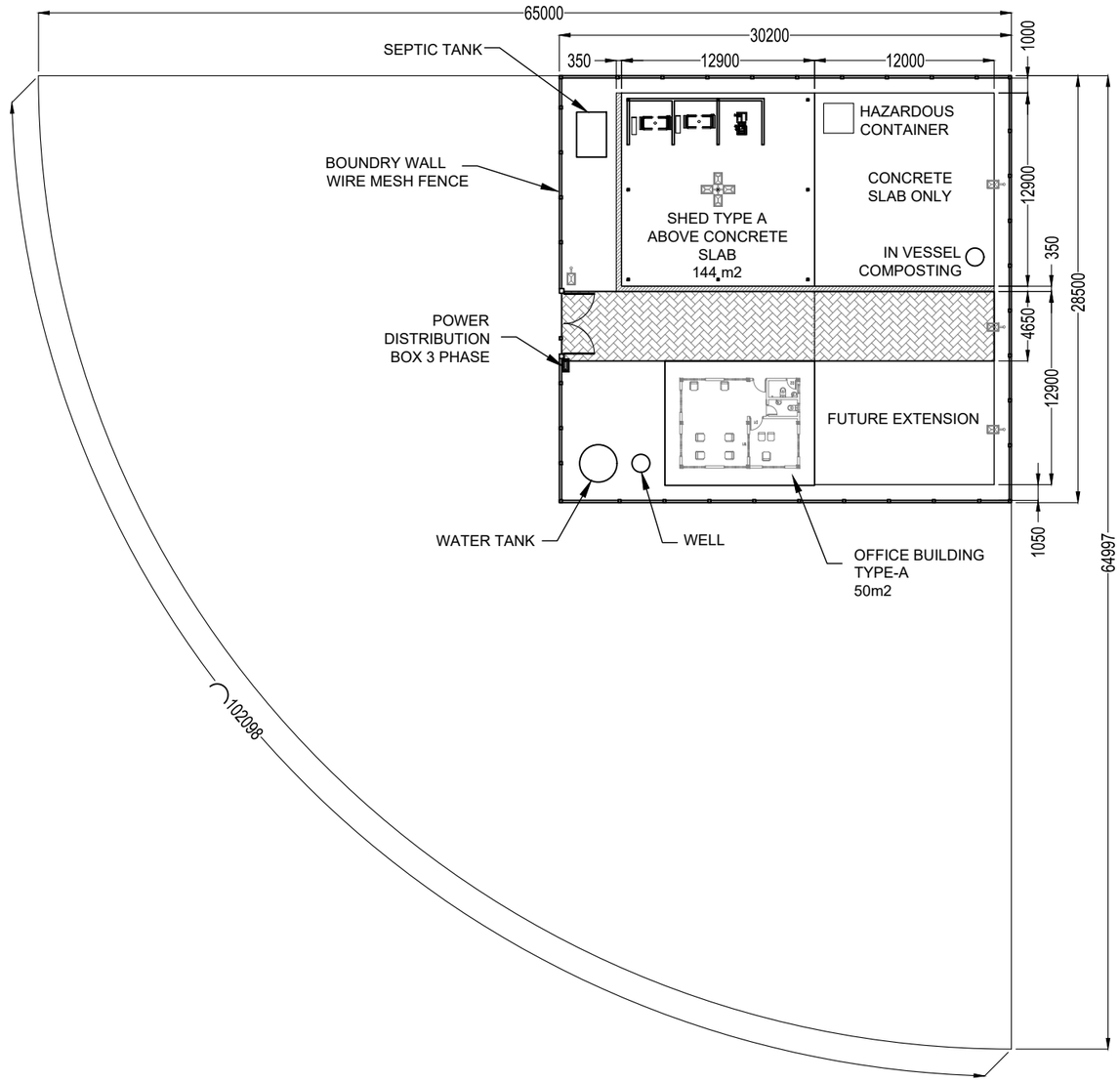
Construction of
Island Waste Management Center

K. THULUSDHOO

Ministry of Environment, Climate Change and Technology
Green Building, Handhuvareehigun
Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
Email: info@water-solutions.biz



SITE LAYOUT - K. THULUSDHOO

1:400

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Green Building, Handhuvareehigun
Rep of Maldives

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Construction of Island Waste Management Centers
K. Thulusdhoo

Site Layout

DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN	

Scale	Paper
AS GIVEN	A3

Drawing No.
1

Construction of
Island Waste Management Center

GENERAL COMPONENTS DETAILS

Ministry of Environment, Climate Change and Technology
Green Building, Handhuvareehigun
Rep of Maldives

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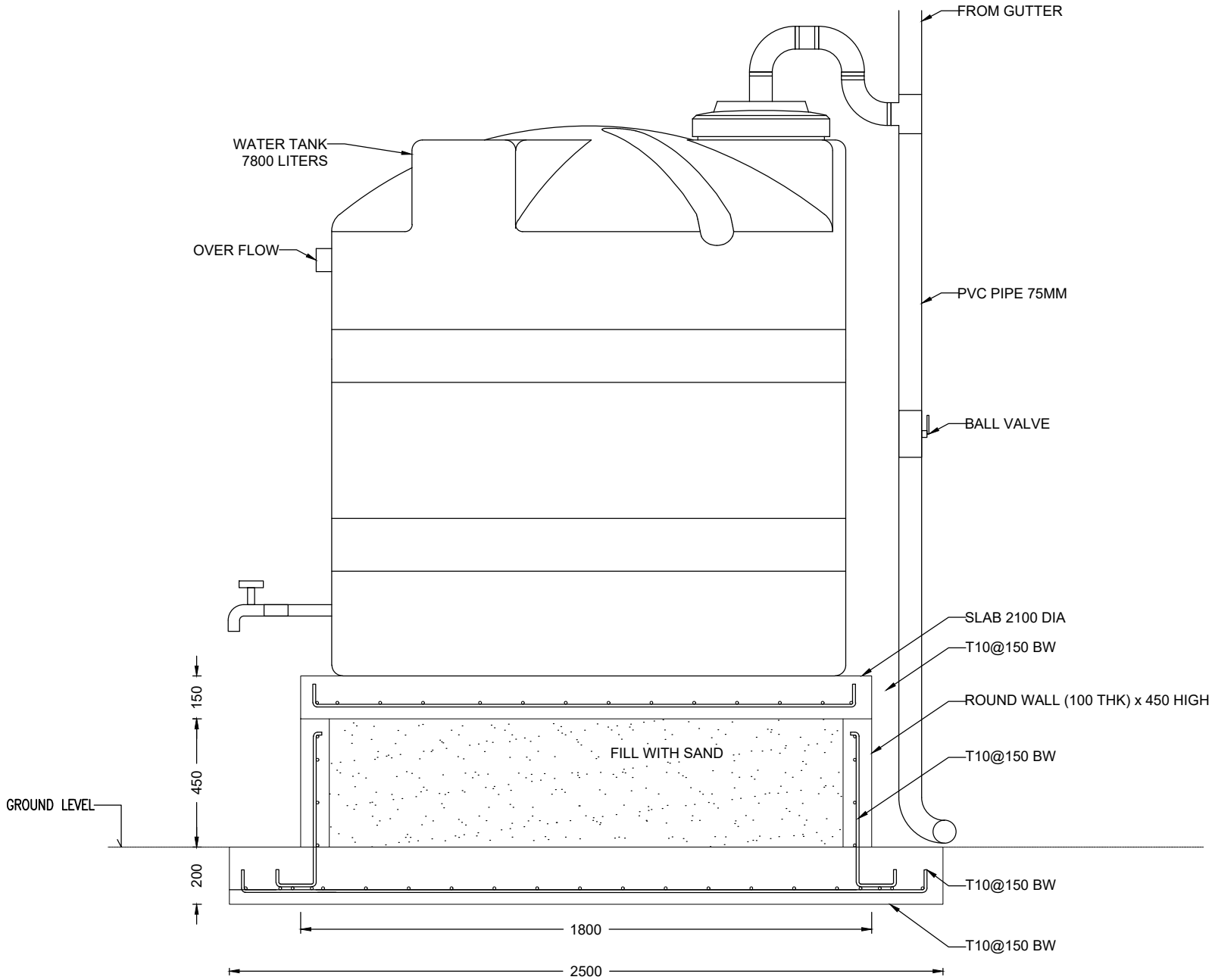

WATER TANK FOUNDATION

1:20

Ministry of Environment, Climate Change and Technology
Green Building, Handhuvareehigun
Rep of Maldives

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4th FL, M. Niadhurumaage
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Construction of Island Waste Management Centers

GENERAL COMPONENTS DETAILS
WATER TANK

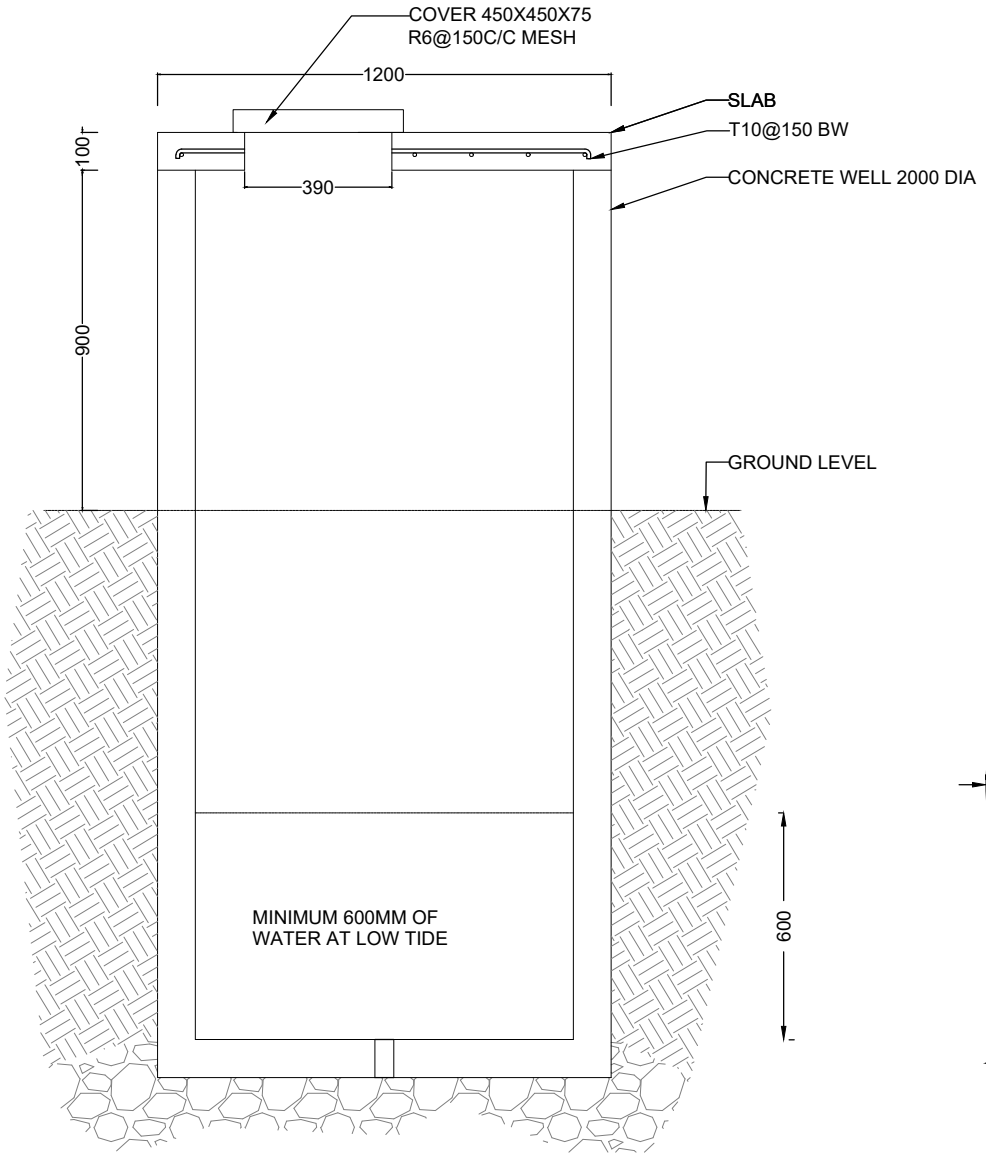
DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

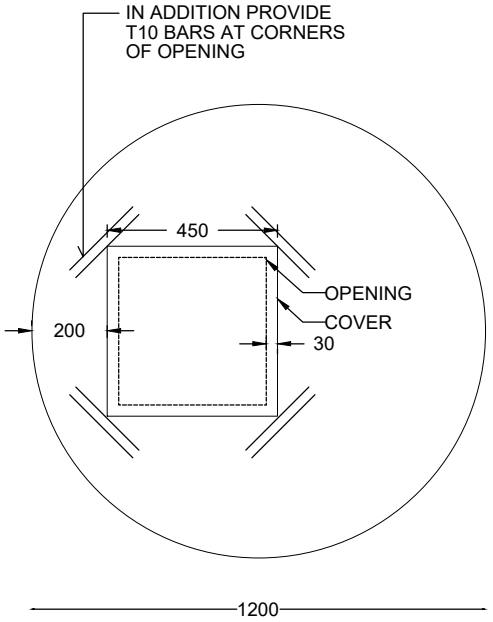
Scale	Paper
AS GIVEN	A4

Drawing No.
1



WELL SECTION

1:20



WELL PLAN

1:20

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Rep of Maldives

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Construction of Island Waste Management Centers

GENERAL COMPONENTS DETAILS
WELL

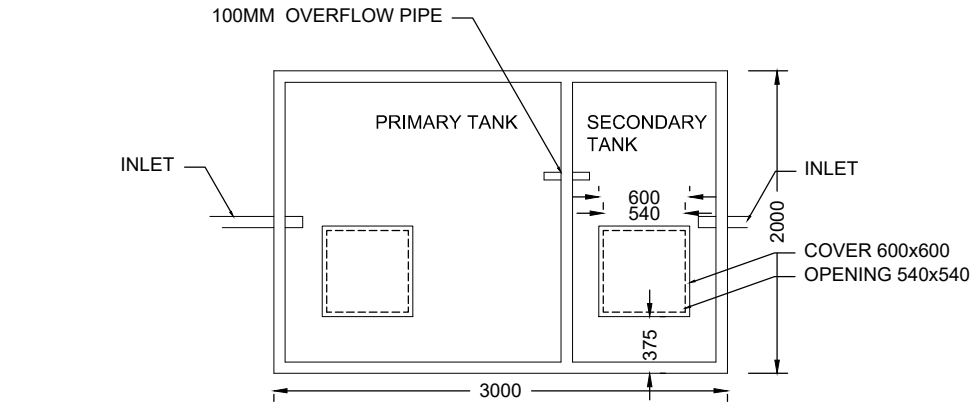
DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

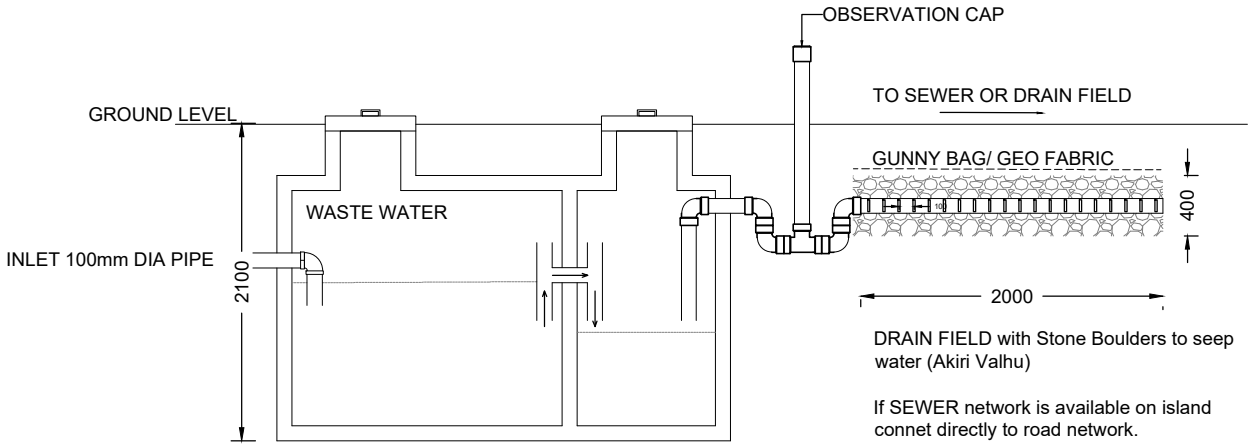
AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
2





SEPTIC TANK

1:50

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Rep of Maldives

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4th FL, M. Niadhurumaage
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Construction of Island Waste Management Centers

GENERAL COMPONENTS DETAILS
SEPTIC TANK

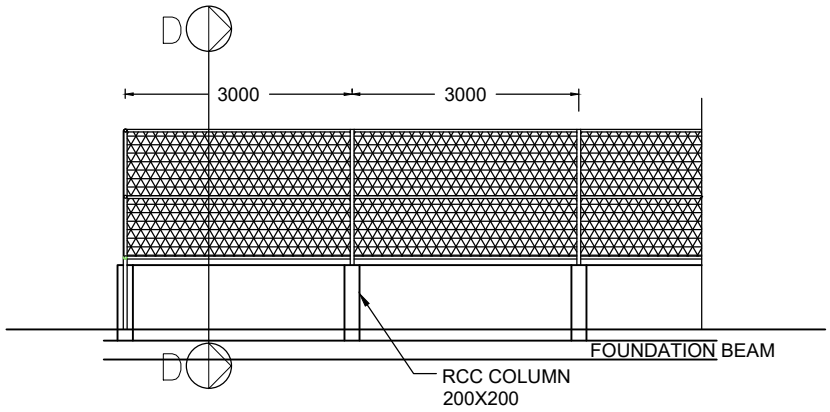
DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

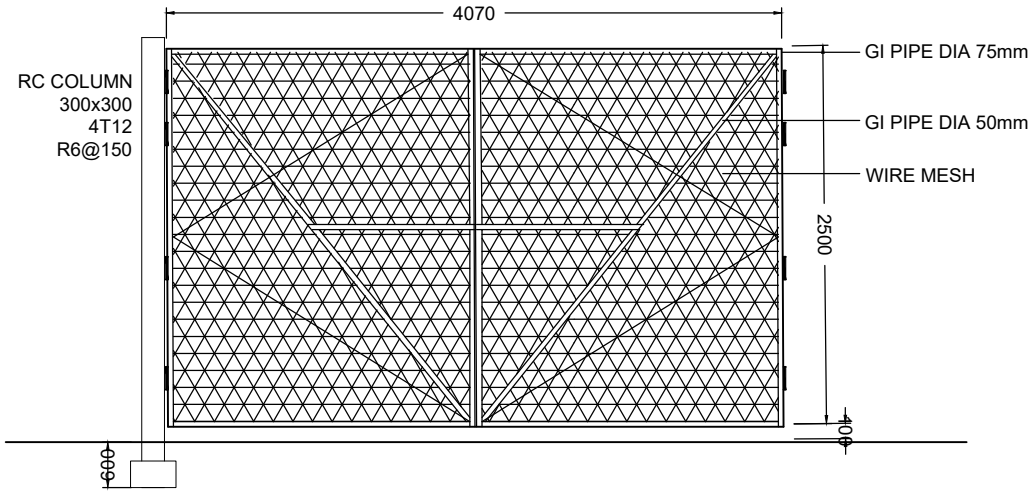
Scale	Paper
AS GIVEN	A4

Drawing No.
3



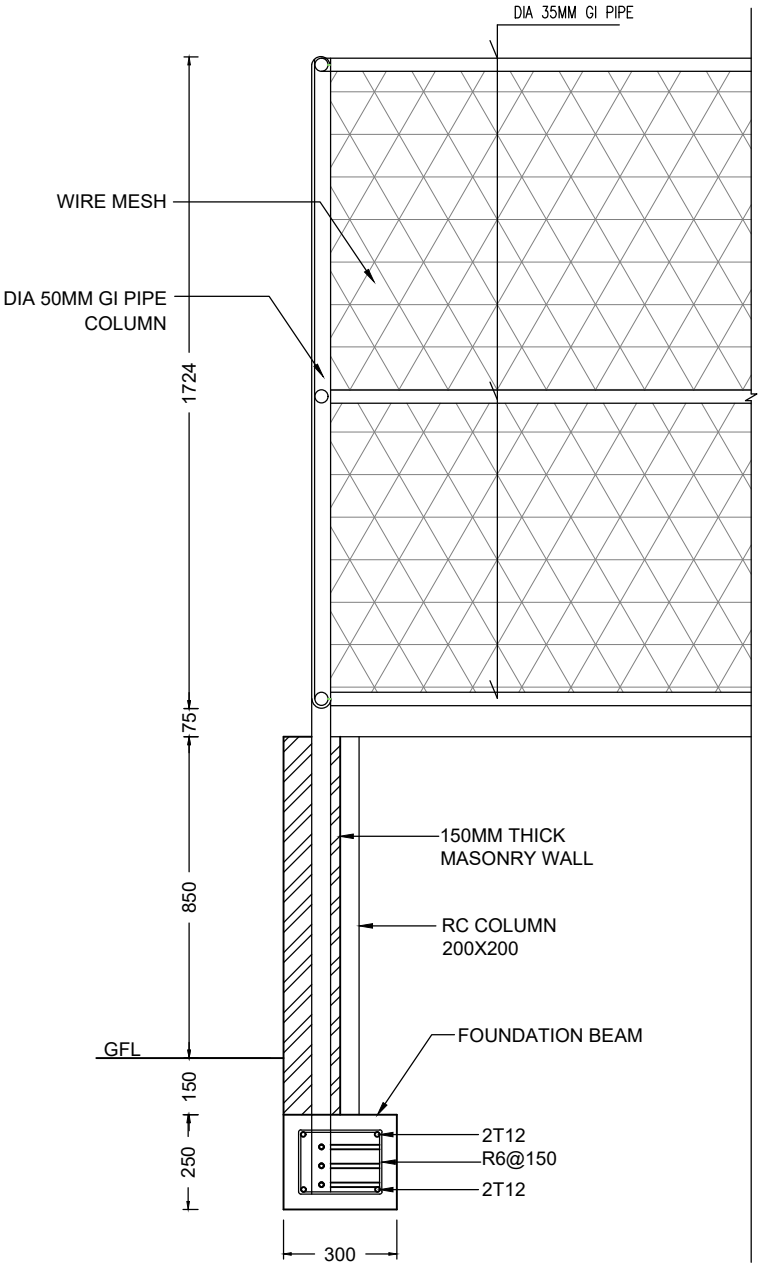
GI PIPE & WIRE MESH FENCE

1:100



MAIN GATE

1:50



SECTION D-D

1:20

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Green Building, Handhuvareehigun
Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
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WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
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Construction of Island Waste Management Centers

GENERAL COMPONENTS DETAILS
FENCE & GATE

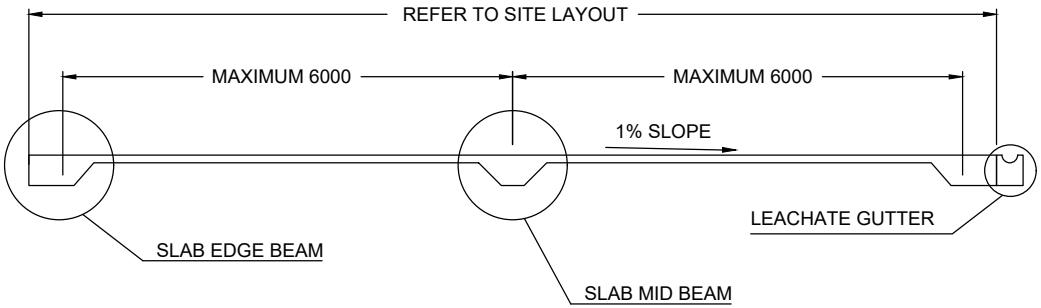
DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

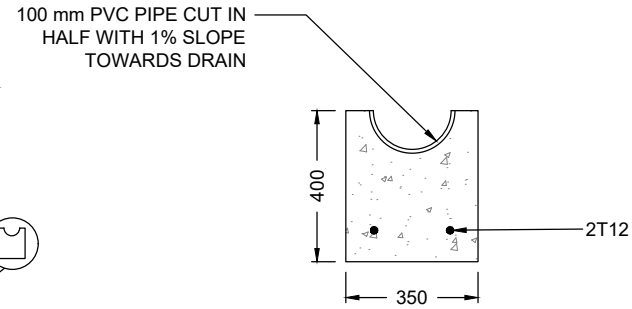
AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

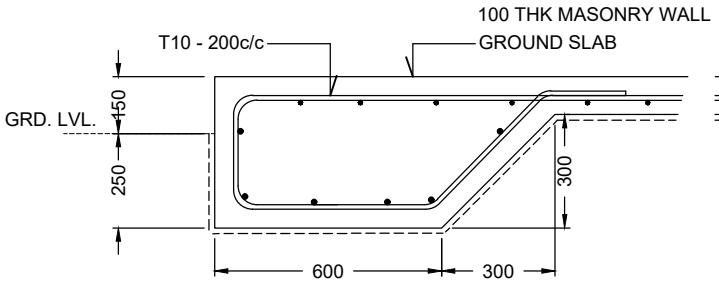
Drawing No.
4





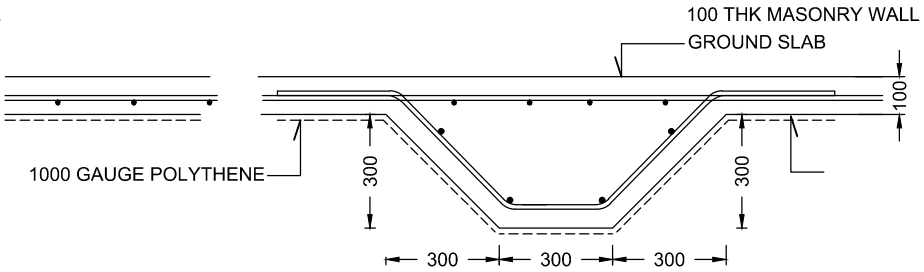
LEACHATE GUTTER DETAILS

1:20



SLAB EDGE BEAM

1:20



SLAB MID BEAM

1:20

NOTE: For office and guardroom floor, refer to SECTION-S
Cover 50mm

CONCRETE SLAB DETAILS - Shed, Hazardous waste & Slab only areas

1:20

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Construction of Island Waste Management Centers

GENERAL COMPONENTS DETAILS
TYPICAL FLOOR SLAB

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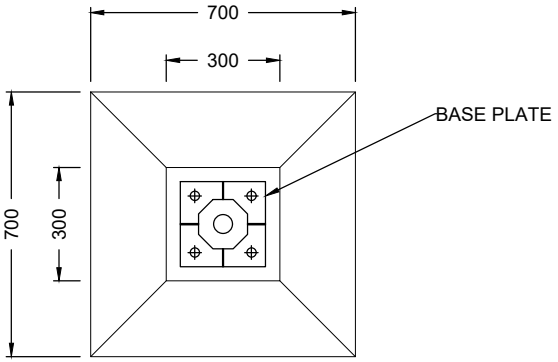
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

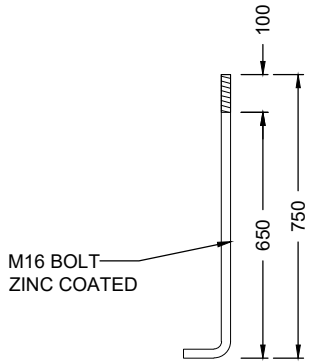
DESIGN

Scale	Paper
AS GIVEN	A4

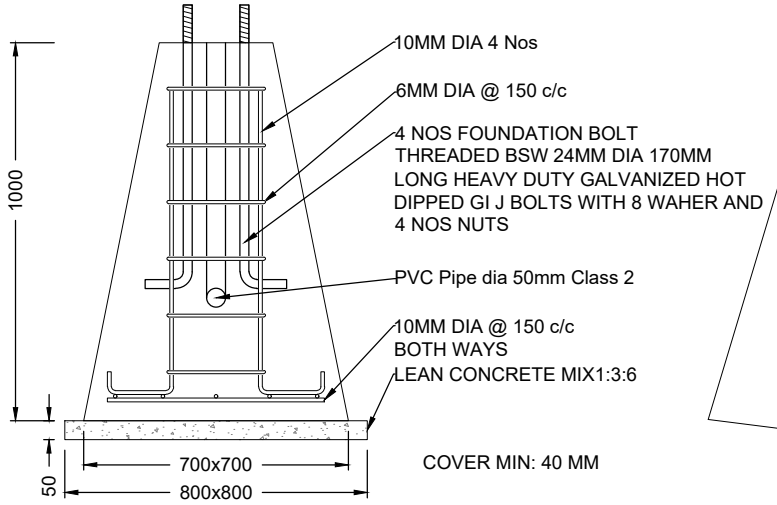
Drawing No.
5



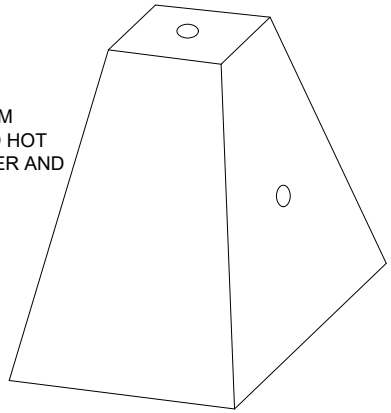
PLAN



BOLT



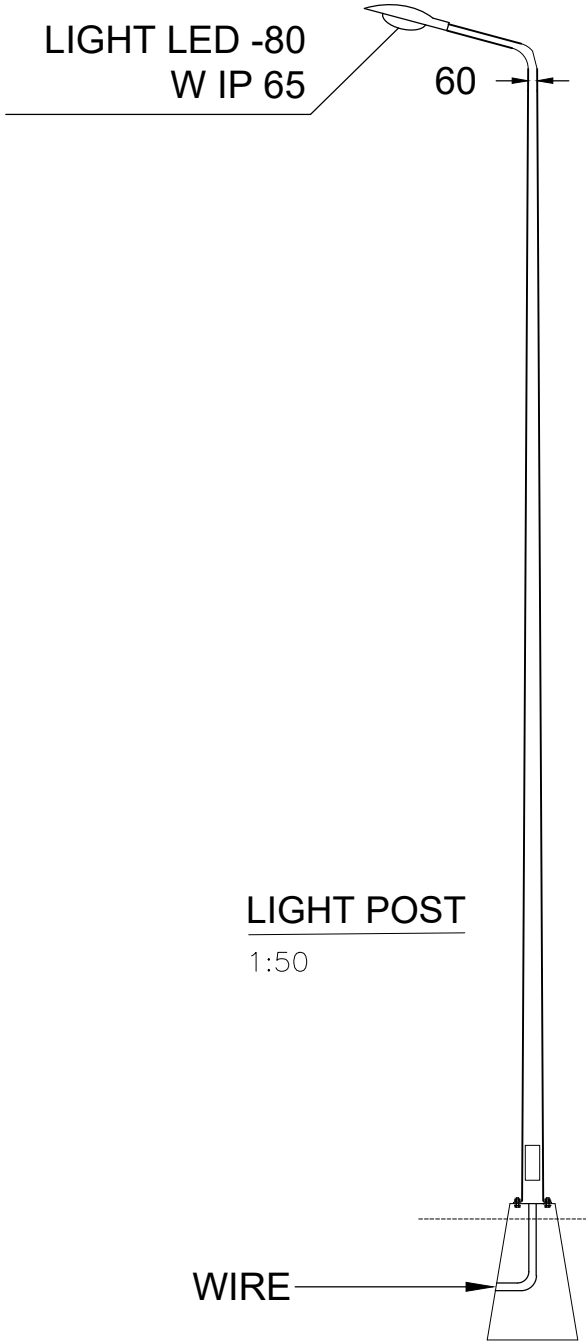
SIDE ELEVATION



ISOMETRIC VIEW

LIGHT FOOTING

1:20



LIGHT POST

1:50

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Green Building, Handhuvareehigun
Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
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Email: info@water-solutions.biz

Construction of Island Waste Management Centers

GENERAL COMPONENTS DETAILS
LIGHT POST

DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
6

Construction of
Island Waste Management Center

GUARD ROOM TYPE-A

Ministry of Environment, Climate Change and Technology
Green Building, Handhuvareehigun
Rep of Maldives

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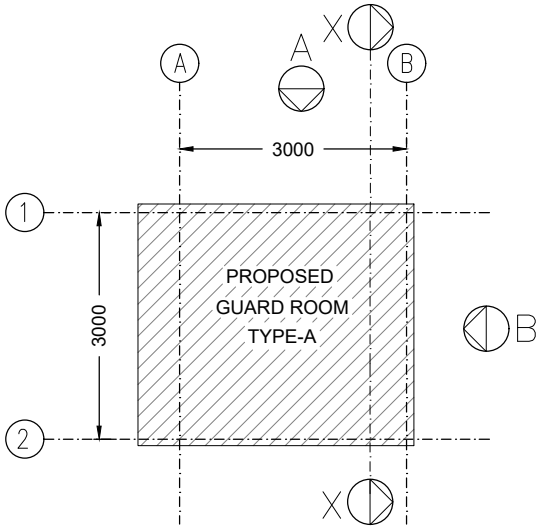
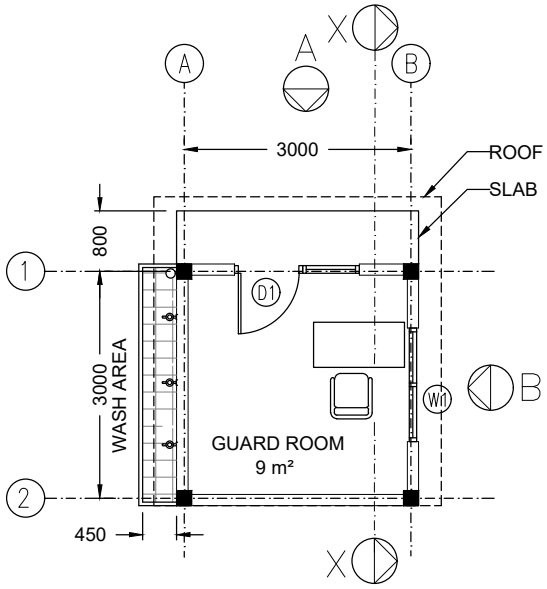


SITE PLAN

1:100



GROUND FLOOR LAYOUT PLAN

1:100

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Construction of Island Waste Management Centers

GUARD ROOM
TYPE-A

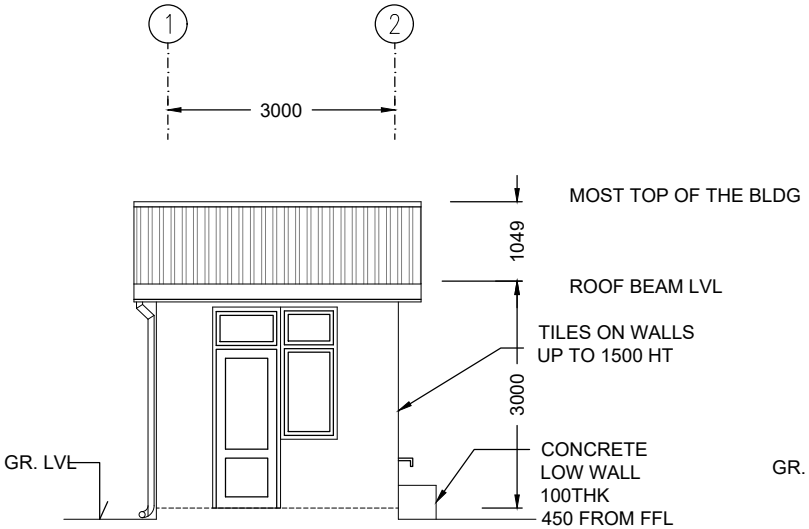
DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN	

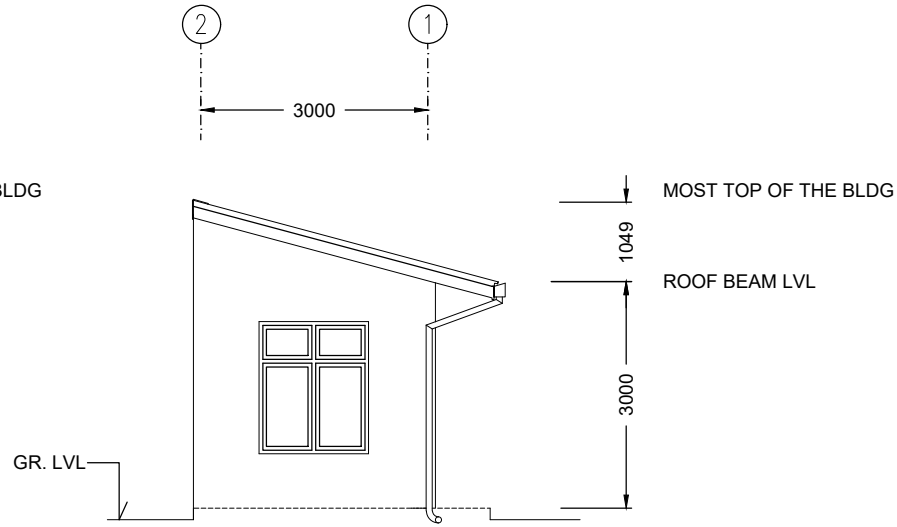
Scale	Paper
AS GIVEN	A4

Drawing No.
1



ELEVATION A

1:100



ELEVATION B

1:100

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Construction of Island Waste Management Centers

GUARD ROOM
TYPE-A

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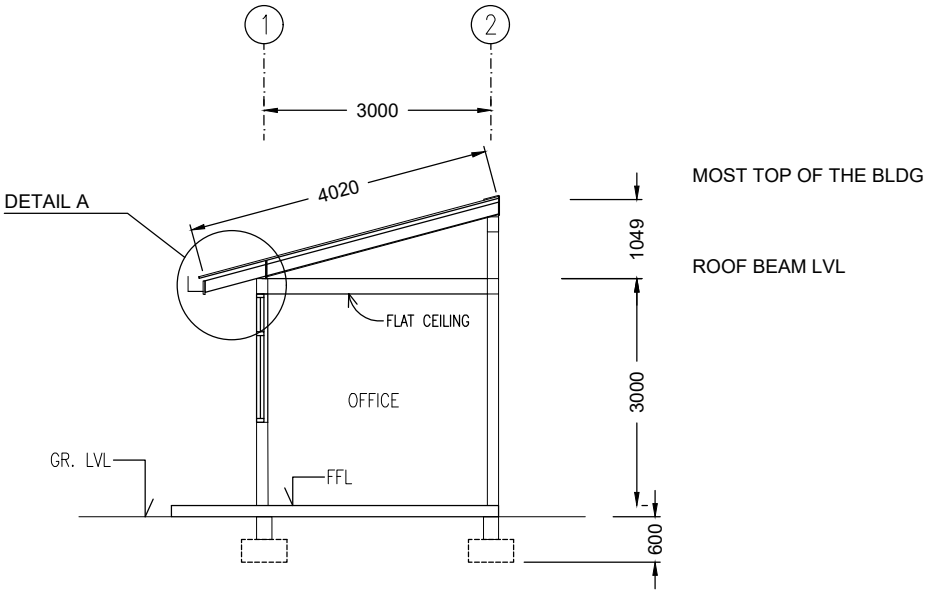
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
2



SECTION X-X

1:100

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Construction of Island Waste Management Centers

GUARD ROOM
TYPE-A

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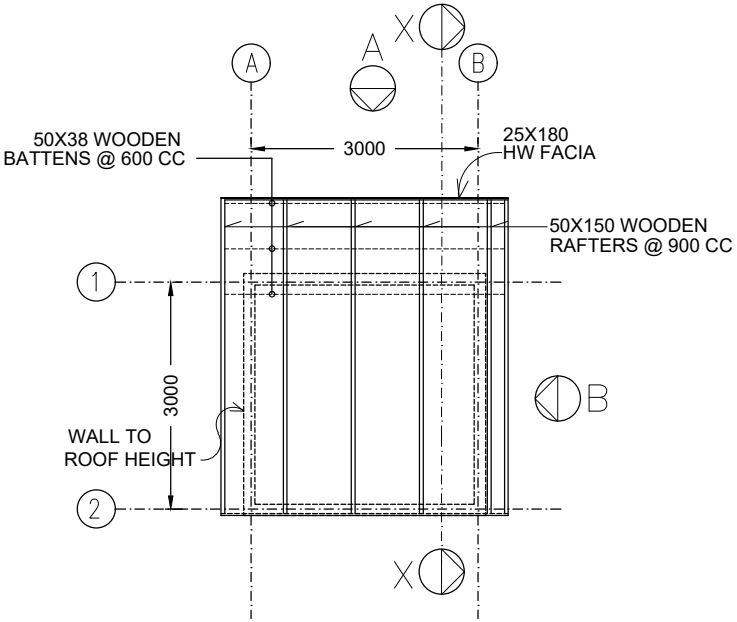
PROJECT#	213-98616

AMMENDMENTS

DESIGN

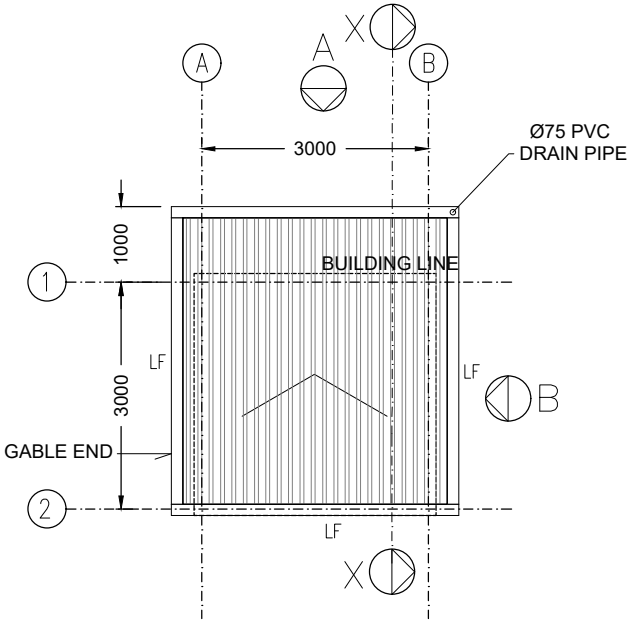
Scale	Paper
AS GIVEN	A4

Drawing No.
3



ROOF STRUCTURE PLAN

1:100



ROOF LAYOUT PLAN

1:100

LF: LONGITUDINAL FLASHING

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Construction of Island Waste Management Centers

GUARD ROOM
TYPE-A

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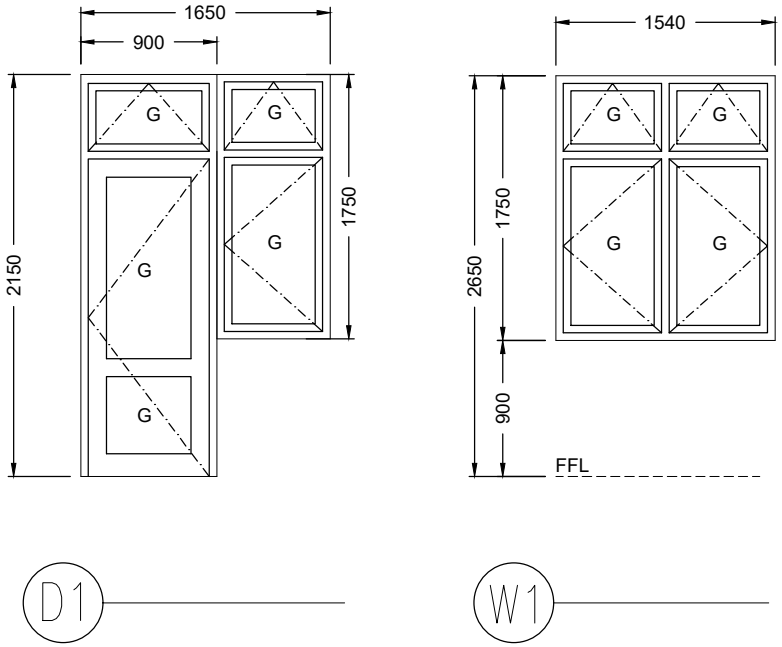
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
4



G: 6MM THK CLEAR GLASS

ALL DOORS AND WINDOWS SHOULD BE ALUMINIUM FRAME WITH POWDER COATED WHITE FINISH

DOOR / WINDOW

1:50

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GUARD ROOM
TYPE-A

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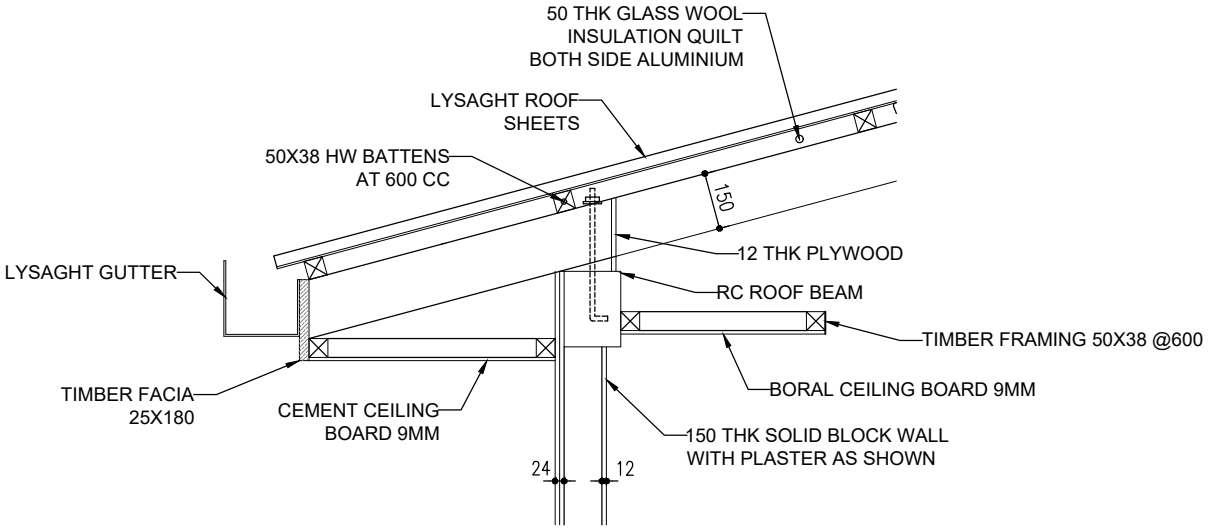
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
5



DETAIL A

1:20

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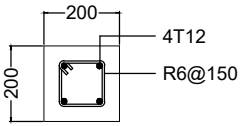
AMMENDMENTS

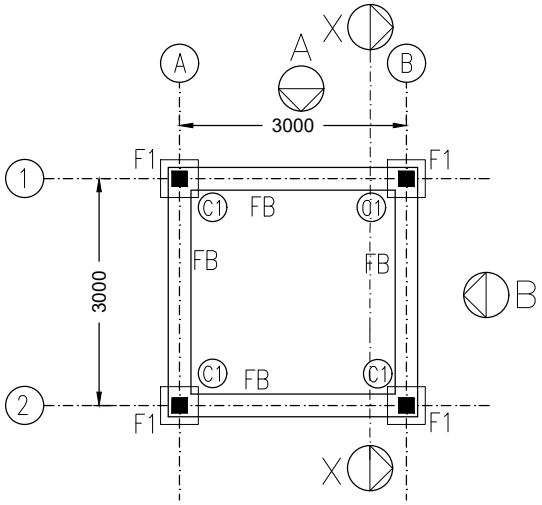
DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
6

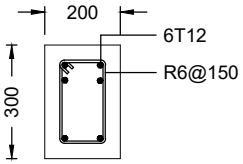


C1



FOUNDATION LAYOUT PLAN

1:100



FB

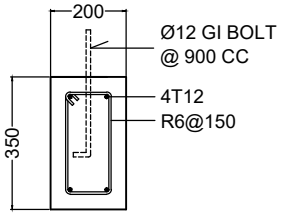
COVER

Foundations: 50mm

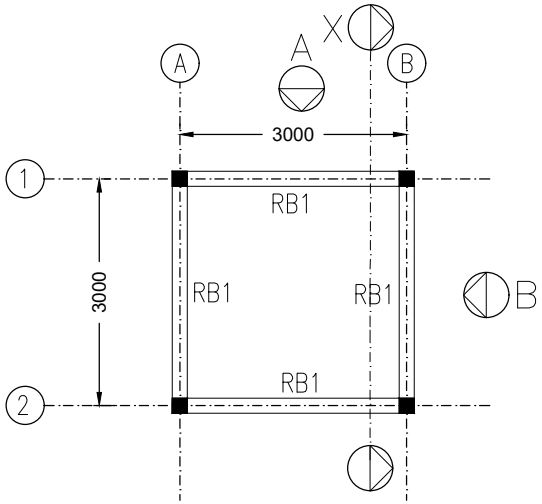
Columns : Below Ground 50mm, Above Ground 40mm

Ground Slab : 40mm

RB : 30mm

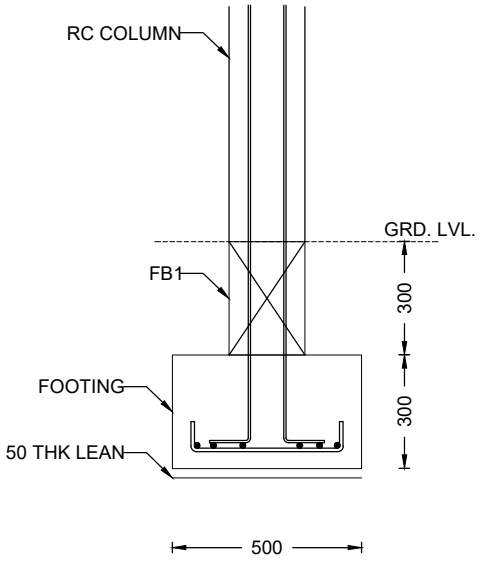


RB1



ROOF BEAM PLAN

1:100



F1

PAD	SIZE	REINFORCEMENT
F1	500X500X300	T10@150 BW

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KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
Email: info@water-solutions.biz

Construction of Island Waste Management Centers

GUARD ROOM
TYPE-A

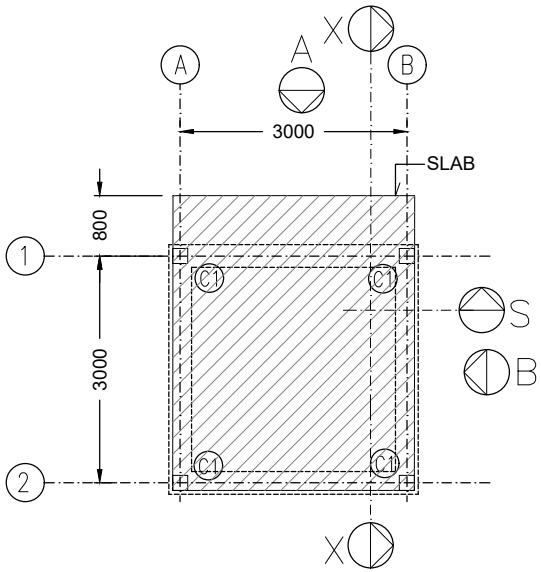
DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
7



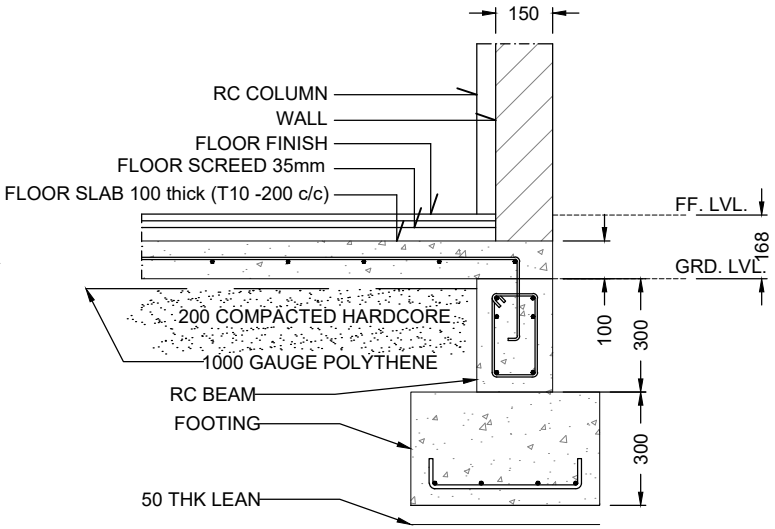
GROUND SLAB LAYOUT PLAN

1:100

NOTES:

GROUND SLAB IS 100 THICK ON
1000 GAUGE POLYTHENE DPM ON
200 COMPACTED HARDCORE

SLAB RFMT: T10@200 BW



SECTION-S

1:20

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Stegemannstr. 32-38
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Construction of Island Waste Management Centers

GUARD ROOM
TYPE-A

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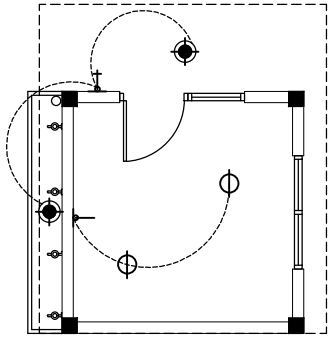
PROJECT#	213-98616

AMMENDMENTS

DESIGN

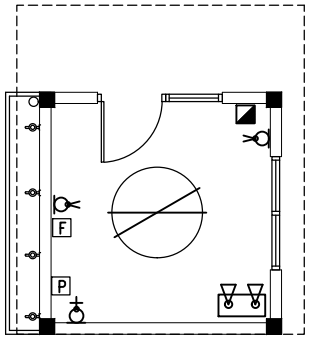
Scale	Paper
AS GIVEN	A4

Drawing No.
8



LIGHTING LAYOUT PLAN

1:100



FAN & POWER LAYOUT PLAN

1:100

ELECTRICAL LEGEND

- CEILING RECESSED E/S DOWN LIGHT
- WATERPROOF SPOTLIGHT LV HALOGEN
- EMERGENCY LIGHT(RECHARGEABLE)
- ONE-WAY SWITCH (SINGLE GANG)
- ONE-WAY SWITCH (DOUBLE GANG)
- TWO-WAY SWITCH (SINGLE GANG)
- WALL SOCKET OUTLET (DOUBLE GANG)
- SERVICE SOCKET OUTLET
- WATERPROOF WALL SOCKET OUTLET (SINGLE GANG)
- WATERPROOF SERVICE SOCKET OUTLET (SINGLE GANG) 1.8 H
- CEILING FAN 1.2M DIA
- D-BOARD
- P — WELL WATER PUMP
- F — FAN DIMMER

NOTE:

ALL HEIGHTS ARE FROM FINISHED FLOOR LEVEL

ALL WALL SOCKET OUTLETS ARE 0.3M AFFL EXCEPT WHERE STATED

ALL LIGHT SWITCHES ARE AT 1.2M AFFL

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WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
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GUARD ROOM
TYPE-A

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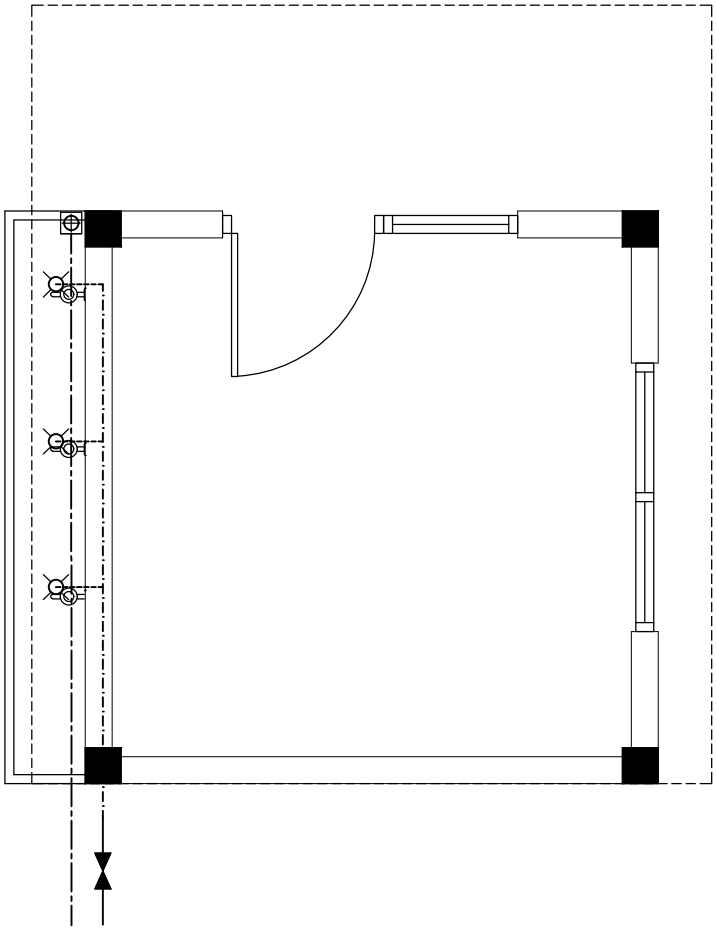
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN	

Scale	Paper
AS GIVEN	A4

Drawing No.
9



PLUMBING LEGEND

- FAUCET
- DIA 100 DRAIN
- CLEAN-OUT HATCH
- GATE VALVE
- DIA 100 WASTE PIPE
- DIA 50 WASTE PIPE
- DIA 12 COLD WATER SUPPLY

SEWAGE DISPOSAL AND WATER SUPPLY LAYOUT PLAN

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4th FL, M. Niadhurumaage
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Construction of Island Waste Management Centers

GUARD ROOM
TYPE-A

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PROJECT#	213-98616

AMMENDMENTS

DESIGN	

Scale	Paper
AS GIVEN	A4

Drawing No.
10

Construction of
Island Waste Management Center

OFFICE BUILDING TYPE-A

Ministry of Environment, Climate Change and Technology
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KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
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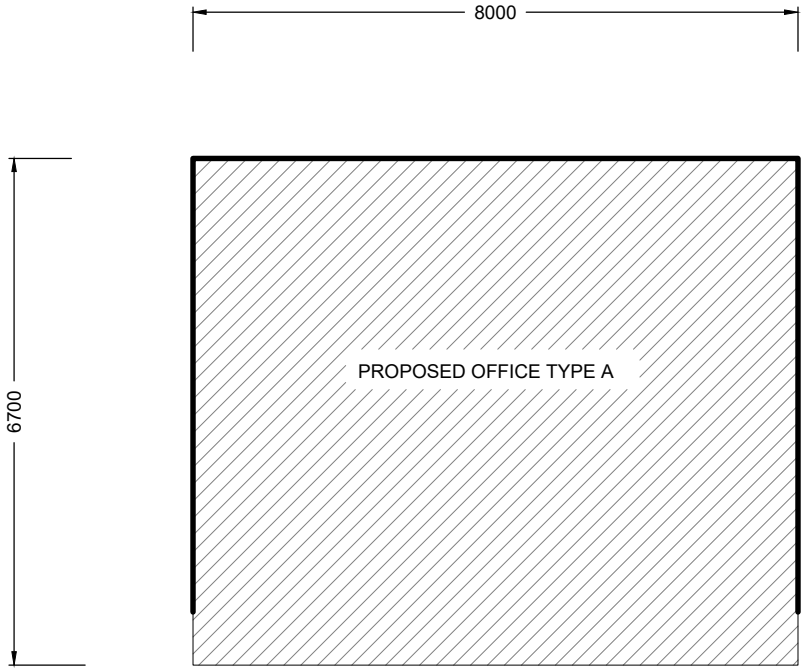

SITE PLAN

1:100

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Email: info@kocks-ing.de

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4th FL, M. Niadhurumaage
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Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

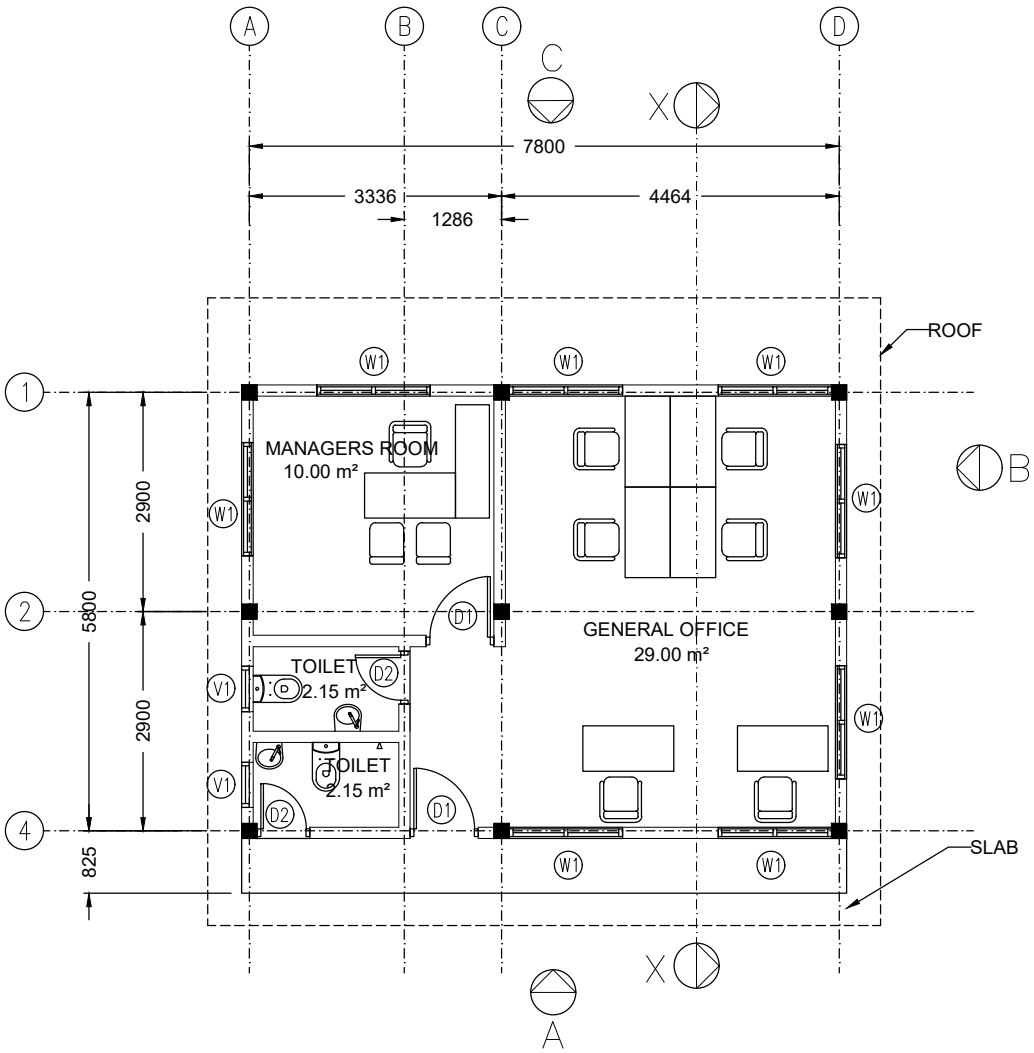
DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN	

Scale	Paper
AS GIVEN	A4

Drawing No.
1



GROUND FLOOR LAYOUT PLAN

1:100

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Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

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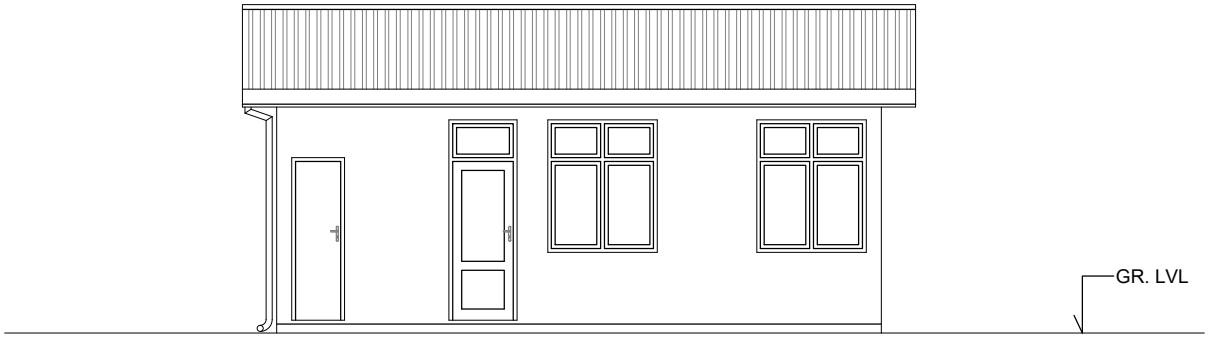
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
2



ELEVATION A

1:100

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Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

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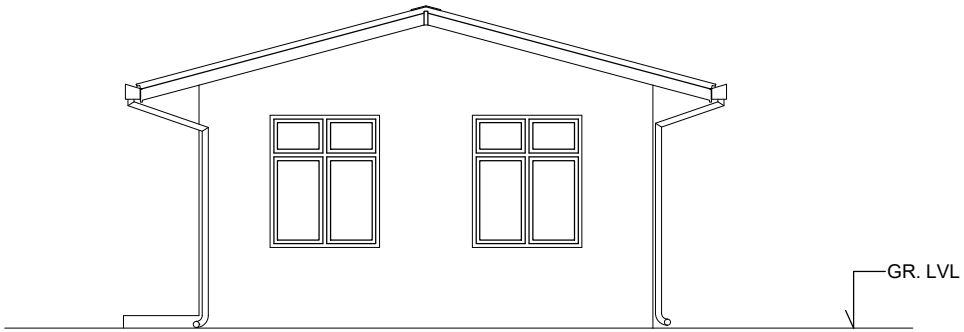
AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
3



ELEVATION B

1:100

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Stegemannstr. 32-38
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4th FL, M. Niadhurumaage
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Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

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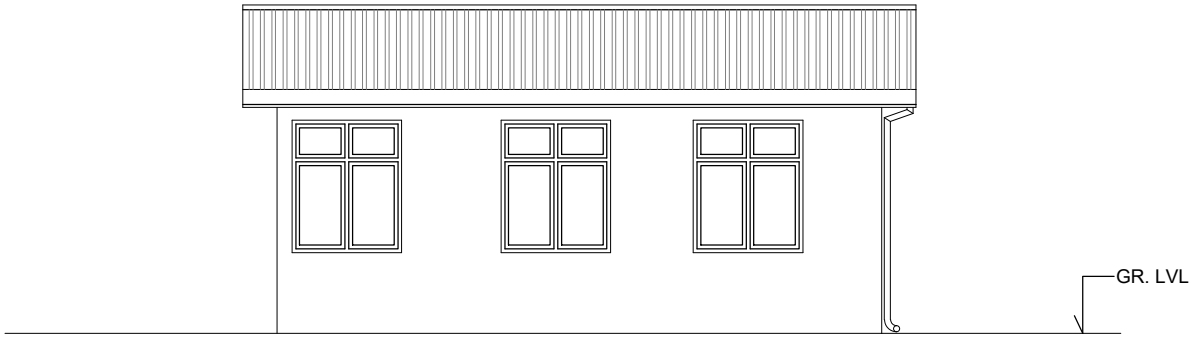
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
4



ELEVATION C

1:100

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Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
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Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

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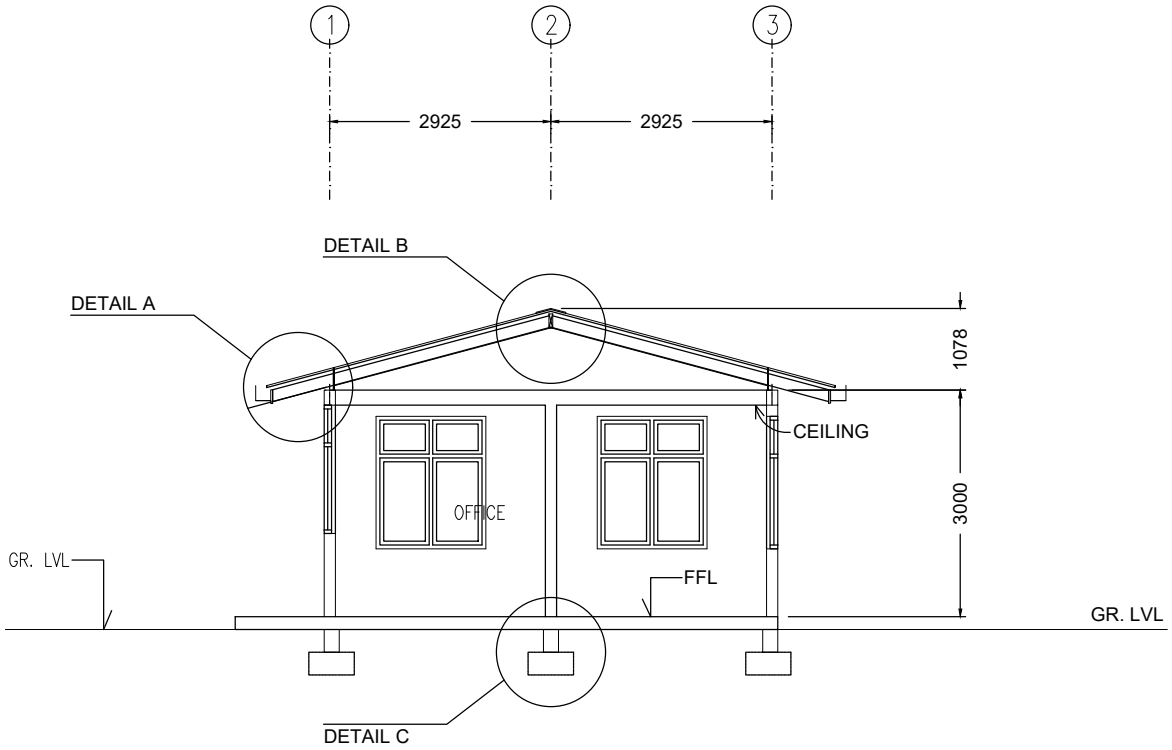
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN	

Scale	Paper
AS GIVEN	A4

Drawing No.
5



SECTION X-X

1:100

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Rep of Maldives

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Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
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Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

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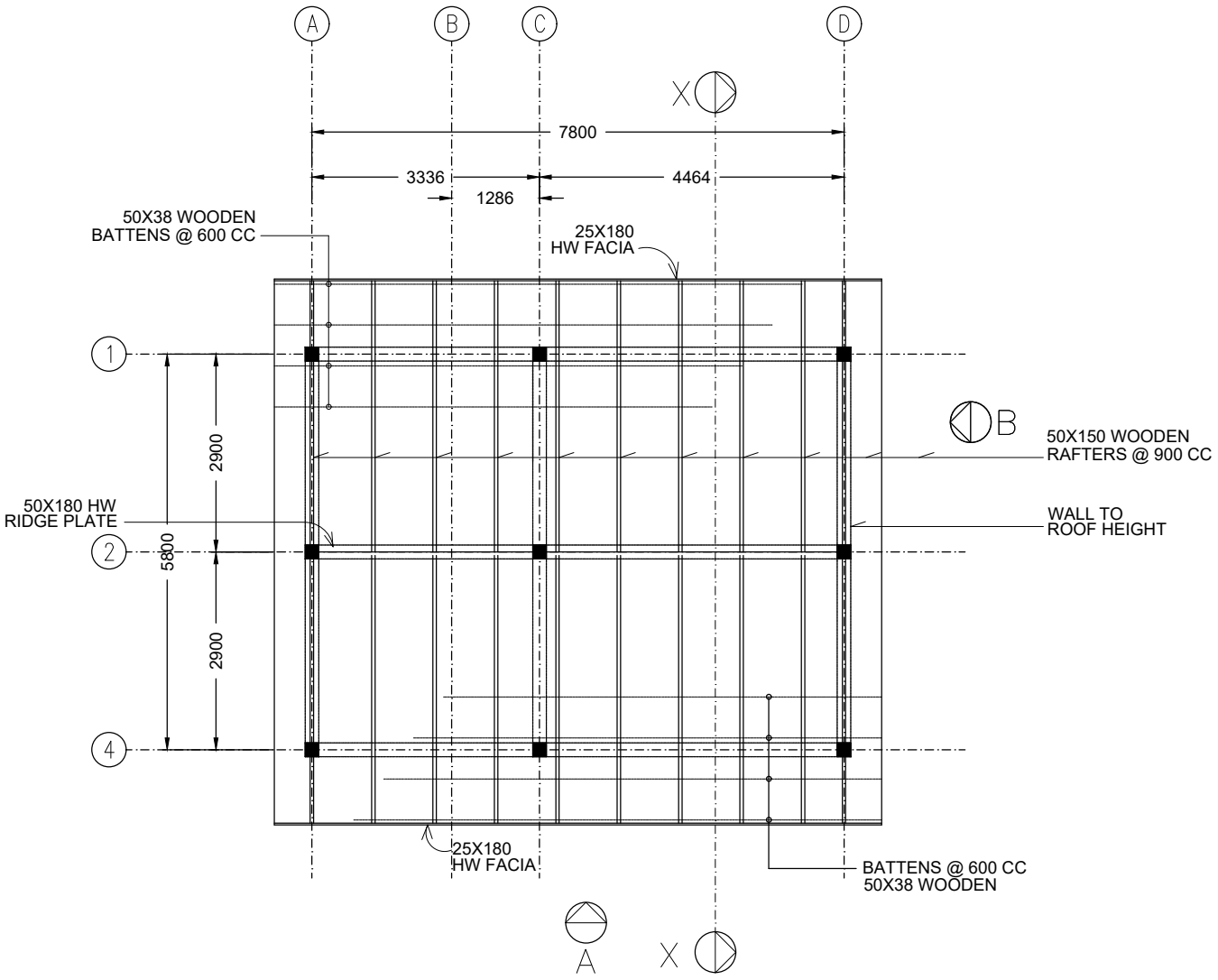
AMMENDMENTS

DESIGN	

Scale	Paper
AS GIVEN	A4

Drawing No.
6



ROOF STRUCTURE PLAN

1:100

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Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
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Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

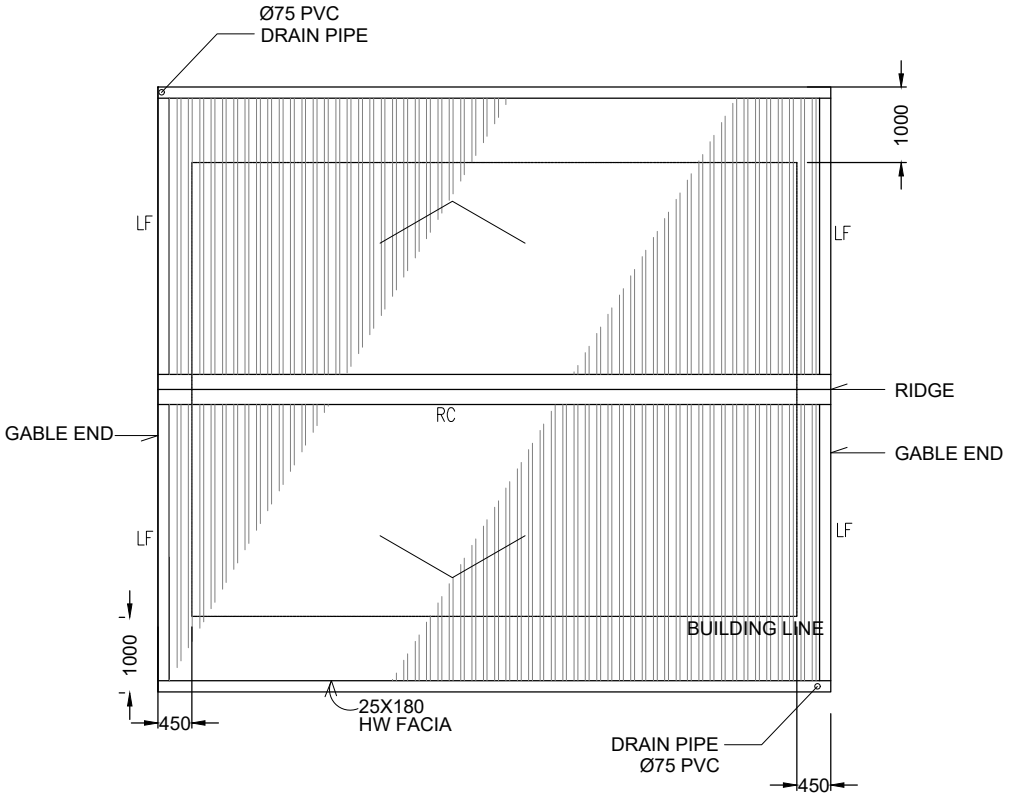
DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
7



ROOF LAYOUT PLAN

1:100

LF: LONGITUDINAL FLASHING
RC: RIDGE CAPPING

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Stegemannstr. 32-38
Tel: +49 261 1302-400
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4th FL, M. Niadhurumaage
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Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

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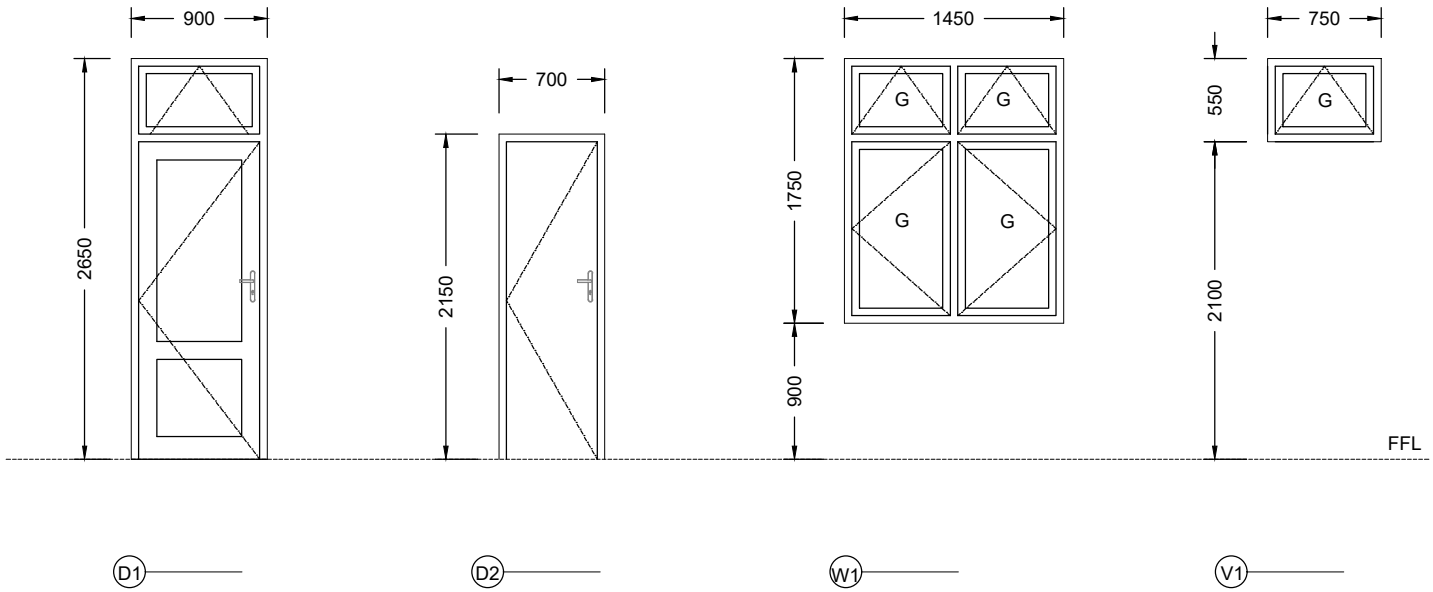
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
8



G: 6MM THK CLEAR GLASS

ALL DOORS AND WINDOWS SHOULD BE ALUMINIUM FRAME WITH POWDER COATED WHITE FINISH

DOOR / WINDOW

1:50

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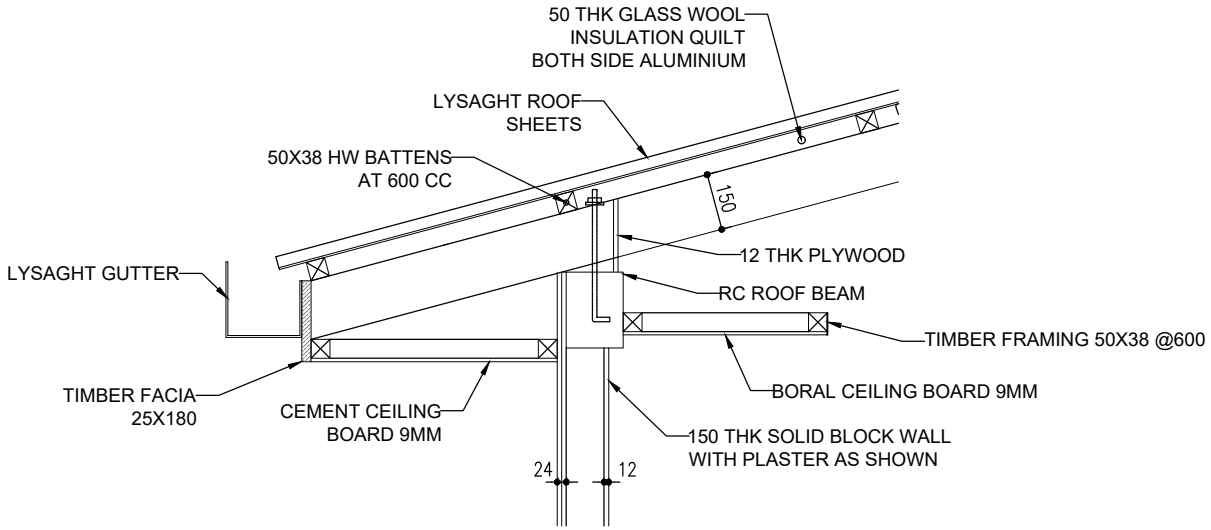
AMMENDMENTS

DESIGN

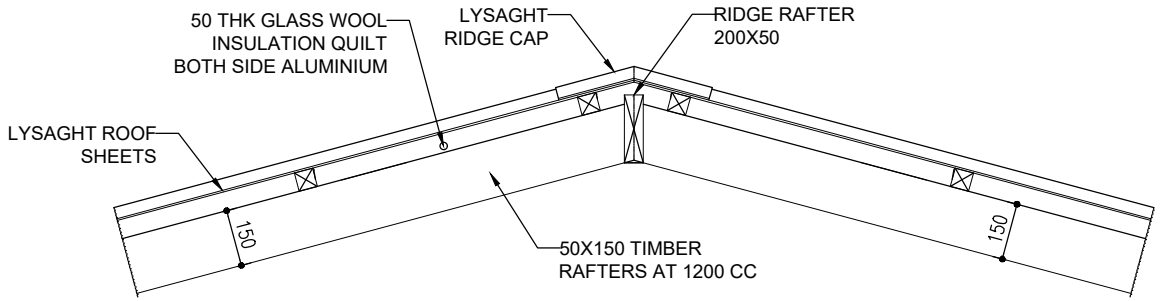
Scale	Paper
AS GIVEN	A4

Drawing No.
9



DETAIL A

1:20



DETAIL B

1:20

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Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

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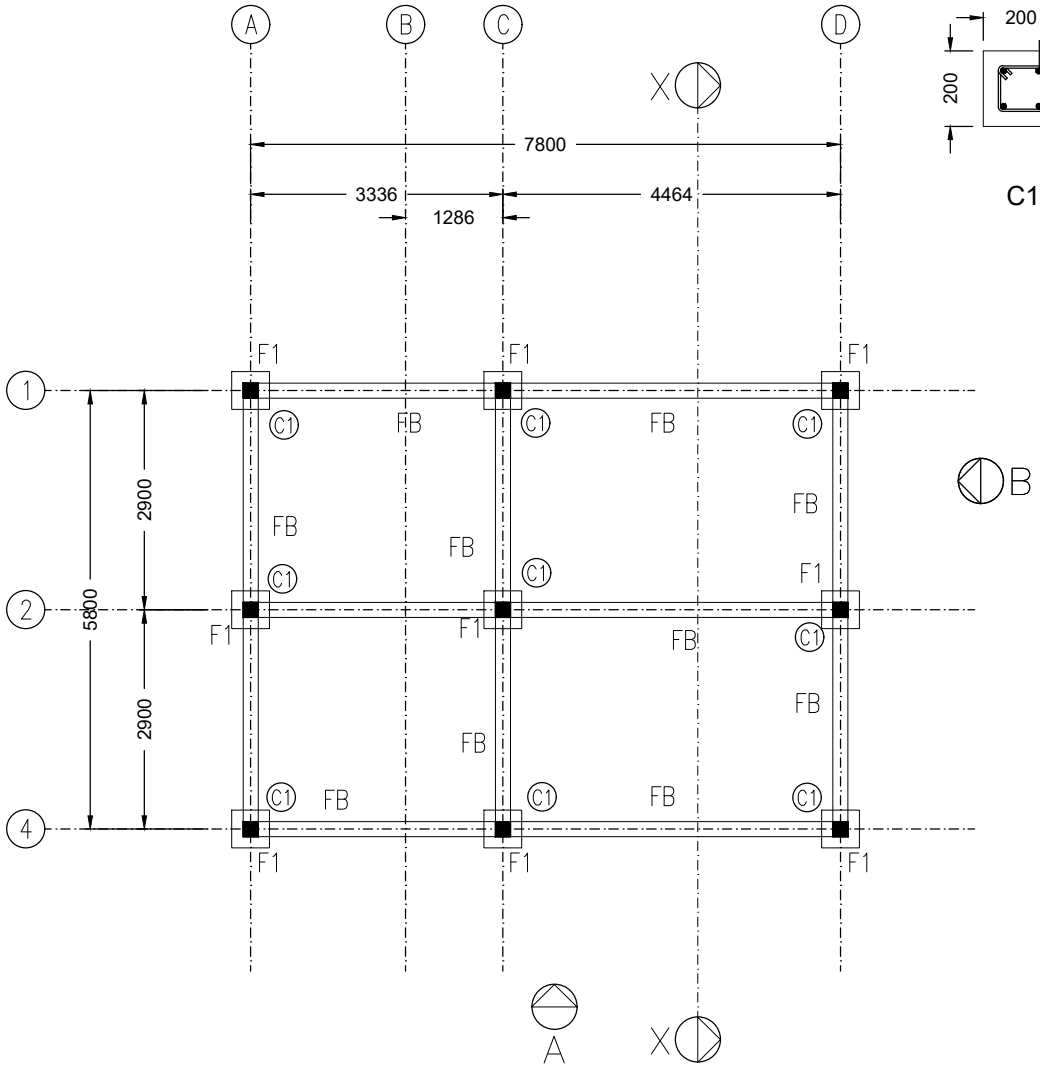
CHECKED	FAYAZ
PROJECT#	213-98616

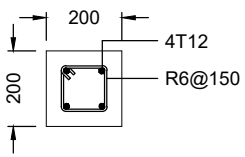
AMMENDMENTS

DESIGN	

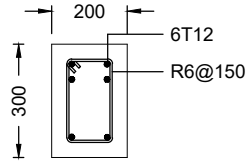
Scale	Paper
AS GIVEN	A4

Drawing No.
10





C1



FB

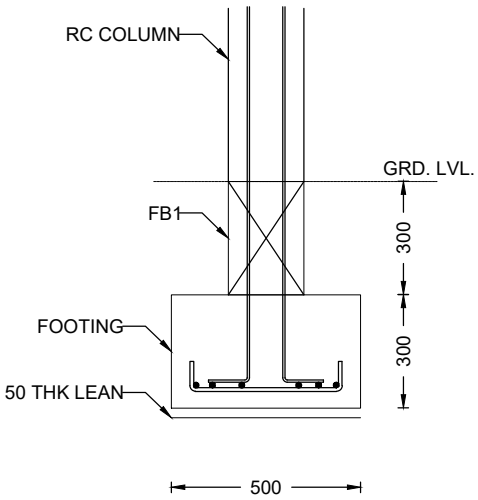
COVER

Foundations: 50mm

Columns : Below Ground 50mm, Above Ground 40mm

Ground Slab : 40mm

RB : 30mm



PAD	SIZE	REINFORCEMENT
F1	500X500X300	T10@150 BW

FOUNDATION AND COLUMN PLAN

1:100

DETAIL C

1:20

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Stegemannstr. 32-38
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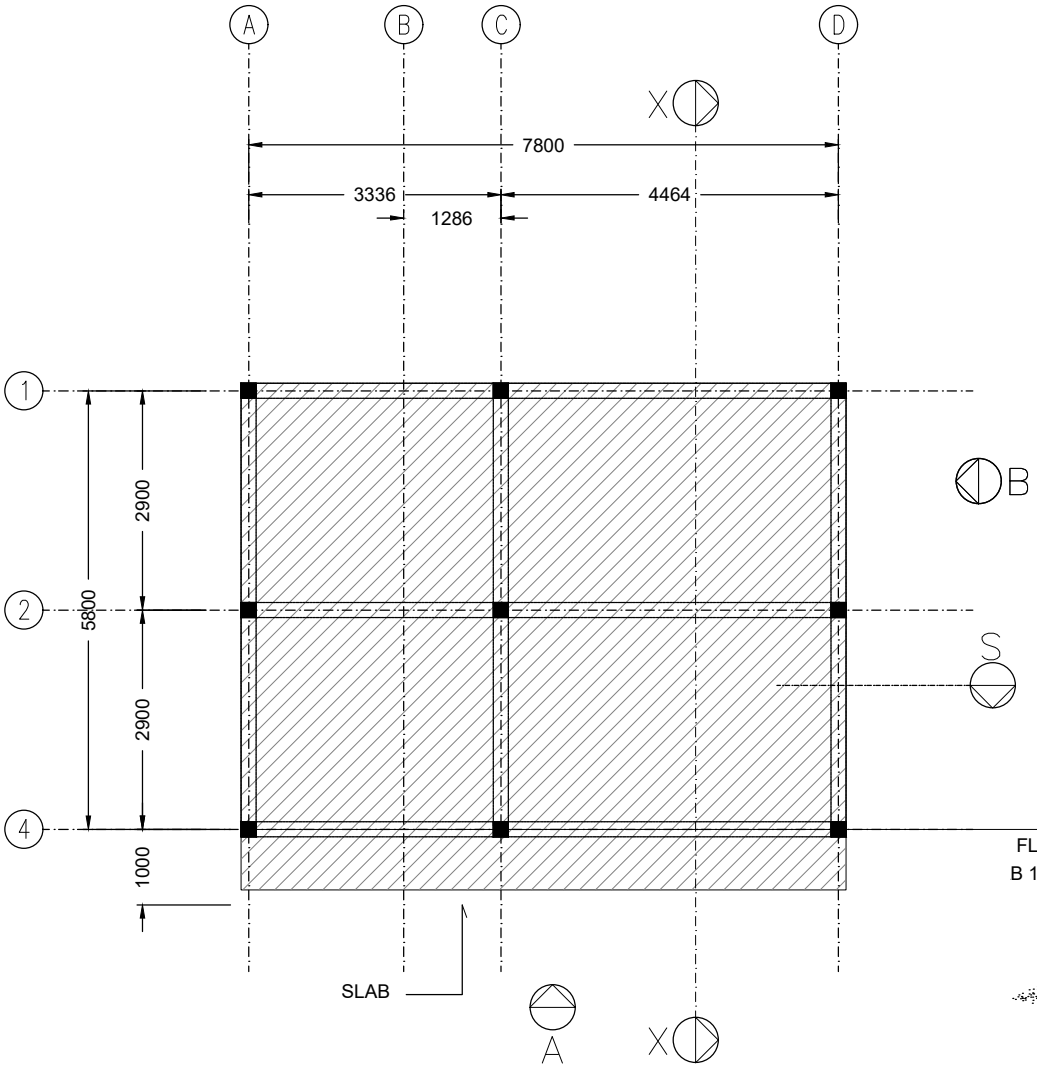
AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

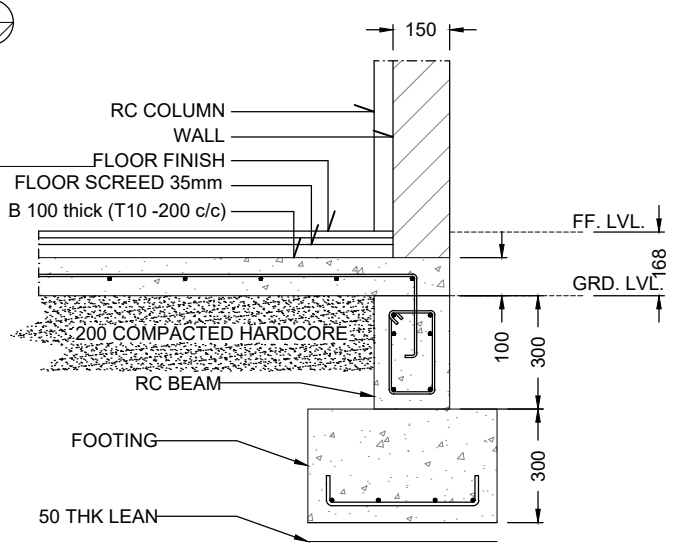
Drawing No.
11



NOTES:

GROUND SLAB IS 100 THICK ON
1000 GAUGE POLYTHENE DPM ON
200 COMPACTED HARDCORE

SLAB RFMT: T10@200 BW



SECTION-S

1:20

SLAB LAYOUT PLAN

1:100

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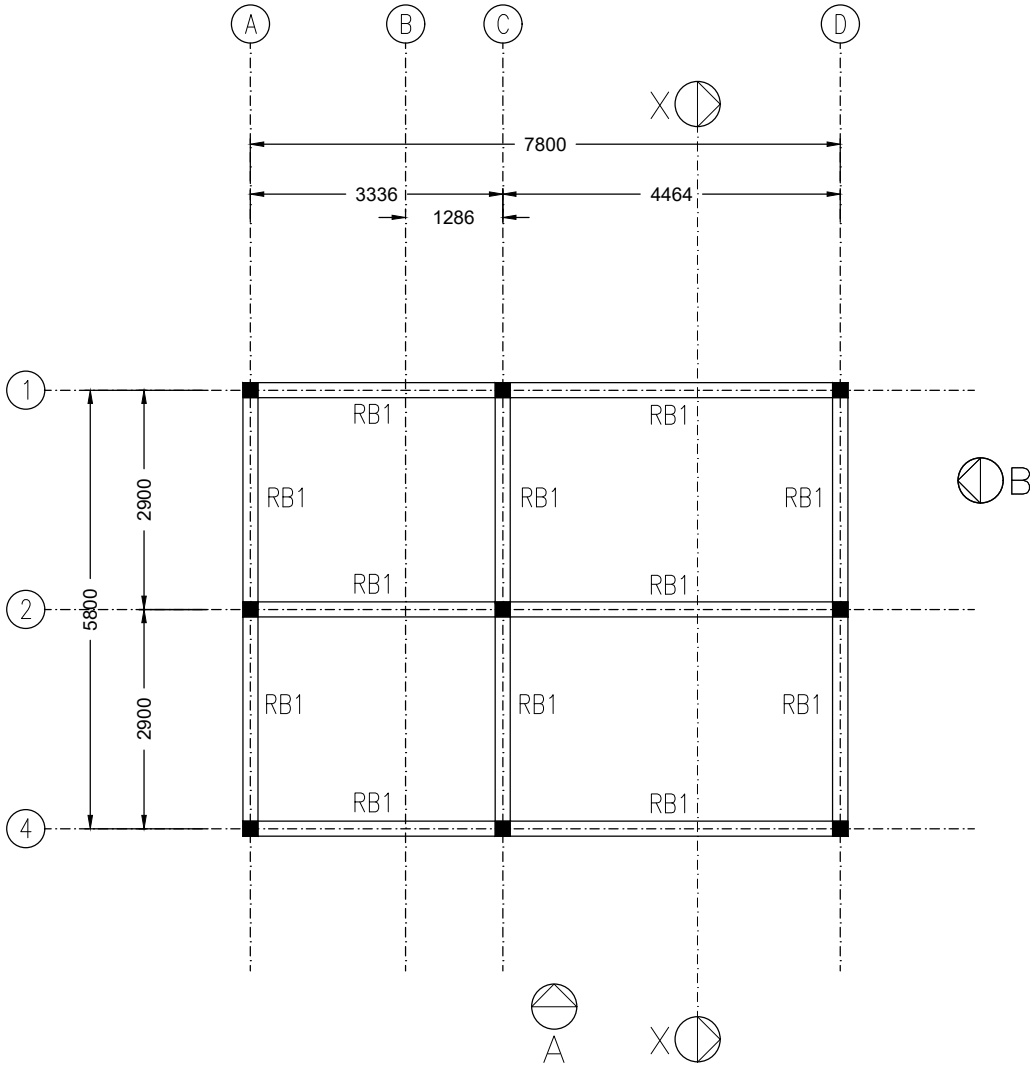
AMMENDMENTS

DESIGN

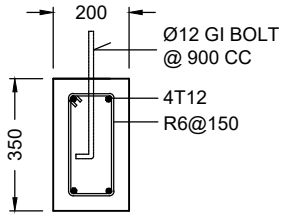
Scale	Paper
AS GIVEN	A4

Drawing No.
12



ROOF BEAM PLAN

1:100



RB1

ROOF BEAM DETAILS

1:20

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TYPE-A

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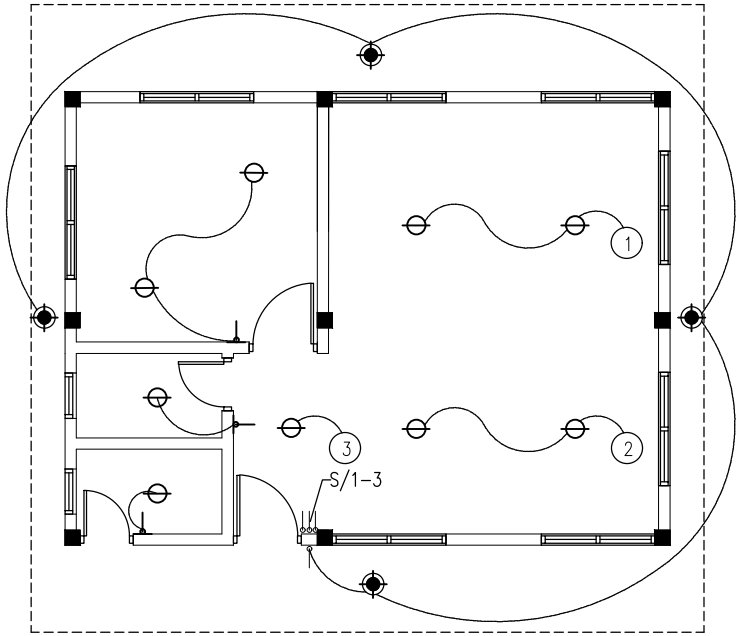
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
13



LIGHTING LAYOUT PLAN

1:100

ELECTRICAL LEGEND

- CEILING RECESSED E/S DOWN LIGHT
- WATERPROOF SPOTLIGHT LV HALOGEN
- EMERGENCY LIGHT(RECHARGEABLE)
- ONE-WAY SWITCH (SINGLE GANG)
- ONE-WAY SWITCH (DOUBLE GANG)
- TWO-WAY SWITCH (SINGLE GANG)
- WALL SOCKET OUTLET (DOUBLE GANG)
- SERVICE SOCKET OUTLET
- WATERPROOF WALL SOCKET OUTLET (SINGLE GANG)
- WATERPROOF SERVICE SOCKET OUTLET (SINGLE GANG) 1.8 H
- CEILING FAN 1.2M DIA
- D-BOARD
- P WELL WATER PUMP

NOTE:

ALL HEIGHTS ARE FROM FINISHED FLOOR LEVEL

ALL WALL SOCKET OUTLETS ARE 0.3M AFFL EXCEPT WHERE STATED

ALL LIGHT SWITCHES ARE AT 1.2M AFFL

Ministry of Environment, Climate Change and Technology
Green Building, Handhuvareehigun
Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
Email: info@water-solutions.biz

Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

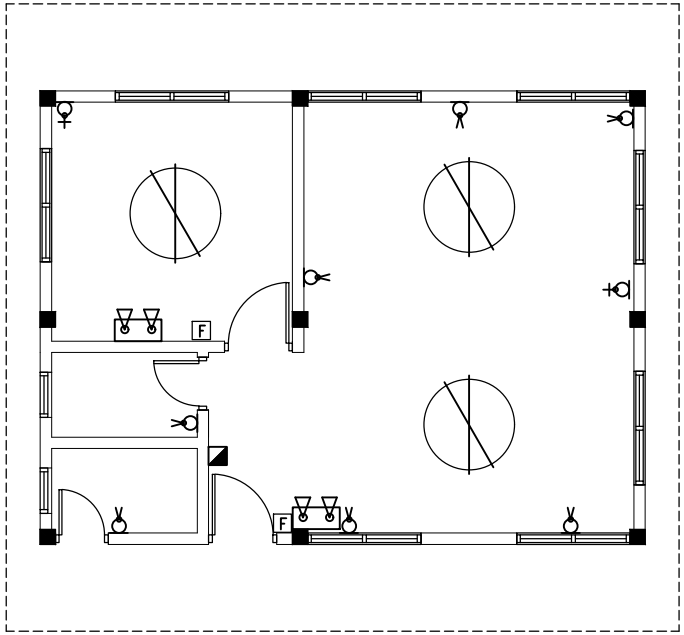
DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
14



FAN & POWER LAYOUT PLAN

1:100

ELECTRICAL LEGEND

- CEILING RECESSED E/S DOWN LIGHT
- WATERPROOF SPOTLIGHT LV HALOGEN
- EMERGENCY LIGHT(RECHARGEABLE)
- ONE-WAY SWITCH (SINGLE GANG)
- ONE-WAY SWITCH (DOUBLE GANG)
- TWO-WAY SWITCH (SINGLE GANG)
- MAINS CONTROL
- WALL SOCKET OUTLET (DOUBLE GANG)
- SHAVER SOCKET OUTLET (SINGLE GANG) 1.2M H
- SERVICE SOCKET OUTLET
- WATERPROOF WALL SOCKET OUTLET (SINGLE GANG)
- WATERPROOF SERVICE SOCKET OUTLET (SINGLE GANG) 1.8 H
- CEILING FAN 1.2M DIA
- D-BOARD
- FAN DIMMER

ALL HEIGHTS ARE FROM FINISHED FLOOR LEVEL

ALL WALL SOCKET OUTLETS ARE 0.3M AFFL EXCEPT WHERE STATED

ALL LIGHT SWITCHES ARE AT 1.2M AFFL

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KOCKS CONSULT GMBH
Stegemannstr. 32-38
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Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
Email: info@water-solutions.biz

Construction of Island Waste Management Centers

OFFICE BUILDING
TYPE-A

DESIGNED	KASDARLI
DRAFTED	JALEEL
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
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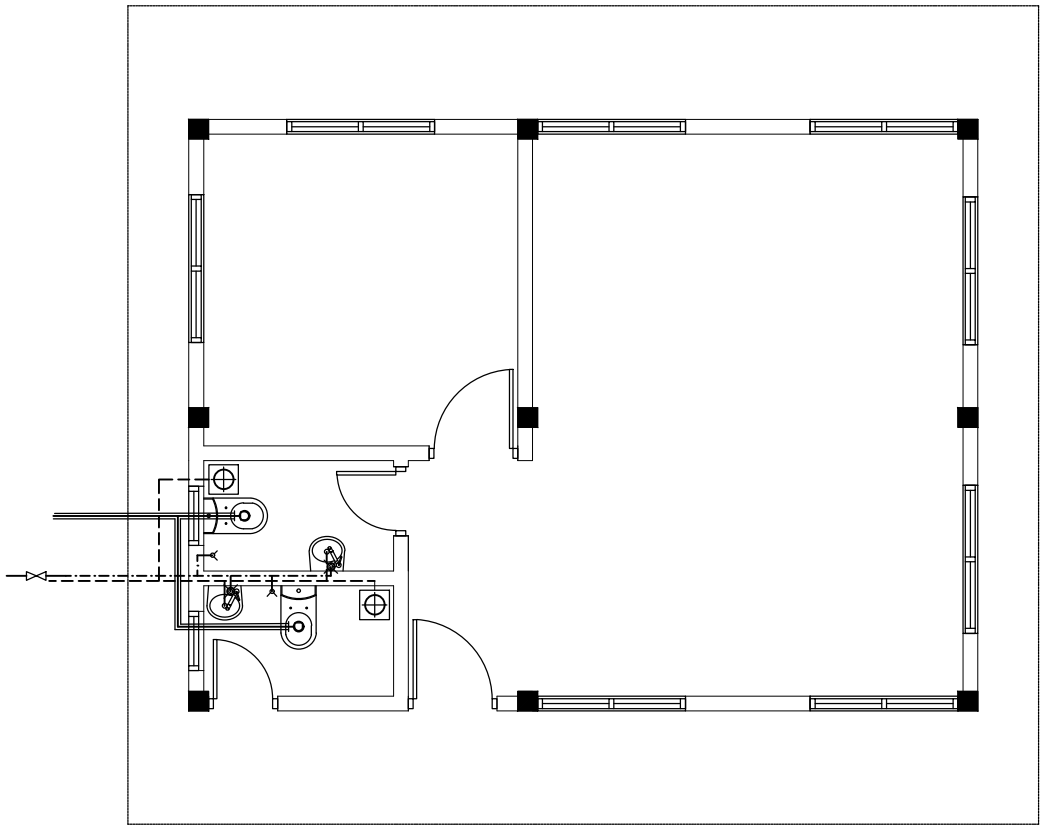

SEWAGE DISPOSAL AND WATER SUPPLY LAYOUT PLAN

PLUMBING LEGEND

MUSLIM SHOWER	DIA 100 WASTE PIPE
FAUCET	DIA 50 WASTE PIPE
SHOWER ROSE	DIA 12 COLD WATER SUPPLY
DIA 100 DRAIN	
CLEAN-OUT HATCH	
GATE VALVE	

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WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
Email: info@water-solutions.biz

Construction of Island Waste Management Centers

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AMMENDMENTS

DESIGN	

Scale	Paper
AS GIVEN	A4

Drawing No.
16

Construction of
Island Waste Management Center

SHED TYPE-A

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Green Building, Handhuvareehigun
Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
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4th FL, M. Niadhurumaage
Tel: +960 3341643
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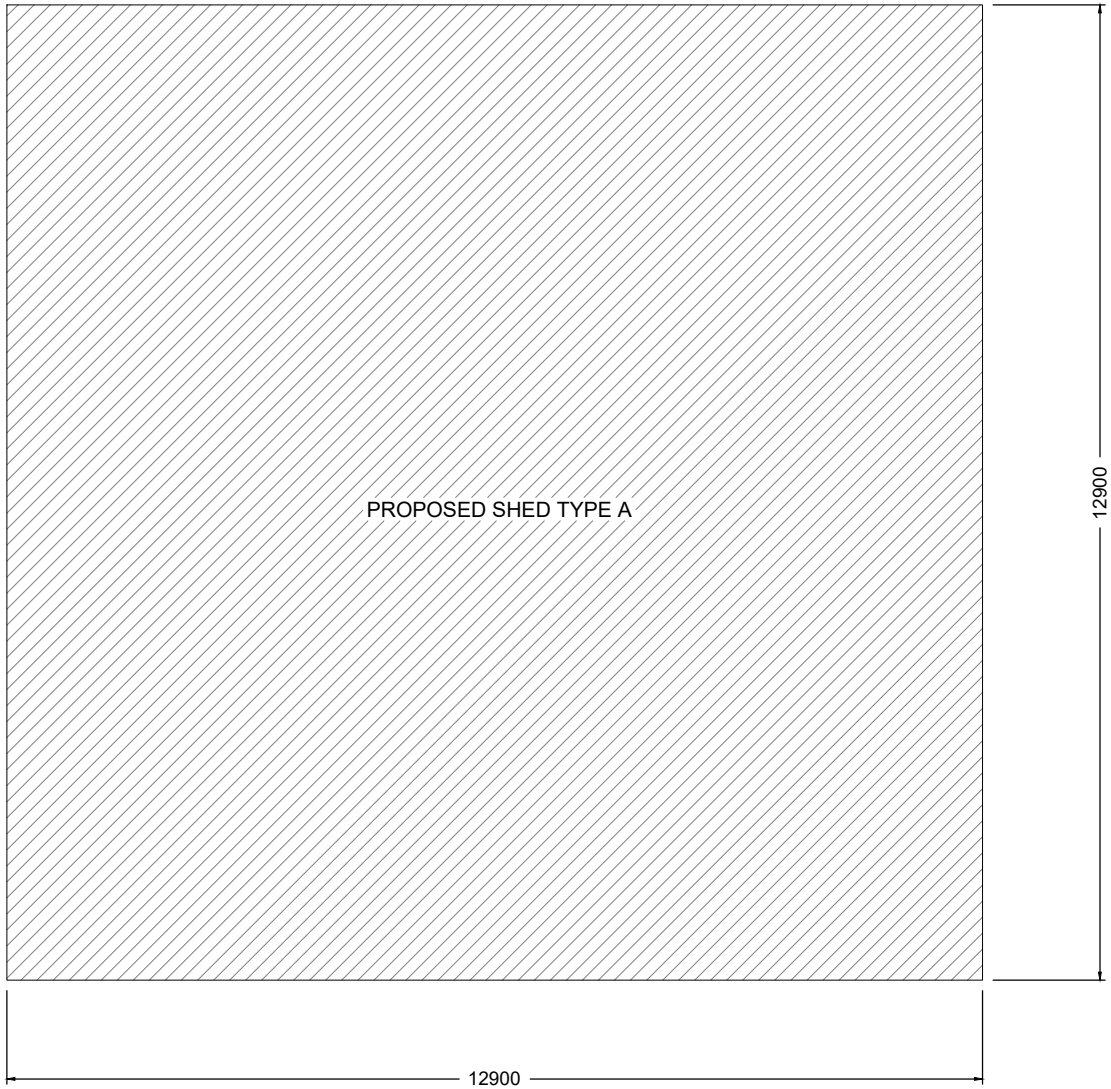

SITE PLAN

1:100

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Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
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Construction of Island Waste Management Centers

SHED
TYPE-A

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CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
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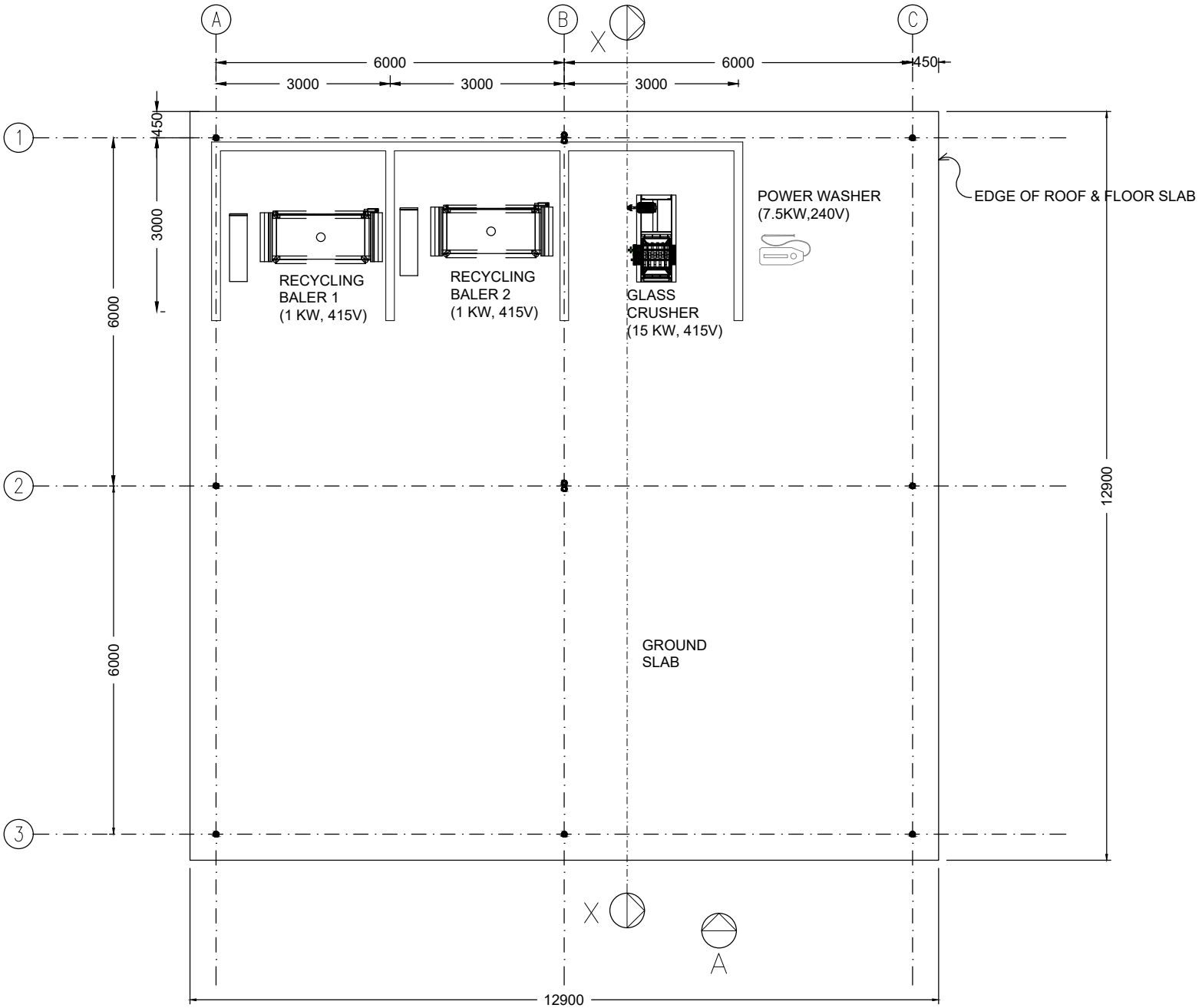

GROUND FLOOR LAYOUT PLAN

1:100

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Green Building, Handhuvareehigun
Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
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Construction of Island Waste Management Centers

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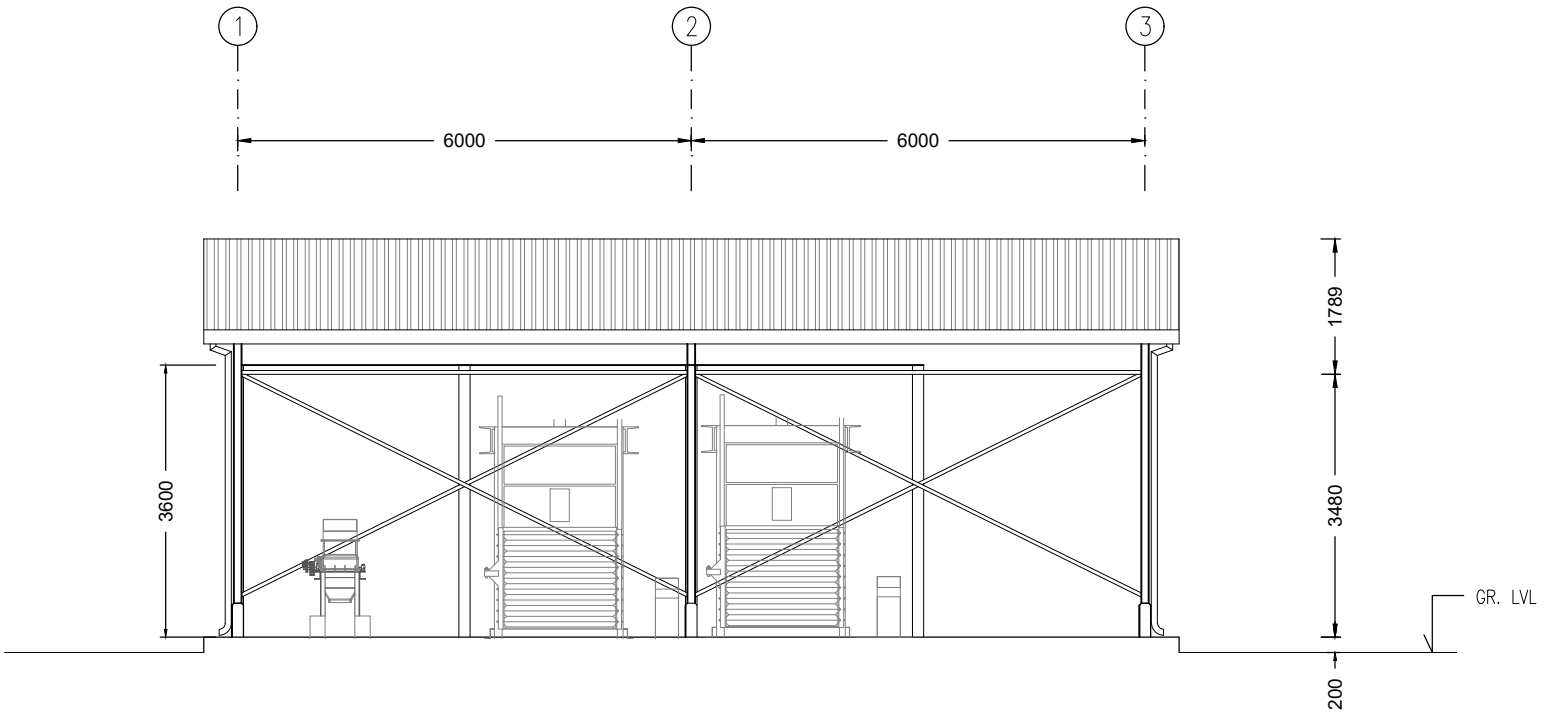
AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
2



ELEVATION A

1:100

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Green Building, Handhuvareehigun
Rep of Maldives

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Stegemannstr. 32-38
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WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
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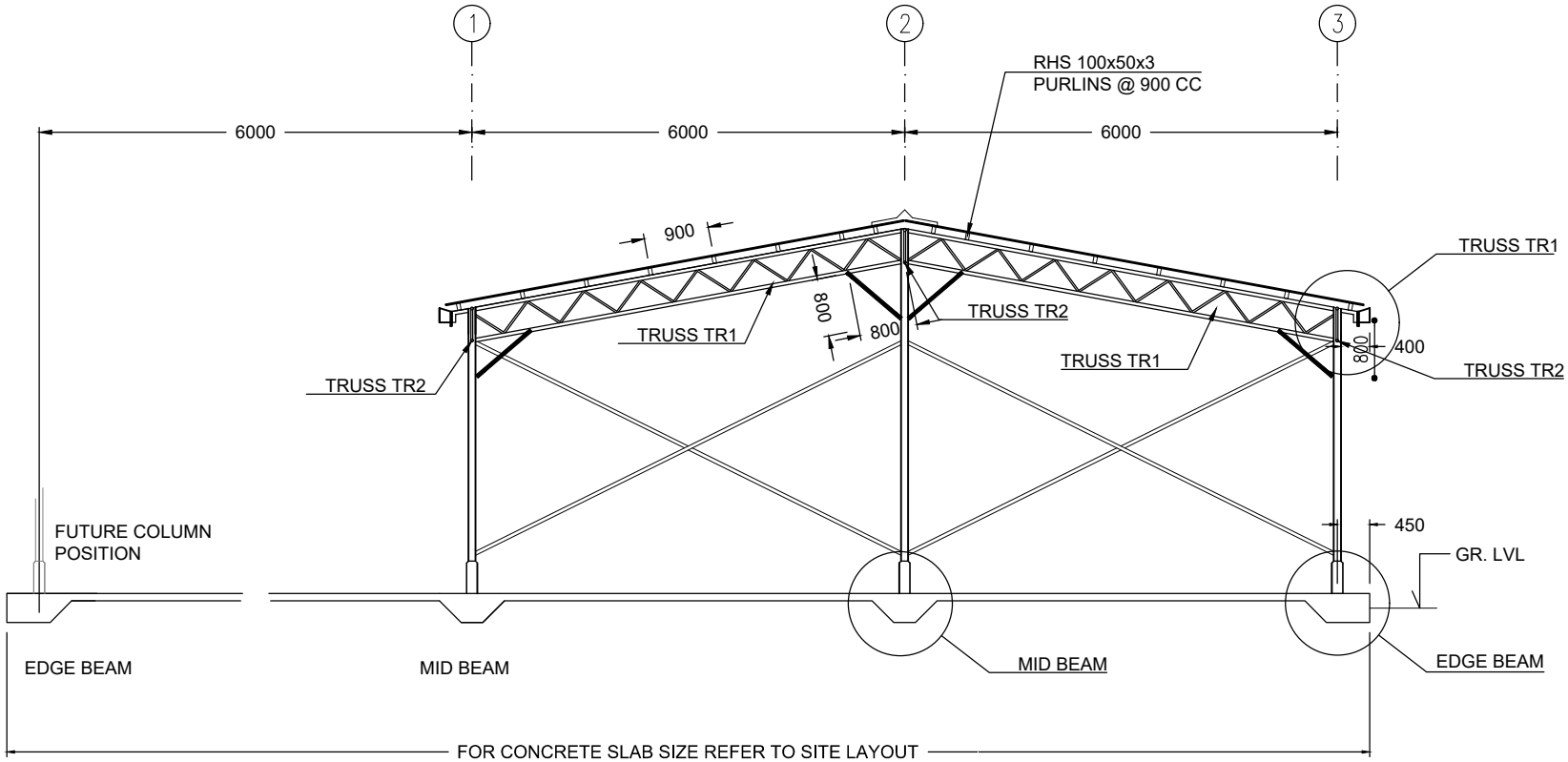
AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
3



SECTION X-X

1:100

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Green Building, Handhuvareehigun
Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
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Construction of Island Waste Management Centers

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AMMENDMENTS

DESIGN	

Scale	Paper
AS GIVEN	A4

Drawing No.
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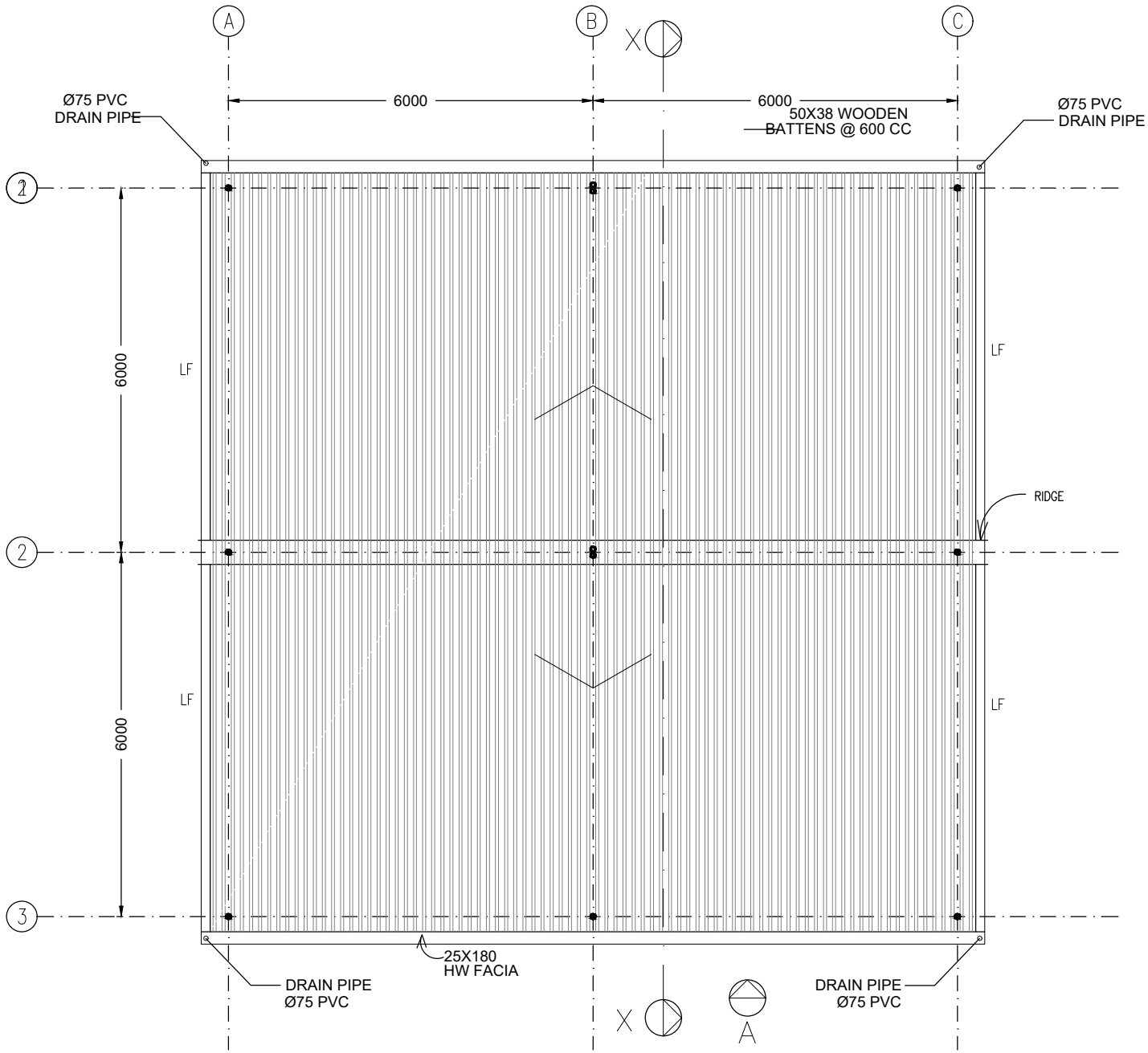

ROOF PLAN

1:100

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Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
Email: info@water-solutions.biz

Construction of Island Waste Management Centers

SHED
TYPE-A

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CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN	

Scale	Paper
AS GIVEN	A4

Drawing No.
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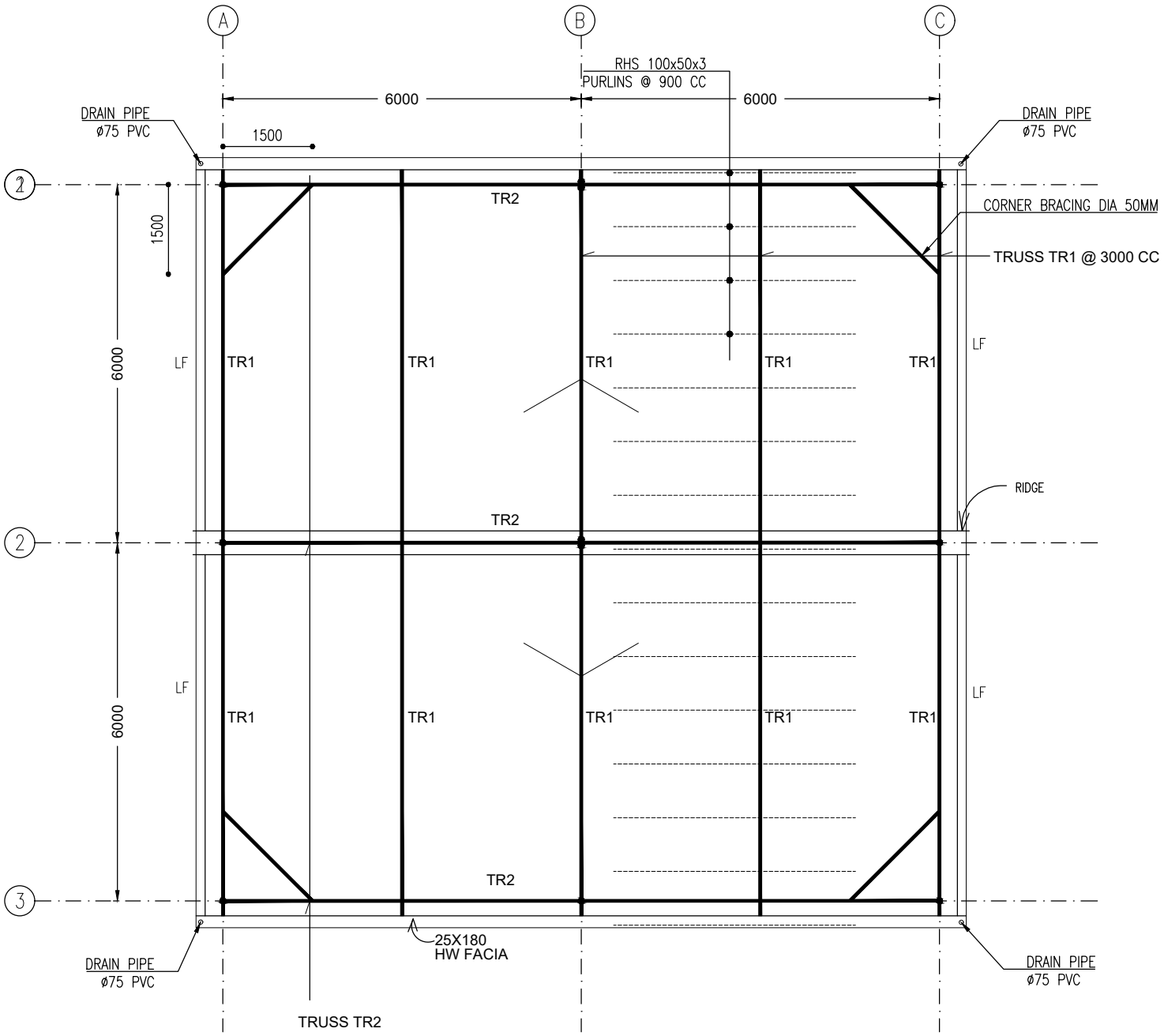

ROOF STRUCTURE

1:100

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Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
Email: info@water-solutions.biz

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AMMENDMENTS

DESIGN

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Drawing No.
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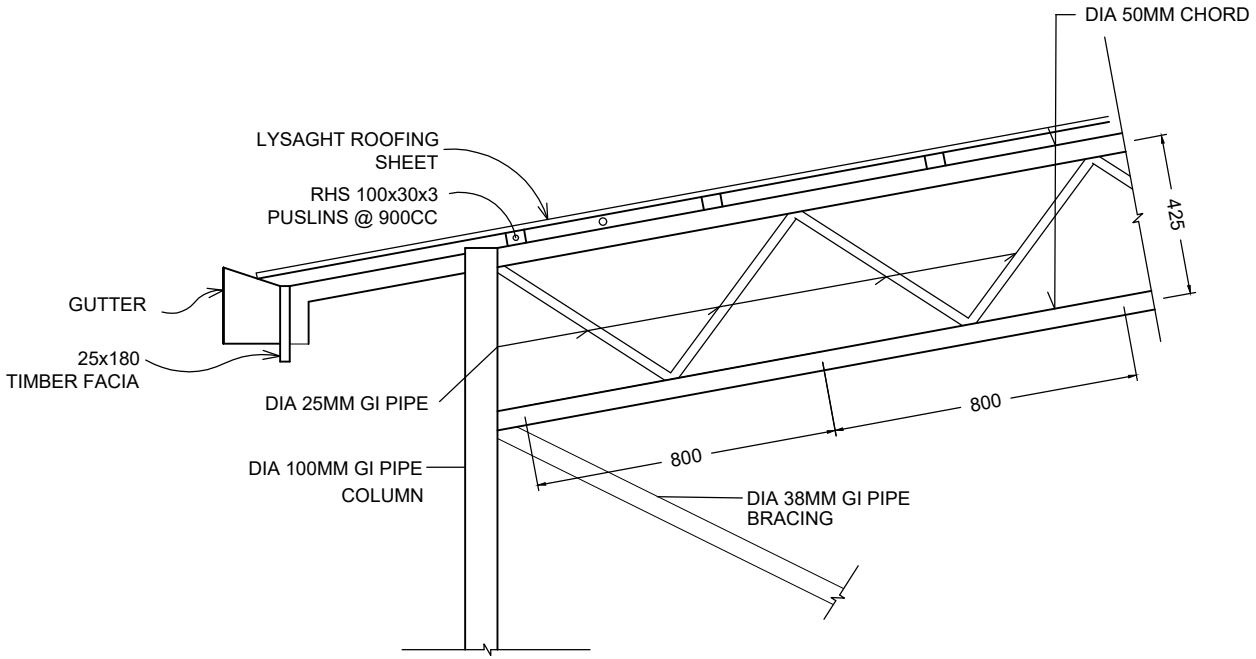
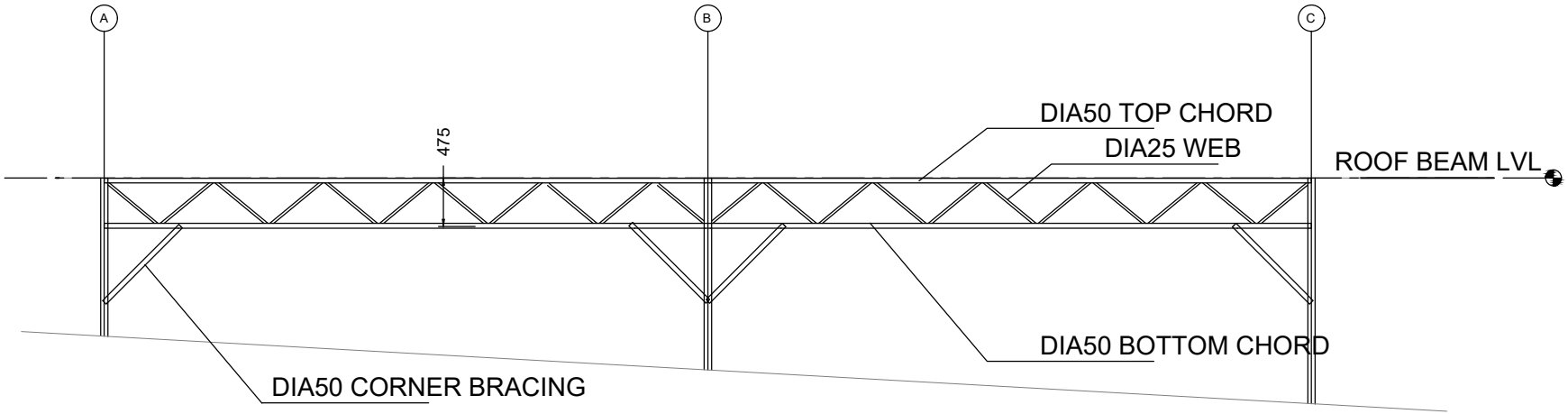


TR-1

1:20



TR-2

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Green Building, Handhuvareehigun
Rep of Maldives

KOCKS INGENIEURE
KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WS
WATER SOLUTIONS PVT LTD
4th FL, M. Nladhurumaage
Tel: +960 3341643
Email: info@water-solutions.biz

Construction of Island Waste Management Centers

SHED
TYPE-A

DESIGNED	KASDARLI
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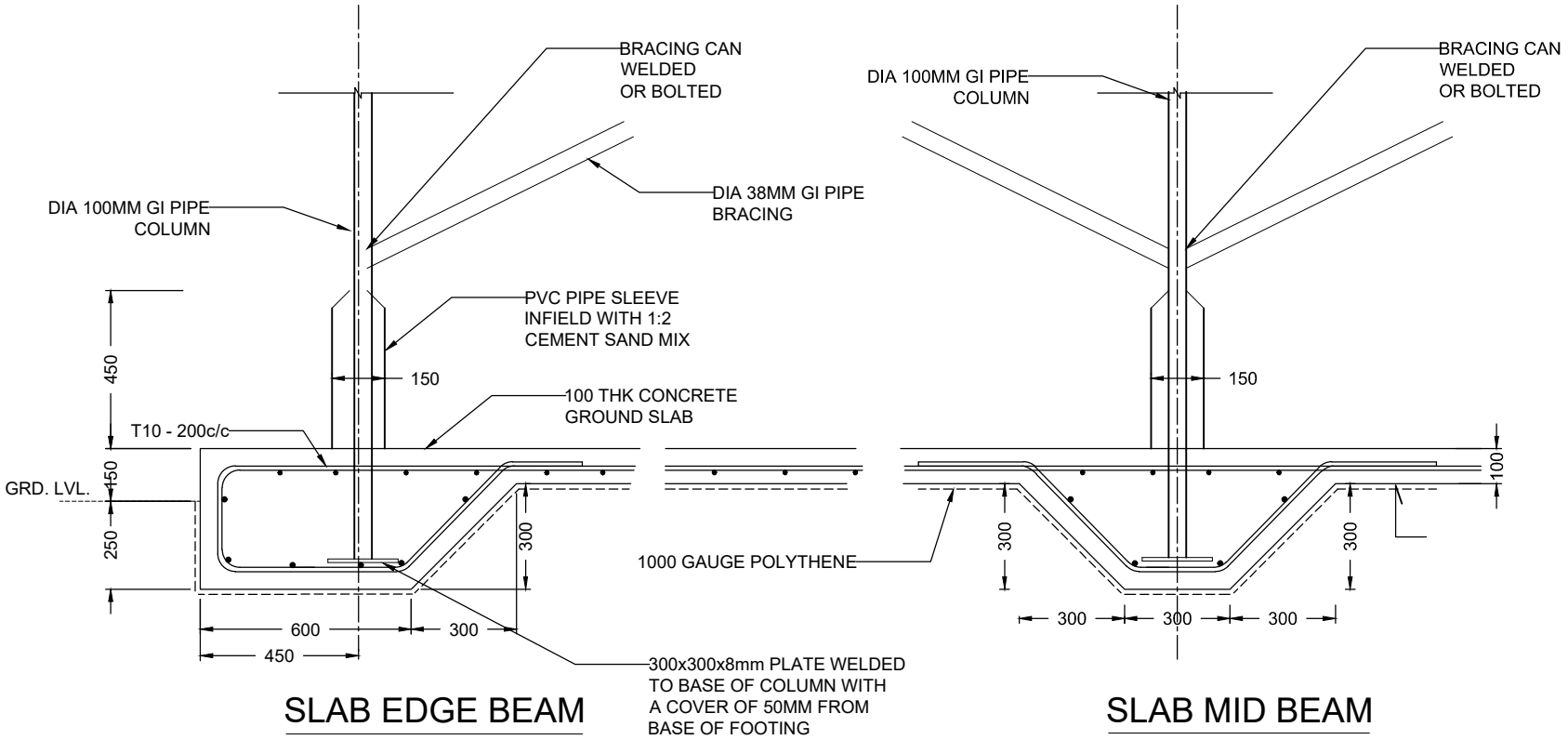
AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
7



SLAB EDGE BEAM

1:20

C1

SLAB MID BEAM

1:20

C2

TYPICAL CONCRETE SLAB DETAILS - Shed, Hazardous waste, Concrete Slab

1:20

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Green Building, Handhuvareehigun
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KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
Email: info@water-solutions.biz

Construction of Island Waste Management Centers

SHED
TYPE-A

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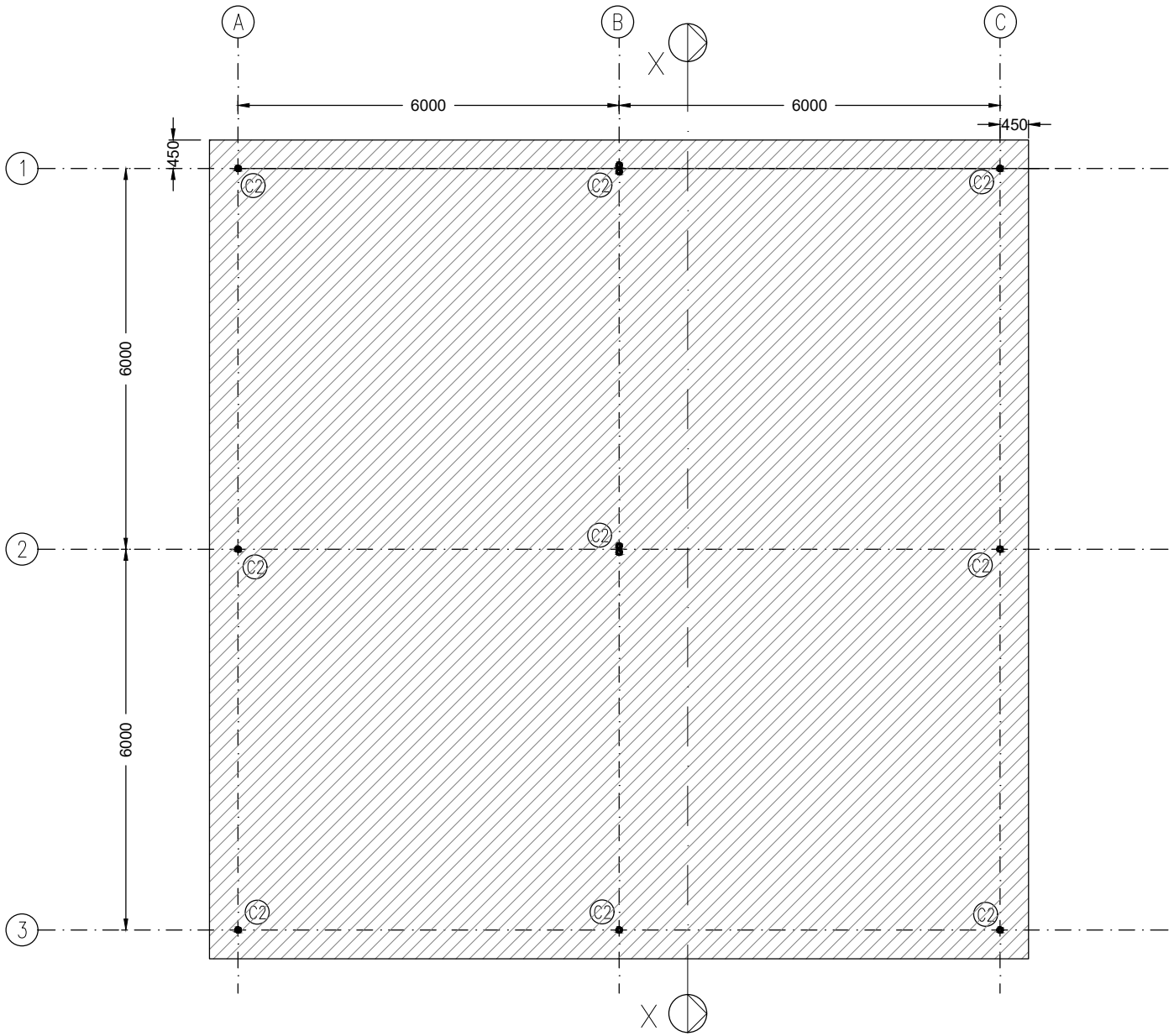
CHECKED	FAYAZ
PROJECT#	213-98616

AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
8



SHED CONCRETE SLAB LAYOUT PLAN

1:100

100 THICK CONCRETE SLAB ON GROUND
1000 GAUGE POLYTHENE DPM ON
200 COMPACTED HARDCORE
SLAB RFMT: T10@200 BW

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Rep of Maldives

KOCKS CONSULT GMBH
Stegemannstr. 32-38
Tel: +49 261 1302-400
Email: info@kocks-ing.de

WATER SOLUTIONS PVT LTD
4th FL, M. Niadhurumaage
Tel: +960 3341643
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Construction of Island Waste Management Centers

SHED
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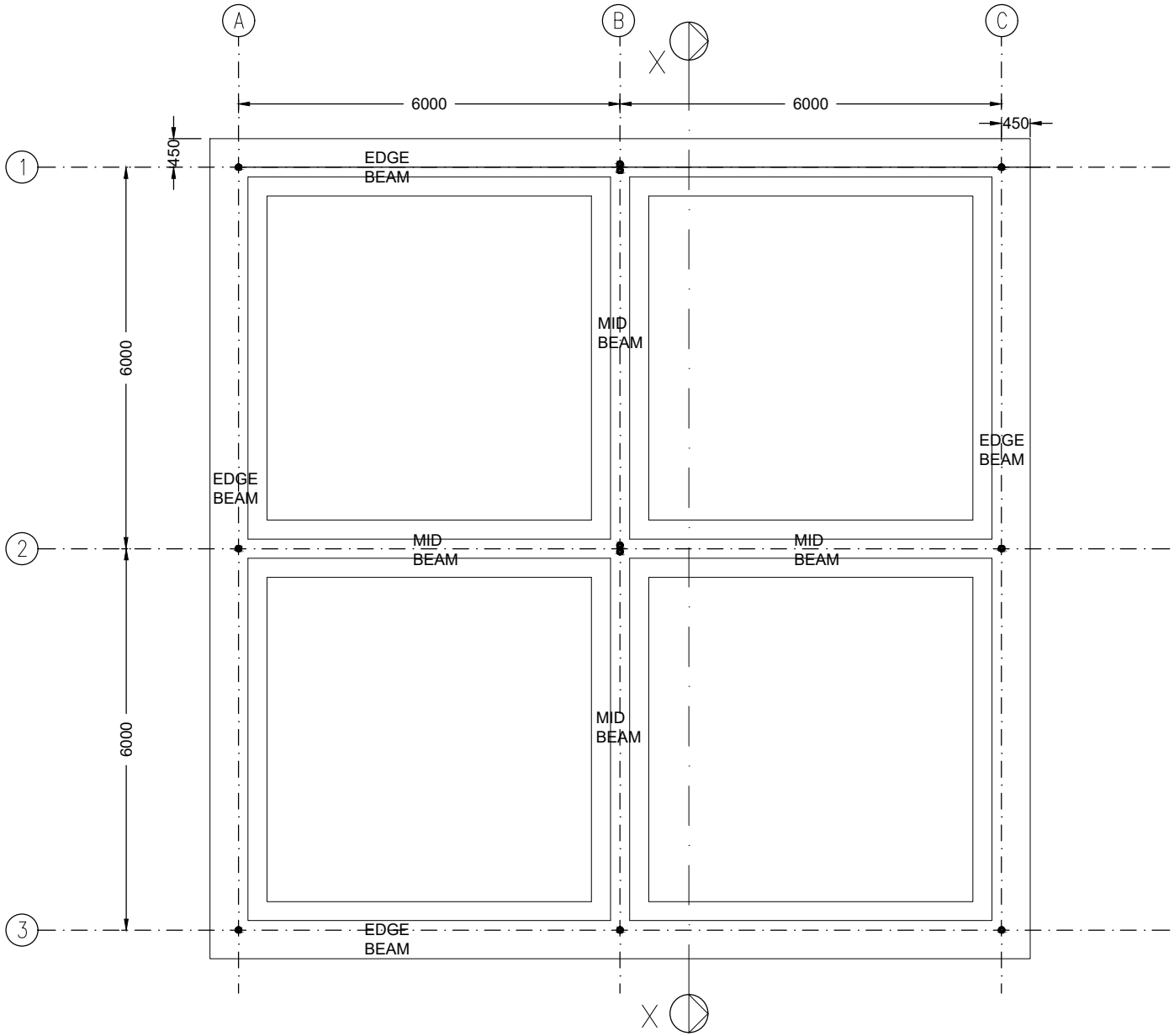
AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
9



SHED CONCRETE BEAM LAYOUT PLAN

1:100

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Stegemannstr. 32-38
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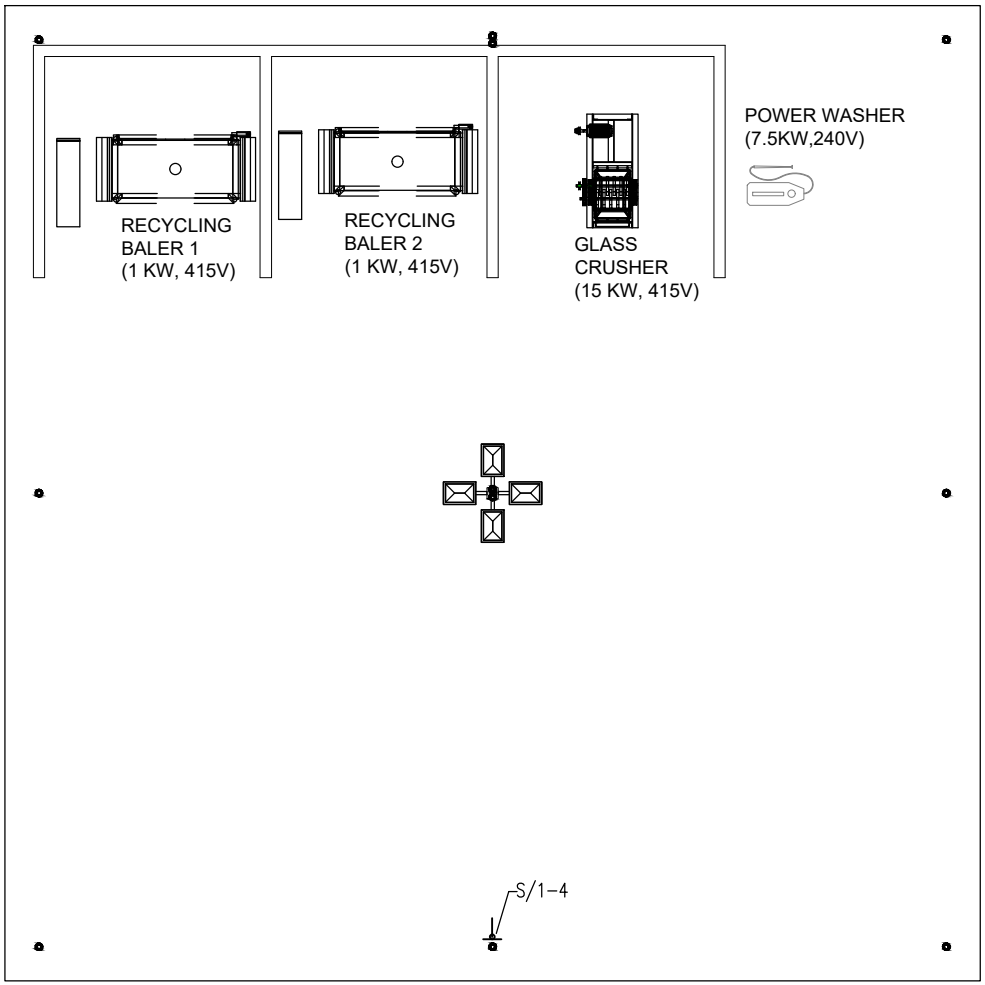
AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
10



LIGHTING & POWER LAYOUT

1:100

ELECTRICAL LEGEND

- MERCURY FLOOD LED LIGHT
- ONE-WAY SWITCH (SINGLE GANG)
- WATERPROOF WALL SOCKET OUTLET (SINGLE GANG) 1.2 AFFL
- WATERPROOF SERVICE SOCKET OUTLET (SINGLE GANG) 1.8 AFFL
- D-BOARD

NOTE:

ALL HEIGHTS ARE FROM FINISHED FLOOR LEVEL

ALL WALL SOCKET OUTLETS ARE 0.3M AFFL EXCEPT WHERE STATED

ALL LIGHT SWITCHES ARE AT 1.2M AFFL

ALL MACHINERY WILL BE SUPPLIED BY CLIENT

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Stegemannstr. 32-38
Tel: +49 261 1302-400
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Construction of Island Waste Management Centers

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AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
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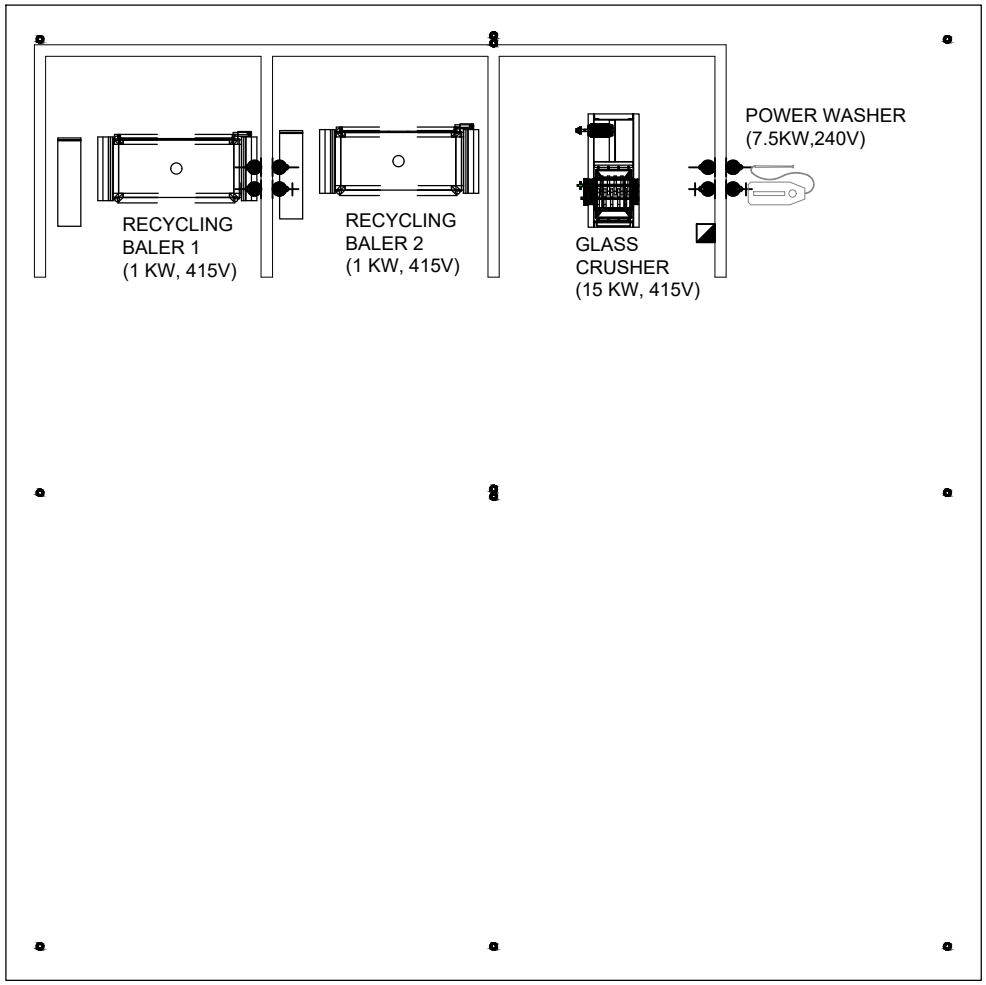

LIGHTING & POWER LAYOUT

1:100

ELECTRICAL LEGEND

- MERCURY FLOOD LED LIGHT
- ONE-WAY SWITCH (SINGLE GANG)
- WATERPROOF WALL SOCKET OUTLET (SINGLE GANG) 1.2 AFFL
- WATERPROOF SERVICE SOCKET OUTLET (SINGLE GANG)
- D-BOARD

NOTE:

ALL HEIGHTS ARE FROM FINISHED FLOOR LEVEL

ALL WALL SOCKET OUTLETS ARE 0.3M AFFL EXCEPT WHERE STATED

ALL LIGHT SWITCHES ARE AT 1.2M AFFL

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AMMENDMENTS

DESIGN

Scale	Paper
AS GIVEN	A4

Drawing No.
12