WASTE MANAGEMENT CENTER AT HDH.NAAVAIDHOO [ARCHITECTURAL, STRUCTURAL & MEP DRAWINGS]

PROJECT: CONSULTANCY SERVICES FOR PREPARATION OF DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14 ISLAND WASTE MANAGEMENT CENTERS

CLIENT: MINISTRY OF ENVIRONMENT

PREPARED BY:



VEGETATION LINE [65 FEET FROM SITE] - 30480 [100'] -ROAD [WIDTH 30 FEET] -30480 [1001]-PROPOSED WASTE MANAGEMENT CENTER AT HDH.NAAVAIDHOO GREEN PLOT AREA = 929.03 sq.m [10000 sqft] - 30480 [100'] -GREEN AREA WMC SITE REF. XX-00 SCALE : 1:200 (A3)

GENERAL NOTES:

- All dimensions shall be verified on site
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 DO NOT SCALE DRAWINGS. Work to found dimensions.
- figured dimensions.

 All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV.	DESCRIPTION	DATE



Charter Engineering Company Private Limited Second floor, M.Birninee, Male', Maldives Email: charter.engr@gmail.com, Mob: +(960) 782-9969

PHASE:

- ☐ CONCEPTUAL DESIGN☐ DESIGN DEVELOPMENT☐ DESIGN APPROVAL
- ☐ CONSTRUCTION DOCUMENTATION☐ AS-BUILT DRAWINGS

PROJECT:

CONSULTANCY SERVICES FOR THE ARCHITECTURAL DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14 ISLANDS WMC

CLIENT: — MINISTRY OF ENVIRONMENT

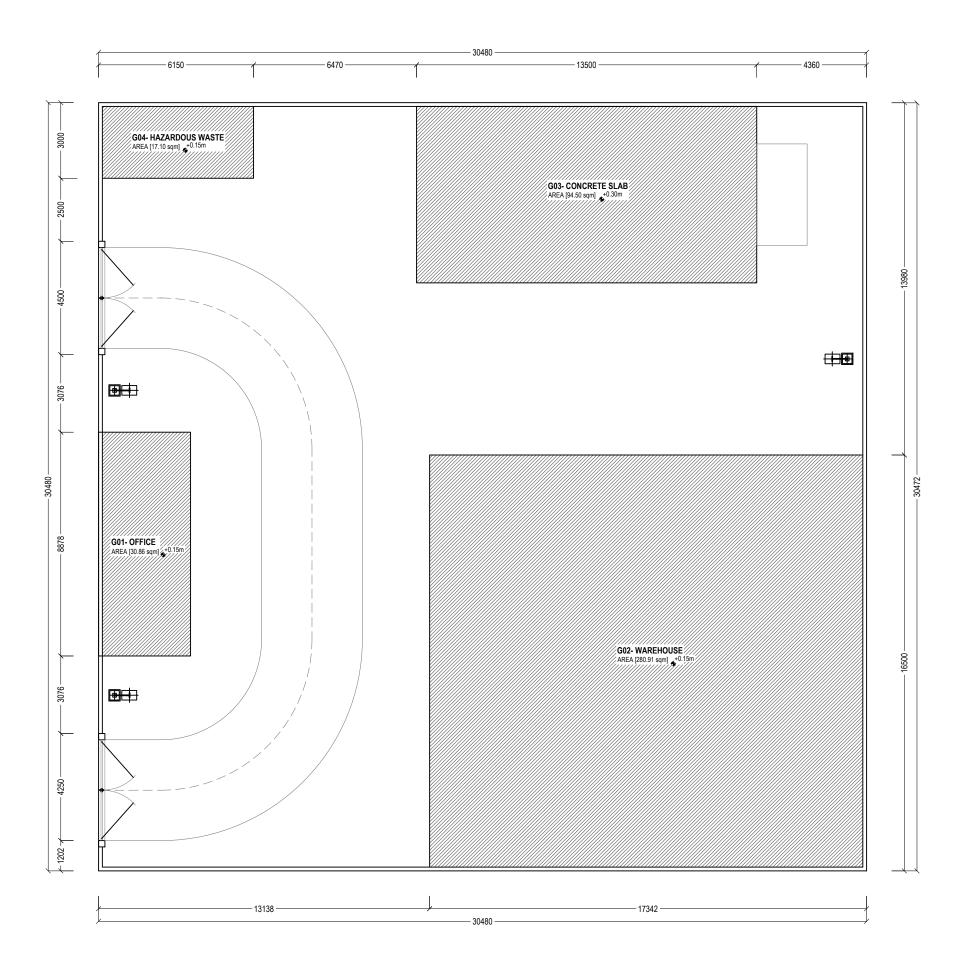
LOCATION: HDH.NAAVAIDHOO DISCIPLINE: ARCHITECTURAL

DRAWN BY: DESIGNED BY: CEC CHECKED BY: CEC DATE: SHEET SIZE: SCALE: Mar 22 1:200

REV.

0.00

DRAWING NO.





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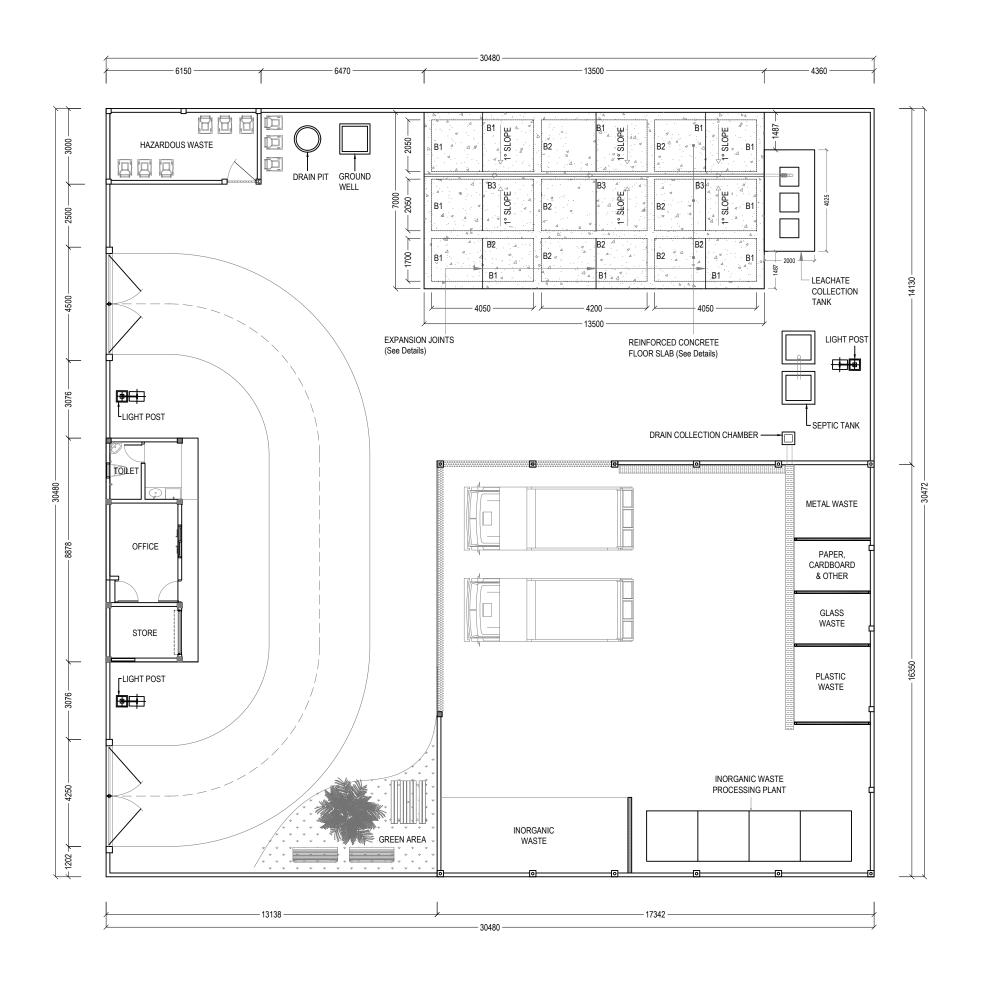
CLIENT: — MINISTRY OF ENVIRONMENT

LOCATION: HDH.NAAVAIDHOO DISCIPLINE: ARCHITECTURAL

DISCIPLINE: /	ARCHITECTU	KAL
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DESIGNED BY:	CEC	
CHECKED BY:	CEC	
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DISCIPLINE: /	ARCHITECTURAL
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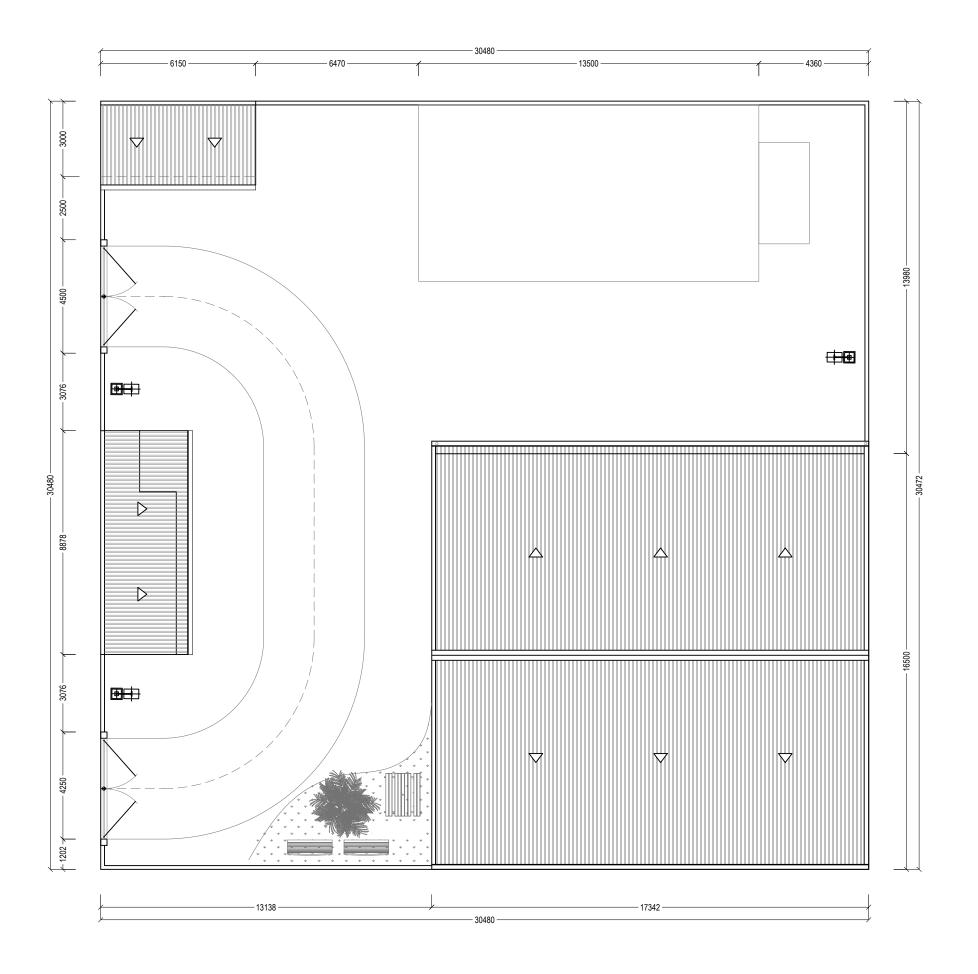
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Mar 22 DRAWING NO.

DATE:

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WMC SITE BUILDINGS ROOFING LAYOUT SCALE: 1:150 (A3)



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LOCATION: HE	H.NAAVAIDH	00
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REV.

DRAWING NO.

Mar 22



PLUMBING LEGEND

PLUMBING LEGEND		
SYMBOLS	LABEL	DESCRIPTION
P	W-01	WELL WATER PUMP
-140	W-02	FAUCET /TAP
	W-03	MUSLIM SHOWER
*	W-04	BALL VALVE
	WATER	R SUPPLY PIPE
	WASTE	WATER DISPOSAL PIPE
	RAINW	ATER CONVEYANCE PIPE

ALL PIPES LAID BELOW GROUND LEVEL

WMC SITE PLUMBING LAYOUT REF. XX-00 SCALE: 1:150 (A3)



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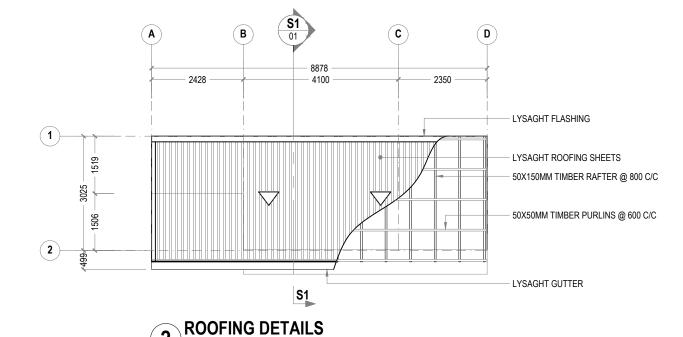
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REF. OFFICE BUILDING SCALE: 1:100 (A3)

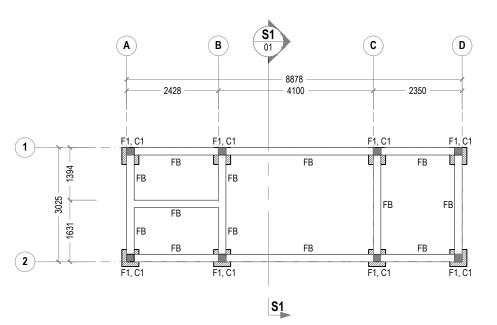
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SURFACE FINISH.



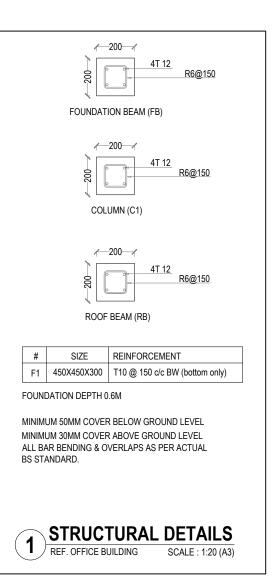
S1 A (B) (C) D 2428 2350 4100 1 (2) S1 **ROOF BEAM PLAN**

REF. OFFICE BUILDING SCALE : 1:100 (A3)



REF. OFFICE BUILDING SCALE : 1:100 (A3)

FOUNDATION PLAN REF. OFFICE BUILDING SCALE: 1:100 (A3)





GENERAL NOTES:

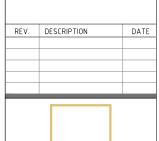
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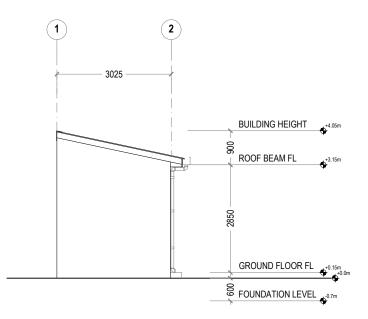
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LOCATION:	HDH.NAAVAIDHOO

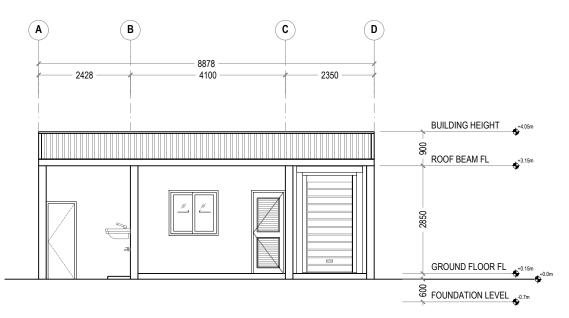
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Mar 22	1:100	A3

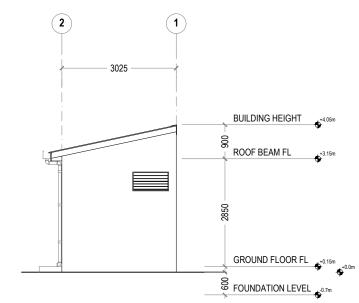
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DRAWING NO.







ELEVATION VIEW REF. OFFICE BUILDING SCALE: 1:100 (A3)

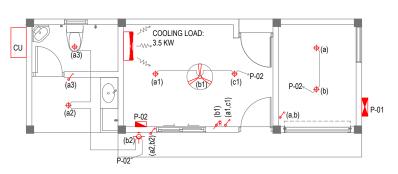
T FRONT VIEW REF. OFFICE BUILDING SCALE: 1:100 (A3)

REF. OFFICE BUILDING SCALE: 1:100 (A3)

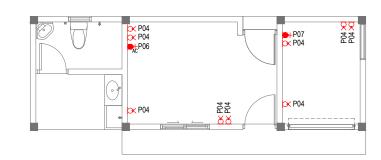
ELECTRICAL LEGEND

SYMBOLS	LABEL	DESCRIPTION
	L-01	DIA 1200MM CEILING FAN
+	L-02	1X 23W (DAY LIGHT) LED LIGHT IN RECESSED LUMINAIRE
	L-03	1X26W LED LIGHT IN SURFACE MOUNT WEATHER PROOF LUMINAIRE
	P-01	SUB MAIN DISTRIBUTION BOARD
	P-02	DISTRIBUTION BOARD
ø₹R	S-01	FAN/LIGHT DIMMER REGULATOR
6	S-02	1 GANG 1 WAY SWITCH, 1200mm FFL
5	S-03	2 GANG 1 WAY SWITCH, 1200mm FFL
4 × ×	L-04	AIR-CONDITIONING INDOOR UNIT WALL MOUNTED
CU	L-05	AIR-CONDITIONER OUTDOOR UNIT WALL MOUNTED

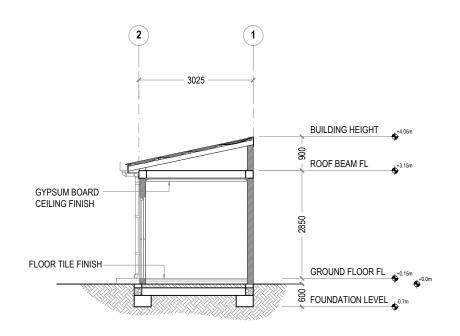
SYMBOLS	LABEL	DESCRIPTION
ĺ≪	P-04	13A SWITCHED TWIN SOCKET, 300mm FFL
▶ +AC	P-06	15A SWITCHED SOCKET, 2400mm FFL
- +	P-07	3 PHASE, 15A SWITCHED SOCKET, 1200mm FFL
WP W	ATER PROC	DF
AC A	IR-CONDITION	ONER



5 LIGHTING PLAN
REF. OFFICE BUILDING SCALE: 1:100 (A3)



6 POWER PLAN
REF. OFFICE BUILDING SCALE: 1:100 (A3)



SECTIONAL VIEW

REF. OFFICE BUILDING SCALE: 1:100 (A3)

REV.	DESCRIPTION	DATE

GENERAL NOTES:

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PROJECT:

CONSULTANCY SERVICES FOR THE ARCHITECTURAL DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14 ISLANDS WMC

CLIENT: MINISTRY OF ENVIRONMENT
LOCATION: HDH.NAAVAIDHOO
DISCIPLINE: ARCHITECTURAL

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY: CEC

CHECKED BY: CEC

DATE: SCALE: SHEET SIZE:

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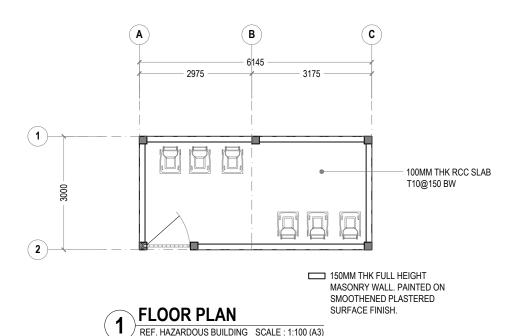
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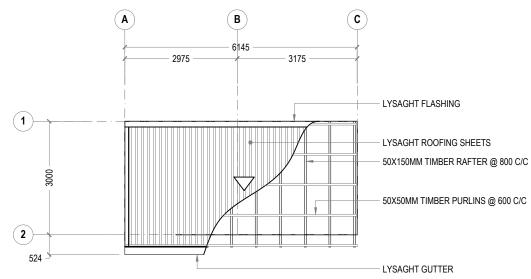
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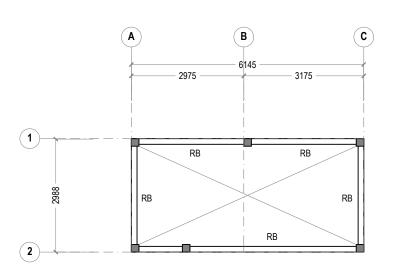
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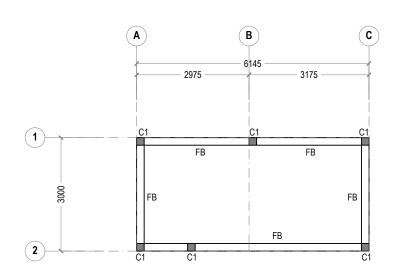
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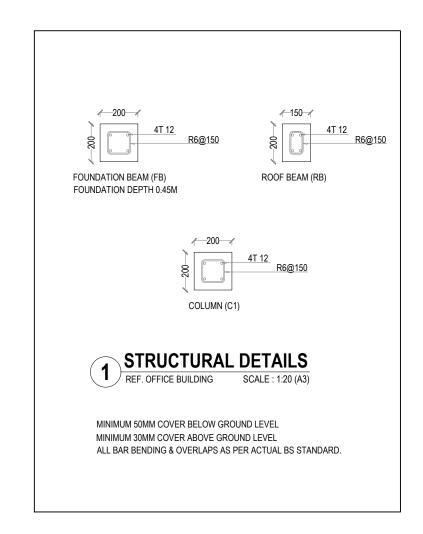


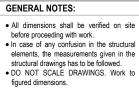


ROOF PLAN

REF. HAZARDOUS BUILDING SCALE: 1:100 (A3)

FOUNDATION PLAN REF. HAZARDOUS BUILDING SCALE : 1:100 (A3)





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☐ CONSTRUCTION DOCUMENTATION ☐ AS-BUILT DRAWINGS

PROJECT:

CONSULTANCY SERVICES FOR THE ARCHITECTURAL DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14

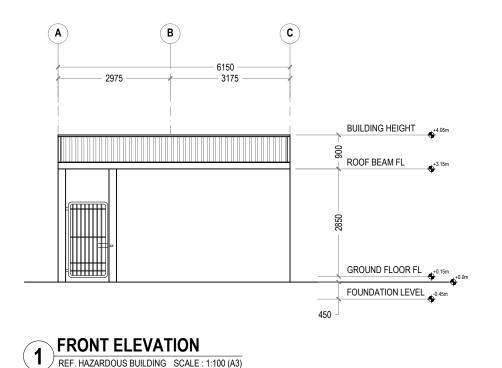
CLIENT: - MINISTRY OF ENVIRONMENT

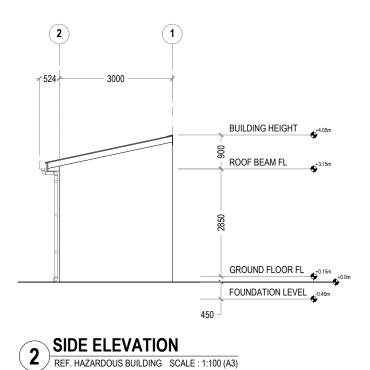
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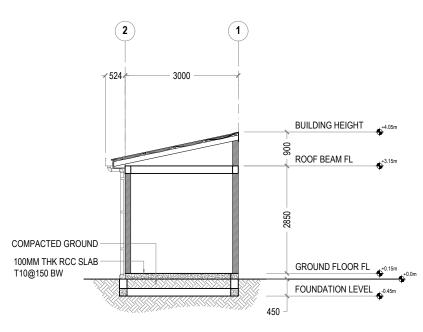
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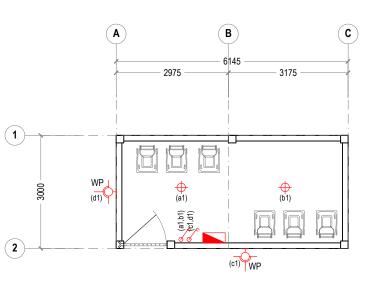




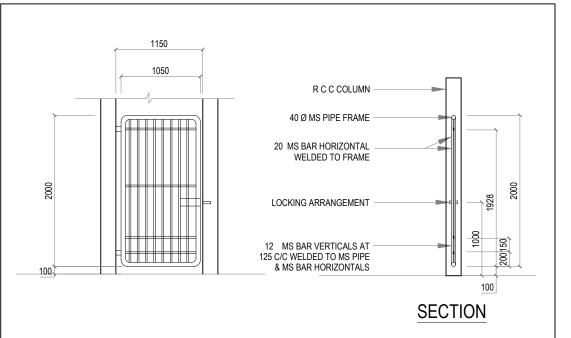
SECTIONAL VIEW REF. HAZARDOUS BUILDING SCALE: 1:100 (A3)

ELECTRICAL LEGEND

SYMBOLS	LABEL	DESCRIPTION
	P-02	DISTRIBUTION BOARD
+	L-02	1X 23W (DAY LIGHT) LED LIGHT IN RECESSED LUMINAIRE
	L-03	1X26W LED LIGHT IN SURFACE MOUNT WEATHER PROOF LUMINAIRE
	S-03	2 GANG 1 WAY SWITCH, 1200mm FFL
WP WATER PROOF		



LIGHTING PLAN REF. HAZARDOUS BUILDING SCALE : 1:100 (A3)



GATE DETAILS REF. HAZARDOUS BUILDING SCALE: 1:100 (A3)

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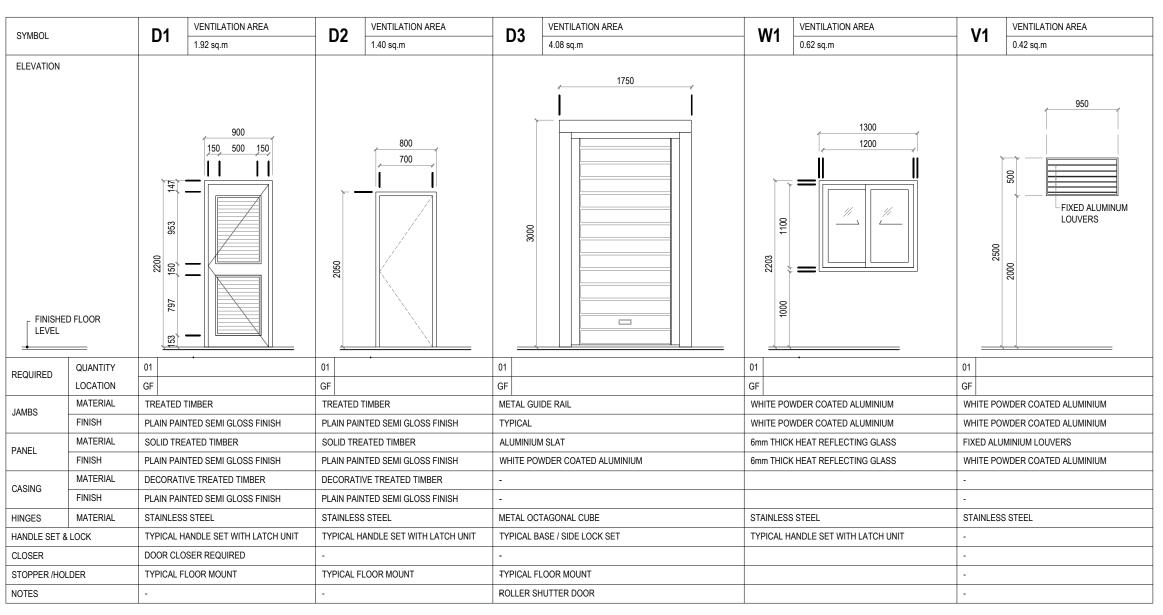
CONSULTANCY SERVICES FOR THE ARCHITECTURAL DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14 ISLANDS WMC

CLIENT:	MINISTRY OF ENVIRONMENT
LOCATION:	HDH.NAAVAIDHOO
DISCIPLINE:	ARCHITECTURAL

DISCIPLINE: ARCHITECTURAL			
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- ALL MEASUREMENTS TO BE CHECKED ON SITE BEFORE FABRICATION
- ALL ALUMINUM SHALL BE 60-80 MICRON POWER COATED METAL GRAY.
- PROVIDE RC LINTELS TO ALL UNITS NOT FIXED TO BEAMS AT TOP.
- SHOP DRAWINGS AND TECHNICAL SPECIFICATIONS FOR ALL ALUMINUM DOORS AND WINDOWS SHOWING DETAILS OF SECTIONS, ASSEMBLY, TYPE OF LOCKS, HINGES, BOLTS AND HANDLES SHOULD BE SUBMITTED BY THE CONTRACTOR FOR THE APPROVAL.
- FOR DOORS SEE SWINGS INDICATED ON FLOOR PLANS.
- ALL EXTERNAL UNITS MUST COMPLY THE FOLLOWING;
- WIND PRESSURE: 200 kg/sqm
- WATER TIGHTNESS: 25kg/sqm

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CLIENT: - MINISTRY OF ENVIRONMENT

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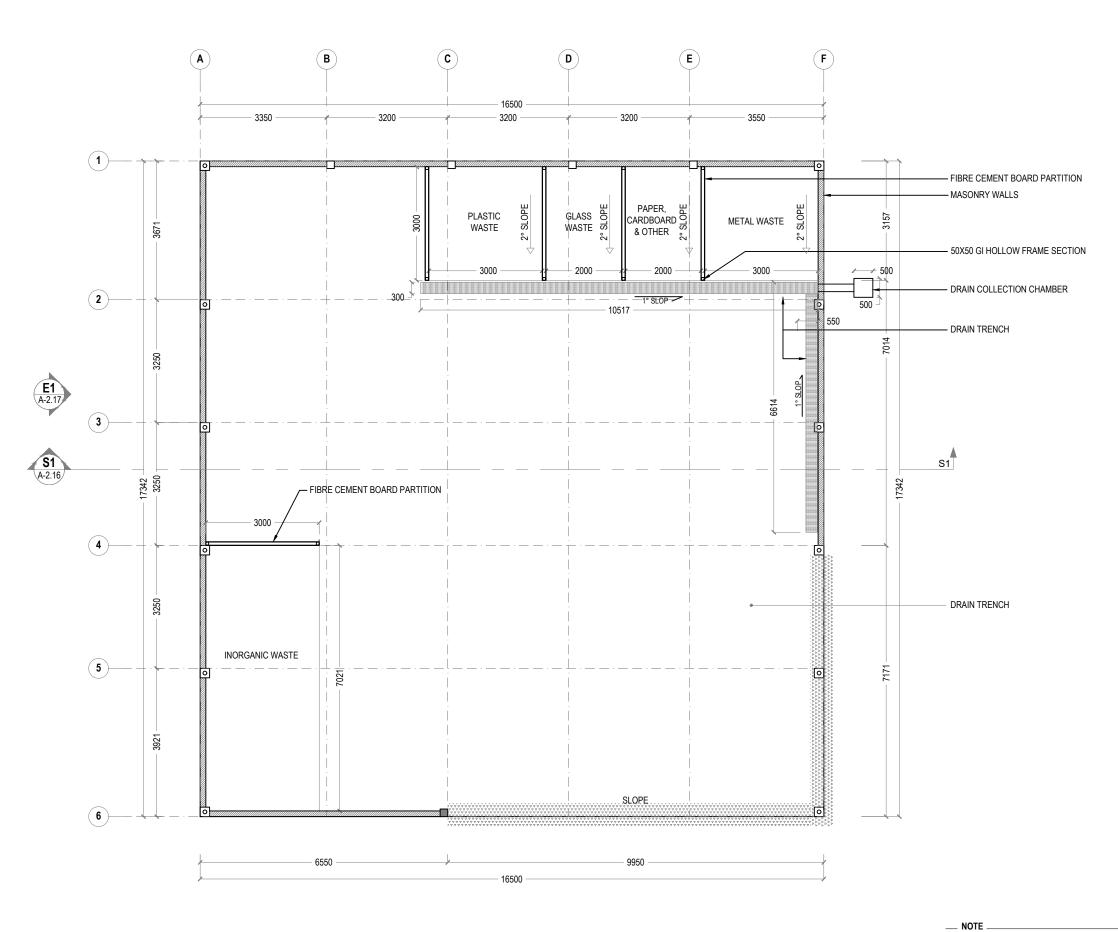
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Mar 22 DRAWING NO.

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WAREHOUSE FLOOR PLAN

SCALE: 1:100 (A3)

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CLIENT: - MINISTRY OF ENVIRONMENT

LOCATION: HI	OH.NAAVAIDHOO
DISCIPLINE:	ARCHITECTURAL
DRAWN BY:	ISMAIL
DESIGNED BY:	CEC

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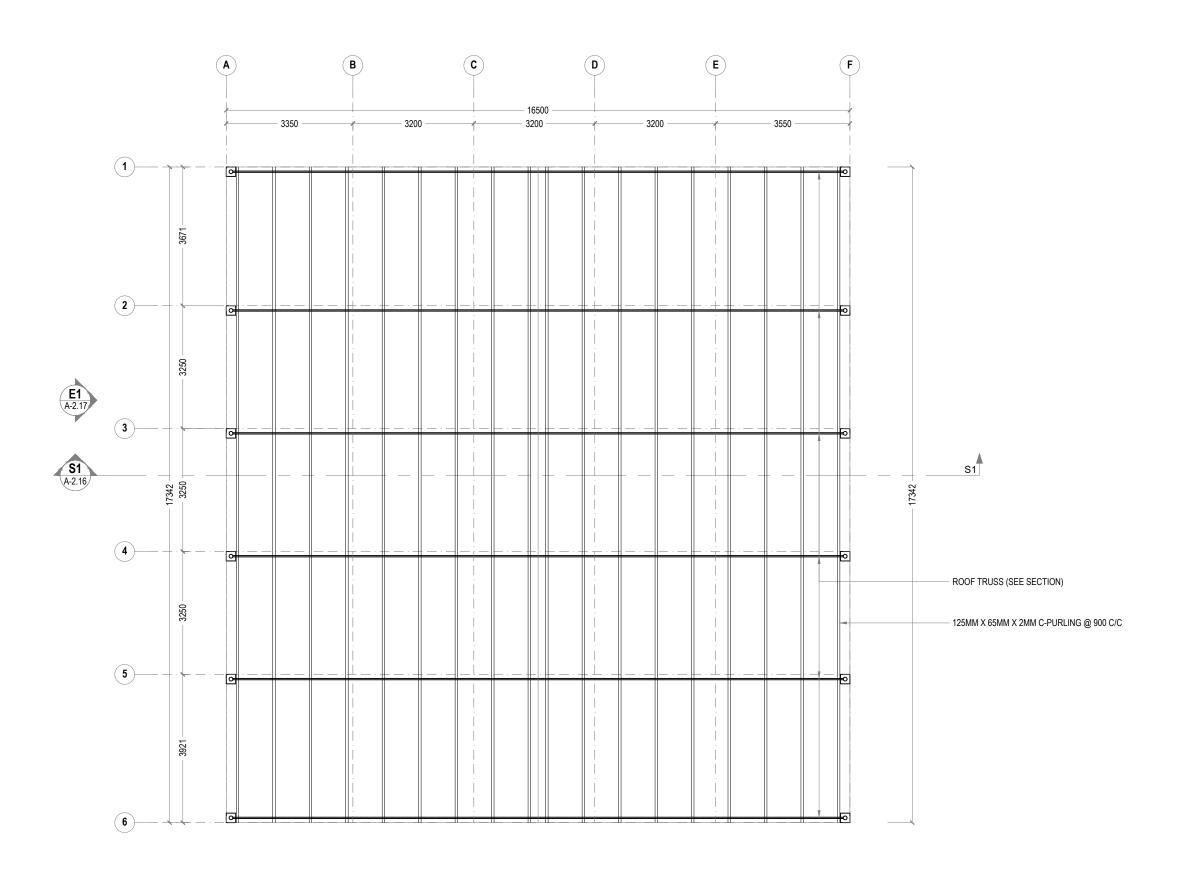
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MASONRY WALLS UP TO ROOF BEAM LEVEL

100mm THK. 2500mm HEIGHT DRY PARTITION WALL PAINTED FINISH ON FIBRE CEMENT BOARDS FIXED AT 75x75 GI RECTANGULAR HOLLOW SECTION FRAMES



WAREHOUSE ROOF FRAMING 1) REF. XX-00 SCALE: 1:100 (A3) GENERAL NOTES:

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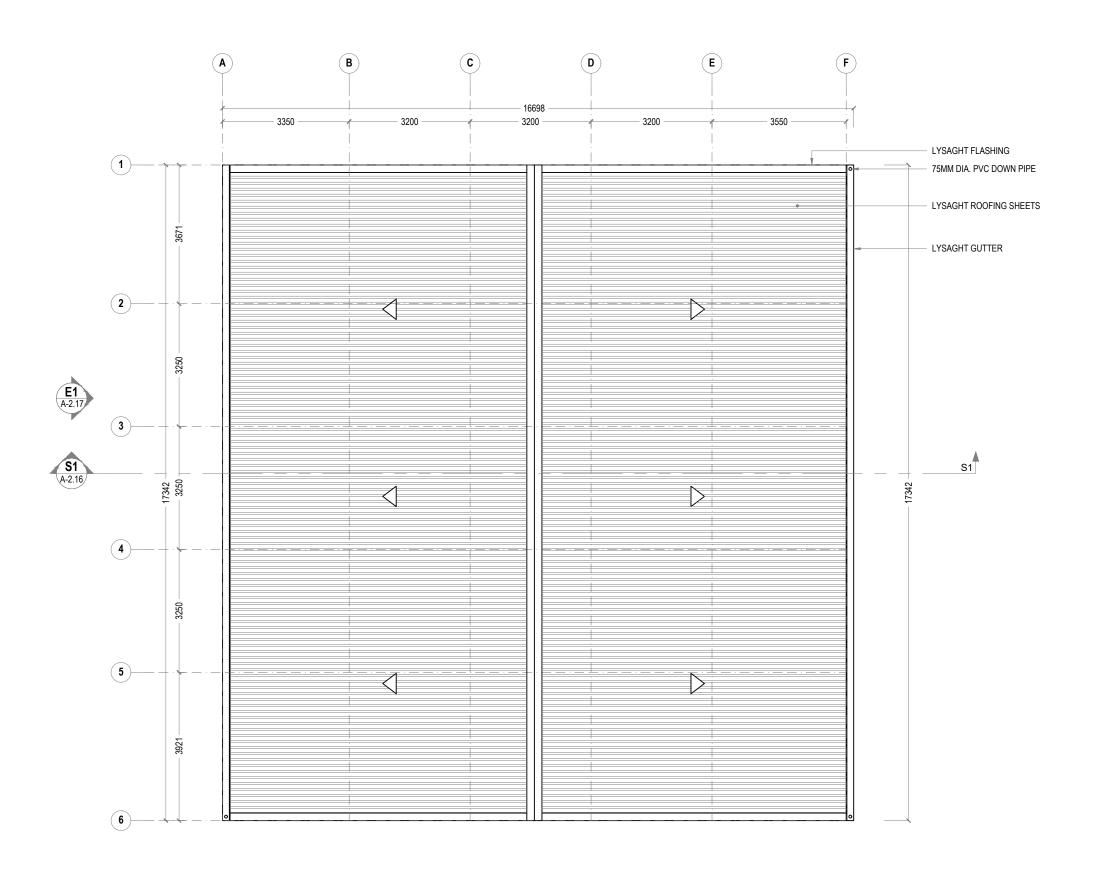
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DISCIPLINE:	ARCHITECTURAL
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DESIGNED BY:	CEC

CHECKED BY: CEC DATE: SHEET SIZE: SCALE: Mar 22 1:100

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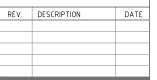
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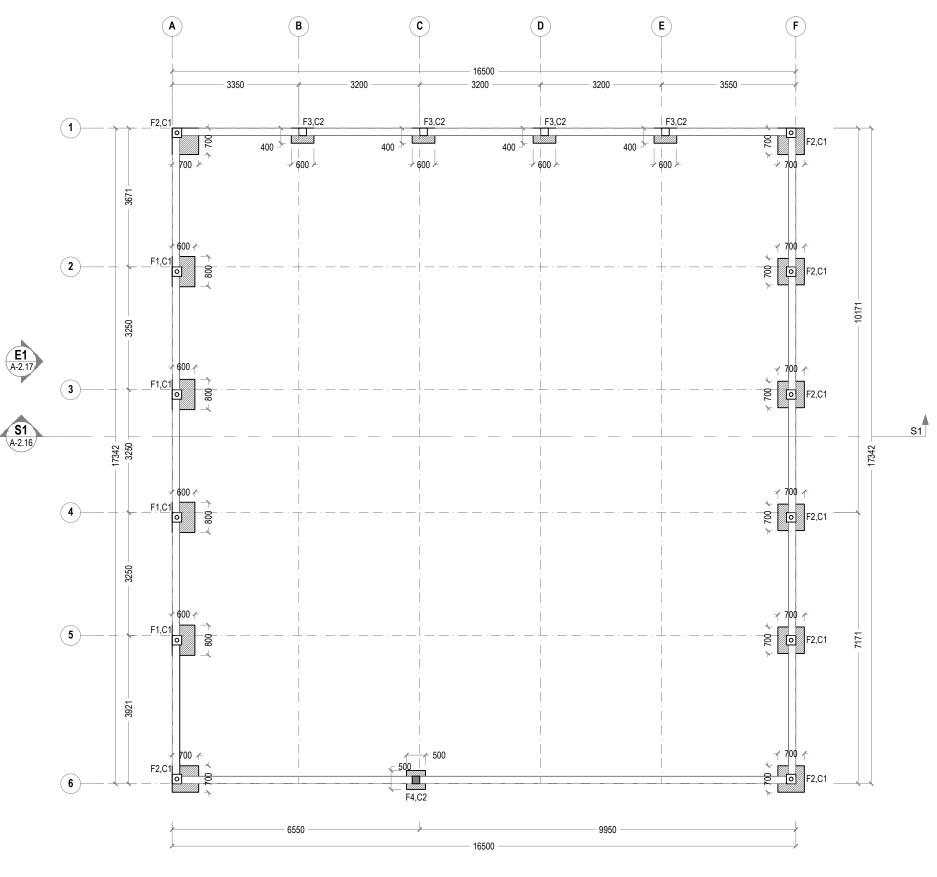
LOCATION:	HDH.NAAVAIDHOO
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DRAWN BY:	ISMAIL

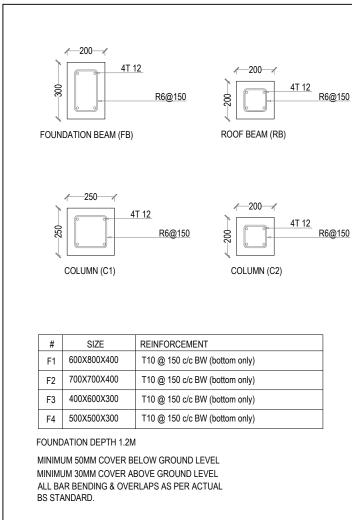
DESIGNED BY: CEC CHECKED BY: CEC DATE: SHEET SIZE: SCALE: Mar 22 1:100

DRAWING NO.

A-1.13

REV.





1 STRUCTURAL DETAILS
REF. WAREHOUSE SCALE : 1:20 (A3)

FOUNDATION PLAN
REF. XX-00 SCALE: 1:100 (A3)

□ 200 X 200MM RCC COLUMN (C2)

200 X 300 RCC BEAM (FB)

0 100 200

GENERAL NOTES:

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- figured dimensions.

 All the dimensions given in mm, unless specified otherwise.

KEY PLAN:

REV. DESCRIPTION DATE



Charter Engineering Company Private Limited Second floor, M.Birninee, Male', Maldives Email: charter.engr@gmail.com, Mob: +(960) 782-9969

PHASE:

- CONCEPTUAL DESIGN
- □ DESIGN DEVELOPMENT■ DESIGN APPROVAL
- ☐ CONSTRUCTION DOCUMENTATION ☐ AS-BUILT DRAWINGS

PROJECT:

CONSULTANCY SERVICES FOR THE ARCHITECTURAL DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14 ISLANDS WMC

CLIENT: MINISTRY OF ENVIRONMENT
LOCATION: HDH.NAAVAIDHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY: CEC

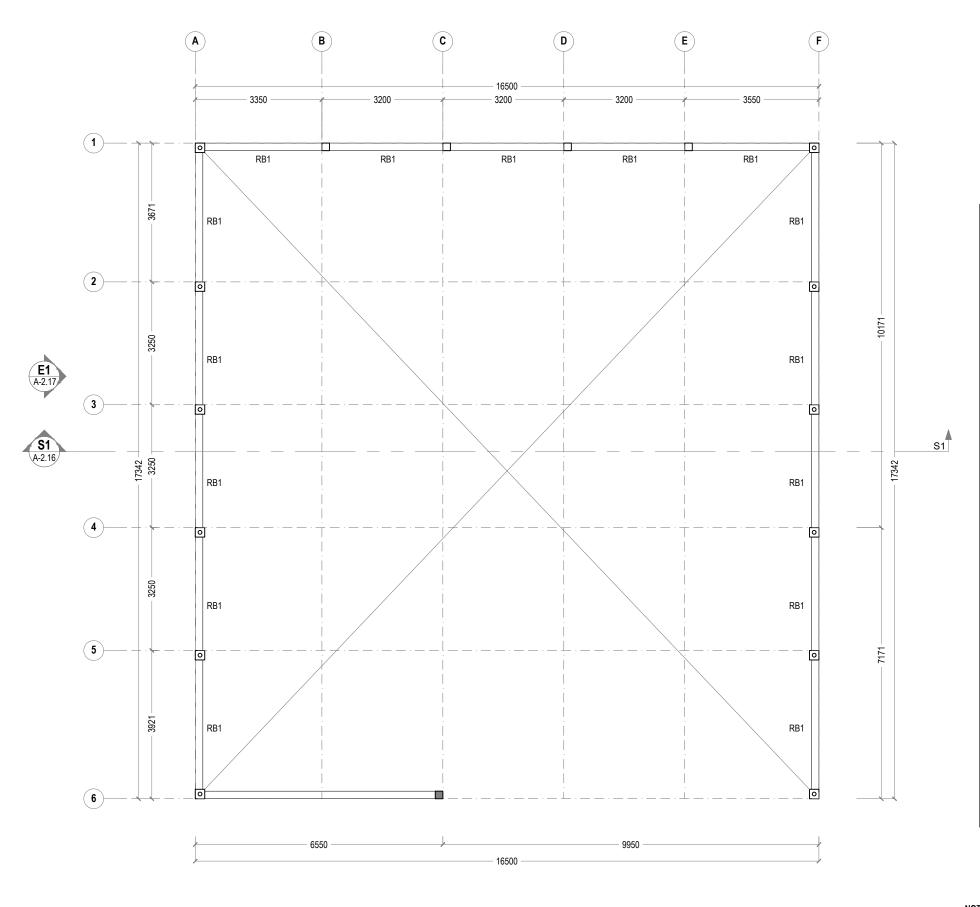
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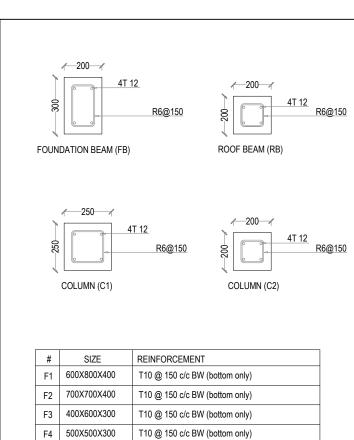
DATE: SCALE: SHEET SIZE:
Mar 22 1:100 A3

REV.

0.00

DRAWING NO.





ROOF BEAM PLAN
REF. XX-00 SCALE : 1:100 (A3)

FOUNDATION DEPTH 1.2M

BS STANDARD.

MINIMUM 50MM COVER BELOW GROUND LEVEL MINIMUM 30MM COVER ABOVE GROUND LEVEL

ALL BAR BENDING & OVERLAPS AS PER ACTUAL

1 STRUCTURAL DETAILS
REF. WAREHOUSE SCALE : 1:20 (A3)

GENERAL NOTES:

specified otherwise.

KEY PLAN:

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Second floor, M.Birninee, Male', Maldives
Email: charter.engr@gmail.com, Mob: +(960) 782-9969

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CLIENT: MINISTRY OF ENVIRONMENT

LOCATION: HDH.NAAVAIDHOO

DISCIPLINE: ARCHITECTURAL

DRAWN BY: ISMAIL

DESIGNED BY: CEC

CHECKED BY: CEC

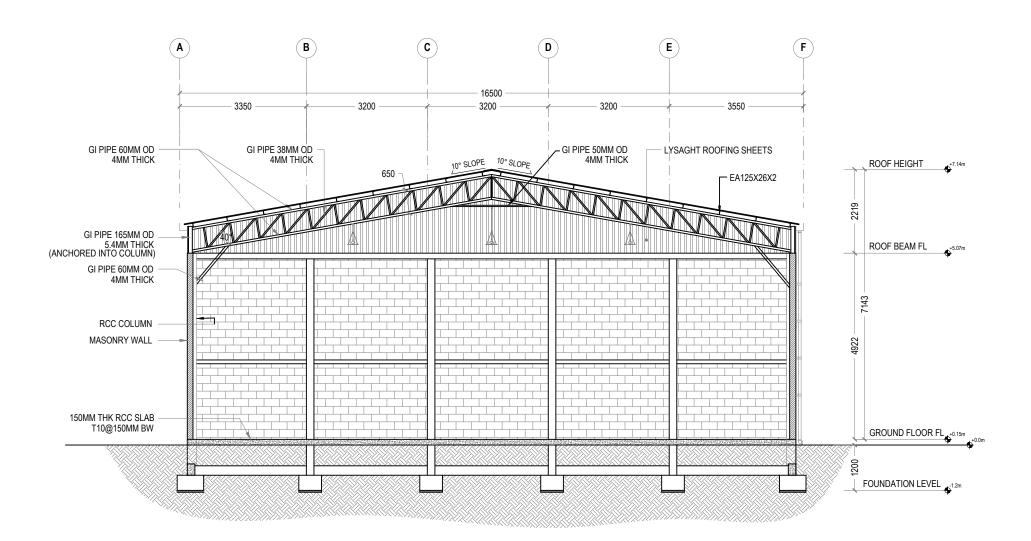
DATE: SCALE: SHEET SIZE:

Mar 22 1:100 A3

REV.

0.00

DRAWING NO.



1 S1 | SECTIONAL VIEW OF WAREHOUSE REF. XX-00 SCALE : 1:100 (A3)

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CONSULTANCY SERVICES FOR THE ARCHITECTURAL DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14 ISLANDS WMC

CLIENT: - MINISTRY OF ENVIRONMENT

LOCATION: HE	DH.NAAVAI	DHOO
DISCIPLINE: ARCHITECTURAL		
DRAWN BY:	ISMAIL	
DESIGNED BY:	CEC	
CHECKED BY:	CEC	
DATE:	SCALE:	SHEET SIZE:
Mar 22	1:100	A3

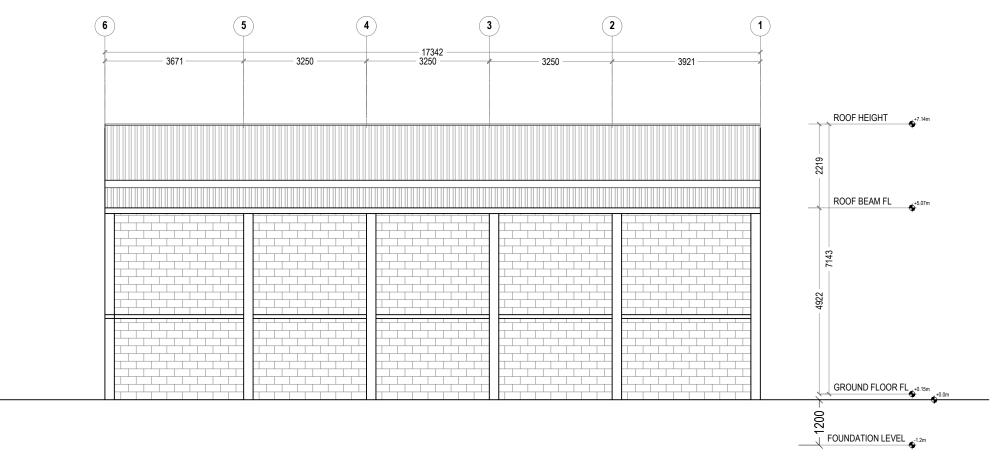
DRAWING NO.

A-2.16

REV.

0.00

0 100 200



1 E1 | ELEVATION VIEW OF WAREHOUSE REF. XX-00 SCALE : 1:100 (A3)

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PHASE:

- ☐ CONCEPTUAL DESIGN
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 ☐ DESIGN APPROVAL
- ☐ CONSTRUCTION DOCUMENTATION☐ AS-BUILT DRAWINGS

PROJECT:

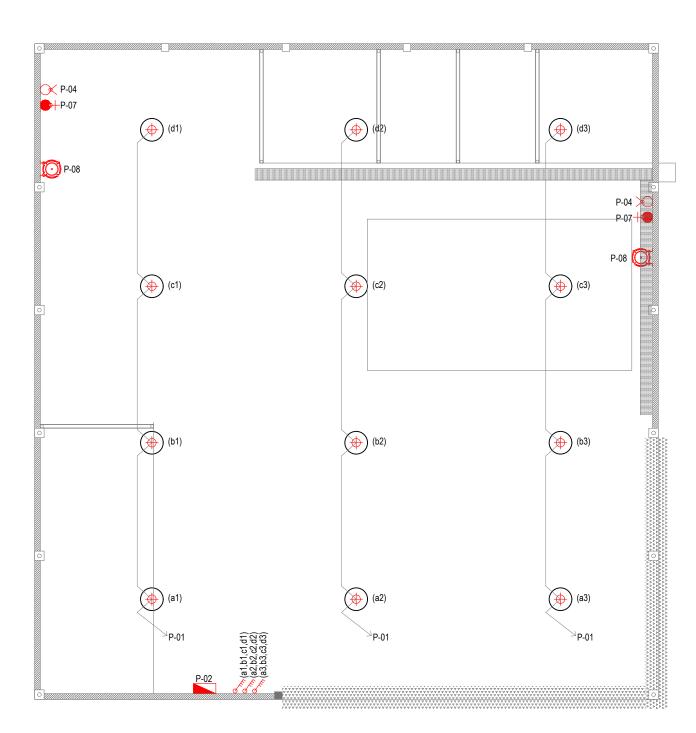
CONSULTANCY SERVICES FOR THE ARCHITECTURAL DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14 ISLANDS WMC

CLIENT: — MINISTRY OF ENVIRONMENT

LOCATION: HE	DH.NAAVAID	HOO
DISCIPLINE: /	ARCHITECT	URAL
DRAWN BY:	ISMAIL	
DESIGNED BY:	CEC	
CHECKED BY:	CEC	
DATE:	SCALE:	SHEET SIZE
Mar 22	1:100	A3

A-2.17

REV.



FLECTRICAL LEGEND

ELECTRICAL LEGEND					
SYMBOLS LABEL		DESCRIPTION			
\bigoplus	L-04	1X100W LED HIGH BAY UFO LIGHT 15000 LUMENS 6000K COOL WHITE			
	P-02	DISTRIBUTION BOARD			
S. King	S-04	4 GANG 1 WAY SWITCH, 1200mm FFL			
Ø	P-08	RETRACTABLE CEILING MOUNT EXTENSION CORD			
\bigotimes	P-04	13A SWITCHED TWIN SOCKET, 1200mm FFL			
+	P-07	3 PHASE, 15A SWITCHED SOCKET, 1200mm FFL			

WAREHOUSE LIGHTING PLAN 1) REF. XX-00 SCALE: 1:100 (A3)

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REV.	DESCRIPTION	DATE



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CLIENT: — MINISTRY OF ENVIRONMENT

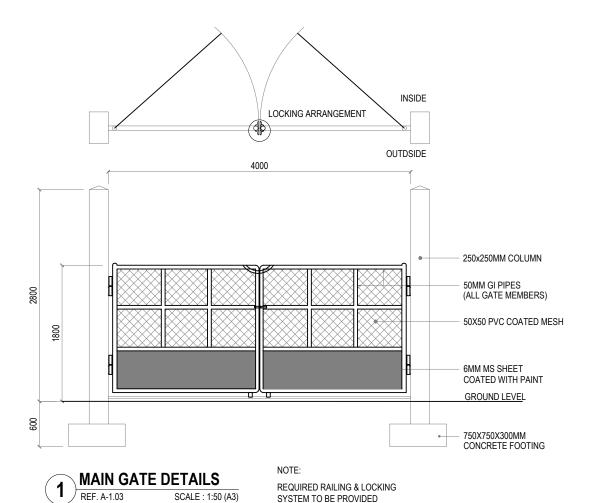
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ARCHITECTURAL	

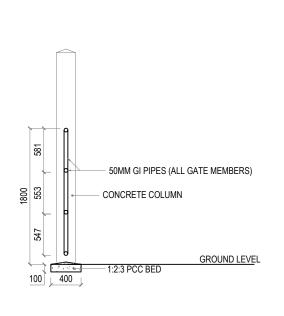
DRAWN BY:	ISMAIL	
DESIGNED BY:	CEC	
CHECKED BY:	CEC	
DATE:	SCALE:	SHEET SIZE:
Mar 22	1:100	A3

REV.

0.00



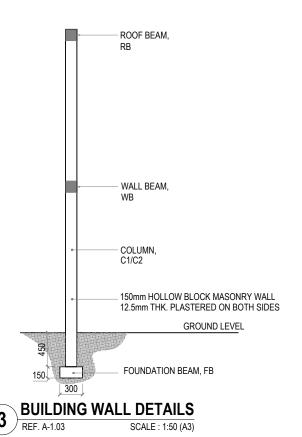


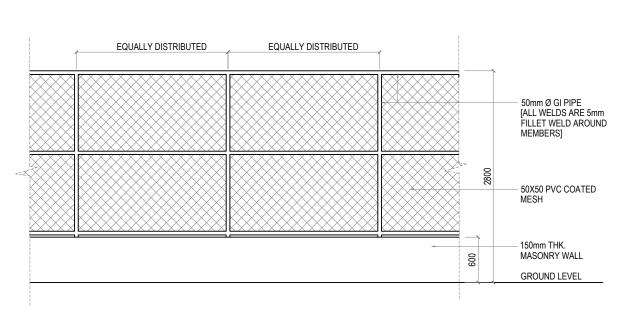


MAIN GATE SECTIONAL DETAILS

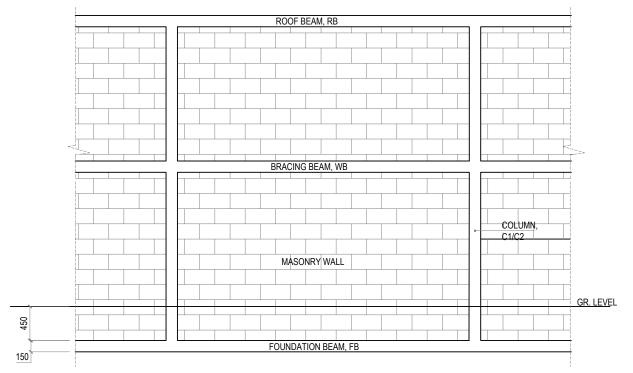
SCALE: 1:50 (A3)

REF. A-1.03





PERIMETER FENCE WALL DETAILS SCALE: 1:50 (A3) ALL WELDS FOR THE GI MEMBERS ARE 5mm FILLET WELDS







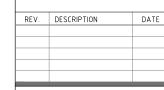
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PHASE:

- ☐ CONCEPTUAL DESIGN☐ DESIGN DEVELOPMENT
- DESIGN APPROVAL ☐ CONSTRUCTION DOCUMENTATION
- ☐ AS-BUILT DRAWINGS

PROJECT:

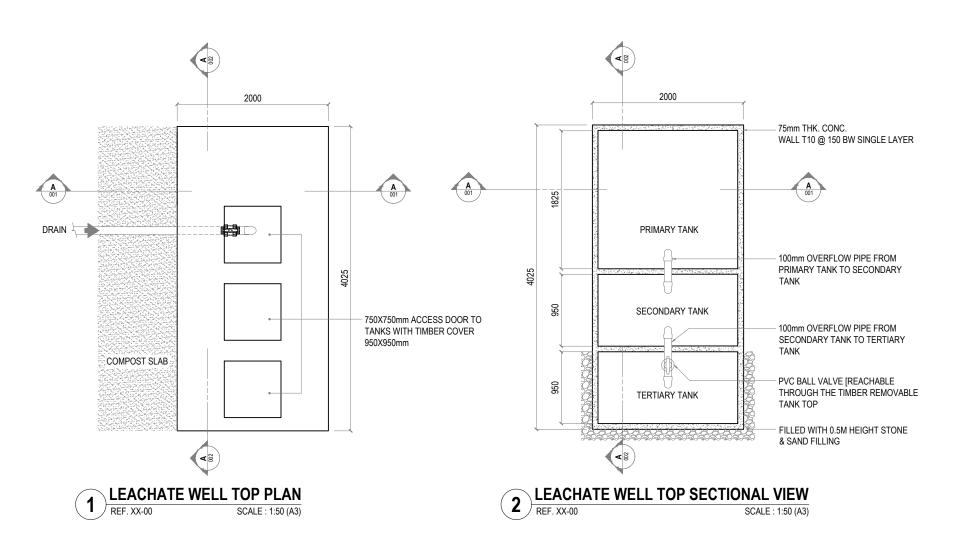
CONSULTANCY SERVICES FOR THE ARCHITECTURAL DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14 ISLANDS WMC

CLIENT: - MINISTRY OF ENVIRONMENT LOCATION: HDH.NAAVAIDHOO

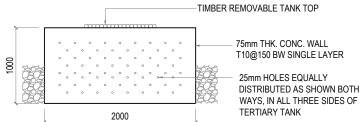
DISCIPLINE: [DETAILS	
DRAWN BY:	ISMAIL	
DESIGNED BY:	CEC	
CHECKED BY:	CEC	
DATE:	SCALE:	SHEET SIZE:
Mar 22	1:50	A3

A-5.19

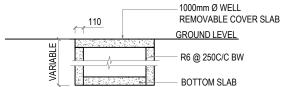
REV.



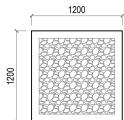
100mm OVERFLOW PIPE FROM



TERTIARY TANK SIDE VIEW



GROUND WATER WELL REF. XX-00





1200 GROUND LEVEL 25MM DIA HOLES EQUALLY DISTRIBUTED ON ALL SIDES

RAINWATER DRAIN PIT: SIDE VIEW REF. XX-00 SCALE: 1:50 (A3)

100MM THICK RCC TOP COVER GROUND LEVEL 100MM THICK MASONRY WALL -GRAVEL

RAINWATER DRAIN PIT: SECTION VIEW REF. XX-00 SCALE: 1:50 (A3)



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REV. DESCRIPTION

DATE

PHASE:

- ☐ CONCEPTUAL DESIGN ☐ DESIGN DEVELOPMENT
- DESIGN APPROVAL $\ \ \square$ CONSTRUCTION DOCUMENTATION ☐ AS-BUILT DRAWINGS

PROJECT:

DATE:

Mar 22

CONSULTANCY SERVICES FOR THE ARCHITECTURAL DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14

CLIENT: - MINISTRY OF ENVIRONMENT LOCATION: HDH.NAAVAIDHOO DISCIPLINE: DETAILS DRAWN BY: ISMAIL DESIGNED BY: CEC CHECKED BY: CEC

SCALE:

1:50

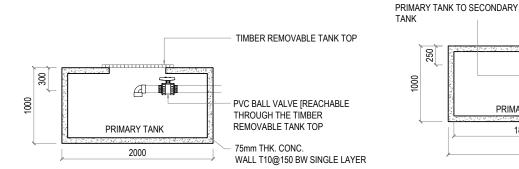
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REV.

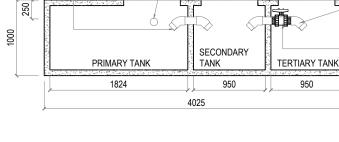
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DRAWING NO.

A-5.20



SECTION: A-002 REF. LEACHATE WELL SCALE: 1:50 (A3)



750

50mm OVERFLOW PIPE FROM

TANK

PRIMARY TANK TO SECONDARY

75mm THK. CONC.

TERTIARY TANK

WALL T10@150 BW SINGLE LAYER

TIMBER REMOVABLE TANK TOP

100mm OVERFLOW PIPE

THROUGH THE TIMBER

REMOVABLE TANK TOP

STONE & SAND FILLING

FROM SECONDARY TANK TO

PVC BALL VALVE [REACHABLE

FILLED WITH 500mm HEIGHT

SECTION: A-001 REF. LEACHATE WELL SCALE: 1:50 (A3)

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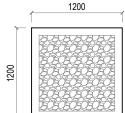
• In case of any confusion in the structural elements, the measurements given in the structural drawings has to be followed.

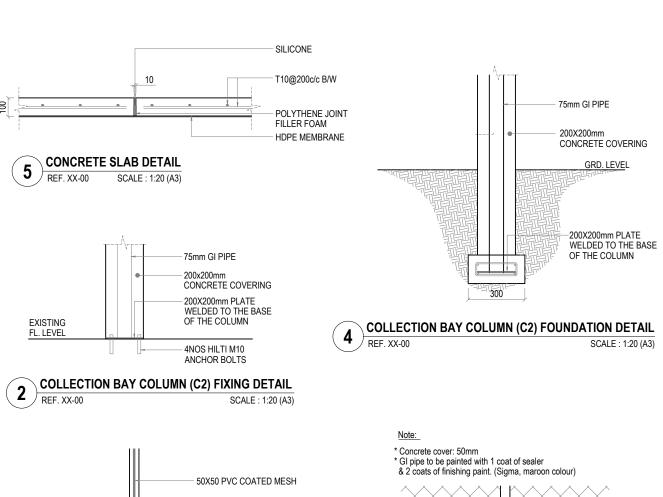
GENERAL NOTES:

KEY PLAN:

REF. XX-00 SCALE: 1:50 (A3)

SCALE: 1:50 (A3)





150mm HOLLOW BLOCK

12.5mm THK. PLASTERED ON

GRD. LEVEL

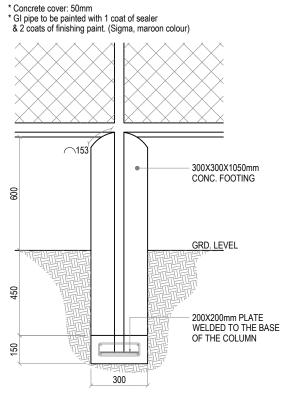
MASONRY WALL

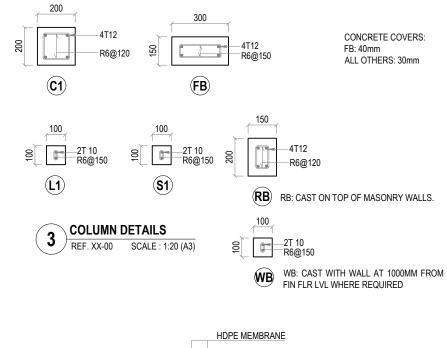
BOTH SIDES

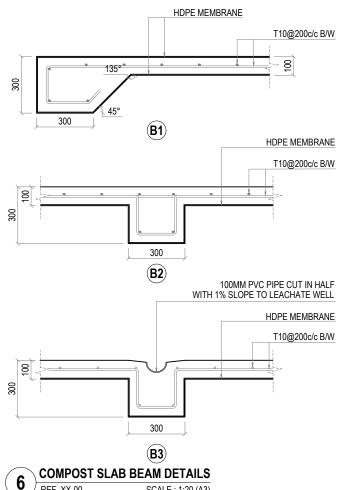
300

PARAMETER FENCE WALL FOUNDATION DETAIL

1 REF. XX-00







SCALE: 1:20 (A3)

REF. XX-00

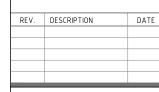
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- AS-BUILT DRAWINGS

PROJECT:

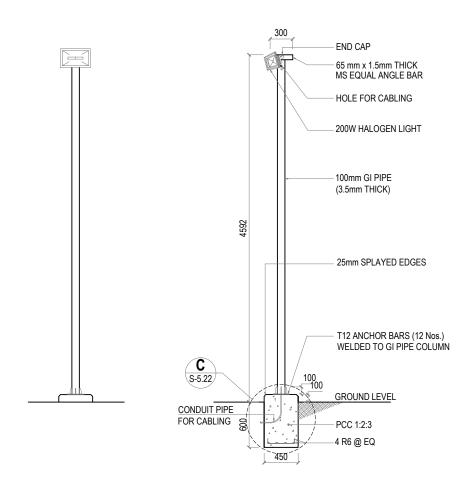
CONSULTANCY SERVICES FOR THE ARCHITECTURAL DRAWINGS AND BILL OF QUANTITIES FOR THE PROPOSED 14 ISLANDS WMC

CLIENT: -	MI	NISTRY OF ENVIRONMENT
LOCATION:	НΕ	H.NAAVAIDHOO
DISCIPLINE:	[DETAILS
DRAWN BY:		ISMAIL

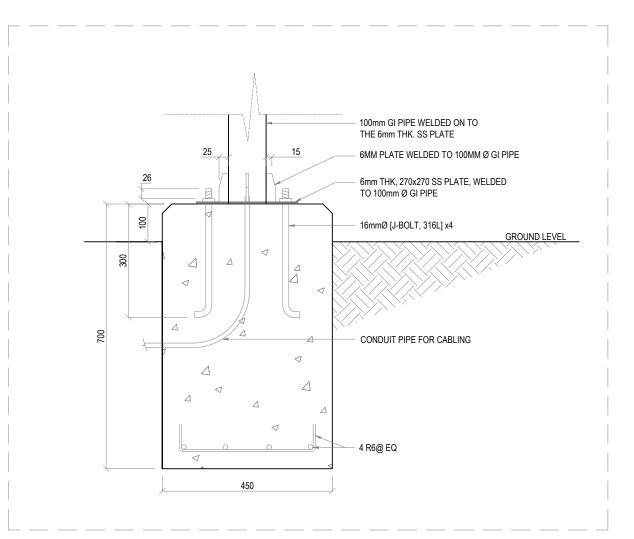
DISCIPLINE: DETAILS			
DRAWN BY:	ISMAIL		
DESIGNED BY:	CEC		
CHECKED BY:	CEC		
DATE:	SCALE:	SHEET SIZE:	
Mar 22	1:50	A3	

A-5.21

REV.







DETAILS - C: LIGHT POST FOUNDATION FOOTING
REF. LIGHT POST DETAILS

SCALE: 1:10 (A3)

GENERAL NOTES:

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KEY PLAN:

REV. DESCRIPTION DATE



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PROJECT:

CONSULTANCY SERVICES FOR THE
ARCHITECTURAL DRAWINGS AND BILL OF
QUANTITIES FOR THE PROPOSED 14
ISLANDS WMC

CLIENT: MINISTRY OF ENVIRONMENT

LOCATION: HE	H.NAAVAIDH	00
DISCIPLINE: [DETAILS	
DRAWN BY:	ISMAIL	
DESIGNED BY:	CEC	
CHECKED BY:	CEC	
DATE:	SCALE:	SHEET SIZE:

Mar 22 DRAWING NO.

A-5.22

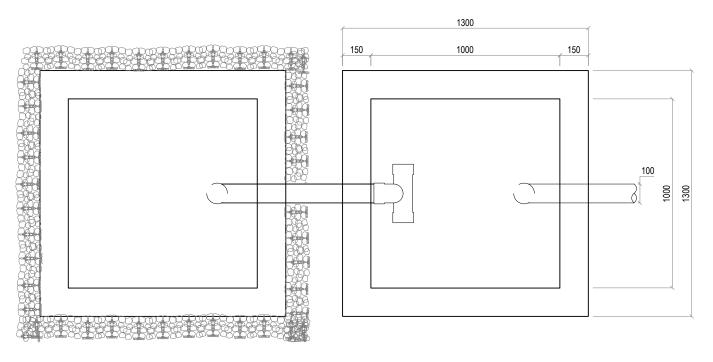
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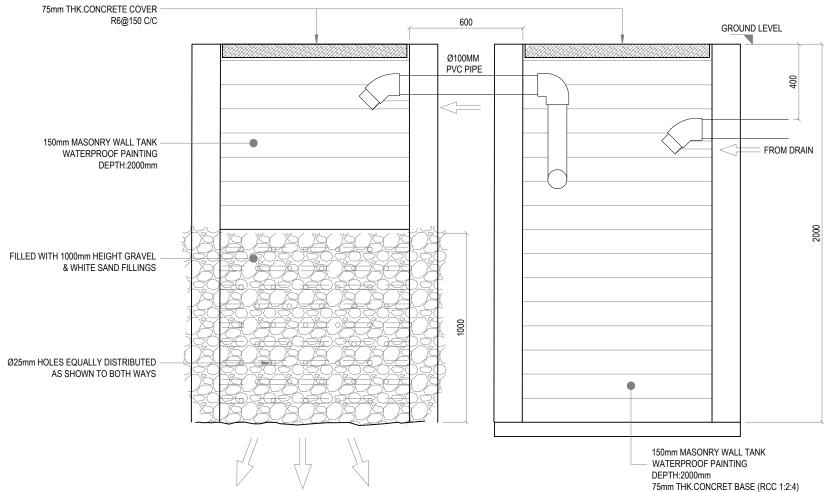
A3

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REV.

0 50 100







GENERAL NOTES:

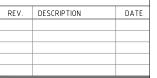
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CLIENT: - MINISTRY OF ENVIRONMENT

LOCATION: HE	H.NAAVAIDH	100
DISCIPLINE: DETAILS		
DRAWN BY:	ISMAIL	
DESIGNED BY:	CEC	
CHECKED BY:	CEC	
DATE:	SCALE:	SHEET SIZE:
Mar 22	1:50	A3

REV.

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DRAWING NO.

A-5.23

