

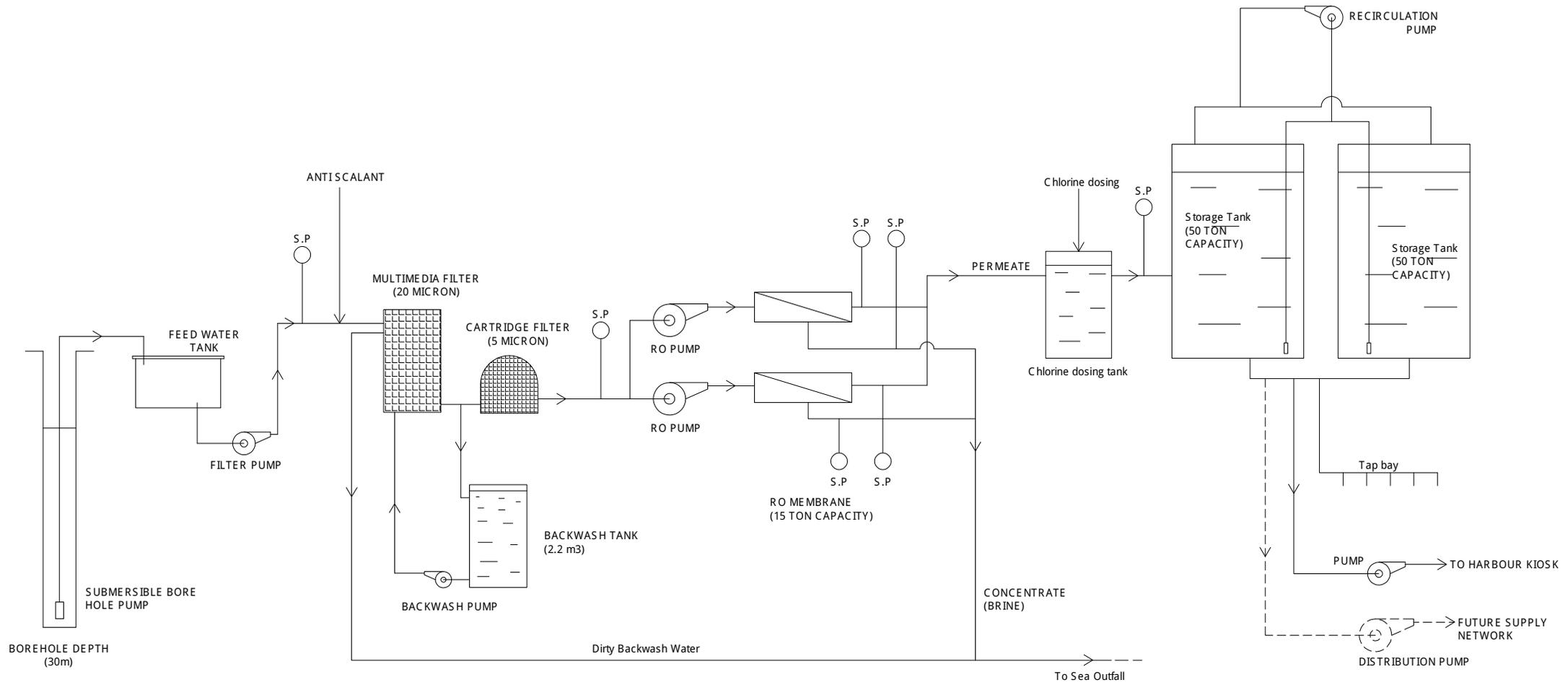
PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

RO PLANT BUILDING AND WATER SUPPLY FACILITY DRAWINGS - PACKAGE 1



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
 OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:
 14 ISLAND WATER SUPPLY PROJECT

SCALE: AS SHOWN
 DATE: APR 2017



PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

H.DH KUMUNDHOO 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
STORAGE TANK

TAP BAY

BRINE OUTFALL PIPE

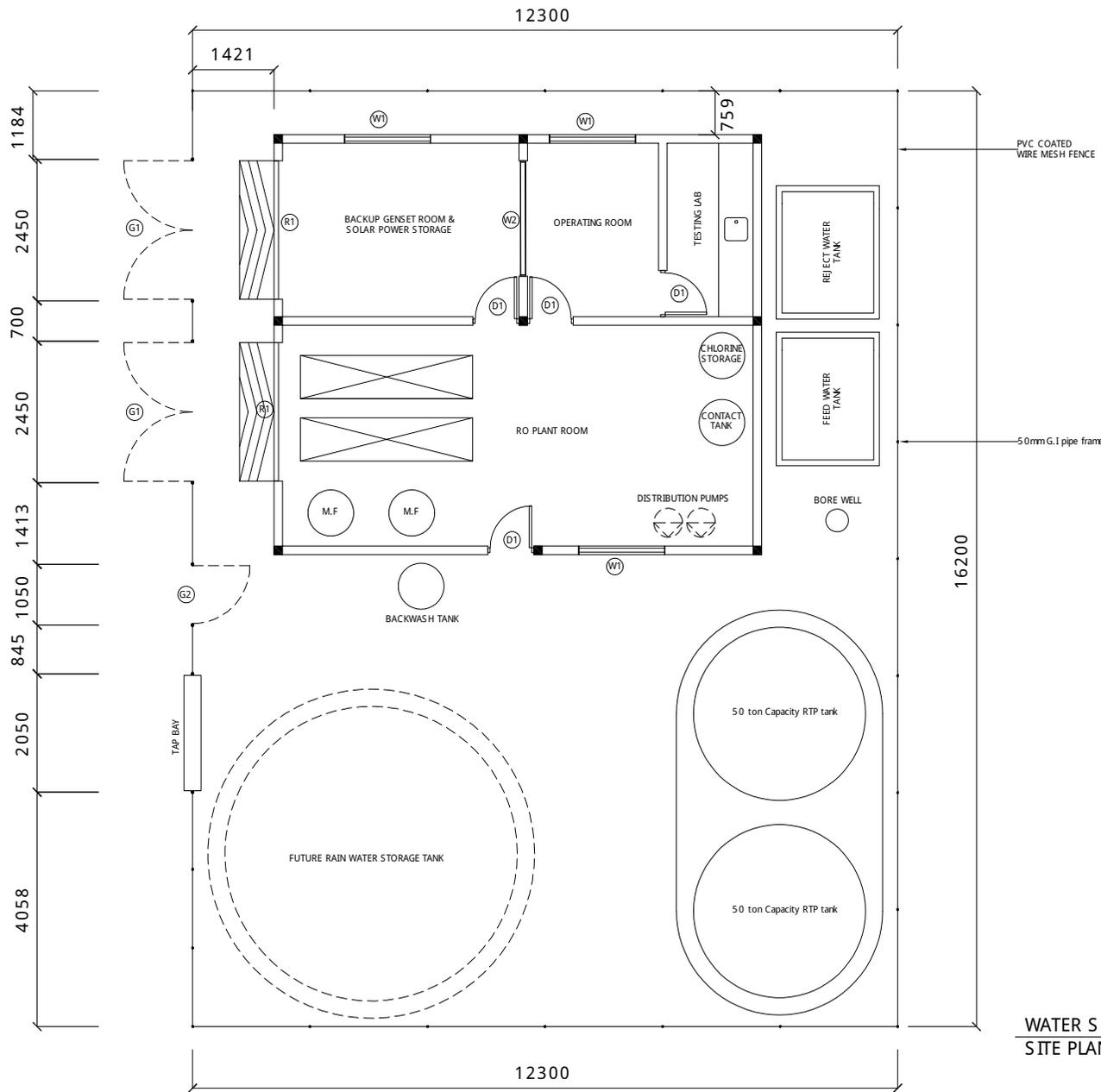
SUPPLY PIPE TO
HARBOUR KIOSK

HARBOUR KIOSK

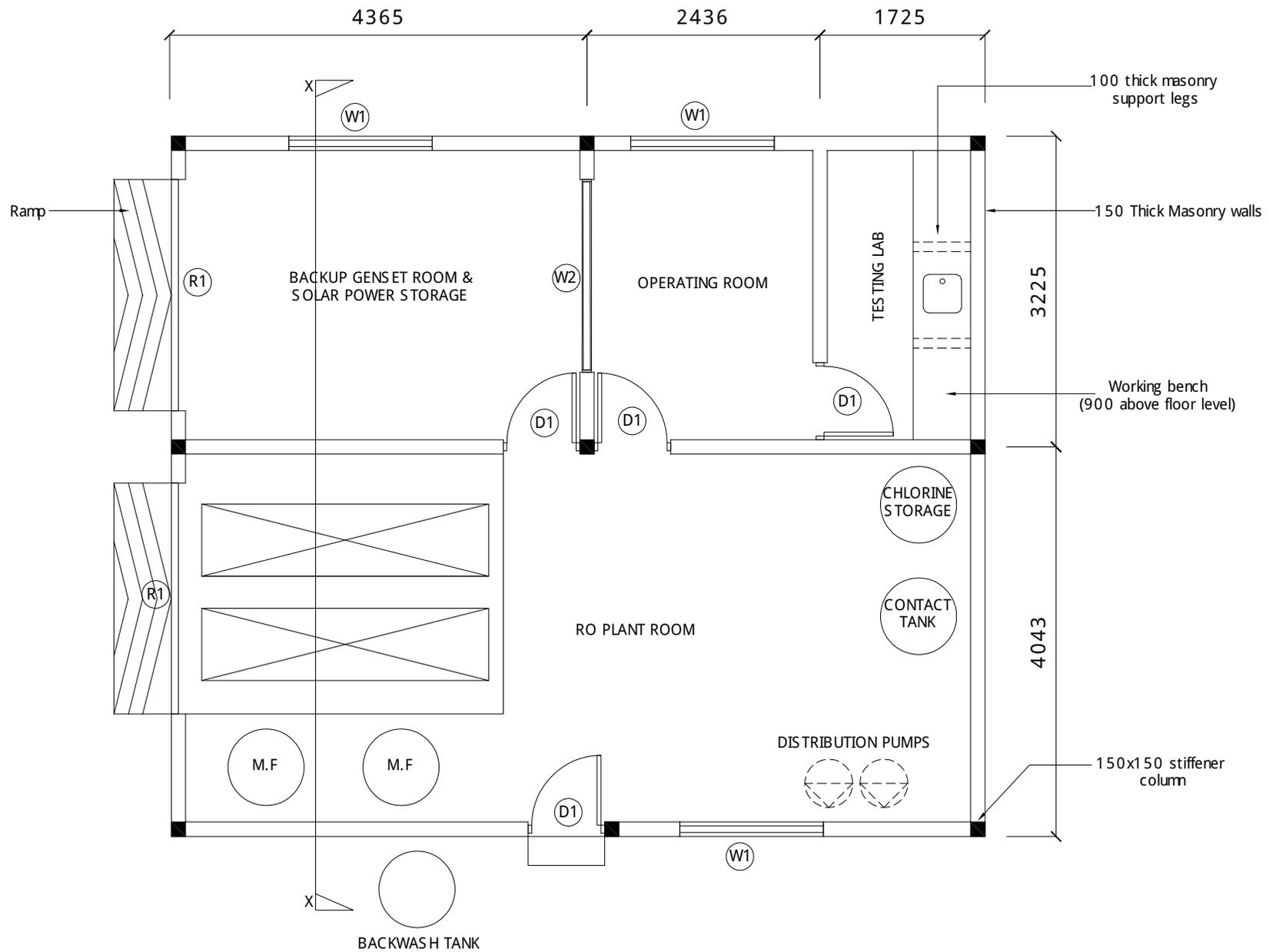
RO PLANT BUILDING AND CRITICAL DEVELOPMENTS

H.DH KUMUNDHOO

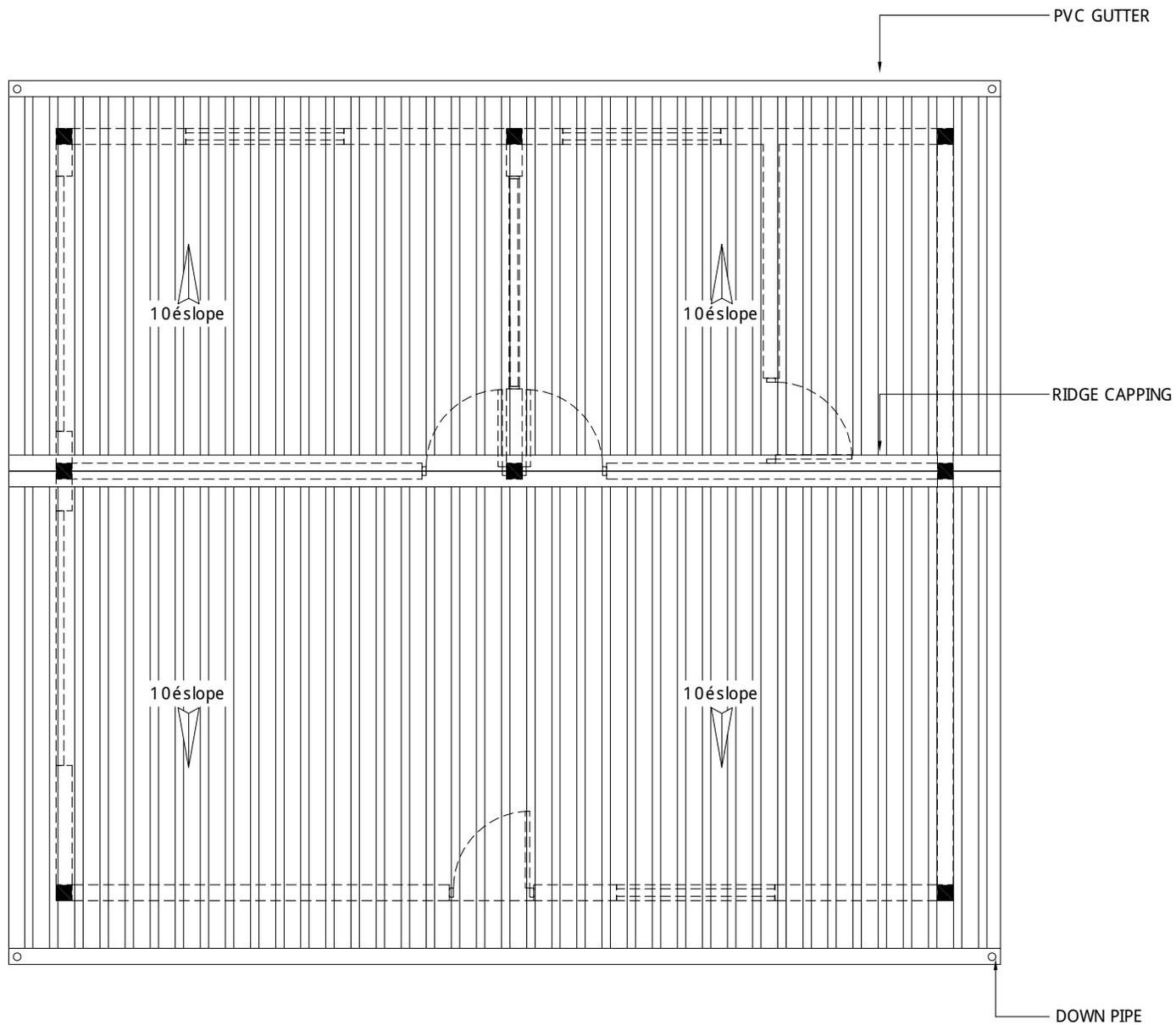
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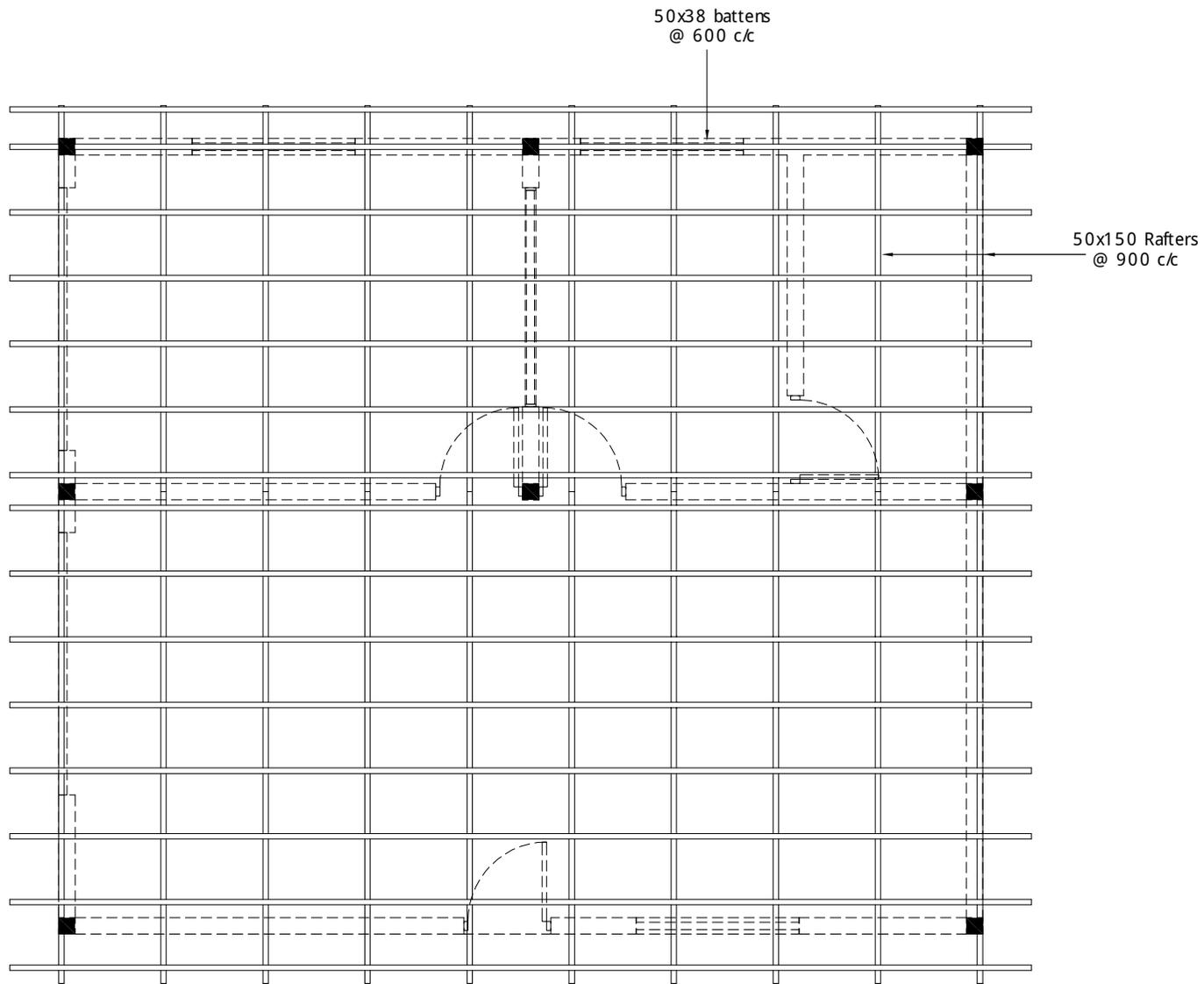
WATER SUPPLY AND STORAGE FACILITY SITE & BUILDING
SITE PLAN
HAA DHAALU KUMUNDHOO



RO PLANT BUILDING
FLOOR PLAN H.DH KUMUNDHOO

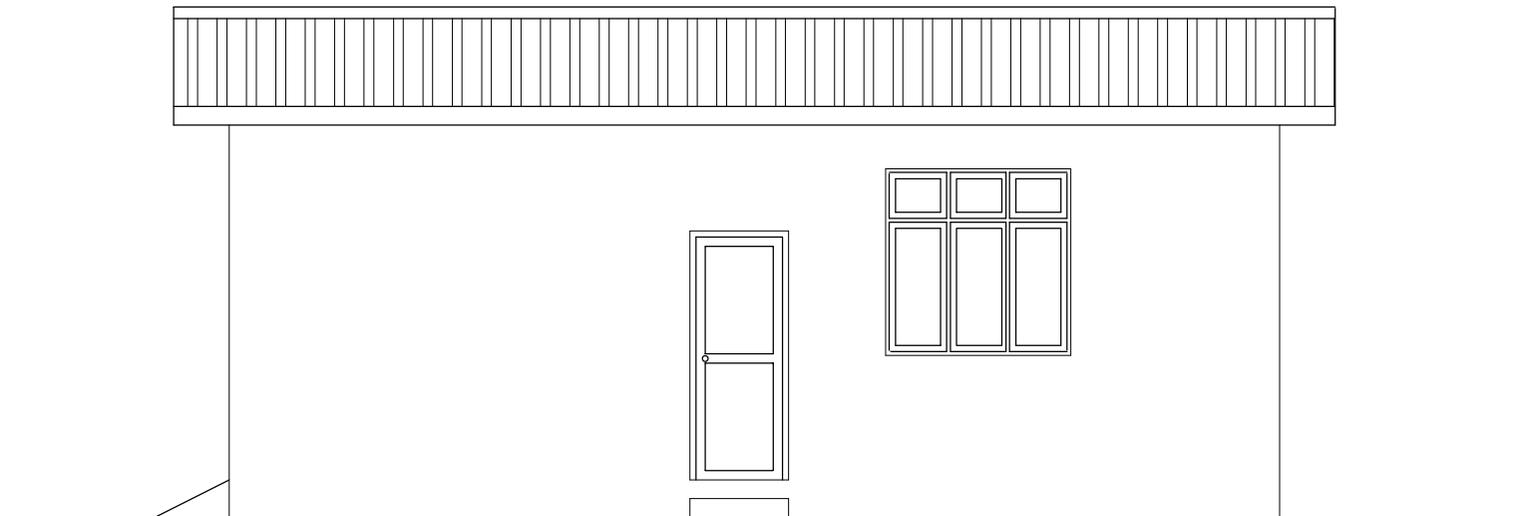


RO PLANT BUILDING
 ROOF PLAN H.DH KUMUNDHOO

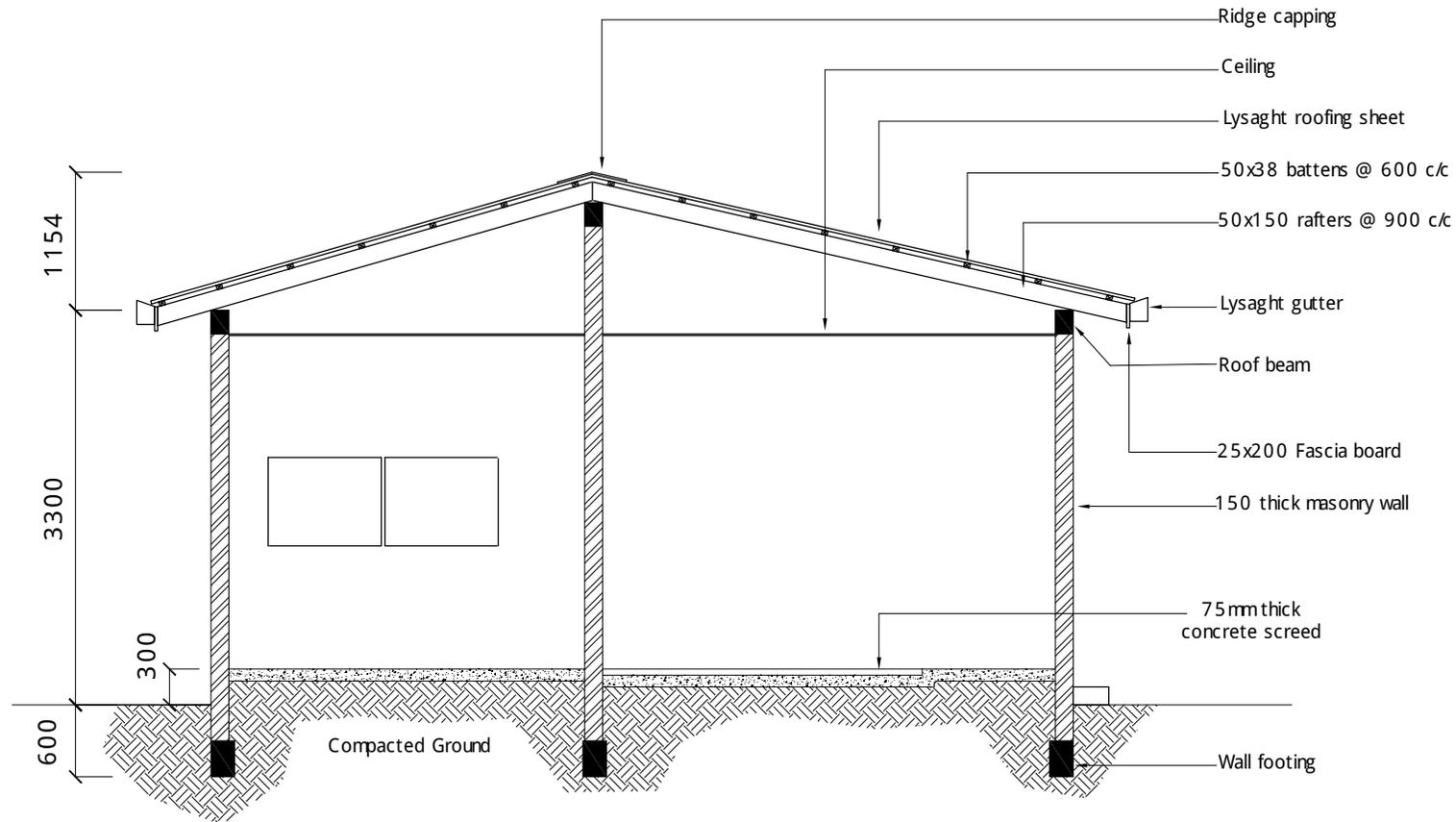


RO PLANT BUILDING
ROOF STRUCTURE

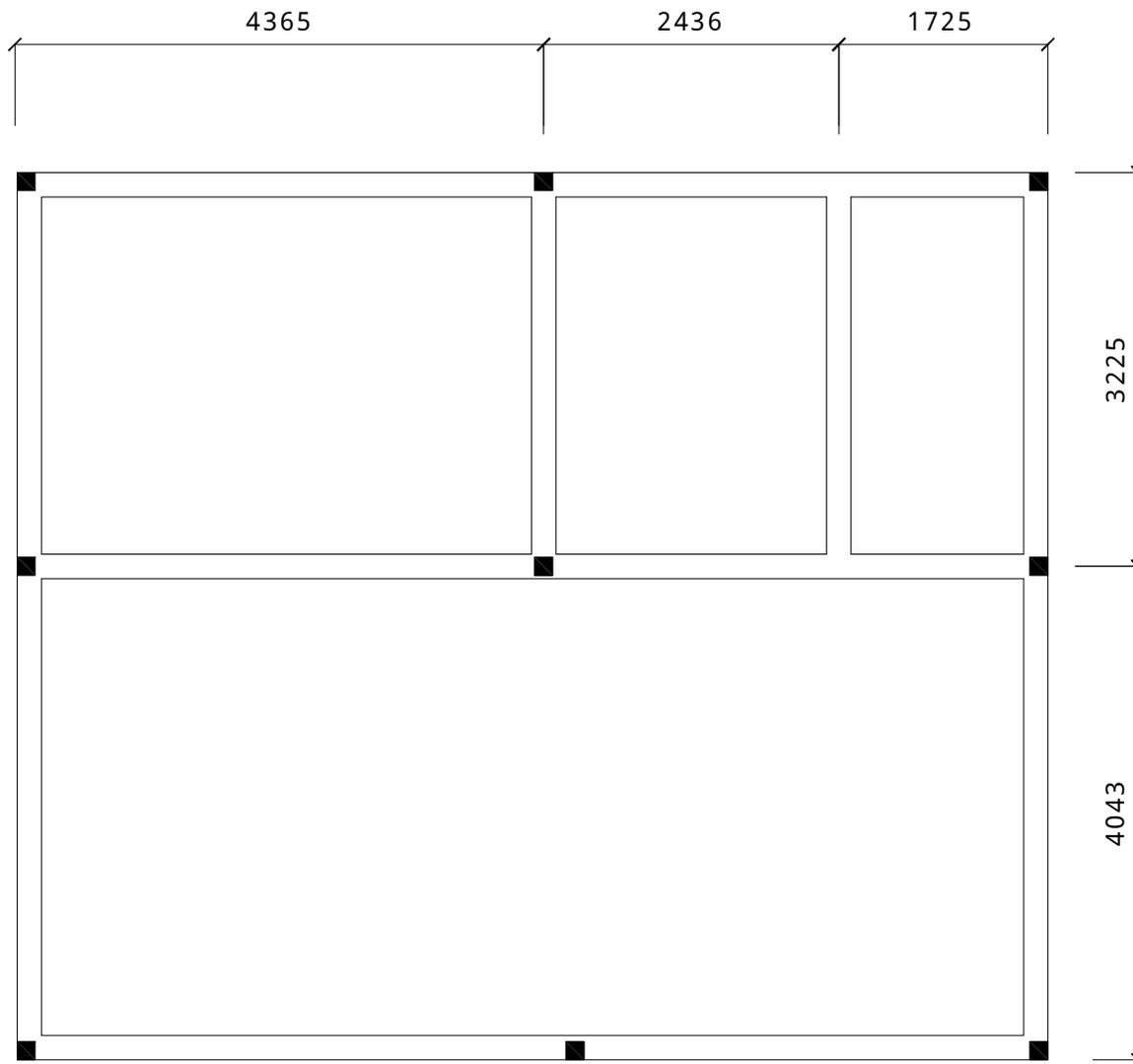
H.DH KUMUNDHOO



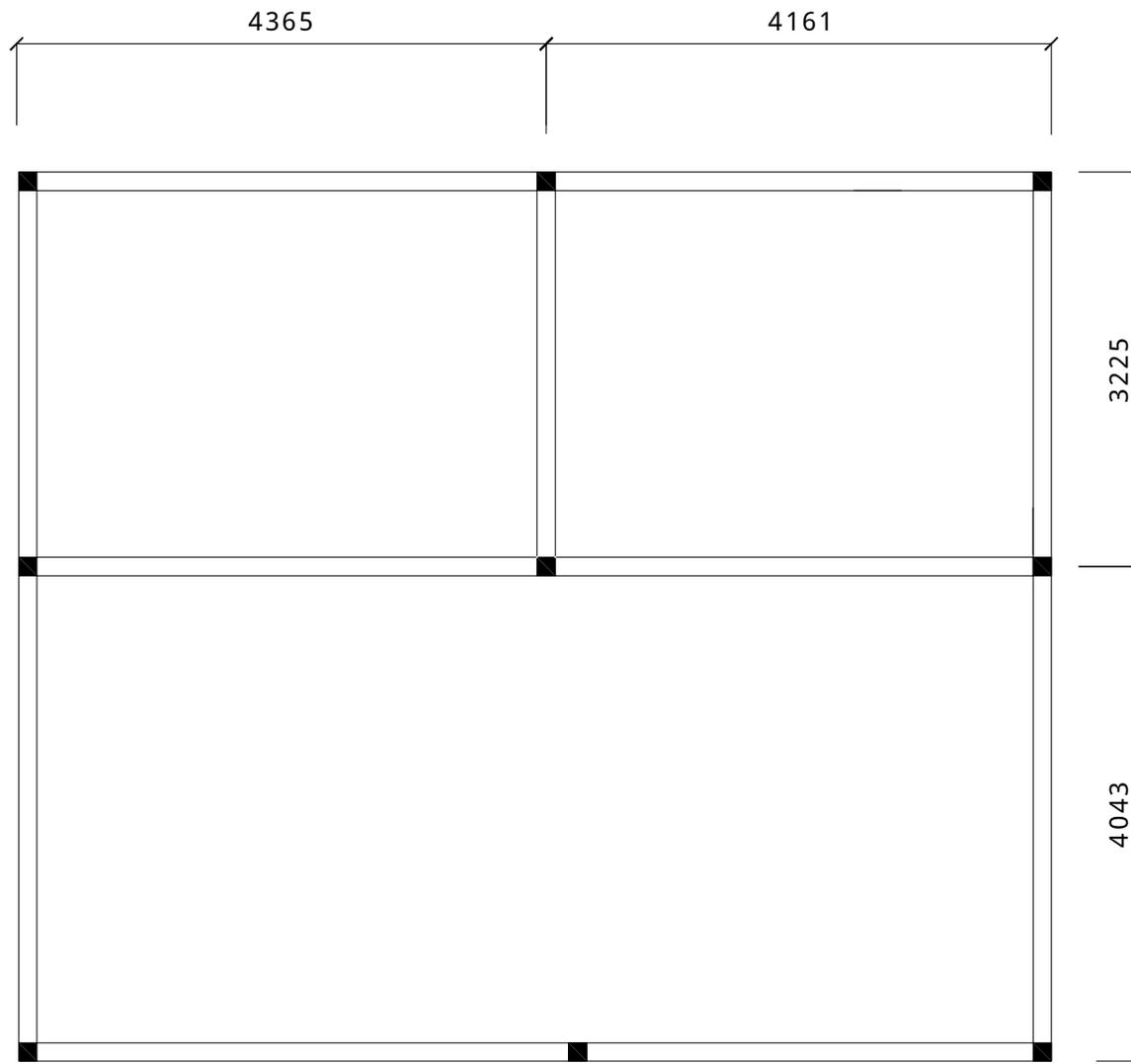
RO PLANT BUILDING
FRONT ELEVATION H.DH KUMUNDHOO



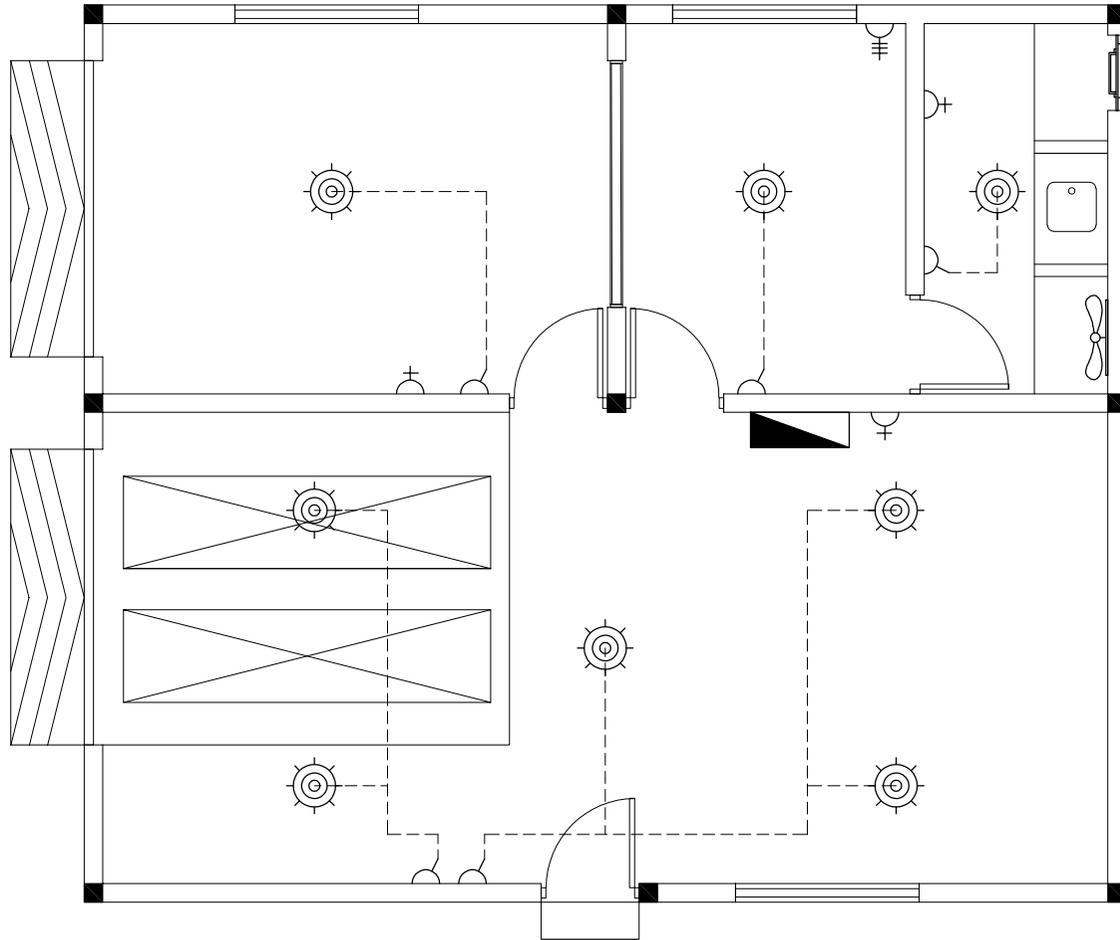
RO PLANT BUILDING
SECTION X-X H.DH KUMUNDHOO



RO PLANT BUILDING
 WALL FOOTING PLAN H.DH KUMUNDHOO

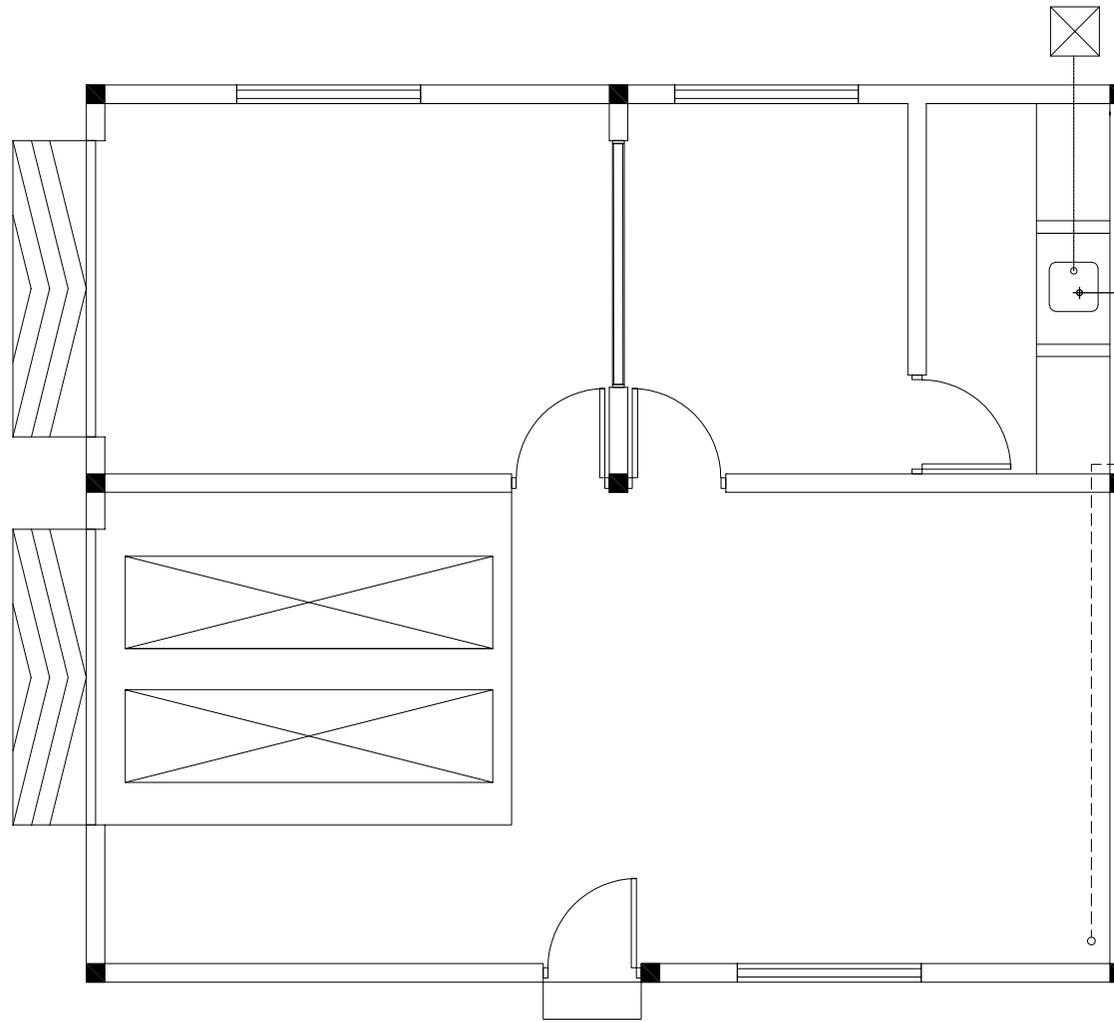


RO PLANT BUILDING
 ROOF BEAM PLAN H.DH KUMUNDHOO



- 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 H.DH KUMUNDHOO



- ⊕ — PVC Sink Tap
- ⊗ — Soak pit
- 25mm PVC Pipe
- 50mm PVC Train Pipe

RO PLANT BUILDING
 PLUMBING LAYOUT H.DH KUMUNDHOO

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

H.DH MAKUNUDHOO 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



Police station

WATER KIOSK

SUPPLY PIPE TO KIOSK

Masjidh Al Thaqa

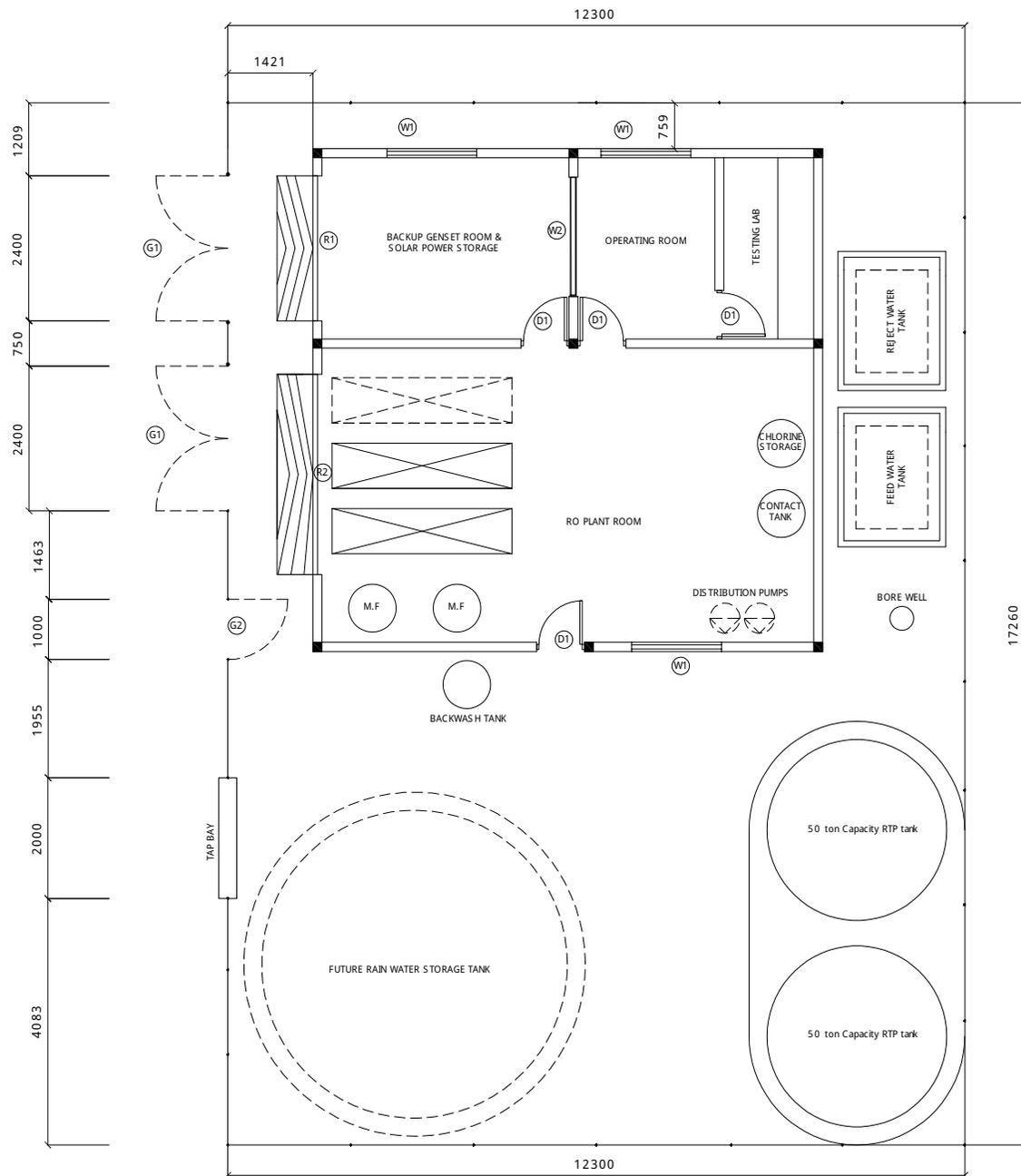
RO PLANT BUILDING
+ STORAGE TANK

TAP BAY

BRINE OUTFALL

RO PLANT BUILDING AND CRITICAL
DEVELOPMENTS

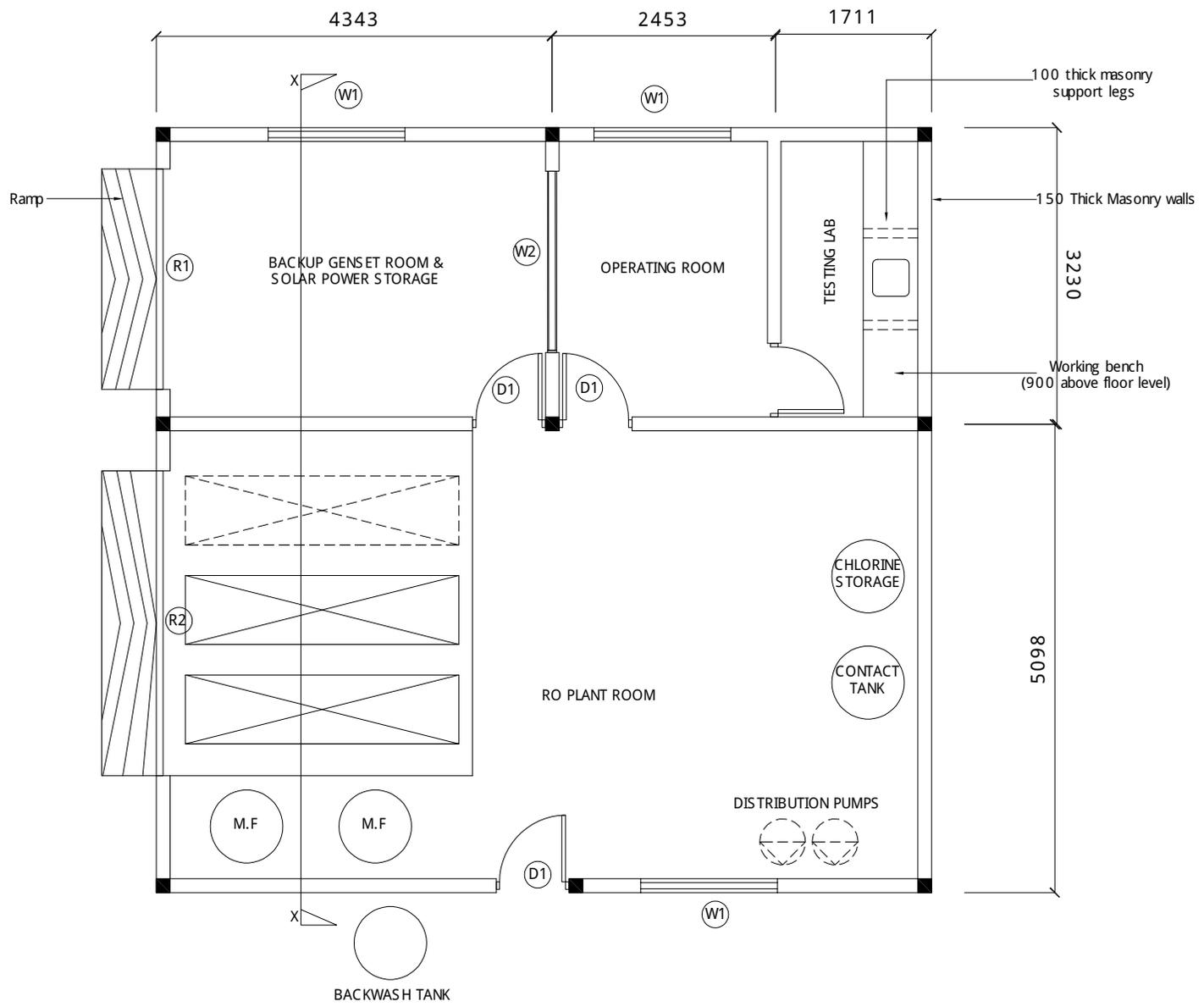
H.DH MAKUNUDHOO



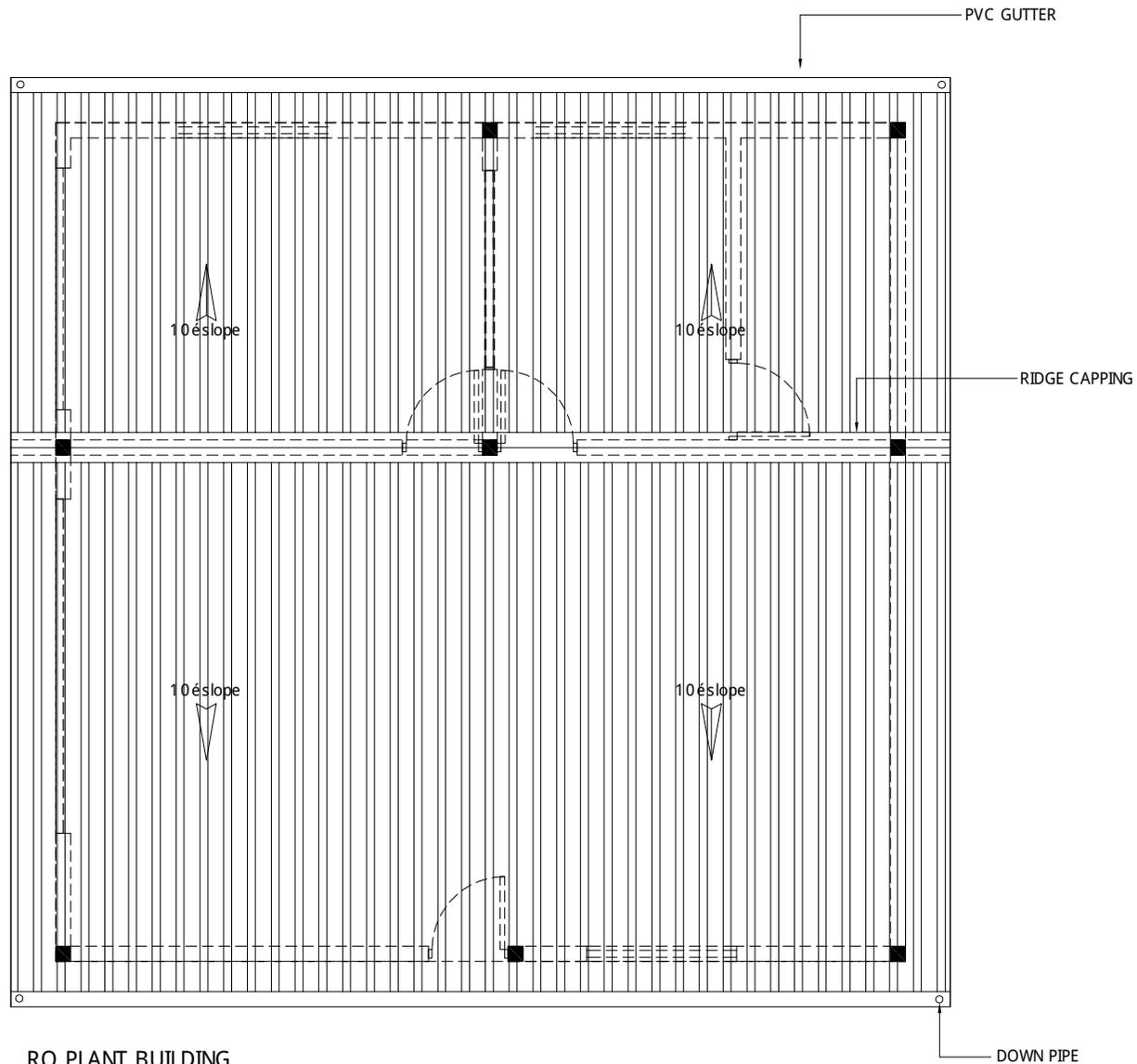
WATER SUPPLY AND STORAGE FACILITY SITE & BUILDING SITE PLAN
SITE PLAN

HAA DHAALU MAKUNUDHOO

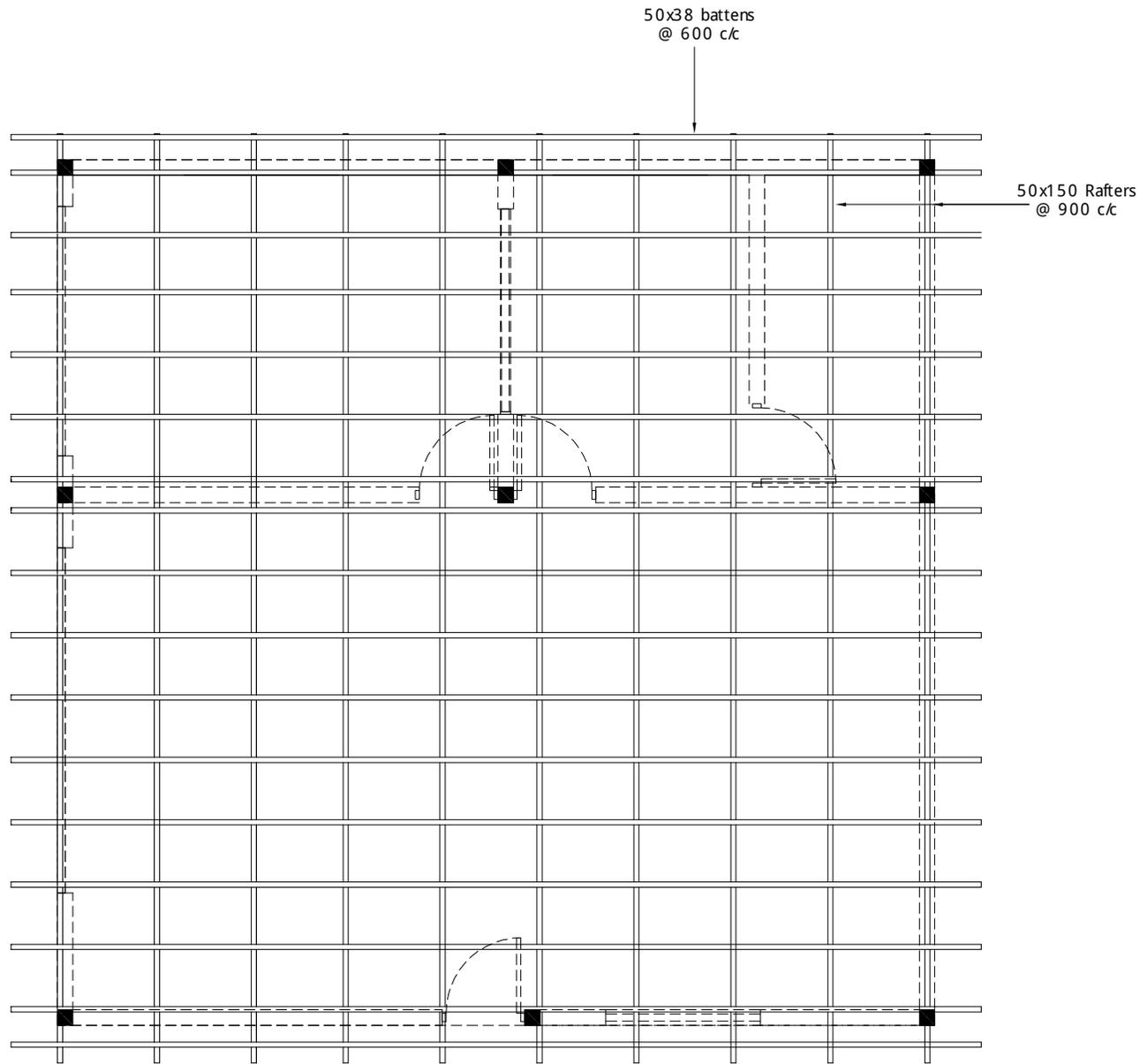




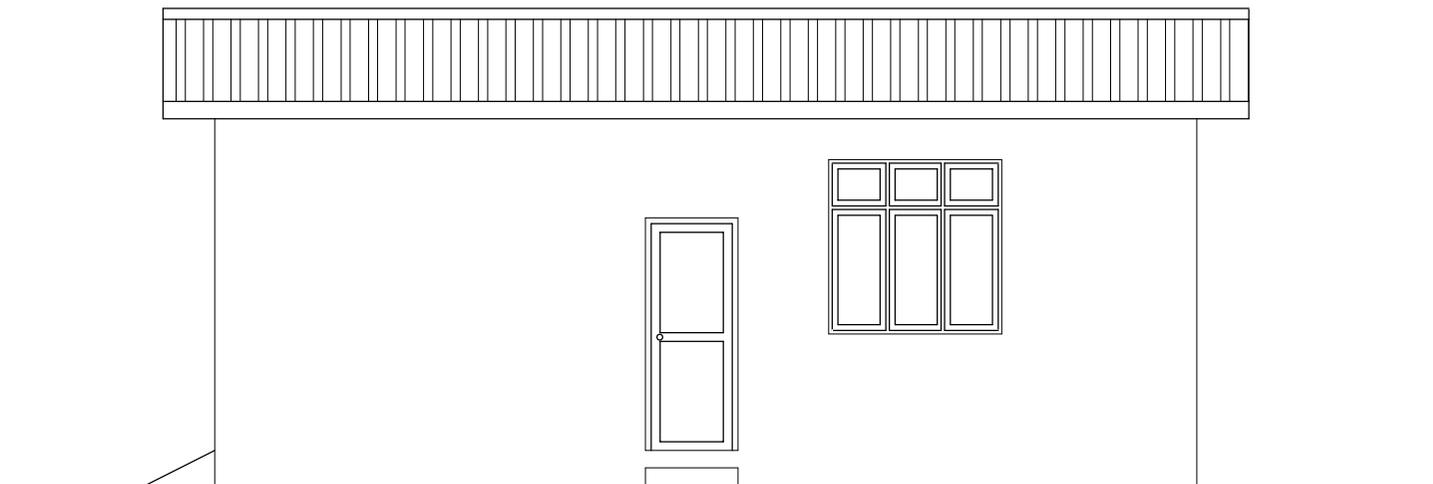
RO PLANT BUILDING
FLOOR PLAN HAA DHAALU MAKUNUDHOO



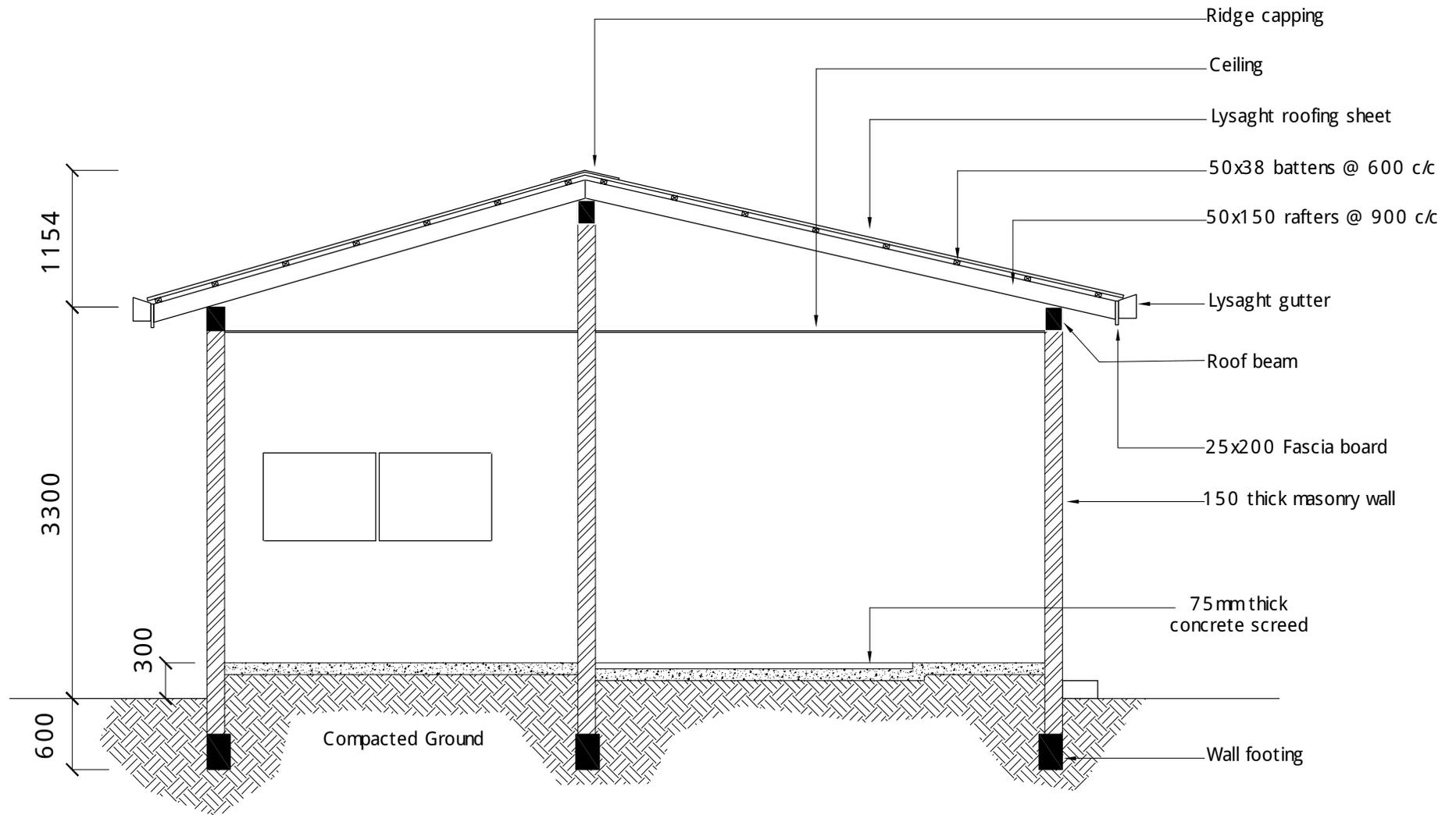
RO PLANT BUILDING
 ROOF PLAN HAA DHAALU MAKUNUDHOO



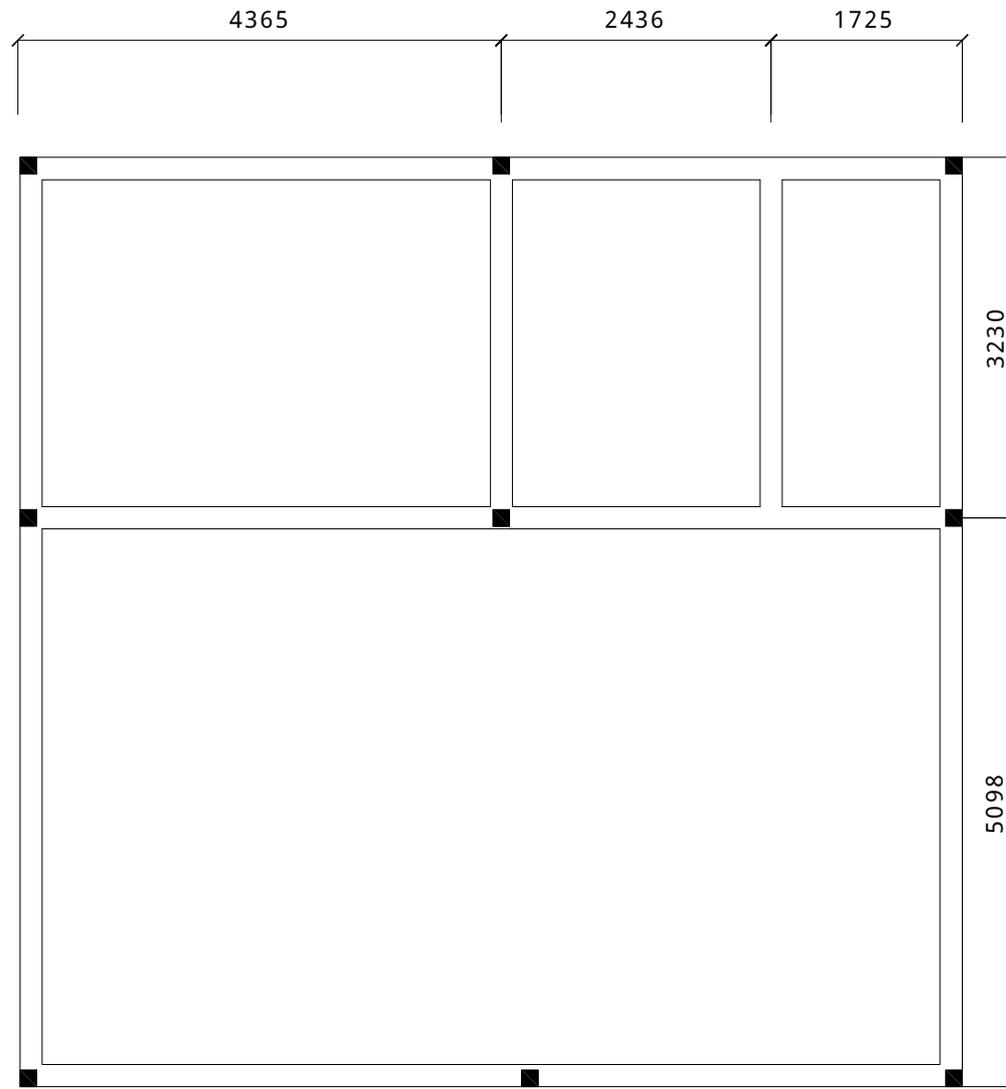
RO PLANT BUILDING
ROOF STRUCTURE HAA DHAALU MAKUNUDHOO



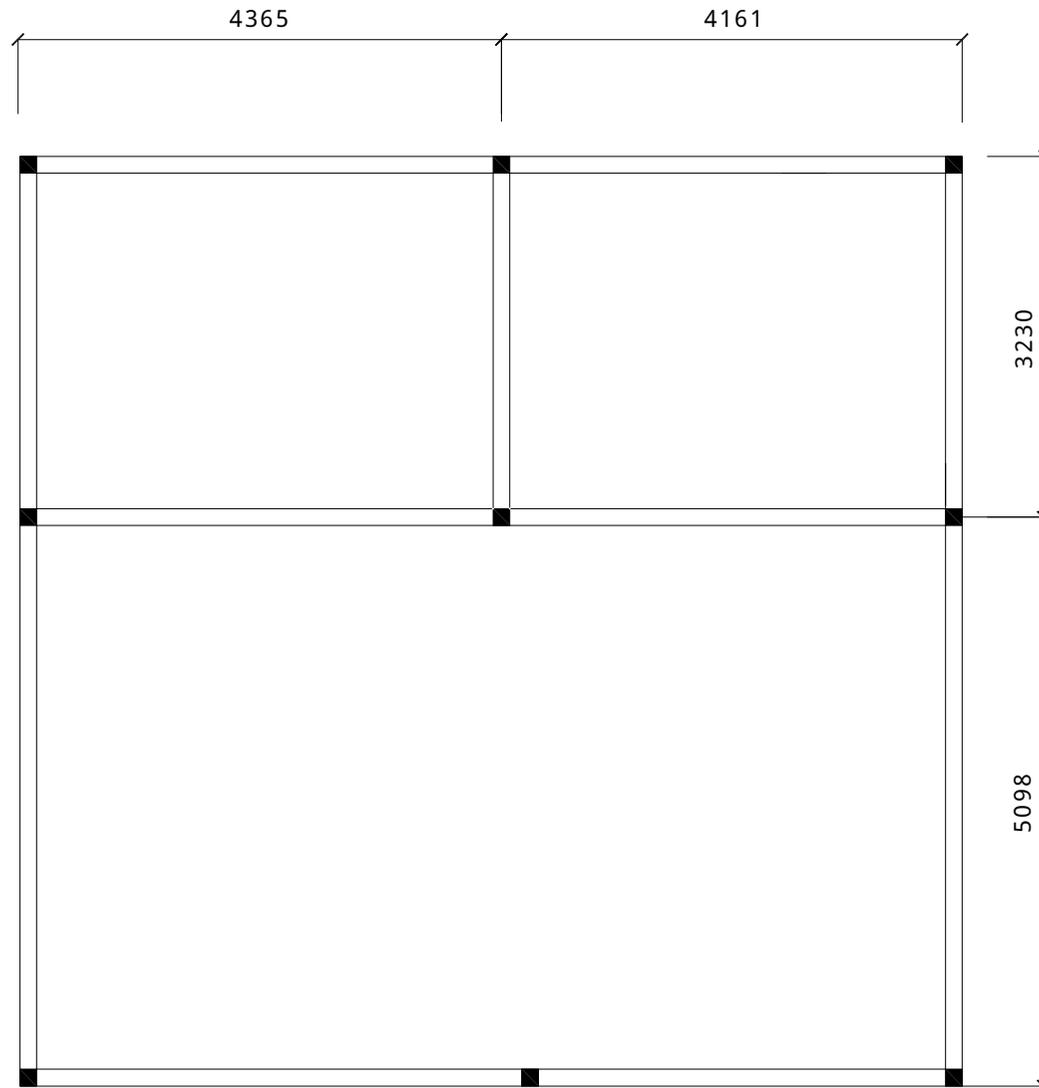
RO PLANT BUILDING
FRONT ELEVATION HAA DHAALU MAKUNUDHOO



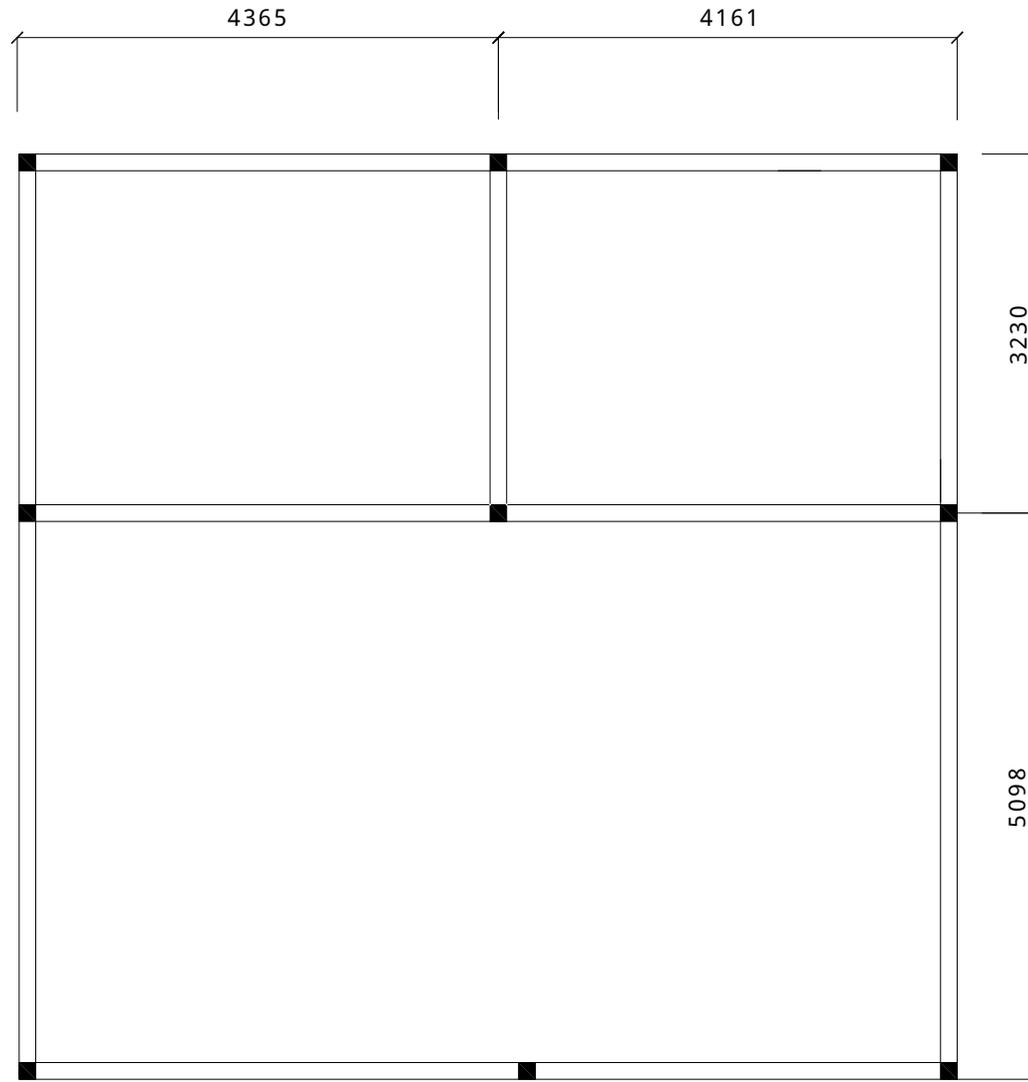
RO PLANT BUILDING
SECTION X-X HAA DHAALU MAKUNUDHOO



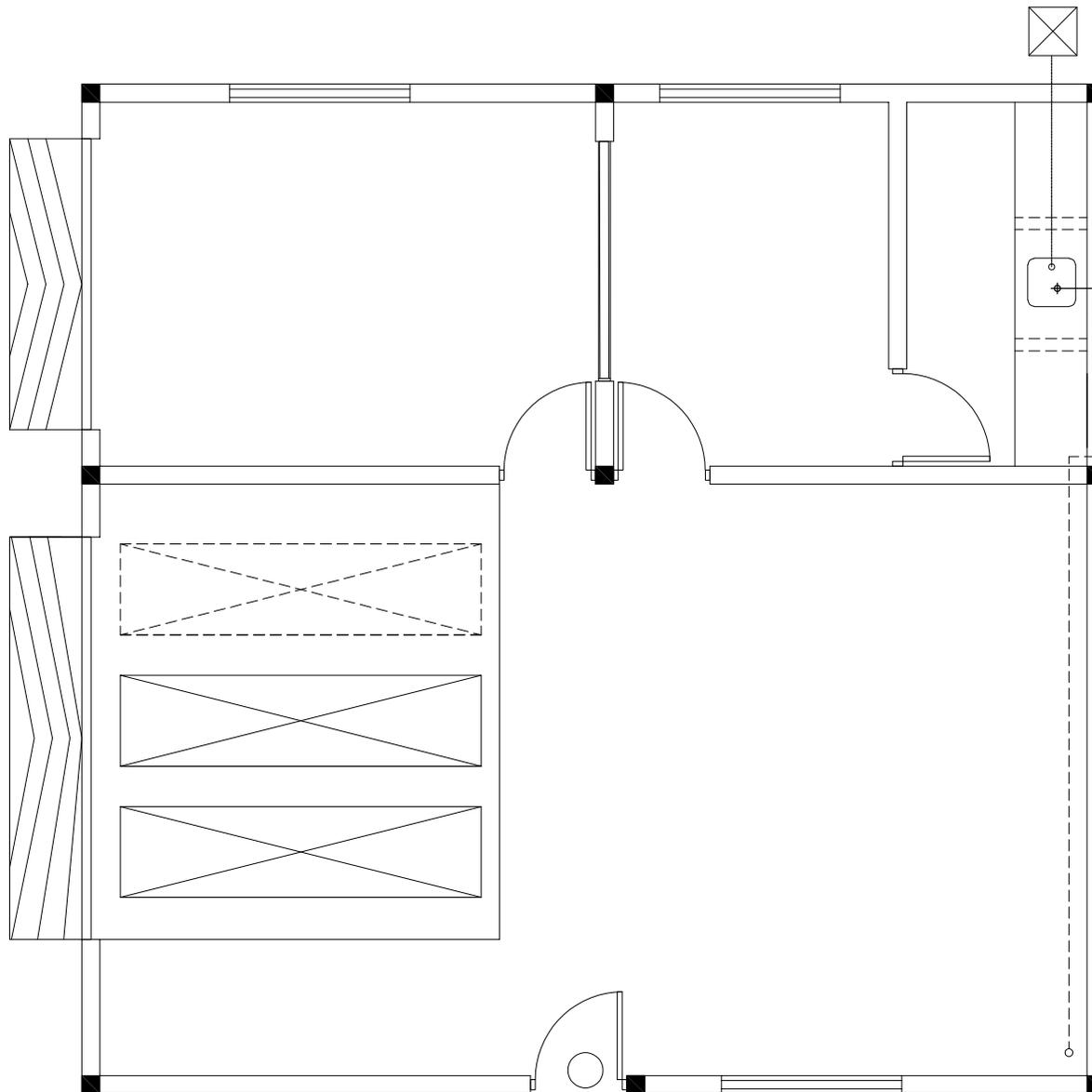
RO PLANT BUILDING
 WALL FOOTING PLAN HAA DHAALU MAKUNUDHOO



RO PLANT BUILDING
 ROOF BEAM PLAN HAA DHAALU MAKUNUDHOO

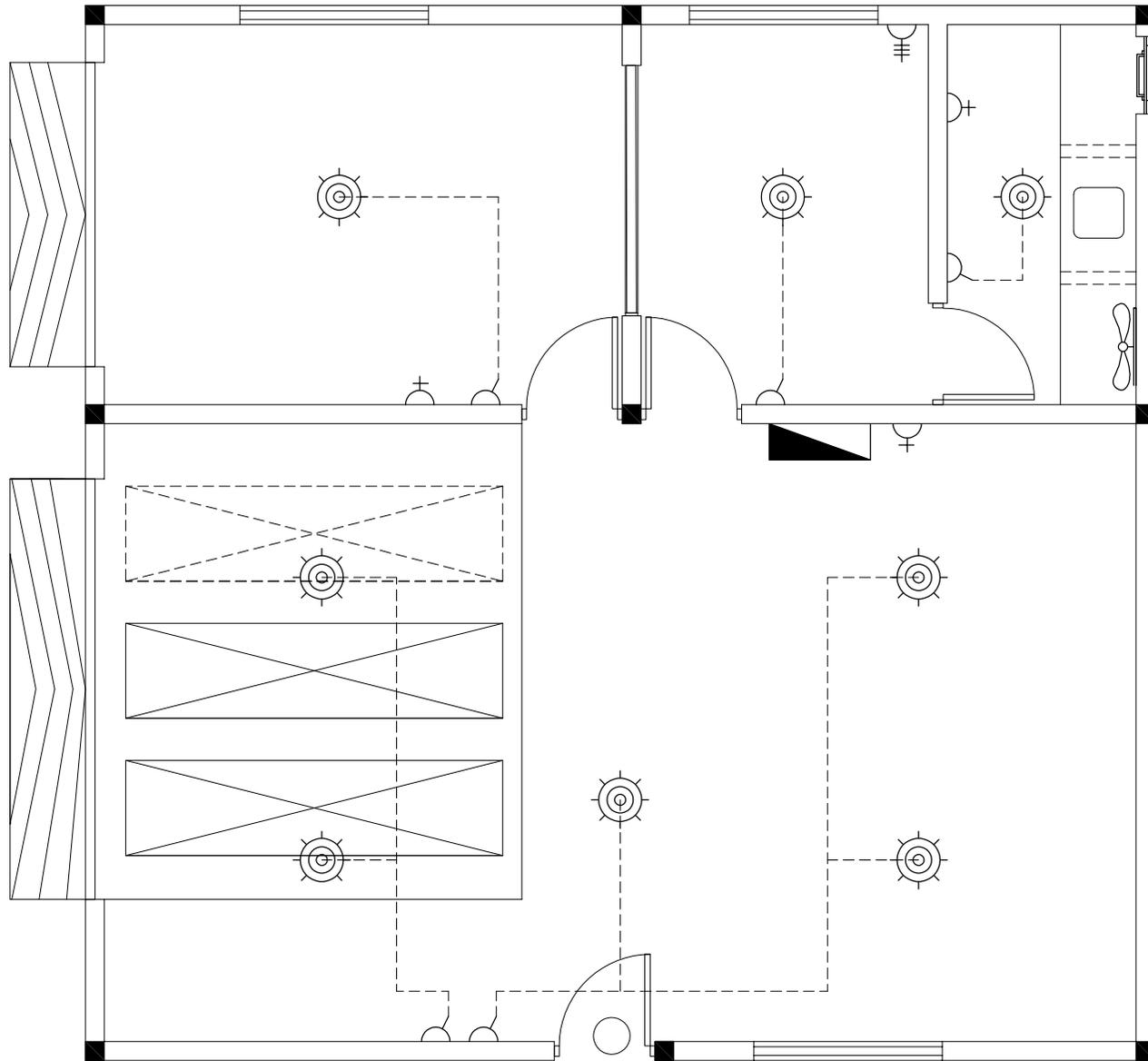


RO PLANT BUILDING
 ROOF BEAM PLAN HAA DHAALU MAKUNUDHOO



- ⊕ — PVC Sink Tap
- ⊗ — Soak pit
- 25mm PVC Pipe
- 50mm PVC Train Pipe

RO PLANT BUILDING
 PLUMBING LAYOUT H.DH MAKUNUDHOO



- 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

H.DH MAKUNUDHOO

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

H.DH NELLAIDHOO 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



BRINE OUTFALL PIPE

RO PLANT
BUILDING AND
STORAGE TANK

TAP BAY

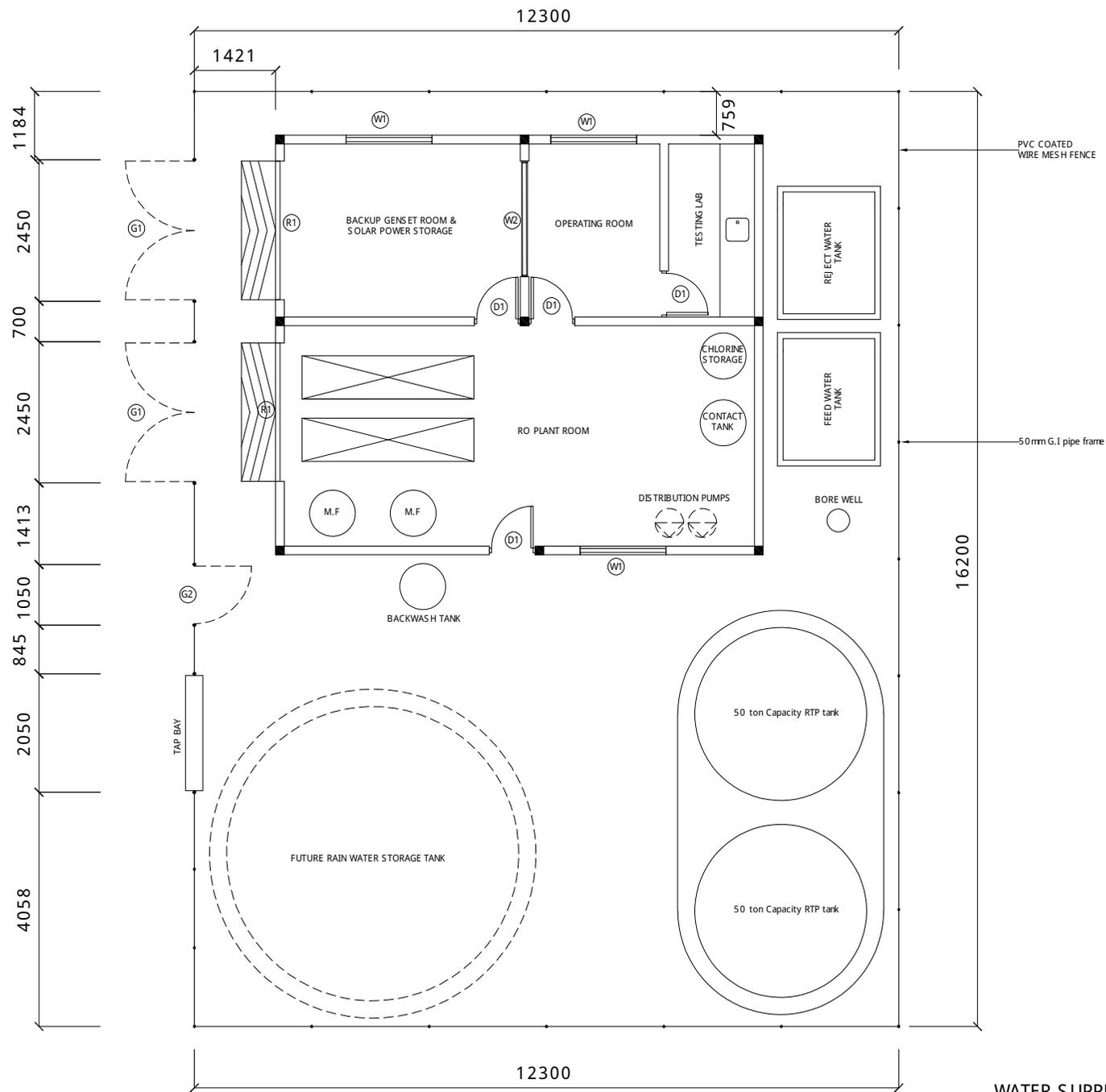
SUPPLY PIPE TO
HARBOUR KIOSK

HARBOUR KIOSK

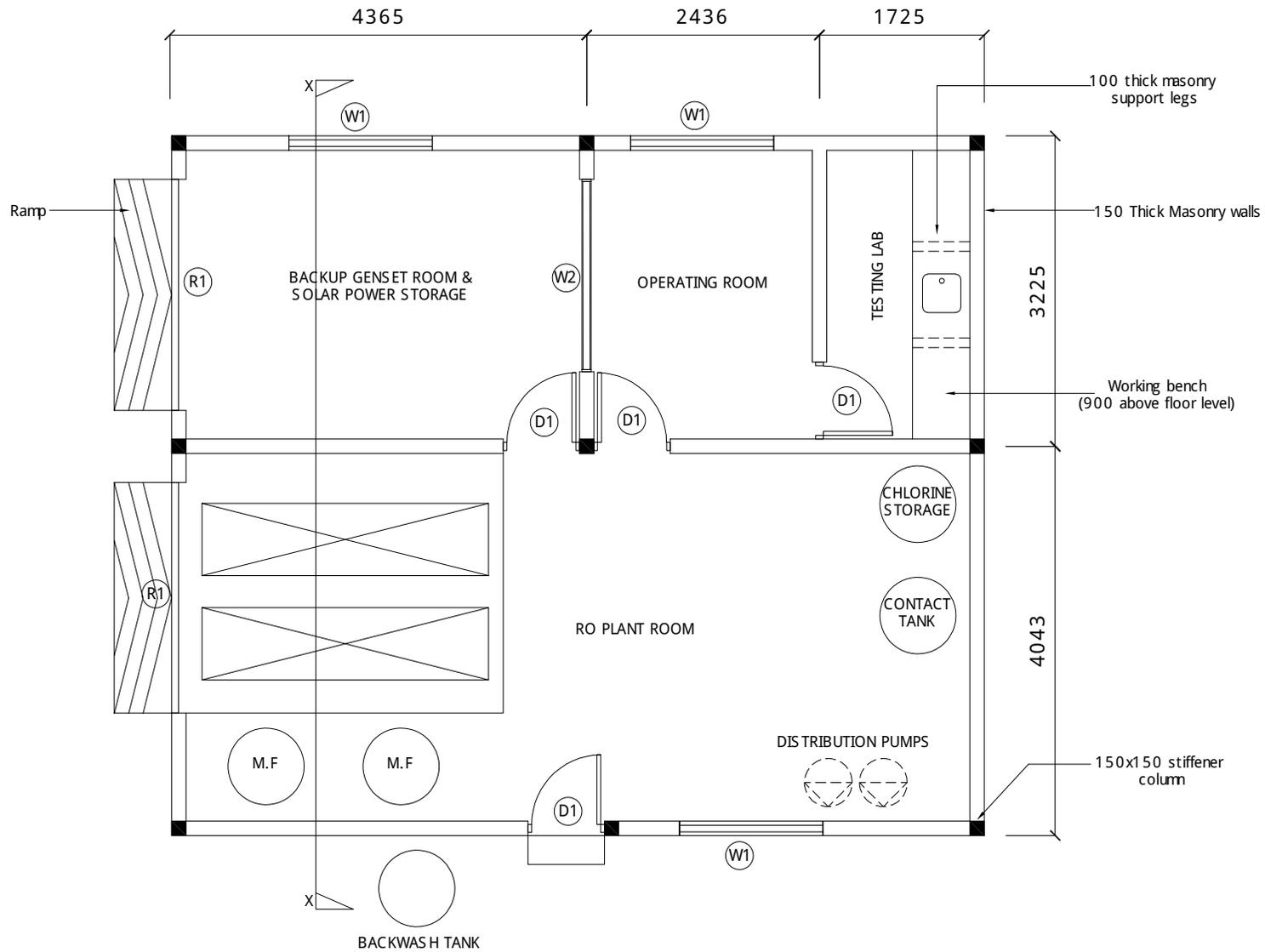
RO PLANT BUILDING AND CRITICAL
DEVELOPMENTS
H.DH NELAIIDHOO

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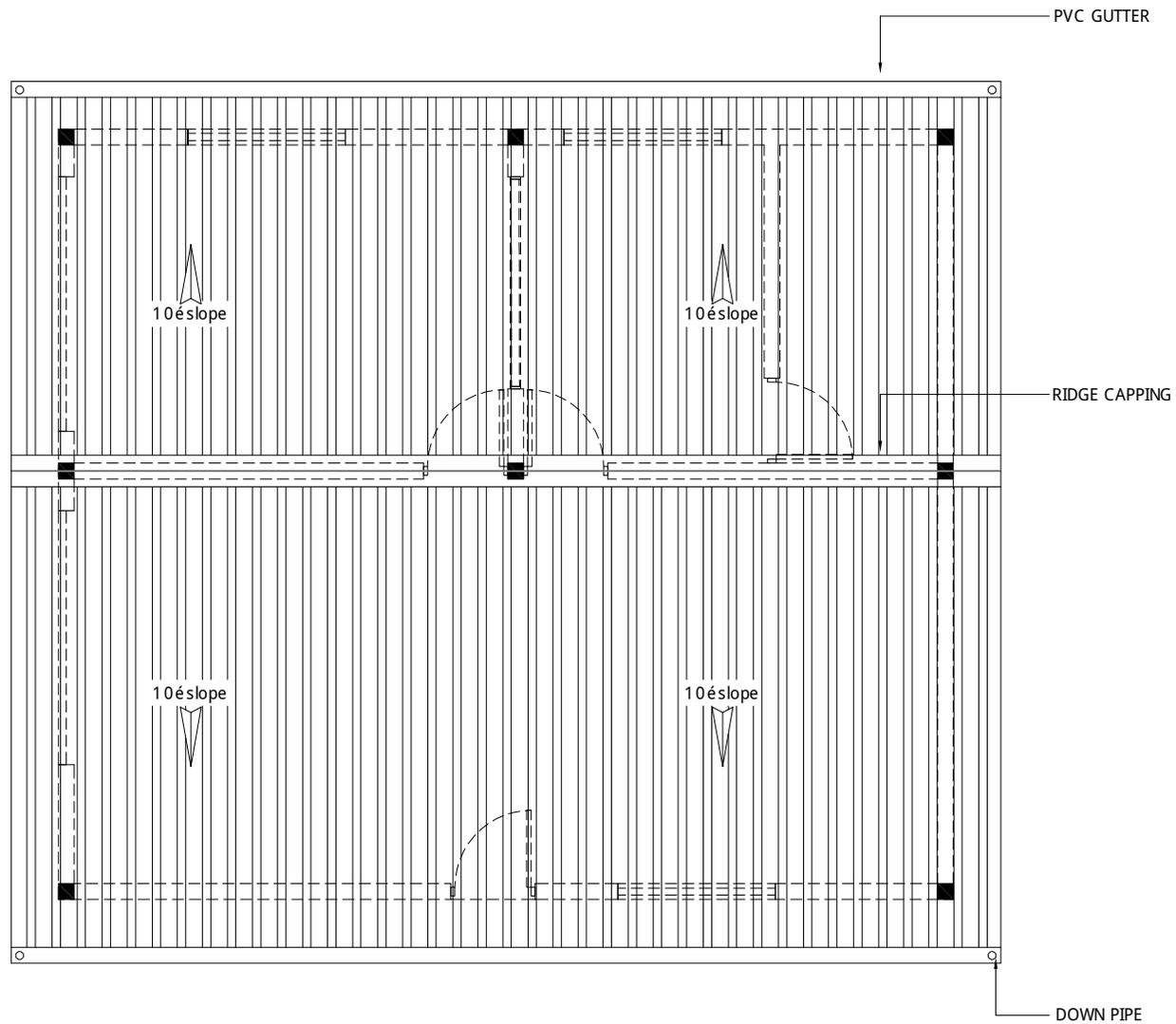
Imagery ©2017 CNES / Astrium, Map data ©2017



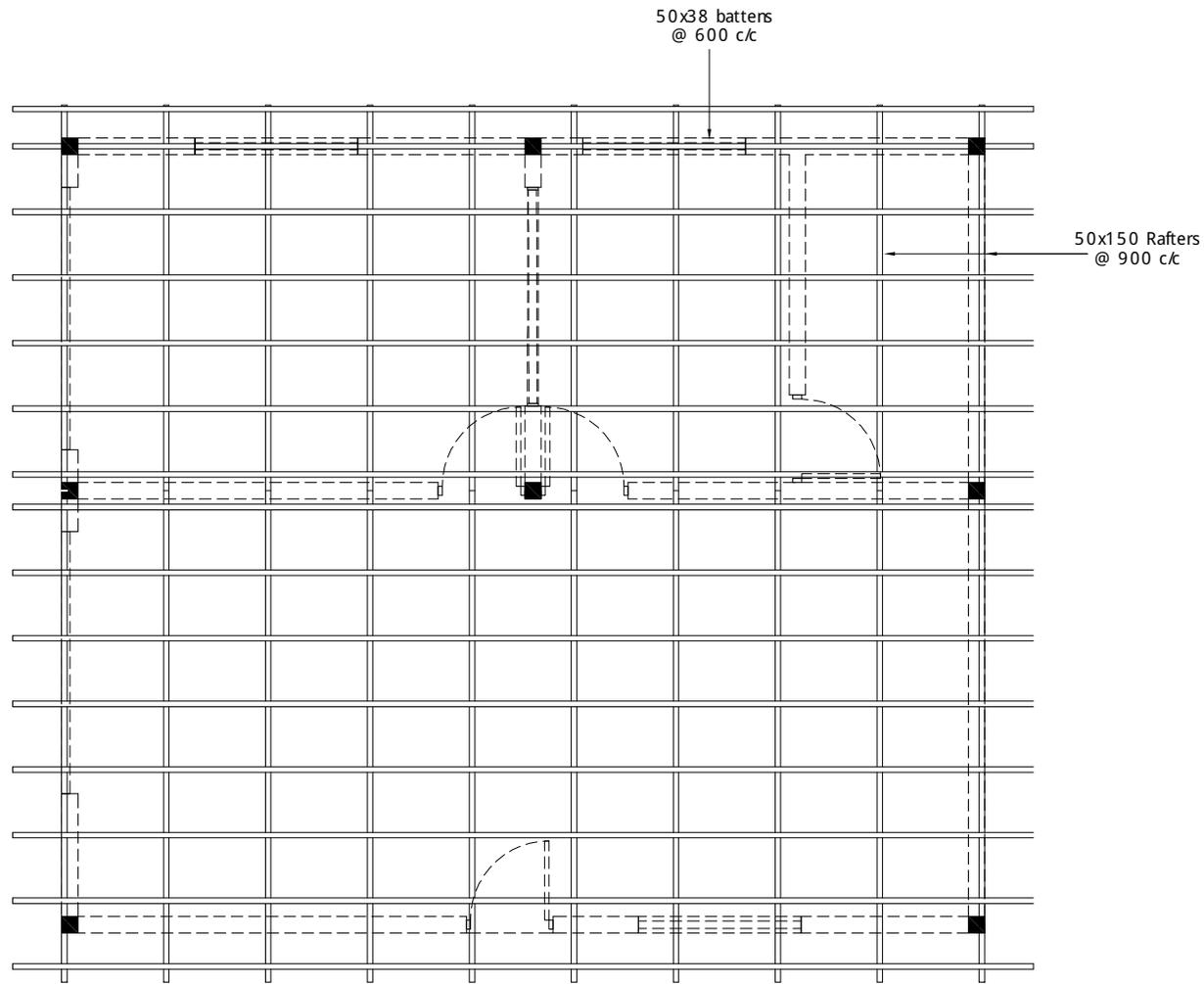
WATER SUPPLY AND STORAGE FACILITY SITE & BUILDING
SITE PLAN
H.DH NELLAIDHOO



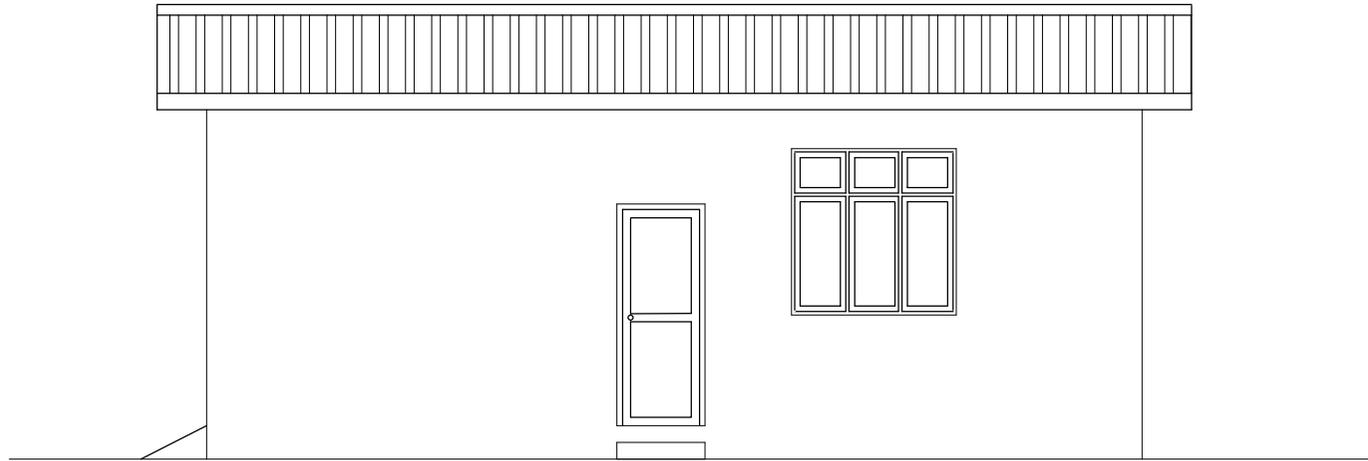
RO PLANT BUILDING
 FLOOR PLAN H.DH NELLAIDHOO



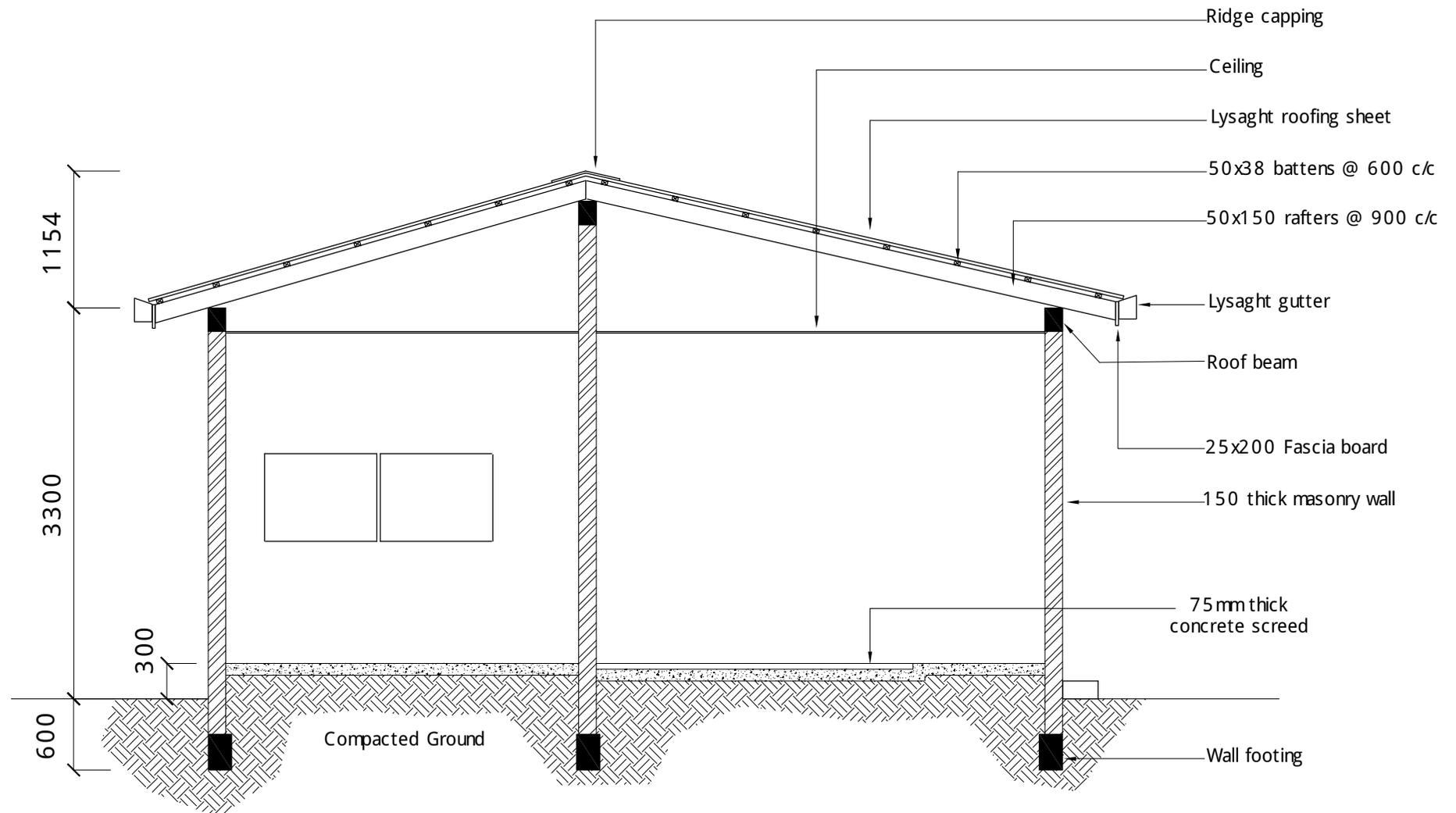
RO PLANT BUILDING
 ROOF PLAN H.DH NELLAIDHOO



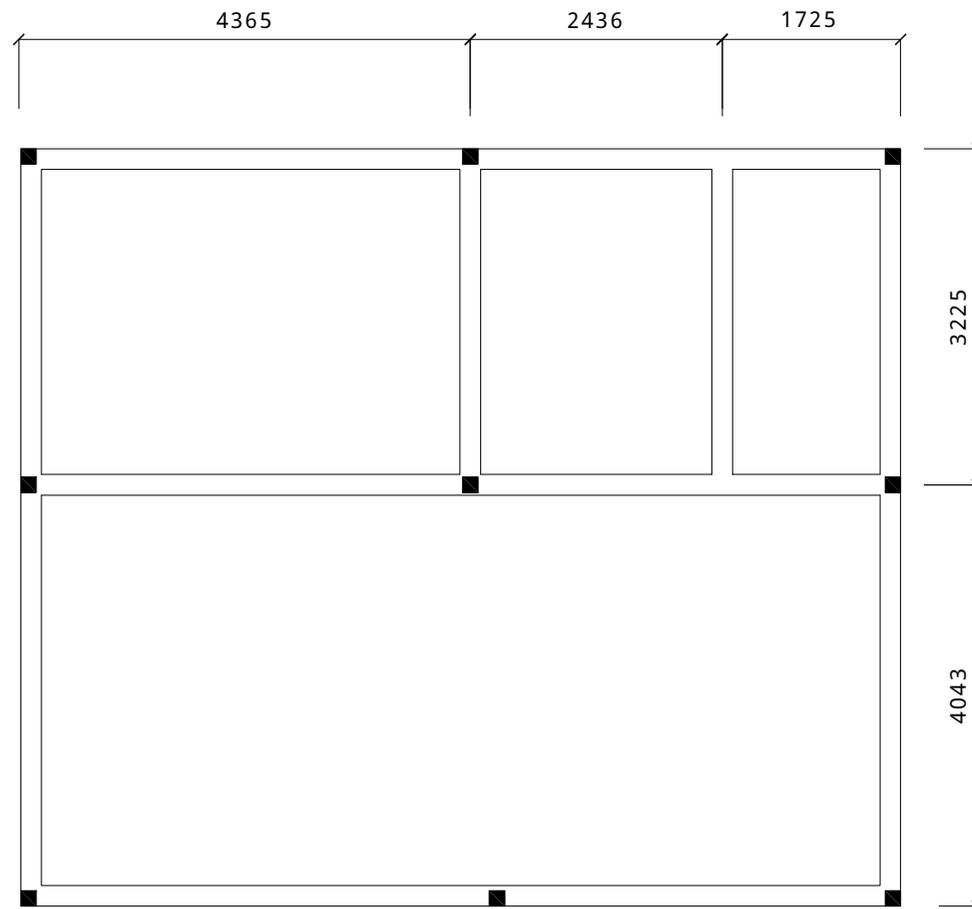
RO PLANT BUILDING
ROOF STRUCTURE H.DH NELLADHOO



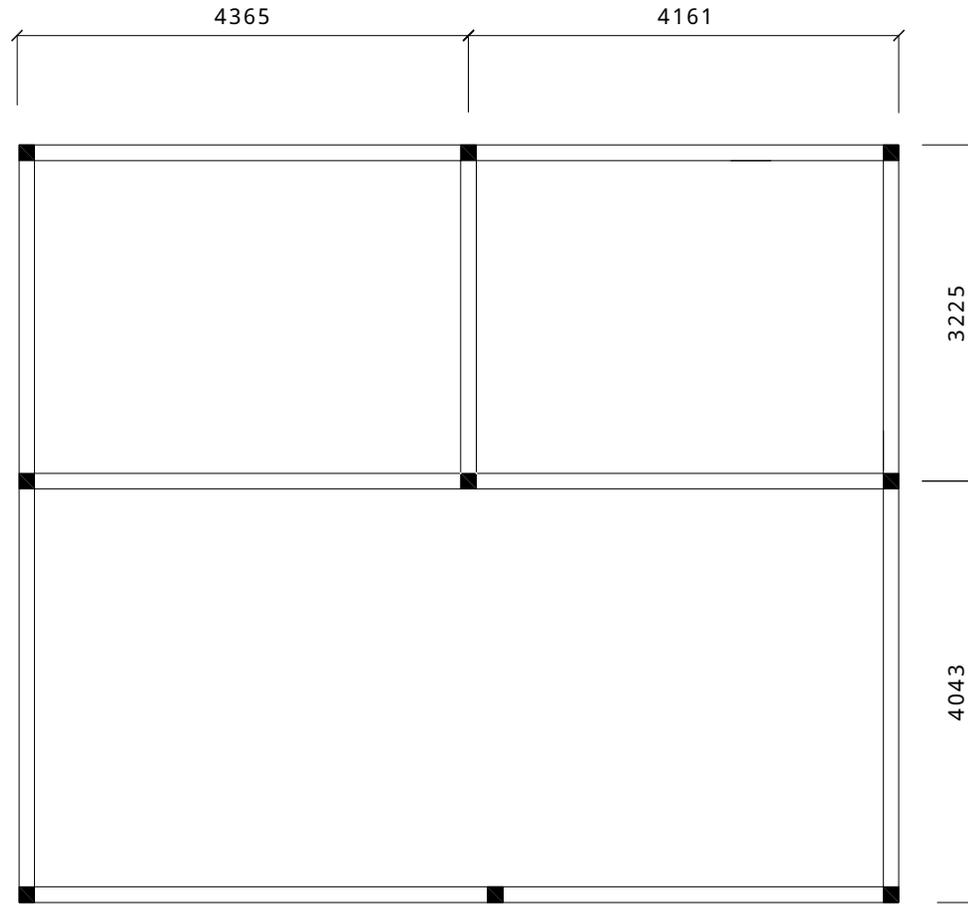
RO PLANT BUILDING
FRONT ELEVATION H.DH NELLAI DHOO



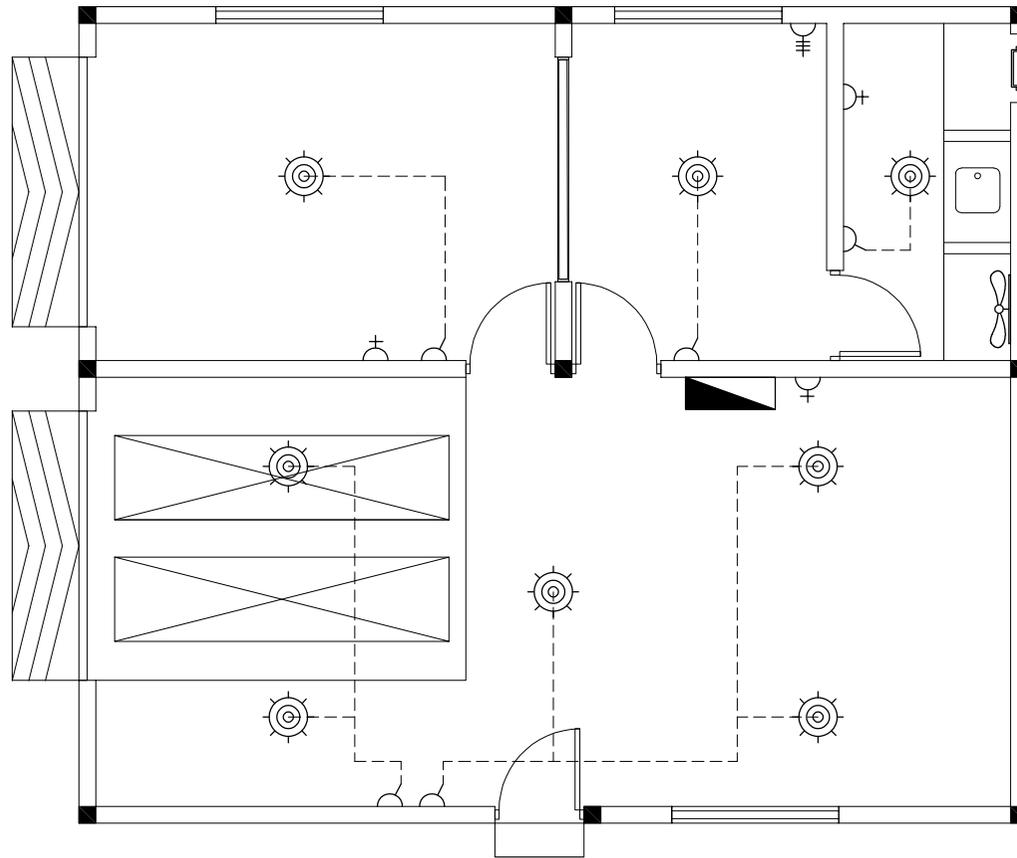
RO PLANT BUILDING
SECTION X-X H.DH NELLAIDHOO



RO PLANT BUILDING
 WALL FOOTING PLAN H.DH NELLAIDHOO

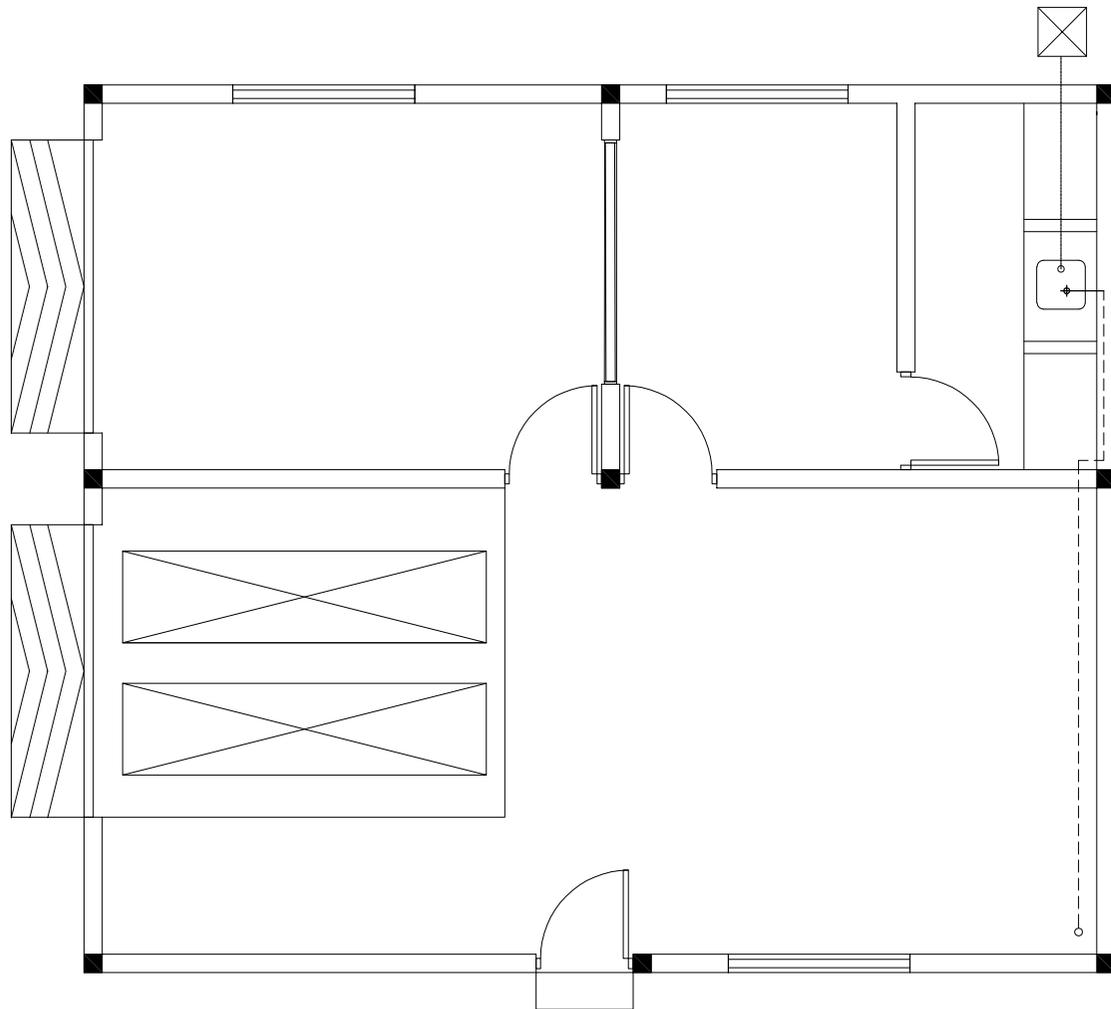


RO PLANT BUILDING
 ROOF BEAM PLAN H.DH NELLAIDHOO



- 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 H.DH NELLAIDHOO



- ⊕ PVC Sink Tap
- ⊗ Soak pit
- 25mm PVC Pipe
- 50mm PVC Train Pipe

RO PLANT BUILDING
 PLUMBING LAYOUT H.DH NELLAIDHOO

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

H.DH NOLHIVARAM 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



RO PLANT BUILDING +
STORAGE TANK

TAP BAY

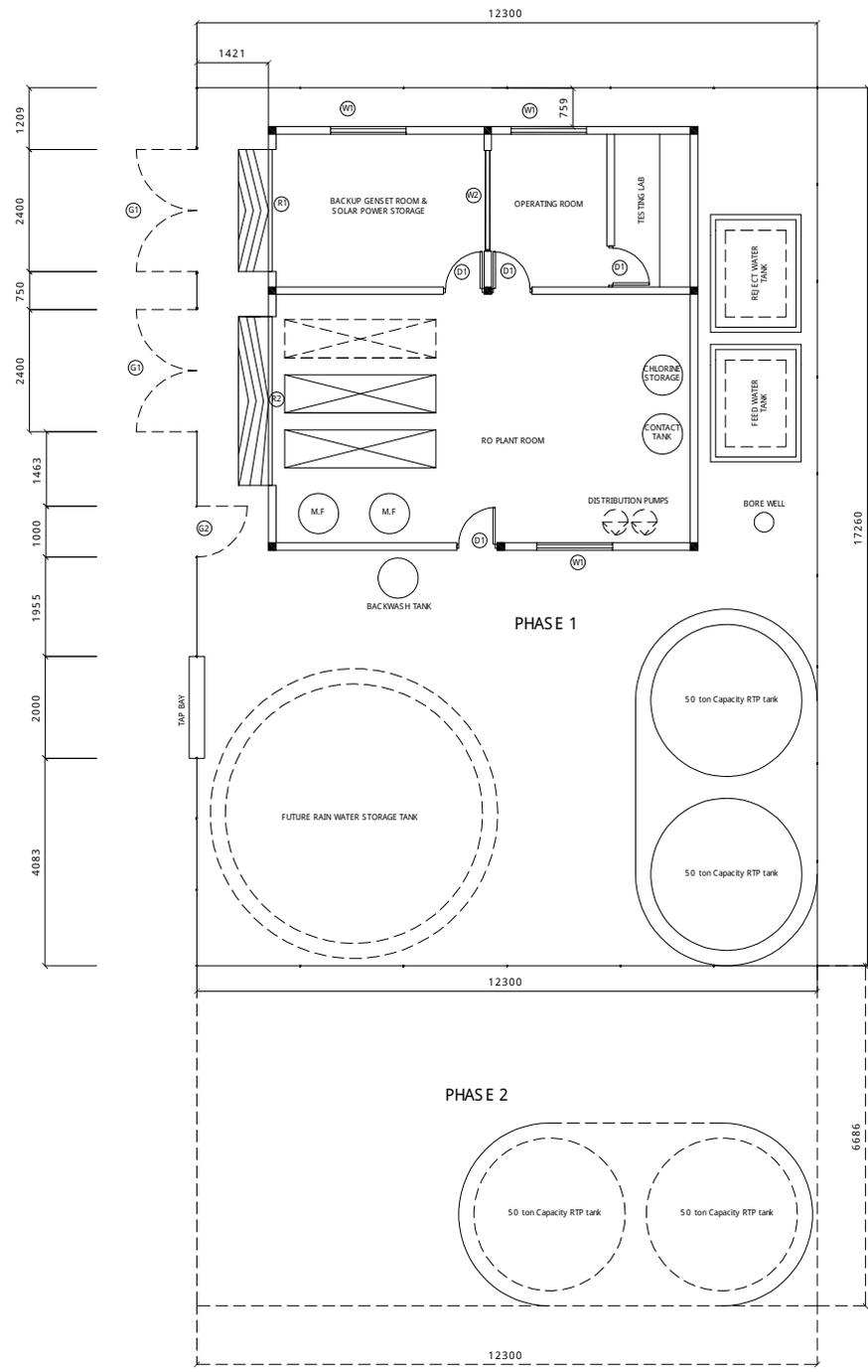
BRINE OUTFALL

SUPPLY PIPE TO KIOSK

WATER KIOSK

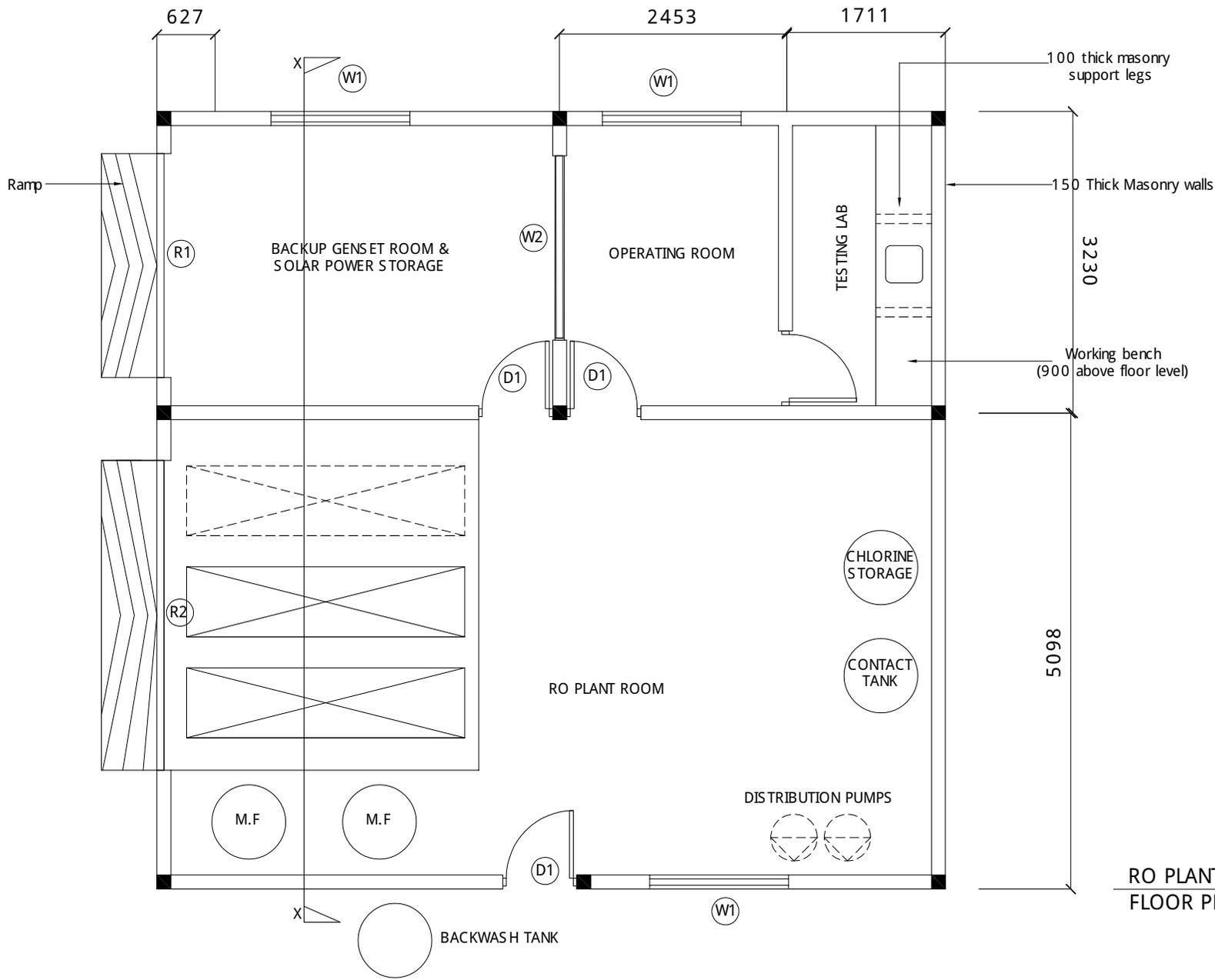
RO PLANT BUILDING AND CRITICAL
DEVELOPMENTS

H.DH NOLHIVARAM

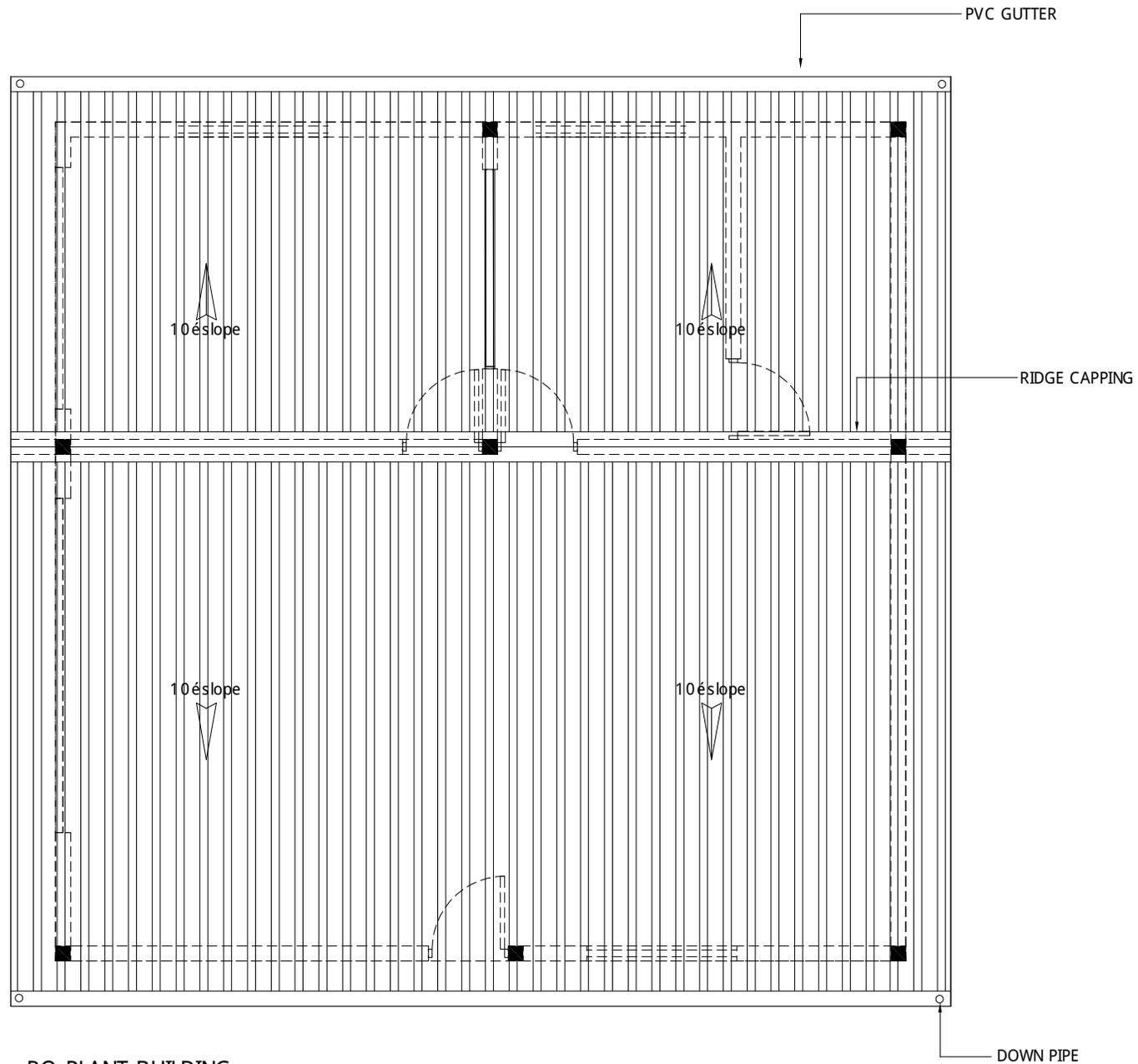


WATER SUPPLY AND STORAGE FACILITY SITE & BUILDING SITE PLAN
HAA DHAALU NOLHIVARAM

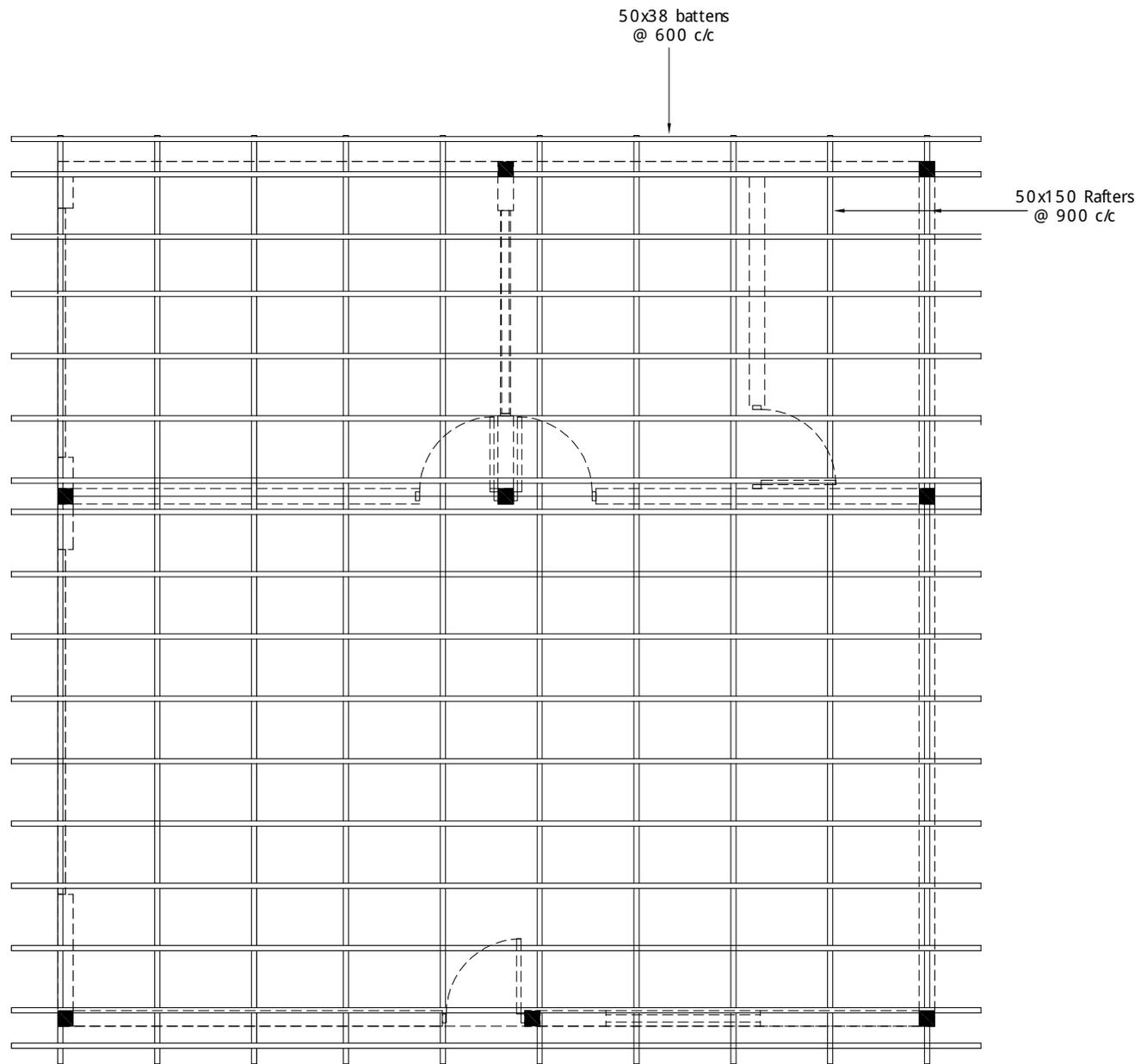




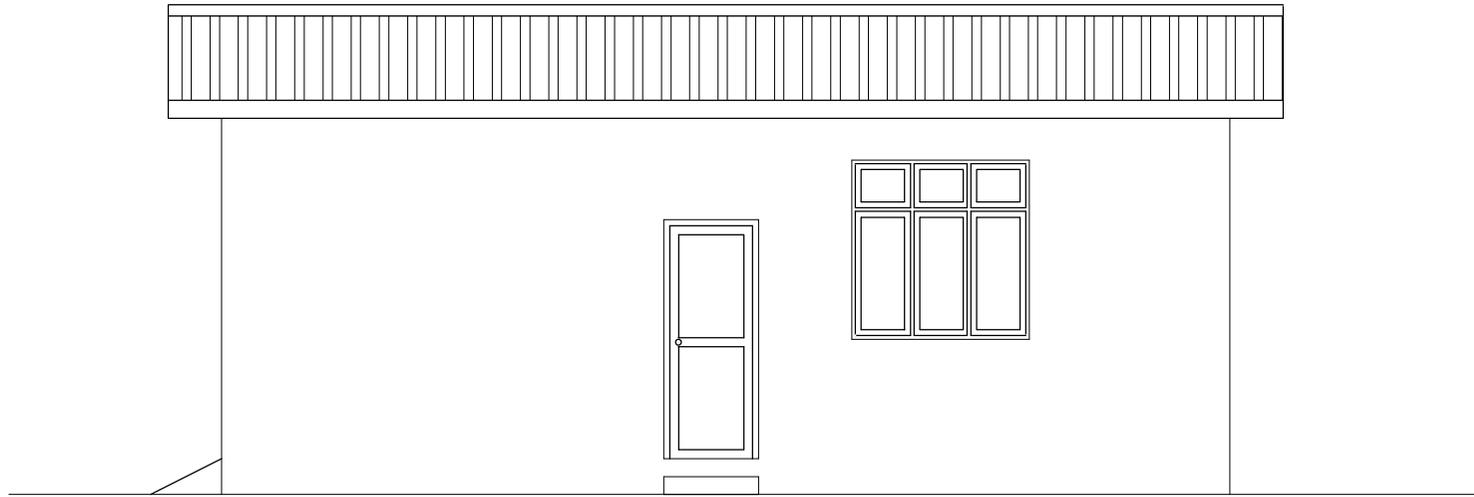
RO PLANT BUILDING
FLOOR PLAN H.DH NOLHIVARAM



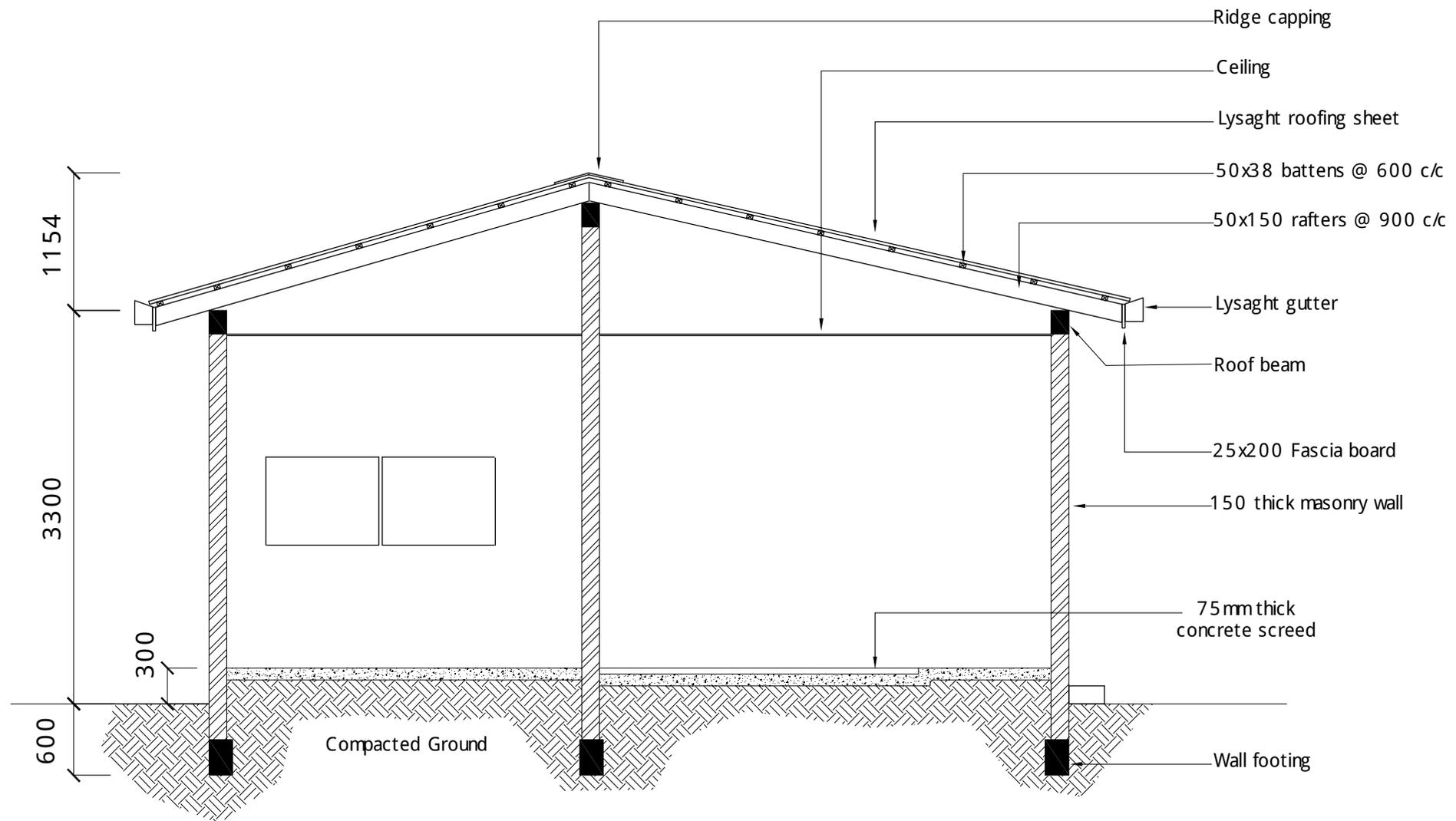
RO PLANT BUILDING
 ROOF PLAN H.DH NOLHIVARAM



RO PLANT BUILDING
ROOF STRUCTURE H.DH NOLHIVARAM

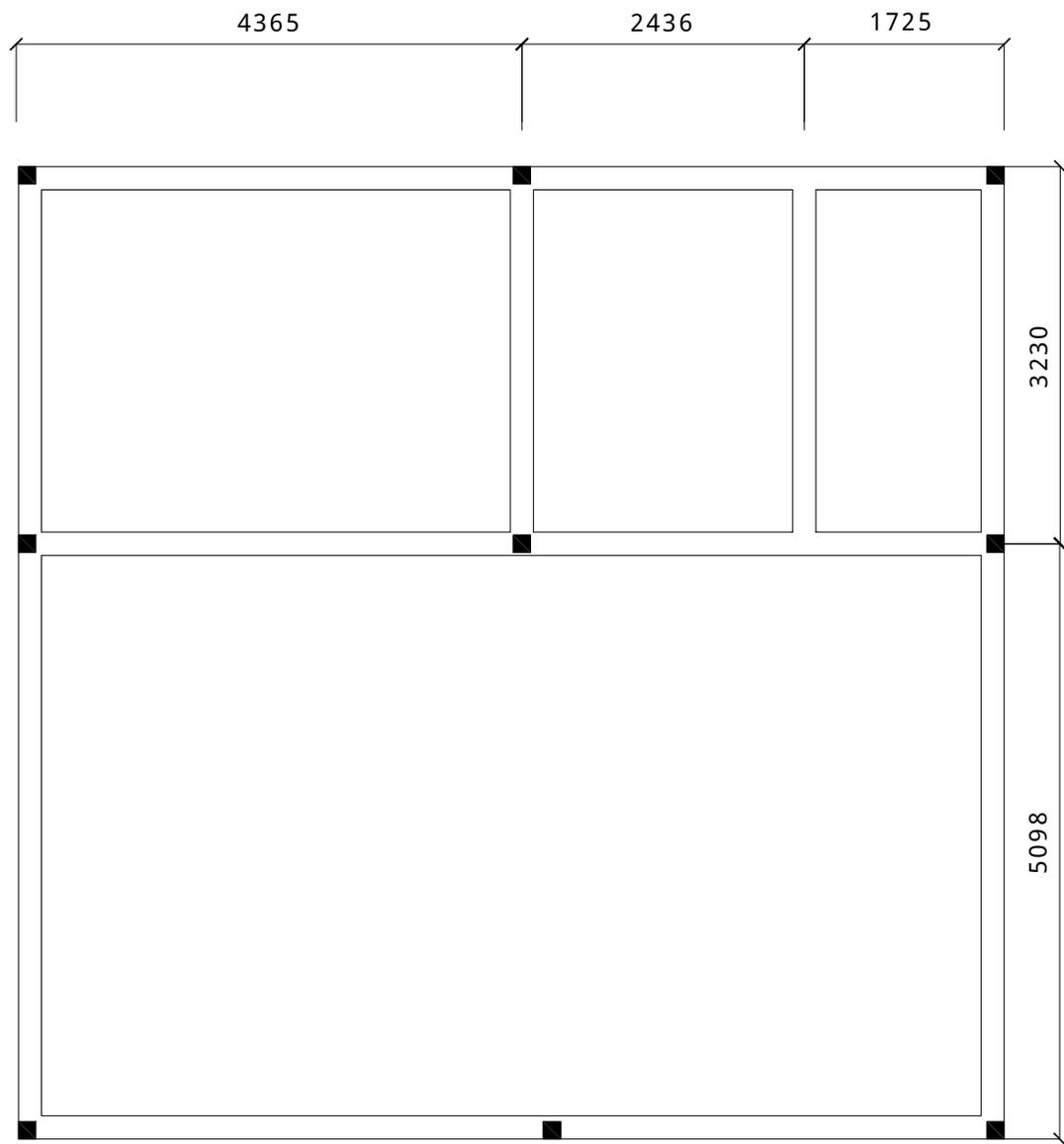


RO PLANT BUILDING
FRONT ELEVATION H.DH NOLHIVARAM

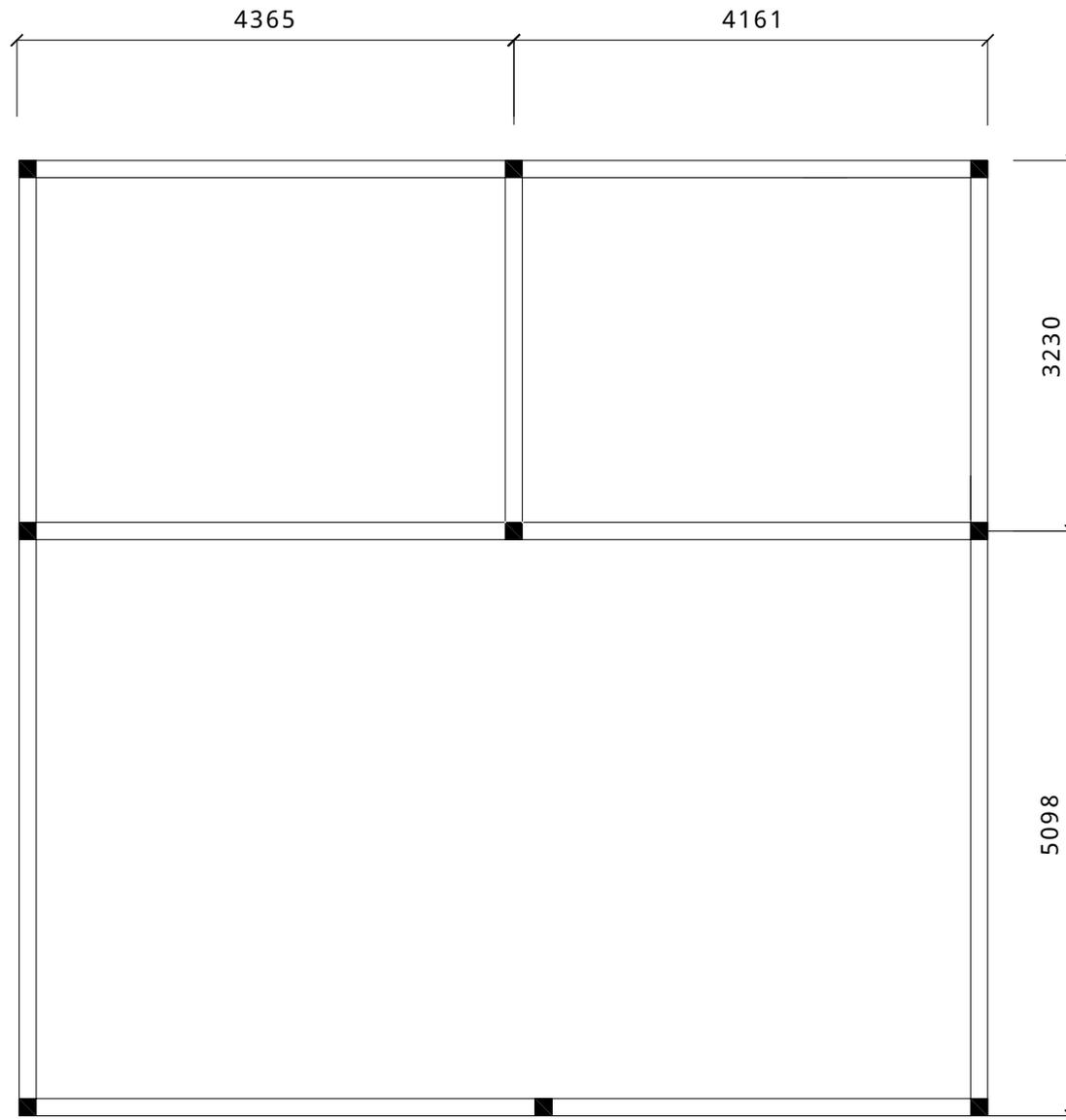


RO PLANT BUILDING
SECTION X-X

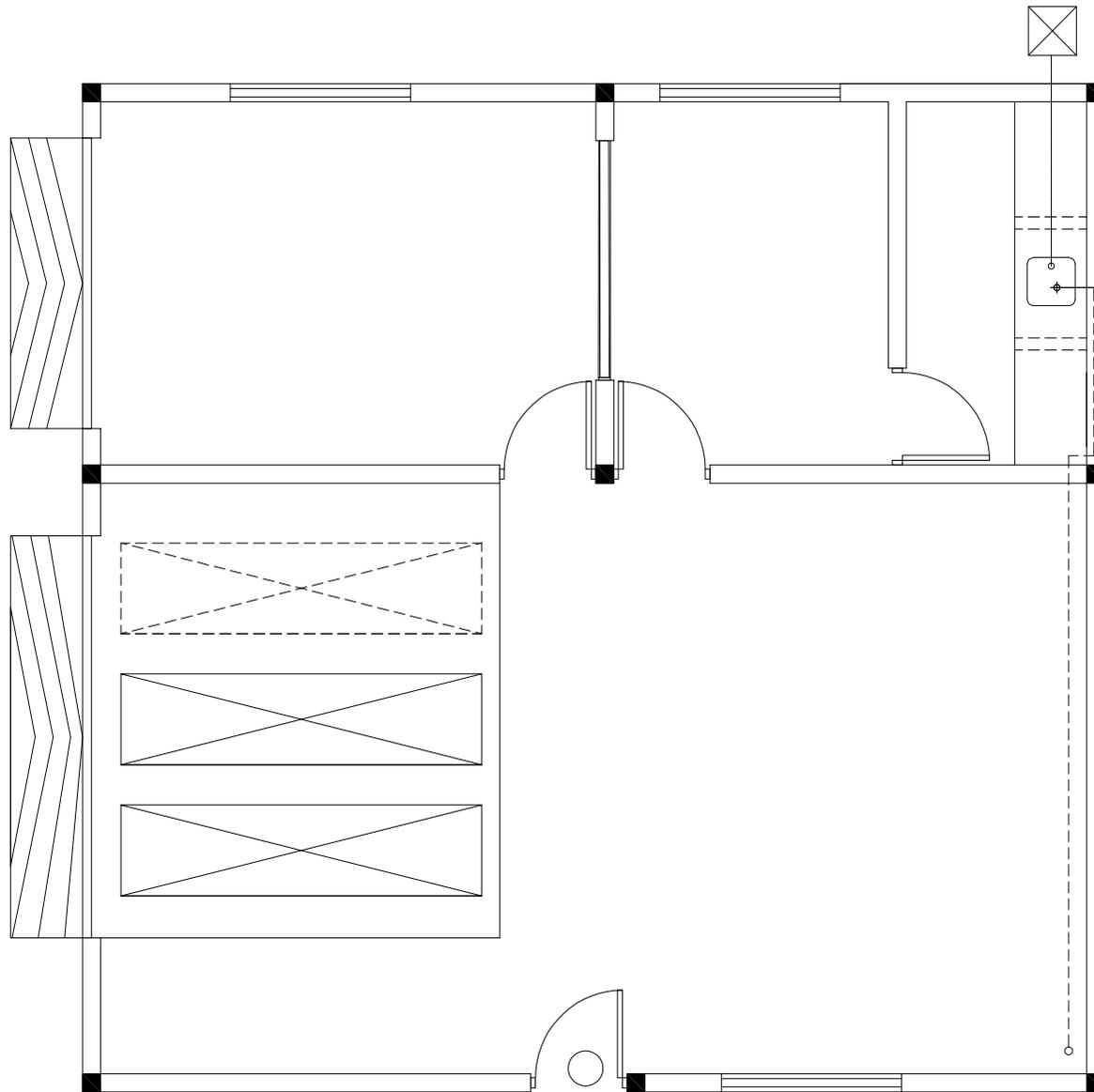
H.DH NOLHIVARAM



RO PLANT BUILDING
 WALL FOOTING PLAN H.DH NOLHIVARAM

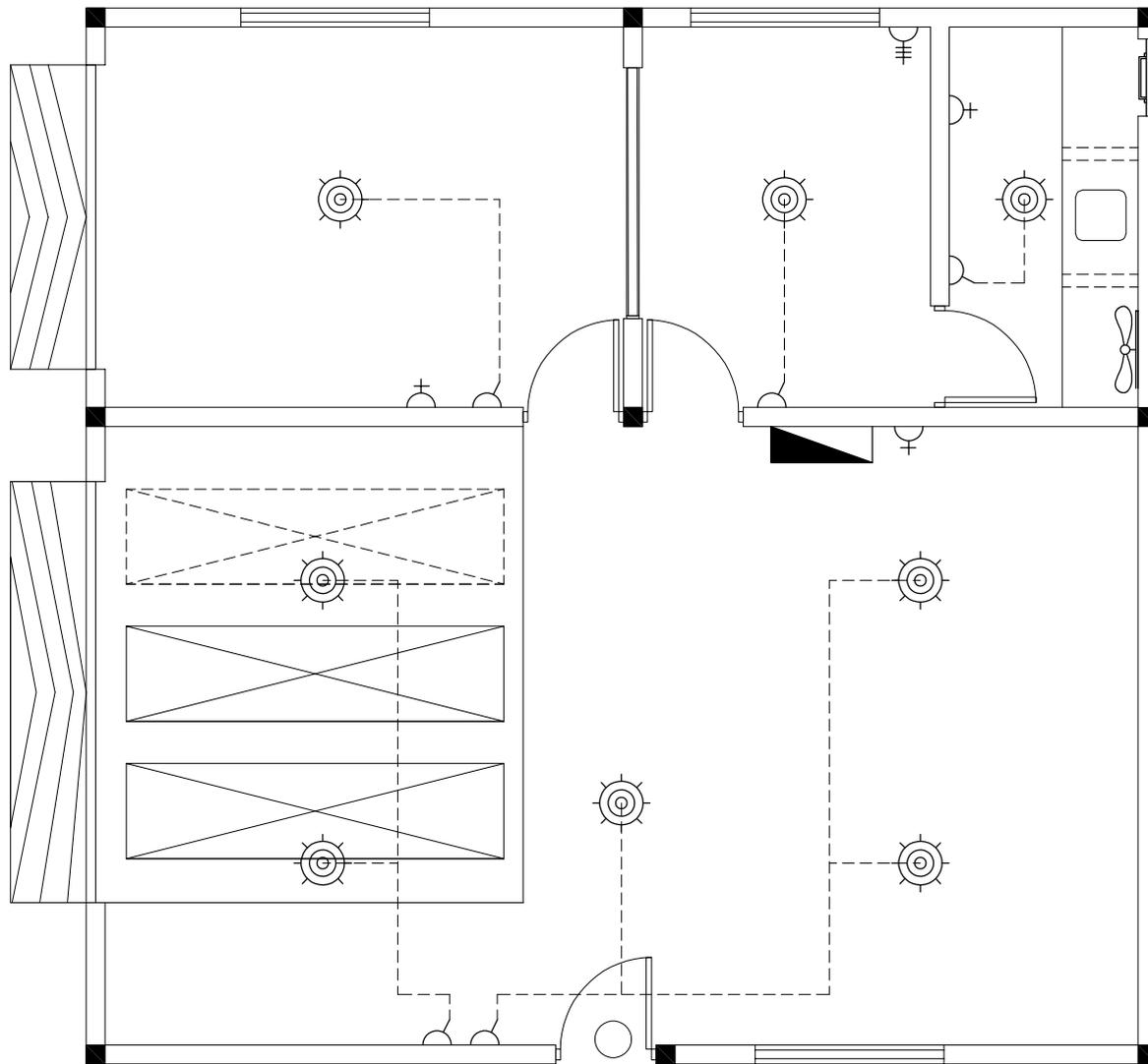


RO PLANT BUILDING
 ROOF BEAM PLAN H.DH NOLHIVARAM



- ⊕ — PVC Sink Tap
- ⊗ — Soak pit
- 25mm PVC Pipe
- 50mm PVC Train Pipe

RO PLANT BUILDING
 PLUMBING LAYOUT H.DH NOLHIVARAM



- 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 H.DH NOLHIVARAM

PROVISION OF WATER SUPPLY SANITATION AND SOLID WASTE MANAGEMENT PROJECT

H.DH VAIKARADHOO 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



HARBOUR KIOSK

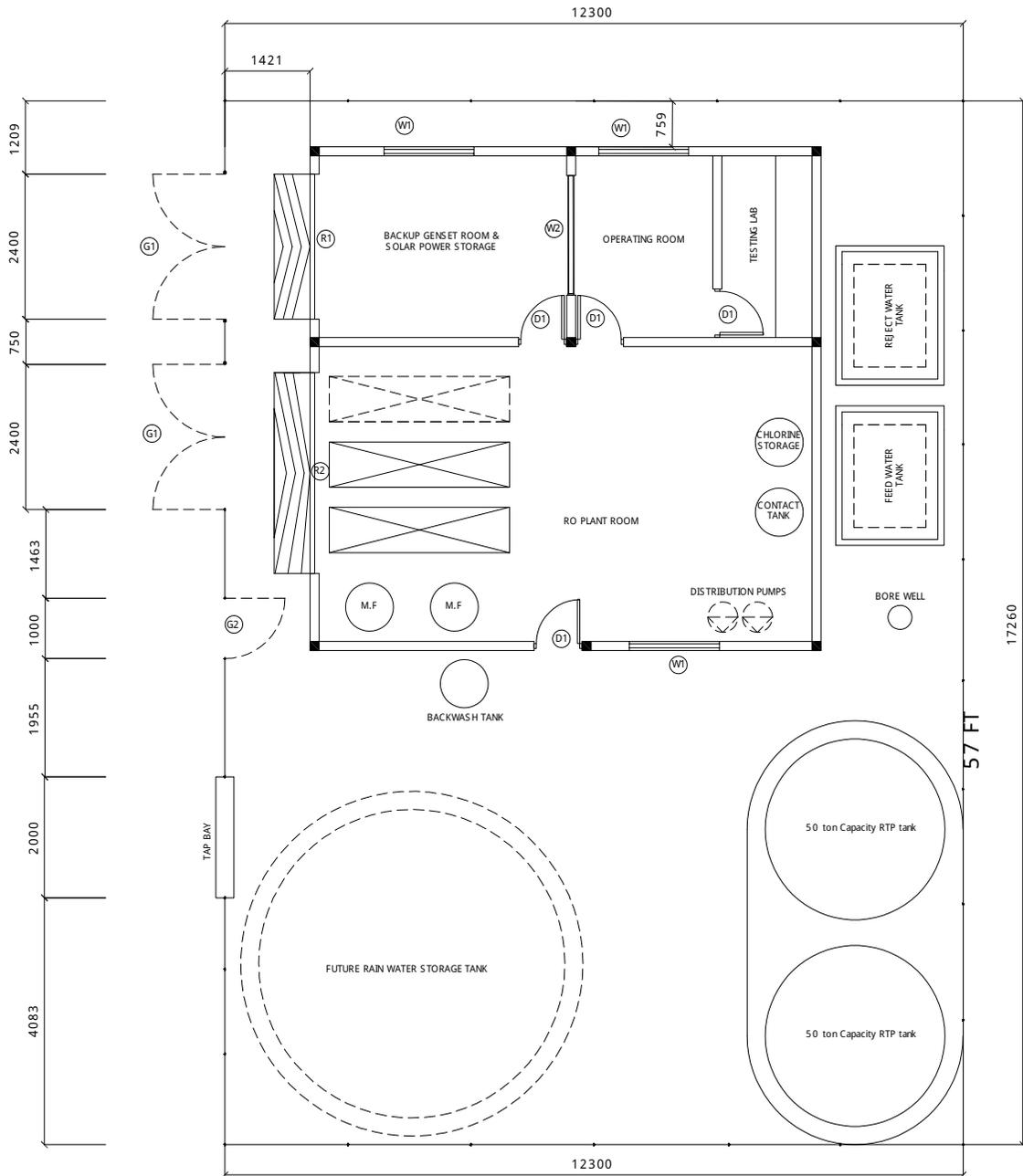
SUPPLY PIPE TO HARBOUR KIOSK

TAP BAY

RO PLANT BUILDING AND STORAGE TANK

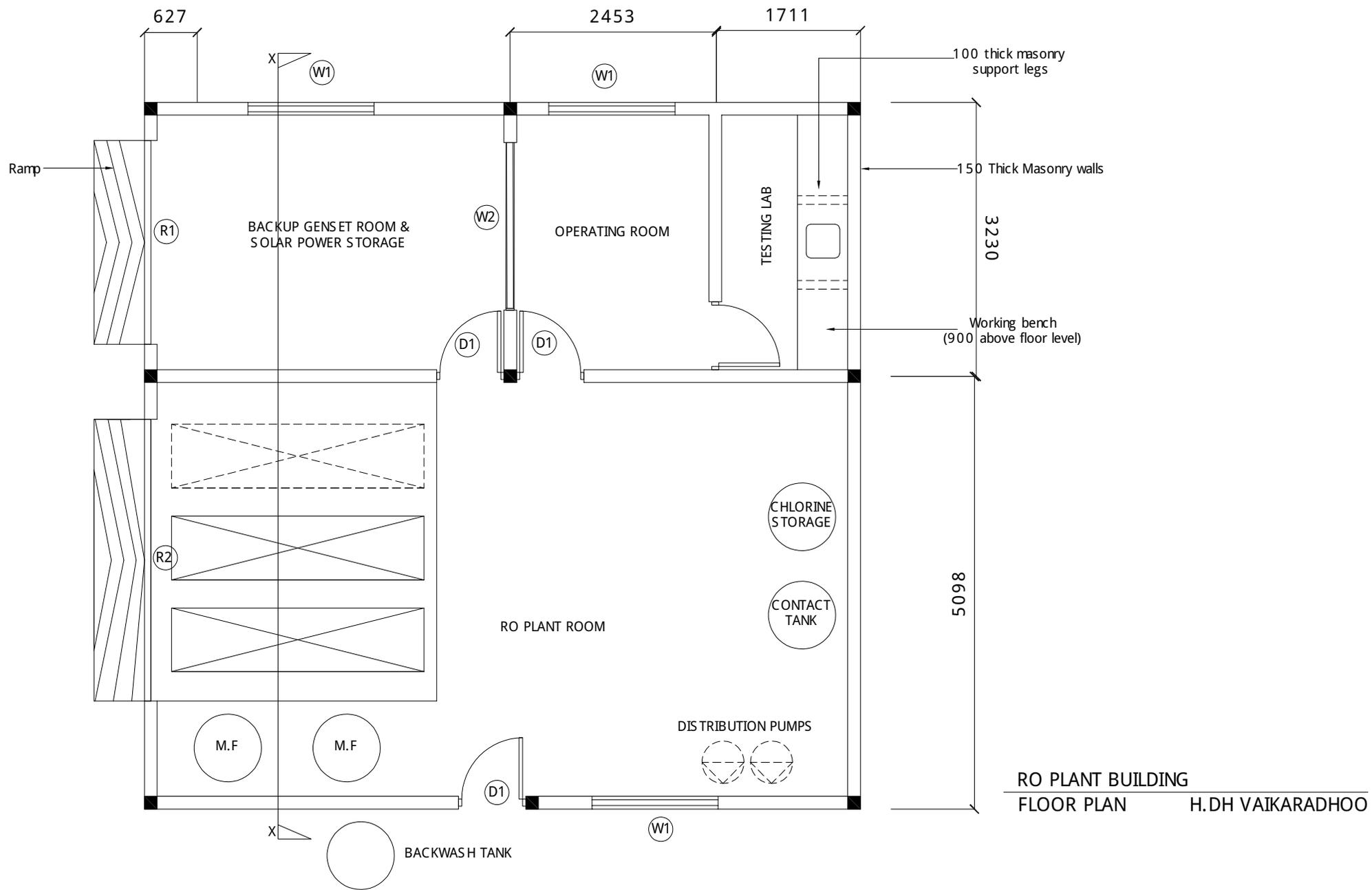
BRINE-OUTFALL PIPE

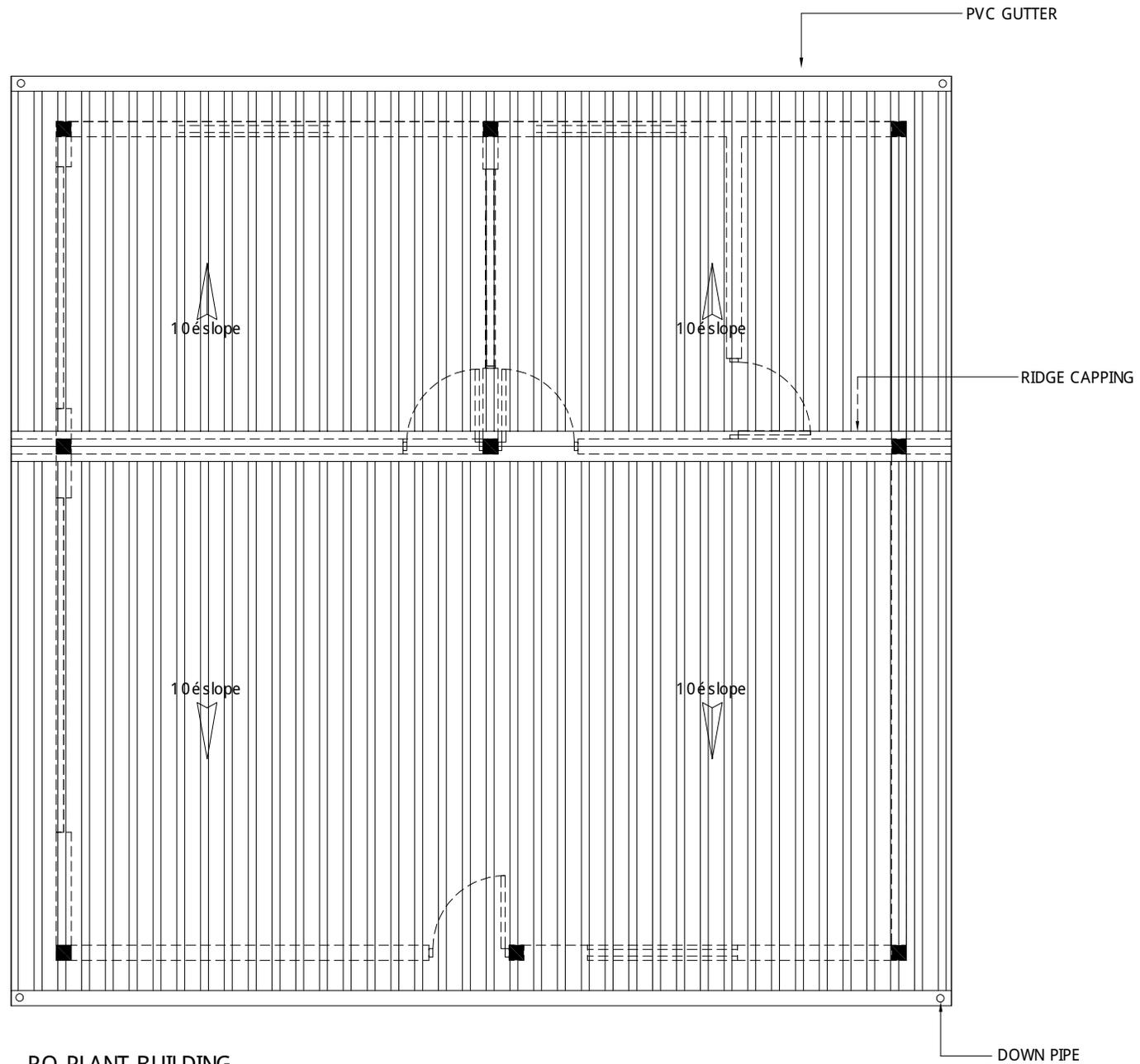
PROPOSED LOCATIONS FOR RO PLANT BUILDING
H.DH VAIKARADHOO



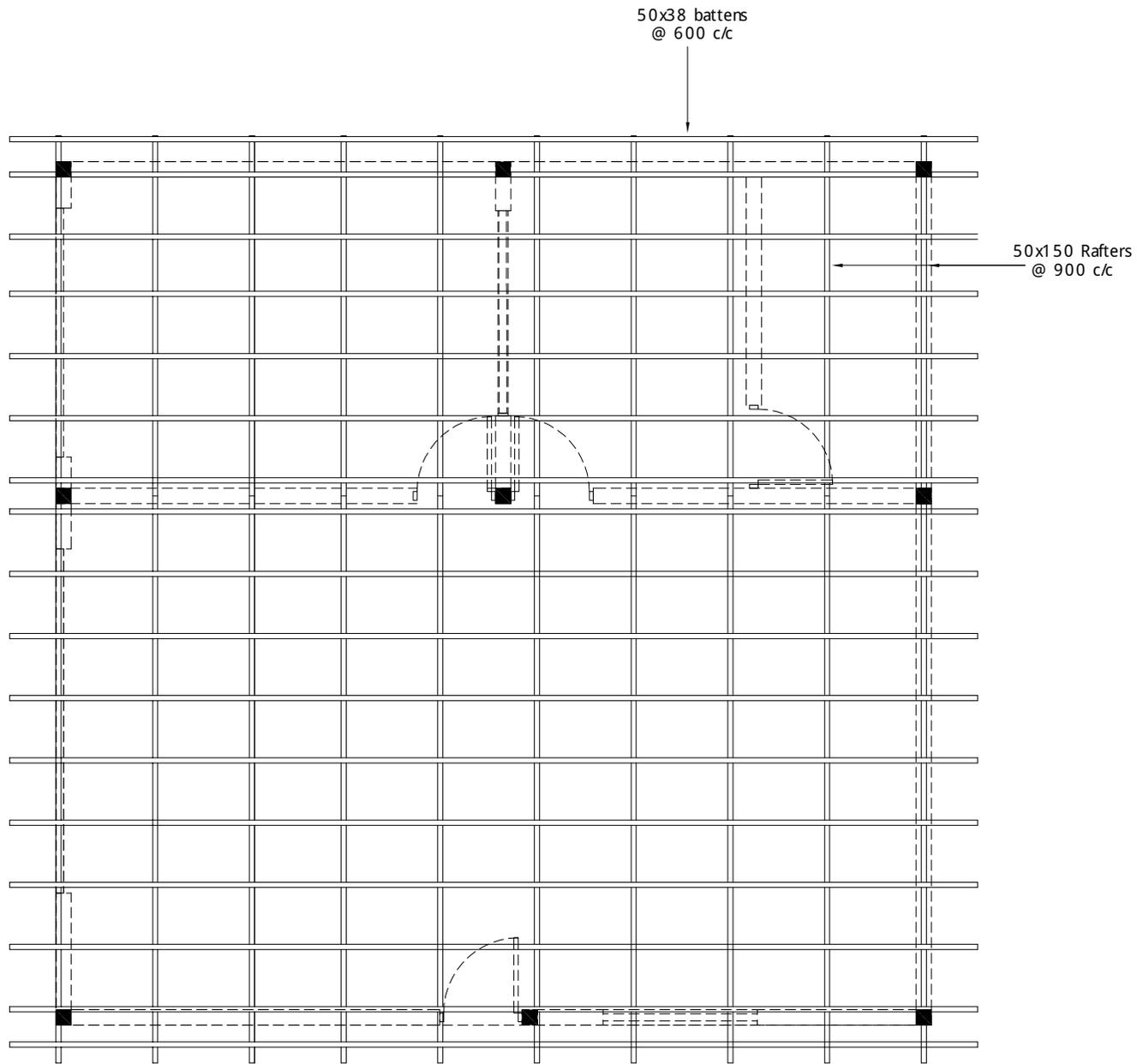
WATER SUPPLY AND STORAGE FACILITY SITE & BUILDING SITE
HAA DHAALU VAIKARADHOO





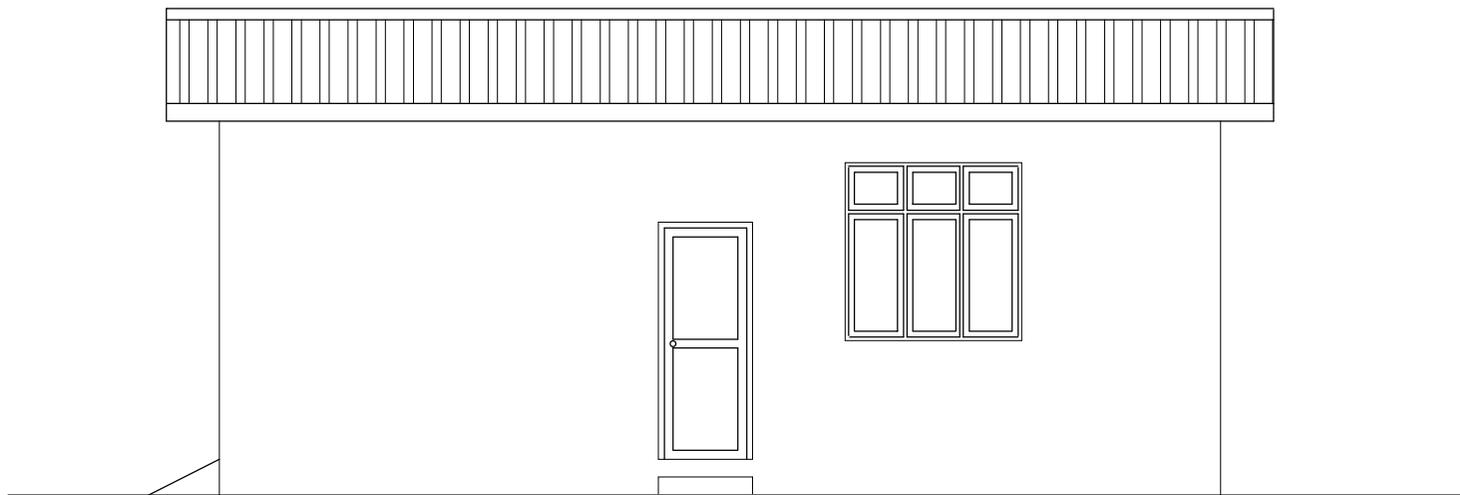


RO PLANT BUILDING
 ROOF PLAN H.DH VAIKARADHOO

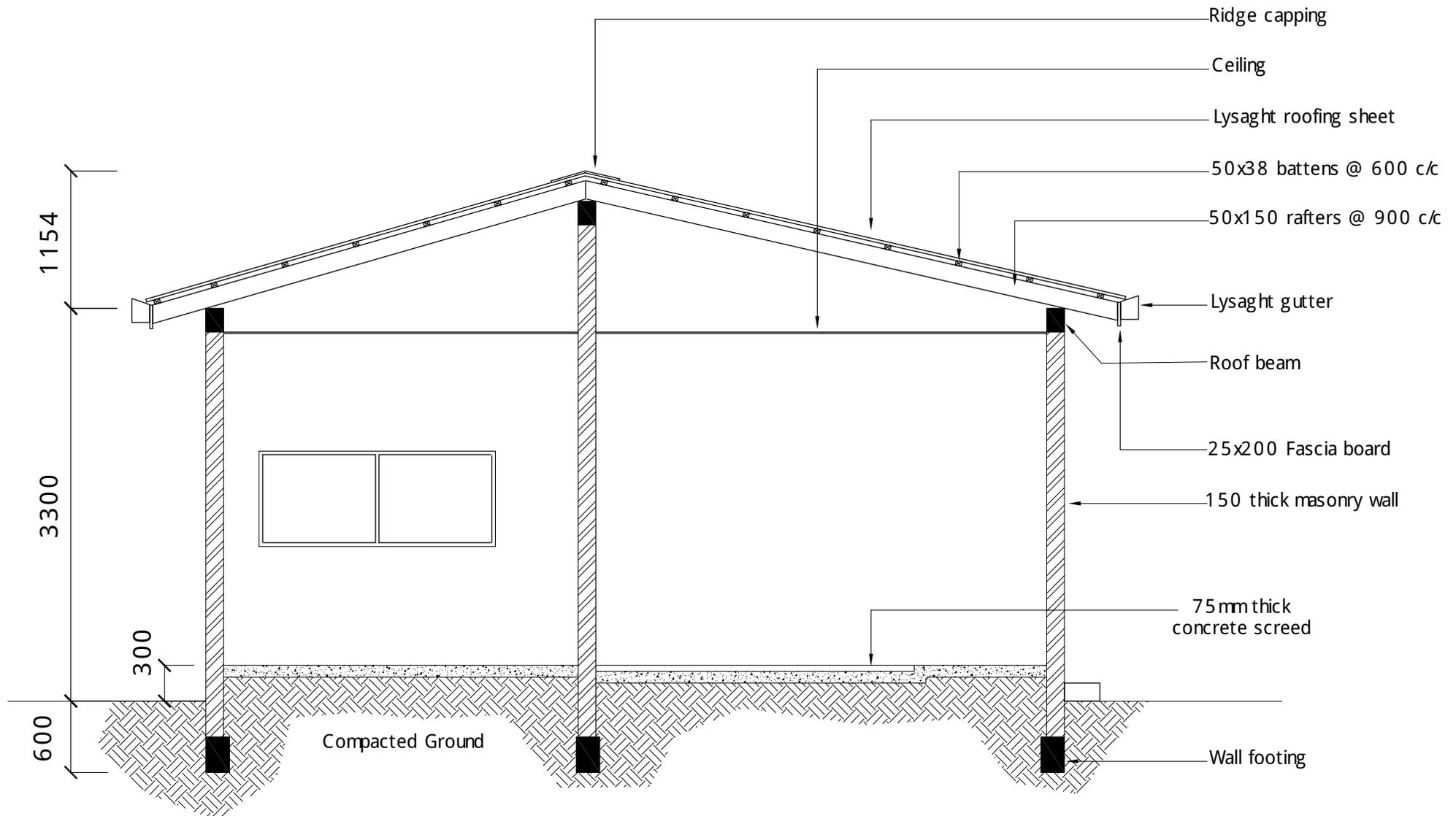


RO PLANT BUILDING
ROOF STRUCTURE

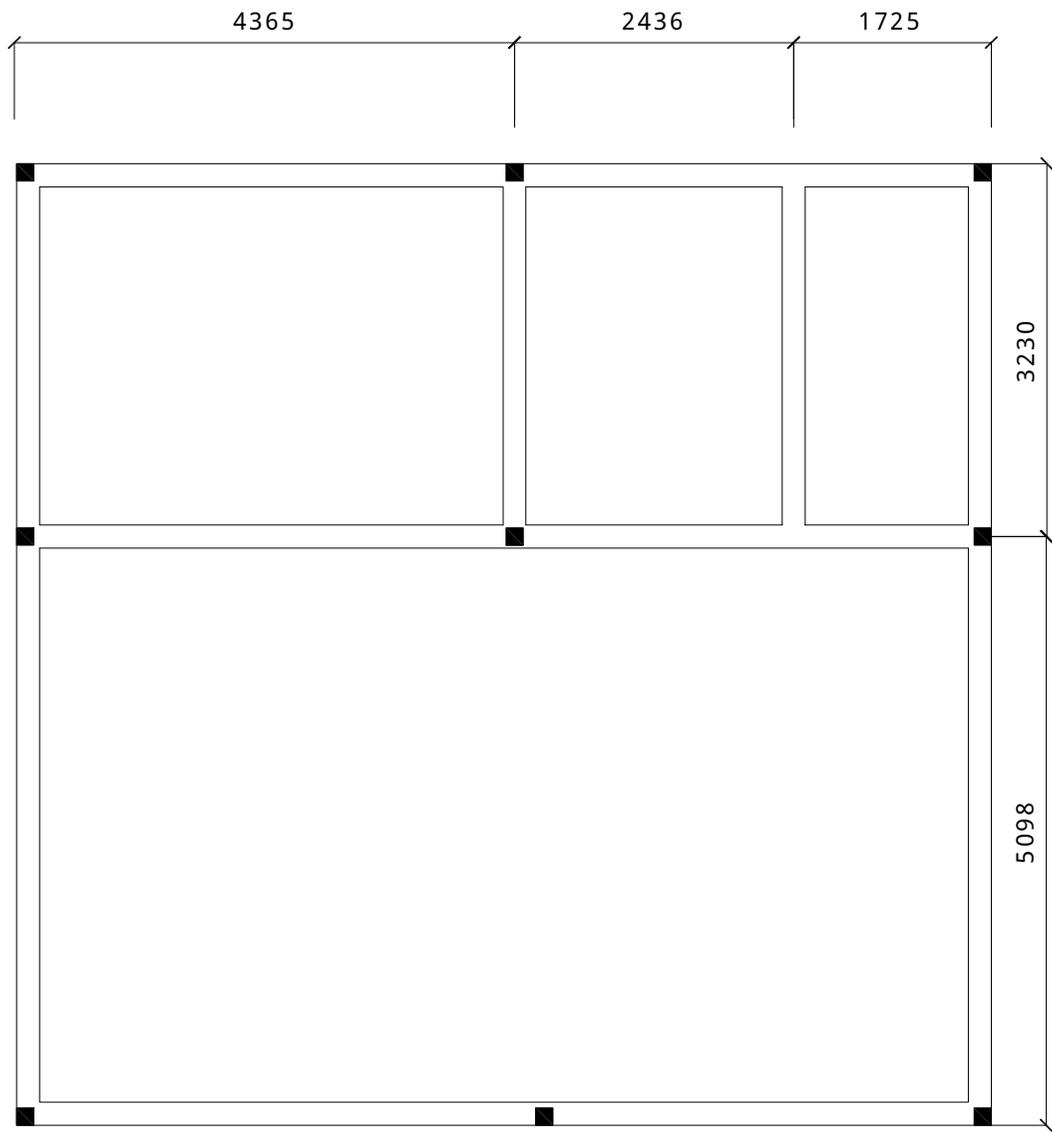
H.DH VAIKARADHOO



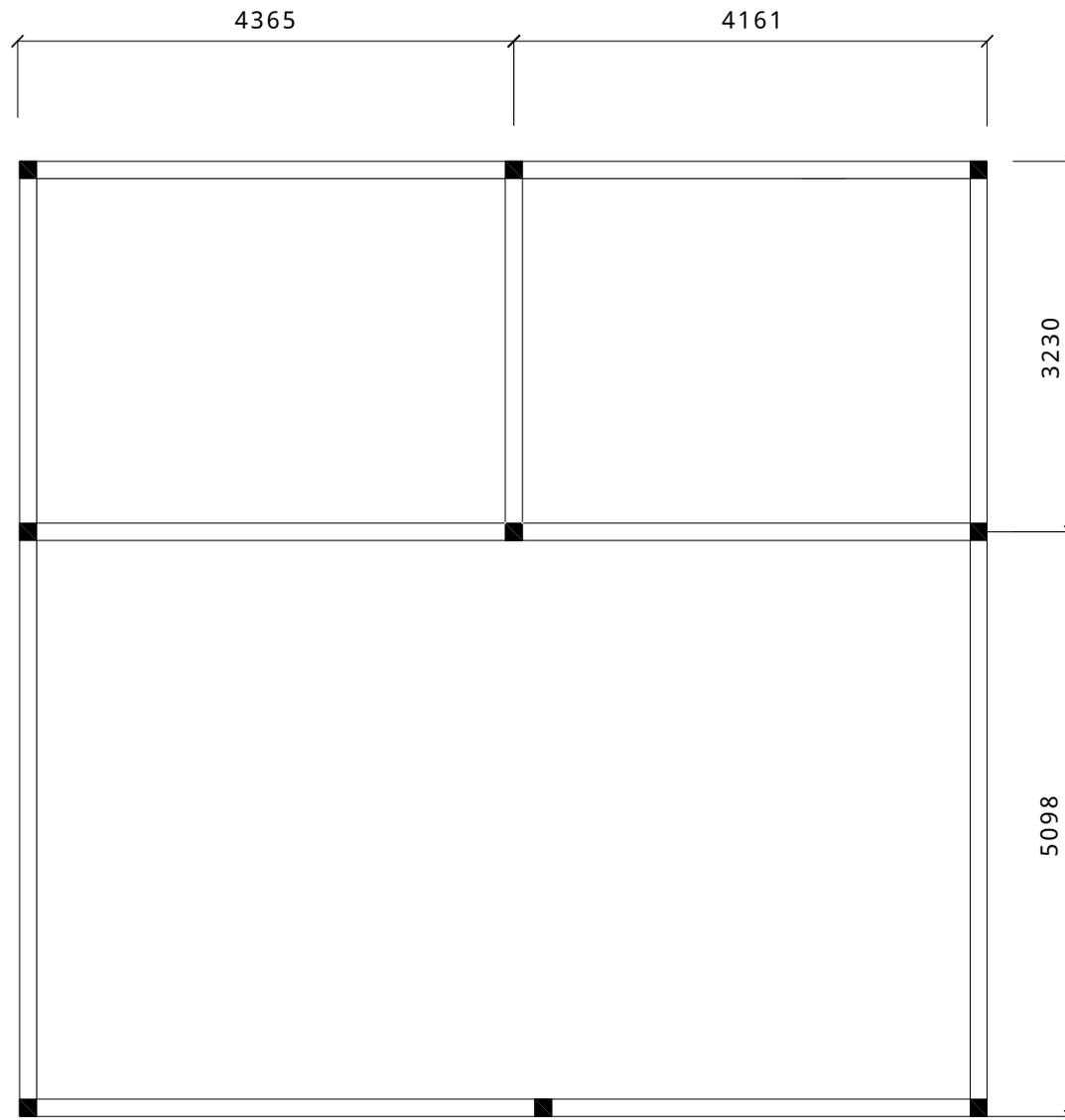
RO PLANT BUILDING
FRONT ELEVATION H.DH VAIKARADHOO



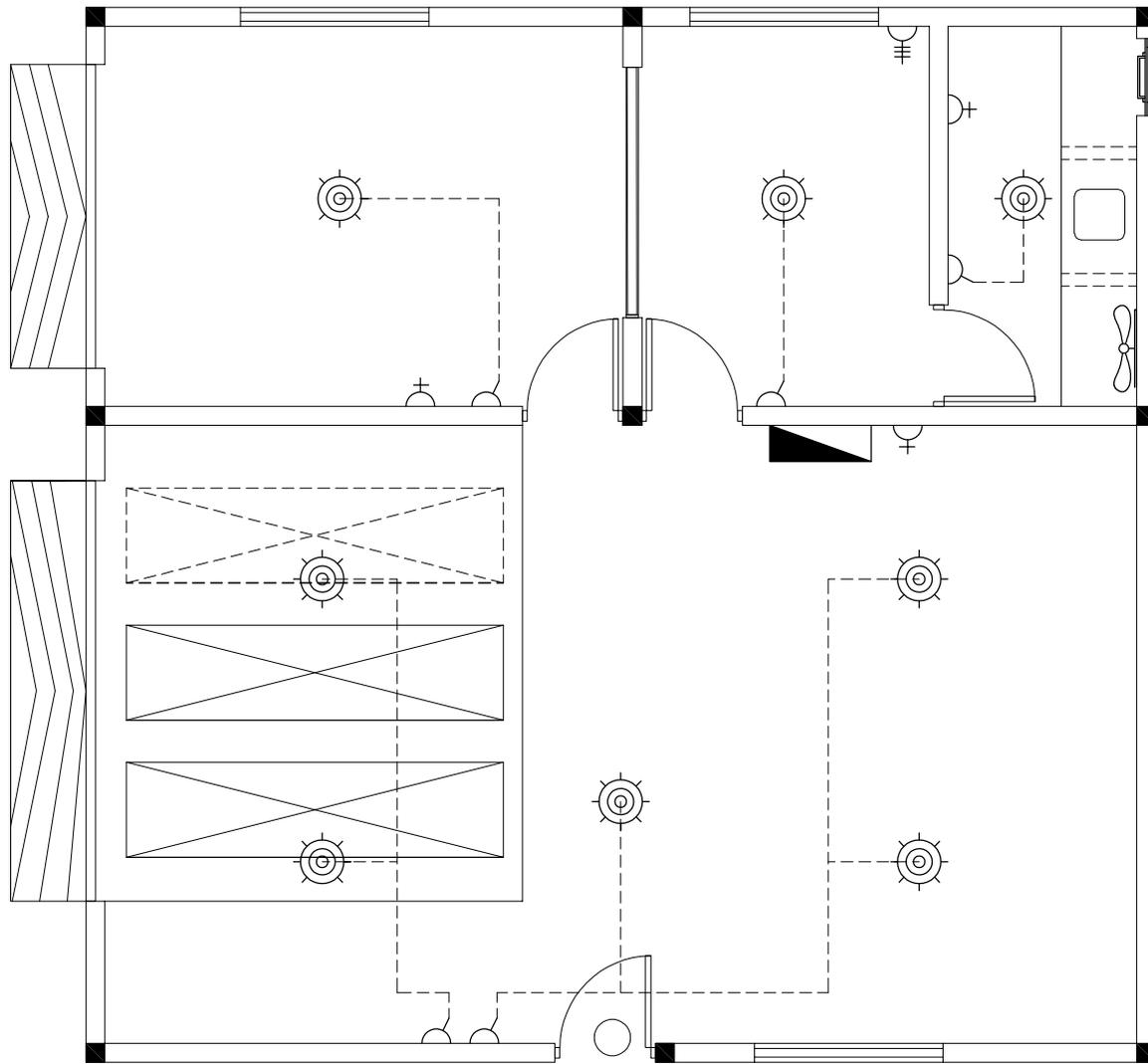
RO PLANT BUILDING
SECTION X-X H.DH VAIKARADHOO



RO PLANT BUILDING
 WALL FOOTING PLAN H.DH VAIKARADHOO

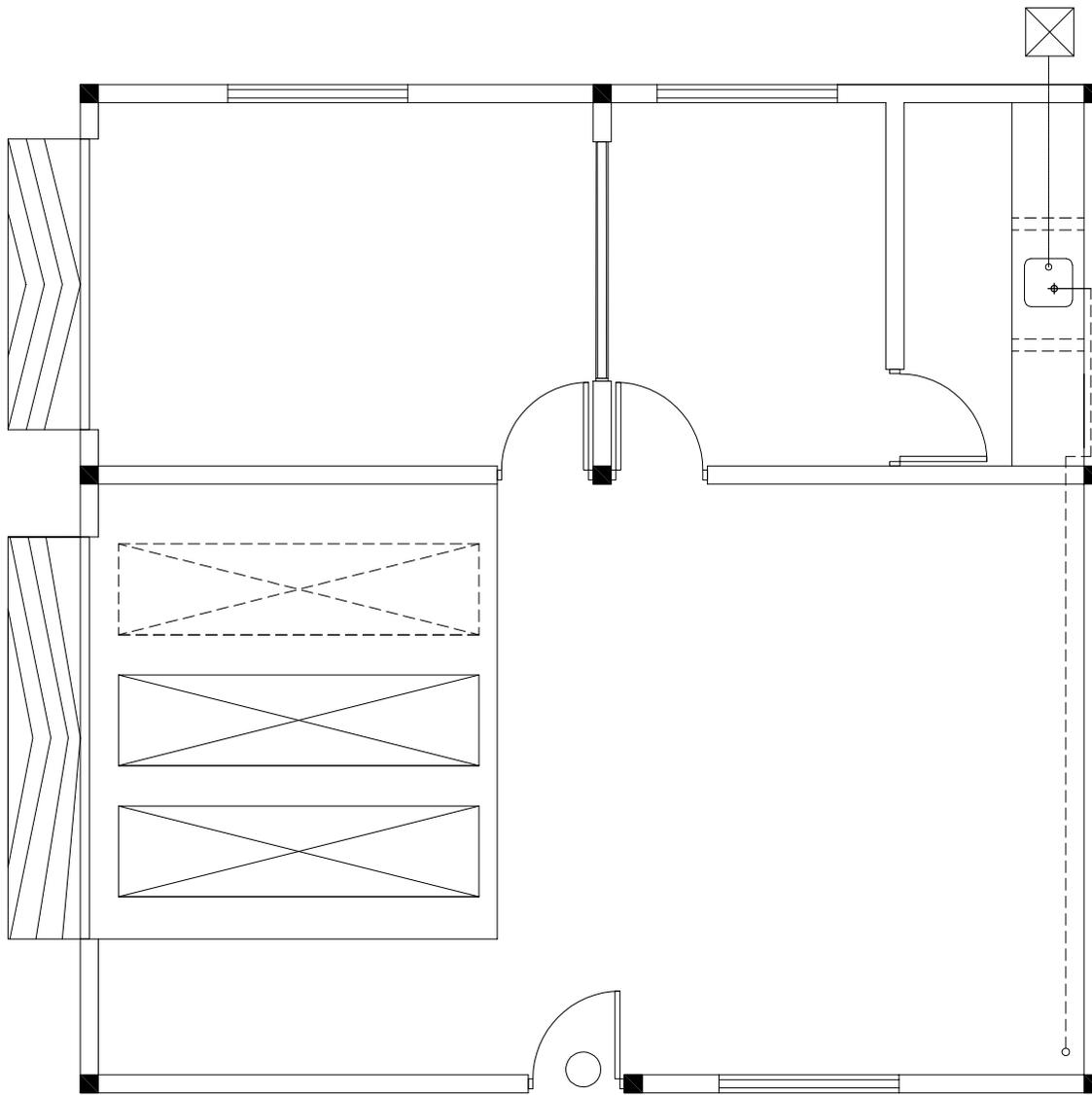


RO PLANT BUILDING
 ROOF BEAM PLAN H.DH VAIKARADHOO



- 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 H.DH VAIKARADHOO



- ⊕ PVC Sink Tap
- ⊗ Soak pit
- 25mm PVC Pipe
- 50mm PVC Train Pipe

RO PLANT BUILDING
 PLUMBING LAYOUT H.DH VAIKARADHOO

COMMON DRAWINGS

PROVISION OF WATER SUPPLY SANITATION AND SOLID
WASTE MANAGEMENT PROJECT

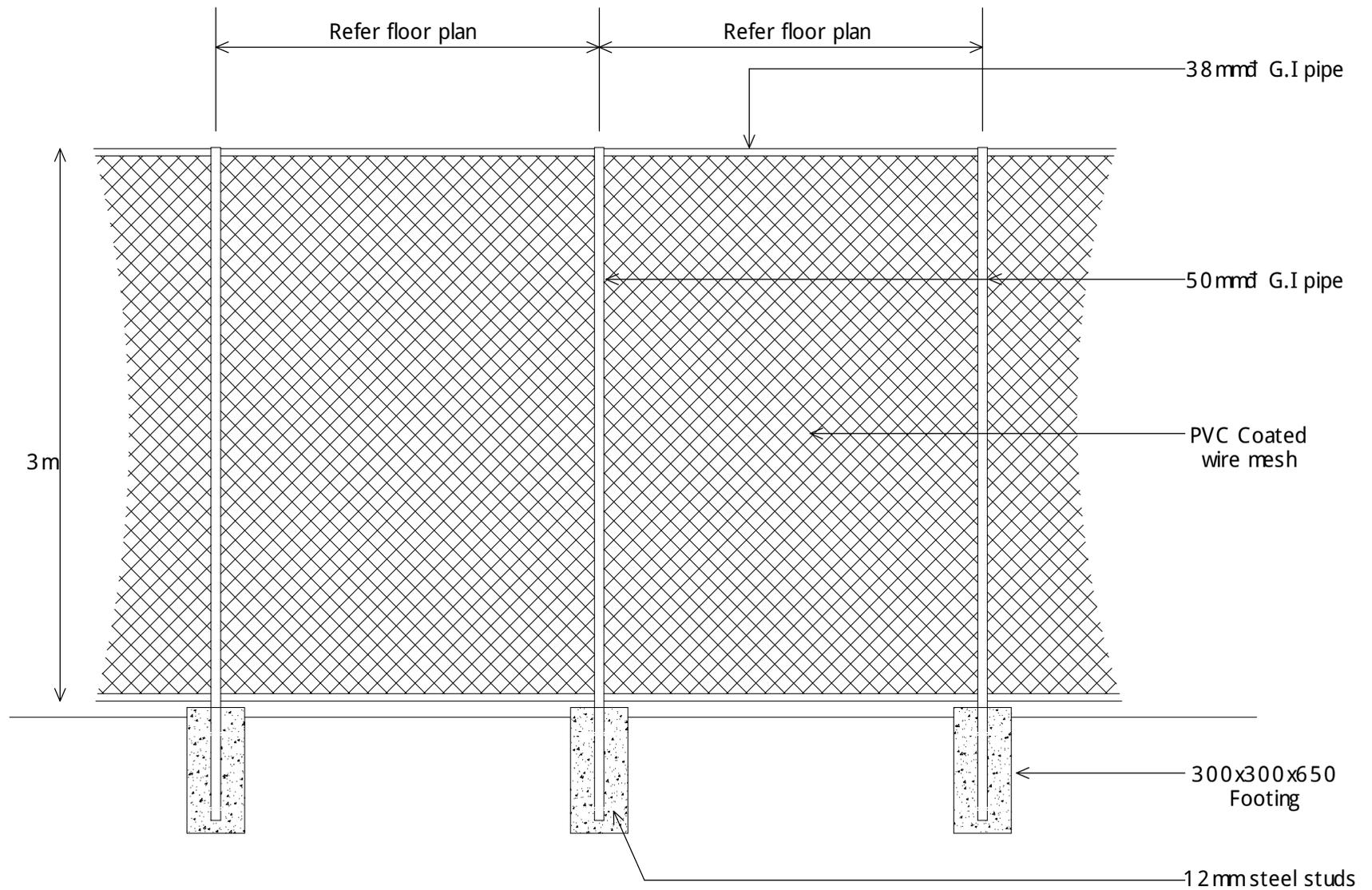
OPEC FUND FOR INTERNATIONAL DEVELOPMENT

PROJECT:
14 ISLAND WATER SUPPLY PROJECT

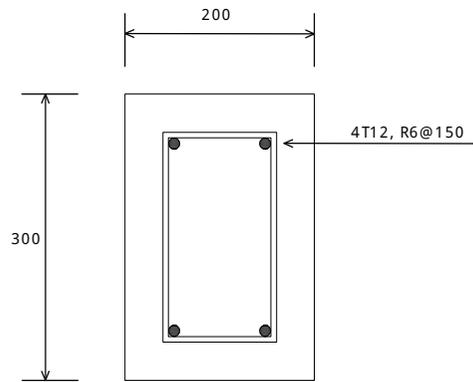
SCALE: AS SHOWN

DATE: MAR 2017

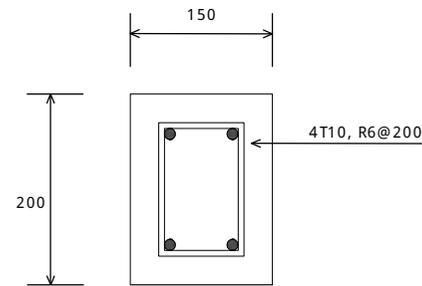




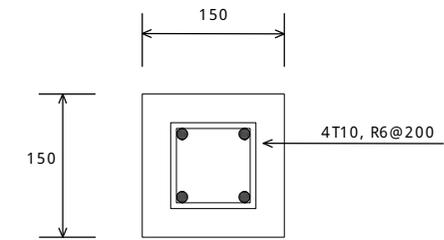
**RO PLANT SITE
PERIMETER FENCE**



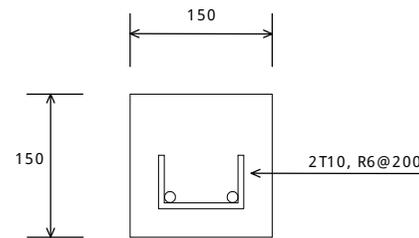
WALL FOOTING



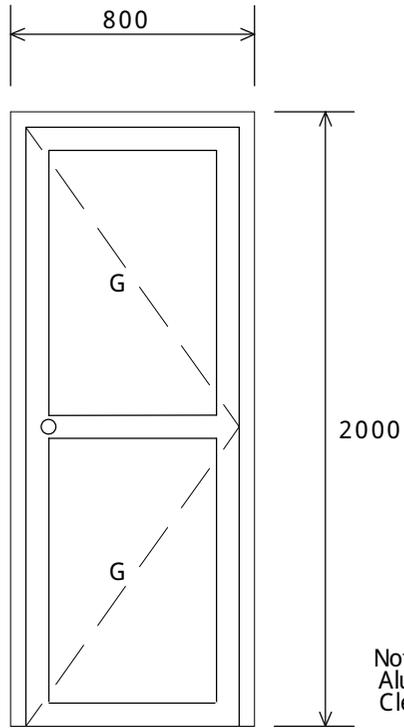
ROOF BEAM



STIFFENER COLUMN

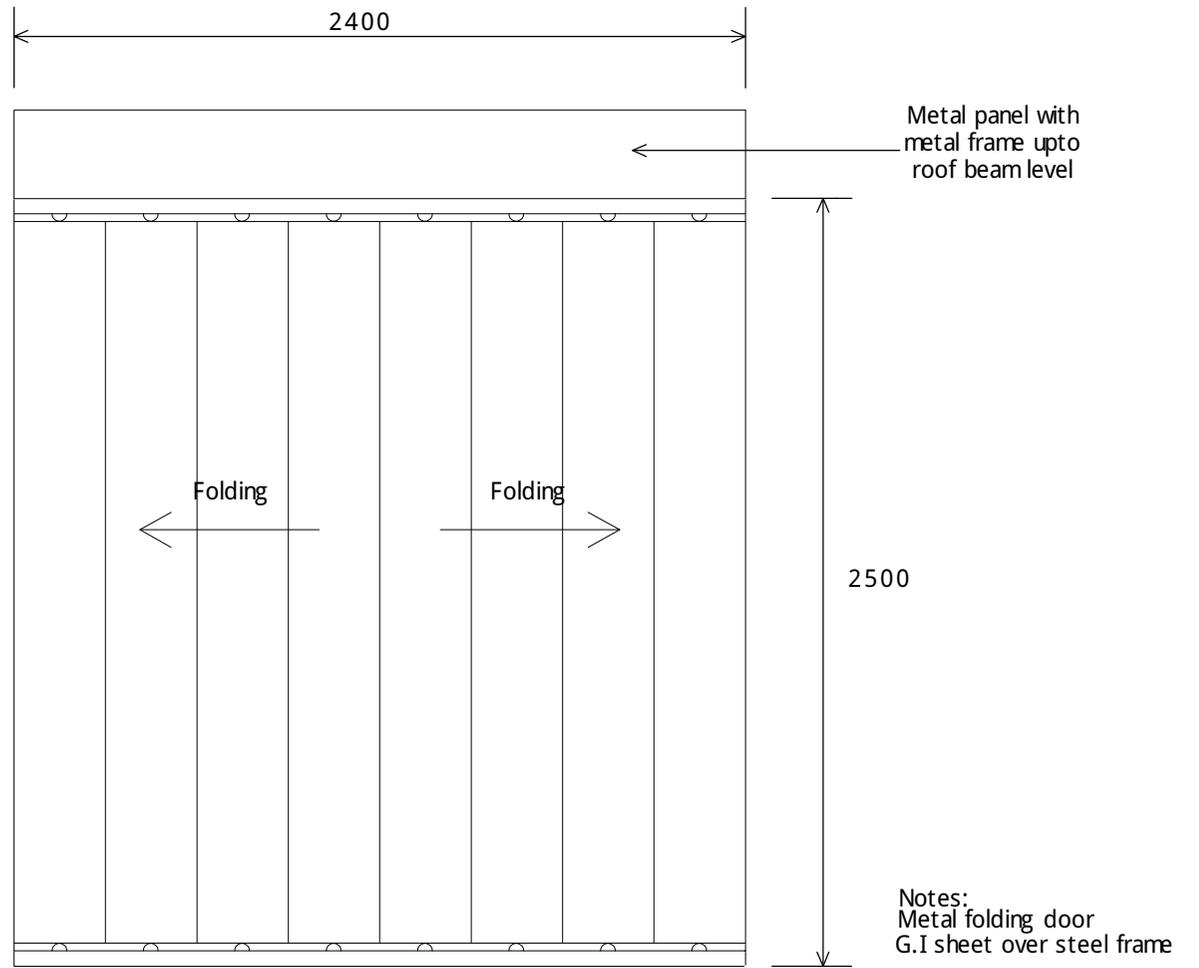


LINTEL BEAM



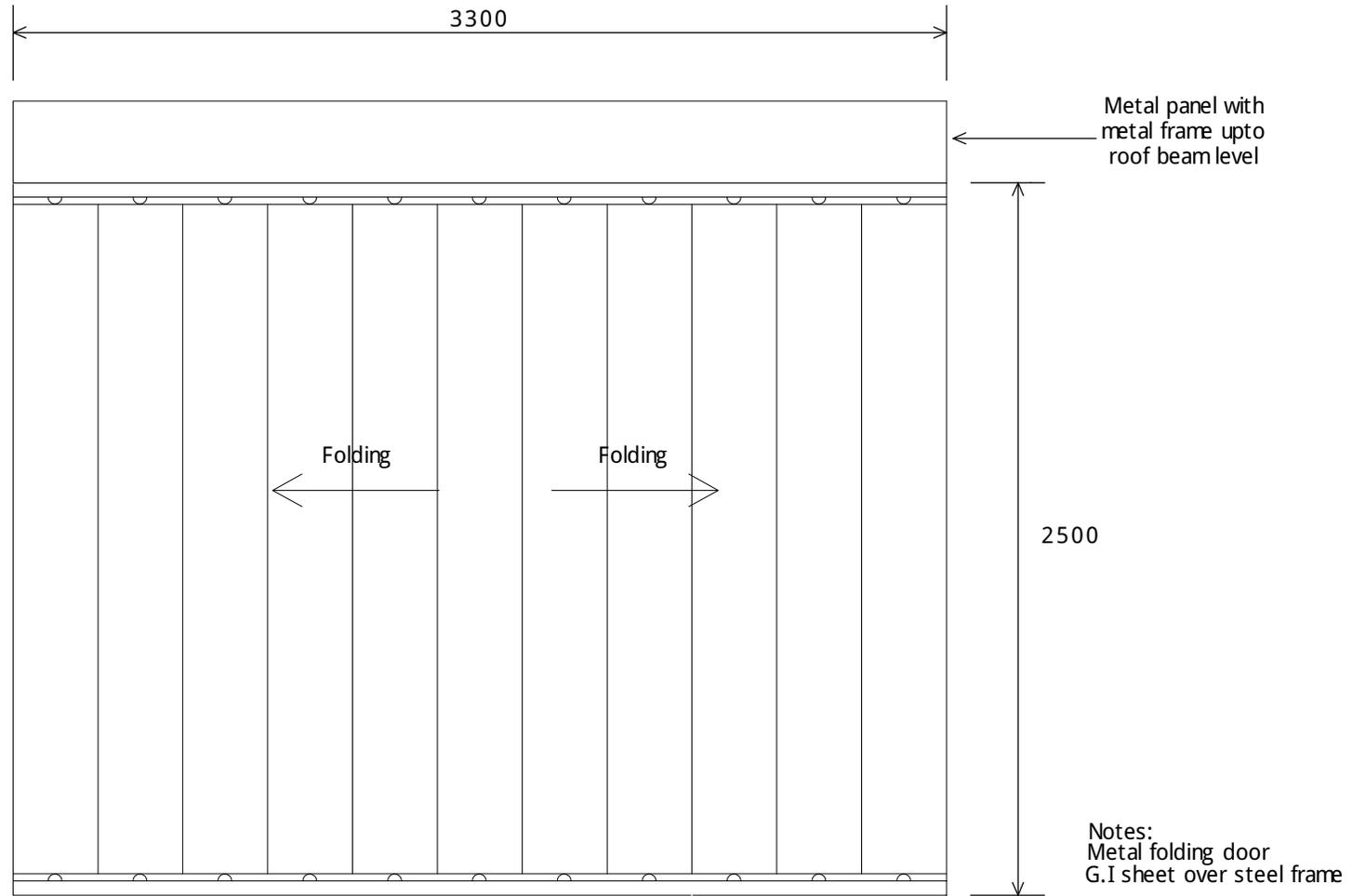
DOOR D1

Notes:
Aluminum Door & Door frame
Clear glass panel

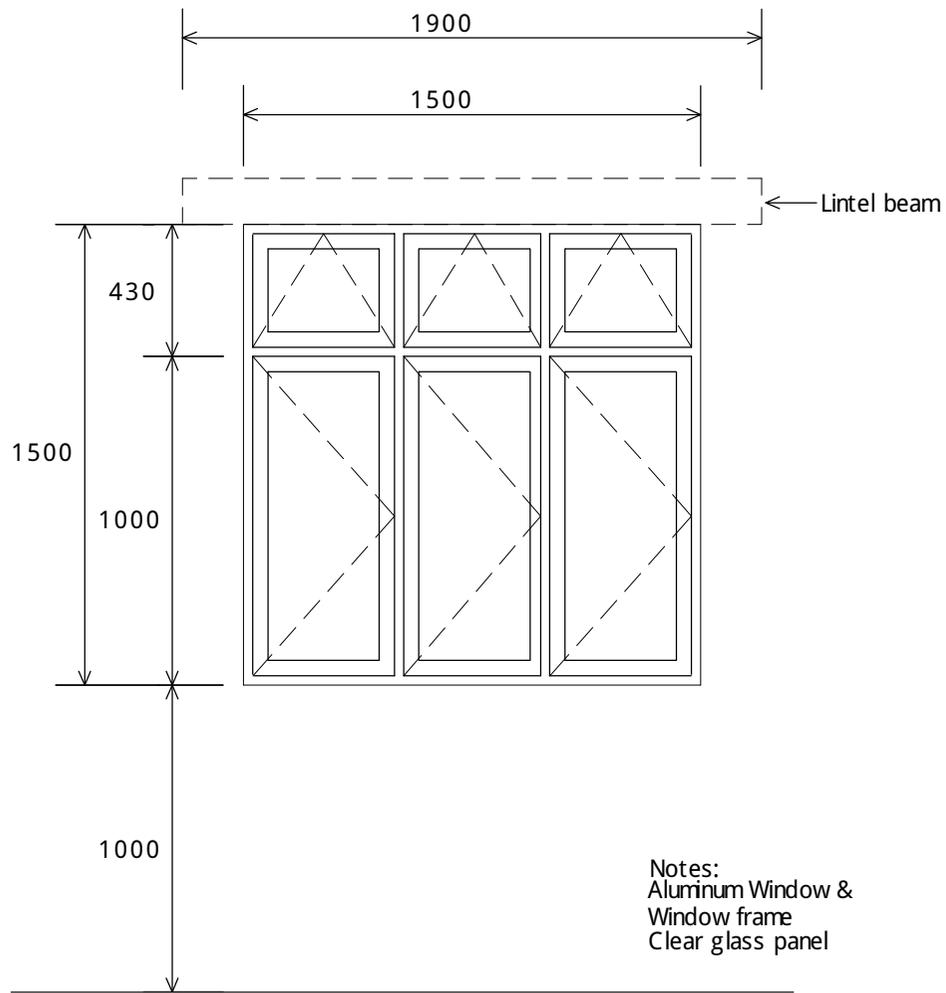


DOOR R1

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

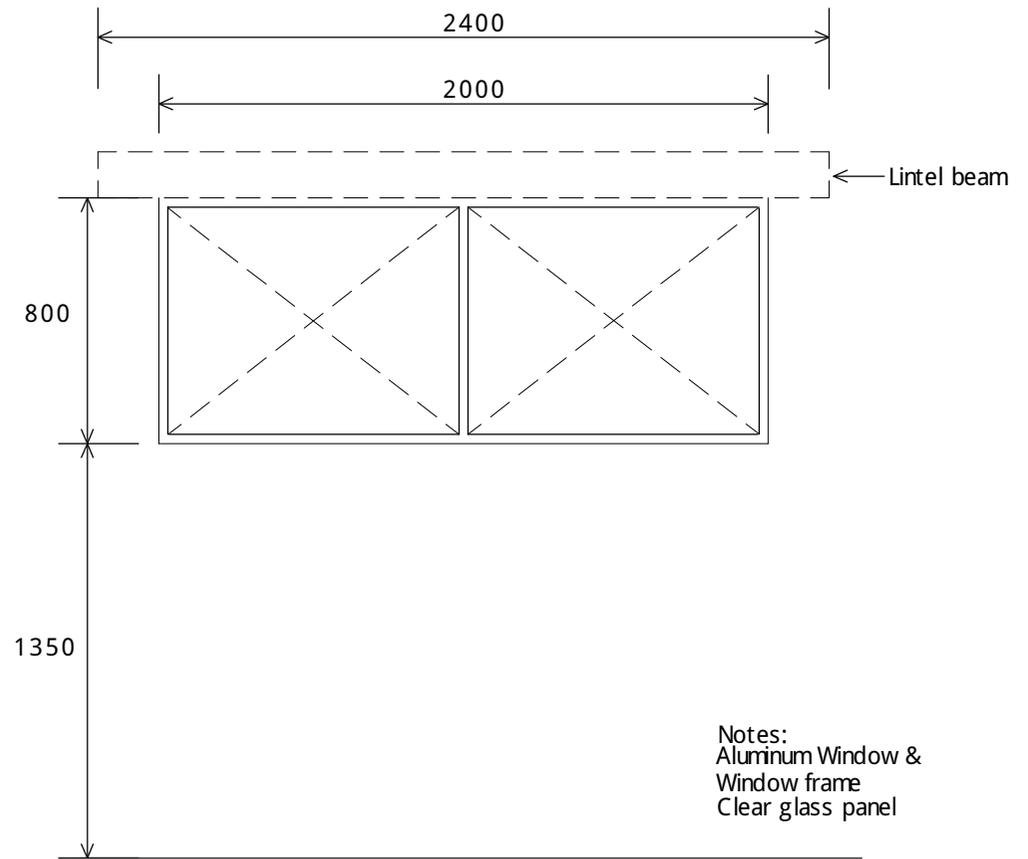


DOOR R2



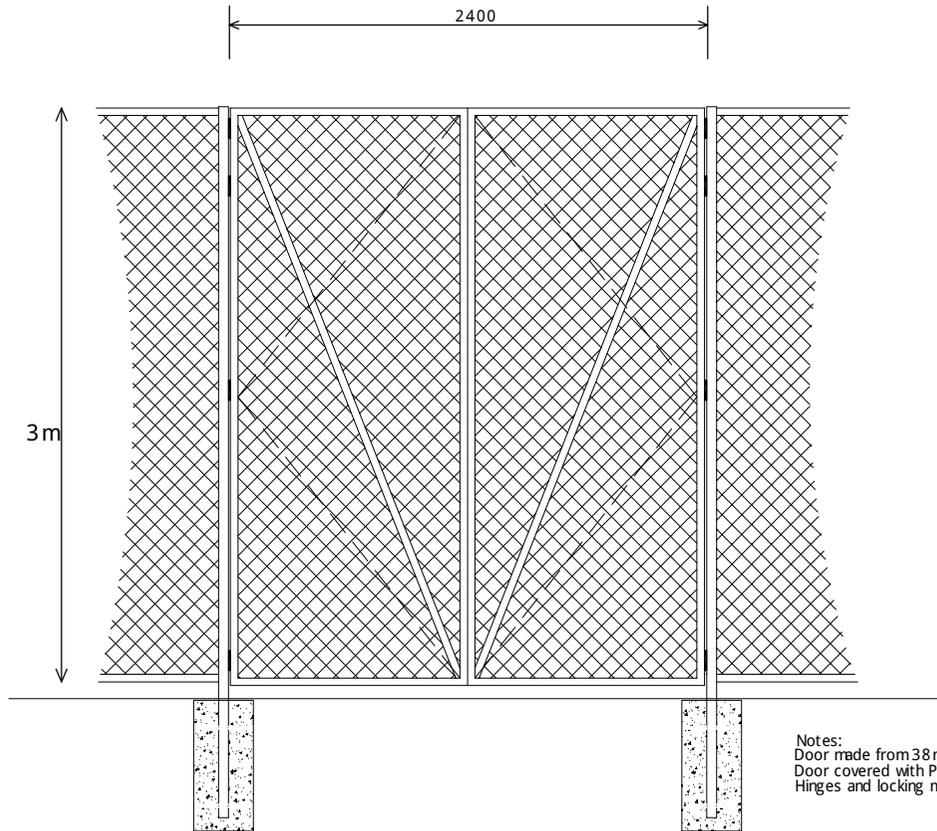
Notes:
Aluminum Window &
Window frame
Clear glass panel

WINDOW W1



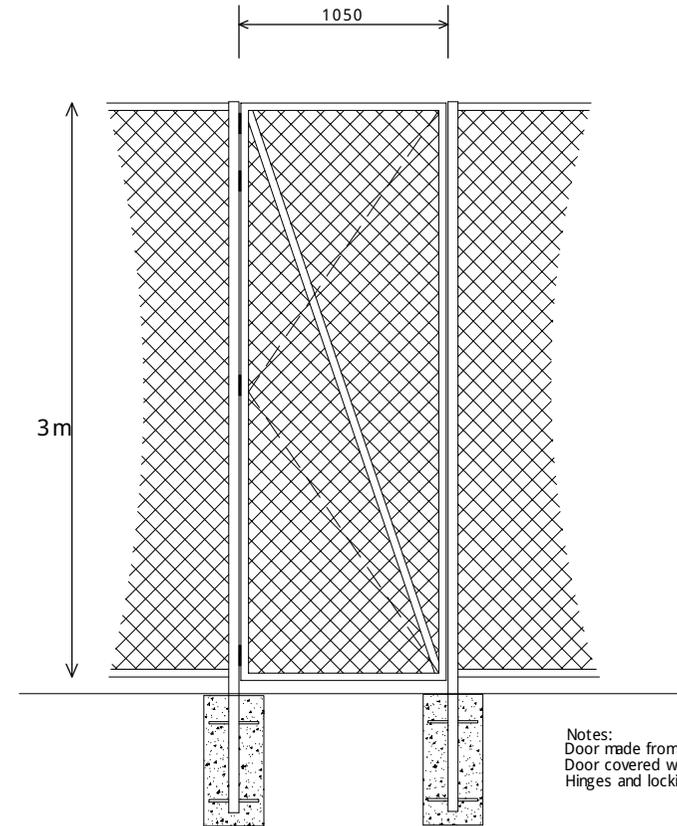
Notes:
Aluminum Window &
Window frame
Clear glass panel

WINDOW W2



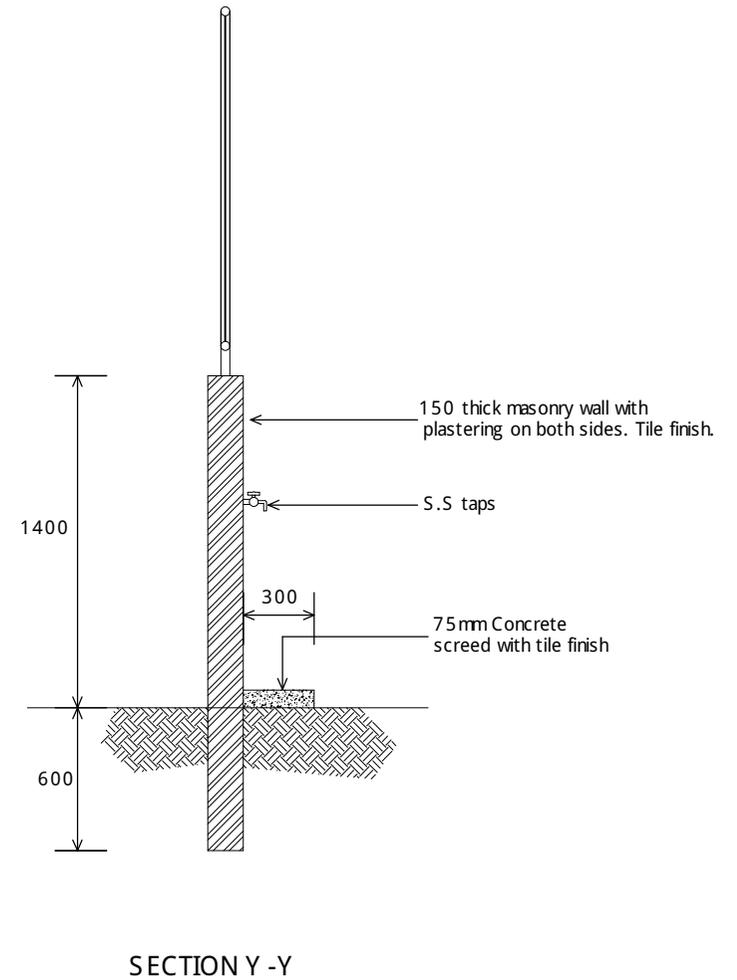
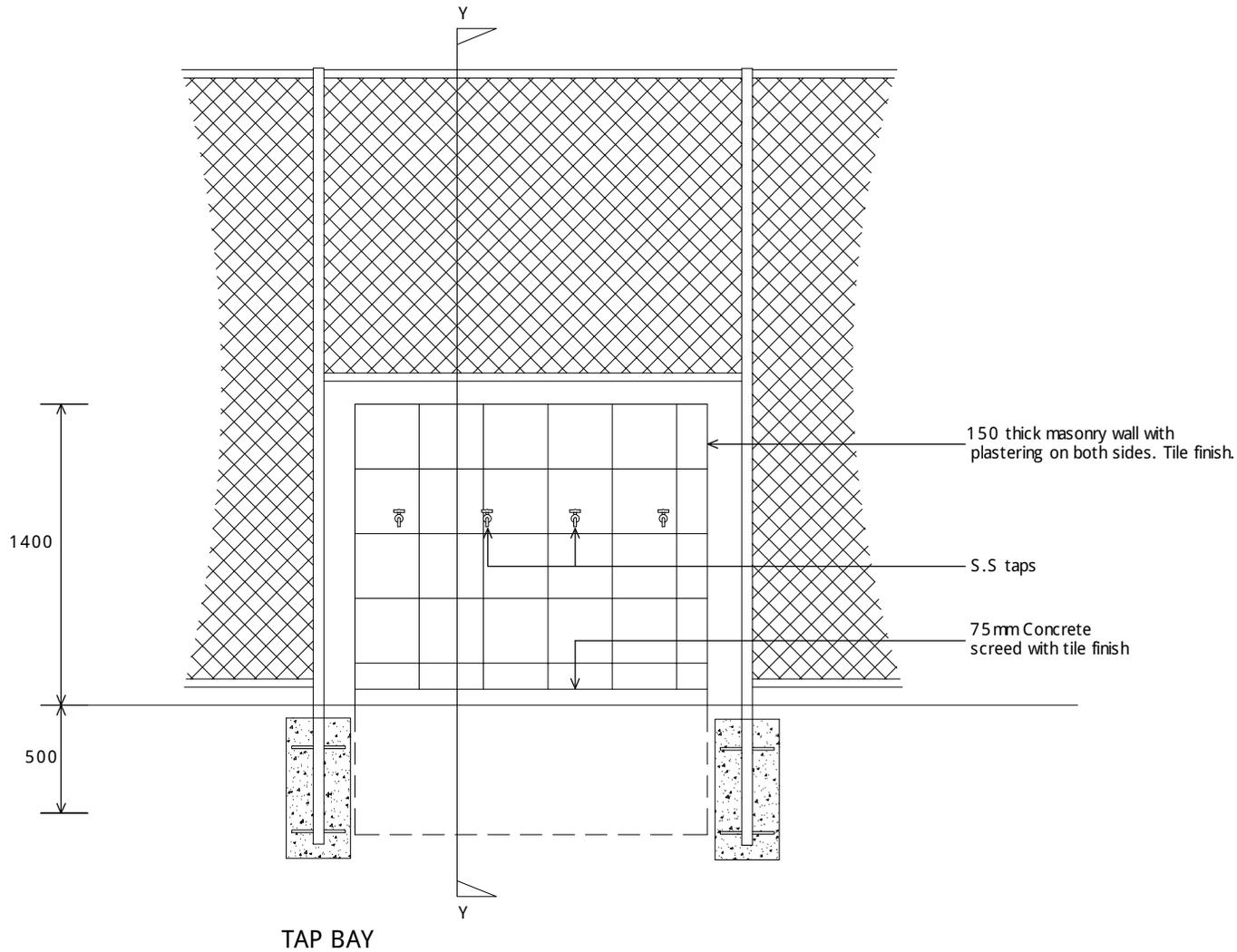
DOOR G1

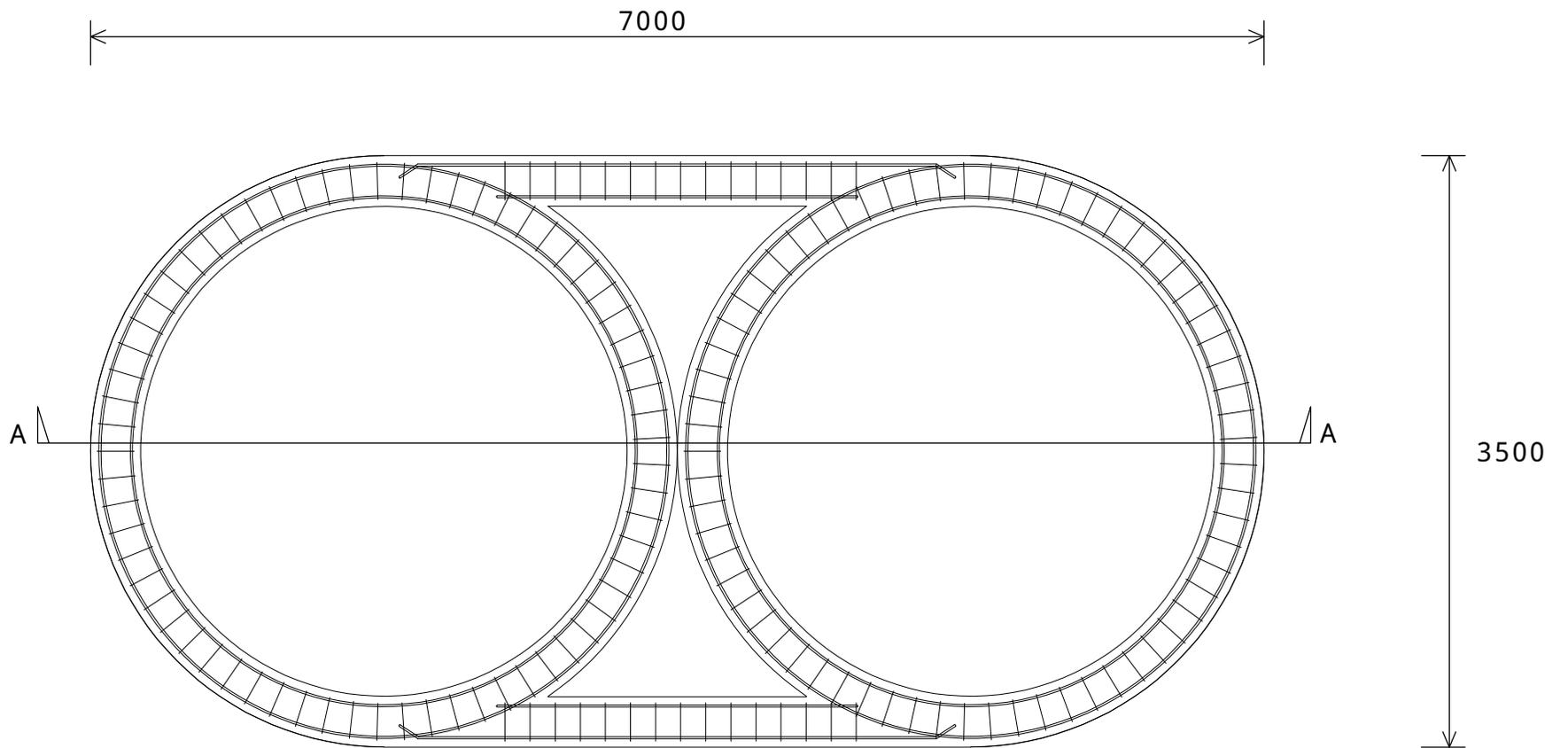
Notes:
 Door made from 38mm G.I Pipe
 Door covered with PVC coated wire mesh
 Hinges and locking mechanism to be provided



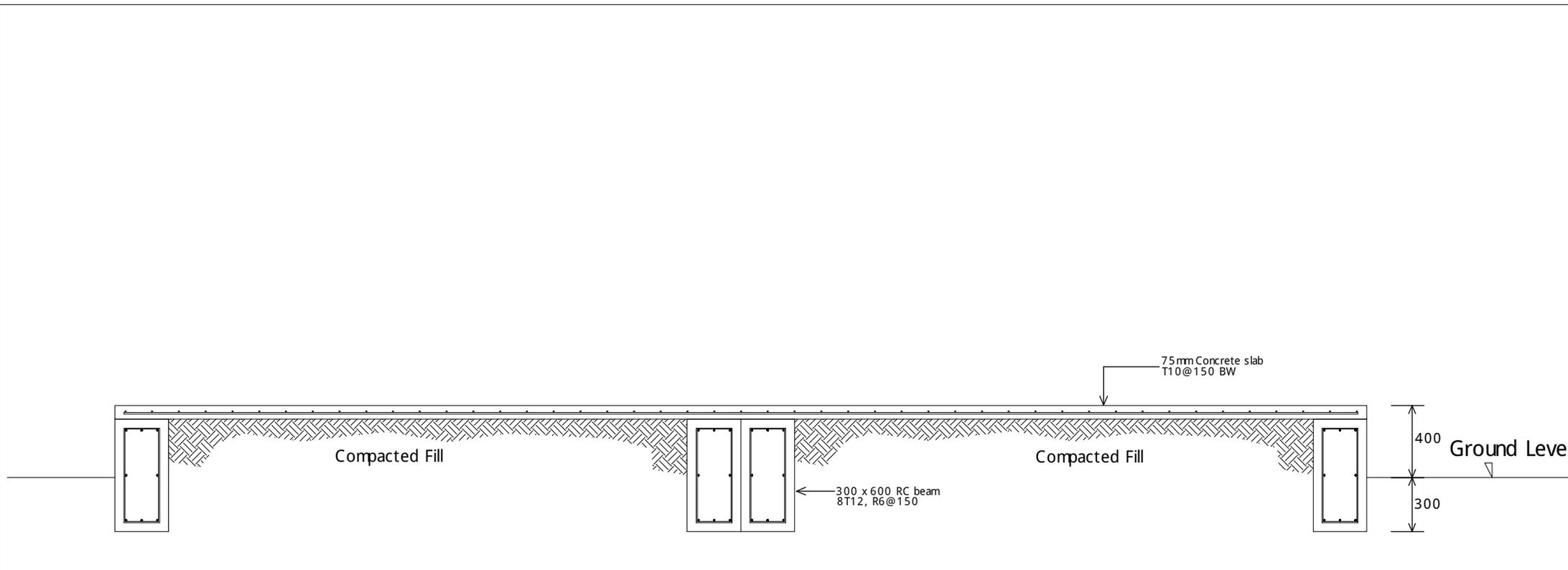
DOOR G2

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

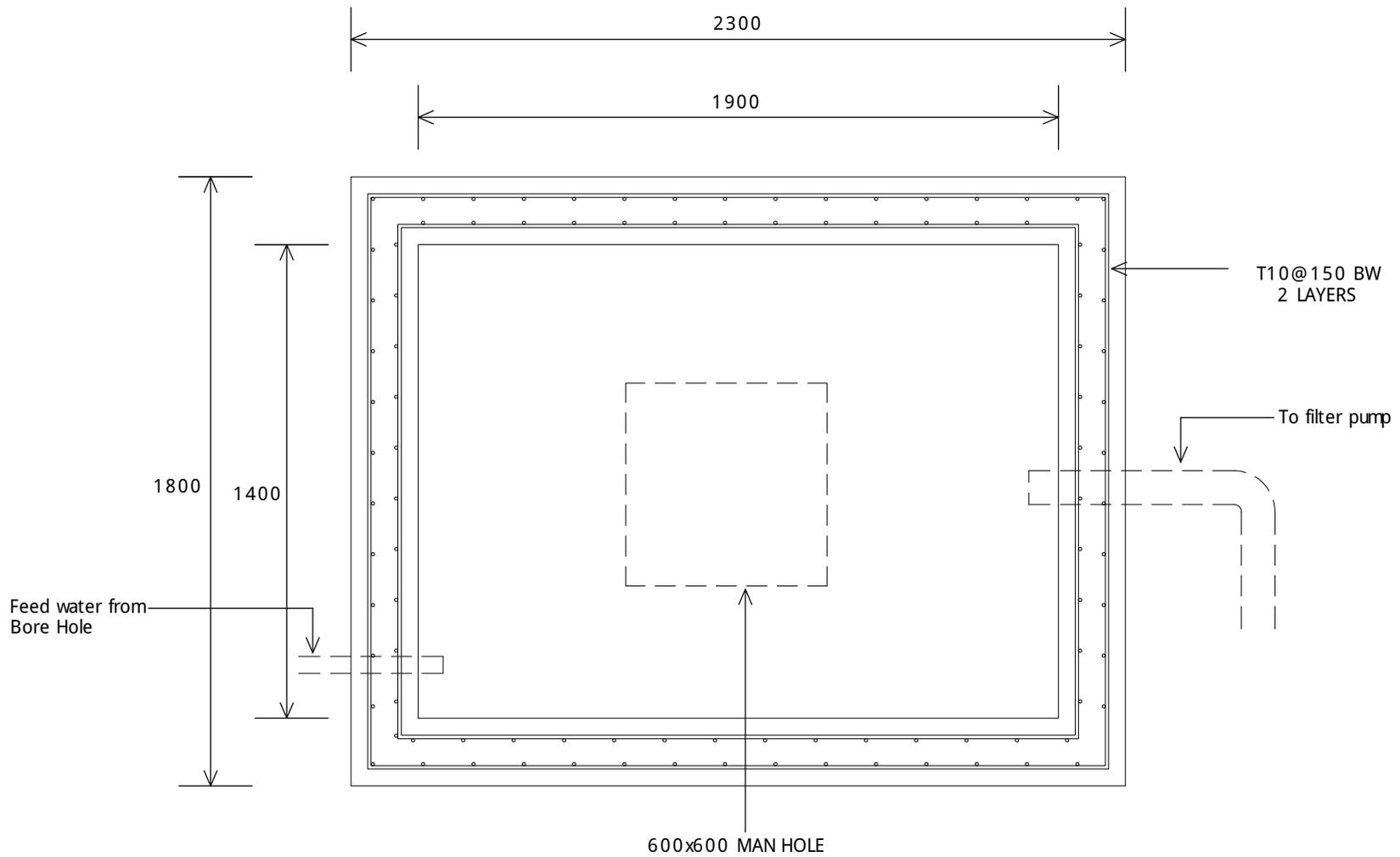




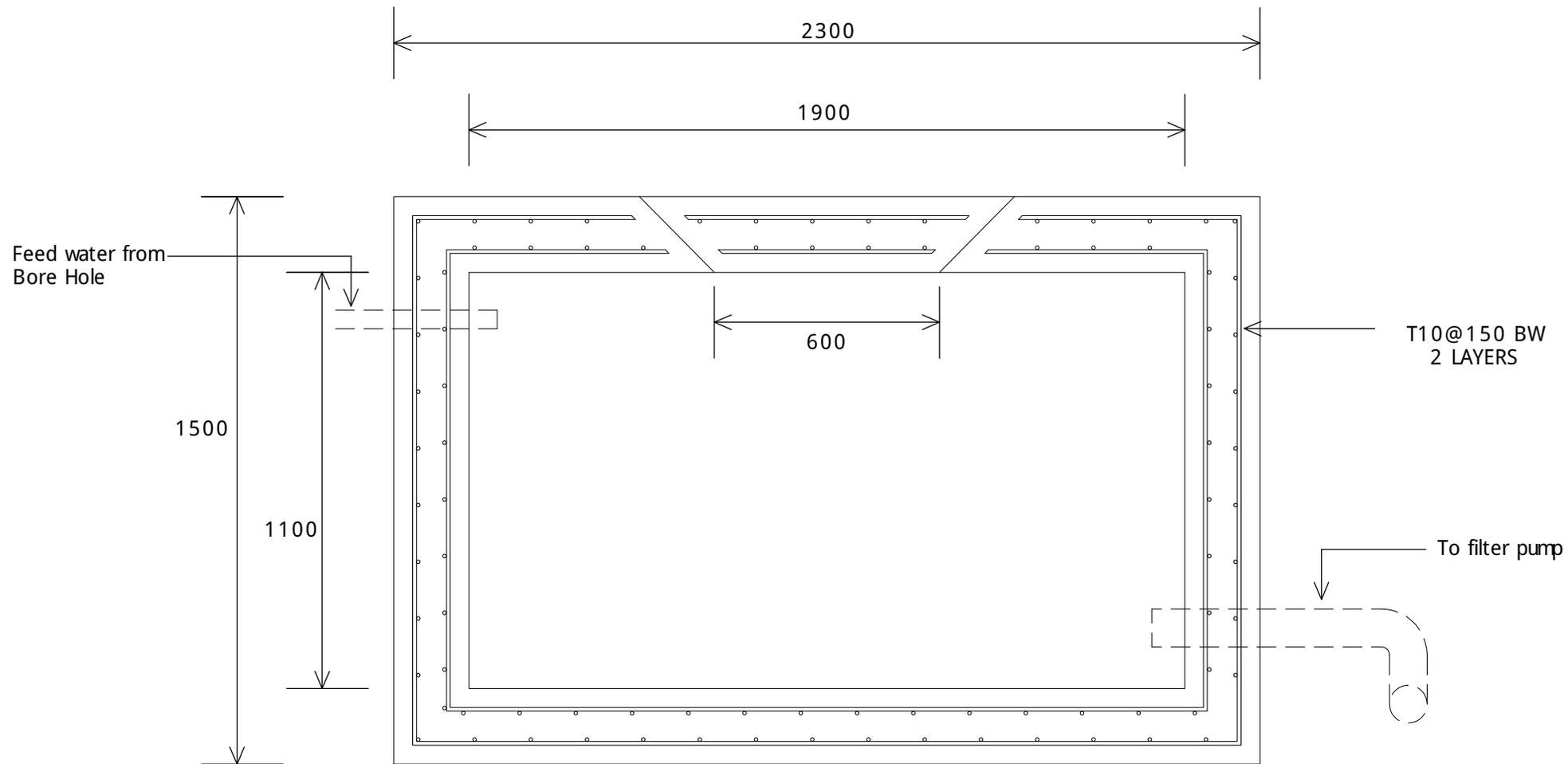
STORAGE TANK FOUNDATION
PLAN



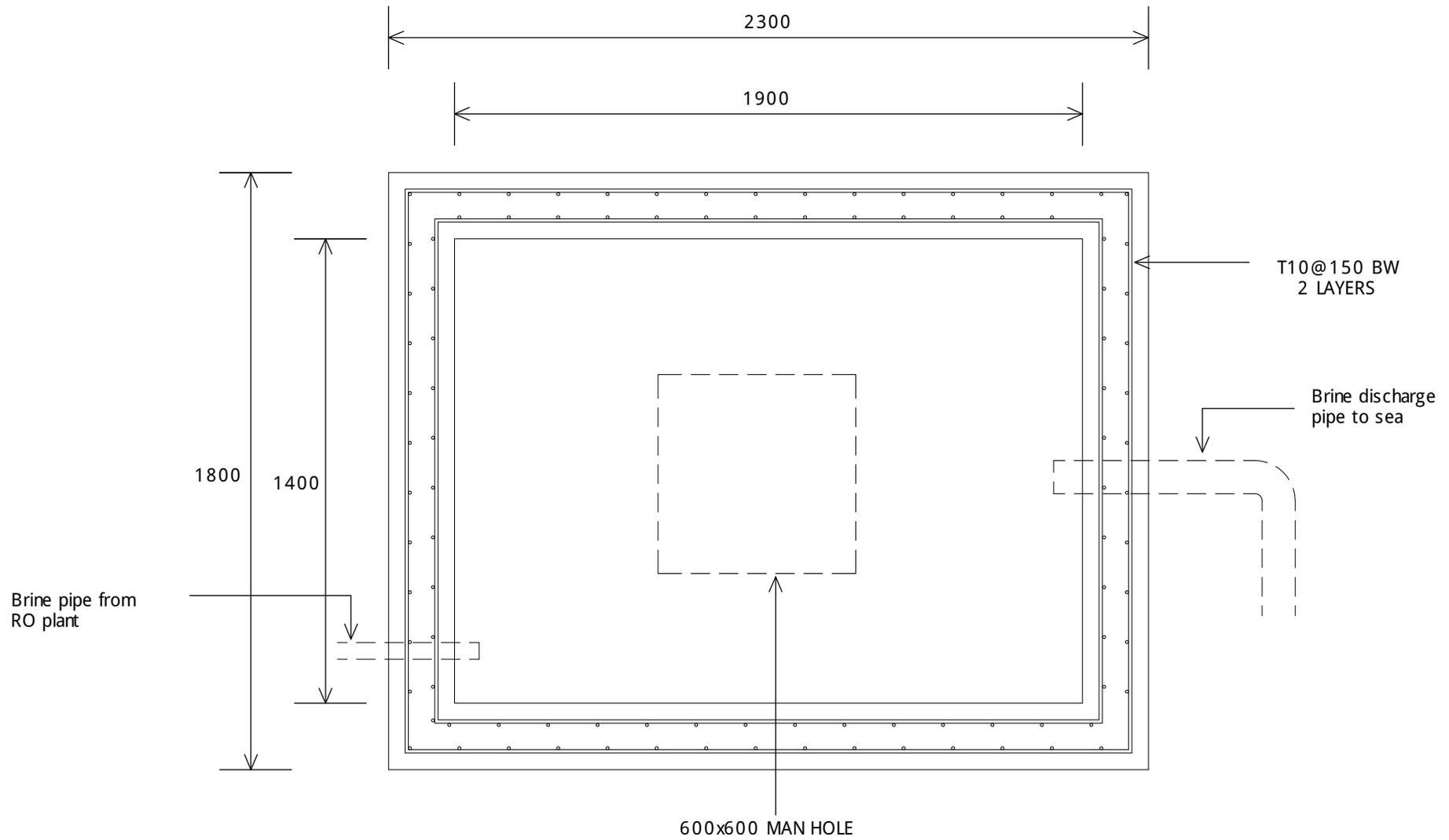
STORAGE TANK FOUNDATION
SECTION A-A



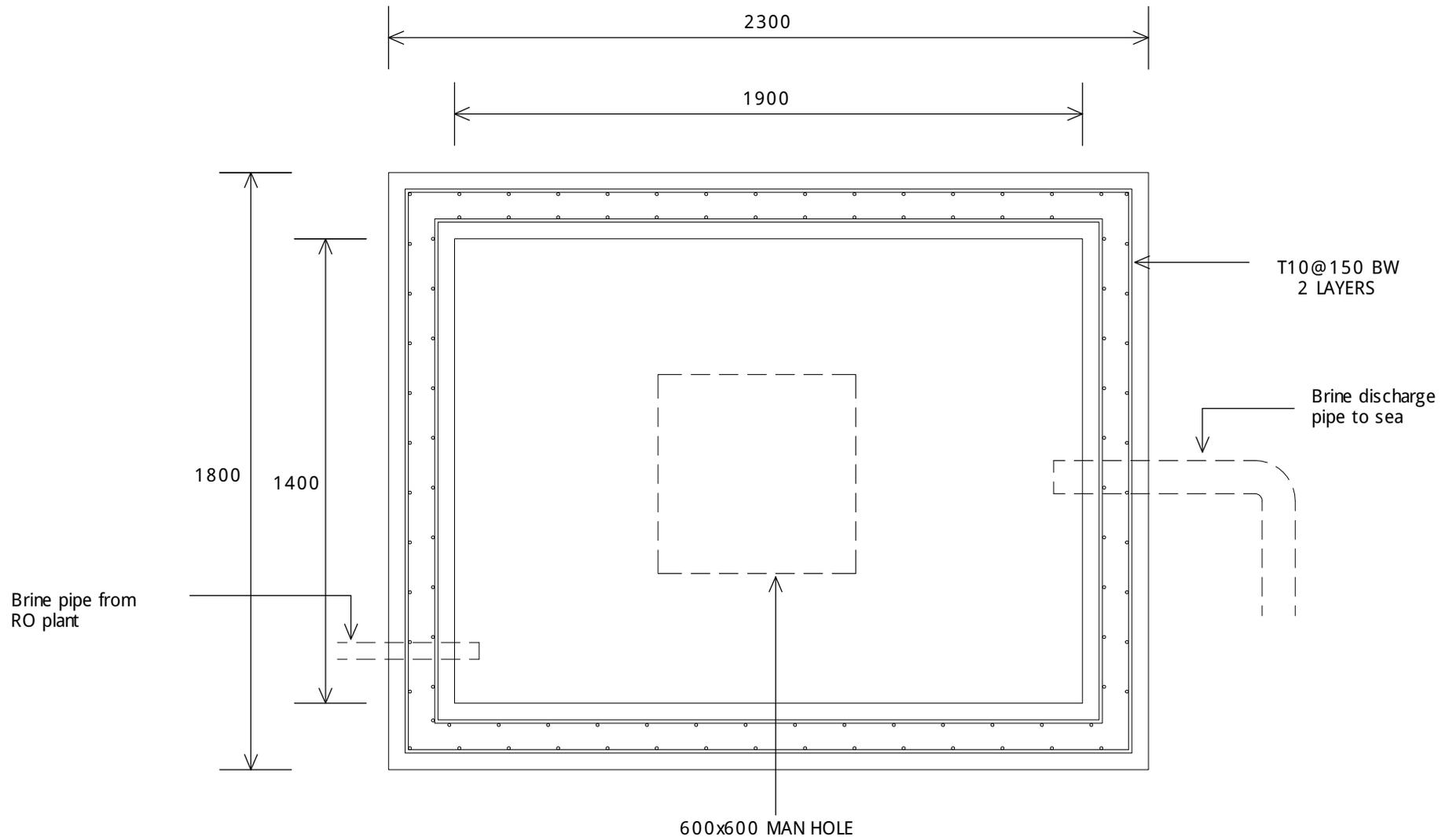
**FEED WATER TANK
PLAN**



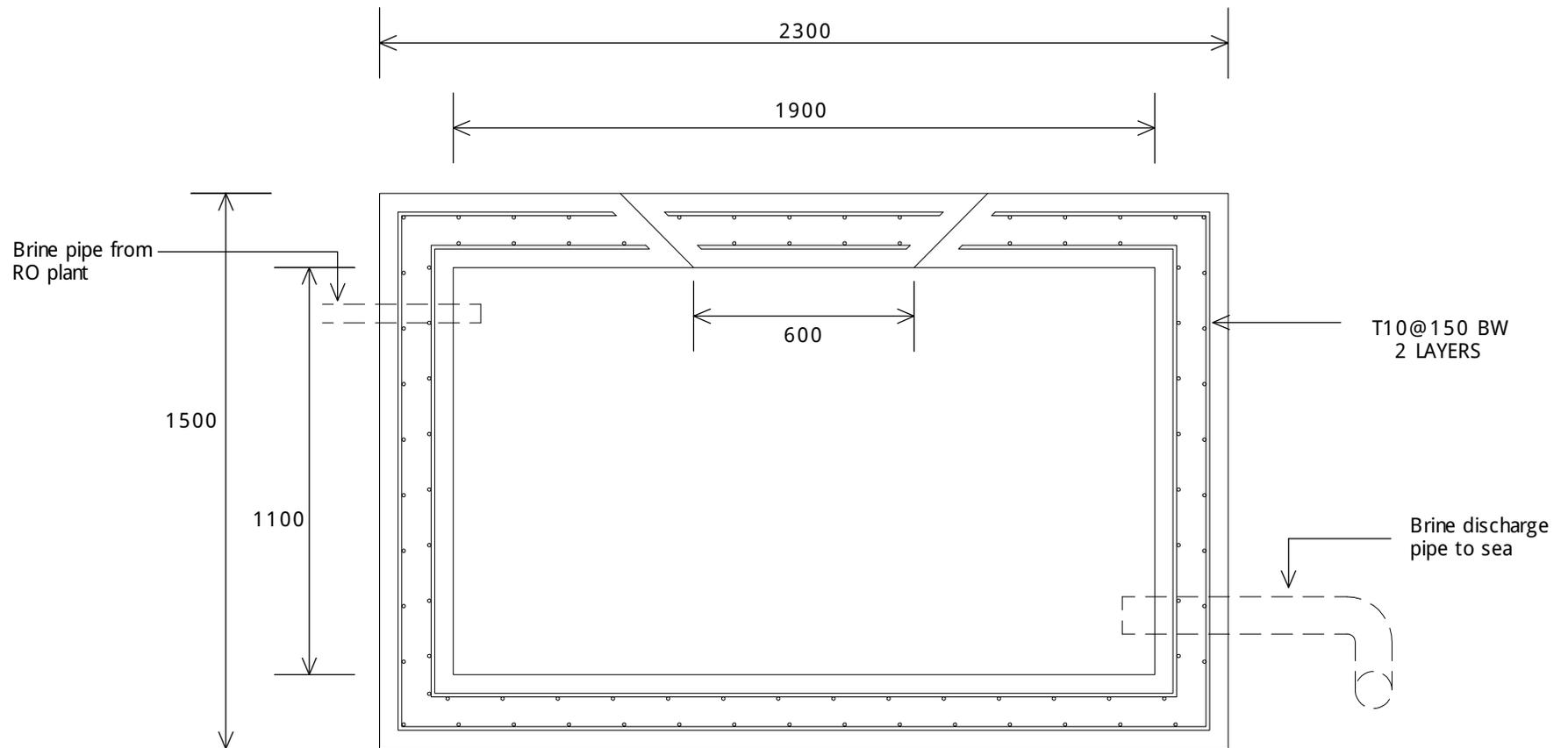
**FEED WATER TANK
SECTION**



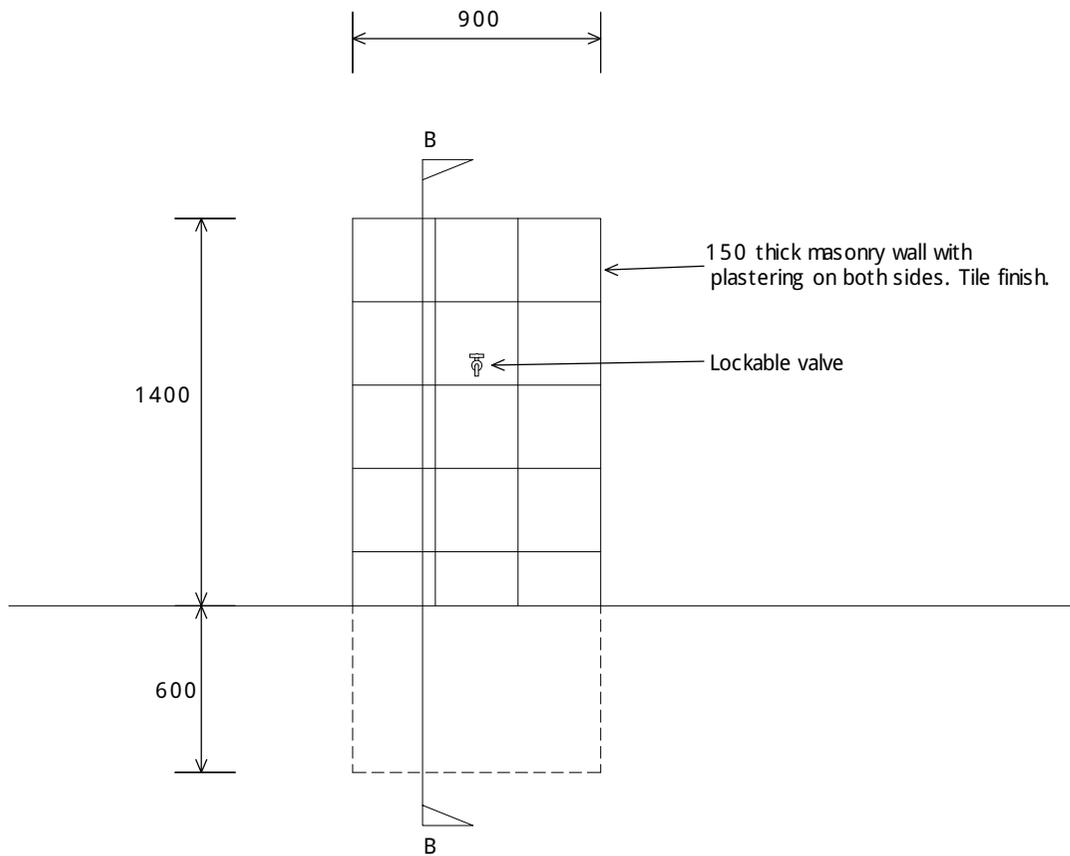
REJECT WATER TANK
PLAN



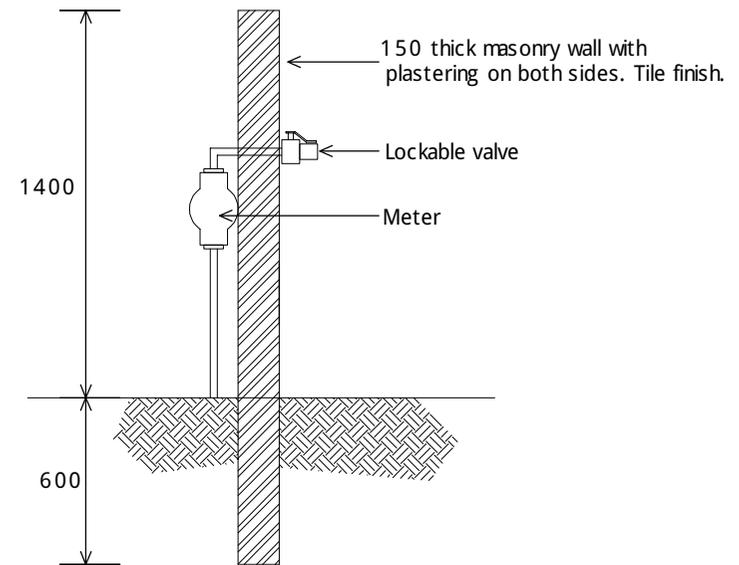
**REJECT WATER TANK
PLAN**



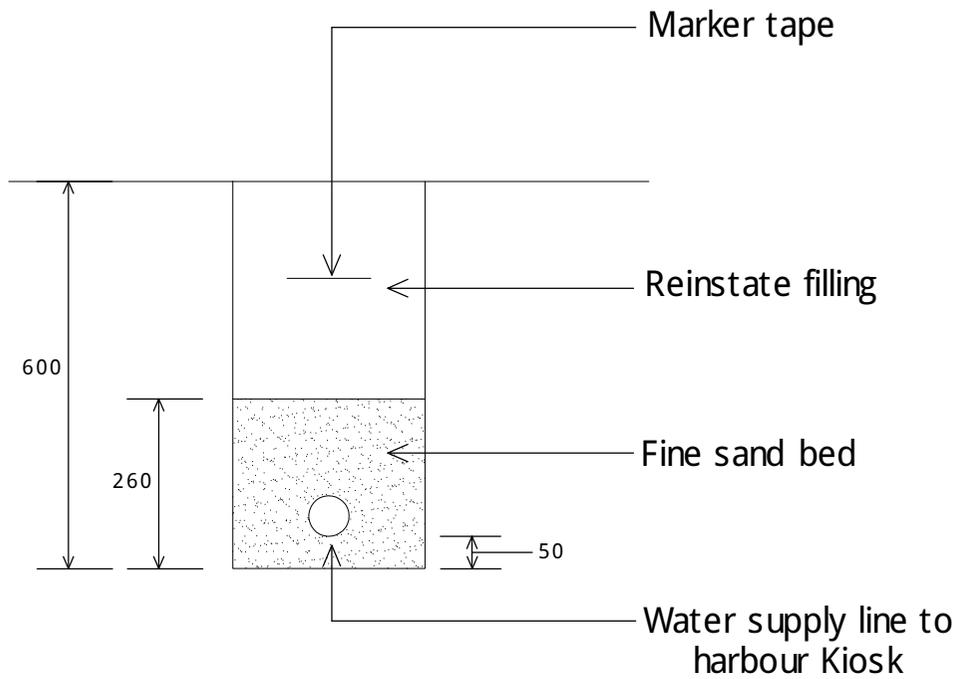
REJECT WATER TANK
SECTION



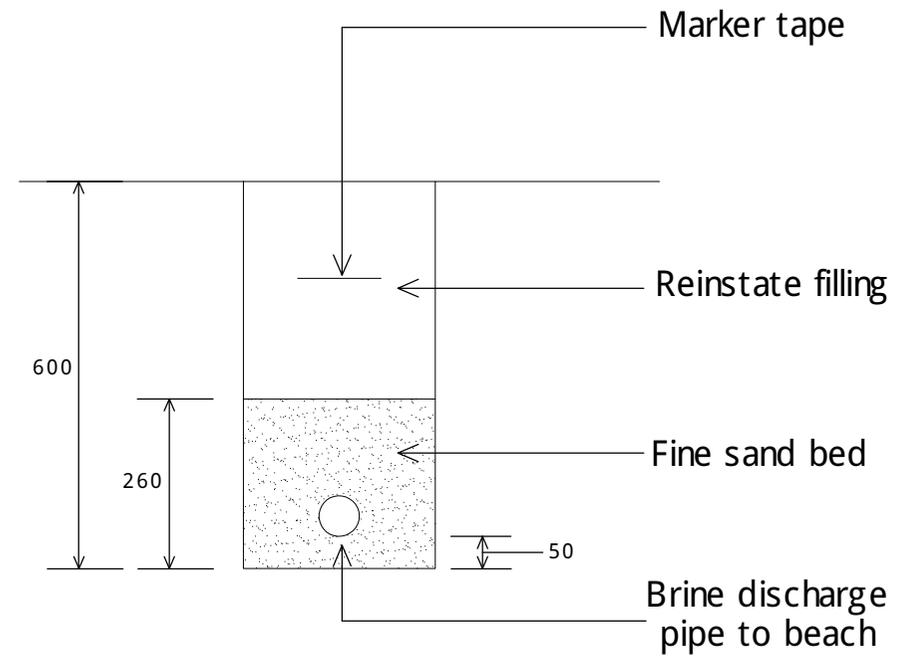
HARBOUR KIOSK



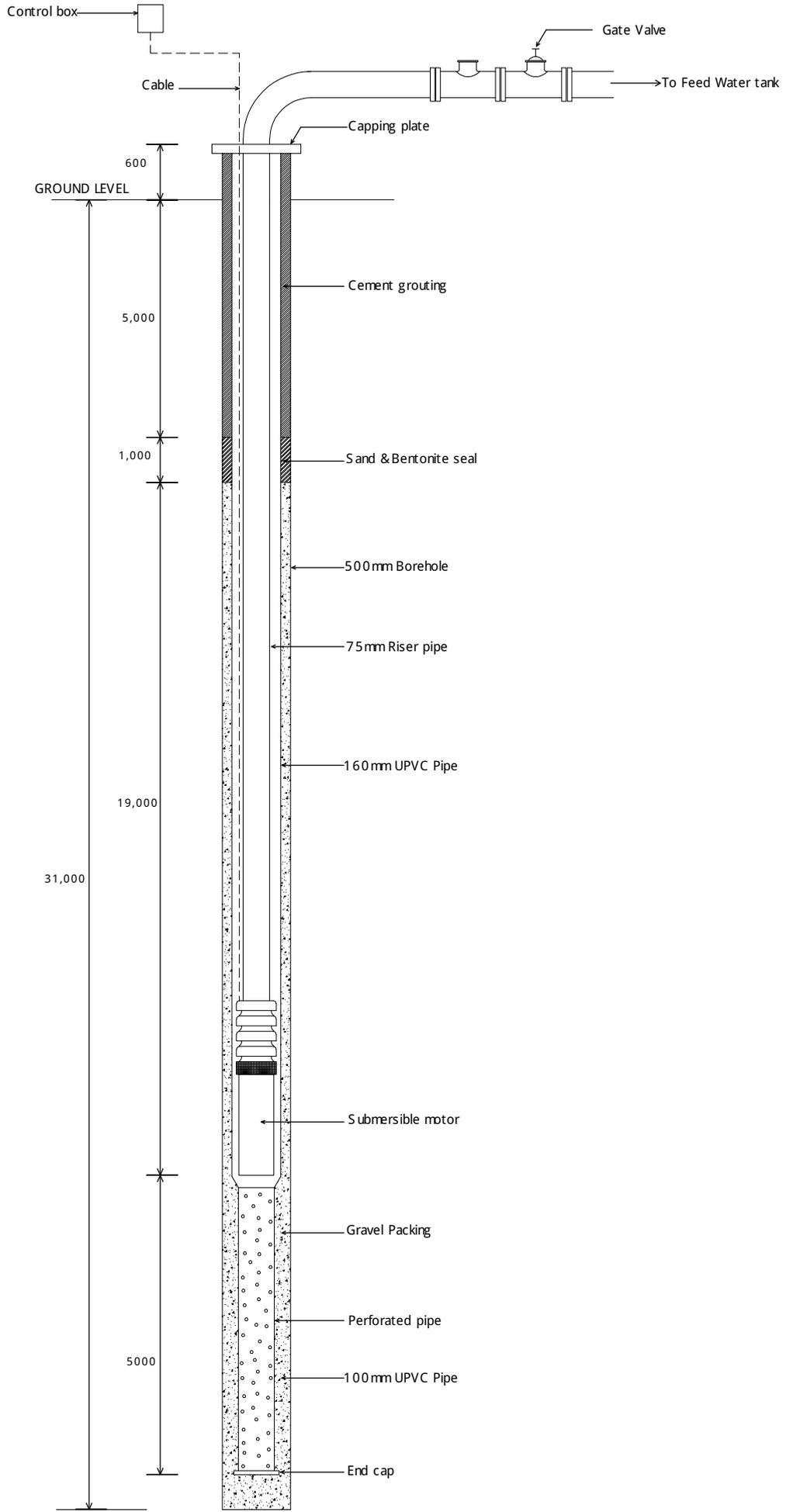
HARBOUR KIOSK
SECTION B - B



PIPE TRENCH DETAIL FOR HARBOUR KIOSK

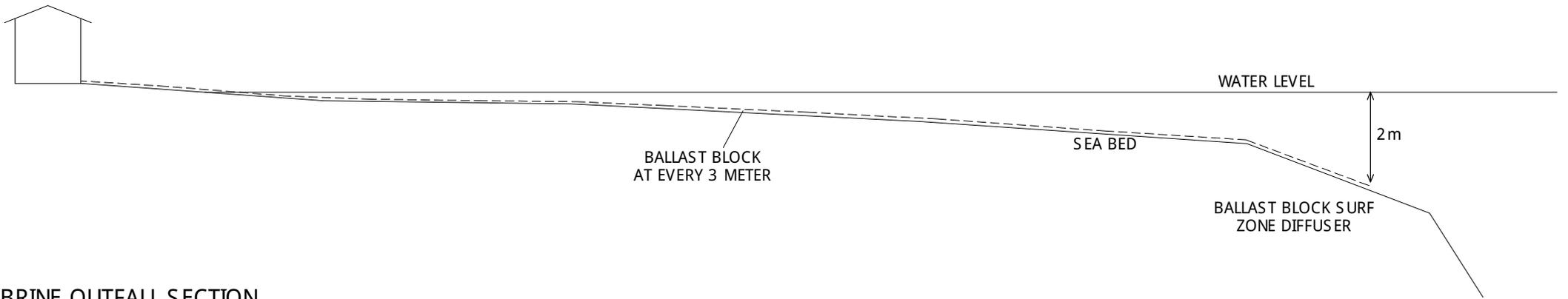


PIPE TRENCH DETAIL FOR BRINE DISCHARGE PIPE

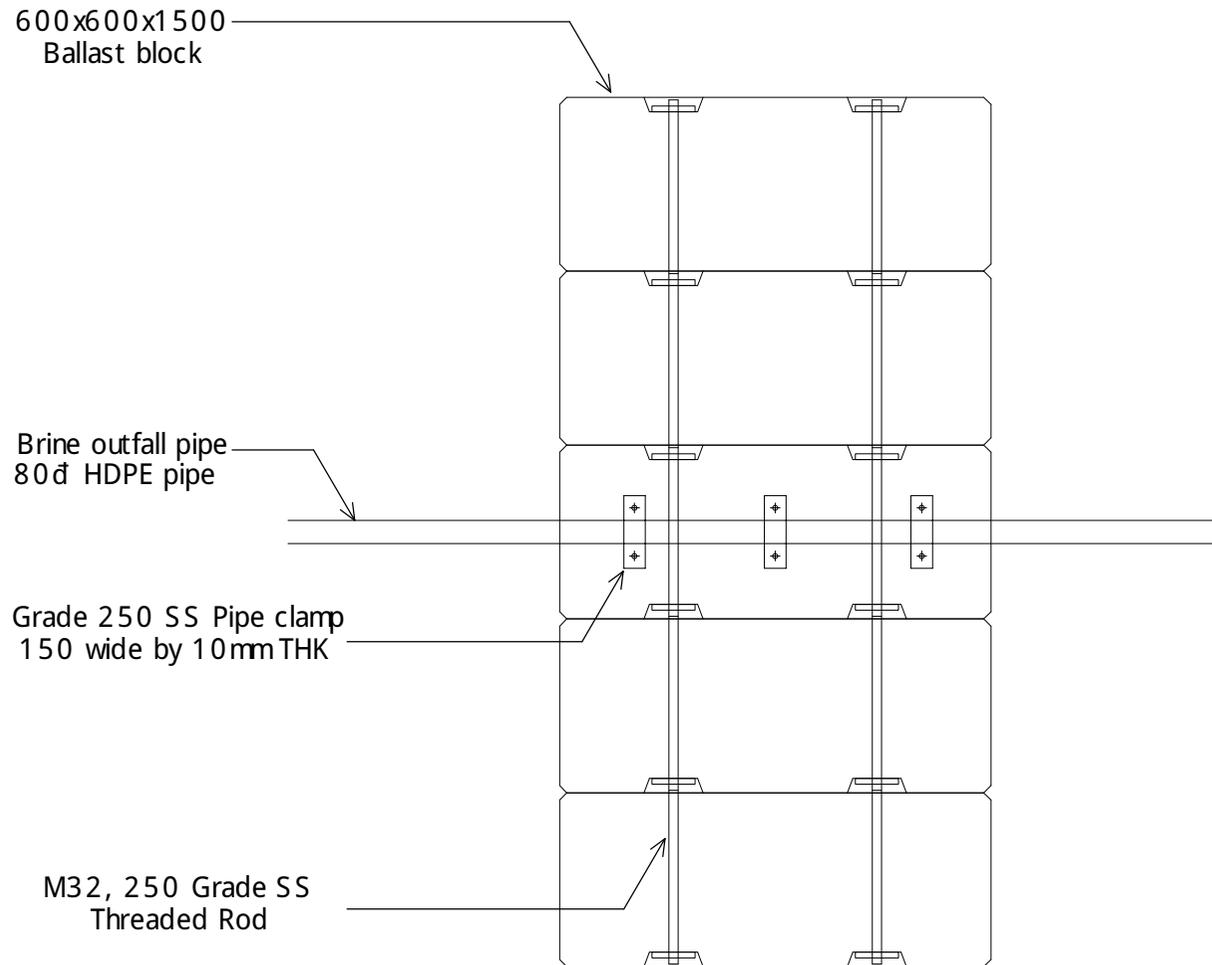


BORE WELL DETAIL

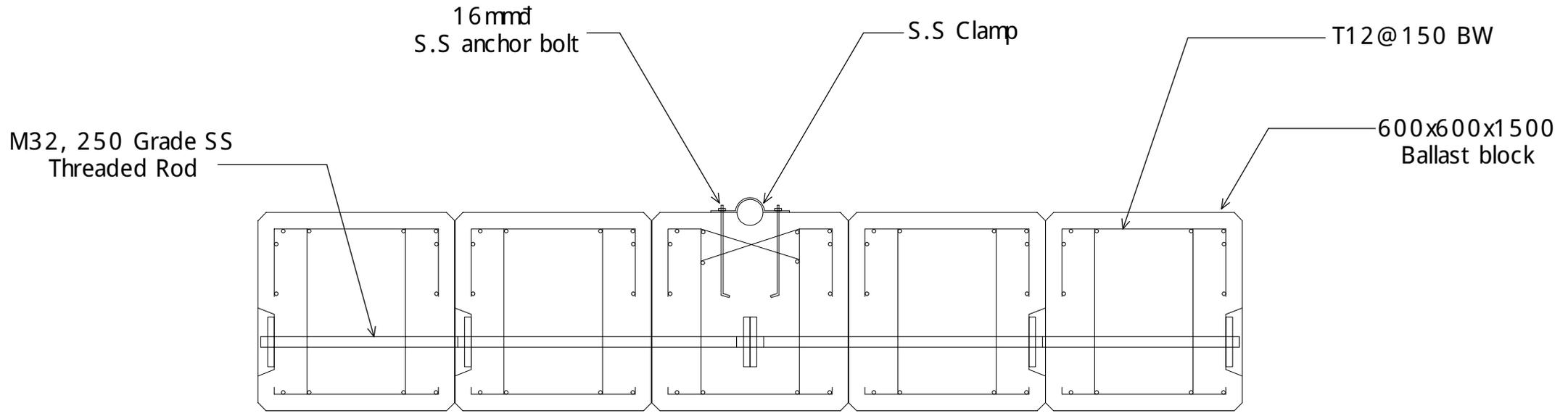
RO PLANT BUILDING



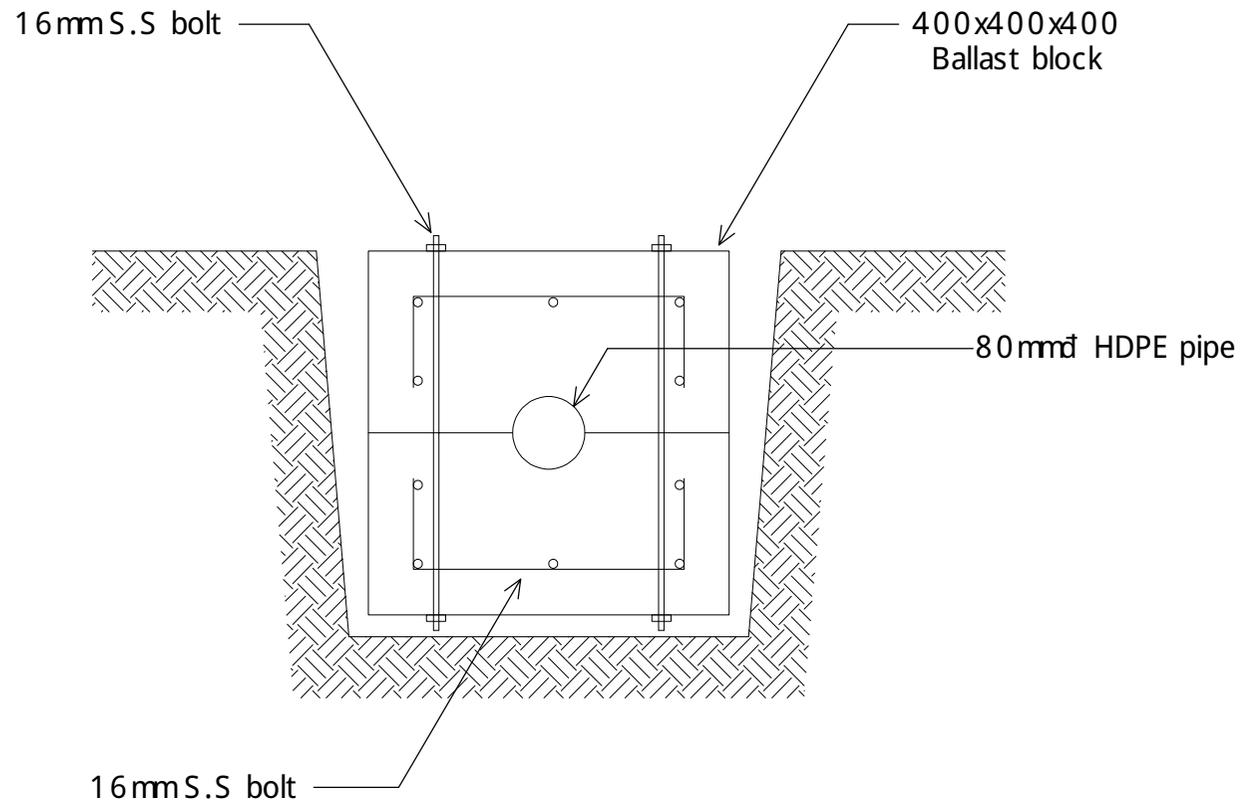
BRINE OUTFALL SECTION



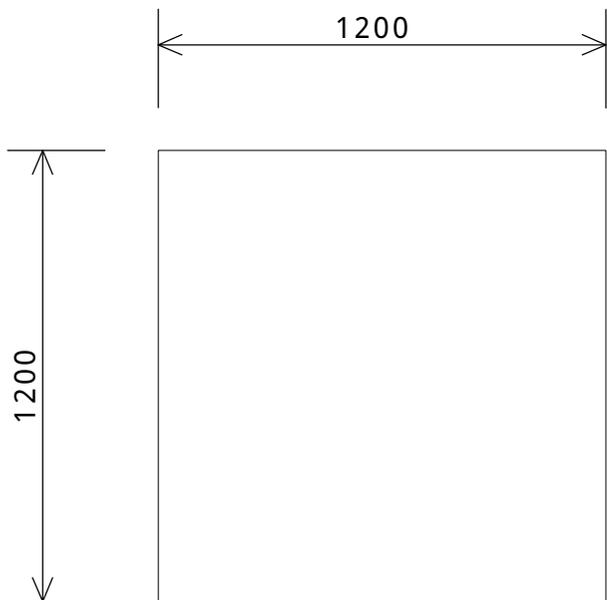
BALLAST BLOCK - PLAN
SURF ZONE DIFFUSER



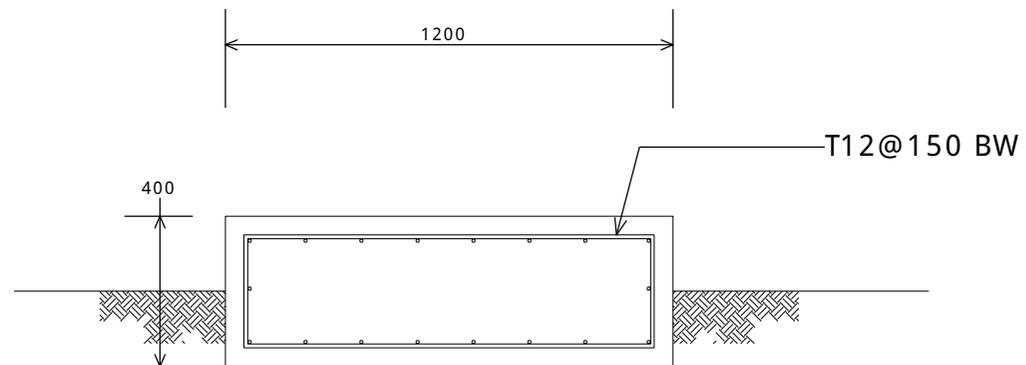
BALLAST BLOCK - SECTION
SURF ZONE DIFFUSER



BALLAST BLOCK NEARS HORE



BACKWASH TANK FOUNDATION
PLAN



BACKWASH TANK FOUNDATION
SECTION