

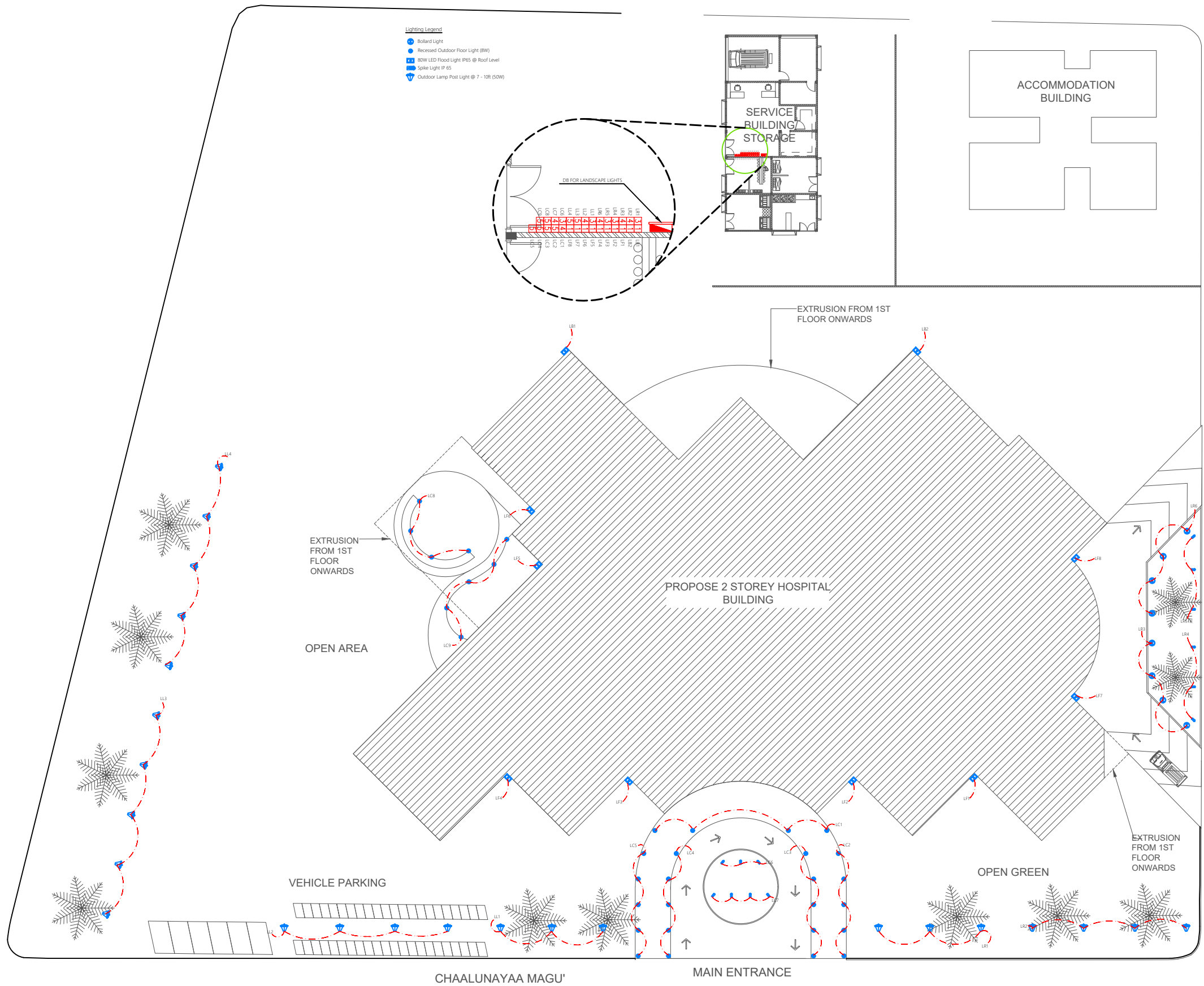
HA. HOARAFUSHI HOSPITAL BUILDING SERVICES DRAWINGS

CLIENT: MINISTRY OF HEALTH

DESIGN : SURVEY , DESIGN AND DEVELOPMENT SECTION | MTCC PLC

DATE: 19 AUGUST 2020

LOCATION: HA. HOARAFUSHI



LIGHTING LAYOUT | LANDSCAPE

SCALE 1:500



MTCC
MALDIVES TRANSPORT &
CONTRACTING COMPANY PLC

SURVEY DESIGN AND DEVELOPMENT SECTION
CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT
MTCC TOWER, BODU THAKURUPPANA MAGU, MALE 20181,
REPUBLIC OF MALDIVES.
PHONE: +(960) 332 6822 FAX: +(960) 333 3835
E-MAIL: design.development@mtcc.com.mv

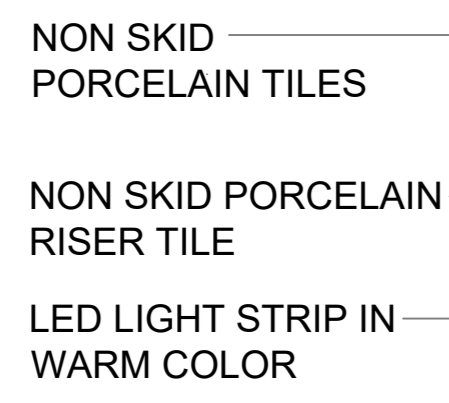
PROJECT TITLE	HA. HOARAFUSHI HOSPITAL BUILDING
DRAWING TITLE	AS GIVEN

CLIENT & ADDRESS	MINISTRY OF HEALTH
PROJECT LOCATION	HA. HOARAFUSHI

DESIGN ARCHITECT: SURVEYING, DESIGN AND DEVELOPMENT SECTION	ENGINEER: IBRAHIM THOAM	STRUCTURAL CHECKER: ABDULLA RAMEEZ	PAPER A3	SCALE AS GVN
	ARCHITECT: AMINATH ZOONA	ARCHITECTURAL CHECKER: IRFAN WAHEED	DATE 19-08-2020	
	DRAWN BY: RASSAM	CHECKED BY: AMINATH SAMAHA		

REV	DESCRIPTION	DATE	APPR

SHEET IDENTIFICATION NUMBER	L1.01
SHEET TITLE	01



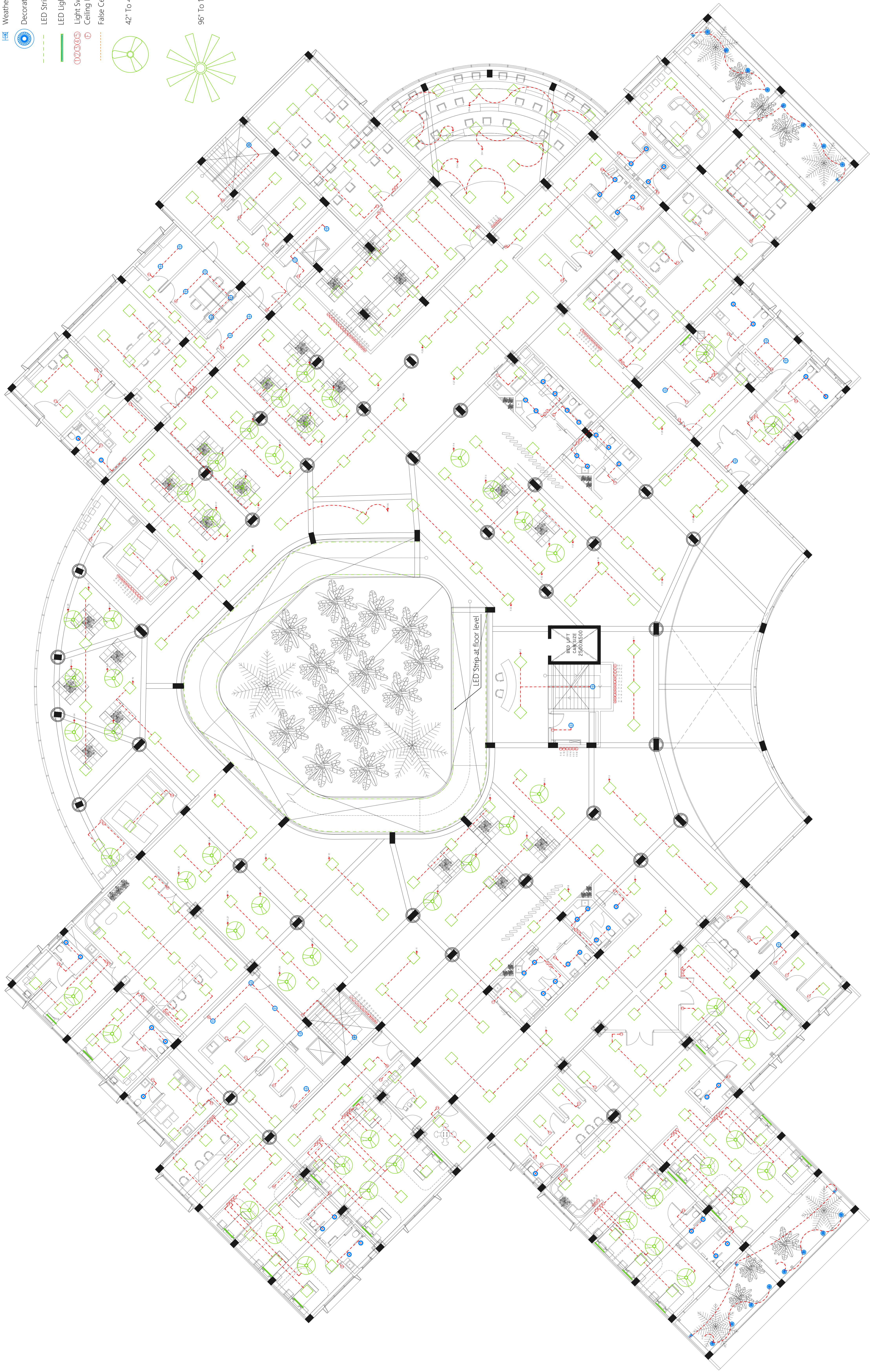
REFER TO DETAIL A


AT ROOF LEVEL


REFER TO DETAIL

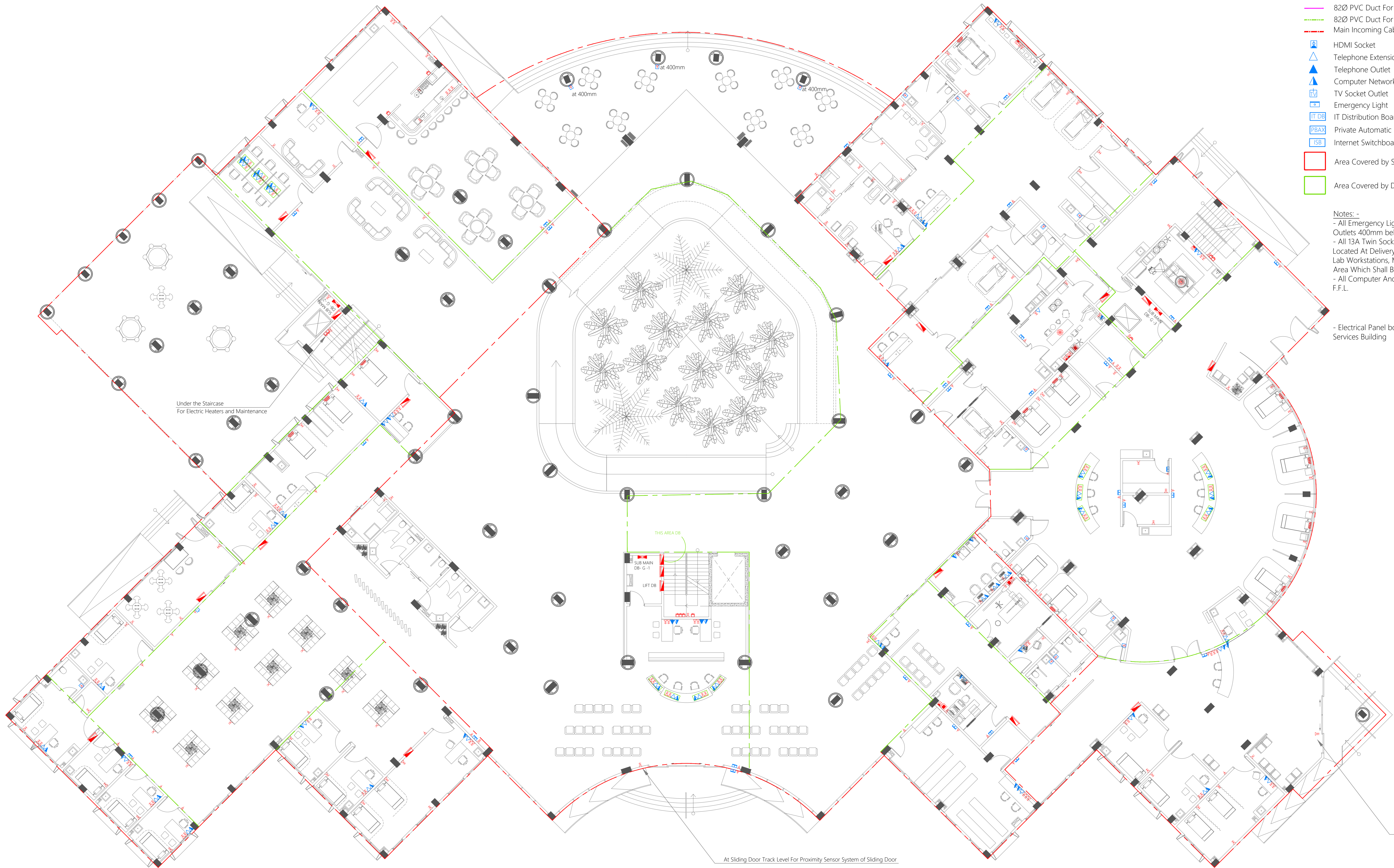
Lighting Legend

- 600 X 600 Rectangular LED Panel
- Recessed Baffle Trim Led Ceiling Light Type 2 (10w)
- Ceiling Recessed Spot Light (5w)
- Ceiling Light (12W)
- Bollard Light
- Pendant Light (12W)
- Recessed Outdoor Floor Light (3W)
- Weather Proof Wall Light IP55 (12W)
- Decorative Pendant Light
- LED Strip Light
- LED Light Incorporated in Medical Bed Head Unit
- Light Switch (1 Gang - 4 Gang)
- Ceiling Fan Switch With Controller
- False Ceiling
- 42" To 48" Ceiling Fan
- 96" To 120" Ceiling Fan



 W.T.C. WATSON TRADING & CONSTRUCTION COMPANY LTD. <small>WATSON TRADING & CONSTRUCTION COMPANY LTD. 100, AL-SAYED STREET, AL-SAYED DISTRICT, AL-SAYED CITY, AL-SAYED GOVERNORATE, AL-SAYED TEL: 011 2345 6789 FAX: 011 2345 6789 WWW.WTCLIBYON.COM</small>	PROJECT TITLE PA HOSPITAL HOSPITAL BUILDING	CLIENT MINISTRY OF HEALTH	DESIGN OBJECTIVE SURVEYING, DESIGN AND DEVELOPMENT SECTION	NO.	DESCRIPTION	NO.	DATE	REVISION
	ISSUED TITLE AS GIVEN	REQUESTOR PA HOSPITAL	ARCHITECT PA HOSPITAL ARCHITECTURAL DESIGNER PA HOSPITAL STRUCTURAL DESIGNER PA HOSPITAL MECHANICAL DESIGNER PA HOSPITAL ELECTRICAL DESIGNER PA HOSPITAL PLUMBING DESIGNER PA HOSPITAL HVAC DESIGNER PA HOSPITAL LIFT DESIGNER PA HOSPITAL FIRE DESIGNER PA HOSPITAL	1	1.01	1.01	1.01	1.01

<div><div>MCC MECHANICAL ELECTRICAL CONSTRUCTION</div></div>		PROJECT TITLE MECHANICAL & ELECTRICAL BUILDING	
PROJECT NO. MECH-ELEC-001		CLIENT NAME ABC COMPANY LTD.	
DESIGNER NAME J. DOE		DATE 2024-03-15	
REVISIONS		SCALE 1:50	
NO.		DESCRIPTION	
1		ISSUED FOR PERMIT	
2		ISSUED FOR CONSTRUCTION	
3		ISSUED FOR AS-BUILT	
ELECTRICAL LAYOUT GROUND FLOOR PLAN		SCALE: 1:50	
E101		MCC	



- Legend**
- 13A Twin Socket
 - 13A Twin Socket With USB Ports
 - 15A Switch @ 1200mm From F.F.L.
 - 15A Socket In Polycarbonate Box
 - 15A Power Socket
 - Power Outlets On Bed Head Unit
 - Power Outlets On Medical Pendant
 - 13A Power Socket
 - 13A Power Socket In Polycarbonate Box at 1100MM UNLESS INDICATED OTHERWISE
 - TPN Isolator
 - Distribution Board
 - Sub Main Distribution Board
 - 82Ø PVC Duct For Tel./Internet Cable Lead In Below Ground Slab
 - 82Ø PVC Duct For TV Cable Lead In Below Ground Slab
 - Main Incoming Cable For Power In 110Ø PVC Duct Below Ground Slab
 - HDMI Socket
 - Telephone Extension
 - Telephone Outlet
 - Computer Network Outlet
 - TV Socket Outlet
 - Emergency Light
 - IT DB
 - PBAX
 - ISB
 - Internet Switchboard
 - Area Covered by Sub Main Distribution Board
 - Area Covered by Distribution Board

Notes:-

- All Emergency Lights, 13A Power Sockets and TV Socket Outlets 400mm below False Ceiling level
- All 13A Twin Sockets At 300mm From F.F.L. Except Located At Delivery Room, Theater, Resuscitation Room, Lab Workstations, Medical Preparation Area and Pantry Area Which Shall Be At 1200mm From F.F.L.
- All Computer And Telephone Points At 300mm From F.F.L.

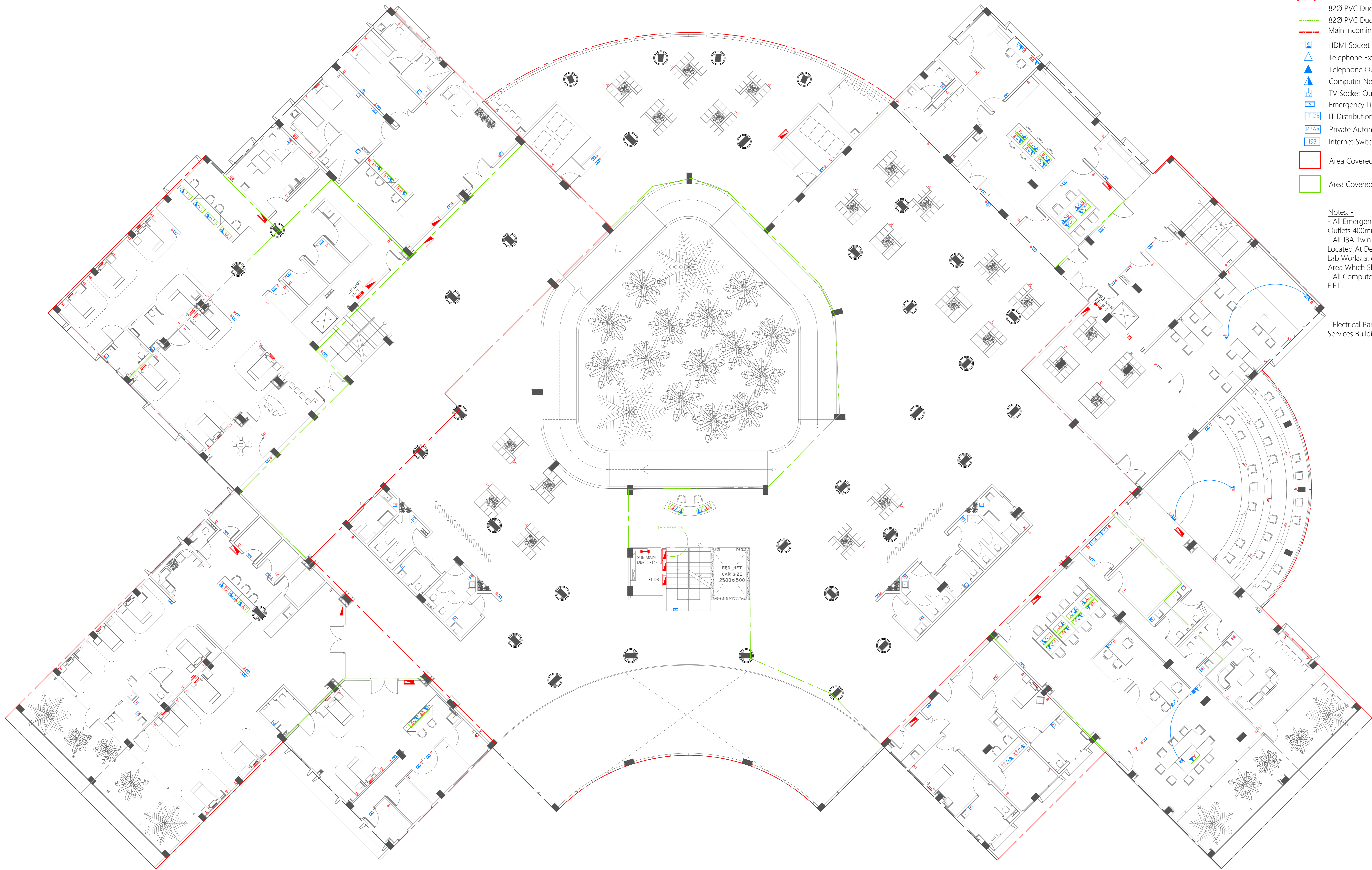
- Electrical Panel board with meter shall be installed in Services Building

At Sliding Door Track Level For Proximity Sensor System of Sliding Door

At Sliding Door Track Level For Proximity Sensor System of Sliding Door

PROJECT INFORMATION	
PROJECT NAME	PROJECT NUMBER
CLIENT NAME	CLIENT ADDRESS
DESIGNER NAME	DESIGNER ADDRESS
DATE	SCALE
REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR TENDER
2	FOR APPROVAL
3	FOR CONSTRUCTION
4	FOR AS-BUILT
5	FOR FINAL
ELECTRICAL LAYOUT FIRST FLOOR PLAN	
SCALE 1:100	
E/102	

ELECTRICAL LAYOUT | FIRST FLOOR PLAN

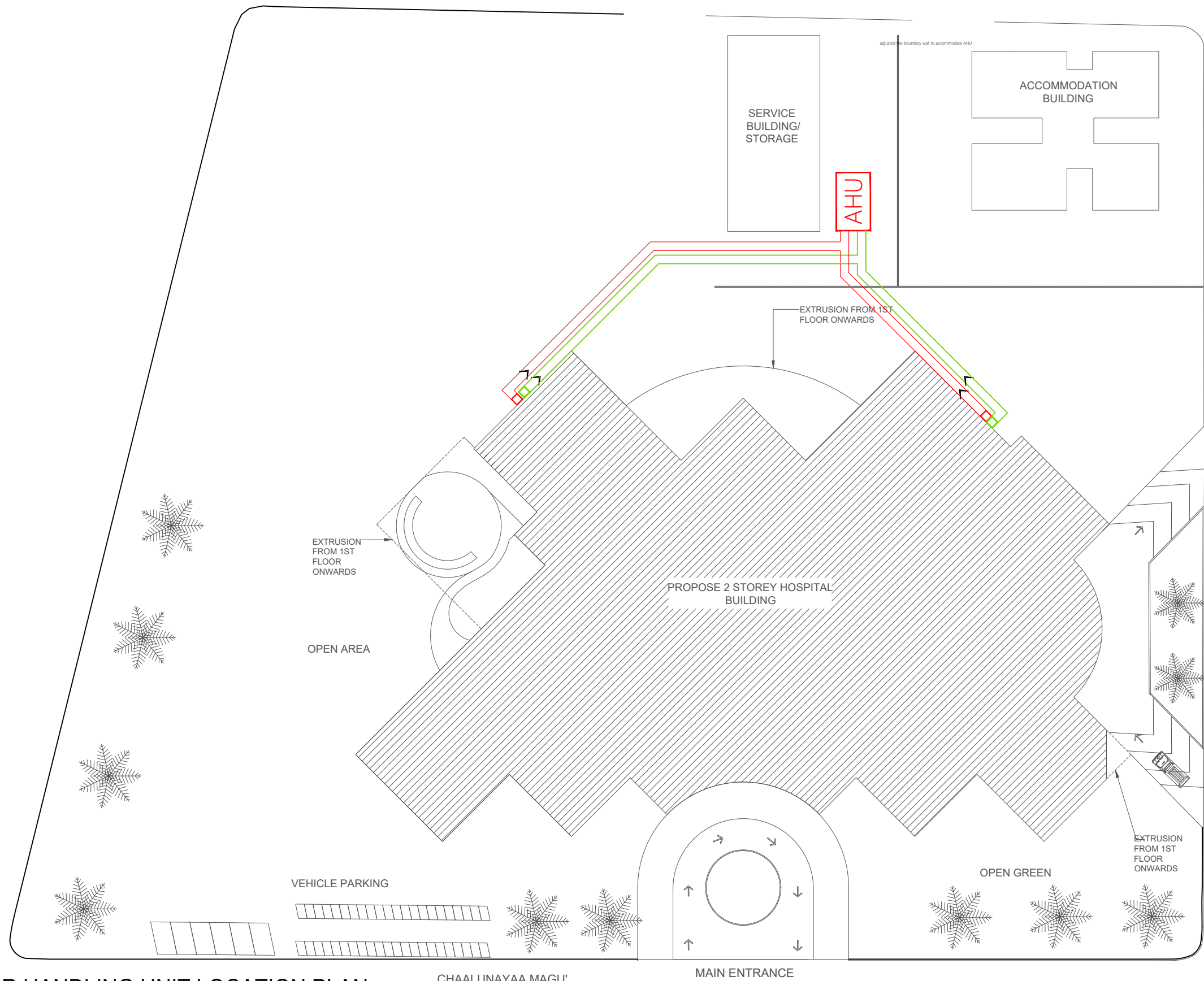


- Legend**
- 13A Twin Socket
 - 13A Twin Socket With USB Ports
 - 15A Switch @ 1200mm From F.F.L.
 - 15A Socket In Polycarbonate Box
 - 15A Power Socket
 - Power Outlets On Bed Head Unit
 - Power Outlets On Medical Pendant
 - 13A Power Socket
 - 13A Power Socket In Polycarbonate Box at 1100MM UNLESS INDICATED OTHERWISE
 - TPN Isolator
 - Distribution Board
 - Sub Main Distribution Board
 - 82Ø PVC Duct For Tel./Internet Cable Lead In Below Ground Slab
 - 82Ø PVC Duct For TV Cable Lead In Below Ground Slab
 - Main Incoming Cable For Power In 110Ø PVC Duct Below Ground Slab
 - HDMI Socket
 - Telephone Extension
 - Telephone Outlet
 - Computer Network Outlet
 - TV Socket Outlet
 - Emergency Light
 - IT Distribution Board
 - Private Automatic Branch Exchange (PABX)
 - Internet Switchboard
 - Area Covered by Sub Main Distribution Board
 - Area Covered by Distribution Board

Notes:-

- All Emergency Lights, 13A Power Sockets and TV Socket Outlets 400mm below False Ceiling level
- All 13A Twin Sockets At 300mm From F.F.L. Except Located At Delivery Room, Theater, Resuscitation Room, Lab Workstations, Medical Preparation Area and Pantry Area Which Shall Be At 1200mm From F.F.L.
- All Computer And Telephone Points At 300mm From F.F.L.


- Electrical Panel board with meter shall be installed in Services Building



A/C LAYOUT | AIR HANDLING UNIT LOCATION PLAN

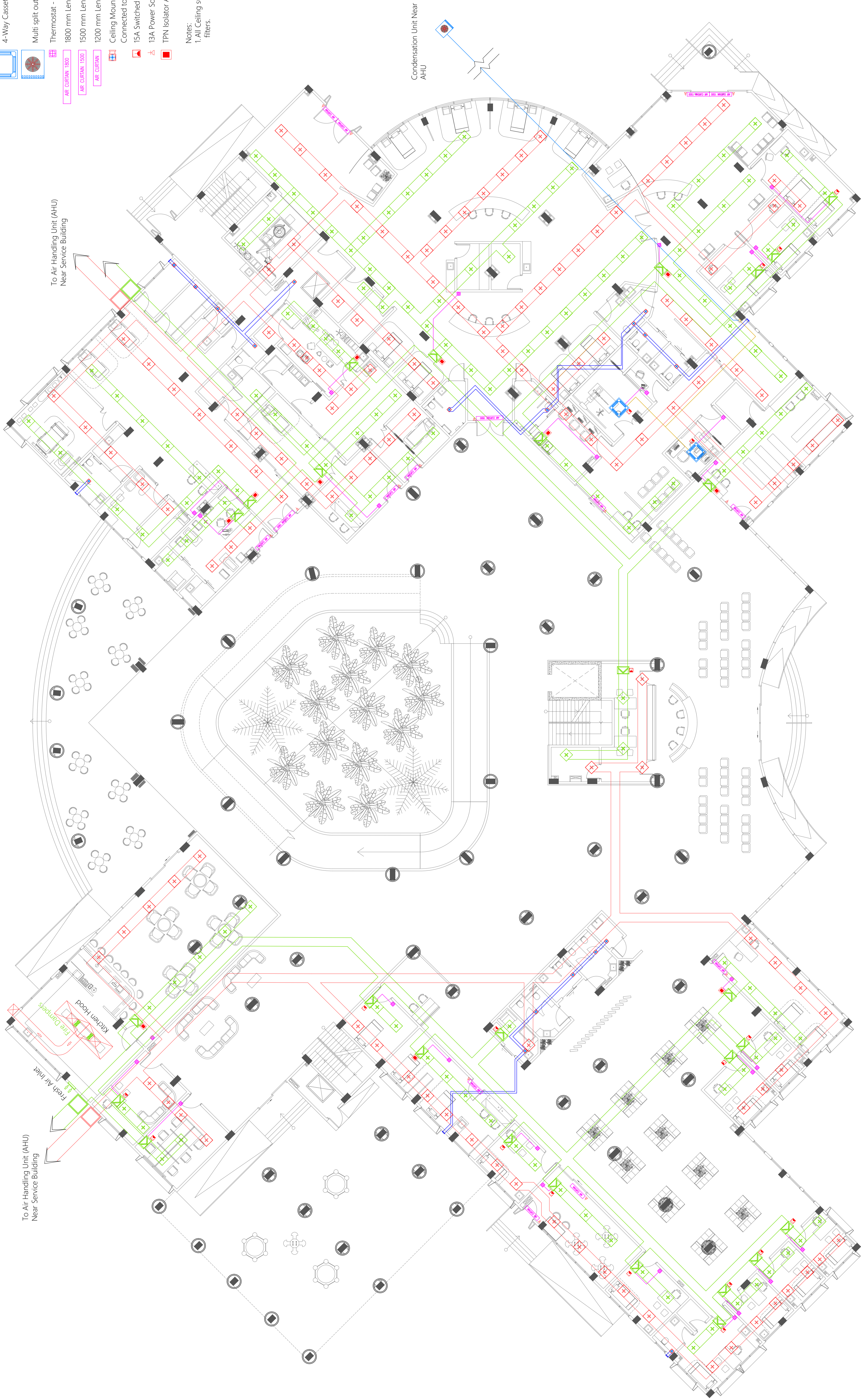
SCALE 1:500




 MTCC MALDIVES TRANSPORT & CONTRACTING COMPANY PLC <small>SURVEY, DESIGN AND DEVELOPMENT SECTION CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT MTCC TOWER, BODU THAKURUPPANA MAGU, MALE 20181, REPUBLIC OF MALDIVES. PHONE: +(960) 332 6822 FAX: +(960) 333 3835 E-MAIL: design.development@mtcc.com.mv</small>	PROJECT TITLE HA. HOARAFUSHI HOSPITAL BUILDING	CLIENT & ADDRESS MINISTRY OF HEALTH	DESIGN ARCHITECT: SURVEYING, DESIGN AND DEVELOPMENT SECTION				REV	DESCRIPTION	DATE	APPR	SHEET IDENTIFICATION NUMBER M1.01 SHEET TITLE 06
	DRAWING TITLE AS GIVEN	PROJECT LOCATION HA. HOARAFUSHI	ENGINEER: IBRAHIM THOAM	STRUCTURAL CHECKER: ABDULLA RAMEEZ							
			ARCHITECT: AMINATH ZOONA	ARCHITECTURAL CHECKER: IRFAN WAHEED	PAPER A3	SCALE AS GVN					
			DRAWN BY: RASSAM	CHECKED BY: AMINATH SAMAHA	DATE 19-08-2020						

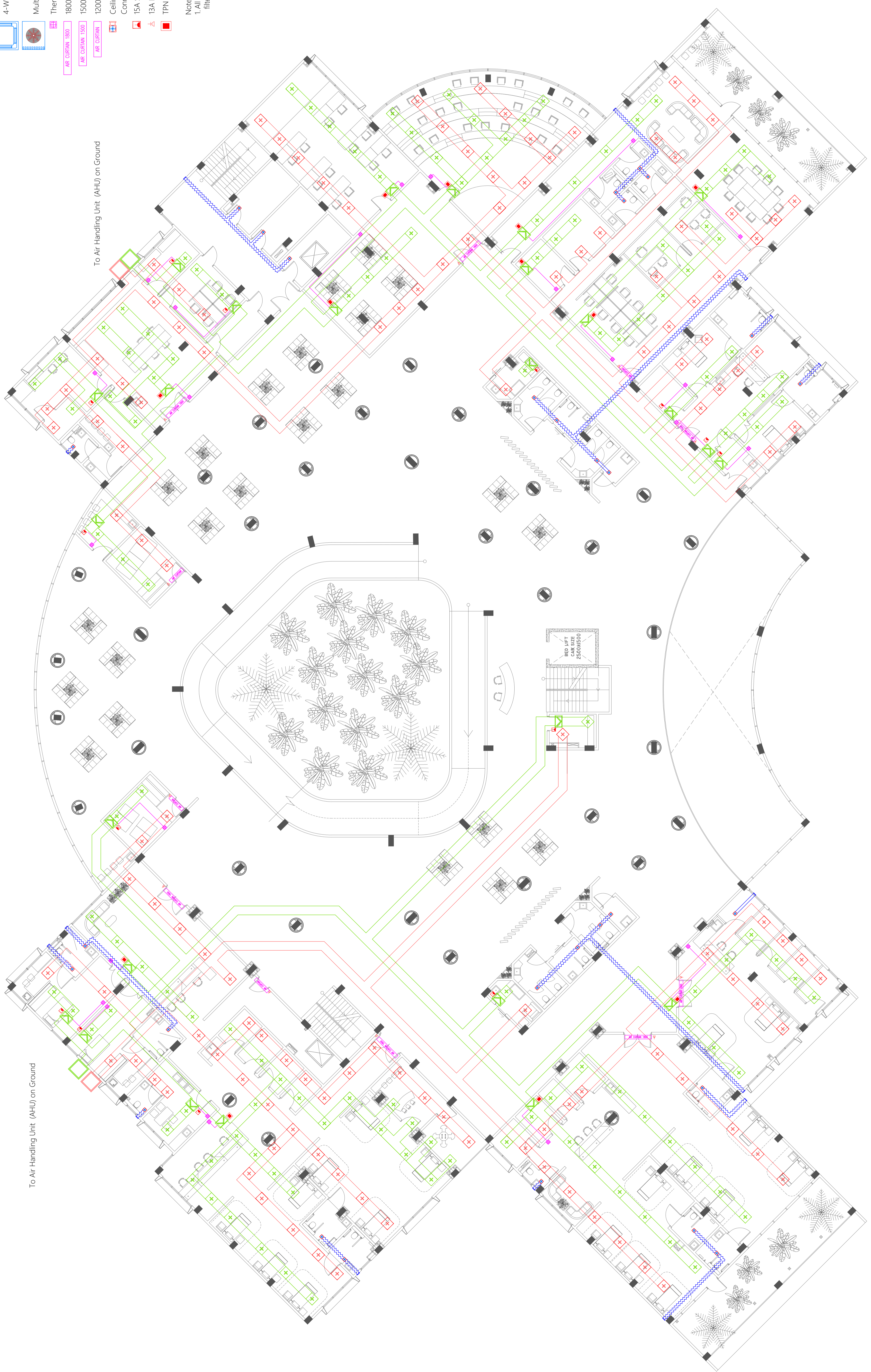
Legend

- Refrigerant Pipes above False Ceiling
 - Refrigerant Pipes Below Ground
 - Ceiling Concealed Airconditioner
 - Ceiling Surface Supply Air Grill
 - Ceiling Surface Return Air Grill
 - 4-Way Cassette Air Conditioner
 - Multi split outdoor condensing unit (floor standing)
 - Thermostat - Remote Controller
 - 1800 mm Length Air Curtain
 - 1500 mm Length Air Curtain
 - 1200 mm Length Air Curtain
 - Ceiling Mounted Exhaust Fan
 - Connected to Respective Light Switches for the same area
 - 15A Switched Socket above False Ceiling
 - 13A Power Socket at Air Curtain Level
 - TPN Isolator Above False Ceiling
- Notes:
1. All Ceiling surface grills should be equipped with HEPA filters.

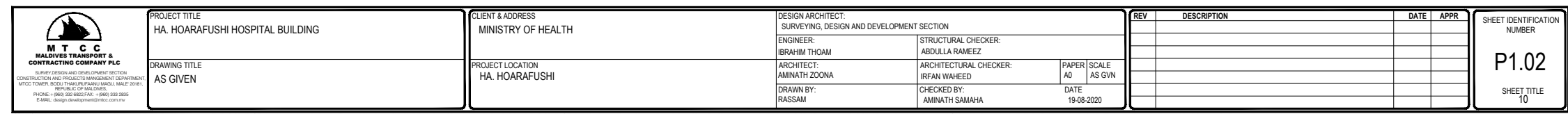


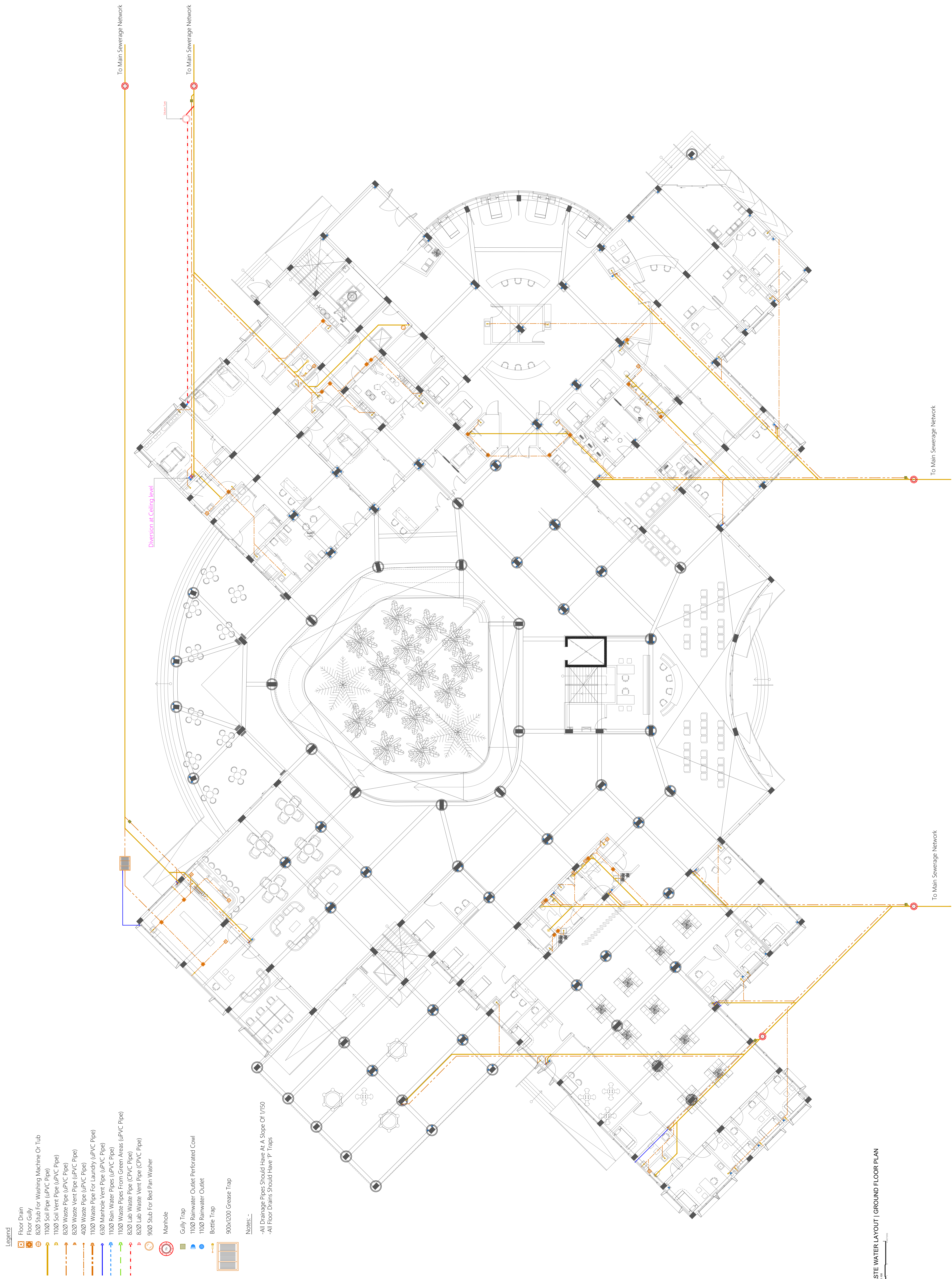
A/C LAYOUT | GROUND FLOOR PLAN

	PROJECT TITLE PA HOSPITAL BUILDING	CLIENT MINISTRY OF HEALTH PA HOSPITAL	DESIGNED BY BUILDING DESIGN AND DEVELOPMENT SECTION		REV	DESCRIPTION	JOB	APP	SHEET IDENTIFICATION NUMBER					
			STRUCTURAL DESIGNER MOHAMMED											
			ARCHITECT MOHAMMED											
			MECHANICAL ENGINEER MOHAMMED											
DRAWING TITLE AS GIVEN	PROJECT LOCATION PA HOSPITAL	DRAWN BY MOHAMMED	CHECKED BY MOHAMMED	DATE 2023	SCALE 1:500	SHEET NO. M1.02	SHEET TOTAL 1/1							
								DESIGNED BY ARCHITECTURE PA HOSPITAL	STRUCTURAL DESIGNER MOHAMMED	ARCHITECT MOHAMMED	MECHANICAL ENGINEER MOHAMMED			
												DRAWN BY MOHAMMED	CHECKED BY MOHAMMED	DATE 2023



- All Cold Water Pipes Should Be PVC
- SII Hot Water Pipes Should Be PPR





Legend

- Floor Drain
- Floor Gully
- 820 Stub For Washing Machine Or Tub
- 1100 Soil Pipe (uPVC Pipe)
- 1100 Soil Vent Pipe (uPVC Pipe)
- 820 Waste Pipe (uPVC Pipe)
- 820 Waste Vent Pipe (uPVC Pipe)
- 400 Waste Pipe (uPVC Pipe)
- 1100 Waste Pipe For Laundry (uPVC Pipe)
- 630 Manhole Vent Pipe (uPVC Pipe)
- 1100 Rain Water Pipes (uPVC Pipe)
- 1100 Waste Pipes From Green Areas (uPVC Pipe)
- 820 Lab Waste Pipe (CPVC Pipe)
- 820 Lab Waste Vent Pipe (CPVC Pipe)
- 900 Stub For Bed Pan Washer

Manhole

Gully Trap

1100 Rainwater Outlet Perforated Cowl

1100 Rainwater Outlet

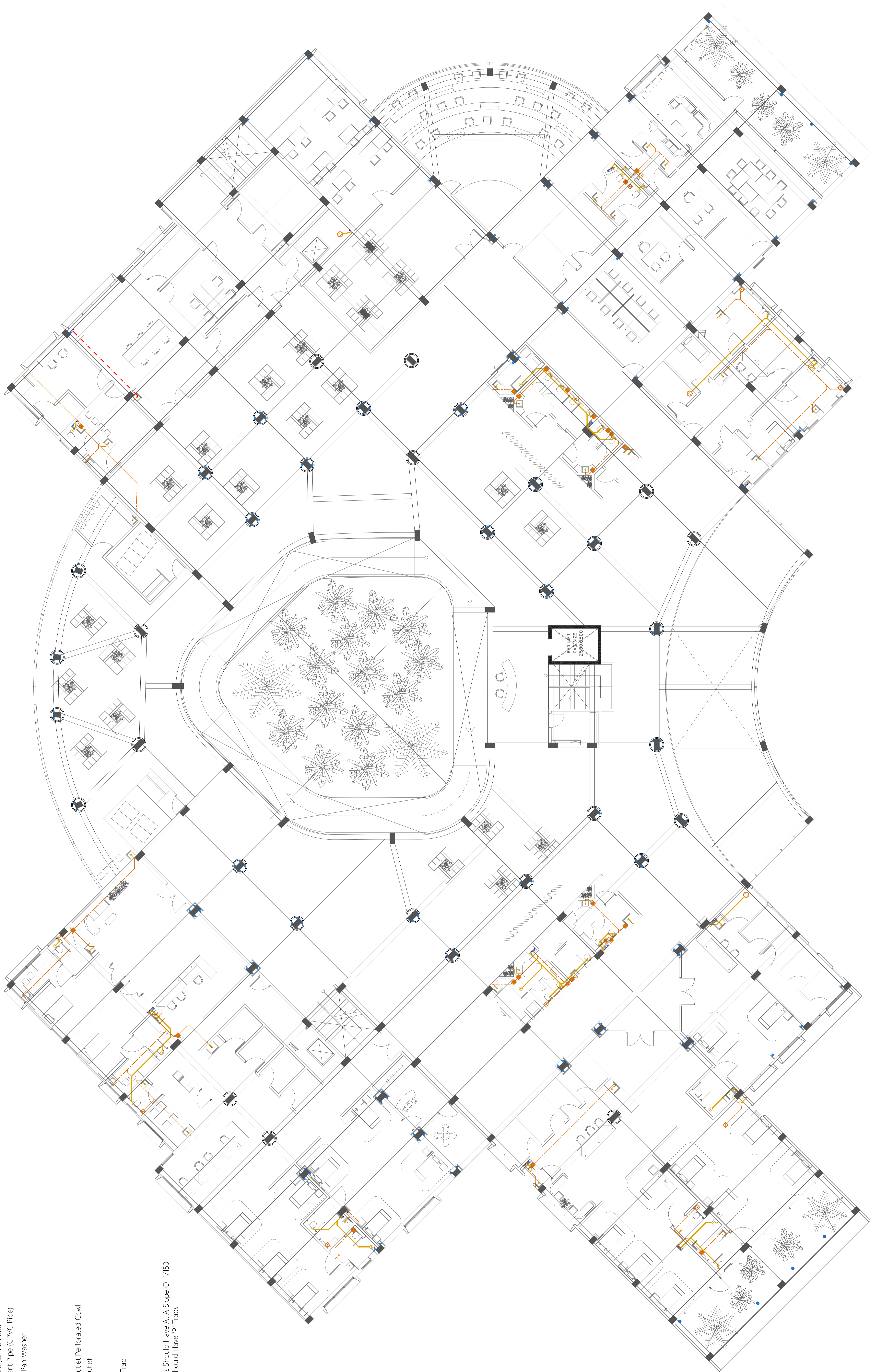
Bottle Trap

900x1200 Grease Trap

Notes :-

-All Drainage Pipes Should Have At A Slope Of 1/150

-All Floor Drains Should Have 'P' Traps

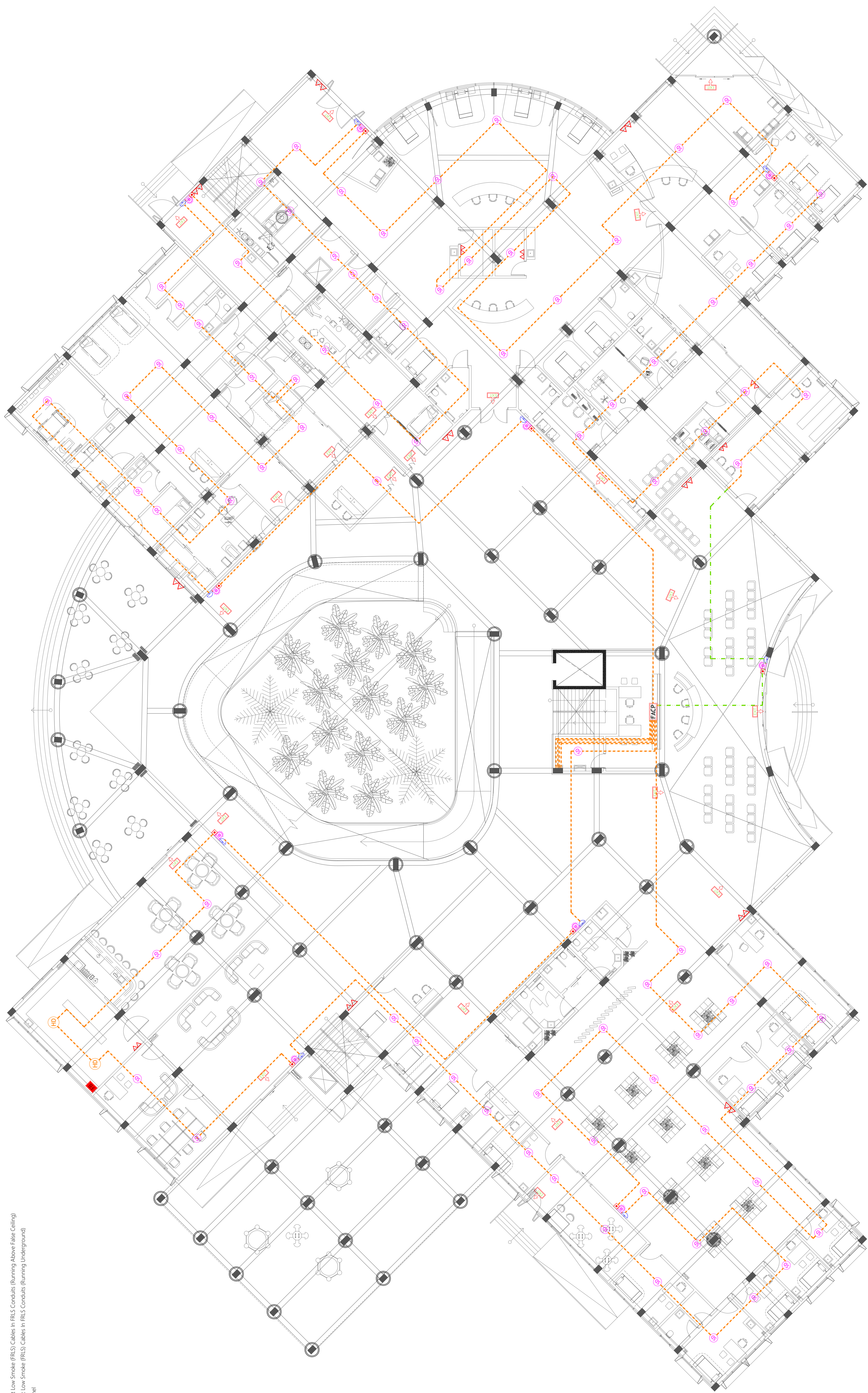


	PROJECT PA HOSPITAL HOSPITAL BUILDING	DESIGNED BY AL SHEN	CHECKED BY PA HOSPITAL	DRAWN BY AL SHEN	DATE 10/10/2020	SCALE 1:100	SHEET NO. P1.04	TOTAL SHEETS 1	DATE 10/10/2020

WASTE WATER LAYOUT | FIRST FLOOR PLAN



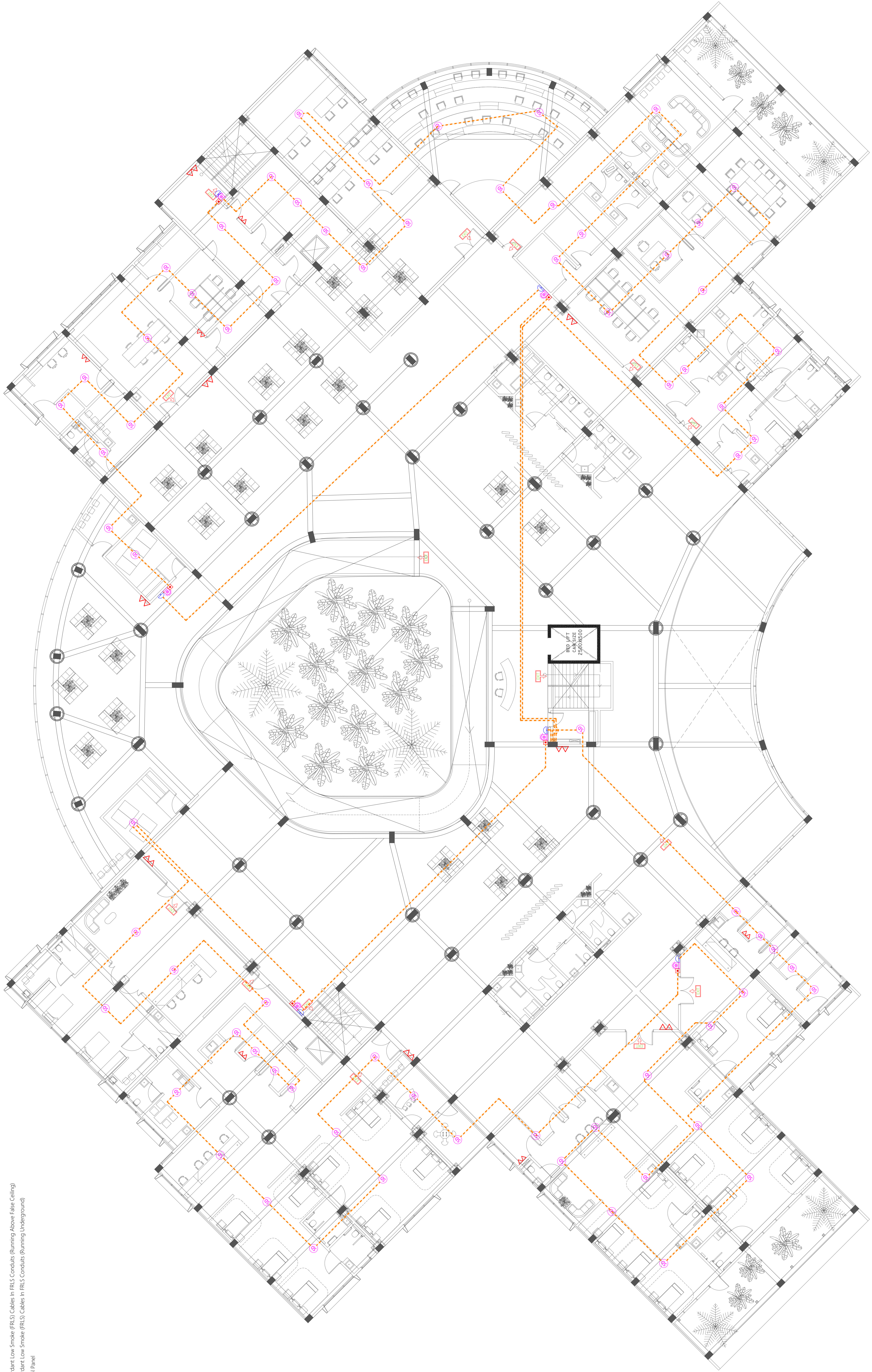
- Wet Chemical Extinguisher (load: 6U) in Polycarbonate Enclosure
CO₂ Extinguisher (load: 2kg) in Polycarbonate Enclosure
DCP Extinguisher (load: 6kg) in Polycarbonate Enclosure
H₂O Extinguisher (load: 9U) in Polycarbonate Enclosure
Manual Call Point
Smoke Detector
Heat Detector
Beacon
Sounder Bell
2.5mm² Fire Retardant Low Smoke (FRLS) Cables in FRLS Conduits (Running Above False Ceiling)
2.5mm² Fire Retardant Low Smoke (FRLS) Cables in FRLS Conduits (Running Underground)
FACP Fire Alarm Control Panel
Fire Blanket
Exit Sign



	PROJECT PA HOSPITAL BUILDING	CLIENT MINISTRY OF HEALTH	DESIGNER AL-SAYED	DESIGNED BY AL-SAYED	PROJECT CODE HOSPITAL	DATE 2023/01/01	SCALE 1:100	NO. 00000000	REV. 01	DATE 2023/01/01	BY AL-SAYED
	PROJECT PA HOSPITAL BUILDING	CLIENT MINISTRY OF HEALTH	DESIGNER AL-SAYED	DESIGNED BY AL-SAYED	PROJECT CODE HOSPITAL	DATE 2023/01/01	SCALE 1:100	NO. 00000000	REV. 01	DATE 2023/01/01	BY AL-SAYED

FIRE SAFETY LAYOUT | GROUND FLOOR PLAN

- Wet Chemical Extinguisher (load 6L) in Polycarbonate Enclosure
CO₂ Extinguisher (load 2kg) in Polycarbonate Enclosure
DCP Extinguisher (load 2kg) in Polycarbonate Enclosure
H₂O Extinguisher (load 9L) in Polycarbonate Enclosure
Manual Call Point
Smoke Detector
Heat Detector
Beacon
Sounder Bell
2.5mm² Fire Retardant Low Smoke (FRLS) Cables in FRLS Conduits (Running Above False Ceiling)
2.5mm² Fire Retardant Low Smoke (FRLS) Cables in FRLS Conduits (Running Underground)
FACP
Fire Alarm Control Panel
Fire Blanket
Exit Sign



	PROJECT PA HOSPITAL HOSPITAL BUILDING	PROJECT LOCATION PA HOSPITAL	PROJECT NO. PA HOSPITAL	PROJECT NO. PA HOSPITAL	PROJECT NO. PA HOSPITAL
	DESIGNER AL SIVEN	DESIGNER AL SIVEN	DESIGNER AL SIVEN	DESIGNER AL SIVEN	DESIGNER AL SIVEN
	DATE 2024	DATE 2024	DATE 2024	DATE 2024	DATE 2024
	SCALE 1:100	SCALE 1:100	SCALE 1:100	SCALE 1:100	SCALE 1:100

FIRE SAFETY LAYOUT | FIRST FLOOR PLAN