Preparation of Drawings for Gn.Fuvahmulah Campus (Security Block)

SERVICES DRAWINGS

Client: The Maldives National University

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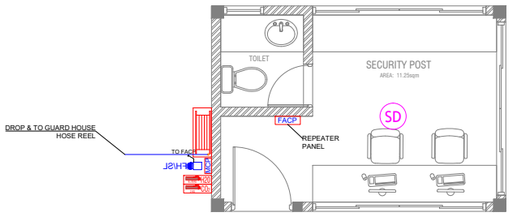

GROUND FLOOR - FDP LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

FDP LEGEND & ABBREVIATION

SD	SMOKE DETECTOR
HD	HEAT DETECTOR
FACP	FIRE ALARM CONTROL PANEL / REPEATER PANEL
MCP	FIRE MANUAL CALL POINT
FH/SL	FIRE ALARM SOUNDER WITH STROBE LIGHT 95DB
	FIRE EXTINGUISHERS - 9 LTRS H2O, 2KG CO2 & 6KG DRY CHEMICAL POWDER
	FIRE HOSE REEL W/ 25mmø HOSE & 30 METERS (WITHIN CABINET)
	PIPE - GI PIPE 50MMø, SCHEDULE 40
	PIPE - GI PIPE 25MMø, SCHEDULE 40
	FRLS DETECTION CIRCUIT - 1.5MM2 X 2 CORE

FDP NOTES

- ALL CALL POINTS, BEACONS AND DETECTORS CONNECTED TO THE RESPECTIVE FIRE ALARM CONTROL / REPEATER PANEL
- CONTRACTOR TO VERIFY CALCULATIONS, PREPARE SHOP DRAWINGS CONFORMING TO LOCAL REGULATIONS AND GET APPROVAL FROM CONSULTANT/PROJECT MANAGER FOR FIRE ALARM SYSTEM AND OTHER RELEVANT FDP POINT LOCATIONS INCLUDING CONDUITING, PIPING, WIRING AND OTHER RELEVANT EQUIPMENT AND TO BE VERIFIED AT SITE PRIOR TO CONSTRUCTION
- CONTRACTOR SHALL BE RESPONSIBLE TO MODIFY, CHANGE, REROUTE, RELOCATE THE FDP POINTS AS PER THE SITE CONDITIONS AND SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO CONSTRUCTION
- CIRCUIT CONNECTION BETWEEN DETECTORS, MCP, ANNUNCIATORS ETC SHALL BE CONFORM VIA LOOP INTERFACE MODULES (ADDRESSABLE) WITH A MAXIMUM OF 126 DEVICES PER LOOP
- ALL FIRE CABLES AND CONDUITS SHOULD BE FIRE RETARDANT LOW SMOKE (FRLS) TYPE
- CONTRACTOR SHALL BE RESPONSIBLE TO FORM THE EMERGENCY EVACUATION PLAN ACCORDING TO LOCAL REGULATIONS AND STANDARDS AND TO BE APPROVED BY THE RELEVANT AUTHORITIES
- IF THE INSTALLATION OF CEILING IS CARRIED OUT LOWER THAN BEAM BOTTOM, FIRE DETECTORS SHOULD BE PLACED AS INDICATED ON THE DRAWING. ALTERNATIVELY, IF THE CEILING IS NOT INSTALLED, FIRE DETECTORS ARE TO BE PLACED IN BETWEEN EACH BEAM.
- THE FIRE PUMP CAPACITY MUST BE SUCH THAT WHEN THE TOP TWO MOST REELS ARE IN SIMULTANEOUS USE, EACH JET PROVIDES A 30 L/MIN FLOW & 6M LENGTH
- ALL FDP EQUIPMENT & INSTALLATIONS MUST MEET THE REQUIREMENTS SET BY LOCAL REGULATION & GUIDELINES FROM MNDF.

GENERAL NOTES

REVISIONS

REV.NO.	REV.DATE	REV.DESCRIPTION	REV.BY	CHK.BY
REV.NO.	REV.DATE	REV.DESCRIPTION	REV.BY	CHK.BY

CONSULTANTS

LEAD CONSULTANT

LANDSCAPE DESIGN

REGISTERED LOCAL CONSULTANT

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PROJECT NO.	R21323MNU
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MEP ENGINEER	Mohamed Evan Ibrahim
INT. DESIGNER	-
INFRA. DESIGNER	-
DRAWN BY	DRAWNBY
CHECKED BY	CHKDBY
APPROVED BY	APRVD

PROJECT NAME

Preparation of Drawings for Gn. Fuvahmulah Campus (Security Block)

CLIENT	**The Maldives National University**
DEVELOPER	**-**
ATOLL	**Gnaviyani Atoll (GN.)**
ISLAND	**Gn. Fuvahmulah**
LAGOON (GPS COORDINATES)	**-**

ISSUED FOR

DDD_DETAIL_DESIGN

BUILDING NAME

SECURITY BLOCK

ISSUE DATE 23/02/2023

DRAWING TITLES

GROUND FLOOR
FIRE DETECTION AND PROTECTION LAYOUT

SHEET SIZE A3 | SCALE 1:100

SHEET NO.

FDP 001

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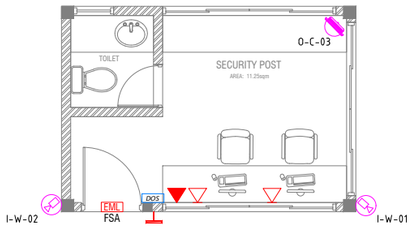

GROUND FLOOR - ICT LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

SECURITY LEGEND

	EXIT SWITCH
EML	ELECTROMAGNETIC LOCK
	CEILING MOUNTED DOME IP CAMERA
	WALL MOUNTED BULLET IP CAMERA
DOS	DOOR OPERATING SYSTEM
	TV DATA OUTLET
	DATA OUTLET

ICT NOTES

- ALL CCTV, ICT, AND ELECTRONIC ACCESS CONTROL (EAC) NETWORK POINTS CONNECTED TO THE RESPECTIVE CONTROL PANEL
- CONTRACTOR TO PREPARE SHOP DRAWINGS AND GET PRIOR APPROVAL FROM CONSULTANT/PROJECT MANAGER FOR EAC, CCTV, AND OTHER RELEVANT SECURITY POINTS INCLUDING CONDUITING AND WIRING AND TO BE VERIFIED AT SITE PRIOR TO CONSTRUCTION
- CONTRACTOR SHALL BE RESPONSIBLE TO MODIFY, CHANGE, REROUTE, RELOCATE THE ICT & SECURITY POINTS AS PER THE SITE CONDITIONS AND SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO CONSTRUCTION

F.R	FLOOR RECESSED / TABLE INTEGRATED
C.L	CEILING LEVEL OUTLETS
H.L	HIGH LEVEL OUTLETS ON WALL
FSA	FAIL-SAFE LOCK
FSE	FAIL-SECURE LOCK

CAMERA TAG DETAILS

X-Y-ZZ

- ZZ - DENOTES CAMERA NUMBER
- Y - DENOTES MOUNTING HEIGHT IN METERS AND MOUNTING TYPE
  - C - CEILING MOUNTED
  - W - WALL MOUNTED
  - P - POLE MOUNTED
  - S - SUSPENDED FROM CEILING
  - L - POLE MOUNTED
- X - DENOTES OPERATIONAL FUNCTION (IEC EN62676-4:2015)
  - D - DETECTION
  - O - OBSERVATION
  - R - RECOGNITION
  - I - IDENTIFICATION
  - V - VEHICLE VIEW
  - Z - PTZ ZOOM LENS (OPERATED BY SECURITY)

GENERAL NOTES

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LAGOON (GPS COORDINATES)	**-**

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DRAWING TITLES

GROUND FLOOR
ICT & SECURITY LAYOUT

SHEET SIZE A3 | SCALE 1:100

SHEET NO.

ICT 001

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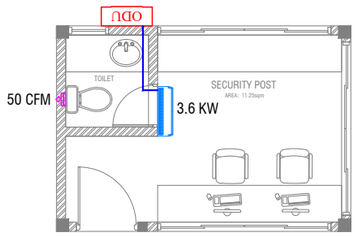

GROUND FLOOR - ACMV LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

NOTE

-The AC unit shall be suitable for operation under tropical condition with ambient temperature and relative humidity

-The minimum Energy efficient value [EER]for AC unit Should be 3.5 [KW/KW]

-All ACV equipments shall be anti corrosive coated

-Aluminium cladding to be provided over the insulation for the exposed duct and pipe works

- U Trap shall be provided in the drain piping (wherever required)

-Air outlet shall be completely factory aluminium extruded with powder coated and the colour shall be the approval of the interior design

-Air outlet location and size shall be adjusted to suit reflected ceiling drawing,or site condition

-Louver with bird screen to be provided for all the fresh air and exhaust air duct

-Kitchen hood exhaust should be provided in the kitchen areas

-Contractor shall be responsible to provide electrical power requirements to electrical contractor

-Contractor shall be responsible to design check, prepare shop drawings to conforming to local regulations and get approval from consultant/project manager for ACMV points including conduiting,piping and other relevant equipment and to be verified at site prior to construction

-Contractor shall be responsible for coordination of all other services

-Contractor shall be responsible to modify,change,reroute,re locate as per the site condition and submit shop drawing for approval

-Contractor to provided detailed shop drawings before starting works

ACMV LEGEND	
	WALL MOUNTED UNIT
ODU	OUTDOOR UNIT [SIDE DISCHARGE]
	REFRIGERANT PIPES WITH INSULATION
	WALL MOUNTED FAN

GENERAL NOTES

REVISIONS

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CONSULTANTS

LEAD CONSULTANT

LANDSCAPE DESIGN

REGISTERED LOCAL CONSULTANT

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APPROVED BY	APRVD

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DEVELOPER	**-**
ATOLL	**Gnaviyani Atoll (GN.)**
ISLAND	**Gn. Fuvahmulah**
LAGOON (GPS COORDINATES)	**-**

ISSUED FOR

DDD_DETAIL_DESIGN

BUILDING NAME

SECURITY BLOCK

ISSUE DATE 23/02/2023

DRAWING TITLES

GROUND FLOOR
AIR-CONDITIONING & MECHANICAL VENTILATION LAYOUT

SHEET SIZE A3 | SCALE 1:100

SHEET NO.

ACMV 001

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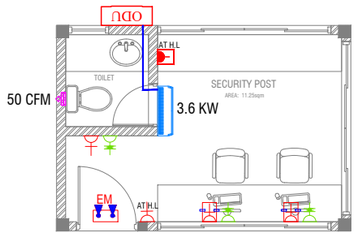
POWER SUPPLY LEGEND:	
SYMBOL	DESCRIPTION
	TWO-GANG TV SOCKET OUTLET
	13A POWER OUTLET
	20A SOCKETS FOR AC
	13A TWIN SOCKET OUTLET
	16A SWITCHED SOCKET OUTLET@H.L
	SINGLE PHASE INDUSTRIAL SOCKET-IP-66
	THREE PHASE INDUSTRIAL SOCKET-IP-66
	WEATHER PROOF POLYCARBONATE ENCLOSURE
EM	EMERGENCY TWIN LIGHT - WEATHER PROOF
	DISTRIBUTION BOARD

NOTE :

1. ALL POWER POINTS CONNECTED TO THE RESPECTIVE DB
2. CONTRACTOR TO PREPARE SHOP DRAWINGS AND GET APPROVAL FROM CONSULTANT/PROJECT MANAGER FOR ALL LIGHTS, SWITCHES, DB, PANEL BOARD, EAC, REQUIRED ISOLATORS, ACV SERVICES AND OTHER RELEVANT LIGHTING AND POWER POINT LOCATIONS INCLUDING CONDUITING AND WIRING AND TO BE VERIFIED AT SITE PRIOR TO CONSTRUCTION
3. CONTRACTOR SHALL BE RESPONSIBLE TO MODIFY, CHANGE, REROUTE, RELOCATE THE LIGHTING AND POWER POINTS AS PER THE SITE CONDITIONS AND SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO CONSTRUCTION
4. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ELECTRICAL POWER REQUIREMENTS AND POWER POINTS FOR MECHANICAL VENTILATION DEVICES TO ELECTRICAL CONTRACTOR
5. OT, RADIOLOGY, ECG/EEG AND SCAN ROOMS' POWER CONSUMPTION IS IN GENERAL. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH RELEVANT EQUIPMENT MANUFACTURERS REGARDING EQUIPMENT POWER CONSUMPTION.
6. ALL ELECTRICAL COMPONENT CONNECTED TO THEIR RESPECTIVE DB.
7. POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT OUTDOOR.
8. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH ACV CONTRACTOR FOR POWER REQUIREMENTS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL OTHER SERVICES.
10. CONTRACTOR SHALL BE RESPONSIBLE TO MODIFY CHANGE, REROUTE RELOCATE AS PER SITE CONDITION AND SUBMIT SHOP DRAWINGS FOR APPROVAL.
11. CONTRACTOR TO PROVIDE DETAIL SHOP DRAWINGS PRIOR TO INITIATE WORKS ON SITE.



GROUND FLOOR - POWER LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

GENERAL NOTES

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PROJECT NAME

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DEVELOPER	**-**
ATOLL	**Gnaviyani Atoll (GN.)**
ISLAND	**Gn. Fuvahmulah**
LAGOON (GPS COORDINATES)	**-**

ISSUED FOR

DDD_DETAIL_DESIGN

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SECURITY BLOCK

ISSUE DATE 23/02/2023

DRAWING TITLES

GROUND FLOOR
ELECTRICAL POWER LAYOUT

SHEET SIZE	A3	SCALE	1:100

SHEET NO.

EP 001

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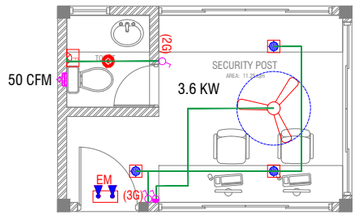

GROUND FLOOR - LIGHTING LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

POWER SUPPLY LEGEND:	
SYMBOL	DESCRIPTION
	LED LINEAR TYPE LIGHT FIXTURES(600mm) (15W)
	LED INDOOR WALL LIGHT UP/DOWN (20W)
	LED MIRROR LIGHT IP65 (3W)
	LED RECESSED LIGHT TYPE 2 (15W)
	OUTDOOR WALL LIGHT 18W-WEATHER PROOF
	LED LIGHT (10W)
	LED INDOOR WALL READING TABLE LIGHT (10W)
	FLEX.POWER OUTLET WITH COVER PLATE (EXHAUST FAN)
	CEILING FAN (52''-54'')
	OUTDOOR UP LIGHT 12W-WEATHER PROOF
	LIGHTING SWITCH-ONE GANG-1200mm F.F.L
	FAN SWITCH W/REGULATOR-1200mm F.F.L
	LIGHTING SWITCH-TWO WAY -1200mm F.F.L
	LIGHTING SWITCH-DOUBLE POLE -1200mm F.F.L
	WEATHER PROOF POLYCARBONATE ENCLOSURE
	LIGHTING CABLE

NOTE:

1. ALL LIGHTS TO BE CONNECTED TO THEIR RESPECTIVE DB
2. ALL CORRIDOR & OUTDOOR LIGHTS ARE TIMER CONTROL
3. CONTRACTOR TO PREPARE SHOP DRAWINGS AND GET APPROVAL FROM CONSULTANT AND/OR PROJECT MANAGER FOR ALL LIGHTS, SWITCHES, DB, PANEL BOARD AND OTHER RELEVANT LIGHTING AND POWER POINT LOCATIONS INCLUDING CONDUITING AND WIRING AND TO BE VERIFIED AT SITE PRIOR TO CONSTRUCTION ALL ELECTRICAL COMPONENT CONNECTED TO THEIR RESPECTIVE DB.
4. POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT OUTDOOR.
5. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH ACV CONTRACTOR FOR POWER REQUIREMENTS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL OTHER SERVICES.
7. CONTRACTOR SHALL BE RESPONSIBLE TO MODIFY CHANGE, REROUTE RELOCATE AS PER SITE CONDITION AND SUBMIT SHOP DRAWINGS FOR APPROVAL.
8. CONTRACTOR TO PROVIDE DETAIL SHOP DRAWINGS PRIOR TO INITIATE WORKS ON SITE.

GENERAL NOTES

REVISIONS

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ISLAND	**Gn. Fuvahmulah**
LAGOON (GPS COORDINATES)	**-**

ISSUED FOR

DDD_DETAIL_DESIGN

BUILDING NAME

SECURITY BLOCK

ISSUE DATE 23/02/2023

DRAWING TITLES

GROUND FLOOR
ELECTRICAL LIGHTING LAYOUT

SHEET SIZE A3 | SCALE 1:100

SHEET NO.

EL 001

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PLUMBING GENERAL NOTES AND LEGENDS

GENERAL NOTES:

- ALL PLUMBING WORKS INCLUDED HEREIN BE EXECUTED IN ACCORDANCE TO THE PROVISIONS OF THE MALDIVES PLUMBING CODE, NATIONAL BUILDING CODE AND OTHER RELEVANT INTERNATIONAL AND LOCAL CODES AND STANDARDS SET BY THE AUTHORITY HAVING JURISDICTIONS.
- COORDINATE THE DRAWINGS WITH OTHER RELATED DRAWINGS AND SPECIFICATIONS. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
- ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELATIONS REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT OR ENGINEER.
- PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT THE SITE AND COORDINATE THE WORKS WITH THE UTILITY SERVICE PROVIDER FOR SEWER LINE EFFLUENT AND DISPOSAL POINT AND WATERLINE SERVICE CONNECTION POINT
- ALL SLOPES FOR SEWER HORIZONTAL BRANCHES SHALL BE MAINTAINED AT 2% MINIMUM UNLESS OTHERWISE SPECIFIED.
- SIZE OF THE WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- THE CONTRACTOR SHALL COORDINATE TO THE ENGINEER AND OTHER UTILITIES THE EQUIPMENT PLANS FOR THE REQUIRED EXACT SIZE, NUMBER AND LOCATIONS OF ALL SLEEVES OR OPENINGS THRU FLOOR SLABS AND WALLS.
- SANITARY INSTALLATIONS SHALL NOT IMPAIR THE STRENGTH OF ANY STRUCTURAL MEMBER. CONTRACTOR TO COORDINATE WITH STRUCTURAL FOR PLANS AND DETAILS.
- MATERIAL USED IN INSTALLATIONS SHALL BE OF APPROVED BRAND, FREE FROM ANY DEFECTS AND PASSES THE QUALITY SET FORTH BY THE REGULATORY AUTHORITY FOR STANDARDS.
- ALL FIXTURES SHALL BE INDIVIDUALLY VENTED OR AS INDICATED ON PLAN.
- WATER SUPPLY PIPES OR DISTRIBUTION LINE AND FITTINGS SHALL BE PPR-C PN10 CONFORMING TO DIN STANDARDS OR APPROVED EQUIVALENT.
- SANITARY, VENT AND DRAINAGE PIPES AND FITTINGS SHALL BE PVC IN ACCORDANCE TO ASTM D2564 OR APPROVED EQUIVALENT.
- SIZE OF THE SANITARY, STORM DRAINAGE, VENT AND WATER SUPPLY PIPES AND FITTINGS MUST CONFORM WITH THE SIZES STATED, SPECIFIED AND/OR SHOWN IN THESE PLANS. ALL PIPE SIZES INDICATED IN THE DRAWINGS ARE REFERENCE TO ITS OUTER DIAMETER AND DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- MINIMUM EARTH COVER OF 300MM SHALL BE OBSERVED FOR ALL SANITARY AND WATER SUPPLY LINES.
- CONNECT ALL SANITARY INSTALLATIONS WITH THE APPROPRIATE FITTINGS USING THE PROPER PROCEDURES AND METHODOLOGY. SEE MANUFACTURER'S STANDARD.
- CONDUCT PROPER ROUGHING-INS AND TESTING TO ENSURE THAT THE WORKS ARE LEAK FREE. ALL PRESSURED LINE MUST BE TESTED WITH PRESSURE 2.5 TIMES THE NORMAL WORKING PRESSURE.
- ALL PLUMBING FIXTURES SHALL BE AS PER ARCHITECT'S SPECIFICATIONS.
- ALL SANITARY INSTALLATIONS AS INDICATED HEREIN SHALL BE DONE AS PER PLANS AND SPECIFICATIONS. NO ALTERATIONS SHALL BE PERMITTED WITHOUT PRIOR APPROVAL OF THE DESIGNER. THE CONTRACTOR SHALL NOTIFY AND CONSULT THE DESIGNER AND OR ITS REPRESENTATIVE ON THIS REGARD.
- ALL PIPES SHALL BE PROVIDED WITH ADEQUATE SUPPORTS, BRACKETS AND HANGERS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR APPROVAL OF THE ENGINEER.
- CONTRACTOR TO PREPARE ALL NECESSARY SHOP DRAWINGS AND SHALL SECURE APPROVAL FROM CONSULTANT OR PROJECT MANAGER PRIOR TO CONSTRUCTION OR START OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MODIFY, CHANGE, REROUTE, RELOCATE PLUMBING POINTS AS PER ACTUAL SITE CONDITION AND SHALL SUBMIT PRIOR SHOP DRAWING/S FOR APPROVAL BEFORE COMMENCING THE WORK OF THE PROPOSAL.

BOOSTER PUMP NOTES:

- THE SPECIFIED PUMP HEAD EXCLUDES ANY PUMP LOSSES COMPONENTS.
- THE CONTRACTOR SHALL RECONFIRM THE PUMP HEAD AT SHOP DRAWING STAGE, PRIOR TO ORDERING OF THE EQUIPMENT. THE CONTRACTOR SHALL SUBMIT PRESSURE DROP CALCULATIONS ACCORDINGLY FOR THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE A SPECIFICATION COMPLIANT STATEMENT.
- THE CONTRACTOR SHALL COMPLETE AN ACOUSTIC REVIEW OF THE PUMPS INLINE WITH THE SPECIFICATIONS IN ORDER TO ACHIEVE THE SPECIFIED INTERNAL AND EXTERNAL NOISE AND VIBRATION REQUIREMENTS. ALL PUMPS SHALL BE INSTALLED ON INERTIA BASES UNLESS OTHERWISE SPECIFIED.

HOT AND COLD WATER SUPPLY LEGEND:

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WATER SUPPLY		
	COLD WATER SUPPLY LINE	NPT	NATIONAL PIPE THREAD
	HOT WATER SUPPLY LINE	IV	ISOLATION VALVE
	VALVE	GV	GATE VALVE
	3-WAY VALVE	CV	CHECK VALVE
	GLOBE VALVE	FLV	FLOAT VALVE
	CHECK VALVE	HB	HOSE BIB
	FLOAT VALVE	CWL	COLD WATERLINE
	END CAP OR END PLUG	HWL	HOT WATERLINE
	TAPS	FWL	FLUSHING WATERLINE
	PIPE DOWN	RWL	RECOVERED WATERLINE
	PIPE UP	HWL-RL	HWL - RETURN LINE
	WATER METER	CWL-AC	CWL - ABOVE CEILING
	PUMP	CWL-UG	CWL - UNDERGROUND
WH	WALL MOUNTED ELECT. WATER HEATER		
	RISER OR DOWNFEED		

SEWER, WASTE AND VENT SYSTEM LEGEND:

	SOIL, WASTE AND VENT SYSTEM		
	SOIL PIPE	SP / SS	SOIL PIPE / SOIL STACK
	WASTE PIPE	WP / WS	WASTE PIPE / WASTE STACK
	VENT PIPE	VP / VS	VENT PIPE / VENT STACK
	STACK	VSTR	VENT STACK THRU ROOF
	VENT STACK THRU ROOF	FCO / GCO	FLOOR CLEAN OUT/GROUND CLEAN OUT
	GROUND OR FLOOR CLEAN OUT	CCO	CEILING CLEAN OUT
	CEILING CLEAN OUT	WCO	WALL CLEAN OUT
	WALL CLEAN OUT	FG / FD	FLOOR GULLY / FLOOR DRAIN
	FLOOR DRAIN OR GULLY	AC	ABOVE CEILING
	COMMERCIAL KITCHEN SS FLOOR DRAIN	US	UNDER SLAB
	COMMERCIAL KITCHEN THROUGH/KETTLE TRENCH DRAIN, SS	UG	UNDERGROUND
SLOPE	SLOPE - FLOW DIRECTION		

DRAINAGE SYSTEM LEGEND:

	DRAINAGE SYSTEM		
	DRAIN PIPE	DP	DRAINAGE PIPE
AD	AREA DRAIN / CATCH BASIN	DS	DOWN SPOUT
	CANOPY DRAIN / PLANTERS BOX DRAIN	RWCP	RAINWATER COLLECTOR PIPE
	GUTTER DRAIN / DECK DRAIN	AD / CB	AREA DRAIN / CATCH BASIN
	FLOOR DRAIN / GULLY DRAIN	GD / DD	GUTTER DRAIN / DECK DRAIN
	POOL DRAIN / DRAIN INSIDE TRENCH	DJB	DRAINAGE JUNCTION BOX
DJB	DRAINAGE JUNCTION BOX	SI / CB	STREET INLET / CATCH BASIN
	STREET INLET AND CATCH BASIN	TDG	TRENCH DRAIN GRATING
	SCUPPER DRAIN	WP / WS	WASTE PIPE / WASTE STACK
	TRENCH DRAIN AND GRATING	DMH	DRAINAGE MANHOLE
MH	DRAINAGE ACCESS MANHOLE		

GENERAL NOTES

REVISIONS

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CONSULTANTS

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LANDSCAPE DESIGN

REGISTERED LOCAL CONSULTANT

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CHECKED BY	CHKDBY
APPROVED BY	APRVD

PROJECT NAME
Preparation of Drawings for Gn. Fuvahmulah Campus (Security Block)

CLIENT	**The Maldives National University**
DEVELOPER	**-**
ATOLL	**Gnaviyani Atoll (GN.)**
ISLAND	**Gn. Fuvahmulah**
LAGOON (GPS COORDINATES)	**-**

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BUILDING NAME
SECURITY BLOCK

ISSUE DATE 23/02/2023

DRAWING TITLES
PLUMBING GENERAL NOTES, LEGENDS & ABBREVIATIONS

SHEET SIZE A3 | SCALE 1:100

SHEET NO.
PL 001

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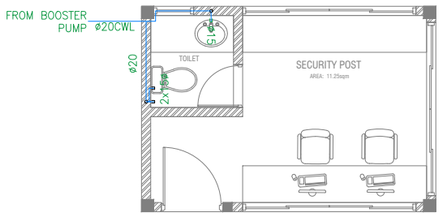

GROUND FLOOR - WATER SUPPLY LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

GENERAL NOTES

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ISLAND	**Gn. Fuvahmulah**
LAGOON (GPS COORDINATES)	**-**

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DRAWING TITLES

GROUND FLOOR
WATER SUPPLY LAYOUT

SHEET SIZE	A3	SCALE	1:100

SHEET NO.

WS 001

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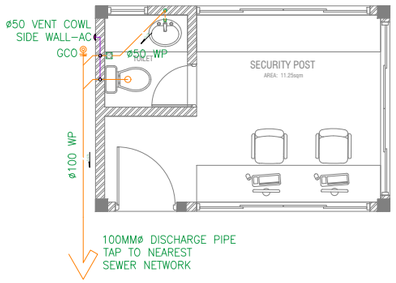

GROUND FLOOR - DRAINAGE & SEWERAGE LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

GENERAL NOTES

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DRAWING TITLES

GROUND FLOOR
DRAINAGE & SEWERAGE LAYOUT

SHEET SIZE A3 | SCALE 1:100

SHEET NO.

DRSW 001

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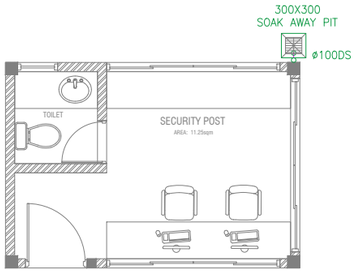

GROUND FLOOR - RAIN WATER LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

GENERAL NOTES

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GROUND FLOOR
RAINWATER DRAINAGE LAYOUT

SHEET SIZE	A3	SCALE	1:100

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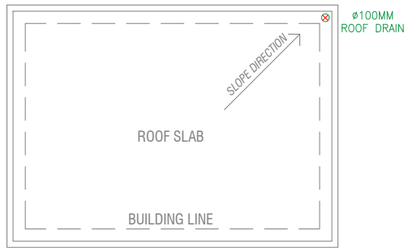

ROOF - RAIN WATER LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

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LAGOON (GPS COORDINATES)	**-**

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DRAWING TITLES

ROOF
RAINWATER DRAINAGE LAYOUT

SHEET SIZE	A3	SCALE	1:100

SHEET NO.

RDR 002

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