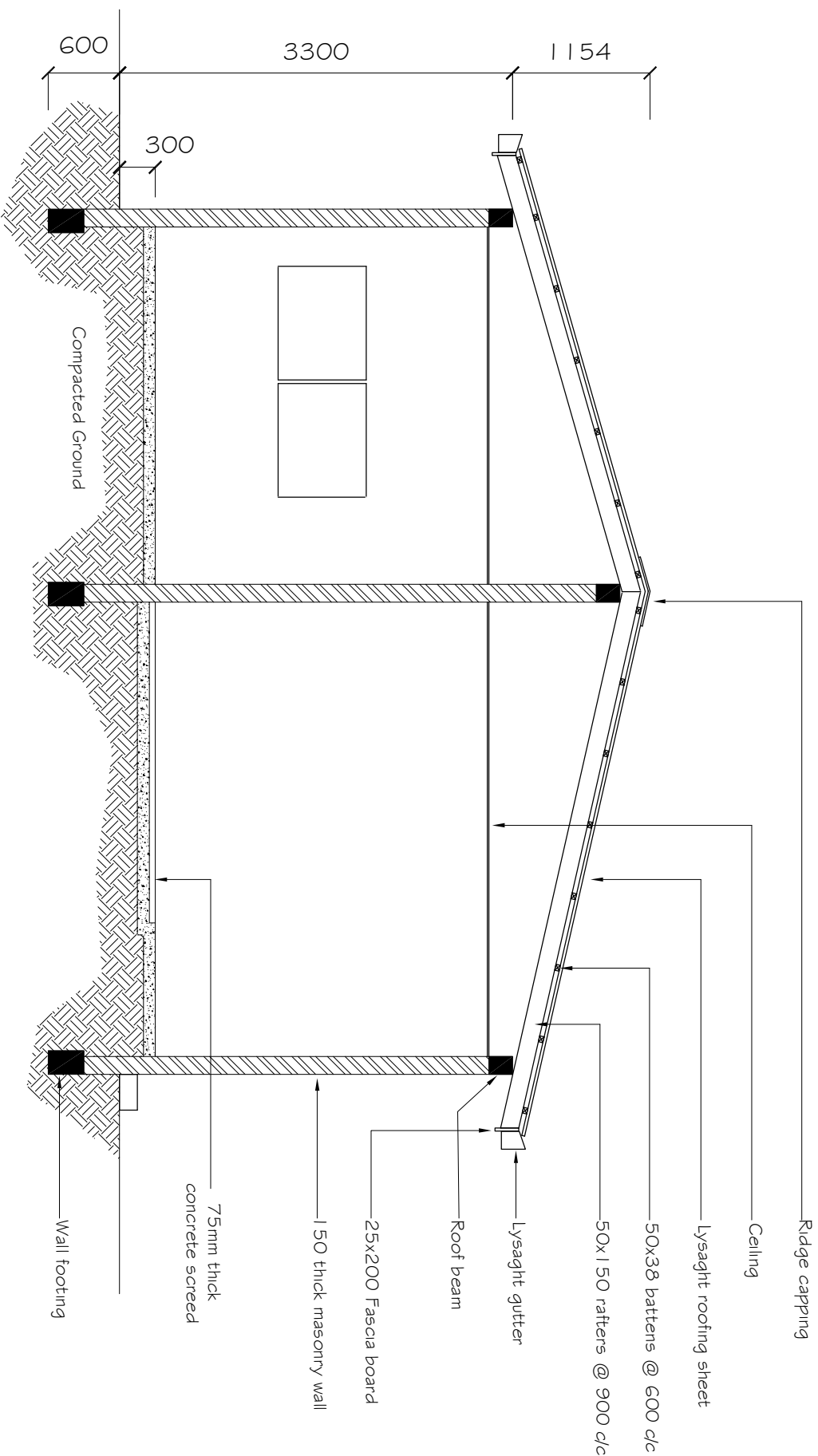
PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: APR 2017



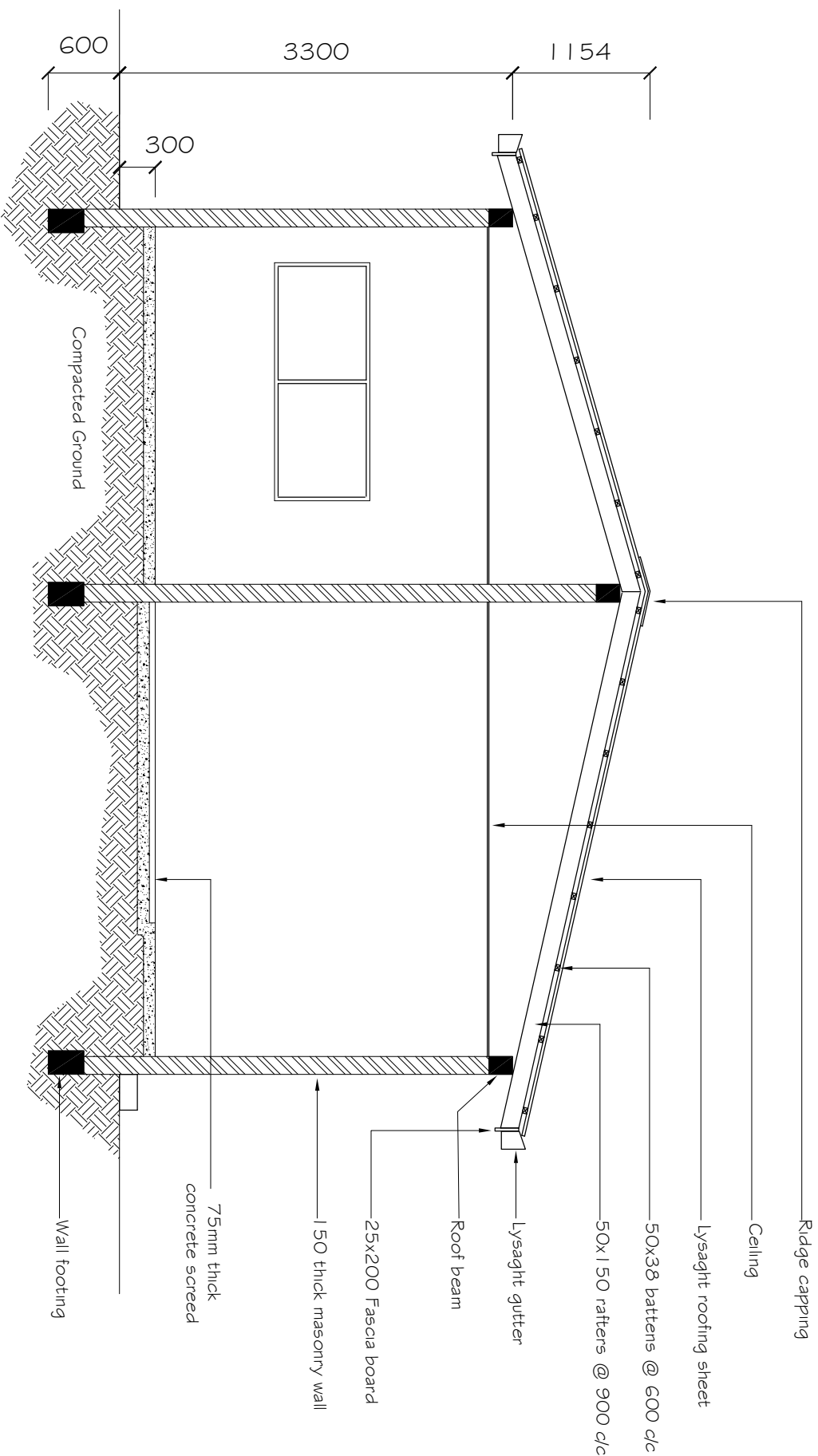


RO PLANT BUILDING  
FRONT ELEVATION N. MAAFARU



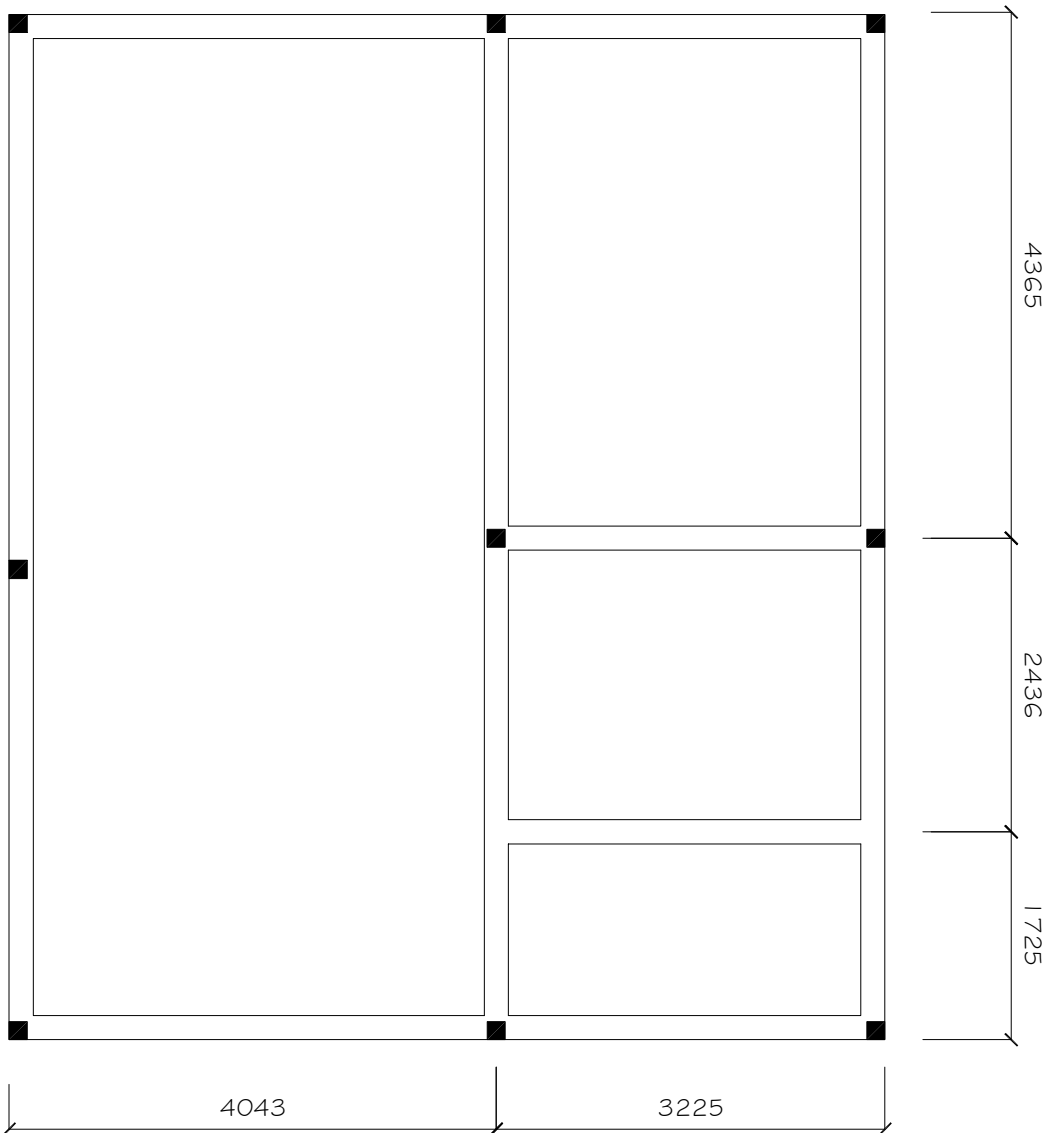
RO PLANT BUILDING  
SECTION X-X N. MAAFARU





RO PLANT BUILDING

SECTION X-X N. MAAFARU



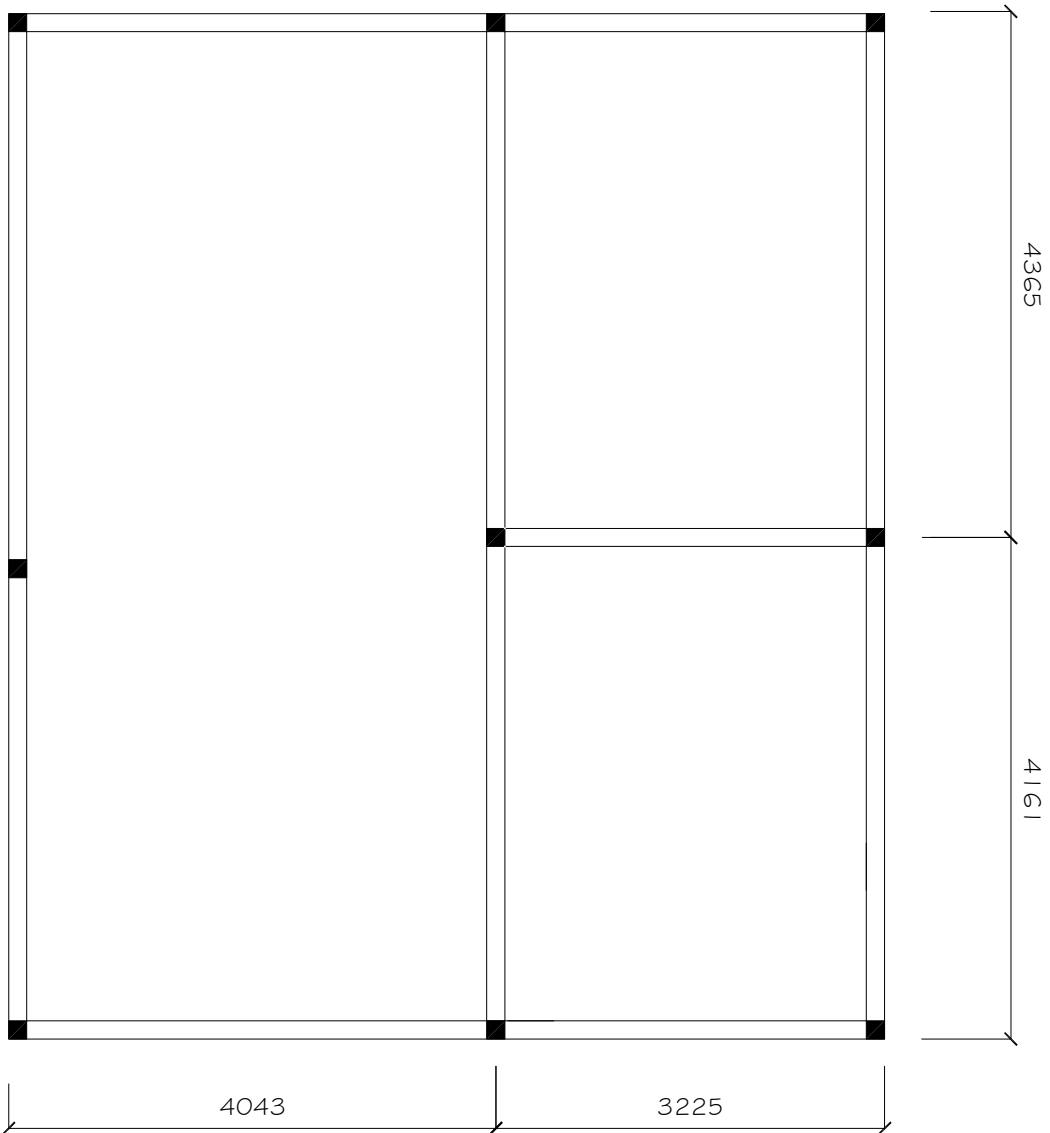
RO PLANT BUILDING  
WALL FOOTING PLAN N. MAAFARU

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: APR 2017





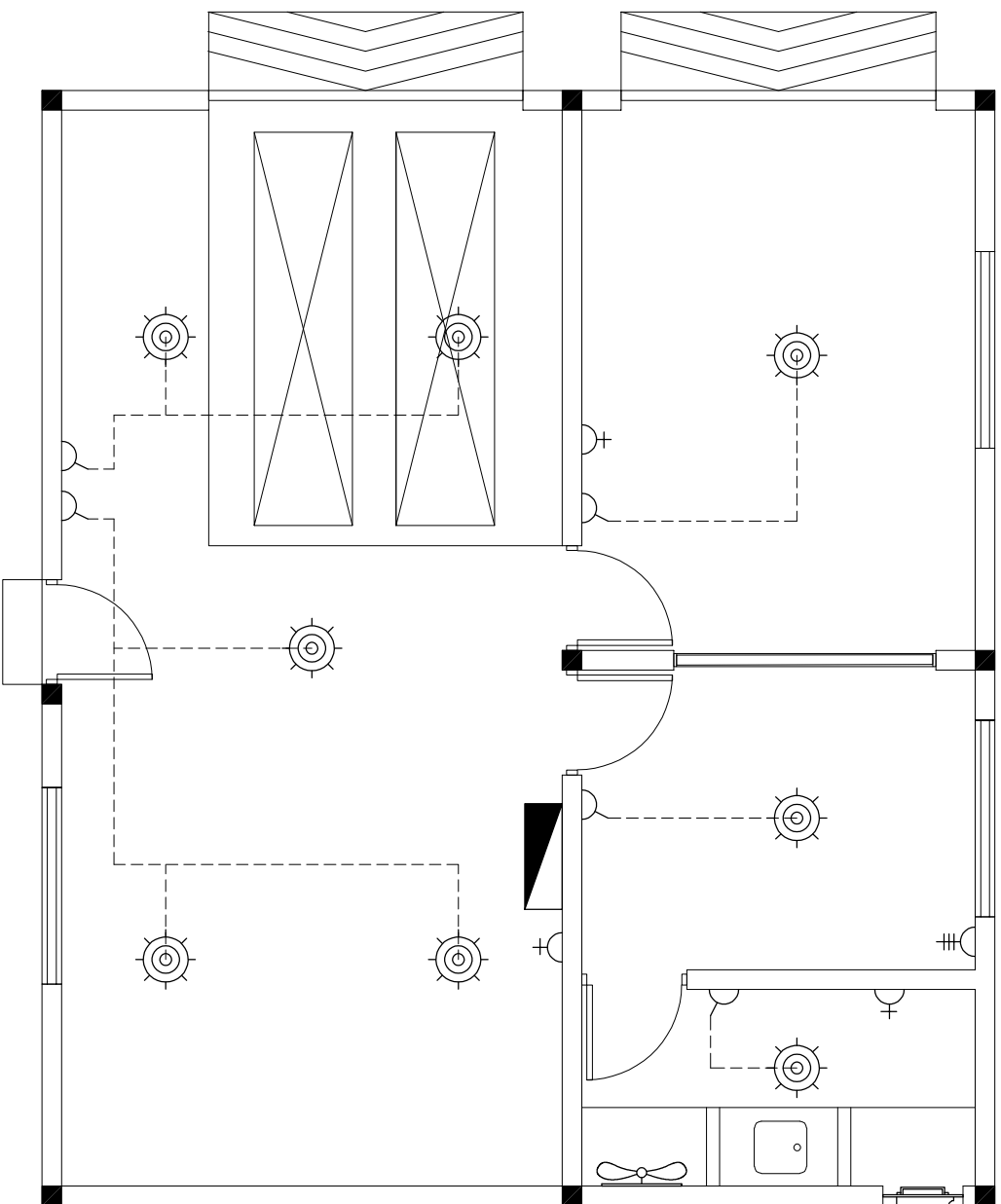
RO PLANT BUILDING  
ROOF BEAM PLAN N. MAAFARU

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

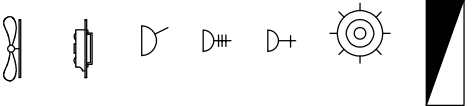
PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: APR 2017



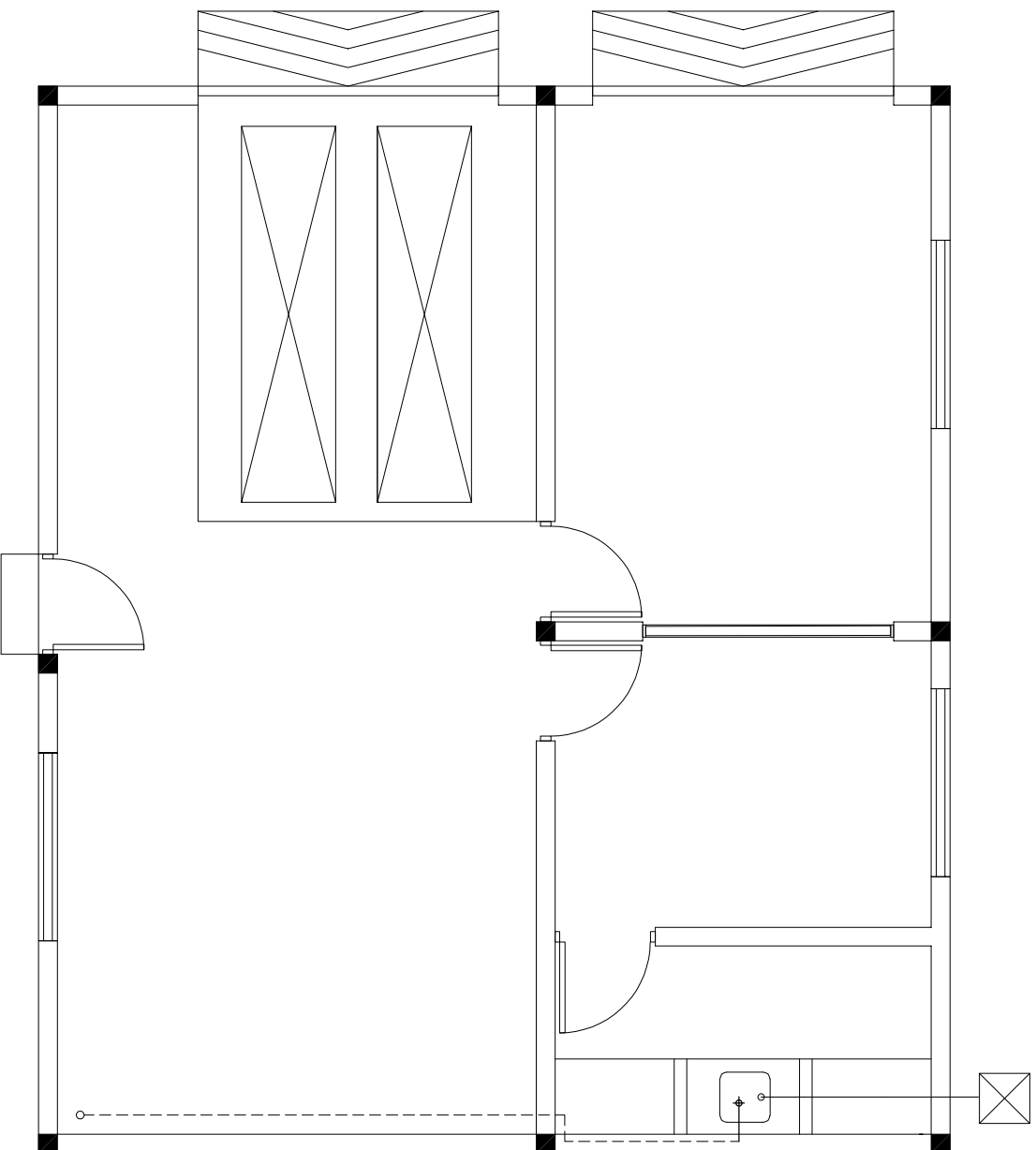


- DISTRIBUTION BOARD
- 100W ENERGY SAVING LIGHT
- POWER SOCKET  
[0.4m ABOVE GROUND]
- POWER SOCKET  
[0.4m BELOW CEILING]
- SINGLE GANG SWITCH
- WALL MOUNT EXHAUST FAN
- WALL MOUNT FAN



RO PLANT BUILDING

ELECTRICAL LAYOUT N. MAAFARU



— $\phi$ — PVC Sink Tap

Soak pit

--- 25mm PVC Pipe

— 50mm PVC Train Pipe

# RO PLANT BUILDING

## PLUMBING LAYOUT N. MAAFARU

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

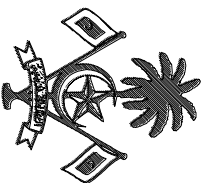
PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: APR 2017



PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

# R. INGURAIDHOO RO PLANT BUILDING AND WATER SUPPLY FACILITY



WATER SUPPLY COMPONENT  
OFID PROJECT  
MINISTRY OF ENVIRONMENT AND ENERGY  
HANDHUVAREE HINGUN MALÉ 20-01  
REPUBLIC OF MALDIVES



HARBOUR KIOSK

SUPPLY PIPE TO  
HARBOUR KIOSK

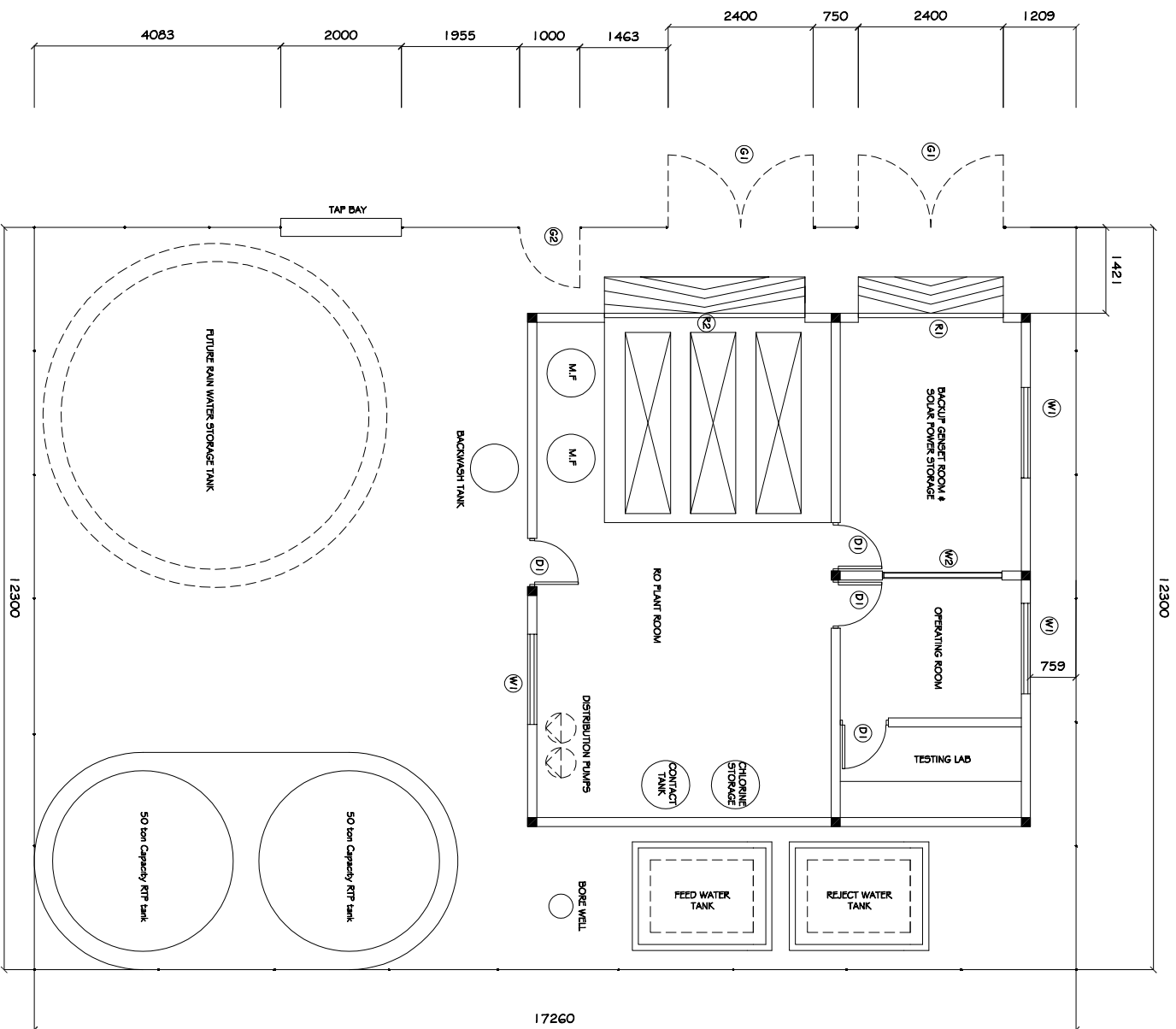
RO PLANT  
BUILDING AND  
STORAGE TANK

TAP BAY

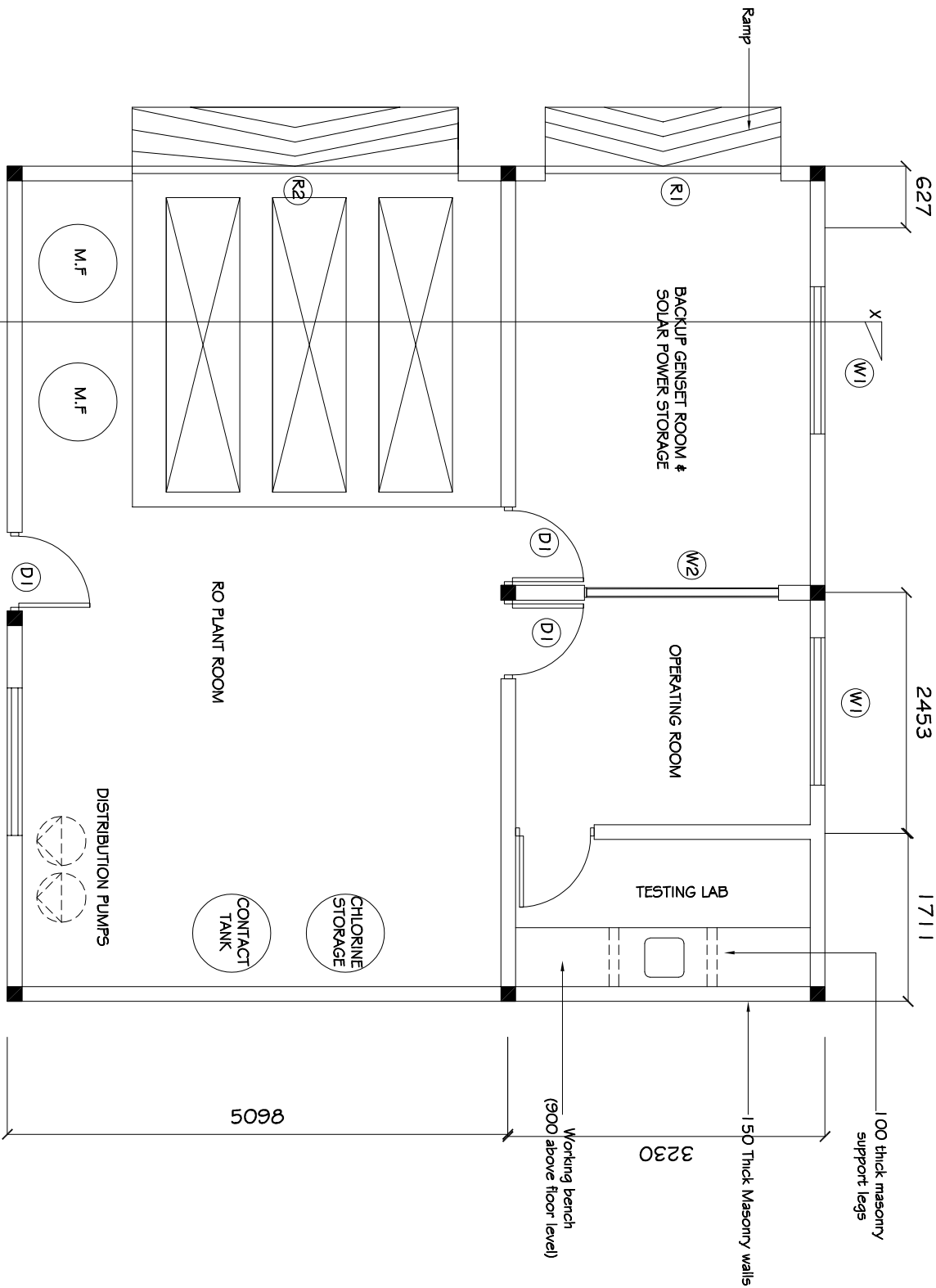
BRINE OUT-FALL PIPE

RO PLANT BUILDING AND CRITICAL  
DEVELOPMENTS  
R. INGU RAIDHOO

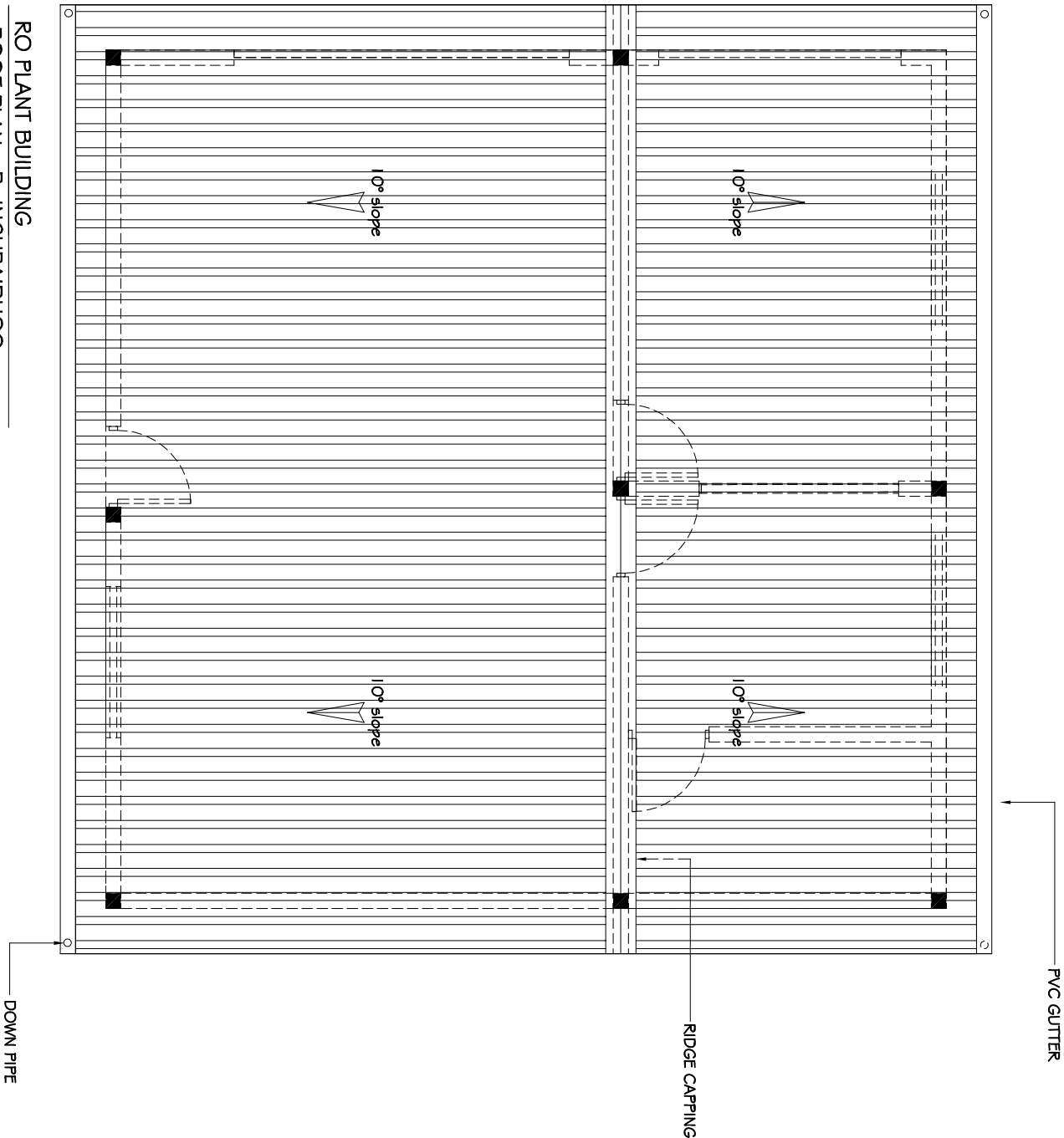




WATER SUPPLY AND STORAGE FACILITY SITE & BUILDING SITE PLAN  
RAA INGURAI DHOO



RO PLANT BUILDING  
FLOOR PLAN R. INGURAIDHOO



RO PLANT BUILDING

ROOF PLAN R. INGURAI DHOO

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

OPEC FUND FOR INTERNATIONAL DEVELOPMENT

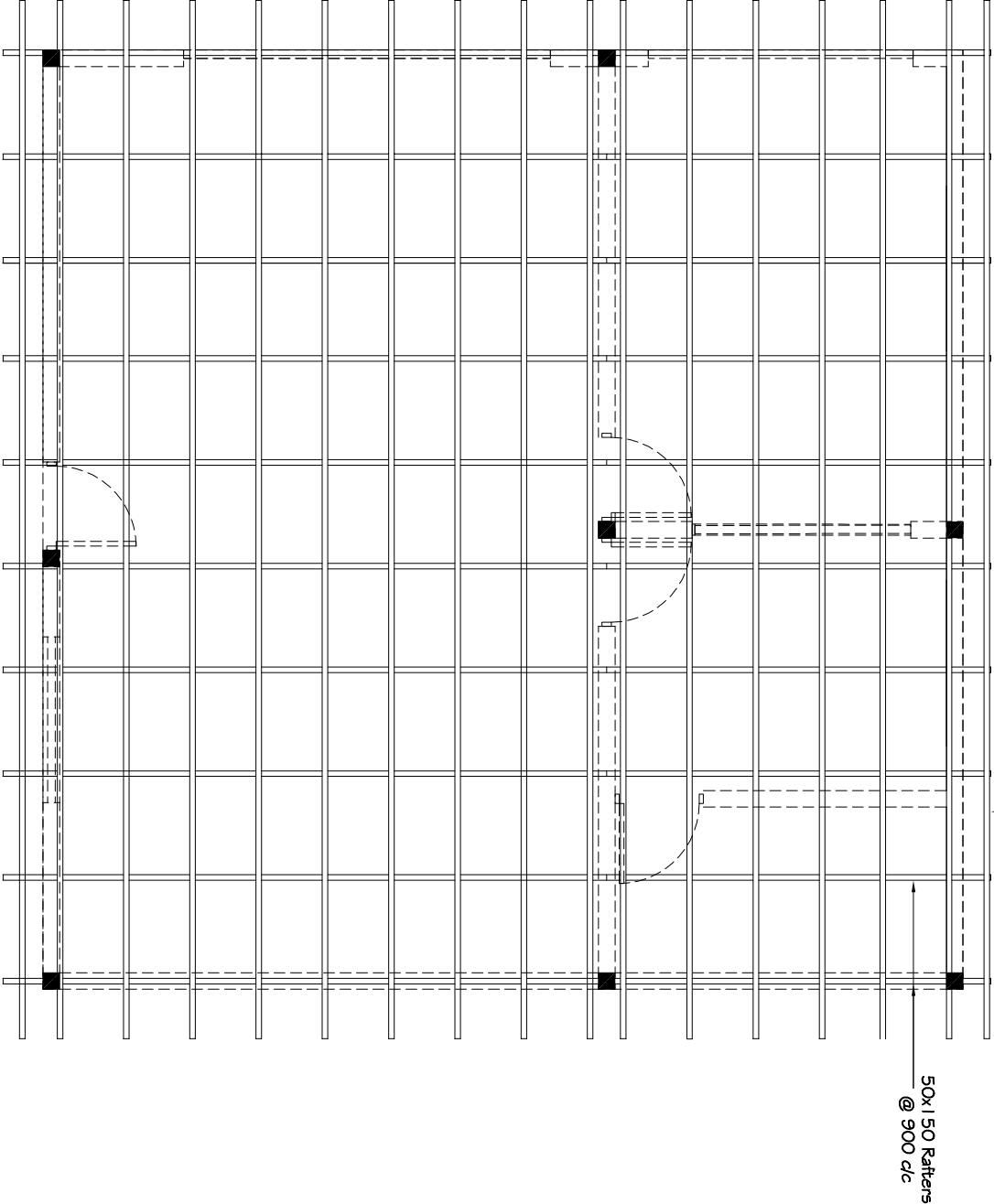
PROJECT:

1 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN

DATE: MAR 2017

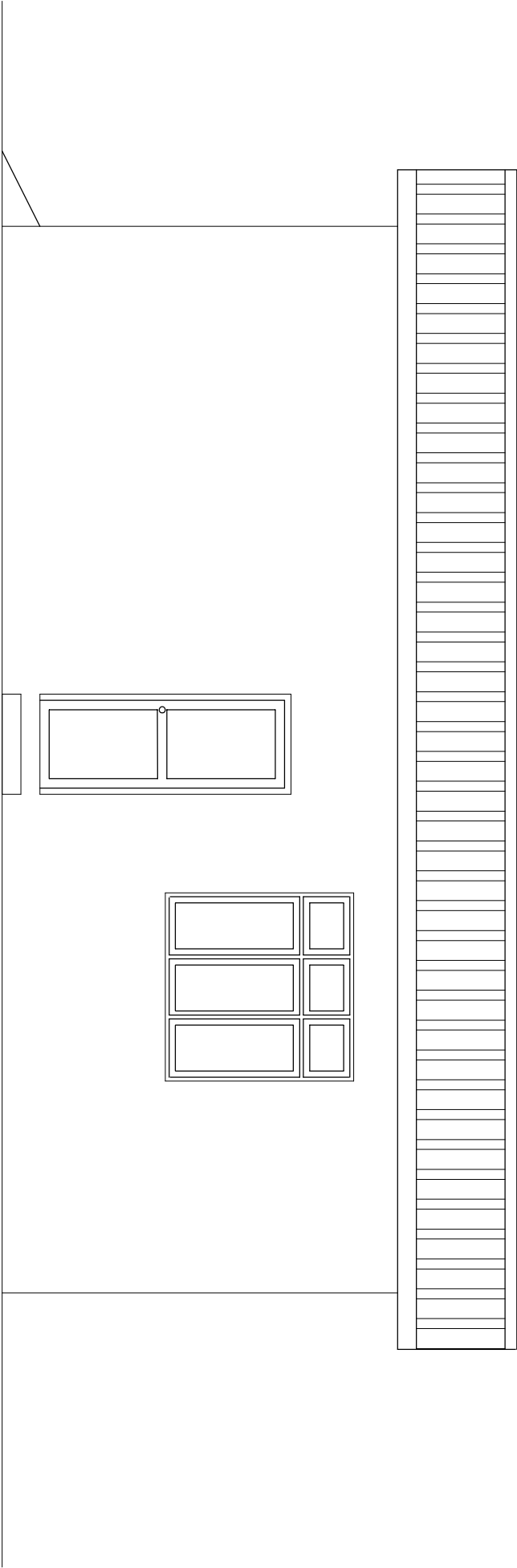




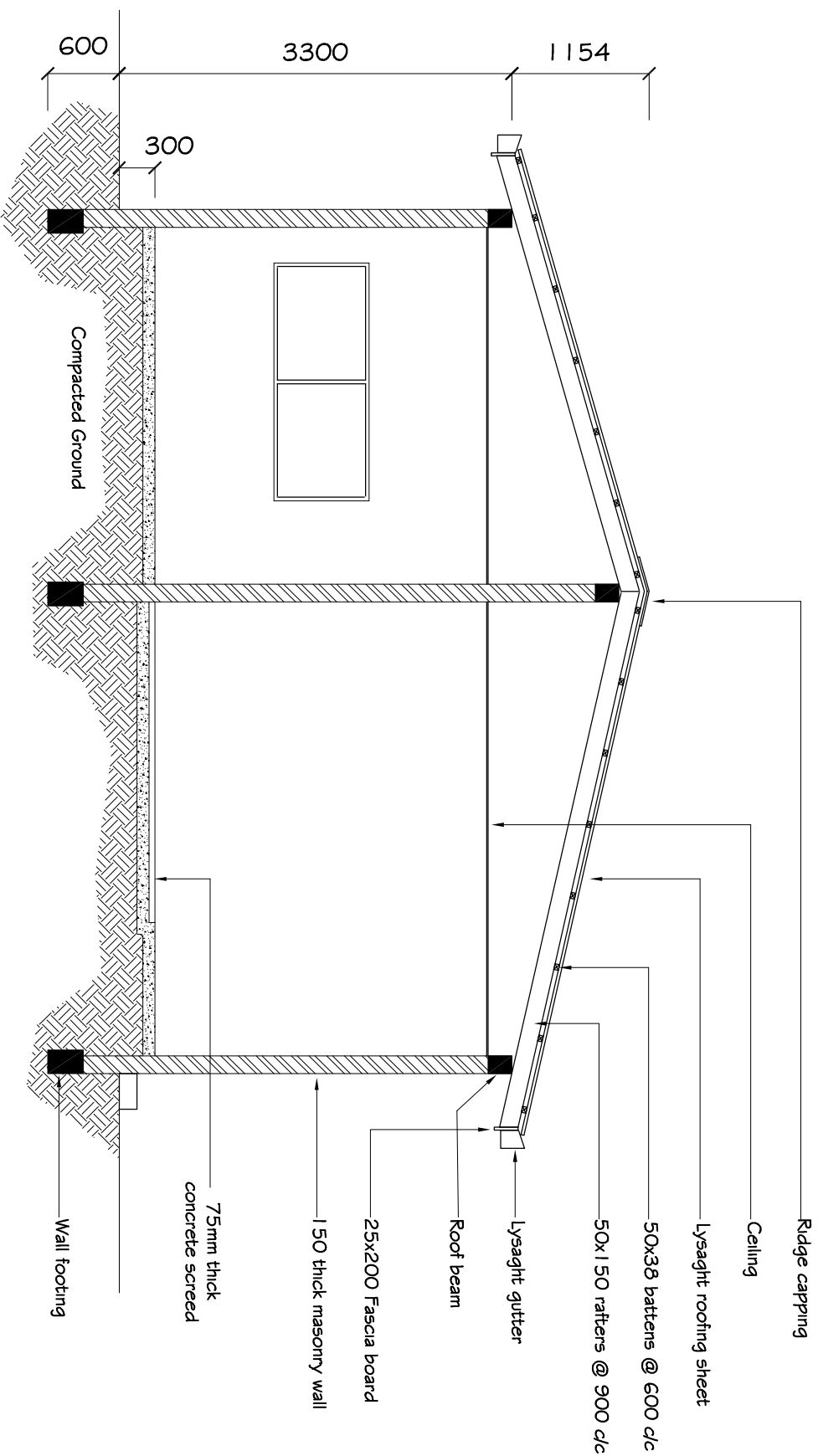
50x38 battens  
@ 600 c/c

50x150 Rafters  
@ 900 c/c

RO PLANT BUILDING  
ROOF STRUCTURE R. INGURAI DHOO



RO PLANT BUILDING  
FRONT ELEVATION R. INGURAI DHOO



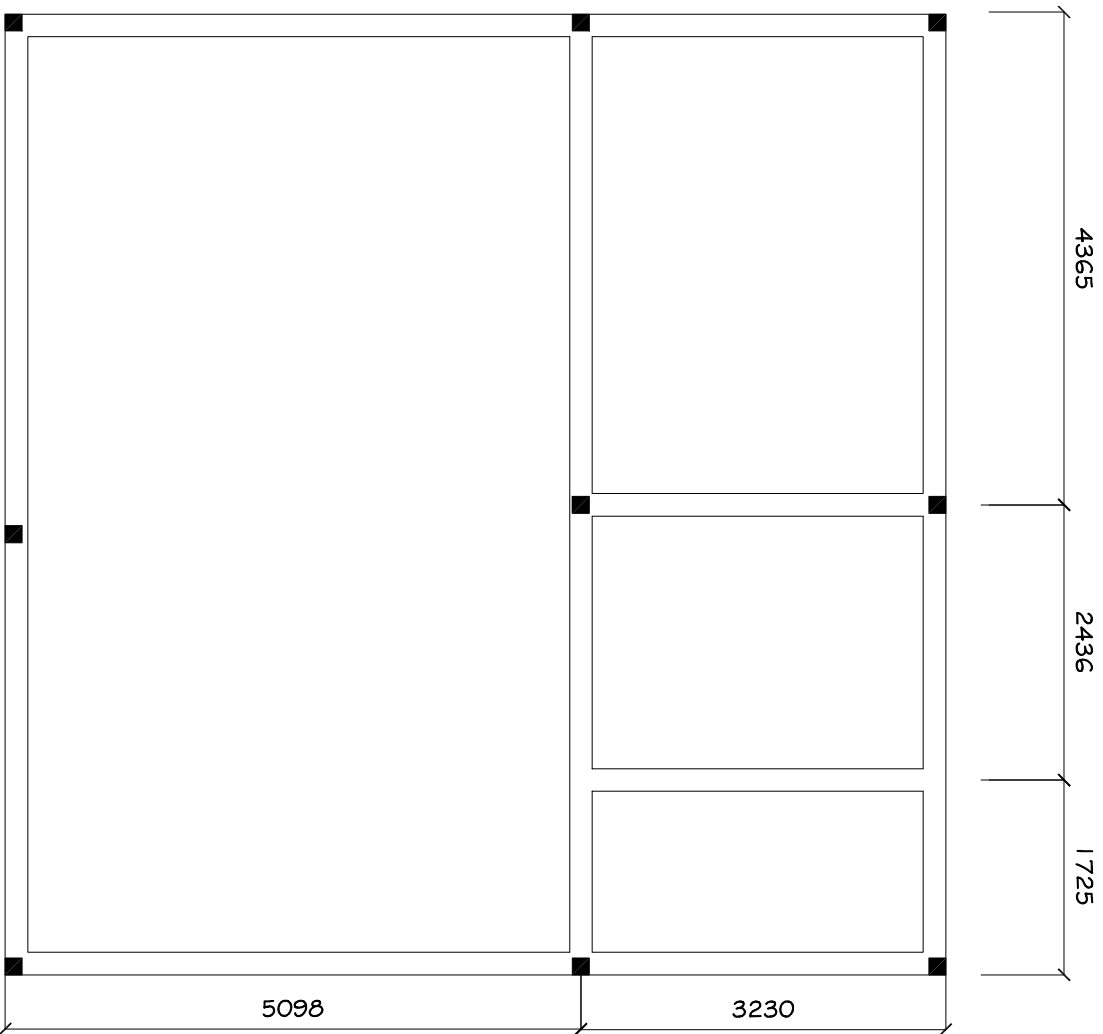
RO PLANT BUILDING  
SECTION X-X R. INGURAI DHOO

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
1/4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: MAR 2017





RO PLANT BUILDING  
WALL FOOTING PLAN. INGURAIDHOO

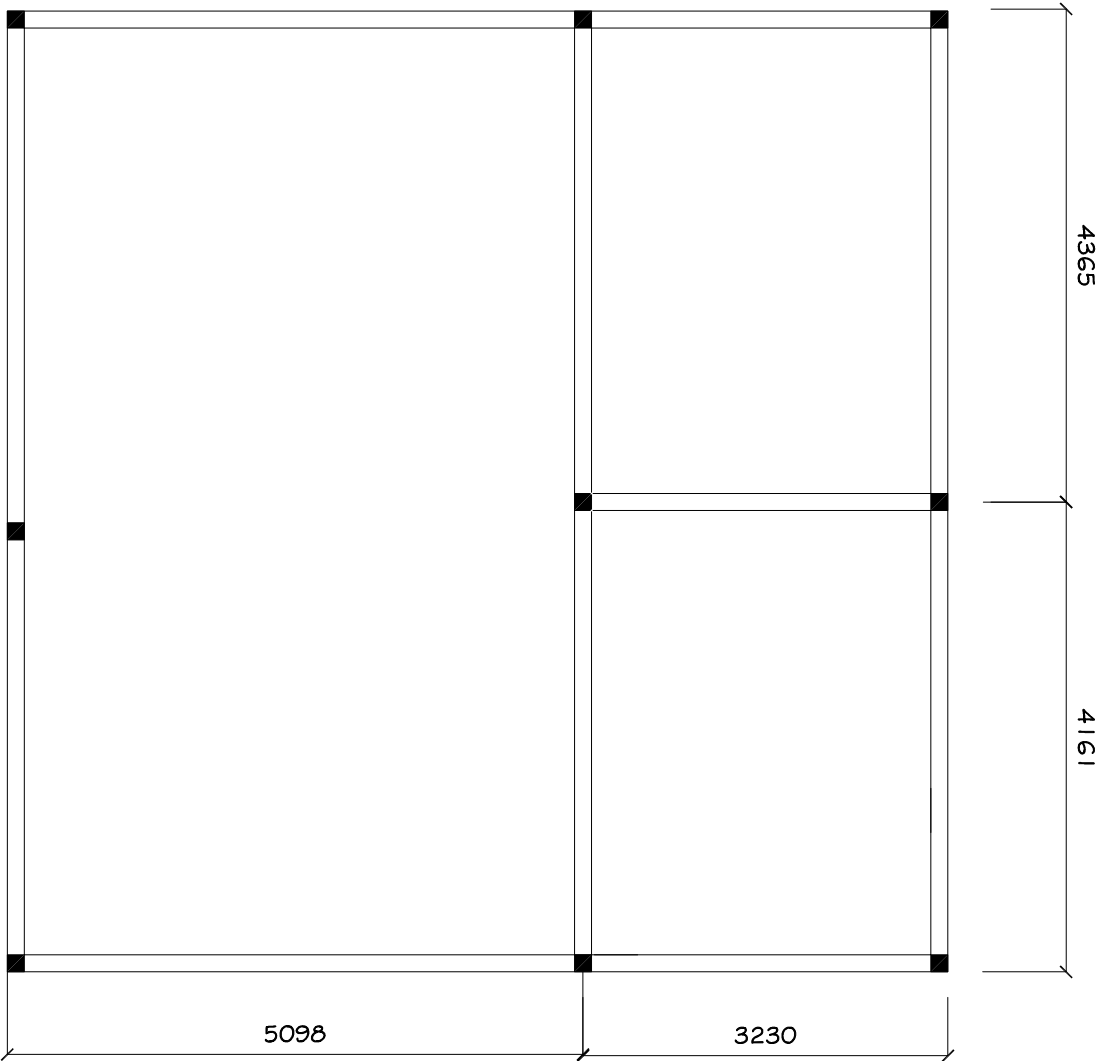
PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: MAR 2017







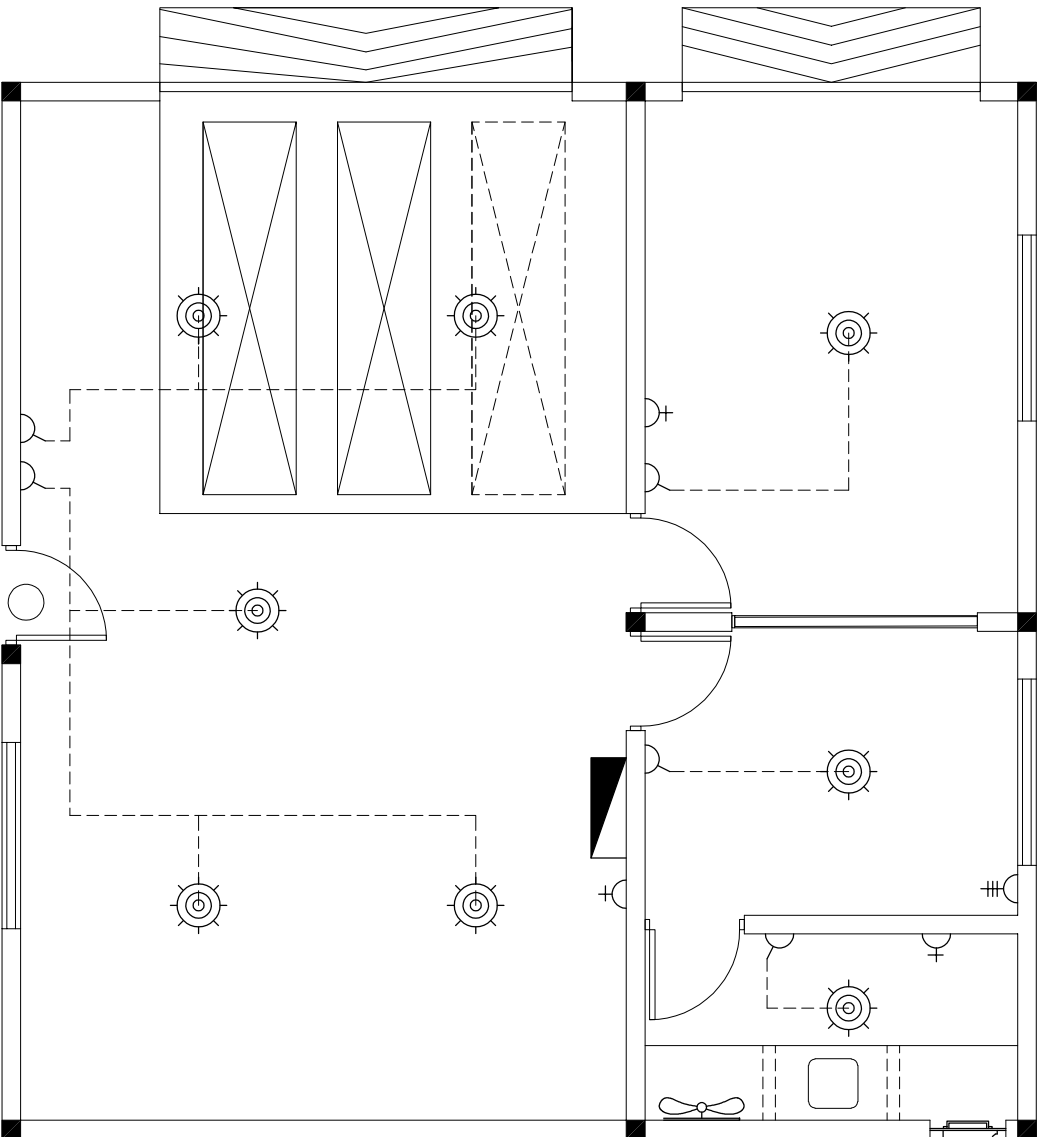
RO PLANT BUILDING  
ROOF BEAM PLAN R. INGURAIDHOO

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

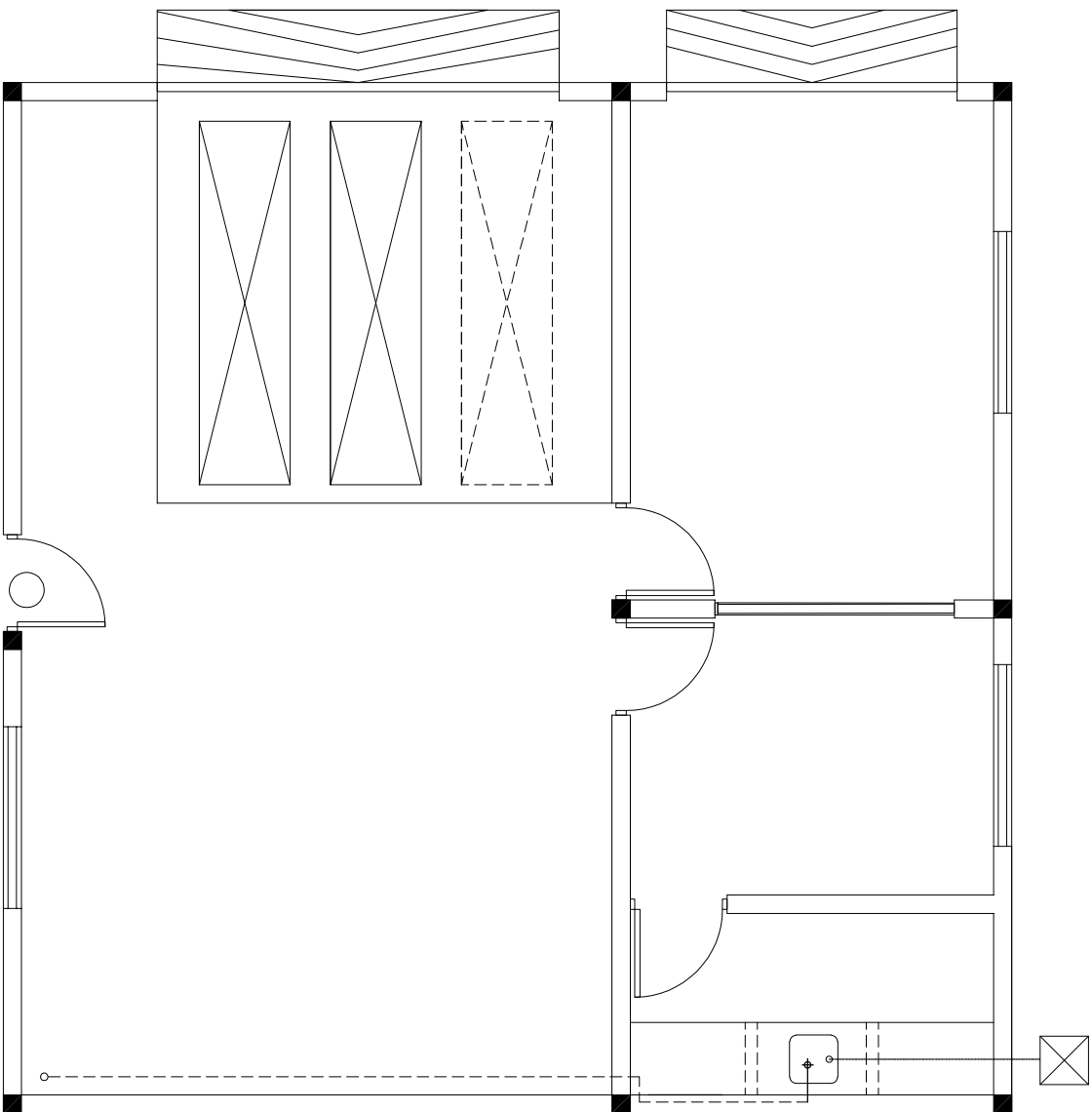
SCALE: AS SHOWN  
DATE: MAR 2017





RO PLANT BUILDING  
ELECTRICAL LAYOUT R. INGURAI DHOO

- DISTRIBUTION BOARD
- 100W ENERGY SAVING LIGHT
- POWER SOCKET  
[0.4m ABOVE GROUND]
- POWER SOCKET  
[0.4m BELOW CEILING]
- SINGLE GANG SWITCH
- WALL MOUNT EXHAUST FAN
- WALL MOUNT FAN



—○— PVC Sink Tap

—X— Soak pit

- - - 25mm PVC Pipe

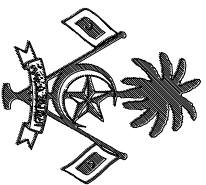
— 50mm PVC Train Pipe

# RO PLANT BUILDING

## PLUMBING LAYOUT R. INGURAI DHOO

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

# N. HOLHUDHOO RO PLANT BUILDING AND WATER SUPPLY FACILITY



WATER SUPPLY COMPONENT  
OFID PROJECT  
MINISTRY OF ENVIRONMENT AND ENERGY

---

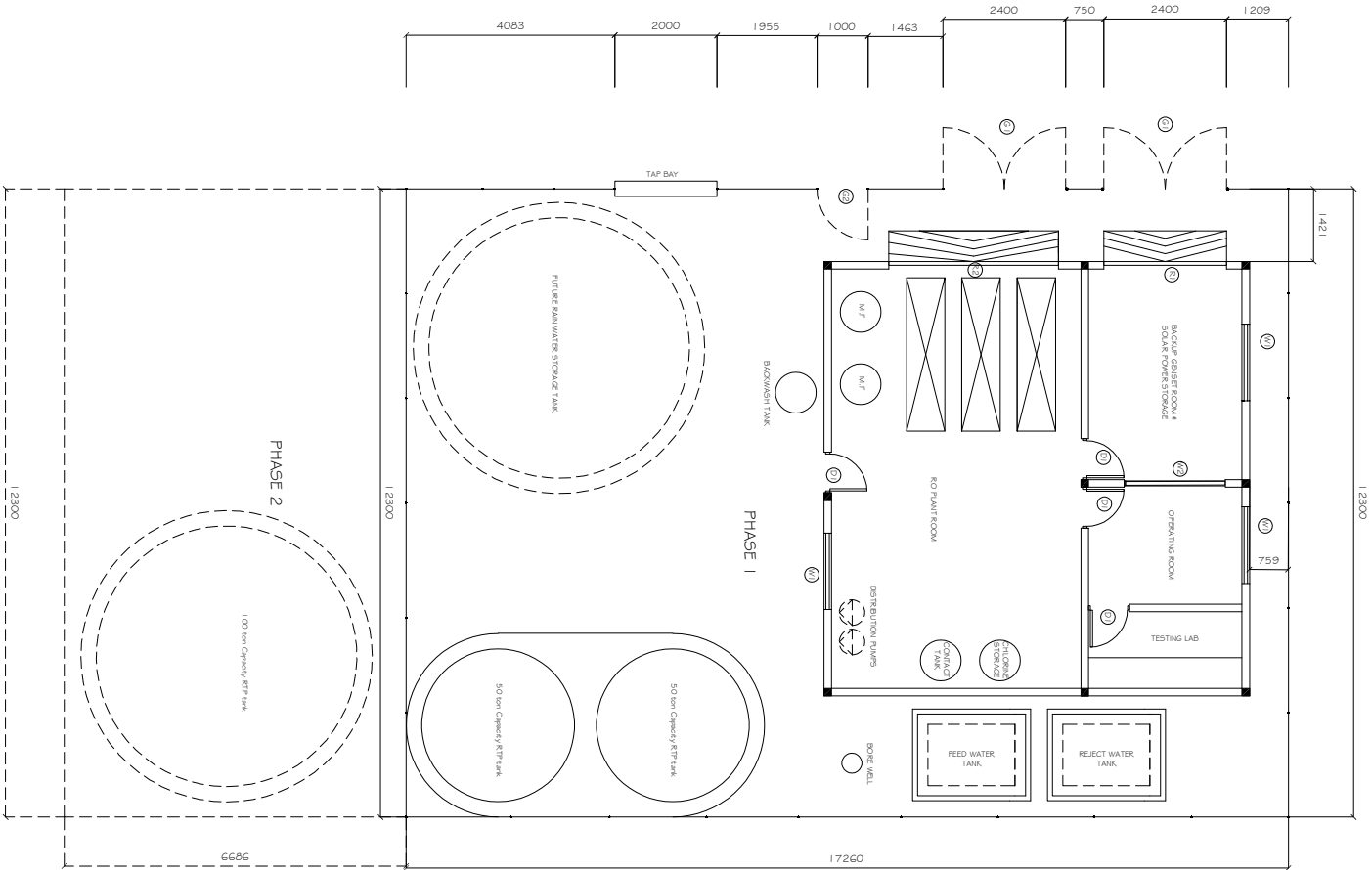
HANDHUVAREE HINGUN MALE 20-01  
REPUBLIC OF MALDIVES



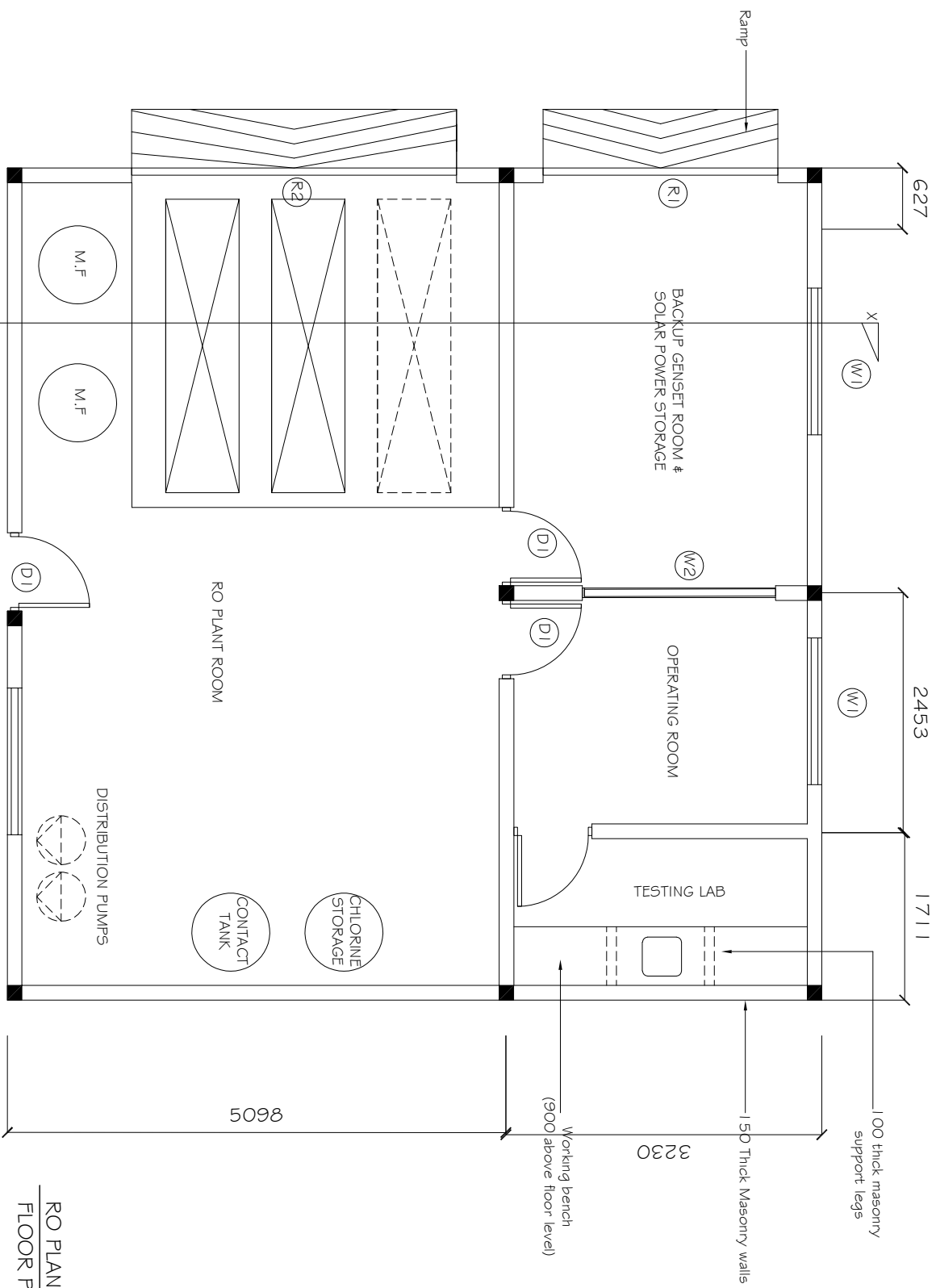
RO PLANT BUILDING AND CRITICAL DEVELOPMENTS

---

N. HOLHUDDHOO

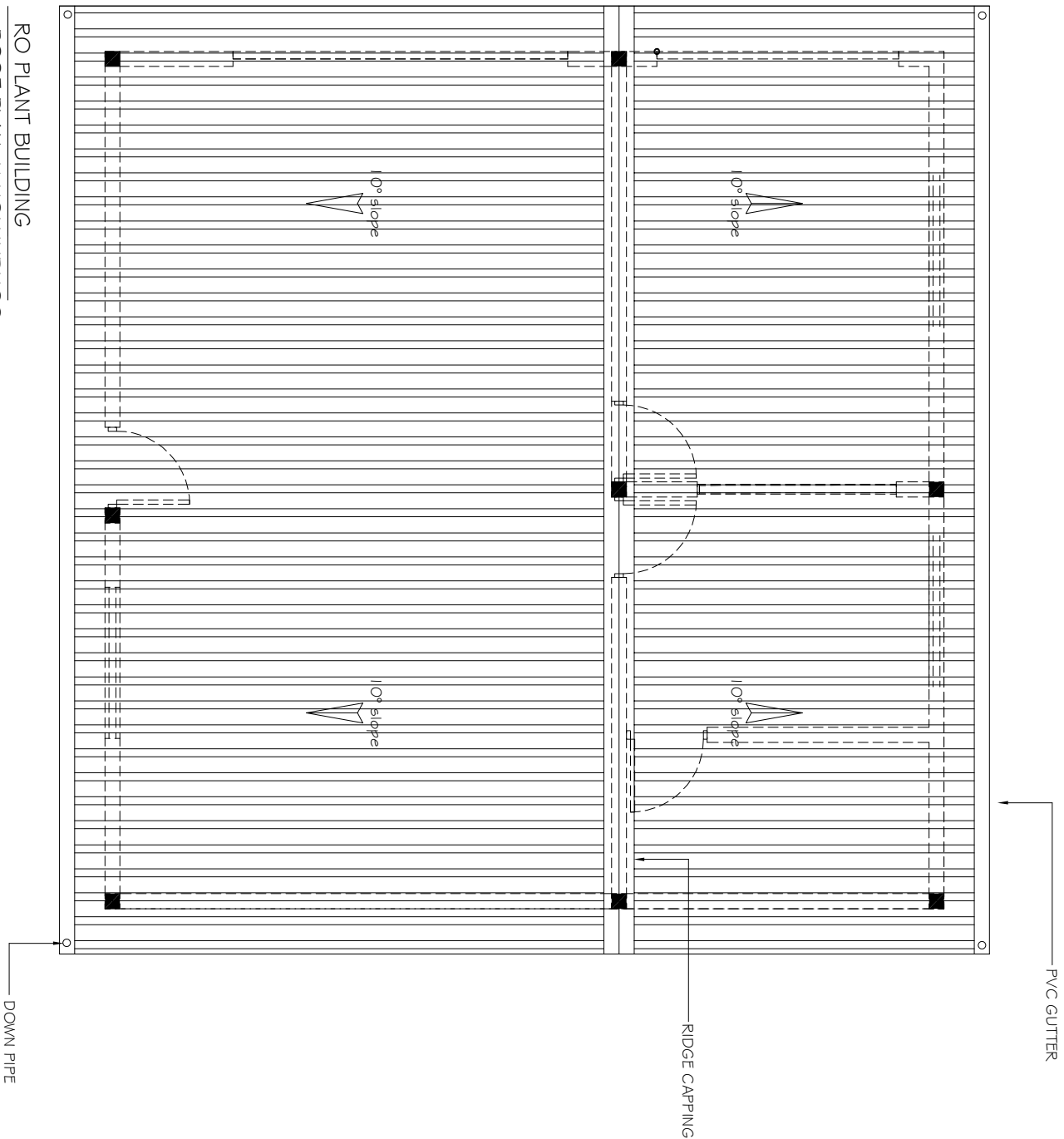


WATER SUPPLY AND STORAGE FACILITY SITE & BUILDING SITE PLAN  
NOONU HOLHUDDHOO



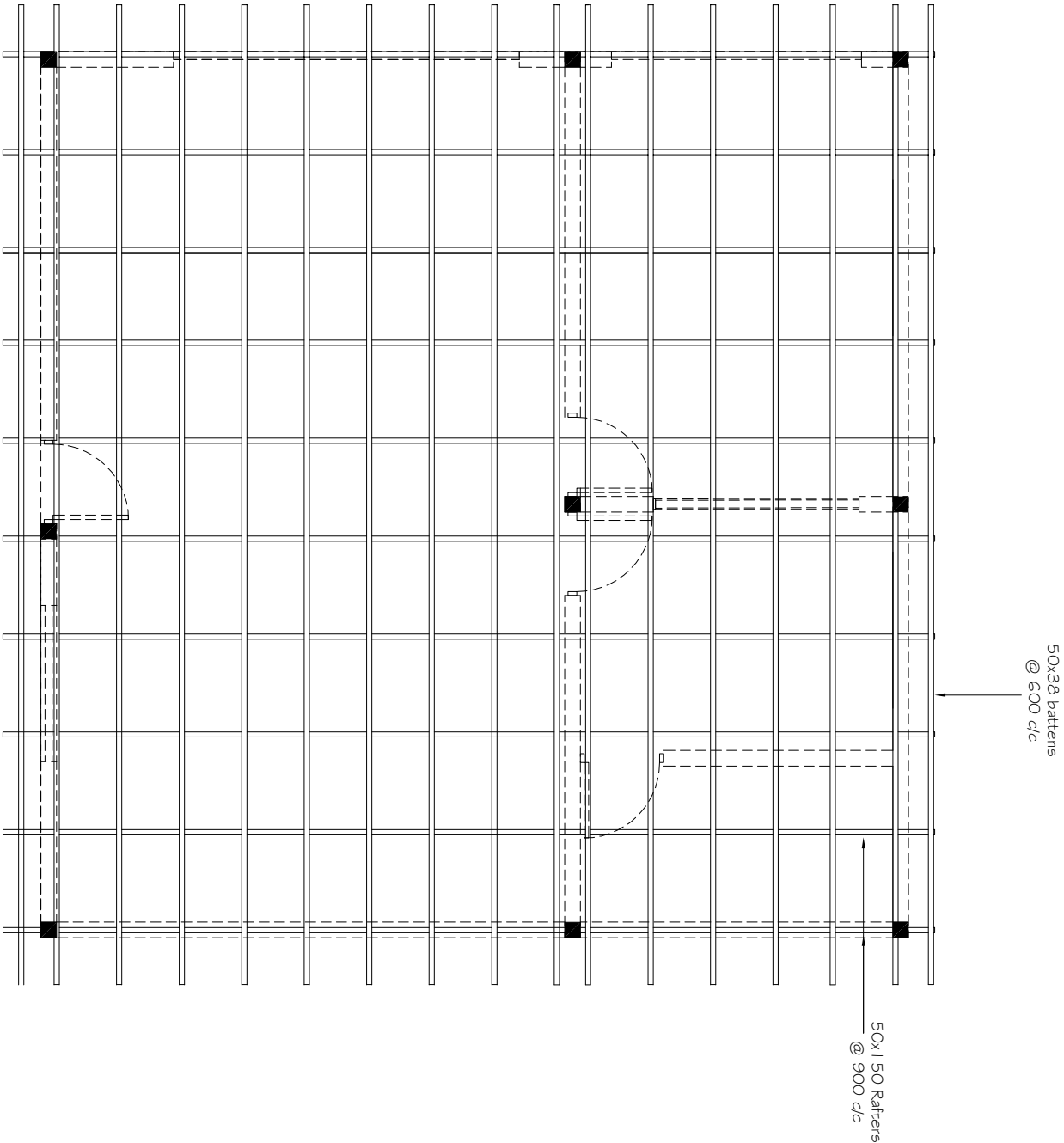
RO PLANT BUILDING  
FLOOR PLAN N.HOLHUDDHOO

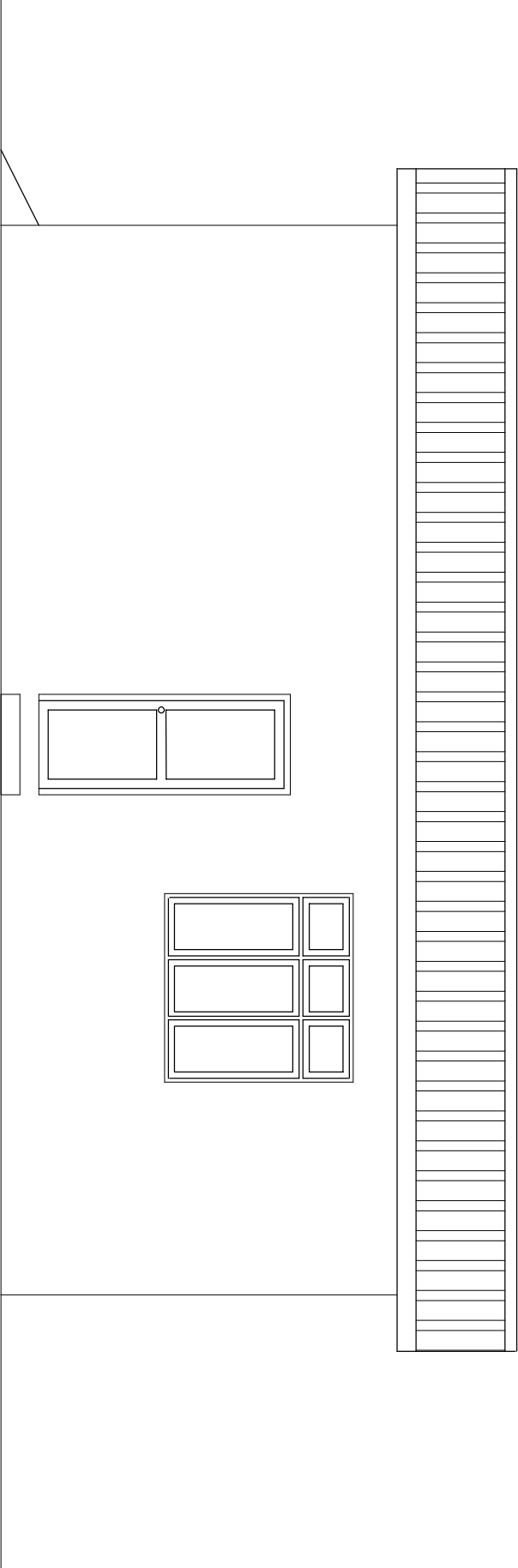




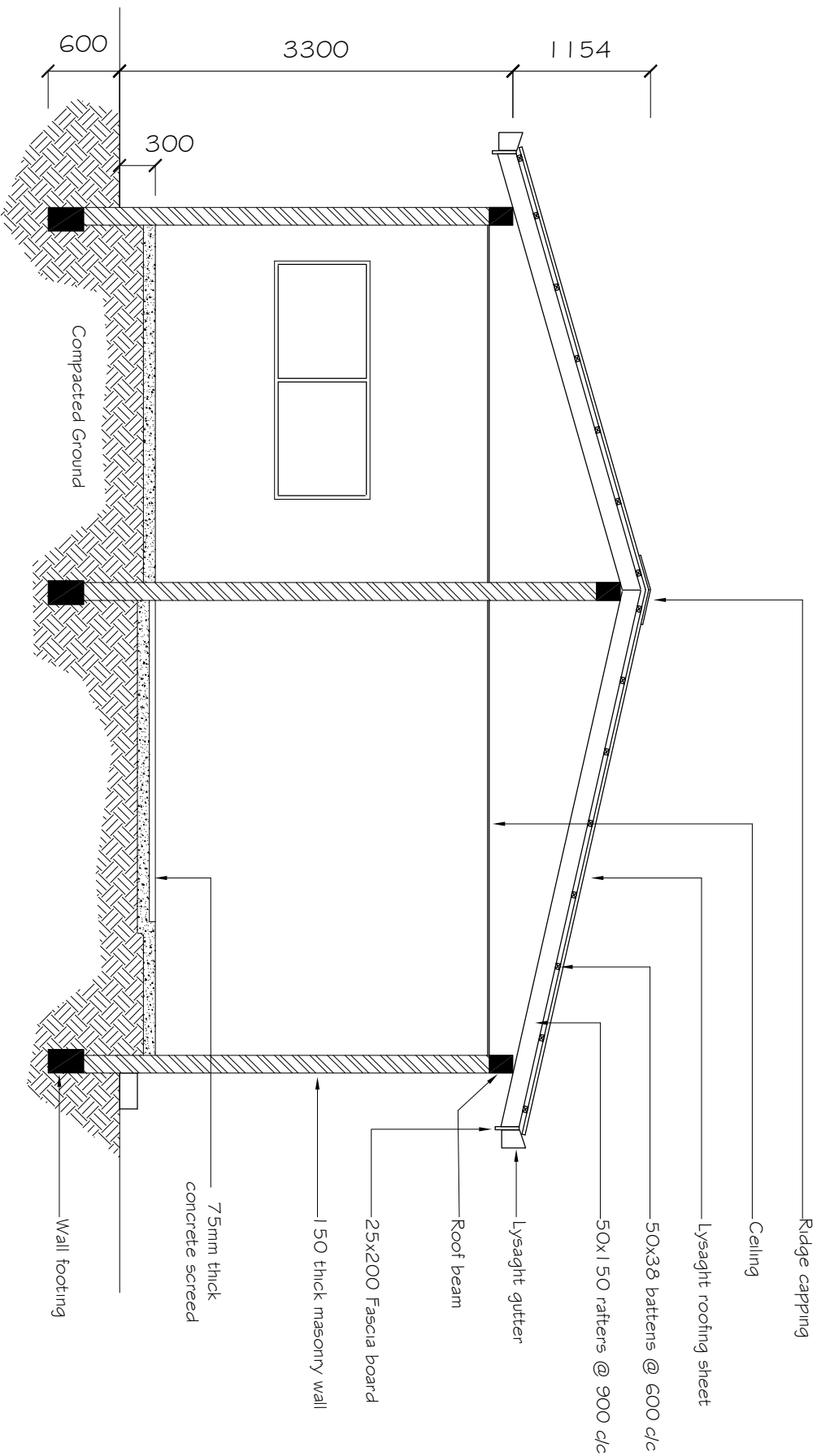
RO PLANT BUILDING  
ROOF PLAN N.HOLHUDHOO



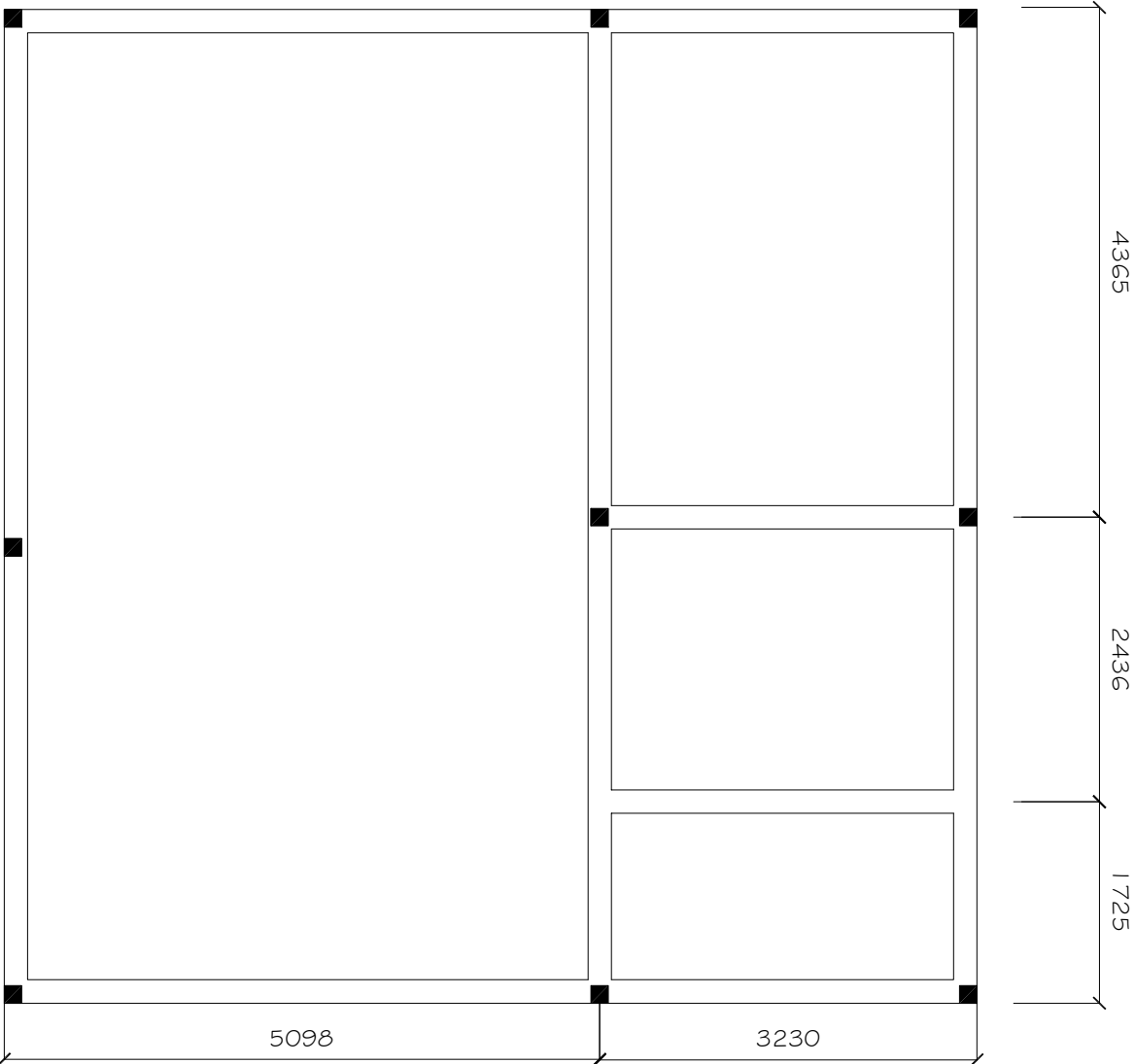




RO PLANT BUILDING  
FRONT ELEVATION N.HOLHUDHOO

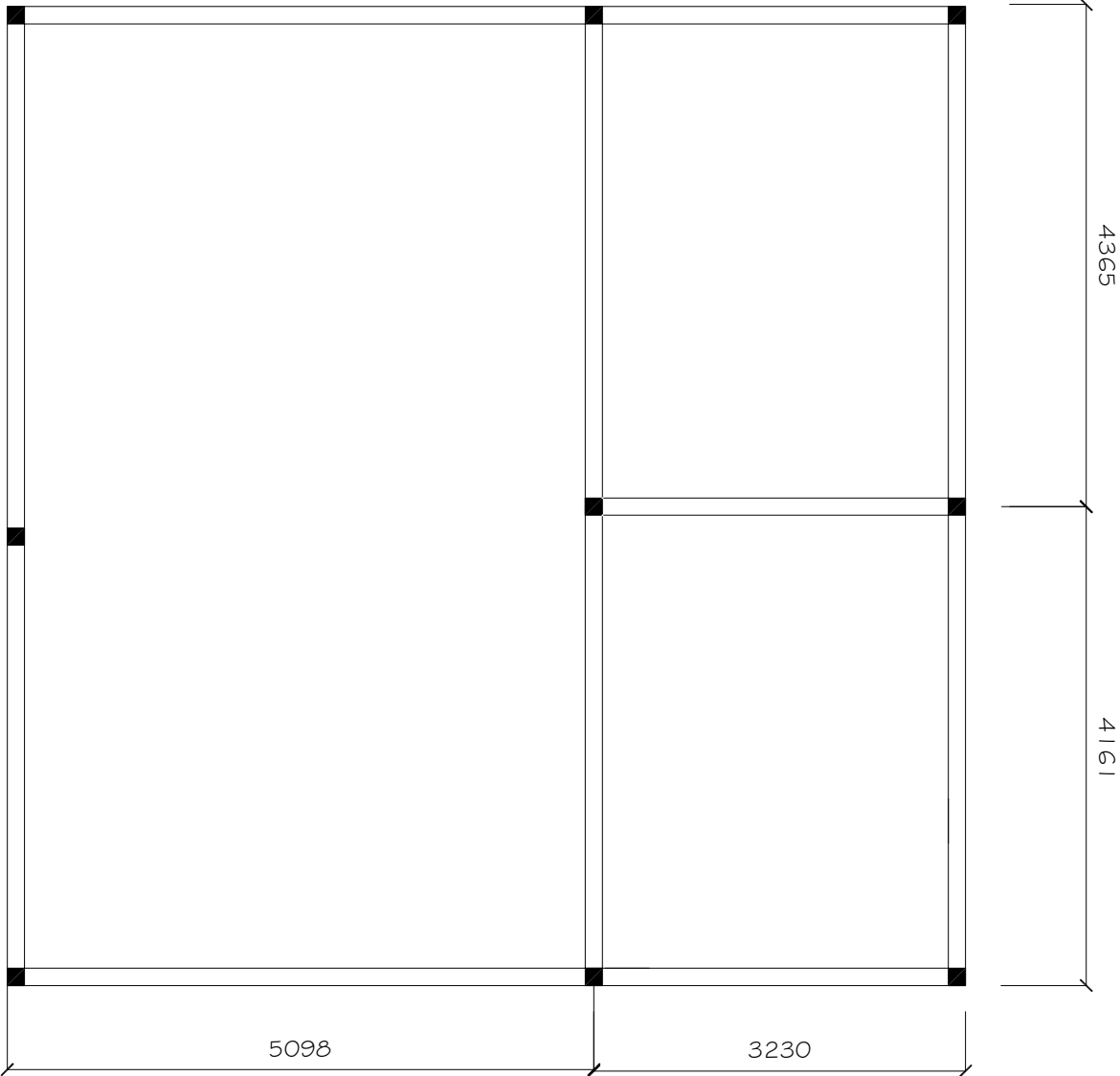


RO PLANT BUILDING  
SECTION X-X N.HOLHUDDOO



RO PLANT BUILDING  
WALL FOOTING PLAN N.HOLHUDDHOO





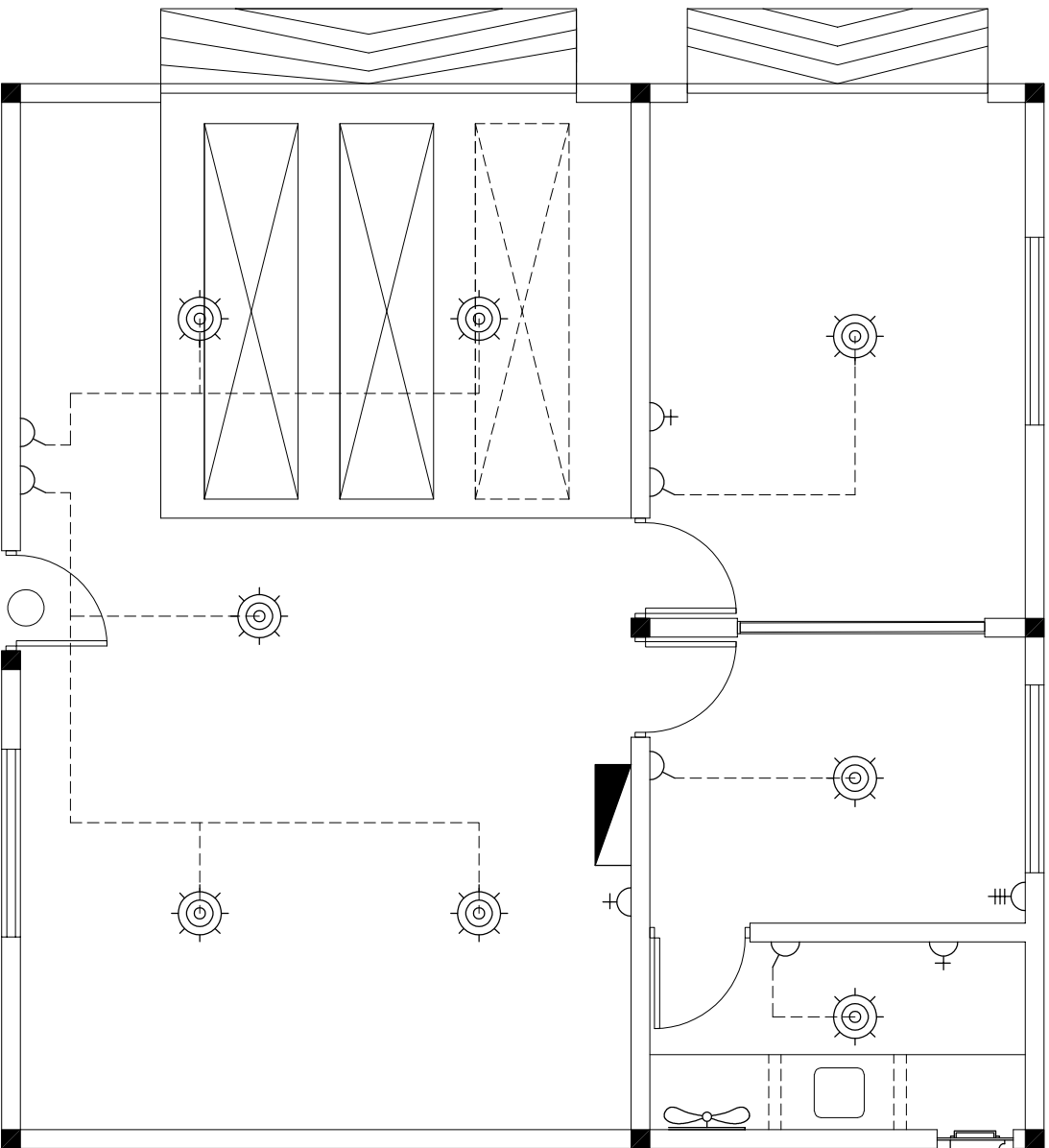
RO PLANT BUILDING  
ROOF BEAM PLAN N.HOLHUDHOO

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: APR 2017





DISTRIBUTION BOARD

100W ENERGY SAVING LIGHT

POWER SOCKET  
[0.4m ABOVE GROUND]

POWER SOCKET  
[0.4m BELOW CEILING]

SINGLE GANG SWITCH

WALL MOUNT EXHAUST FAN

WALL MOUNT FAN



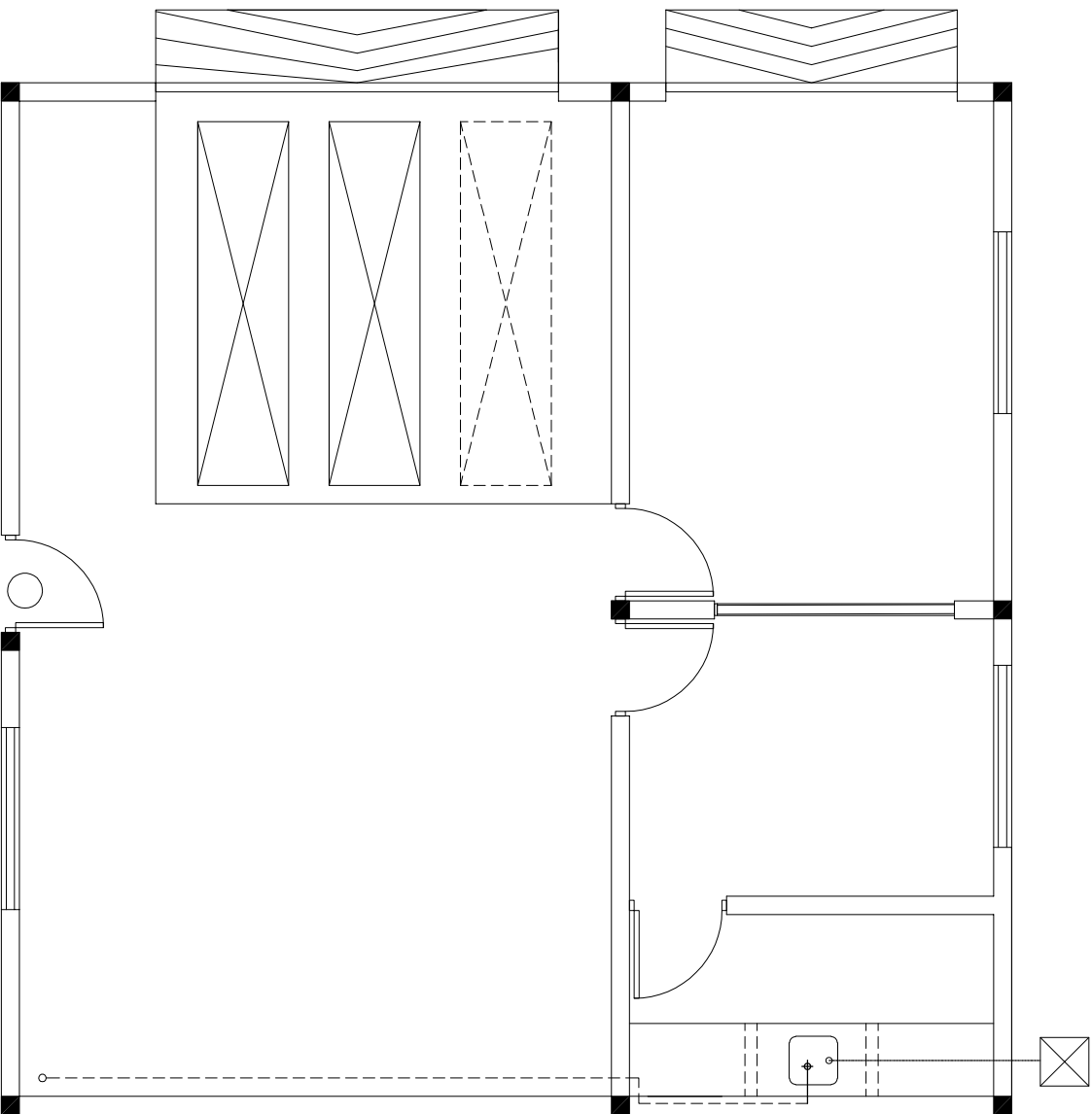
RO PLANT BUILDING  
ELECTRICAL LAYOUT N.HOLHUDHOO

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: APR 2017





—○— PVC Sink Tap

—X— Soak pit

--- 25mm PVC Pipe

— 50mm PVC Train Pipe

RO PLANT BUILDING  
PLUMBING LAYOUT N.HOLHUDDOO

PROVISION OF WATER SUPPLY SANITATION AND SOLID  
WASTE MANAGEMENT PROJECT  
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:  
I 4 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN  
DATE: APR 2017



## COMMON DRAWINGS

# PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

---

## OPEC FUND FOR INTERNATIONAL DEVELOPMENT

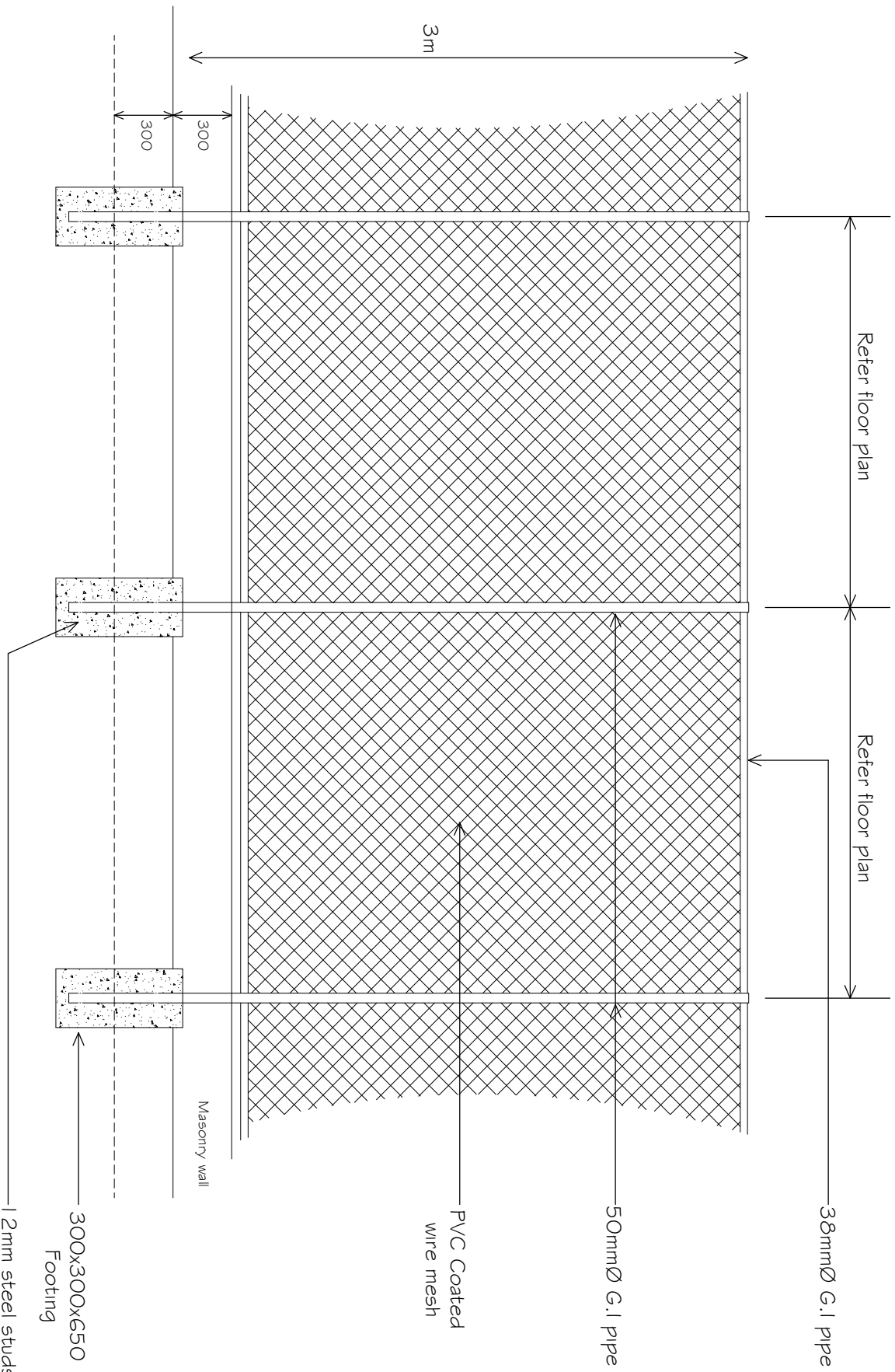
PROJECT:  
14 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN

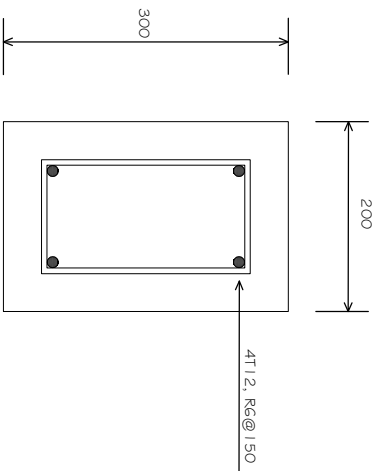
DATE: MAR 2017



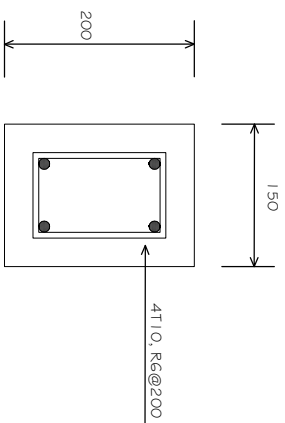




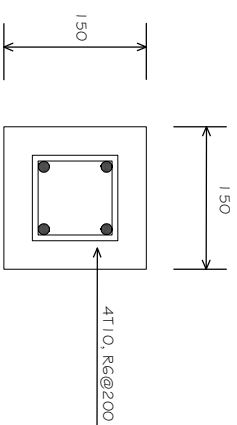
RO PLANT SITE  
PERIMETER FENCE



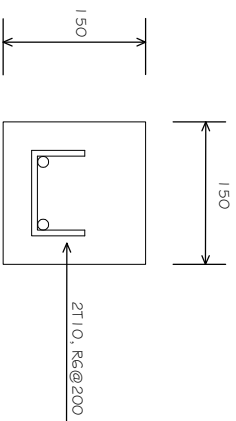
WALL FOOTING



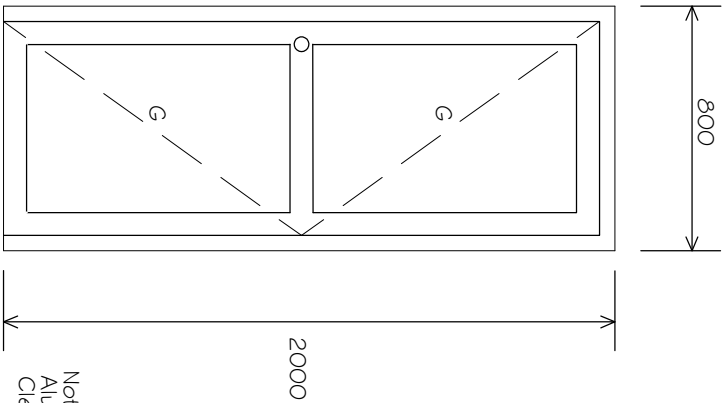
ROOF BEAM



STIFFENER COLUMN

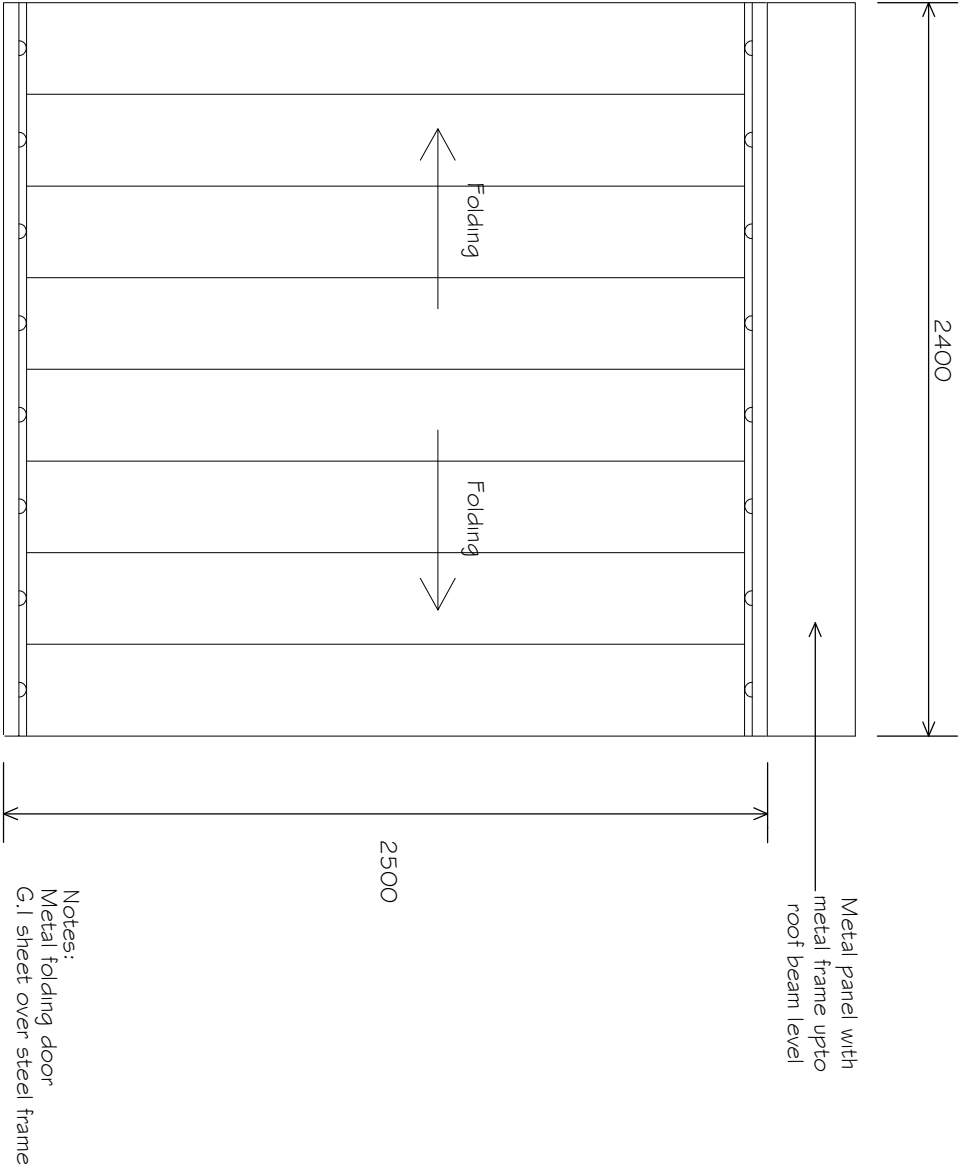


LINTEL BEAM



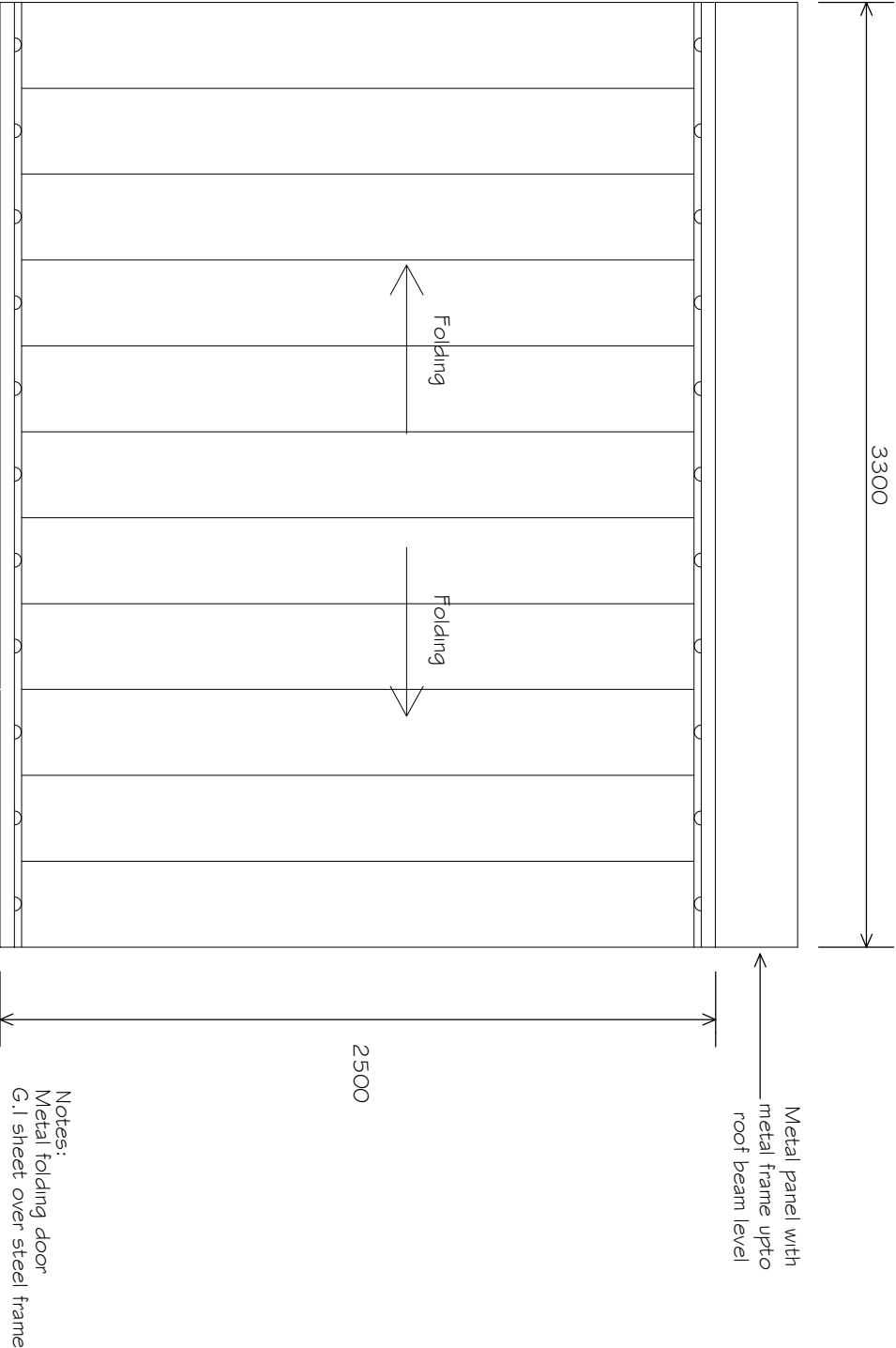
Notes:  
Aluminum Door & Door frame  
Clear glass panel

DOOR D1

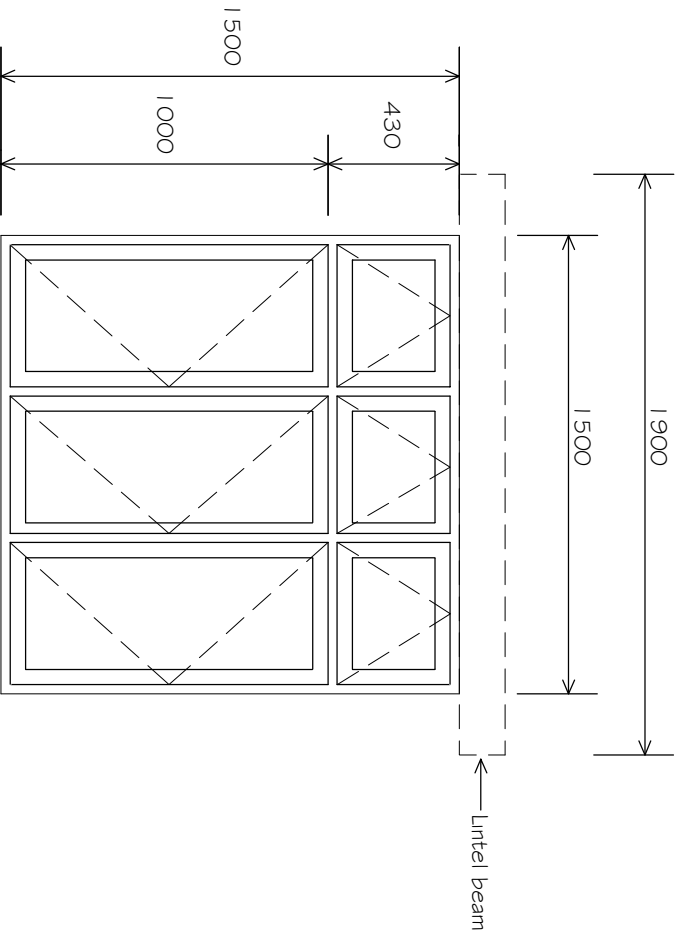


Notes:  
Metal folding door  
G.I sheet over steel frame

DOOR R1

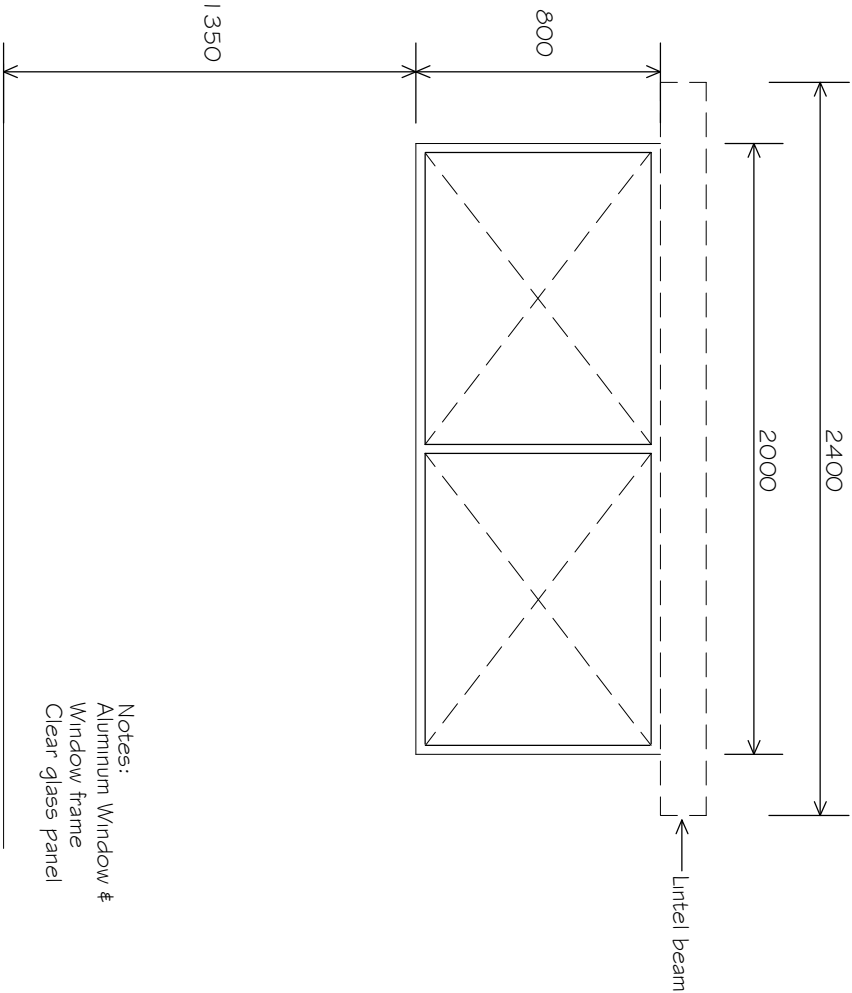


DOOR R2



Notes:  
Aluminum Window &  
Window frame  
Clear glass panel

WINDOW W1

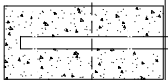
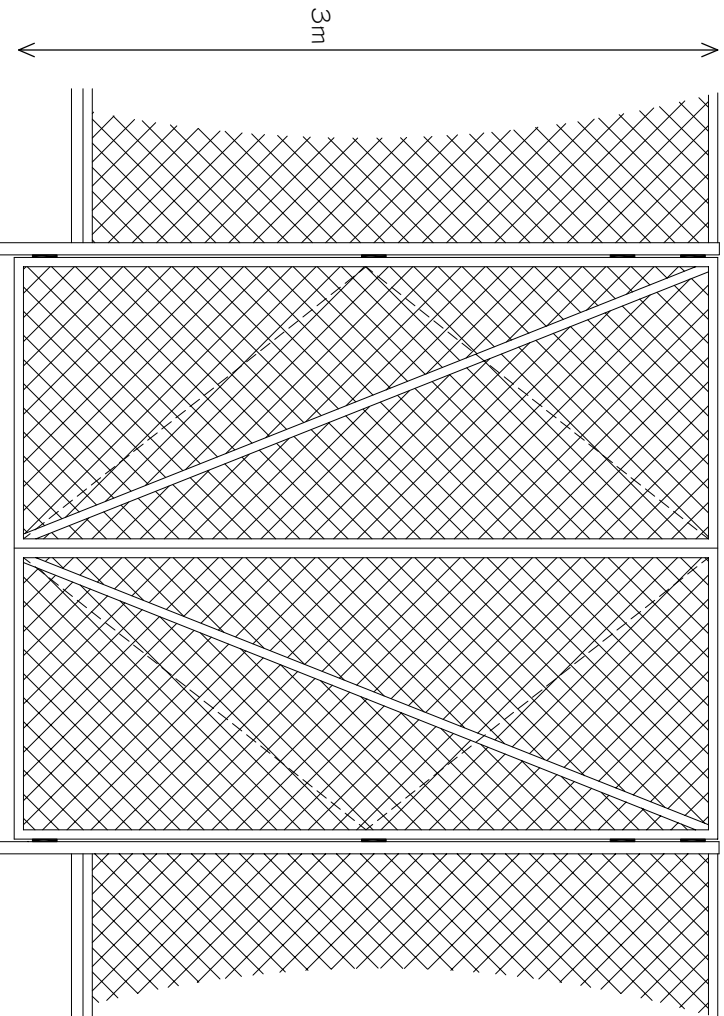


Notes:  
Aluminum Window &  
Window frame  
Clear glass panel

WINDOW W2



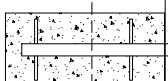
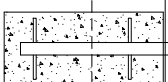
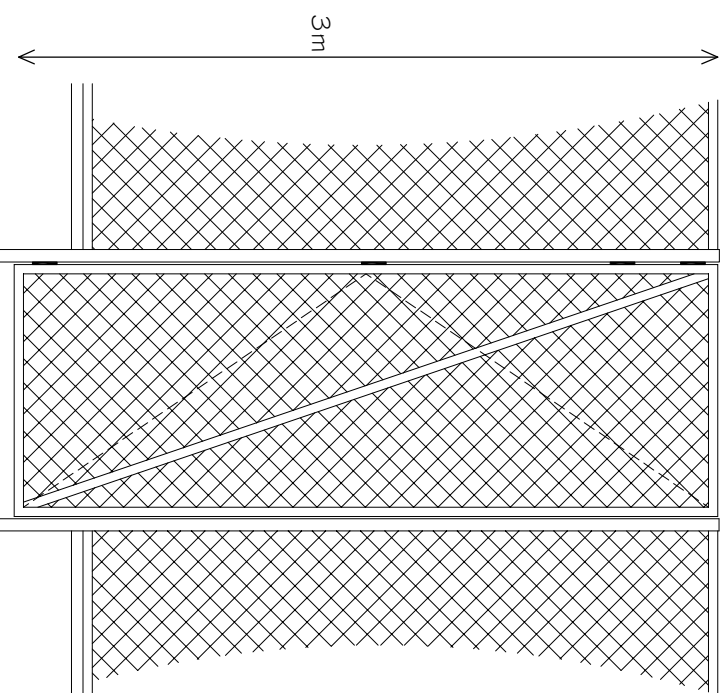
2400



Notes:  
Door made from 38mmØ G.I Pipe  
Door covered with PVC coated wire mesh  
Hinges and locking mechanism to be provided

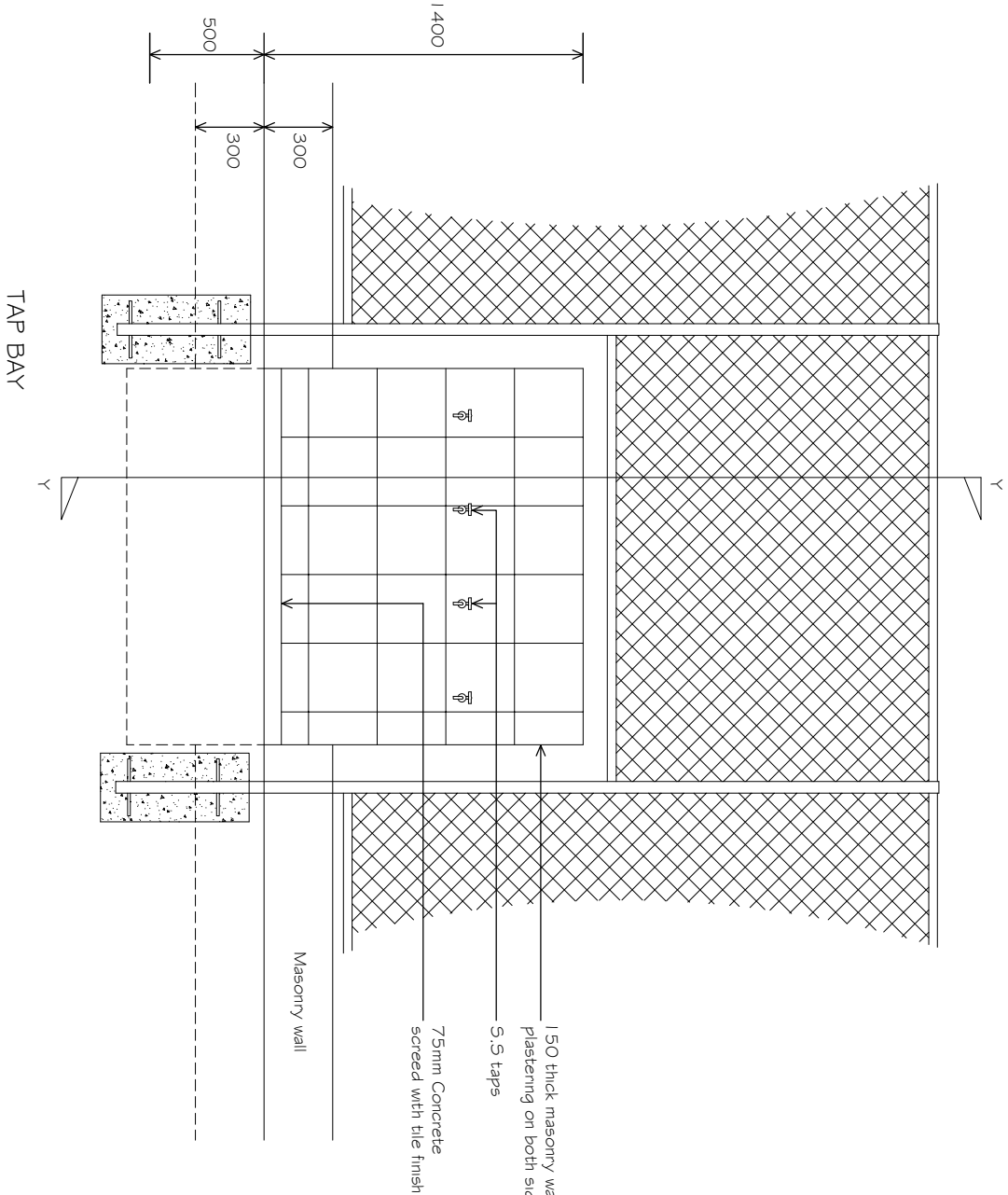
DOOR G1

1050

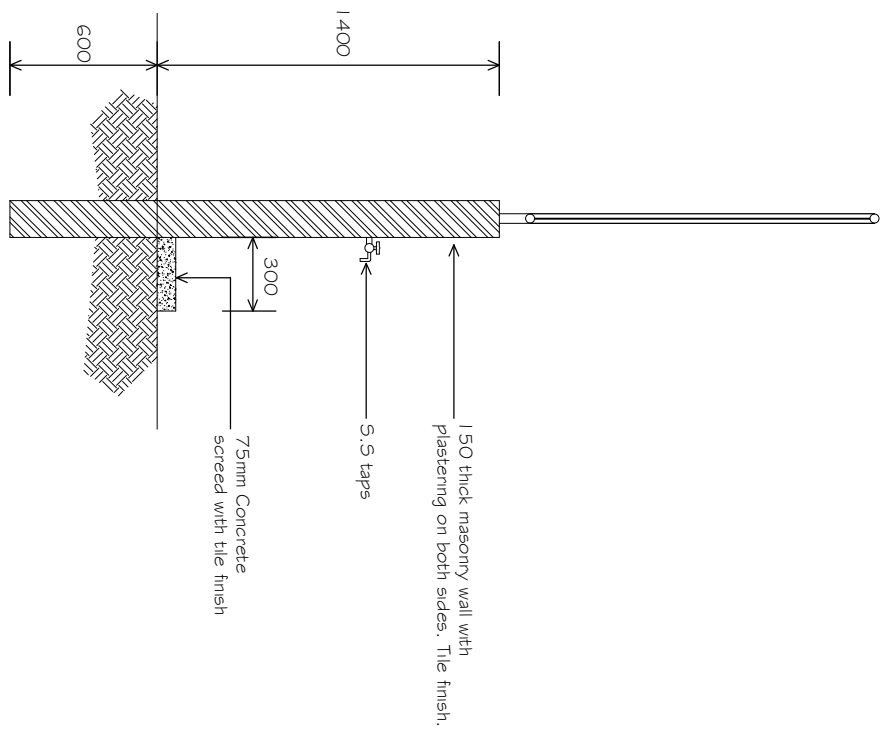


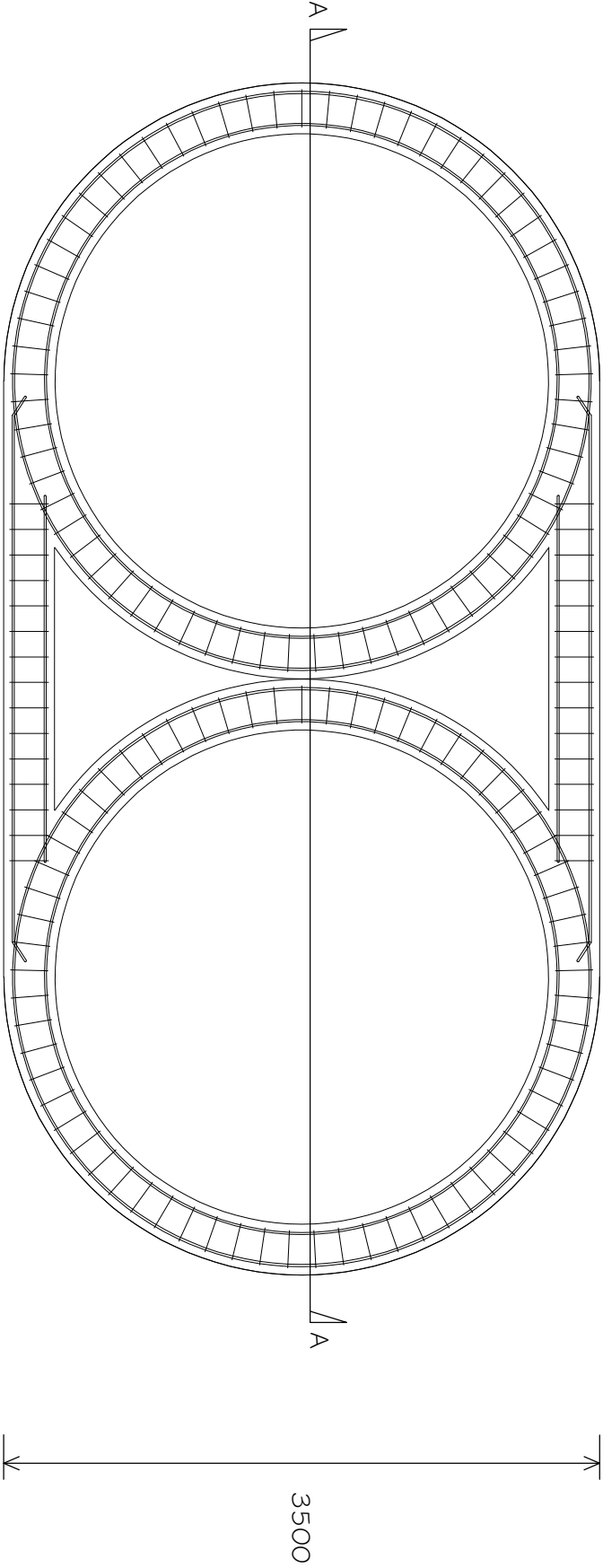
Notes:  
Door made from 38mmØ G.I Pipe  
Door covered with PVC coated wire mesh  
Hinges and locking mechanism to be provided

DOOR G2



SECTION Y - Y





STORAGE TANK FOUNDATION  
PLAN



75mm Concrete slab  
T10@150 BW

Compacted Fill

300 x 600 RC beam  
B112, R6@150

Compacted Fill

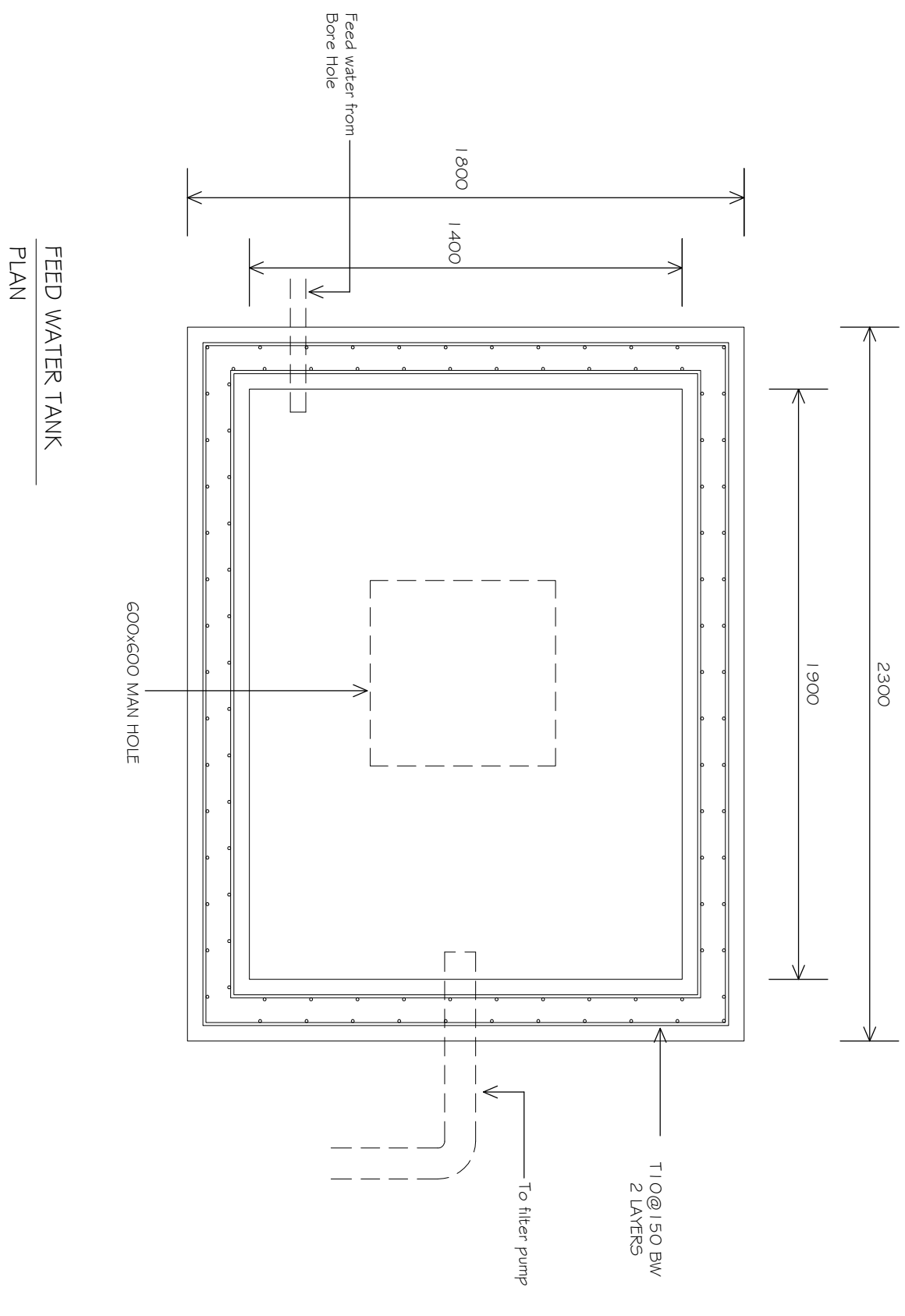
Ground Level

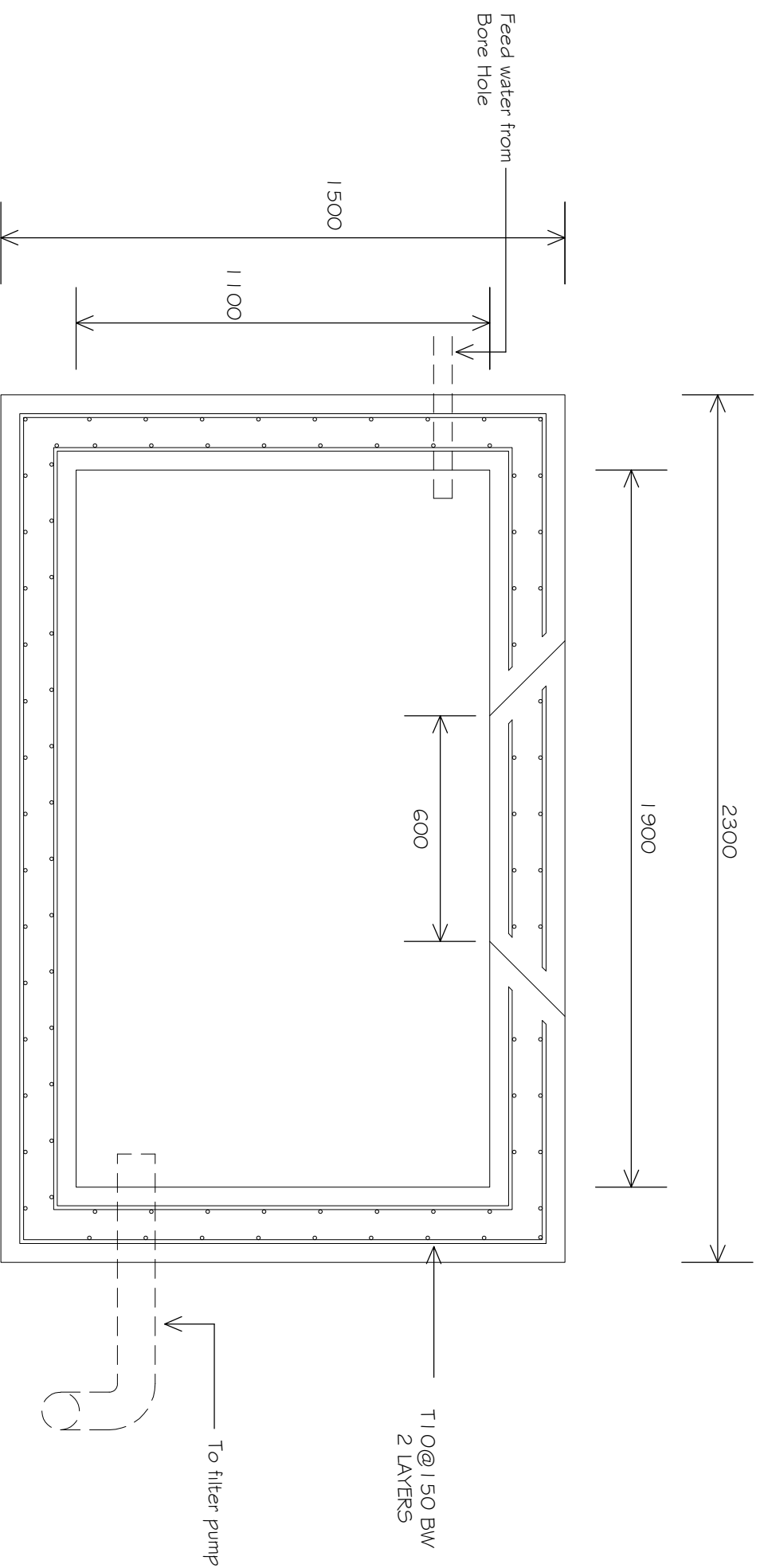
400

300

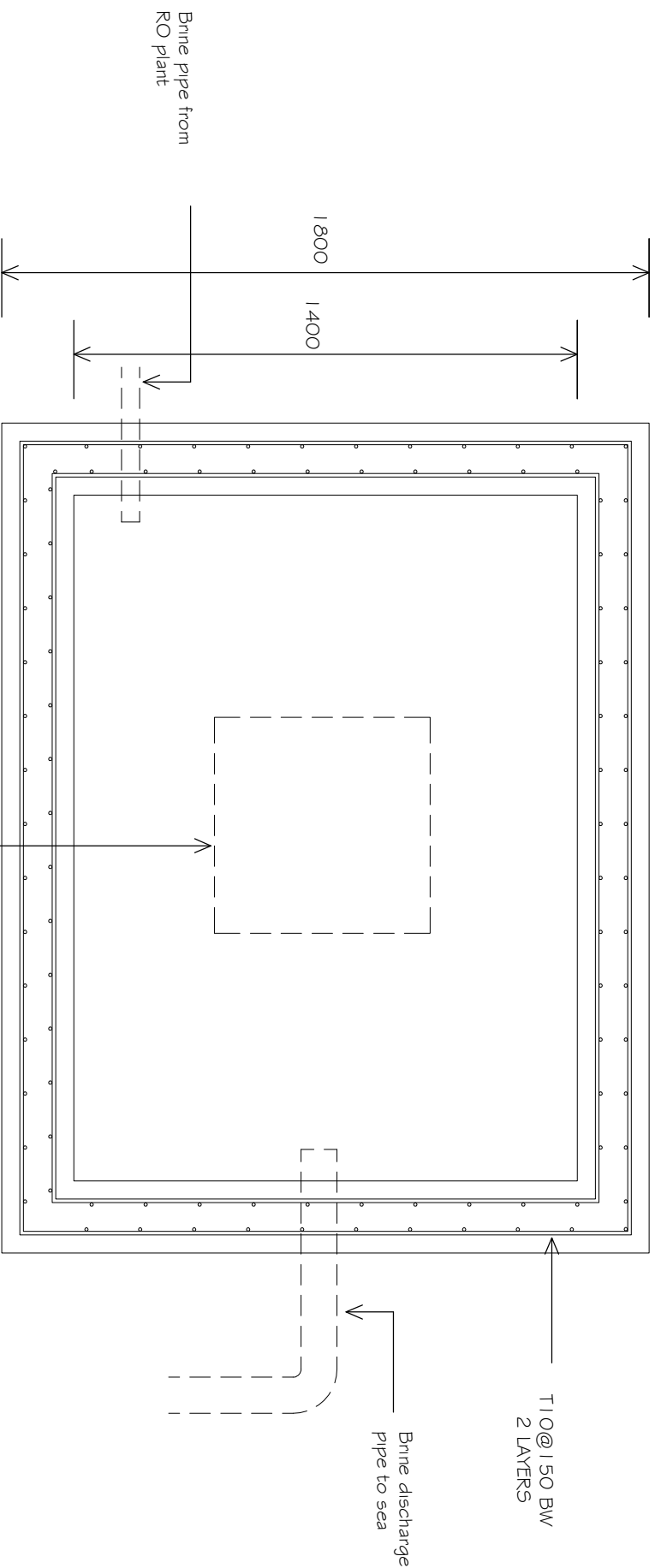
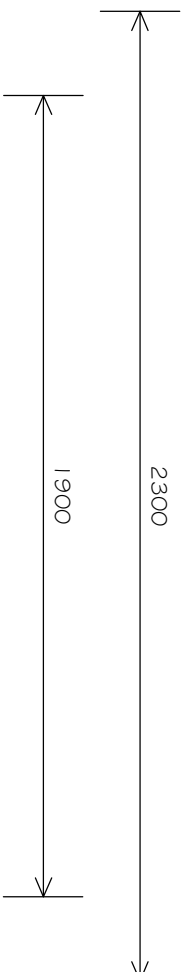
Diagram illustrating a vertical line with a ground level marker. The line is divided into two segments: a top segment of 400 units and a bottom segment of 300 units. A triangle symbol labeled "Ground Level" is positioned between the two segments.

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT	PROJECT: 14 ISLAND WATER SUPPLY PROJECT	SCALE: AS SHOWN	 <p>SOLID WASTE MANAGEMENT COMPONENT CITY OF PORT OF SPAIN MINISTRY OF ENVIRONMENT AND NATURAL RESOURCES TRINIDAD AND TOBAGO</p>
OPEC FUND FOR INTERNATIONAL DEVELOPMENT	DATE: MAR 2017		

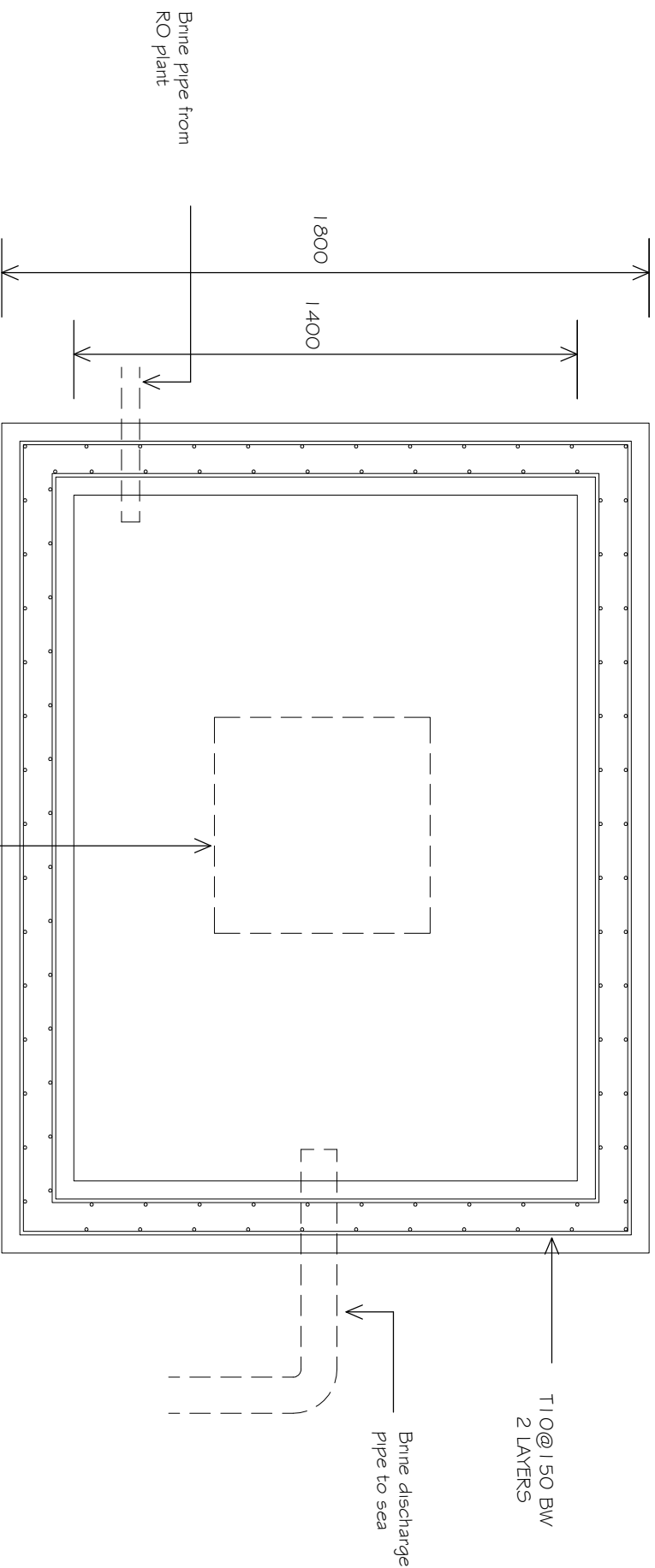
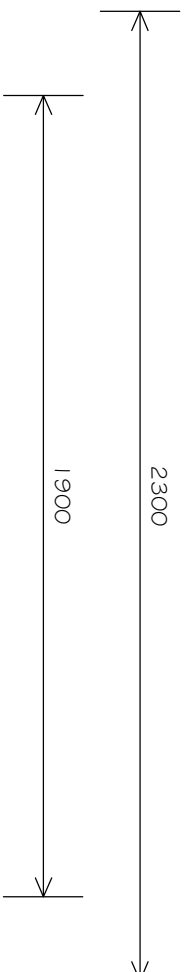




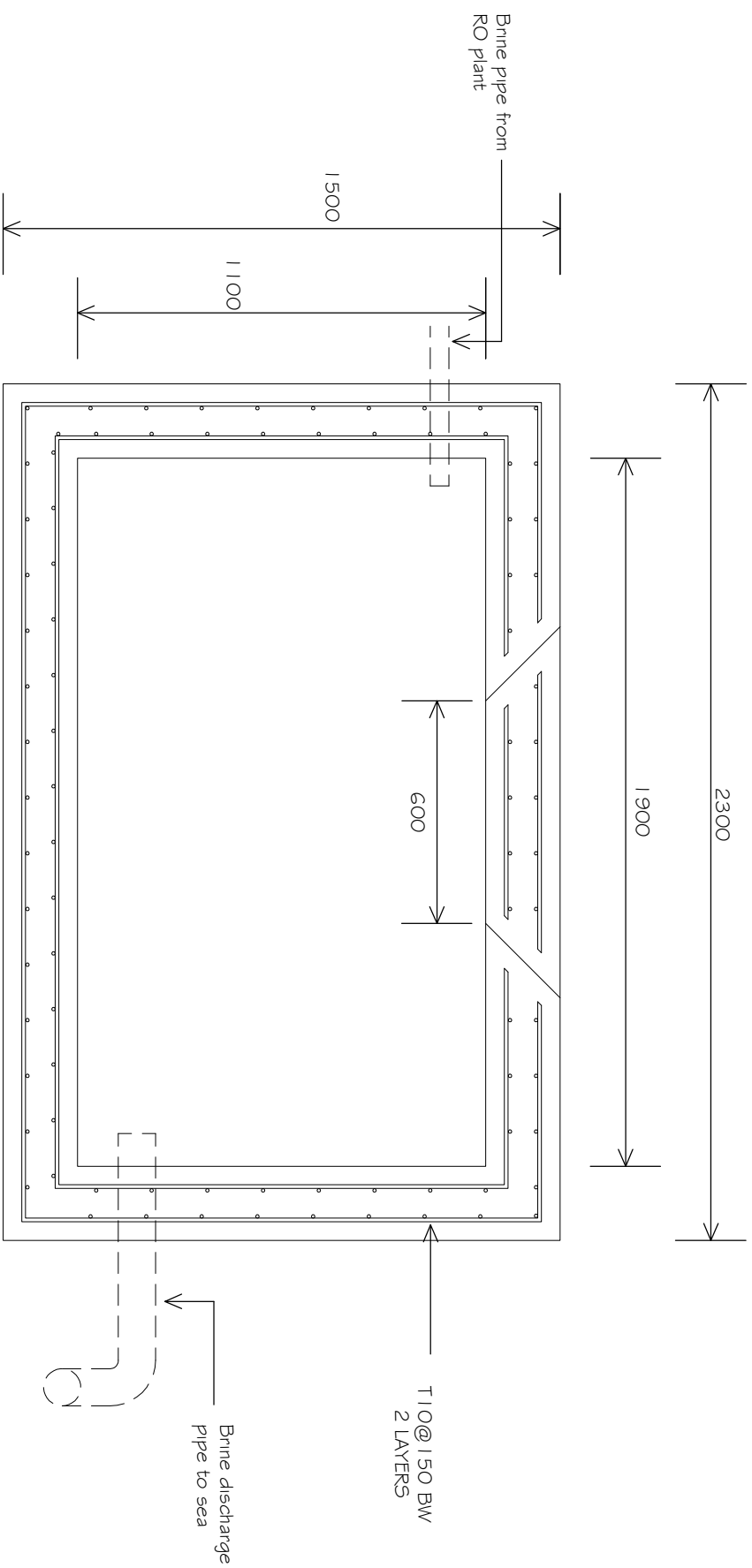
## FEED WATER TANK SECTION



REJECT WATER TANK  
PLAN

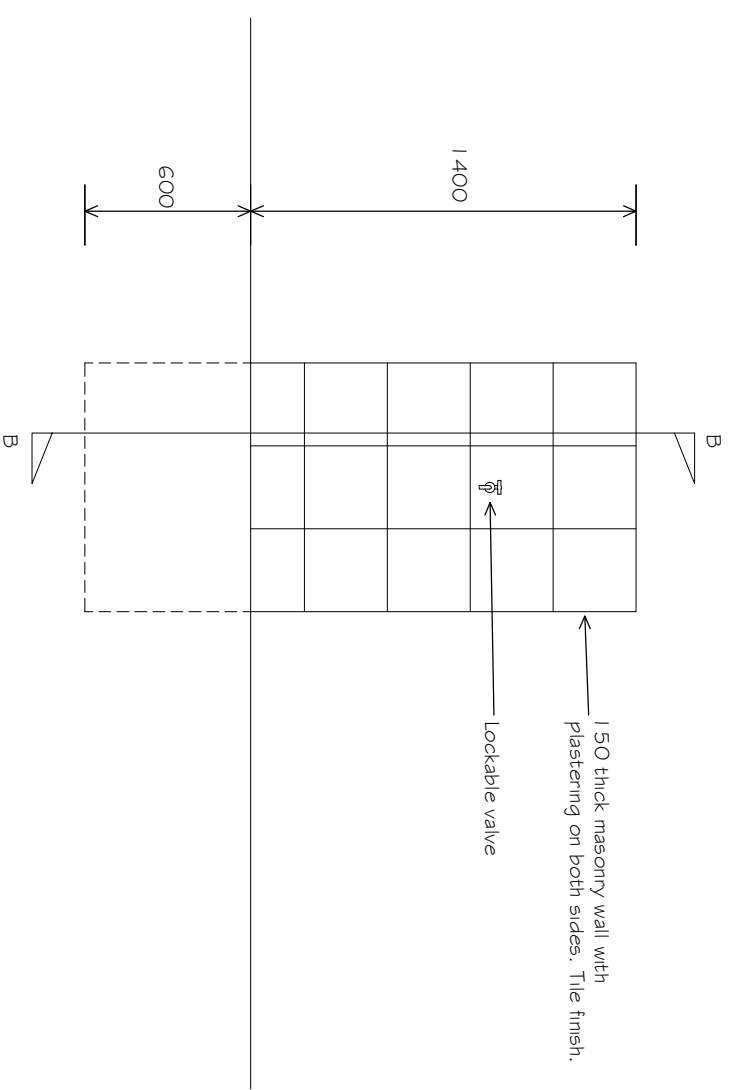


REJECT WATER TANK  
PLAN



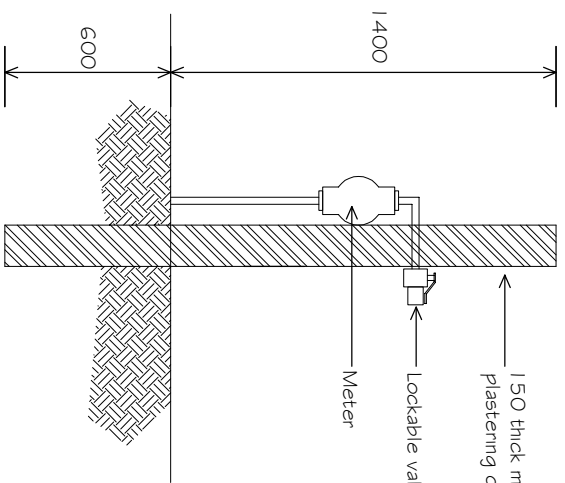
RECT WATER TANK  
SECTION





1 50 thick masonry wall with plastering on both sides. Tile finish.

Lockable valve



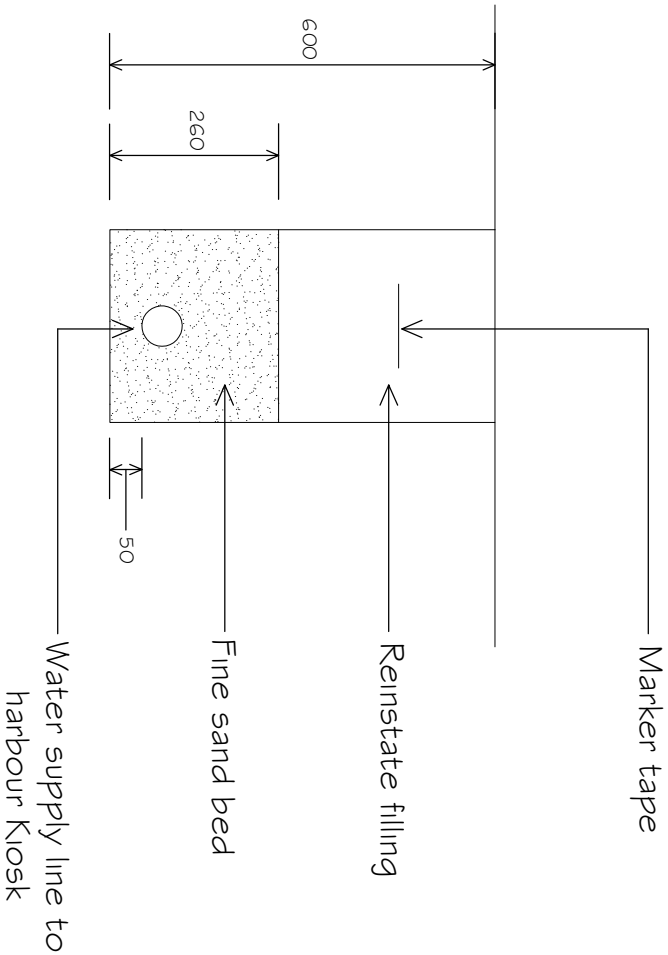
1 50 thick masonry wall with plastering on both sides. Tile finish.

Lockable valve

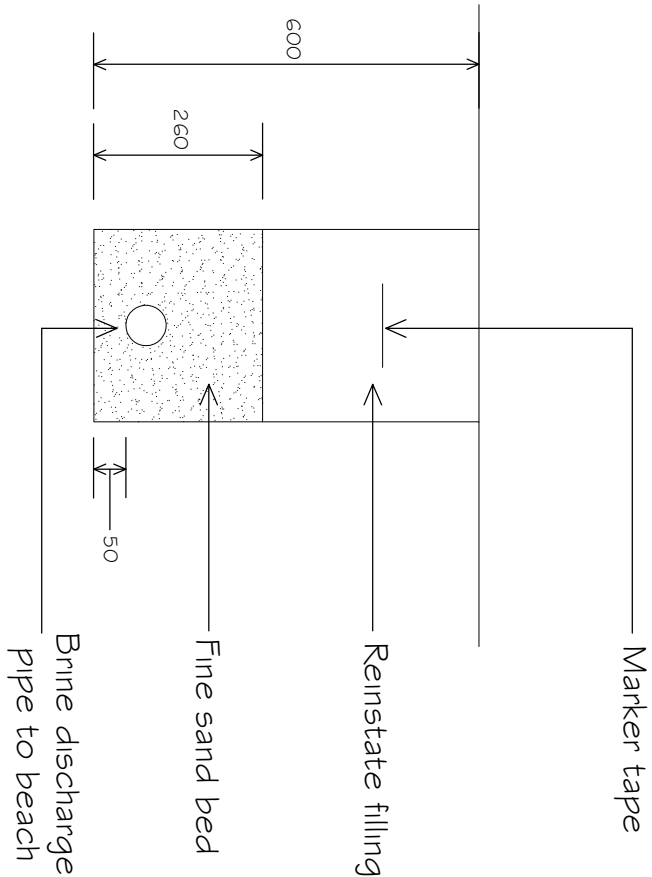
Meter

HARBOUR KIOSK

HARBOUR KIOSK  
SECTION B - B



PIPE TRENCH DETAIL FOR HARBOUR KIOSK

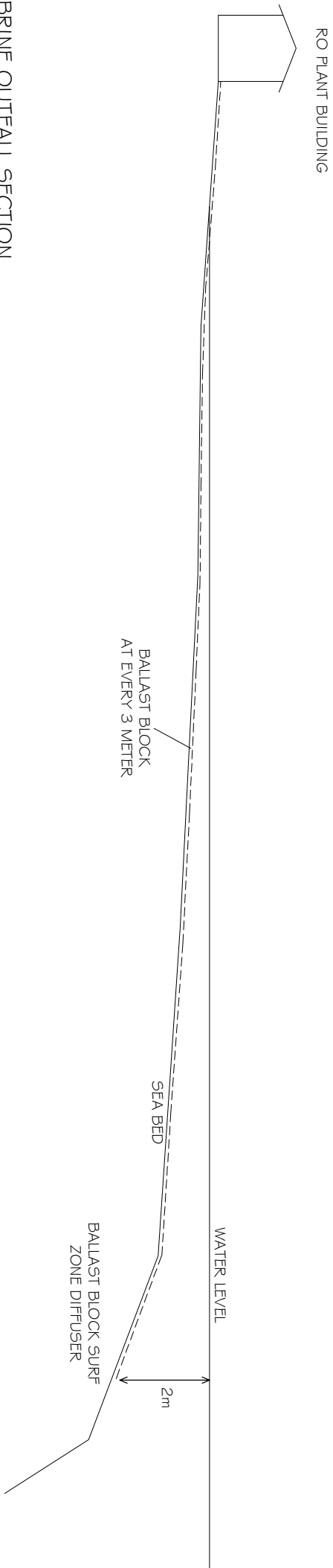


PIPE TRENCH DETAIL FOR BRINE DISCHARGE PIPE

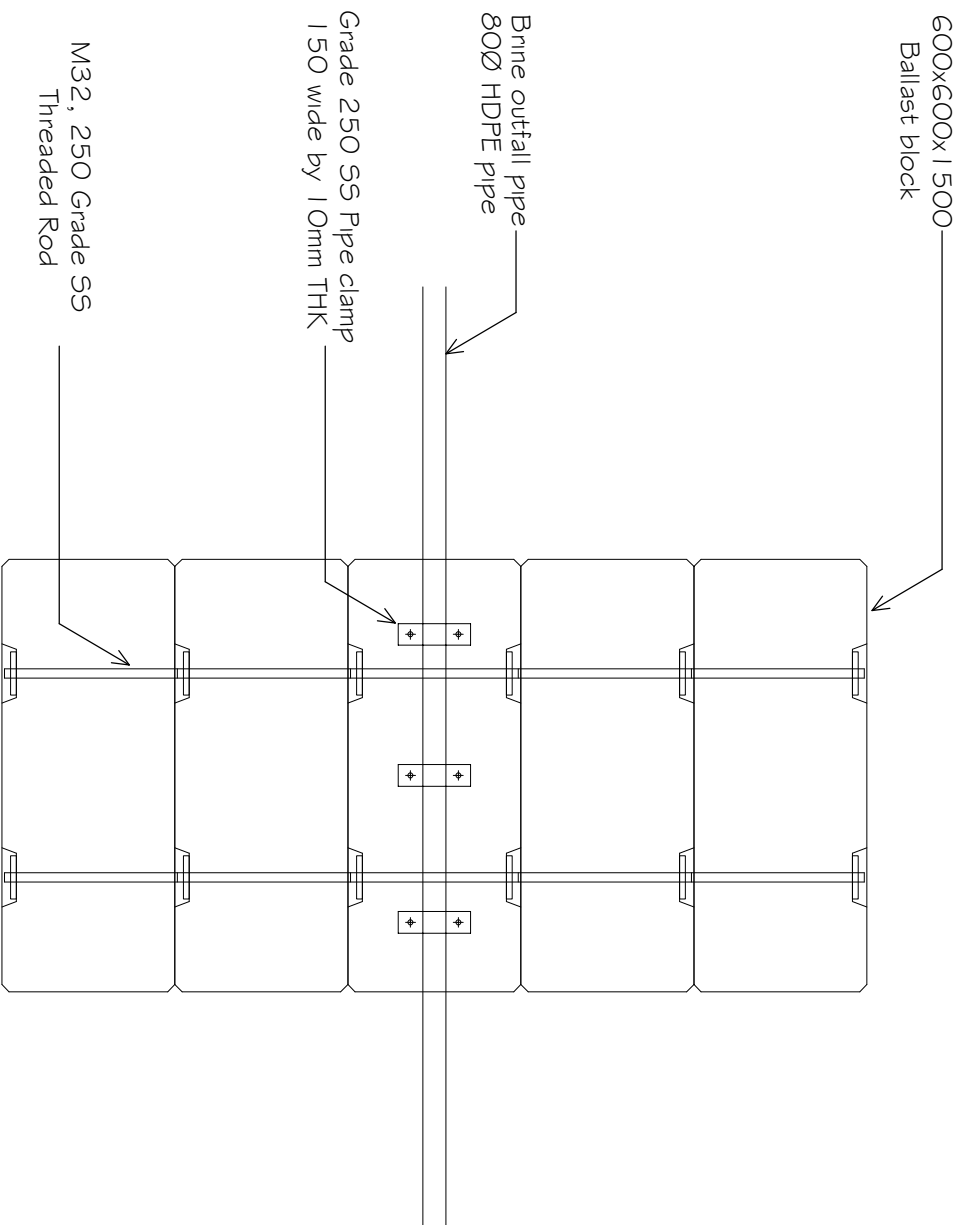




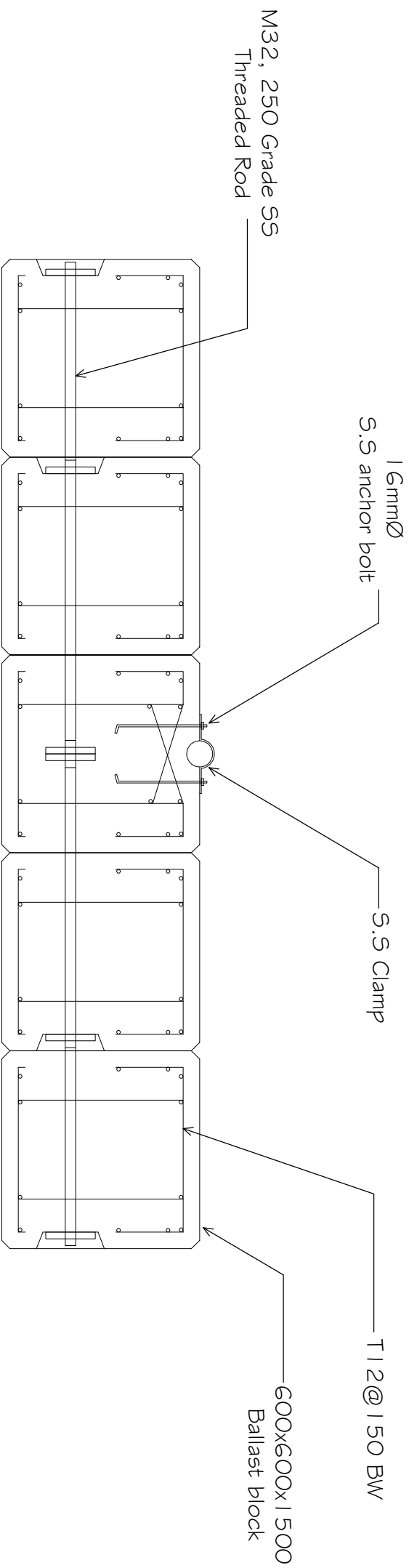




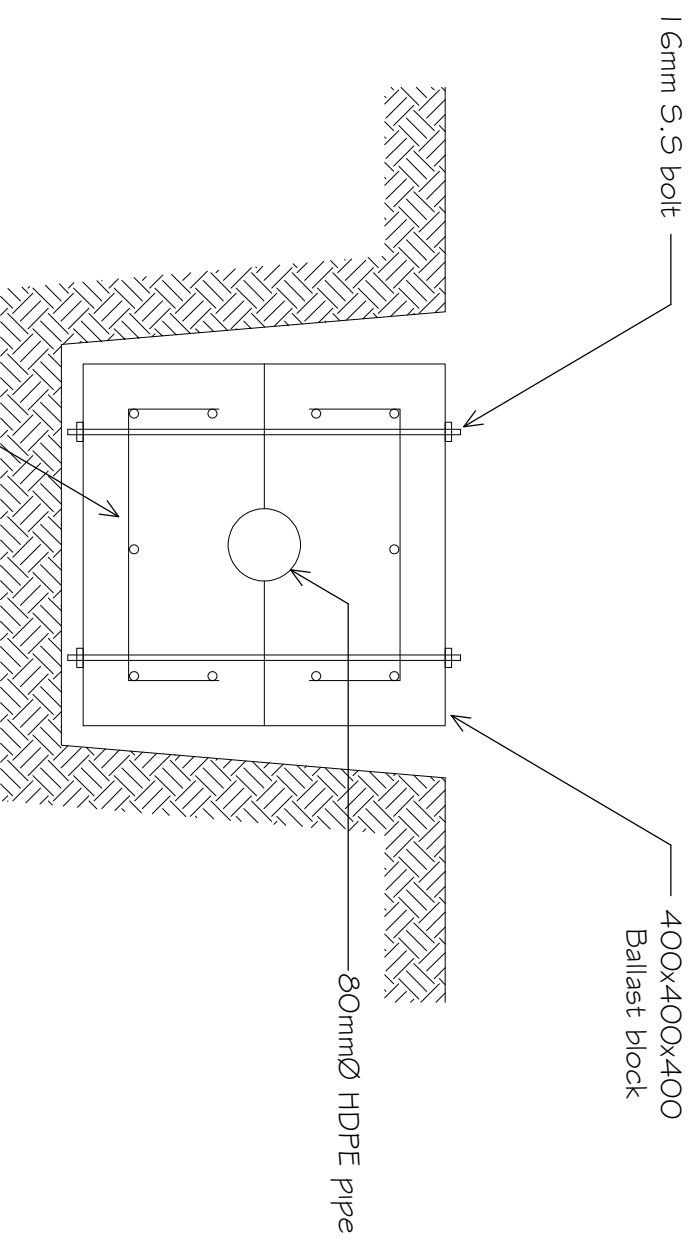
BRINE OUTFALL SECTION



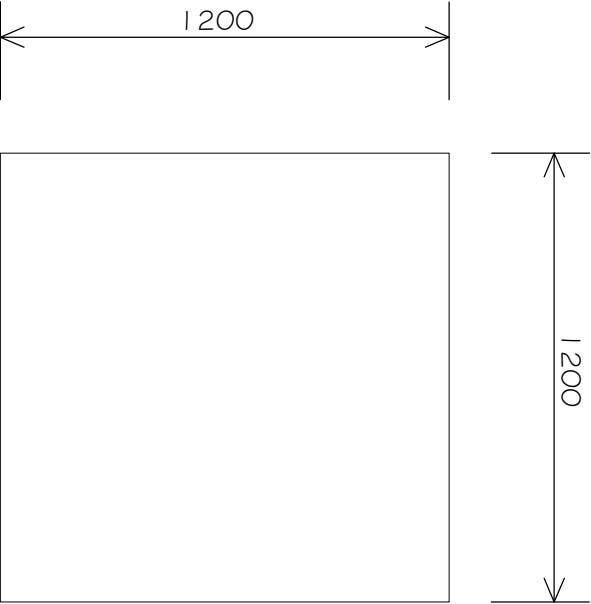
BALLAST BLOCK - PLAN  
SURF ZONE DIFFUSER



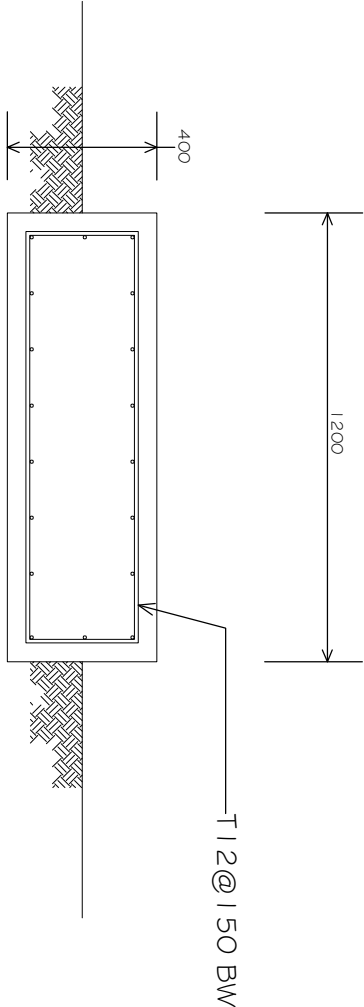
**BALLAST BLOCK - SECTION**  
**SURF ZONE DIFFUSER**



## BALLAST BLOCK NEARSHORE



BACKWASH TANK FOUNDATION  
PLAN



BACKWASH TANK FOUNDATION  
SECTION