





### **PROJECT**

# UPGRADE OF EXISTING ISLAND WASTE MANAGMENT CENTER AT LAAMU.MAAMENDHOO ISLAND

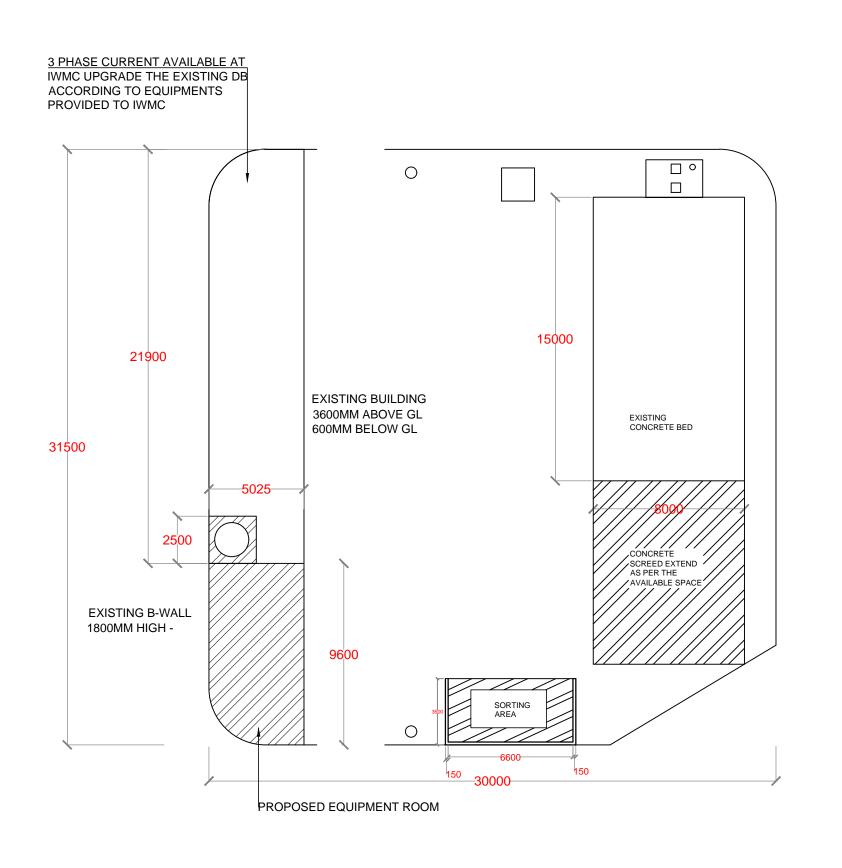
PREPARED BY

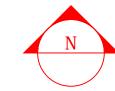
United Nations Development Programme

# CONTENT

# **MAAMENDHOO DRAWINGS**

SL.NO	DRAWING NAME	DRAWING NUMBER
1	SITE PLAN	00088179/2017/IWMC/MAA/001
2	FLOOR PLAN	00088179/2017/IWMC/MAA/002
3	FOUNDATION PLAN	00088179/2017/IWMC/MAA/003
4	ROOF FRAME PLAN	00088179/2017/IWMC/MAA/004
5	ROOF PLAN	00088179/2017/IWMC/MAA/005
6	PLUMBING LAYOUT	00088179/2017/IWMC/MAA/006
7	ELECTRICAL LAYOUT	00088179/2017/IWMC/MAA/007





NO.	REVISION	DATE

G.SARAVANAN CONSULTANT-CIVIL ENGINEER

CHECKED BY:

FATHIMATH SHAFA-ATH ENGINEER- MEE

APPROVED BY:

AISHATH AZFA

PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



**United Nations** Development Programme

IMPLEMENTING PARTNER:



Ministry of **Environment and** Energy

PROGRAMME:



LECRED 4-Programme Apulated to the Consensation of Section 1 (2011) Apulation (2011) A

Low Emission Climate Resilient Developm

PROJECT NAME:

CONSTRUCTION & UPGRADE OF IWMC FOR 10 ISLANDS IN LAAMU ATOLL

ISLAND NAME:

LAAMU. MAAMENDHOO

LOCATION:

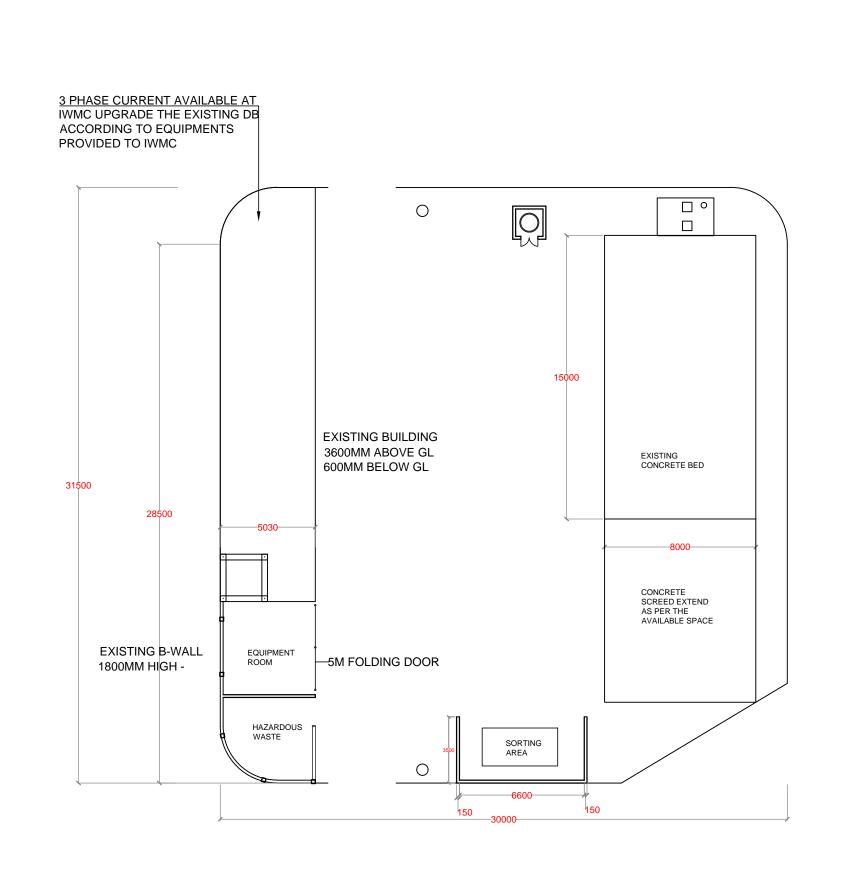
ISLAND WASTE MANAGEMENT CENTER

DRAWING NAME:

SITE PLAN

DRAWING NO:

DATE :	APRIL 2017
SCALE :	1:200
PROJECT NO :	00088179



NO.	REVISION	DATE
	NO.	NO. REVISION

G.SARAVANAN CONSULTANT-CIVIL ENGINEER

CHECKED BY:

FATHIMATH SHAFA-ATH ENGINEER- MEE

APPROVED BY:

AISHATH AZFA

PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



**United Nations** Development Programme

IMPLEMENTING PARTNER:



Environment and Energy

PROGRAMME:



LECRED 4-Programme Apulated to the Consensation of Section 1 (2011) Apulation (2011) A Low Emission Climate Resilient Developm

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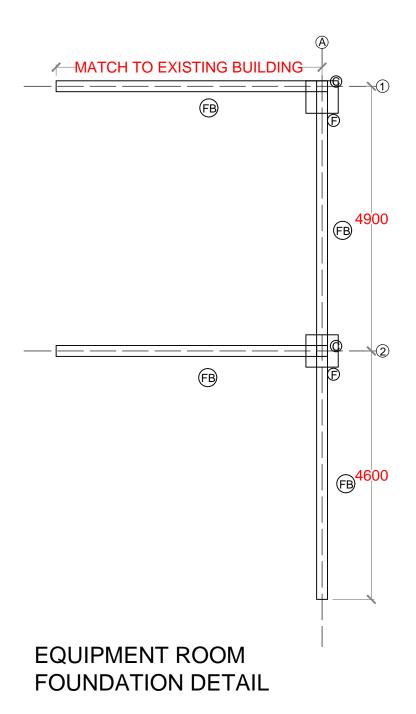
ISLAND WASTE MANAGEMENT CENTER

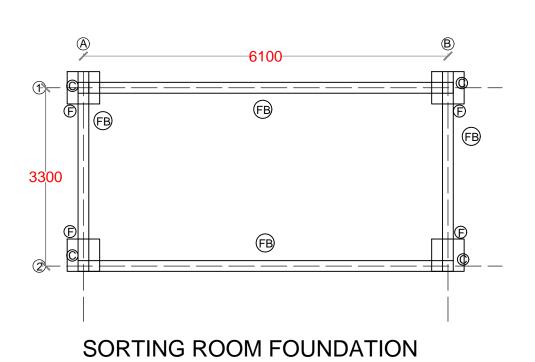
DRAWING NAME:

FLOOR PLAN

DRAWING NO:

DATE :	APRIL 2017
SCALE :	1:200
PROJECT NO :	00088179





**DETAIL** 

REVISION DATE PREPARED BY:

G.SARAVANAN CONSULTANT-CIVIL ENGINEER

CHECKED BY:

FATHIMATH SHAFA-ATH ENGINEER- MEE

APPROVED BY:

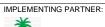
AISHATH AZFA

PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



**United Nations** Development Programme





Ministry of **Environment and** Energy

PROGRAMME:



Low Emission Climate Resilient Develop

PROJECT NAME:

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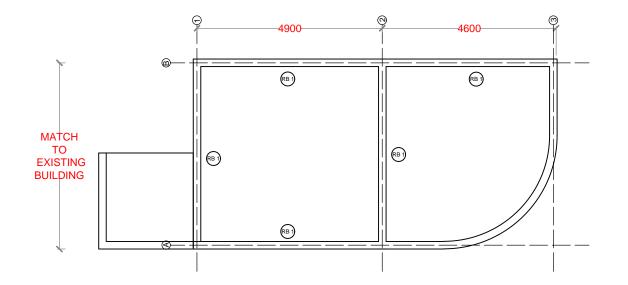
ISLAND WASTE MANAGEMENT CENTER

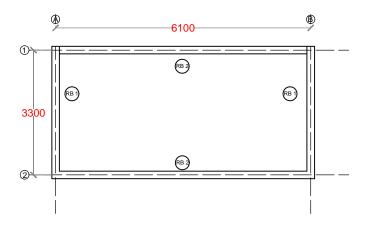
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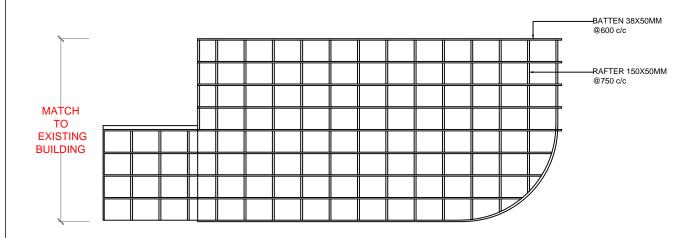
FOUNDATION PLAN

DRAWING NO:

DATE :	APRIL 2017
SCALE :	1:70
PROJECT NO :	00088179







BATTEN 38X50MM -RAFTER 150X50MM @750 c/c

**EQUIPMENT ROOM ROOF** FRAME DETAIL

SORTING ROOM ROOF FRAME **DETAIL** 

NO.	REVISION	DATE

PREPARED BY:

G.SARAVANAN CONSULTANT-CIVIL ENGINEER

CHECKED BY:

FATHIMATH SHAFA-ATH ENGINEER- MEE

APPROVED BY:

AISHATH AZFA

PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



**United Nations** Development Programme



Ministry of Environi Energy Environment and

PROGRAMME:



Low Emission Climate Resilient Developm

PROJECT NAME:

CONSTRUCTION & UPGRADE OF IWMC FOR 10 ISLANDS IN LAAMU ATOLL

ISLAND NAME:

LAAMU. MAAMENDHOO

LOCATION:

ISLAND WASTE MANAGEMENT CENTER

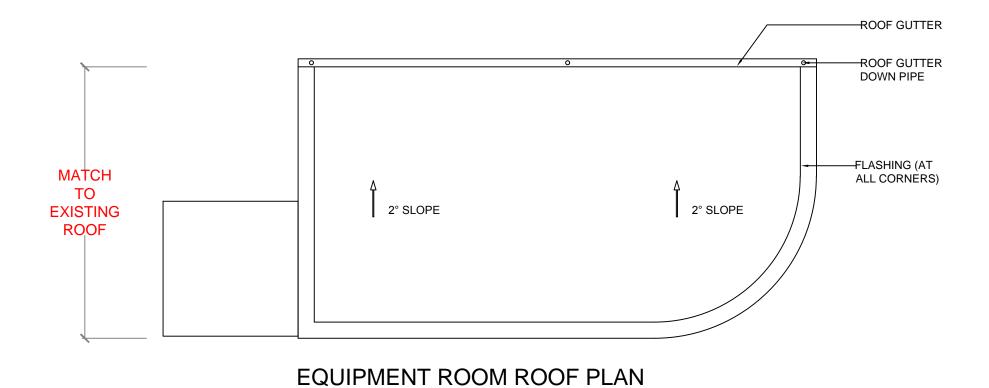
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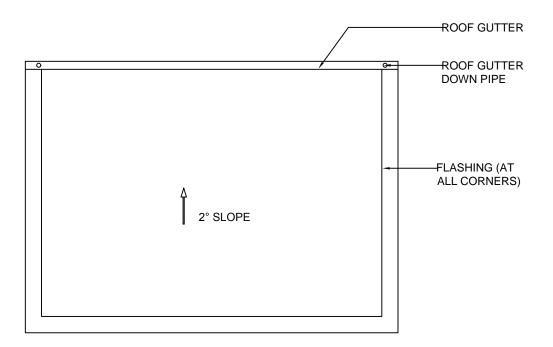
ROOF FRAME PLAN

DRAWING NO:

00088179/2017/IWMC/MAA/004

DATE : APRIL 2017 SCALE: 1:70 PROJECT NO: 00088179





SORTING ROOM ROOF PLAN

NO.	REVISION	DATE

PREPARED BY:

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CHECKED BY:

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Ministry of **Environment and** Energy

PROGRAMME:



Low Emission Climate Resilient Develop

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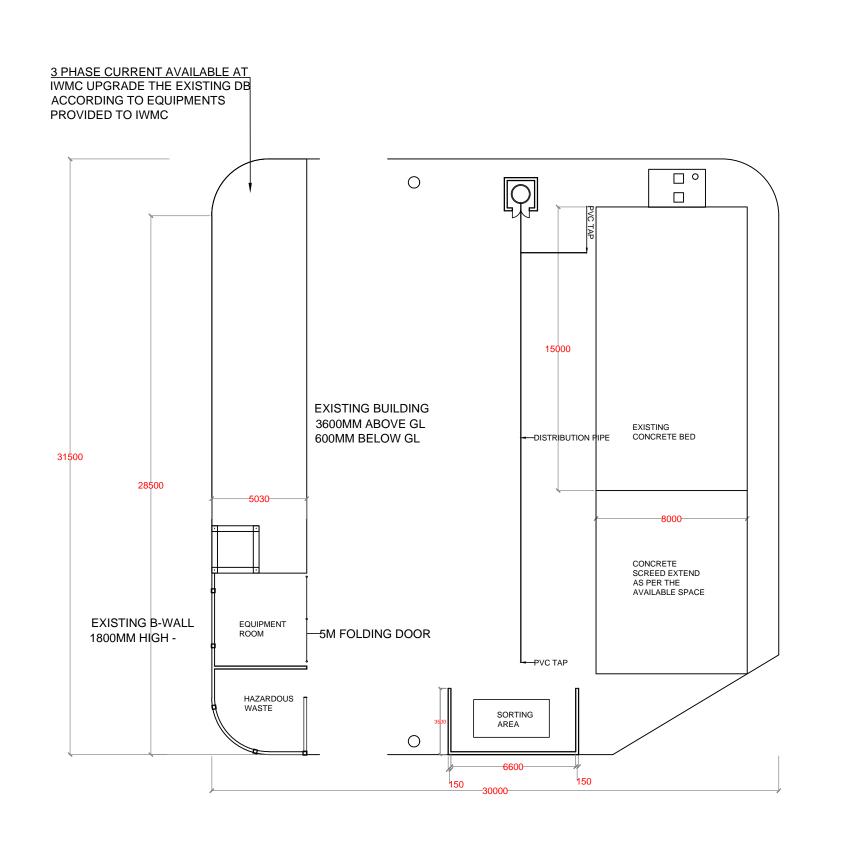
ISLAND WASTE MANAGEMENT CENTER

DRAWING NAME:

**ROOF PLAN** 

DRAWING NO:

DATE :	APRIL 2017
SCALE :	1:70
PROJECT NO :	00088179



NO.	REVISION	DATE

G.SARAVANAN CONSULTANT-CIVIL ENGINEER

CHECKED BY:

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**United Nations** Development Programme

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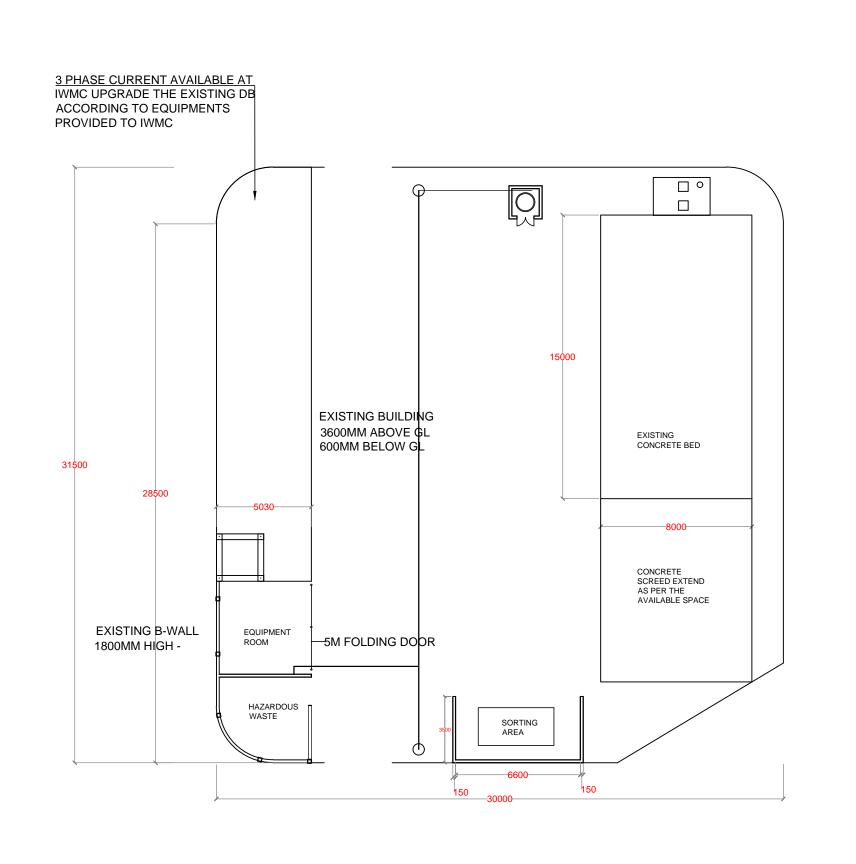
ISLAND WASTE MANAGEMENT CENTER

DRAWING NAME:

PLUMBING LAYOUT

DRAWING NO:

DATE :	APRIL 2017
SCALE :	1:200
PROJECT NO :	00088179



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G.SARAVANAN CONSULTANT-CIVIL ENGINEER

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ISLAND NAME:

LAAMU. MAAMENDHOO

LOCATION:

ISLAND WASTE MANAGEMENT CENTER

DRAWING NAME:

ELECTRICAL LAYOUT

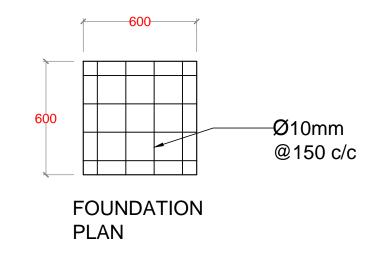
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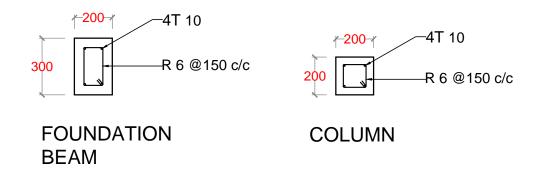
DATE :	APRIL 2017
SCALE :	1:200
PROJECT NO :	00088179

### CONTENT

# STANDARD DRAWINGS (APPLICABLE FOR ALL ISLANDS)

SL.NO	DRAWING NAME	DRAWING NUMBER
1	STRUCTURAL DETAILS - 1	00088179/2017/IWMC/SD/001
2	STRUCTURAL DETAILS - 2	00088179/2017/IWMC/SD/002
3	CONCRETE BED / SCREED REINFORCEMENT DETAIL	00088179/2017/IWMC/SD/003
4	CONCRETE BED / SCREED PLAN	00088179/2017/IWMC/SD/003A
5	SORTING TABLE	00088179/2017/IWMC/SD/004
6	LEACHETE TANK	00088179/2017/IWMC/SD/005
7	ELEVATION & SECTION	00088179/2017/IWMC/SD/006
8	PUMP ROOM HUT DETAILS	00088179/2017/IWMC/SD/007
9	SLIDING DOOR DETAILS	00088179/2017/IWMC/SD/008
10	ELECTRICAL LAYOUT	00088179/2017/IWMC/SD/009
11	GROUND WATER WELL & RAINWATER TANK DETAILS	00088179/2017/IWMC/SD/010
12	FLOOD LIGHT DETAILS	00088179/2017/IWMC/SD/011
13	STREET DB STAND & CABLE TRENCH DETAILS	00088179/2017/IWMC/SD/012



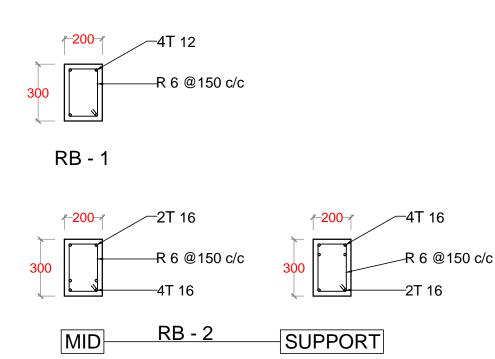


**ROOF BEAM DETAILS** 

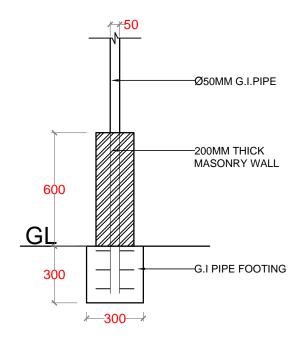
# COLUMN COLUMN R 6 @ 150 c/c 4T 10 FOUNDATION BEAM FOOTING 50MM THICK LEAN CONCRETE

**FOUNDATION** 

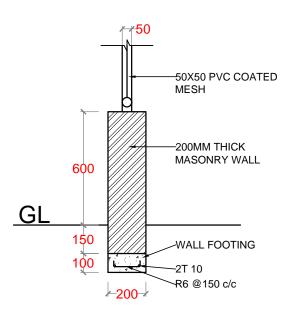
**SECTION** 

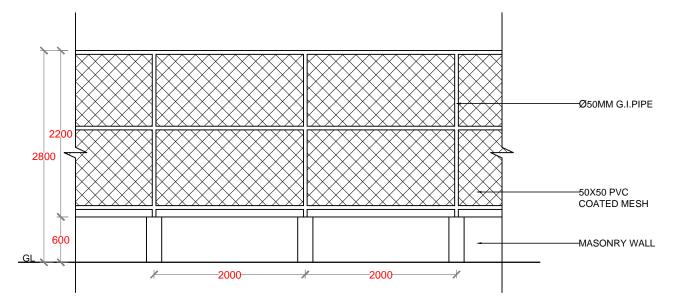




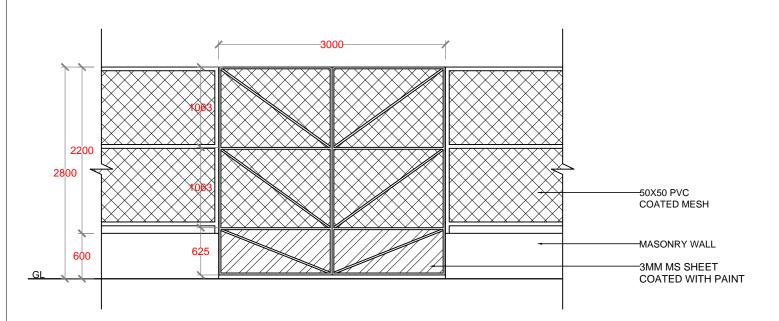


FENCING FOUNDATION DETAILS SCALE - 1:20





PERIMETER FENCE



MAIN GATE

FENCING DETAILS SCALE - 1:50

NO.	REVISION	DATE
DDE	DADED BV:	

PREPARED BY:

G.SARAVANAN CONSULTANT-CIVIL ENGINEER

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APPROVED BY:

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PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



United Nations Development Programme





Ministry of
Environment and
Energy

PROGRAMME:



Climate Resilient Development

ReD State of the National State of

Low Emission Climate Resilient Develop

PROJECT NAME:

CONSTRUCTION & UPGRADE OF IWMC FOR 10 ISLANDS IN LAAMU ATOLL

ISLAND NAME:

LAAMU.

LOCATION:

ISLAND WASTE MANAGEMENT CENTER

DRAWING NAME:

STRUCTURAL DETAILS - 2

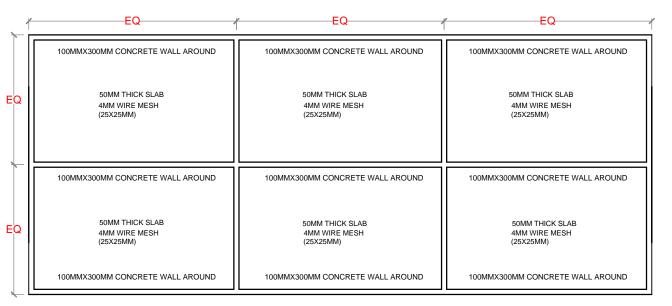
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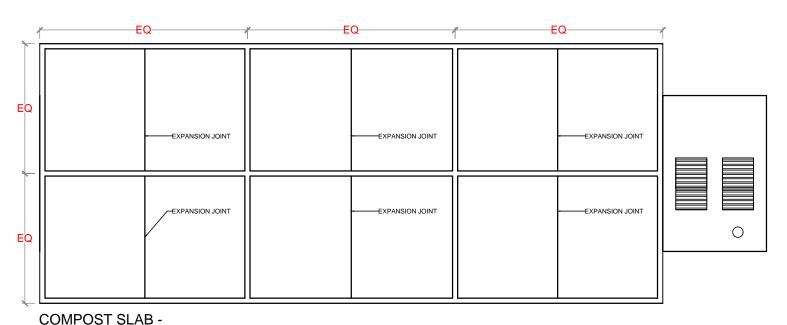
DATE: APRIL 2017

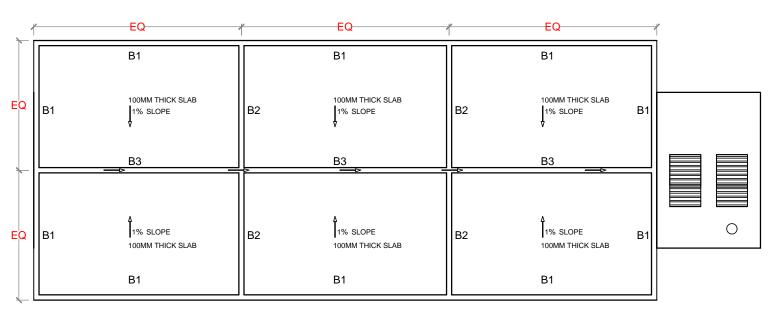
SCALE: 1:50

PROJECT NO: 00088179



### **COMPOST CONCRETE SCREED - PLAN**





**COMPOST SLAB - PLAN** 

JOINTS AND SPACING

NO.	REVISION	DATE
DD.	DADED DV	

PREPARED BY:

G.SARAVANAN CONSULTANT-CIVIL ENGINEER

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PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



United Nations Development Programme



Ministry of Environment and Energy

PROGRAMME:



Argument value for a foresteror of the control of t

PROJECT NAME:

CONSTRUCTION &
UPGRADE OF IWMC FOR 10
ISLANDS IN LAAMU ATOLL

ISLAND NAME:

LAAMU.

LOCATION:

ISLAND WASTE MANAGEMENT CENTER

DRAWING NAME:

CONCRETE BED / SCREED REINFORCEMENT DETAIL

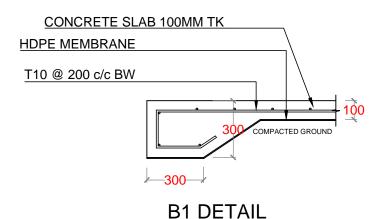
DRAWING NO:

00088179/2017/IWMC/SD/003A

DATE: APRIL 2017

SCALE: 1:20

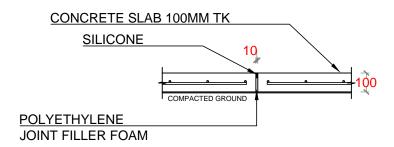
PROJECT NO: 00088179



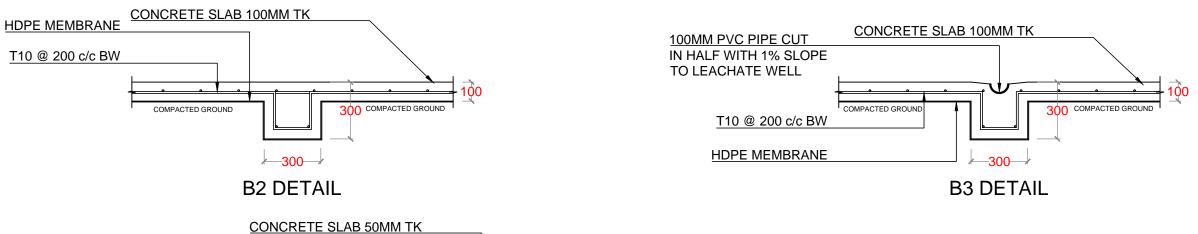
HDPE MEMBRANE

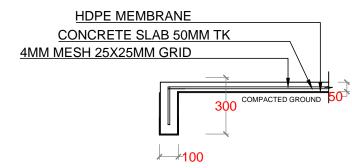
COMPACTED GROUND

4MM MESH 25X25MM GRID



### **SLAB EXPANSION** JOINT DETAIL





**COMPOST CONCRETE SCREED & WALL** 

COMPACTED GROUND

NO.	REVISION	DATE
PRE	PARED BY:	

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APPROVED BY:

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PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



**United Nations** Development Programme



Ministry of **Environment and** Energy

PROGRAMME:



Low Emission Climate Resilient Develo

PROJECT NAME:

CONSTRUCTION & UPGRADE OF IWMC FOR 10 ISLANDS IN LAAMU ATOLL

ISLAND NAME:

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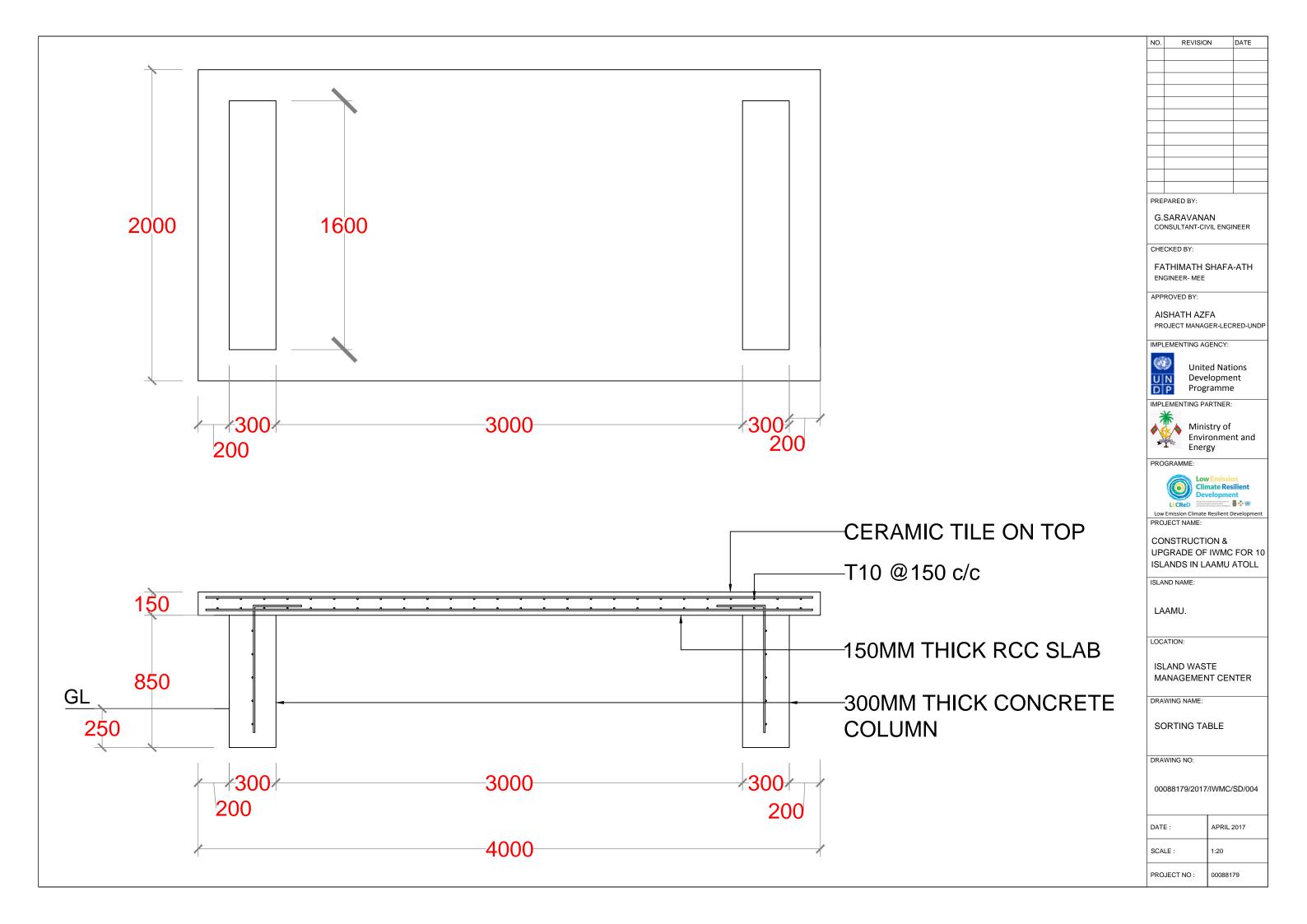
ISLAND WASTE MANAGEMENT CENTER

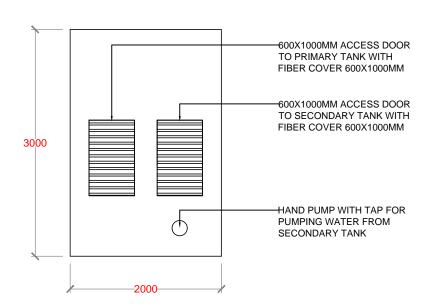
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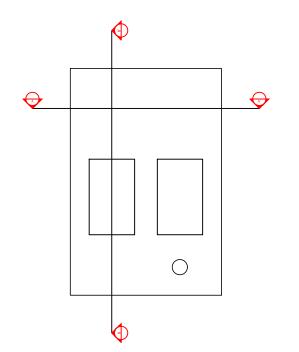
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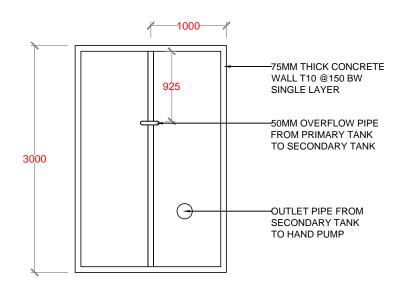
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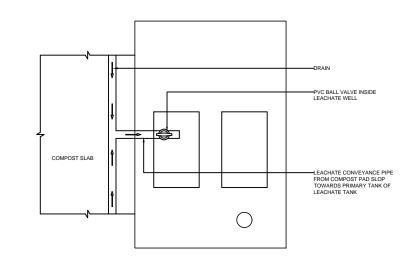
DATE :	APRIL 2017
SCALE :	1:20
PROJECT NO :	00088179

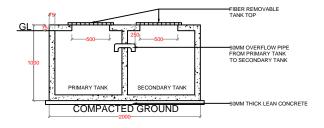


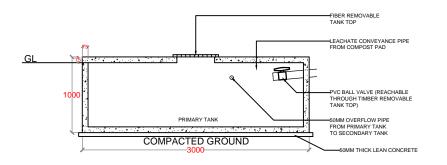












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G.SARAVANAN CONSULTANT-CIVIL ENGINEER

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FATHIMATH SHAFA-ATH ENGINEER- MEE

APPROVED BY:

AISHATH AZFA

PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



United Nations Development Programme

IMPLEMENTING PARTNER:



Ministry of
Environment and
Energy

PROGRAMME:



Climate Resilient Development

LECRED

Climate Resilient Development

Abyene Model in Grammari Model in the Community of the

Low Emission Climate Resilient Developmen

PROJECT NAME:

CONSTRUCTION &
UPGRADE OF IWMC FOR 10
ISLANDS IN LAAMU ATOLL

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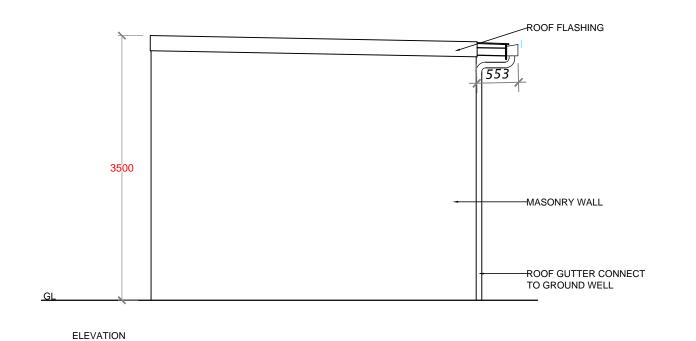
ISLAND WASTE MANAGEMENT CENTER

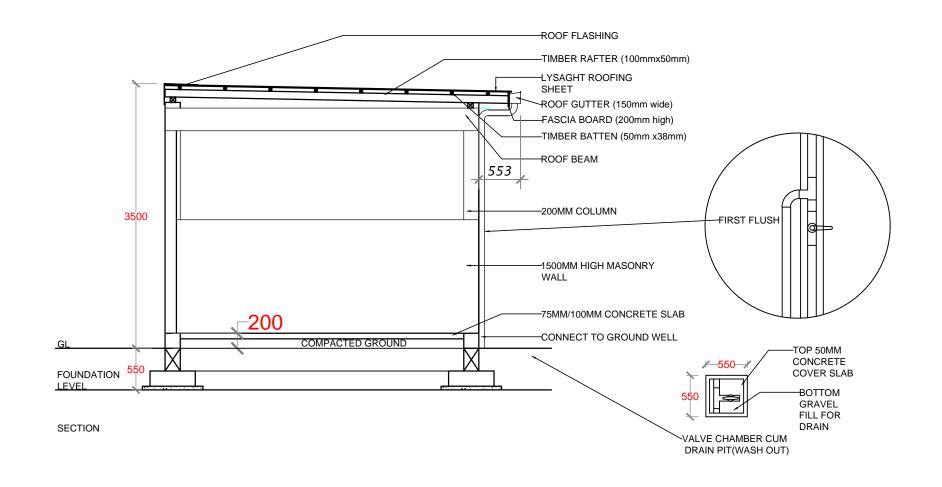
DRAWING NAME:

LEACHETE TANK

DRAWING NO:

DATE :	APRIL 2017
SCALE :	1:50
PROJECT NO :	00088179







G.SARAVANAN CONSULTANT-CIVIL ENGINEER

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FATHIMATH SHAFA-ATH ENGINEER- MEE

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AISHATH AZFA

PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



**United Nations** Development Programme

IMPLEMENTING PARTNER:



Ministry of Environment and Energy

PROGRAMME:



Climate Resilient LECRED A Programme funded to the Covernment of Section Section of Section 1 and Advanced in the US in Section 1 and Advanced in the US in Section 1 and Advanced in the US in Section 1 and Advanced in Section 1 and Section 1 an Low Emission Climate Resilient Develop

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CONSTRUCTION & UPGRADE OF IWMC FOR 10 ISLANDS IN LAAMU ATOLL

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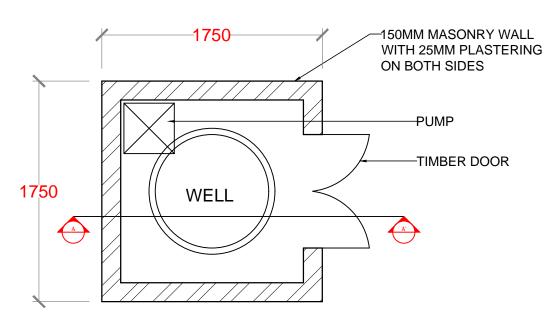
ISLAND WASTE MANAGEMENT CENTER

DRAWING NAME:

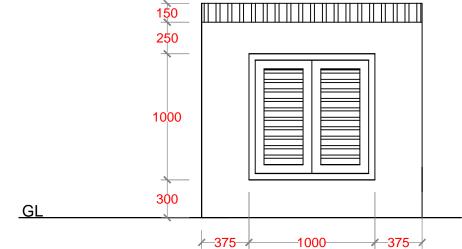
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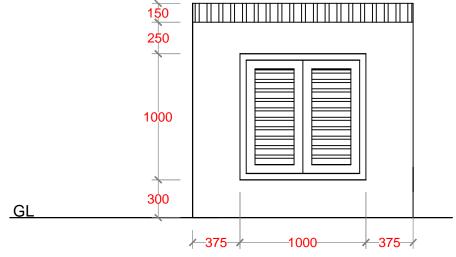
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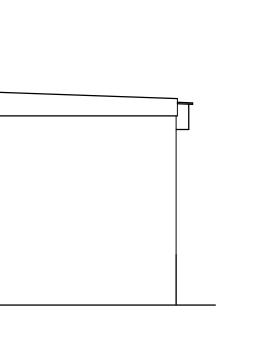
DATE :	APRIL 2017
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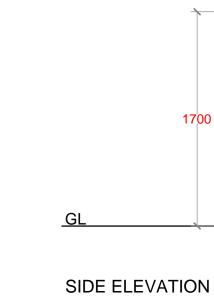


FRONT ELEVATION PUMP ROOM HUT PLAN





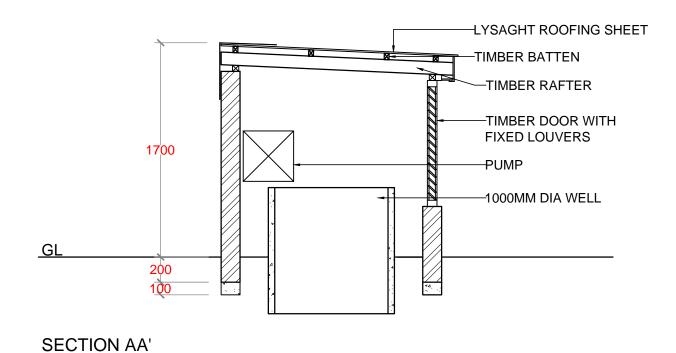


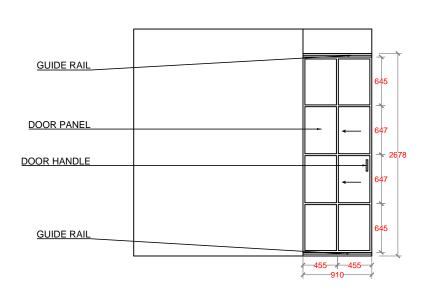


PREPARED BY: G.SARAVANAN CONSULTANT-CIVIL ENGINEER CHECKED BY: FATHIMATH SHAFA-ATH ENGINEER- MEE APPROVED BY: AISHATH AZFA PROJECT MANAGER-LECRED-UNDP IMPLEMENTING AGENCY: **United Nations** Development Programme IMPLEMENTING PARTNER: Ministry of Environment and Energy PROGRAMME: Low Emission Climate Resilient Develop PROJECT NAME: CONSTRUCTION & UPGRADE OF IWMC FOR 10 ISLANDS IN LAAMU ATOLL ISLAND NAME: LAAMU. LOCATION: ISLAND WASTE MANAGEMENT CENTER DRAWING NAME: PUMP ROOM HUT DETAILS DRAWING NO: 00088179/2017/IWMC/SD/007 DATE : APRIL 2017 SCALE: 1:30 PROJECT NO:

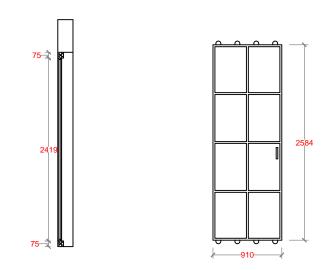
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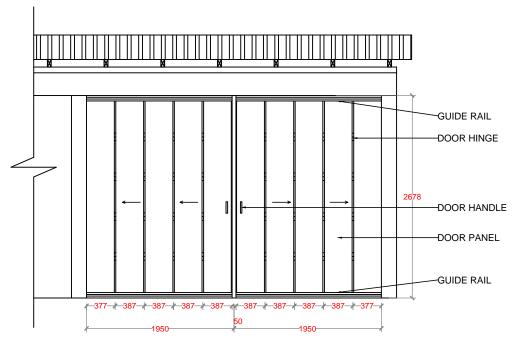
REVISION





HAZARDOUS ROOM - METAL SLIDING DOOR





EQUIPMENT ROOM - METAL SLIDING DOOR



G.SARAVANAN CONSULTANT-CIVIL ENGINEER

CHECKED BY:

FATHIMATH SHAFA-ATH ENGINEER- MEE

APPROVED BY:

AISHATH AZFA PROJECT MANAGER-LECRED-UNDP

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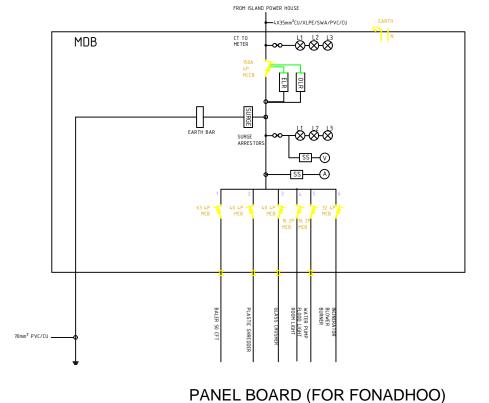
ISLAND WASTE MANAGEMENT CENTER

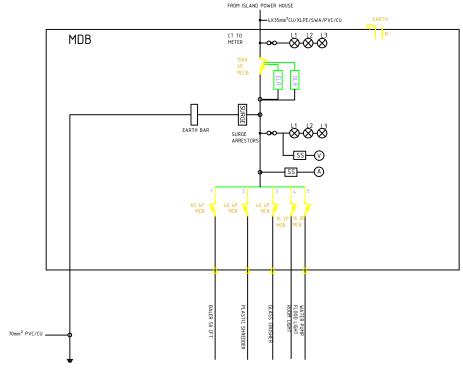
DRAWING NAME:

SLIDING DOOR DETAILS

DRAWING NO:

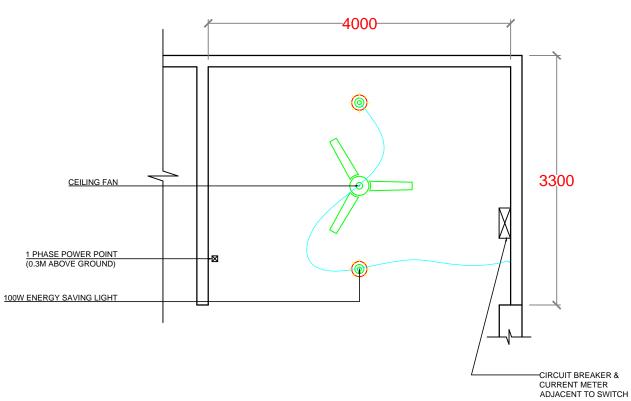
DATE :	APRIL 2017
SCALE :	1:50
PROJECT NO :	00088179





PANEL BOARD (FOR 9 ISLANDS)

### TANLE BOARD (FOR FORADITOO)



NO.	REVISION	DATE

PREPARED BY:

G.SARAVANAN CONSULTANT-CIVIL ENGINEER

CHECKED BY:

FATHIMATH SHAFA-ATH ENGINEER- MEE

APPROVED BY:

AISHATH AZFA

PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



United Nations Development Programme



Ministry of Environment and Energy

PROGRAMME:



Development

Anguer and all the foresterned of the first and the first a

Low Emission Climate Resilient Developme

PROJECT NAME:

CONSTRUCTION &
UPGRADE OF IWMC FOR 10
ISLANDS IN LAAMU ATOLL

ISLAND NAME:

LAAMU.

LOCATION:

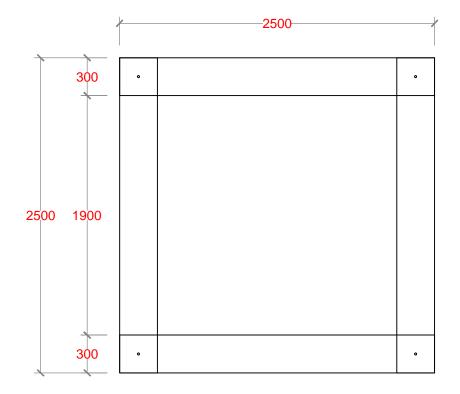
ISLAND WASTE MANAGEMENT CENTER

DRAWING NAME:

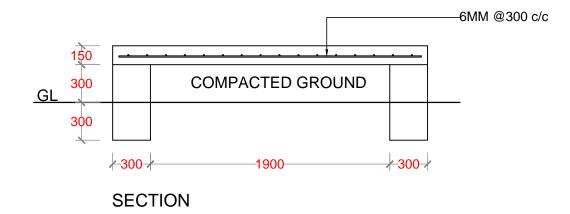
ELECTRICAL LAYOUT

DRAWING NO:

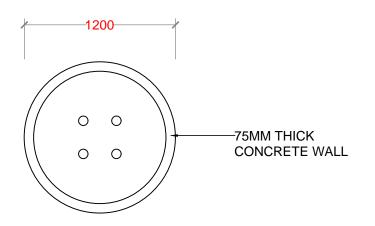
DATE :	APRIL 2017
SCALE :	1:50
PROJECT NO :	00088179



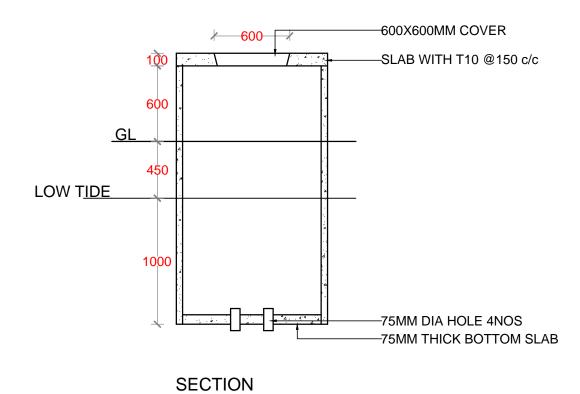
PLAN



RAINWATER TANK FOR 2500 Ltr



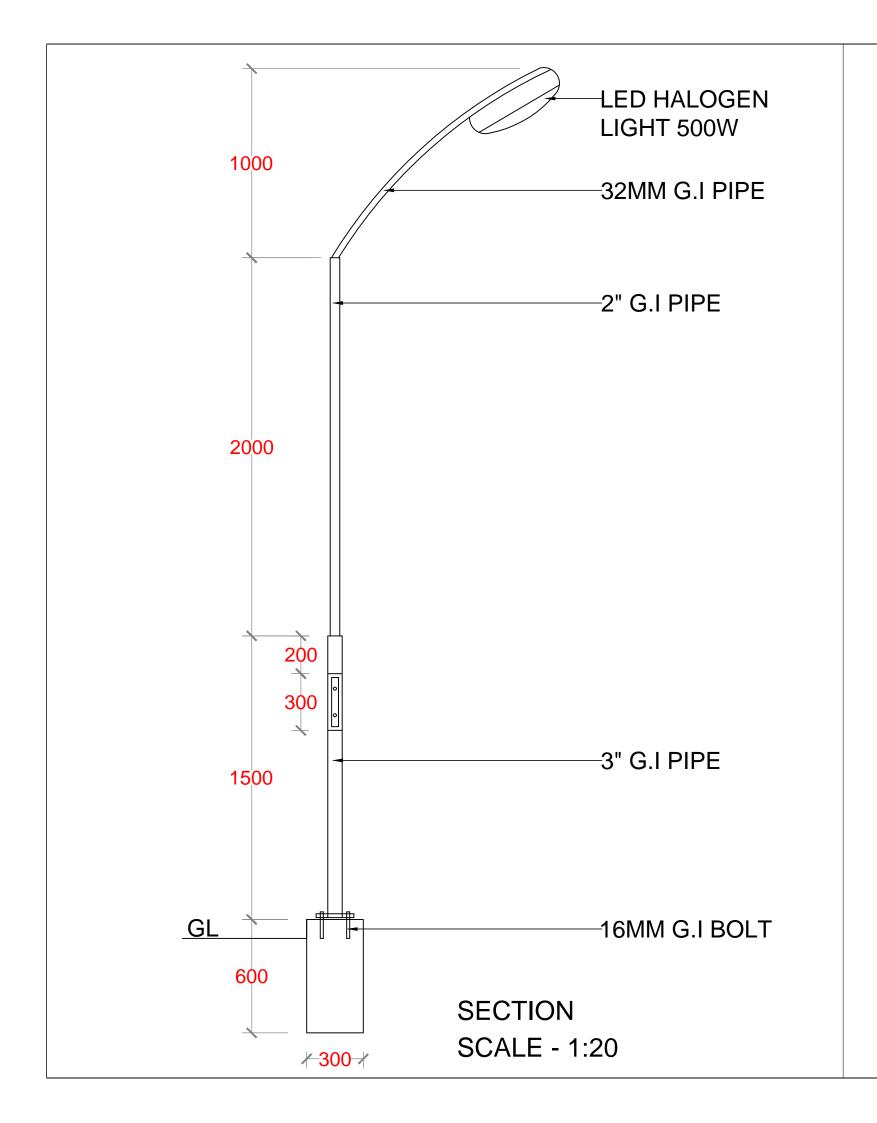
PLAN

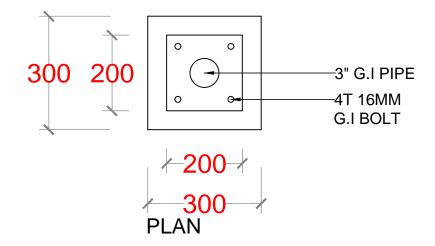


**GROUND WATER WELL** 

NO.	REVISIO	N	DATE	
PREPARED BY:				
G.SARAVANAN CONSULTANT-CIVIL ENGINEER				
CHECKED BY:				
FATHIMATH SHAFA-ATH ENGINEER- MEE				
APPROVED BY:				
AISHATH AZFA PROJECT MANAGER-LECRED-UNDP				
IMPLEMENTING AGENCY:				
U	United Nations Development			
IMPI	P Prog	ramme	:	
Ministry of Environment and Energy				
PROGRAMME:				
Low Emission Climate Resilient Development LECRED LECRED LOW Emission Climate Resilient Development				
	JECT NAME:	ON 0		
CONSTRUCTION & UPGRADE OF IWMC FOR 10 ISLANDS IN LAAMU ATOLL				
ISLAND NAME:				
LAAMU.				
LOCATION:				
ISLAND WASTE MANAGEMENT CENTER				
DRAWING NAME:				
GROUND WATER WELL & RAINWATER TANK DETAILS				
DRAWING NO:				
00088179/2017/IWMC/SD/010				
DAT	E :	APRIL 2	2017	
DAT	∟.	APKIL 2	2017	

SCALE:







G.SARAVANAN CONSULTANT-CIVIL ENGINEER

CHECKED BY:

FATHIMATH SHAFA-ATH ENGINEER- MEE

APPROVED BY:

AISHATH AZFA

PROJECT MANAGER-LECRED-UNDP

IMPLEMENTING AGENCY:



**United Nations** Development Programme



Ministry of **Environment and** Energy

PROGRAMME:



Low Emission Climate Resilient Develop

PROJECT NAME:

CONSTRUCTION & UPGRADE OF IWMC FOR 10 ISLANDS IN LAAMU ATOLL

ISLAND NAME:

LAAMU.

LOCATION:

ISLAND WASTE MANAGEMENT CENTER

DRAWING NAME:

FLOOD LIGHT DETAILS

DRAWING NO:

00088179/2017/IWMC/SD/011

DATE :	APRIL 2017	
SCALE:	AS SHOWN	

PROJECT NO:

