

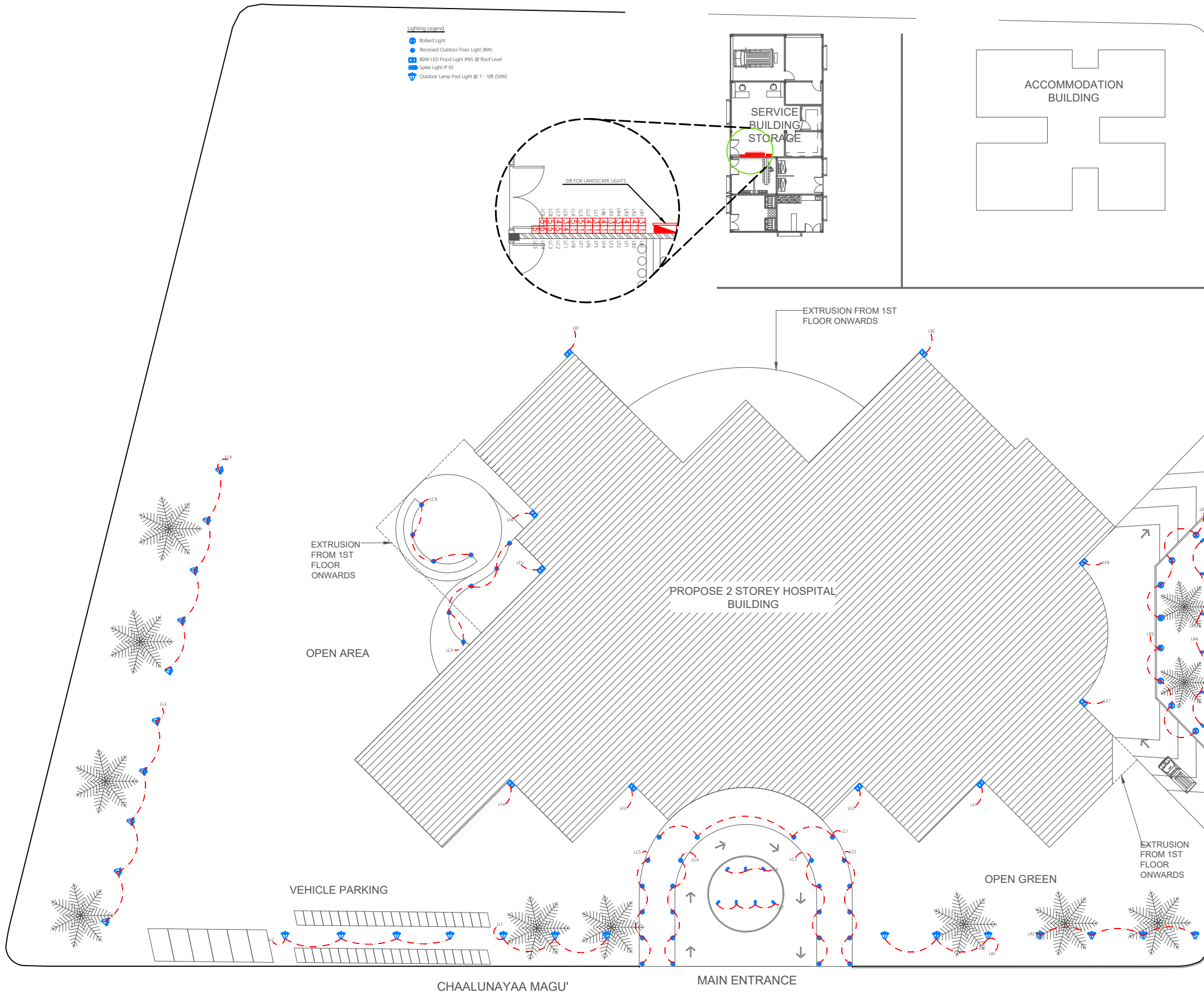
HA. HOARAFUSHI HOSPITAL BUILDING SERVICES DRAWINGS

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

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		
ARCHITECT: AMINATH ZOONA	ARCHITECTURAL CHECKER: IRFAN WAHEED	PAPER A3	SCALE AS GVN
DRAWN BY: RASSAM	CHECKED BY: AMINATH SAMAHA	DATE 19-08-2020	

REV	DESCRIPTION	DATE	APPR

SHEET IDENTIFICATION NUMBER
L1.01
SHEET TITLE 01

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

NON SKID
PORCELAIN TILES

NON SKID PORCELAIN
RISER TILE

LED LIGHT STRIP IN
WARM COLOR

DETAIL A

LED Strip at floor level

REFER TO DETAIL A

REFER TO DETAIL

AT ROOF LEVEL

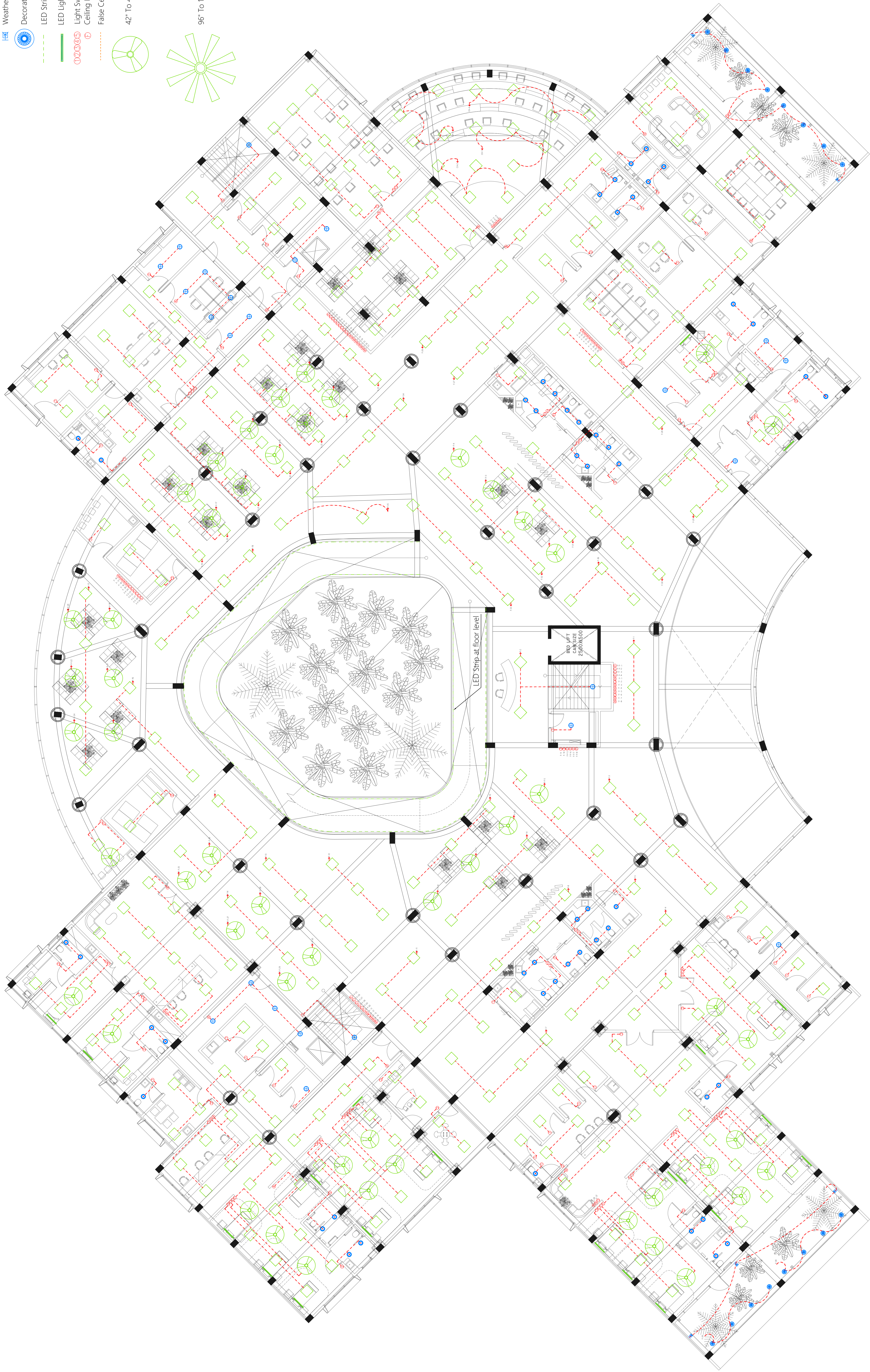
LIGHTING LAYOUT | GROUND FLOOR PLAN

SCALE 1:100

PROJECT NAME	PROJECT LOCATION	DATE
PROJECT NO.	CLIENT NAME	DESIGNER NAME
PROJECT PHASE	PROJECT STATUS	PROJECT BUDGET
PROJECT TEAM	PROJECT MANAGER	PROJECT COORDINATOR
PROJECT DESCRIPTION	PROJECT OBJECTIVES	PROJECT DELIVERABLES
PROJECT RISK	PROJECT CHALLENGES	PROJECT SOLUTIONS
PROJECT OUTCOME	PROJECT IMPACT	PROJECT LESSONS LEARNED
PROJECT REVIEW	PROJECT FEEDBACK	PROJECT IMPROVEMENTS
PROJECT CLOSURE	PROJECT EVALUATION	PROJECT RECOMMENDATIONS
PROJECT ARCHIVE	PROJECT DOCUMENTATION	PROJECT COMMUNICATION
PROJECT LEGACY	PROJECT INHERITANCE	PROJECT FUTURE PLANS

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- LED Light Incorporated in Medical Bed Head Unit
- Light Switch (1 Gang - 4 Gang)
- Ceiling Fan Switch With Controller
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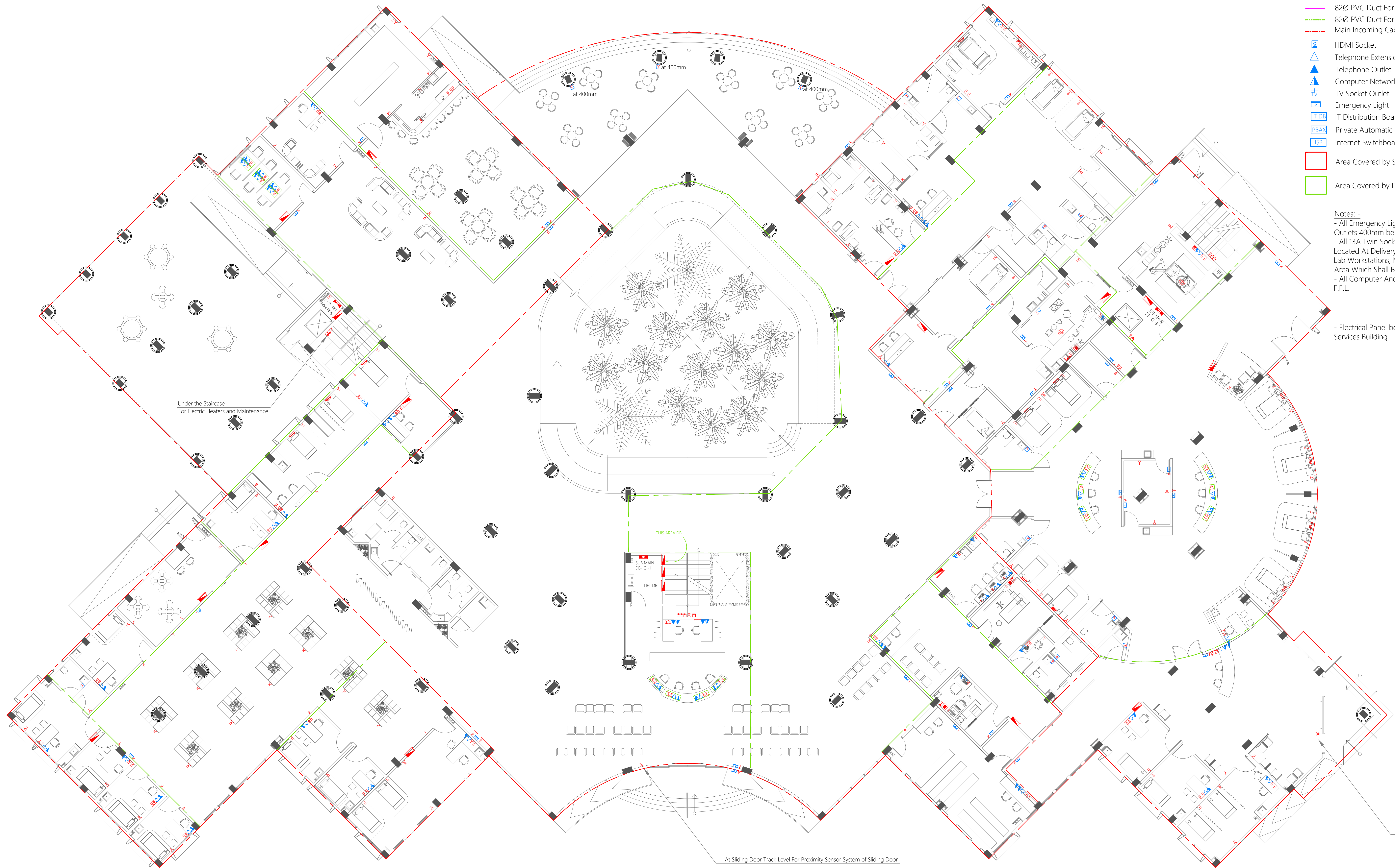
	PROJECT PA HOSPITAL HOSPITAL BUILDING DESIGNED BY ALSIVEN	CLIENT MINISTRY OF HEALTH PA HOSPITAL	DESIGNER PA HOSPITAL DESIGNED BY ALSIVEN	PROJECT CODE PA HOSPITAL DESIGNED BY ALSIVEN	DATE 2024-12-01	SCALE 1:100	SHEET NO. L1.03

LIGHTING LAYOUT | FIRST FLOOR PLAN

<div>PROJECT INFORMATION</div> <div>PROJECT NAME: 1000</div>	
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ELECTRICAL LAYOUT | GROUND 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.

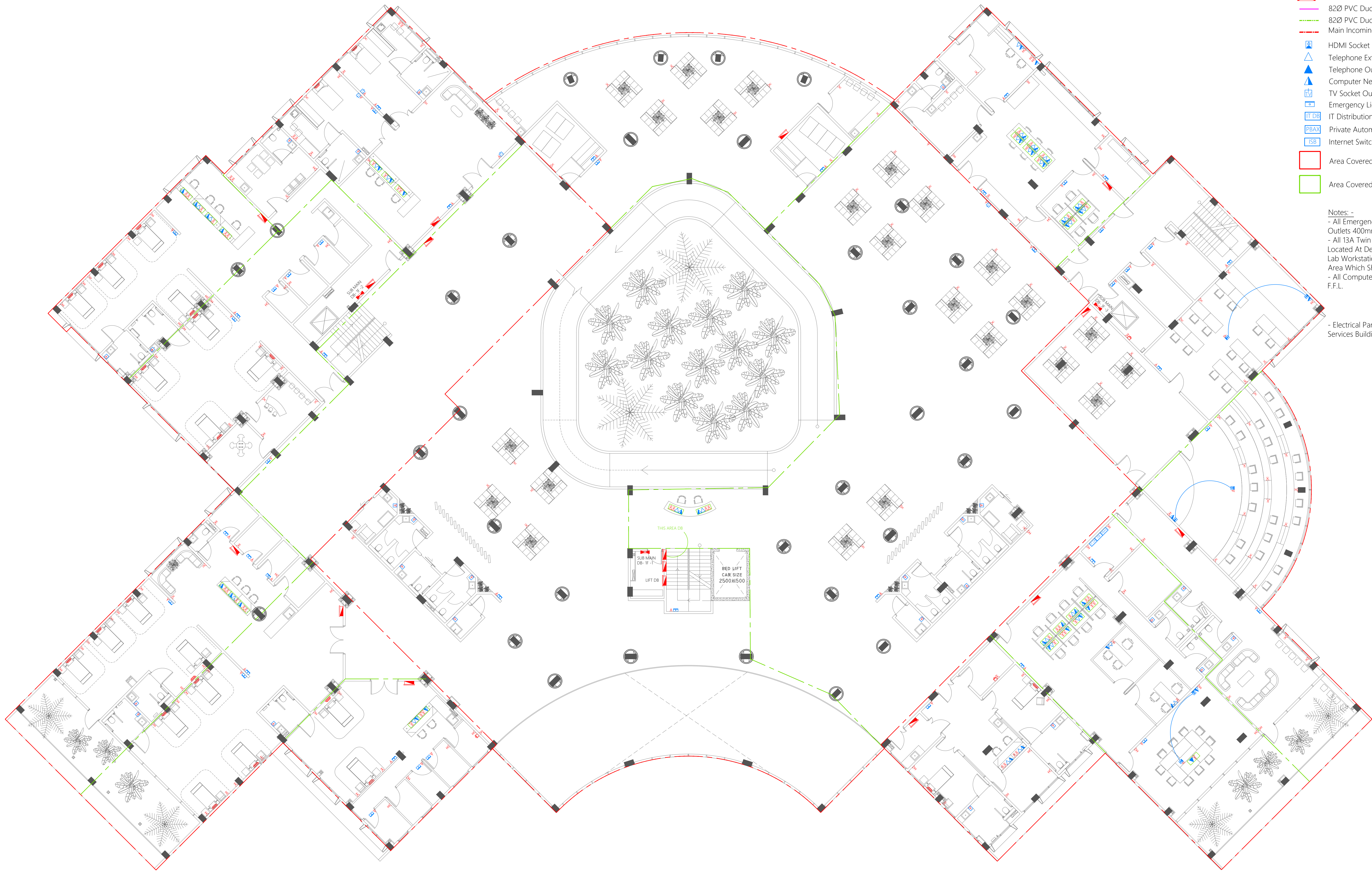
- Electrical Panel board with meter shall be installed in Services Building

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

PROJECT INFORMATION	
PROJECT NAME	PROJECT NUMBER
CLIENT INFORMATION	
CLIENT NAME	CLIENT ADDRESS
CLIENT PHONE	CLIENT EMAIL
DESIGNER INFORMATION	
DESIGNER NAME	DESIGNER ADDRESS
DESIGNER PHONE	DESIGNER EMAIL
DATE	
DATE	DATE
E.I/12	

ELECTRICAL LAYOUT | FIRST FLOOR PLAN

SCALE 1:100

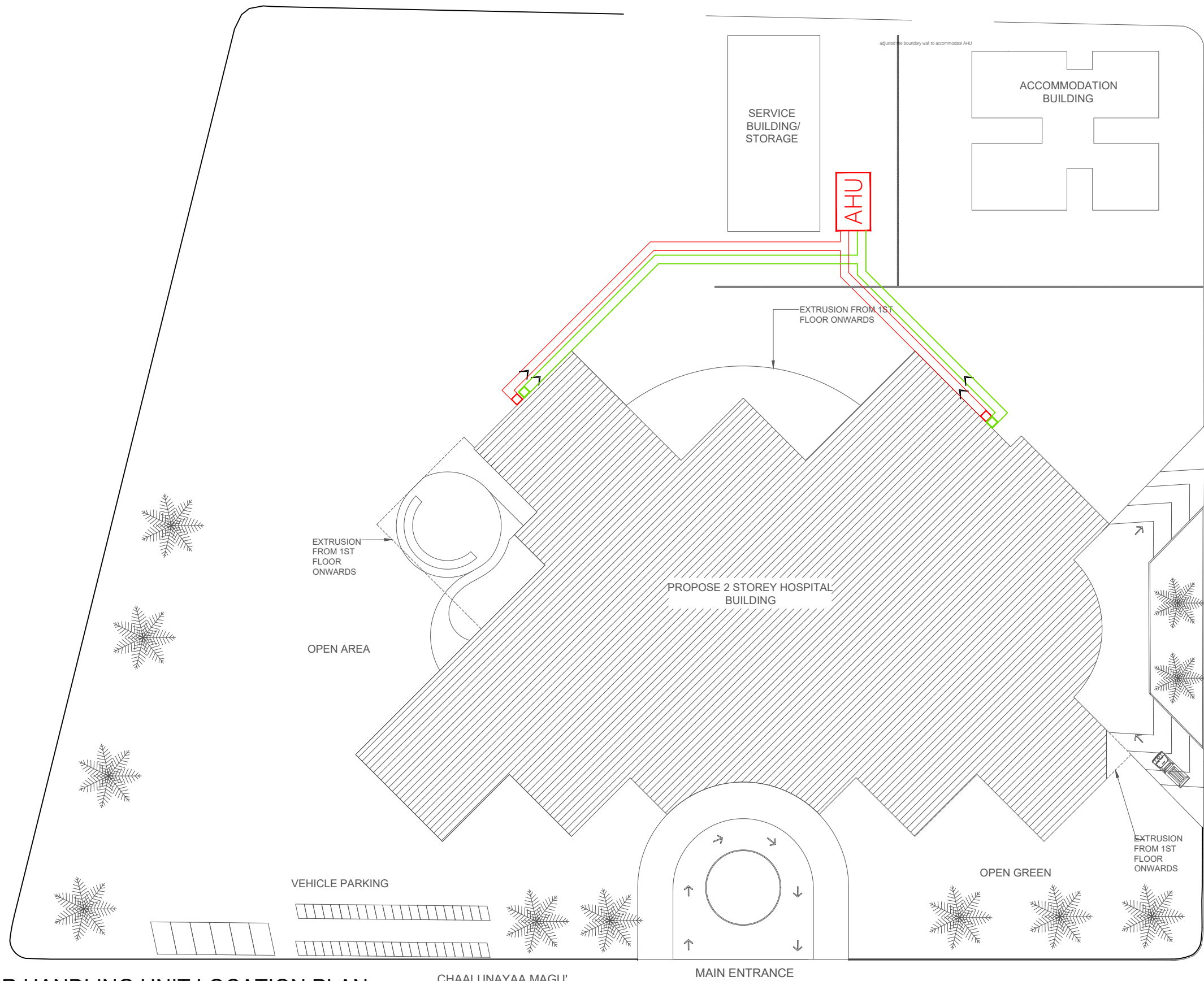


Legend

- 13A Twin Socket
- 13A Twin Socket With USB Ports
- 15A Switch @ 1200mm From F.F.L.
- 15A Socket In Polycarbonate Box
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- Power Outlets On Medical Pendant
- 13A Power Socket
- 13A Power Socket In Polycarbonate Box at 1100MM UNLESS INDICATED OTHERWISE
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- Distribution Board
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- 82Ø PVC Duct For Tel./Internet Cable Lead In Below Ground Slab
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- Telephone Outlet
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- All Computer And Telephone Points At 300mm From F.F.L.


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

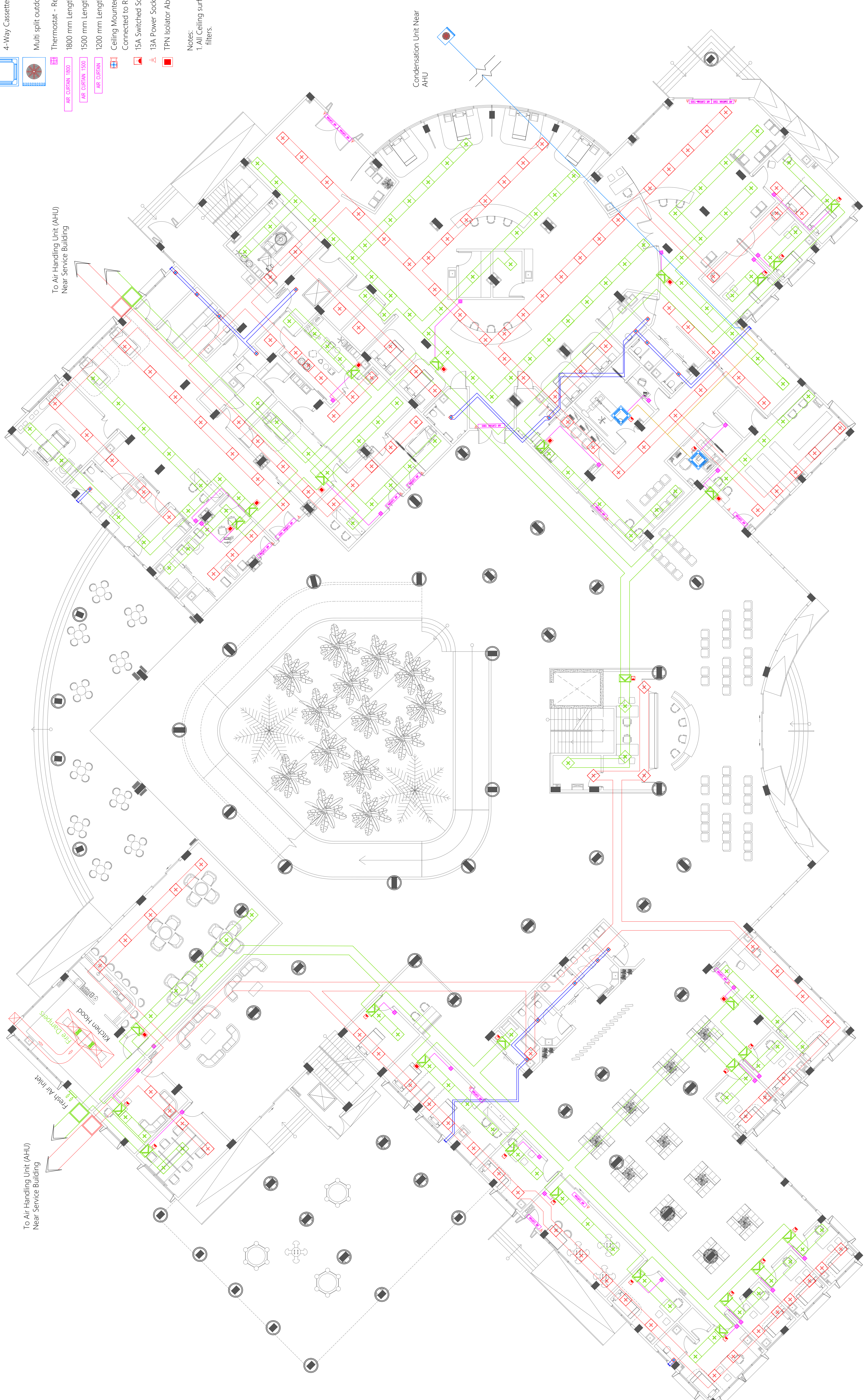


A/C LAYOUT | AIR HANDLING UNIT LOCATION PLAN

SCALE 1:500



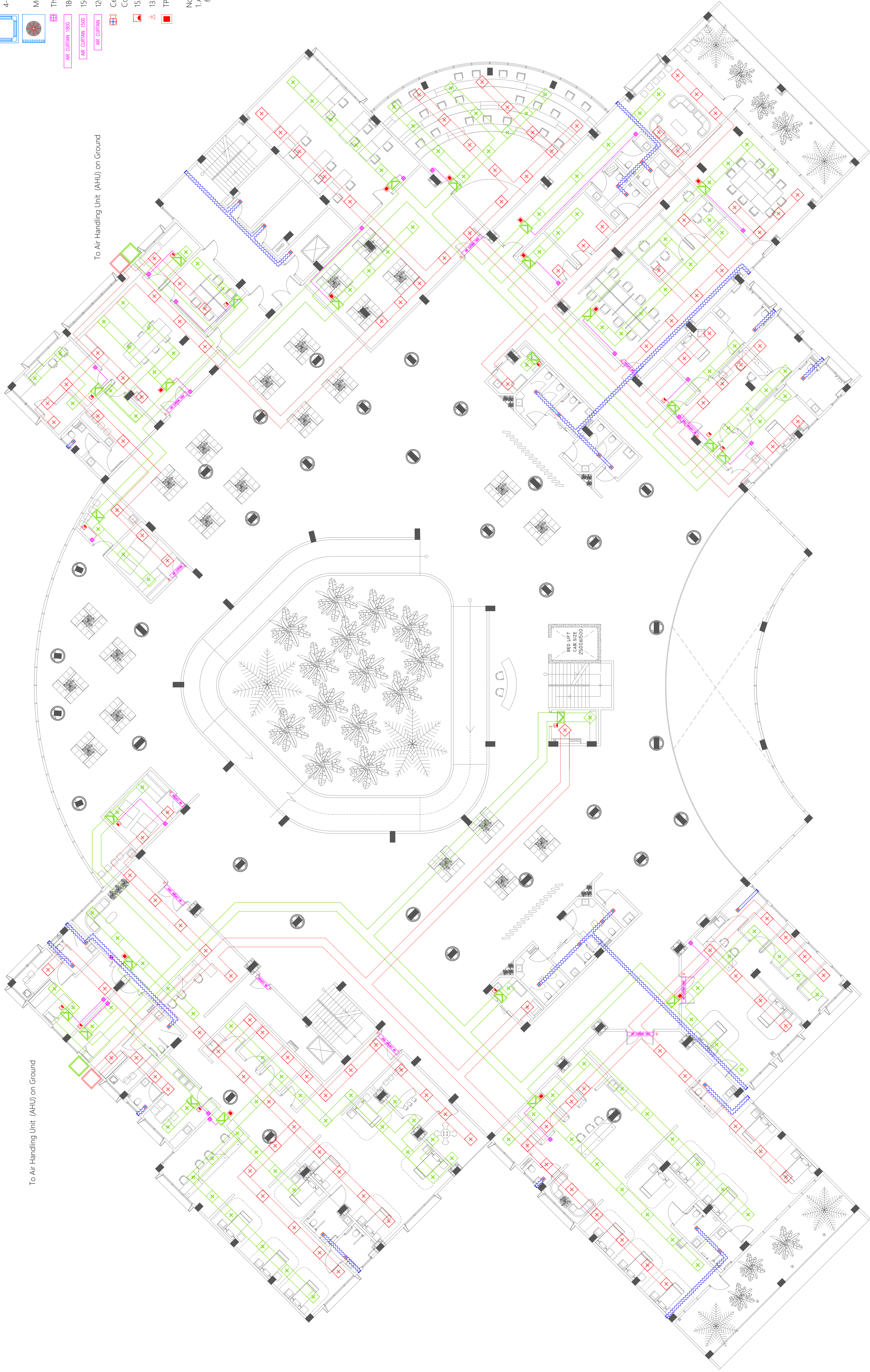
 MTCC MALDIVES TRANSPORT & CONTRACTING COMPANY PLC <small>SURVEY, DESIGN AND DEVELOPMENT SECTION CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT MTCC TOWER, BODU THAKURUPPANA MAGU, MALE 20181, REPUBLIC OF MALDIVES. PHONE: +(960) 332 6822 FAX: +(960) 333 3835 E-MAIL: design.development@mtcc.com.mv</small>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

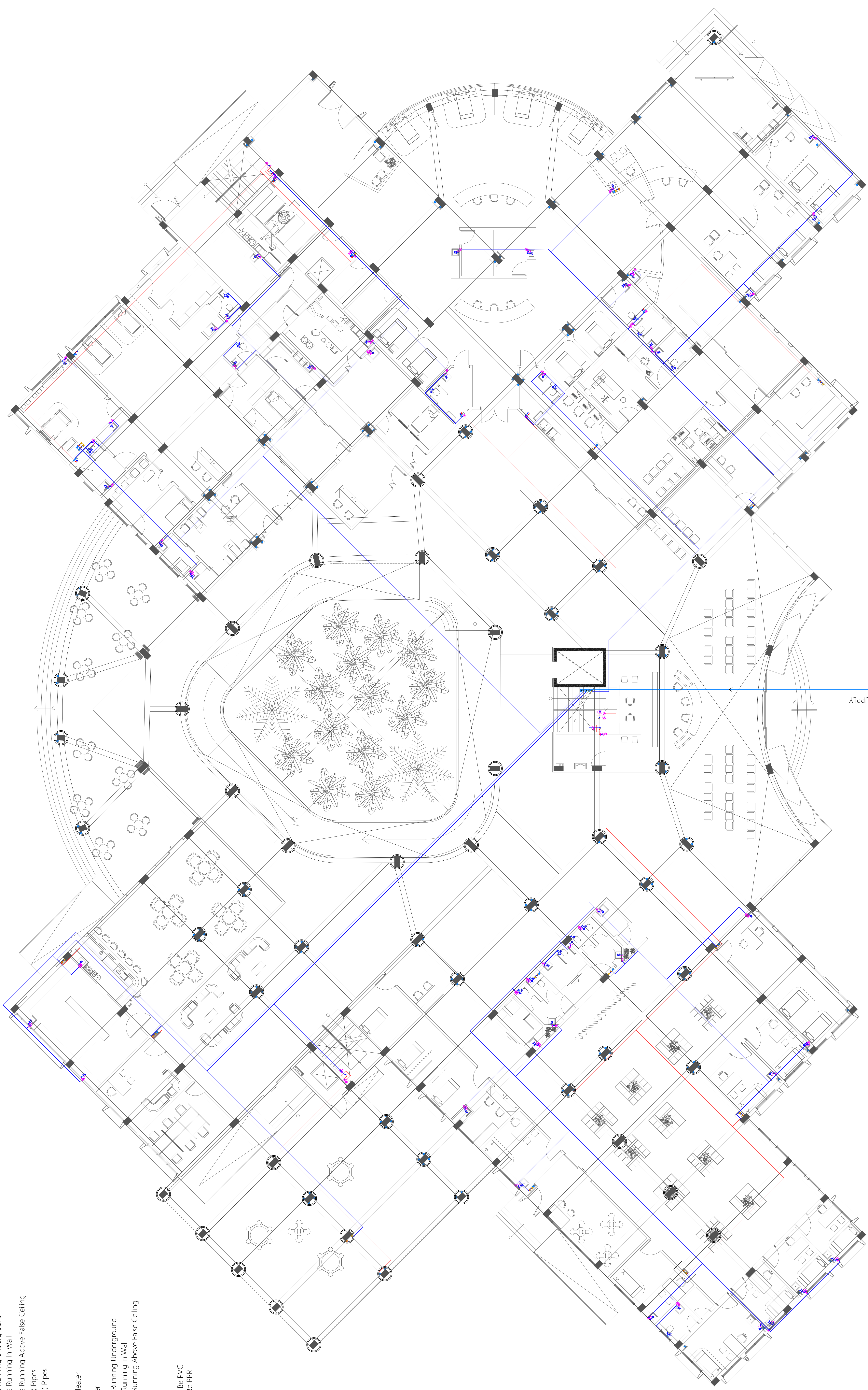
Notes:
1. All Ceiling surface grills should be equipped with HEPA filters.



- 160 Cold Water Supply To Basin Faucet
- 160 Cold Water Supply To Wall Tap
- 160 Cold Water Supply To Sink Tap
- 160 Cold Water Supply To Bidet Shower
- 160 Cold Water Supply To Cistern
- 160 Cold Water Supply & 120 Hot Water Supply To Shower Mixer
- 160 Cold Water Supply & 120 Hot Water Supply To Basin Mixer Faucet
- 200 Cold Water Supply & 200 Hot Water Supply To Bedpan Washer
- 160 Cold Water Supply & 120 Hot Water Supply To Scrub Sink
- Gate Valve
- Rise In Wall
- Drop In Wall
- 250 Cold Water Supply Pipes Running Underground
- 200 Cold Water Supply Pipes Running In Wall
- 200 Cold Water Supply Pipes Running Above False Ceiling
- 160 Rain Water Supply (RWS) Pipes
- 250 Rain Water Supply (RWS) Pipes
- 250 Hot Water Supply Pipes
- 200L Floor Standing Water Heater
- 100L Wall-Hung Water Heater
- 400 Hot Water Supply Pipes Running Underground
- 120 Hot Water Supply Pipes Running In Wall
- 120 Hot Water Supply Pipes Running Above False Ceiling

Notes :-

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



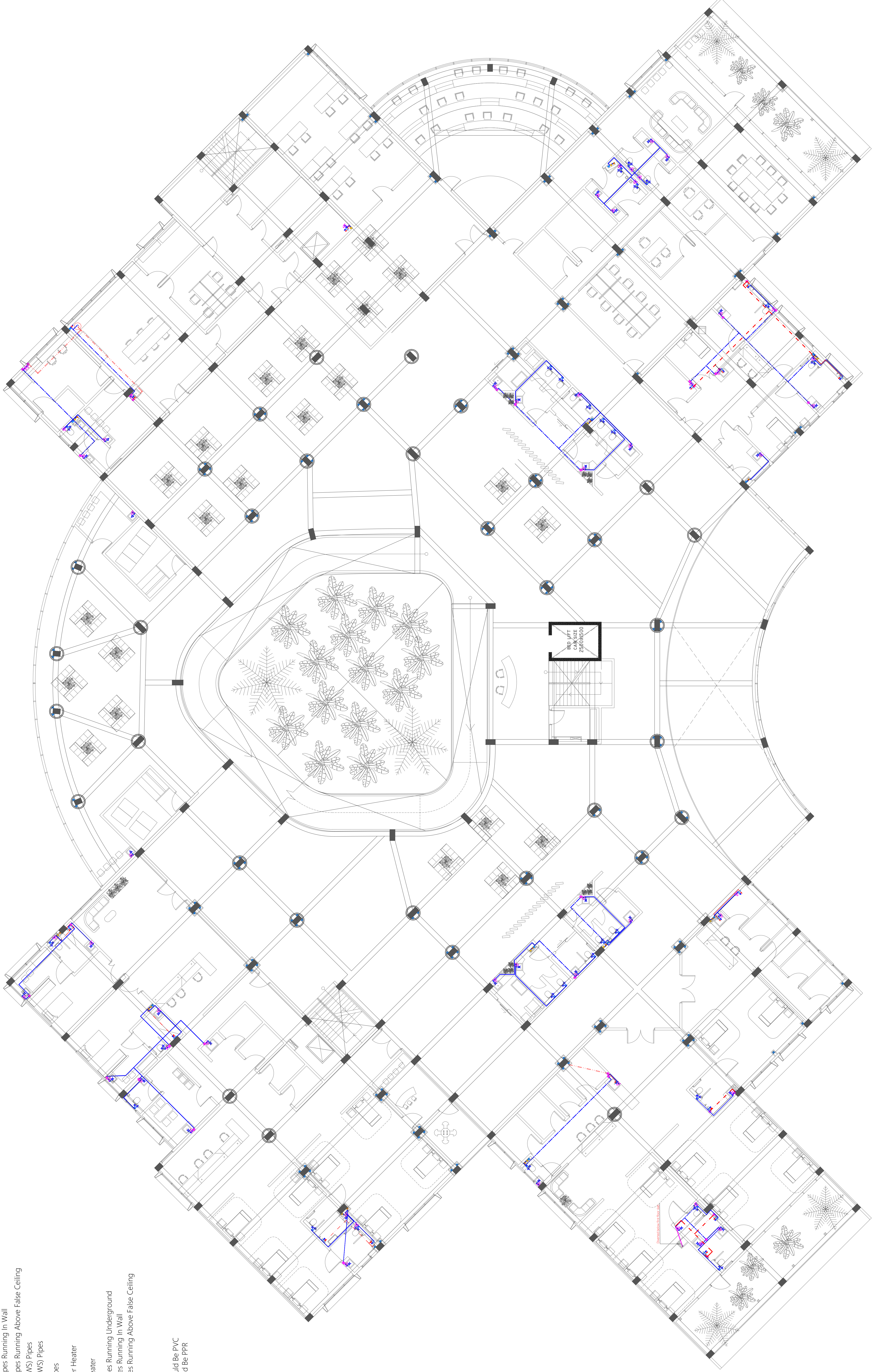
PIPE FROM MAINS SUPPLY

Legend

- 160 Cold Water Supply To Basin Faucet
- 160 Cold Water Supply To Wall Tap
- 160 Cold Water Supply To Sink Tap
- 160 Cold Water Supply To Bidet Shower
- 160 Cold Water Supply To Cistern
- 160 Cold Water Supply & 120 Hot Water Supply To Shower Mixer
- 160 Cold Water Supply & 120 Hot Water Supply To Basin Mixer Faucet
- 200 Cold Water Supply & 200 Hot Water Supply To Bedpan Washer
- 160 Cold Water Supply & 120 Hot Water Supply To Scrub Sink
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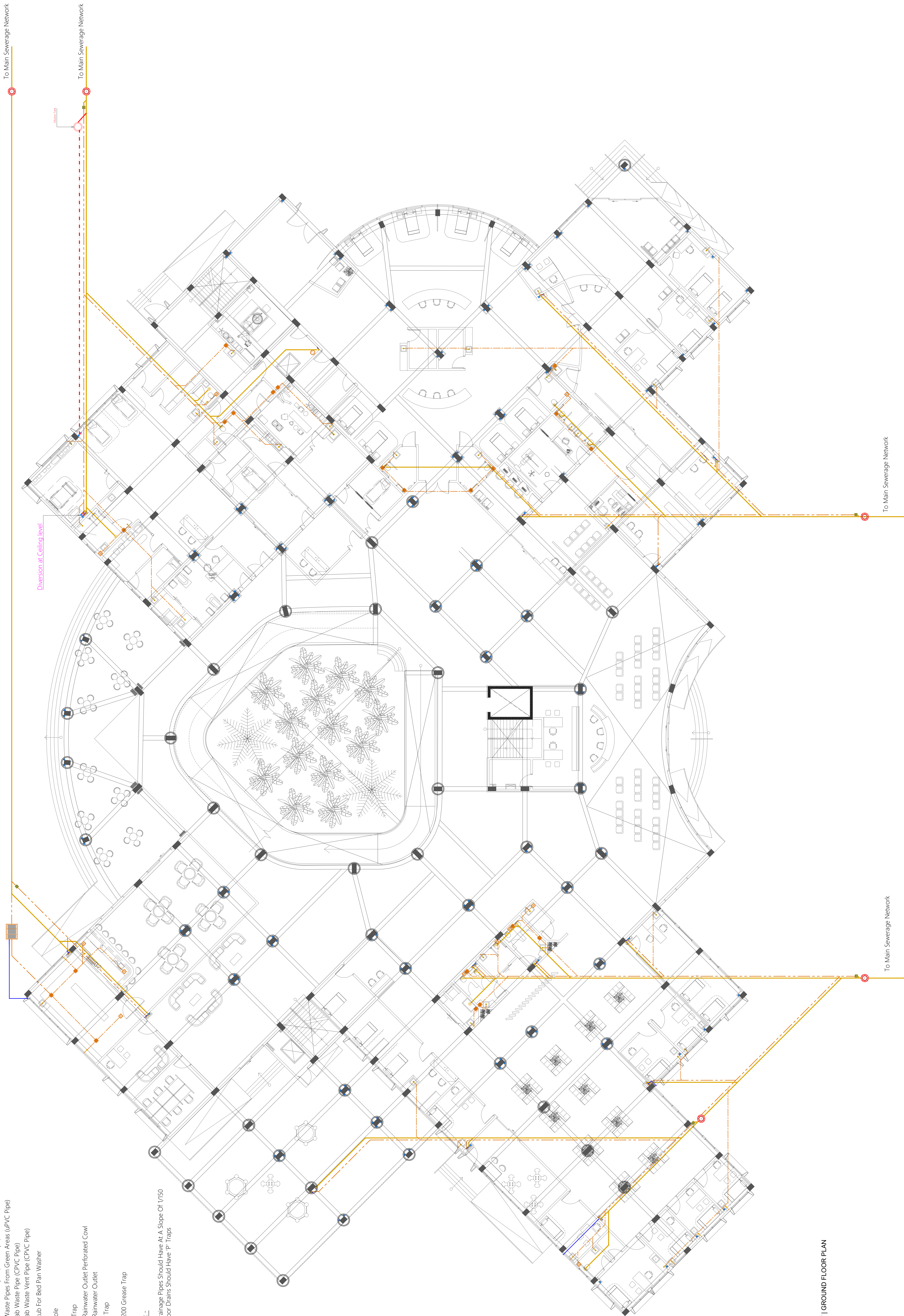
	PROJECT PA HOSPITAL HOSPITAL BUILDING	DESIGNED BY AL-SAYED	CHECKED BY AL-SAYED	DRAWN BY AL-SAYED	DATE 2023/05/01	SCALE 1:100	SHEET NO. P1.02	TOTAL SHEETS 10	PROJECT NO. P1.02	SHEET NO. P1.02

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 1" Traps



WASTE WATER LAYOUT | GROUND FLOOR PLAN

	PROJECT PA HOSPITAL HOSPITAL BUILDING	PREPARED BY MINISTRY OF HEALTH	DESIGNED BY ARCHITECTURAL DESIGN SECTION	DATE 2023/05/01
	DESIGNED BY ARCHITECTURAL DESIGN SECTION	APPROVED BY PA HOSPITAL	PROJECT CODE PA-HOSPITAL	DATE 2023/05/01
	APPROVED BY PA HOSPITAL	DESIGNED BY ARCHITECTURAL DESIGN SECTION	PROJECT CODE PA-HOSPITAL	DATE 2023/05/01
	DATE 2023/05/01	DESIGNED BY ARCHITECTURAL DESIGN SECTION	PROJECT CODE PA-HOSPITAL	DATE 2023/05/01

Legend

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- Floor Gully
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- 1100 Soil Pipe (uPVC Pipe)
- 1100 Soil Vent Pipe (uPVC Pipe)
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- 820 Lab Waste Vent Pipe (CPVC Pipe)
- 900 Stub For Bed Pan Washer

Manhole

Gully Trap

1100 Rainwater Outlet Perforated Cowl

1100 Rainwater Outlet

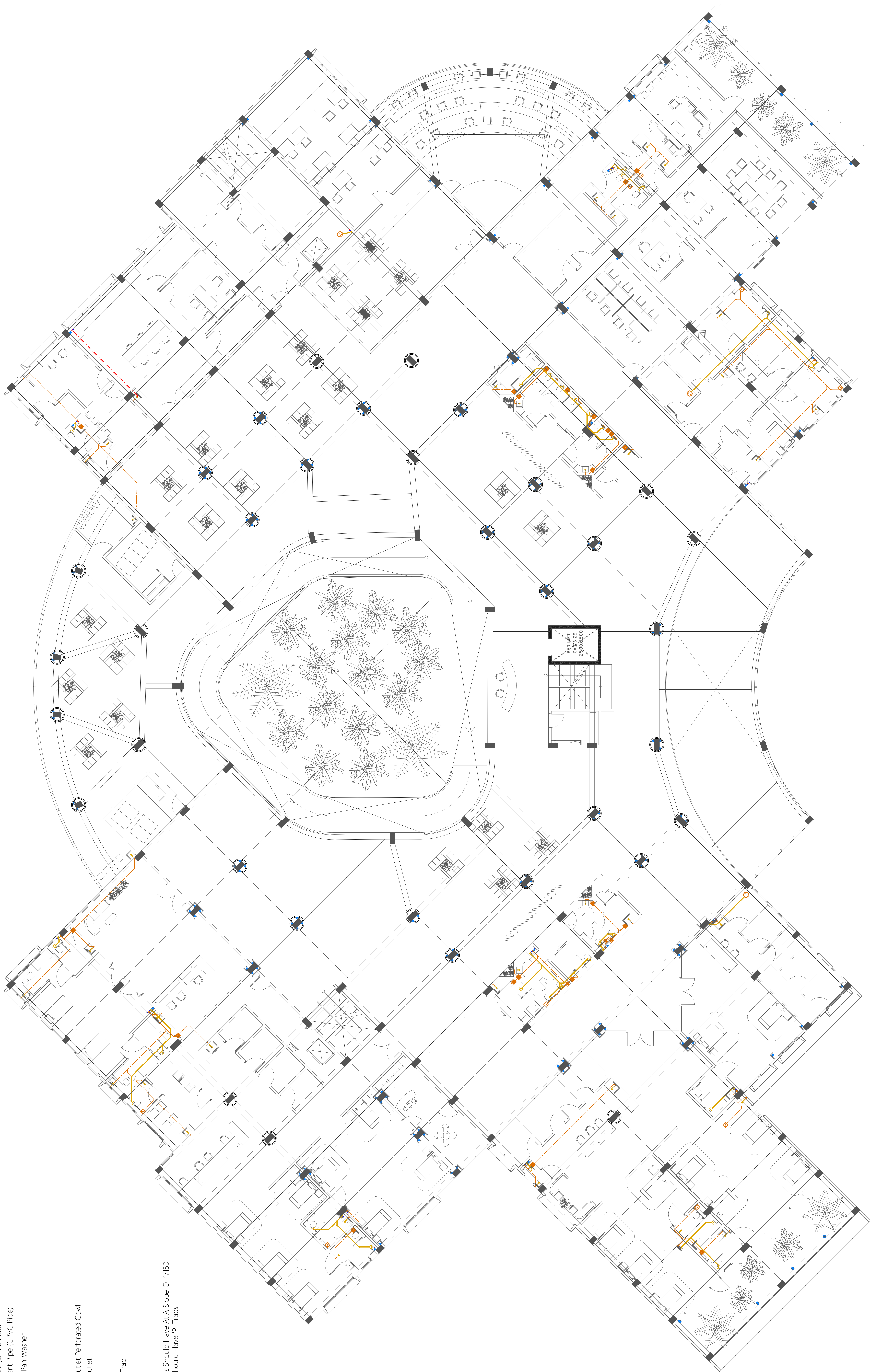
Bottle Trap


900x1200 Grease Trap

Notes :-

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

-All Floor Drains Should Have 'P' Traps



	PROJECT TITLE PA. HOSPITAL HOSPITAL BUILDING	JOINT ENGINEER MINISTRY OF HEALTH	DESIGN MONITOR SURVEILLING, DESIGN AND DEVELOPMENT SECTION		REV.	DESCRIPTION	DATE	APP.	SHEET IDENTIFICATION NUMBER
	APPROVED BY AS GIVEN	PA. HOSPITAL	INCHARGE DESIGN TEAM	STRUCTURAL DESIGNER NAGAN K M					
		REGISTERED PA. HOSPITAL	ARCHITECT NAGAN K M	ARCHITECTURAL CHECKER NAGAN K M					P1.04
			STRUCTURAL NAGAN K M	STRUCTURAL CHECKER NAGAN K M					SHEET TITLE 12

WASTE WATER LAYOUT | FIRST FLOOR PLAN

SCALE: 1:100

