

# HA. HOARAFUSHI HOSPITAL BUILDING SERVICES DRAWINGS

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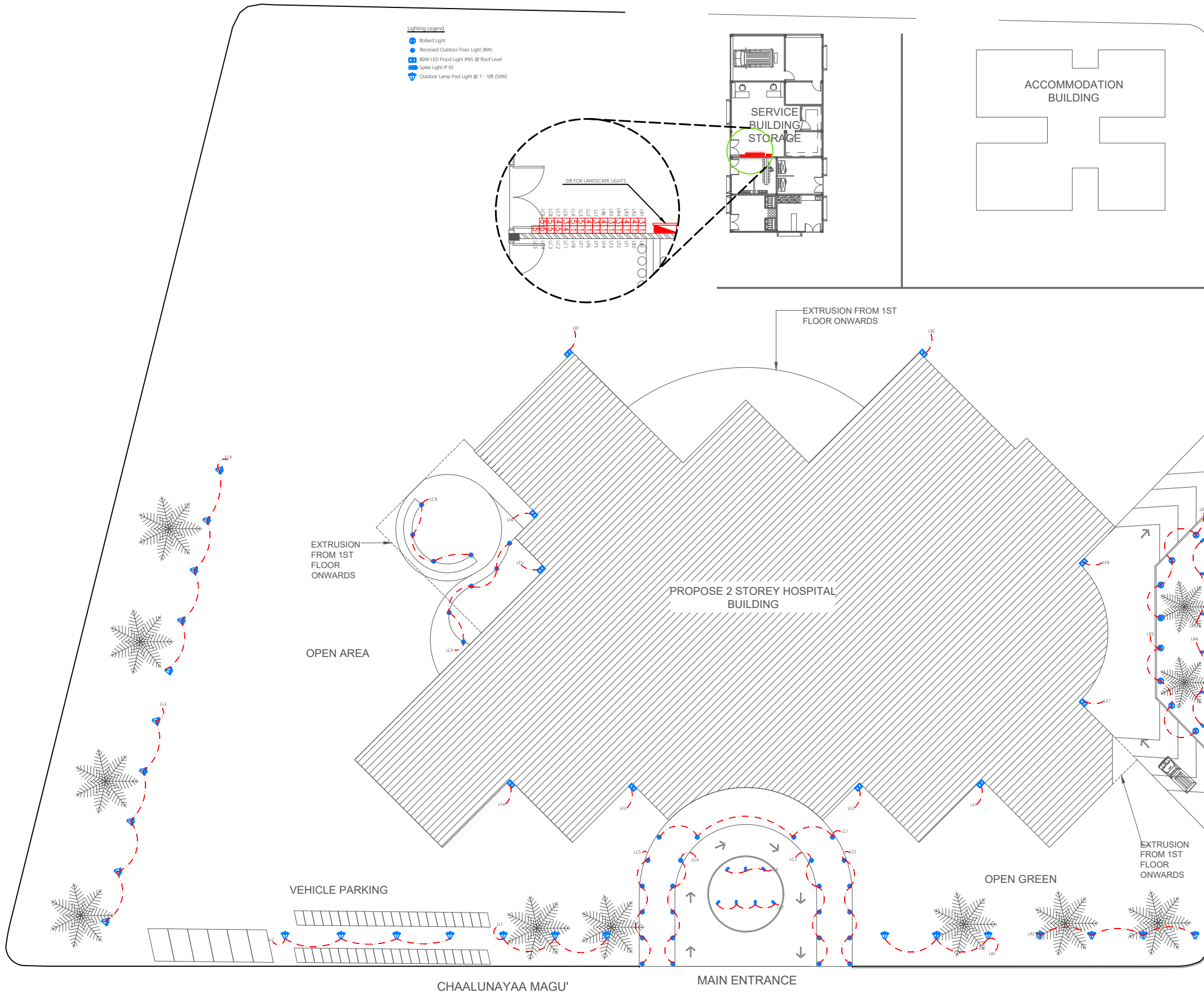
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CLIENT: MINISTRY OF HEALTH

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

REV	DESCRIPTION	DATE	APPR

SHEET IDENTIFICATION NUMBER
L1.01
SHEET TITLE
01



LED LIGHT STRIP IN-  
WARM COLOR

DETAIL A

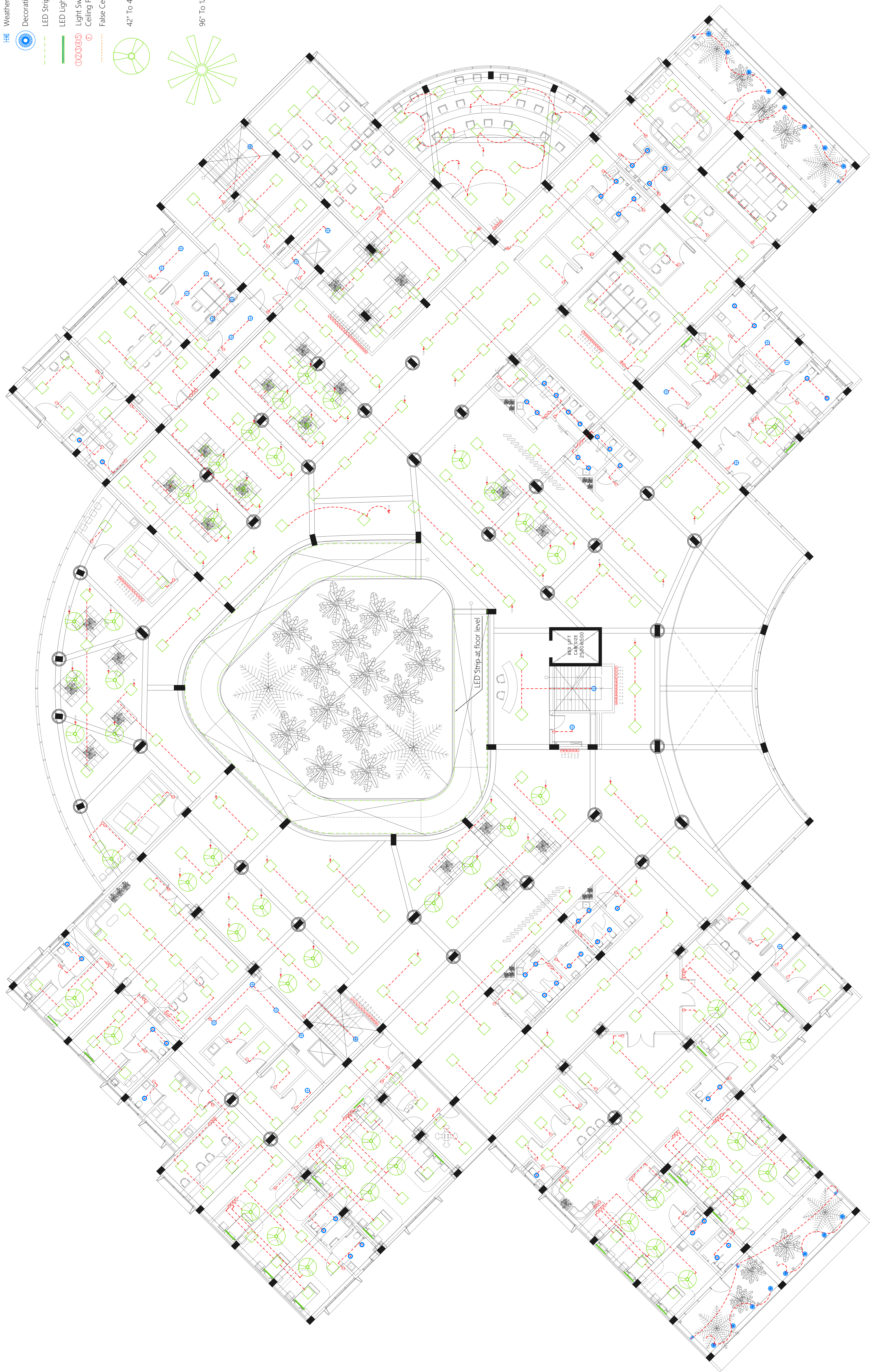
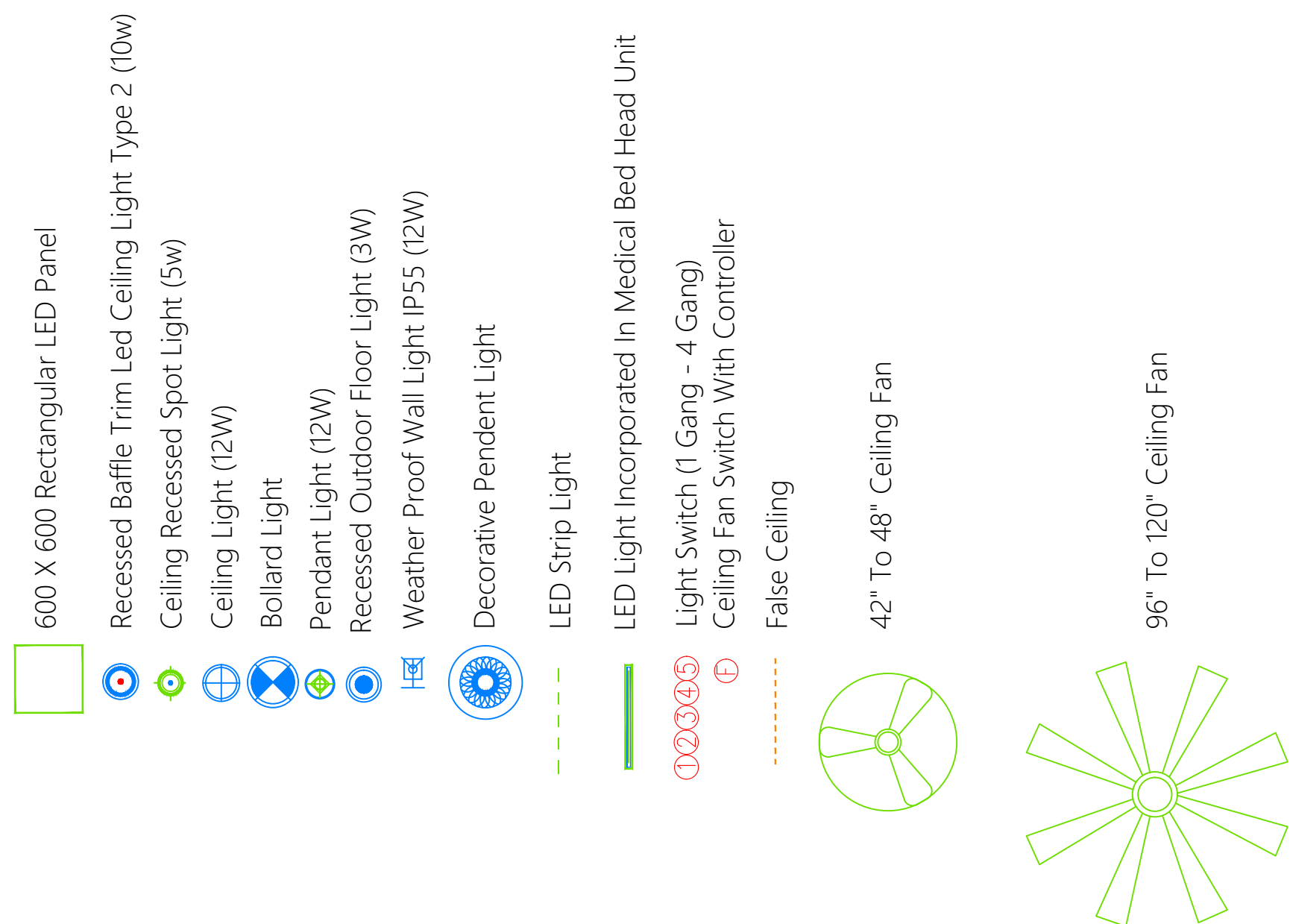
LED Strip at floor level

REFER TO DETAIL A


AT ROOF LEVEL

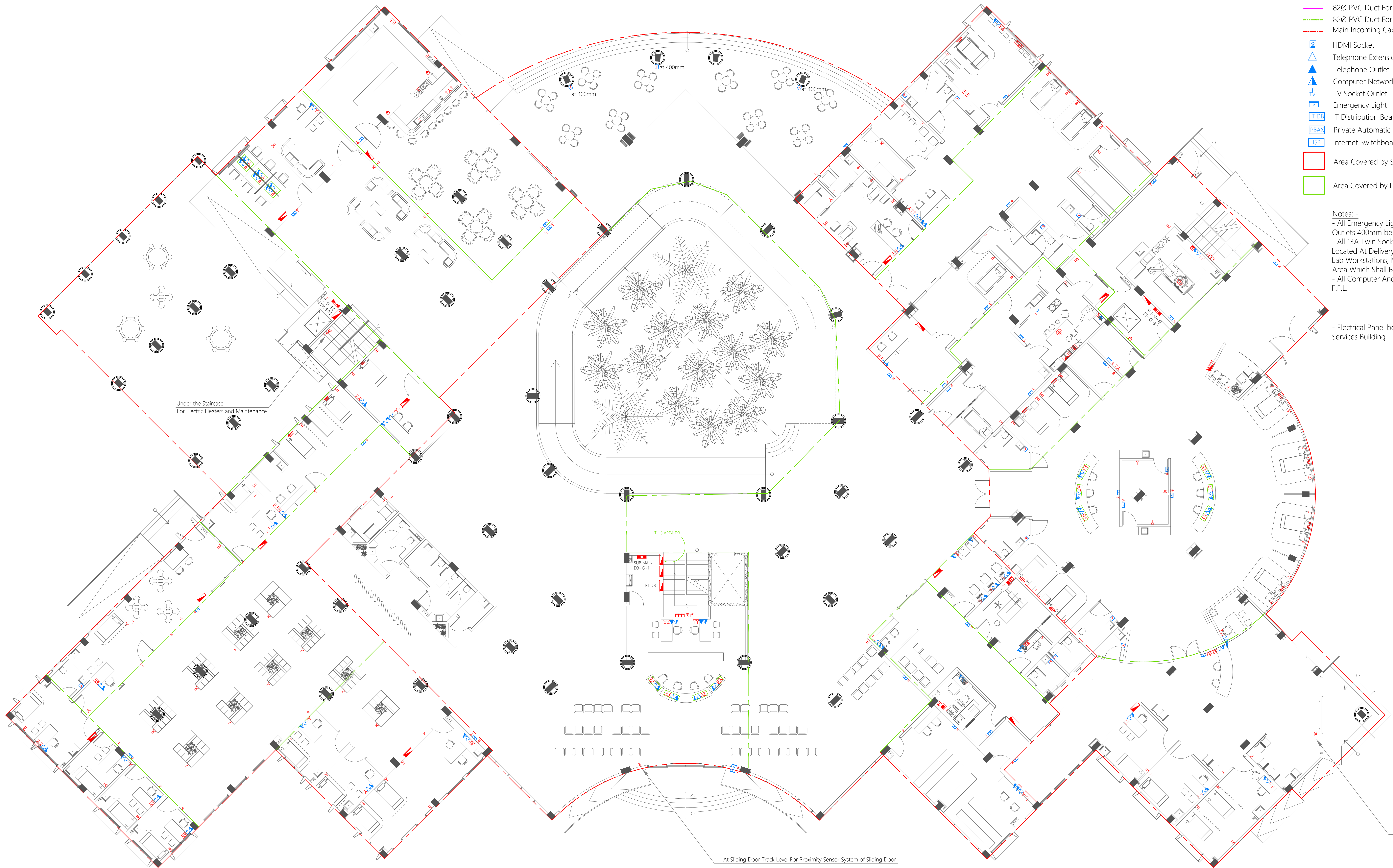
REFER TO DETAIL







<div><div><b>COMPANY NAME</b> ADDRESS CITY, STATE, ZIP PHONE EMAIL</div></div>		<div><b>PROJECT TITLE</b> PROJECT NUMBER</div>													
<div><b>CLIENT NAME</b> CLIENT ADDRESS CITY, STATE, ZIP PHONE EMAIL</div>		<div><b>PROJECT LOCATION</b> PROJECT DATE</div>													
<div><b>DESIGNER NAME</b> DESIGNER ADDRESS CITY, STATE, ZIP PHONE EMAIL</div>		<div><b>DESIGNER PHONE</b> DESIGNER EMAIL</div>													
<div><b>DESIGNER WEBSITE</b> DESIGNER SOCIAL MEDIA</div>															
<div><b>REVISIONS</b></div> <table><thead><tr><th>NO.</th><th>DESCRIPTION</th><th>DATE</th></tr></thead><tbody><tr><td>1</td><td>ISSUED FOR PERMIT</td><td>2024-01-01</td></tr><tr><td>2</td><td>ISSUED FOR CONSTRUCTION</td><td>2024-01-01</td></tr><tr><td>3</td><td>ISSUED FOR AS-BUILT</td><td>2024-01-01</td></tr></tbody></table>		NO.	DESCRIPTION	DATE	1	ISSUED FOR PERMIT	2024-01-01	2	ISSUED FOR CONSTRUCTION	2024-01-01	3	ISSUED FOR AS-BUILT	2024-01-01		
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<div><b>ELECTRICAL LAYOUT   GROUND FLOOR PLAN</b></div>															
<div>SCALE 1:100</div>															
<div><b>E101</b></div>															



- 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

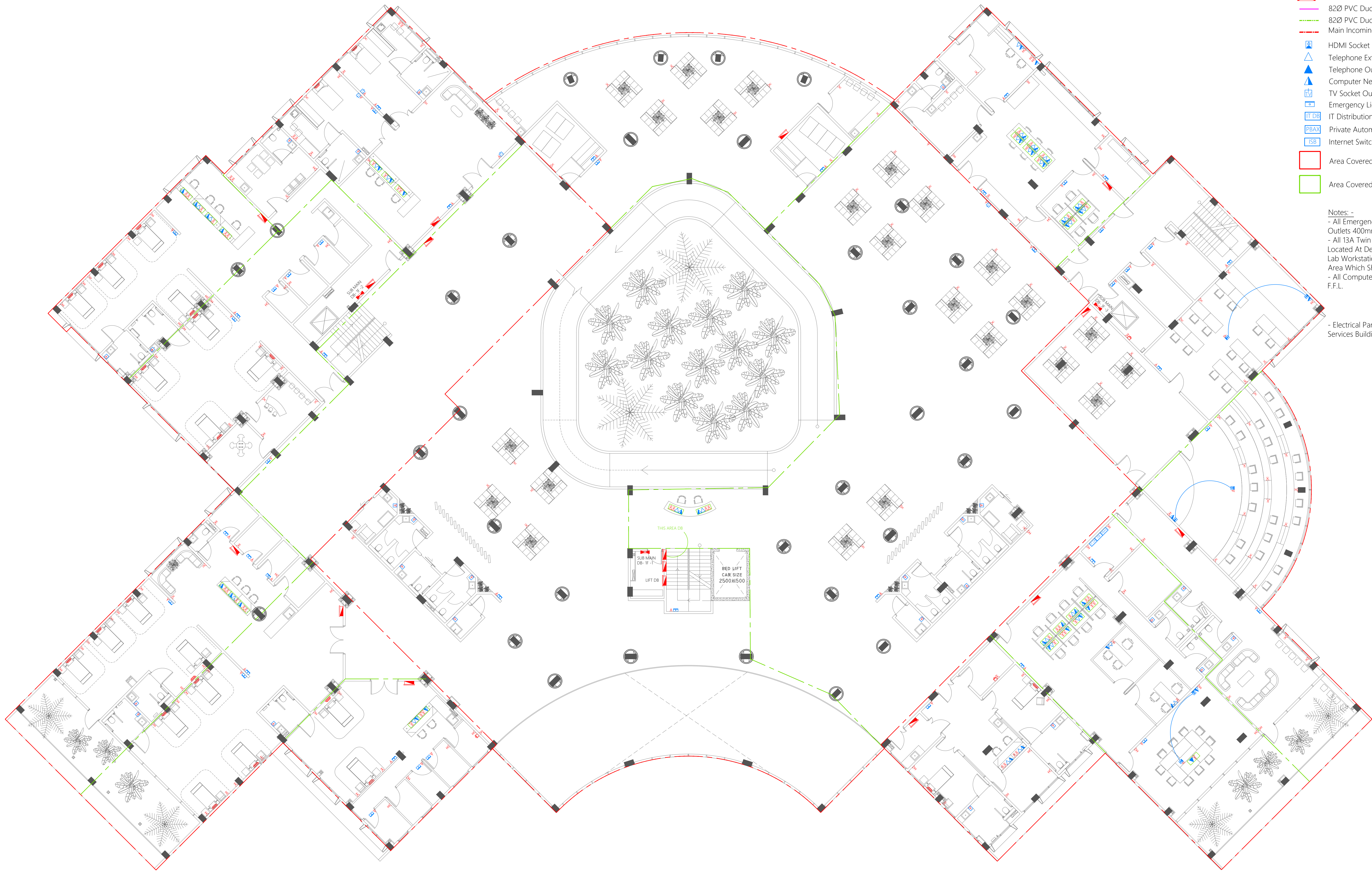
At Sliding Door Track Level For Proximity Sensor System of Sliding Door



PROJECT INFORMATION	
PROJECT NAME	PROJECT NUMBER
CLIENT INFORMATION	
CLIENT NAME	CLIENT ADDRESS
CLIENT PHONE	CLIENT EMAIL
DESIGNER INFORMATION	
DESIGNER NAME	DESIGNER ADDRESS
DESIGNER PHONE	DESIGNER EMAIL
DATE	
DATE	DATE
E.I.02	

ELECTRICAL LAYOUT | FIRST FLOOR PLAN

SCALE 1:100



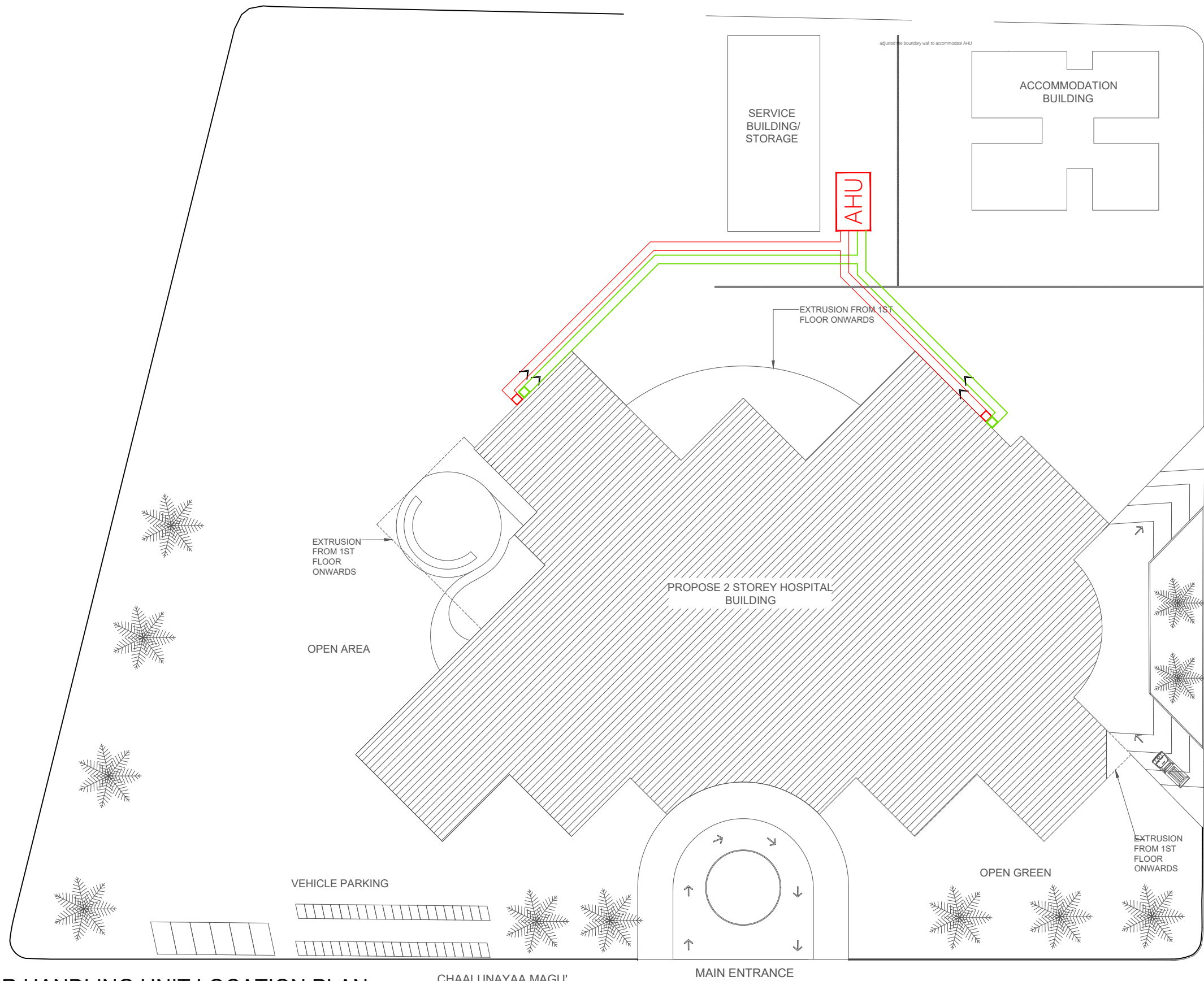
Legend

- 13A Twin Socket
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- 15A Switch @ 1200mm From F.F.L.
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- Main Incoming Cable For Power In 110Ø PVC Duct Below Ground Slab
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- 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:-  
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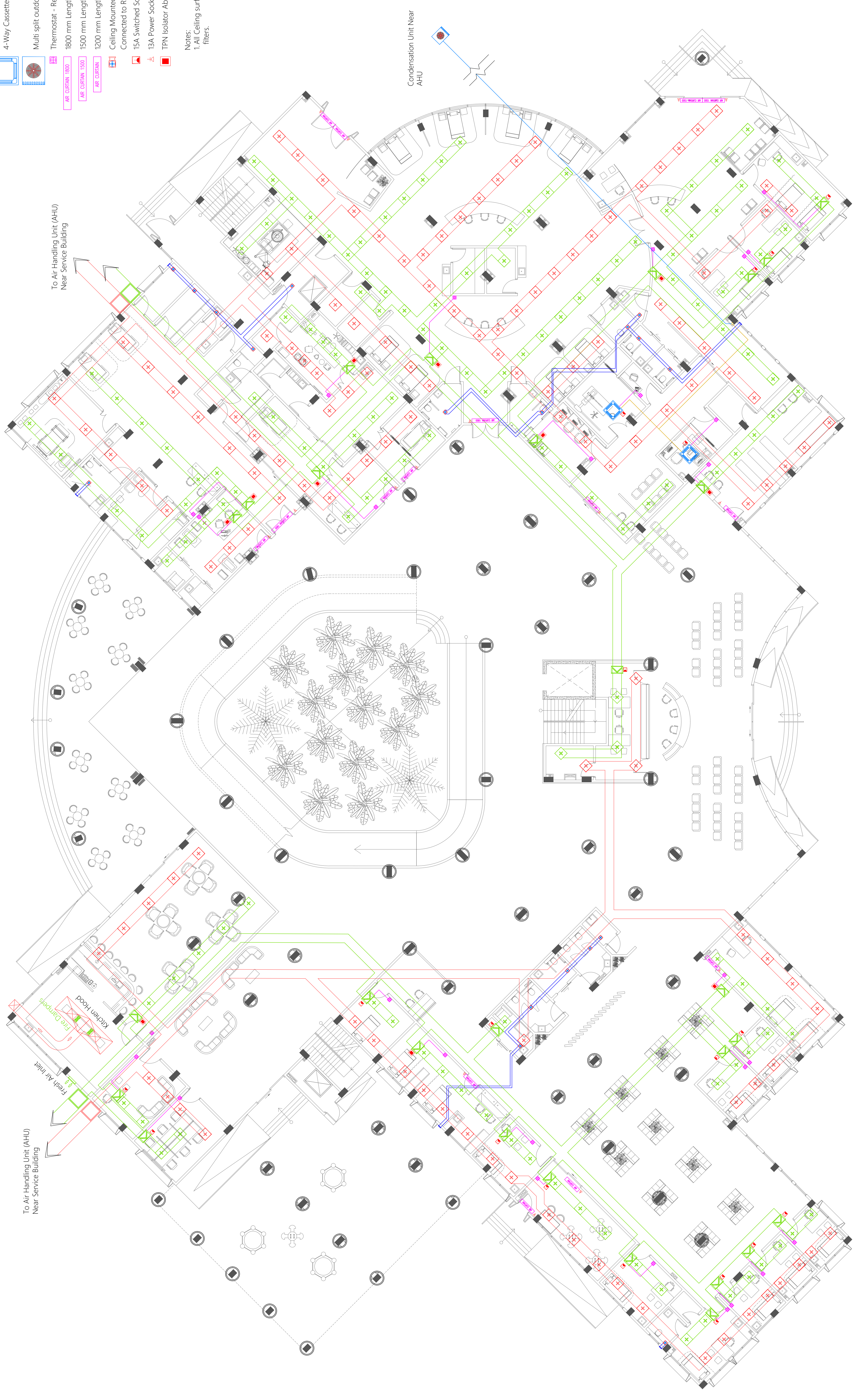
A/C LAYOUT | AIR HANDLING UNIT LOCATION PLAN

SCALE 1:500

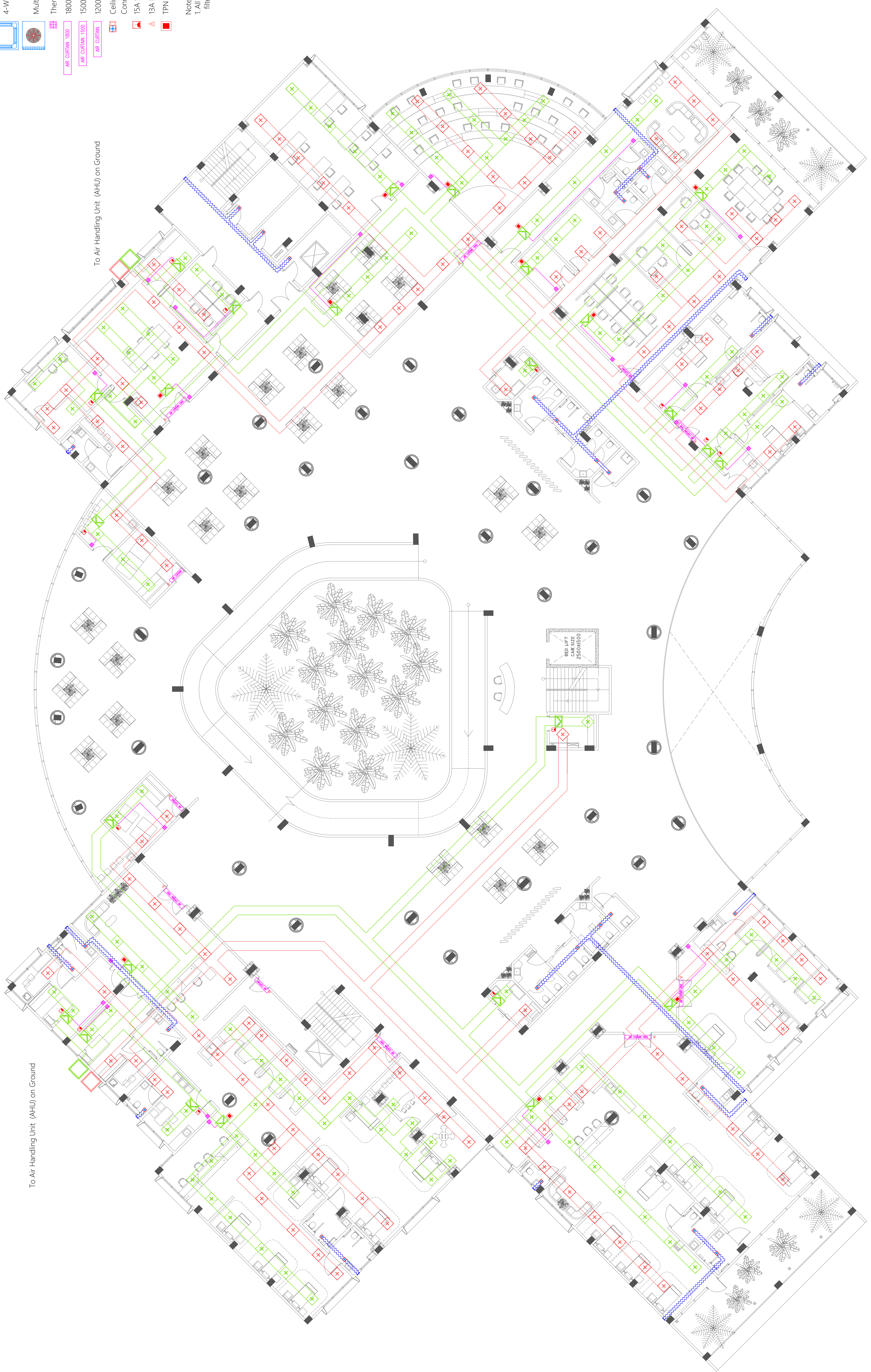


 <b>MTCC</b> MALDIVES TRANSPORT & CONTRACTING COMPANY PLC <small>SURVEY, DESIGN AND DEVELOPMENT SECTION CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT MTCC TOWER, BODU THAKURUPPANA MAGU, MALE 20181, REPUBLIC OF MALDIVES. PHONE: +(960) 332 6822 FAX: +(960) 333 3835 E-MAIL: design.development@mtcc.com.mv</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 <b>M1.01</b>  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						



















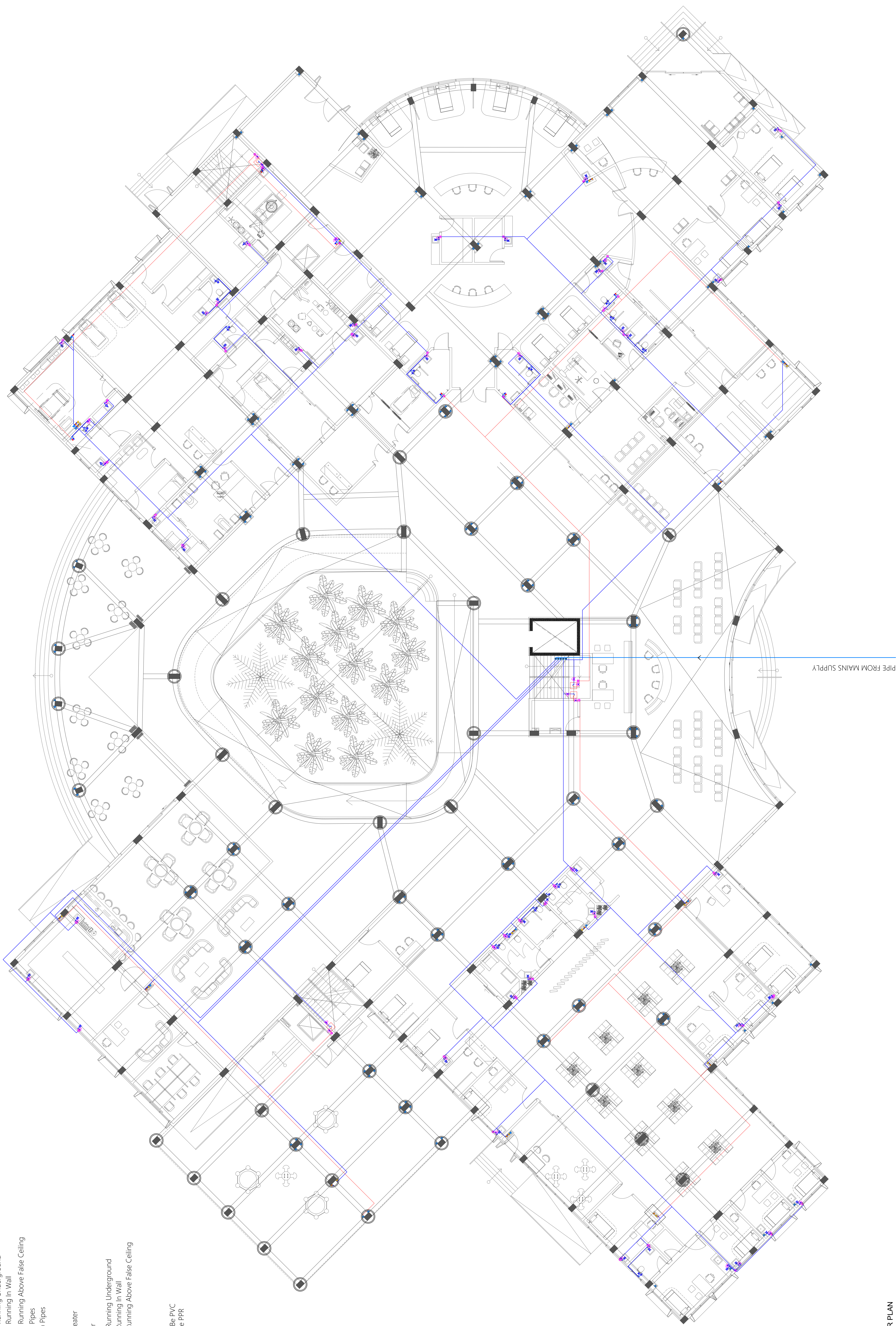




- |  |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|
| 160° Cold Water Supply To Basin Faucet   | 250° Cold Water Supply Pipes Running Underground                                    | 200° Cold Water Supply Pipes Running In Wall  | 200° Cold Water Supply Pipes Running Above False Ceiling                            | 160° Rain Water Supply (RWS) Pipes  | 250° Rain Water Supply Pipes  | 230° Hot Water Supply Pipes   | 200° Floor Standing Water Heater  | 100° 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: -

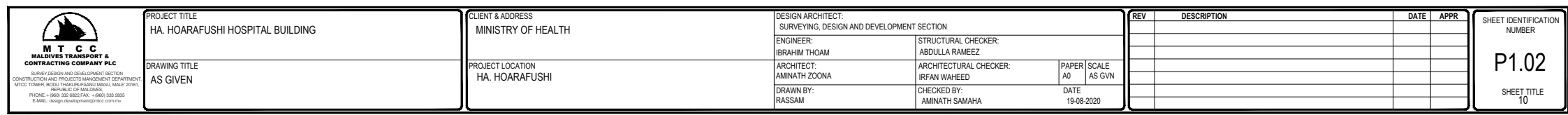
- All Cold Water Pipes Should Be PVC
- SII Hot Water Pipes Should Be PPR



PIPE FROM MAINS SUPPLY



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



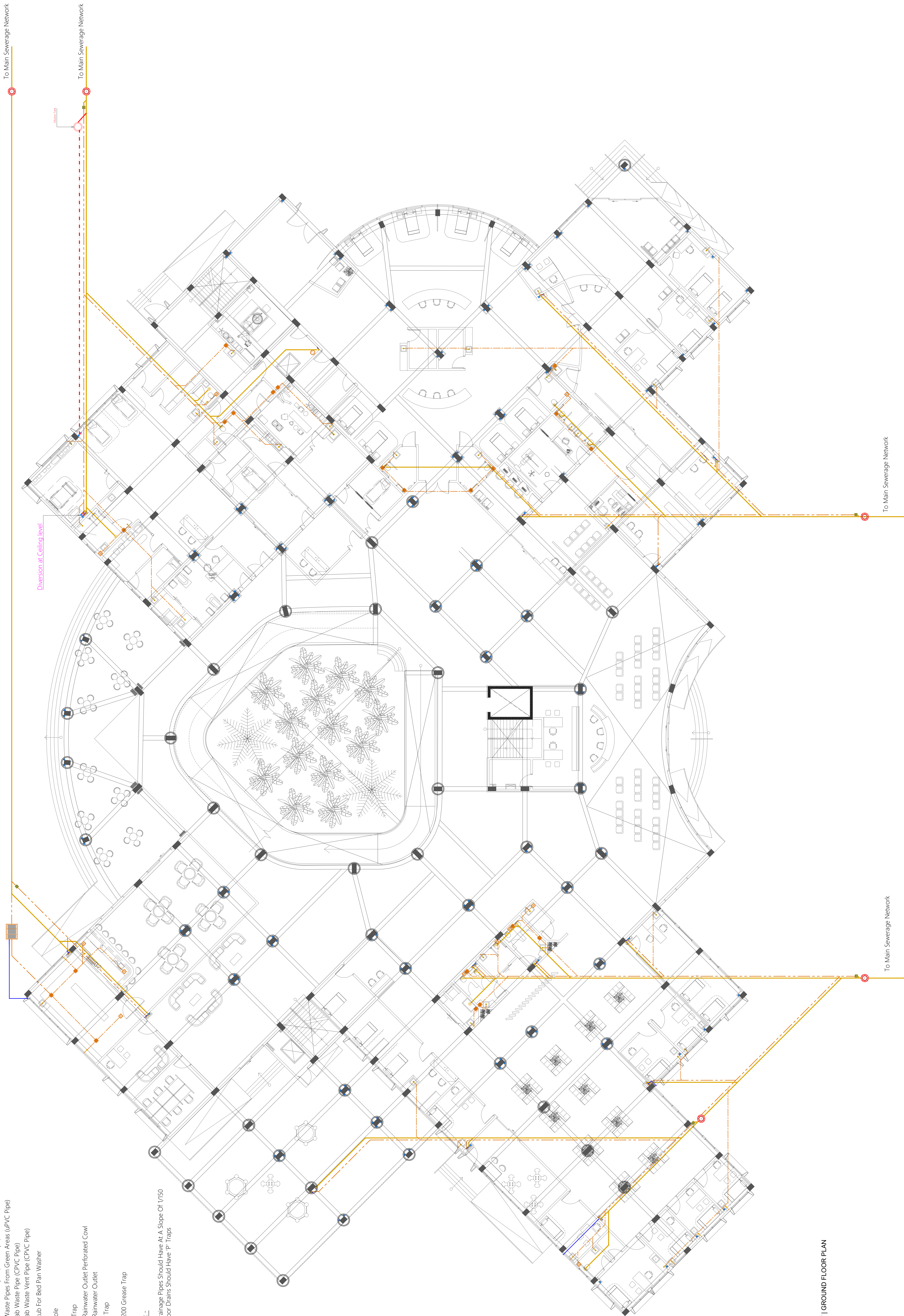


Legend

- 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 1" Traps



Diversion at Ceiling level


Drain Trap

To Main Sewerage Network

To Main Sewerage Network

To Main Sewerage Network

To Main Sewerage Network

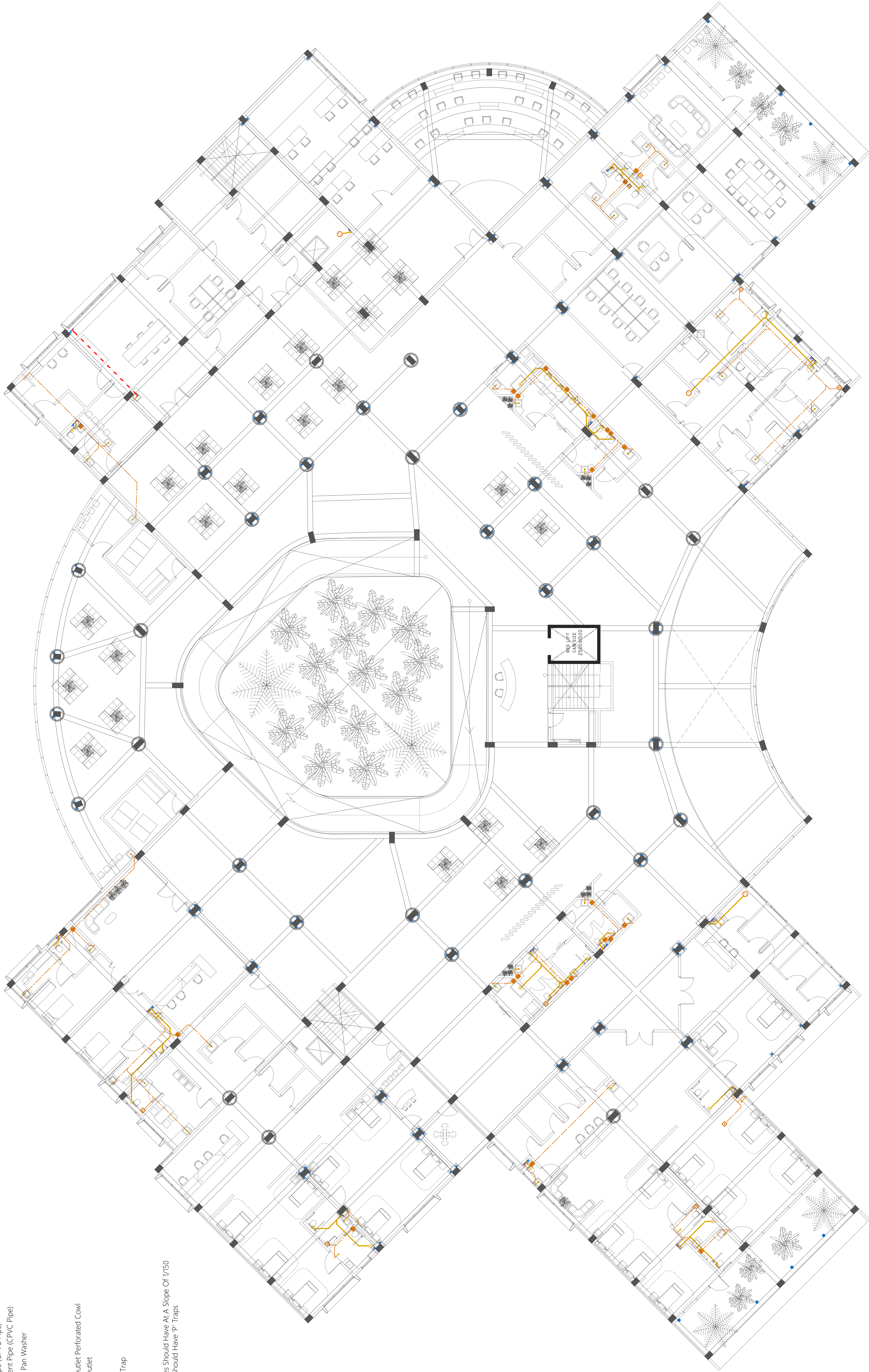
	PROJECT PA HOSPITAL HOSPITAL BUILDING	DESIGNED BY MINISTRY OF HEALTH	DESIGNED BY MINISTRY OF HEALTH	DESIGNED BY MINISTRY OF HEALTH	DESIGNED BY MINISTRY OF HEALTH
	PROJECT NO. AS GIVEN	PROJECT NO. PA HOSPITAL	PROJECT NO. PA HOSPITAL	PROJECT NO. PA HOSPITAL	PROJECT NO. PA HOSPITAL
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	PROJECT NO. AS GIVEN	PROJECT NO. PA HOSPITAL	PROJECT NO. PA HOSPITAL	PROJECT NO. PA HOSPITAL	PROJECT NO. PA HOSPITAL


WASTE WATER LAYOUT | GROUND FLOOR PLAN

SCALE: 1:100



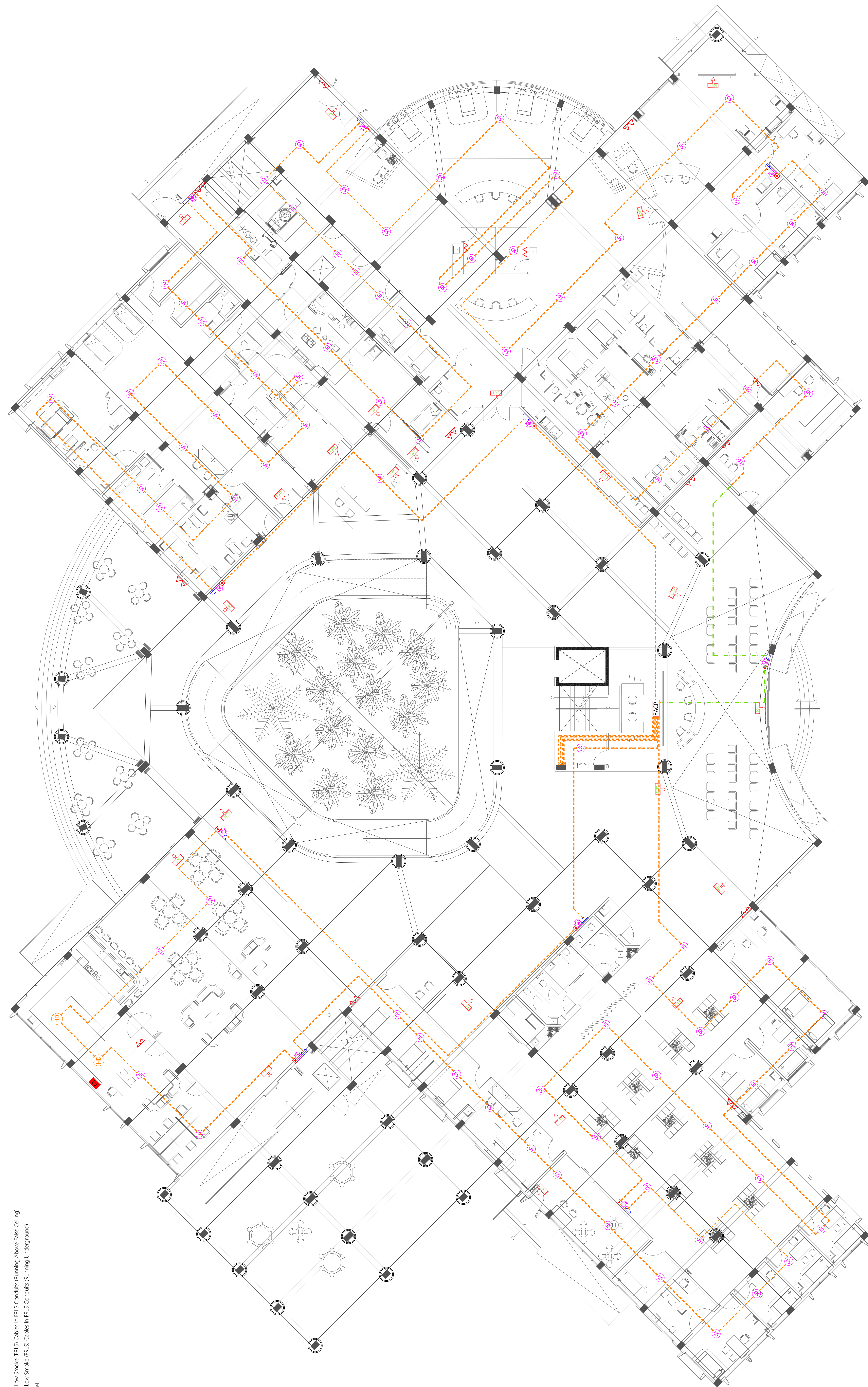
- Legend**
- Floor Drain
  - Floor Gully
  - 820 Stub For Washing Machine Or Tub
  - 1100 Soil Pipe (uPVC Pipe)
  - 1100 Soil Vent Pipe (uPVC Pipe)
  - 820 Waste Pipe (uPVC Pipe)
  - 820 Waste Vent Pipe (uPVC Pipe)
  - 400 Waste Pipe (uPVC Pipe)
  - 1100 Waste Pipe For Laundry (uPVC Pipe)
  - 630 Manhole 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



 <b>MOH</b> MINISTRY OF HEALTH GOVERNMENT OF KERALA P.O. BOX 100, KOTTAYAM KERALA 686 001 INDIA	PROJECT TITLE PA HOSPITAL HOSPITAL BUILDING		SHEET NUMBER MINISTRY OF HEALTH		DESIGN PROJECT NO P1.04		DATE 01/01/2024	
	DESIGNED BY AS/SEN		CHECKED BY AS/SEN		SCALE 1:100		WASTE WATER LAYOUT   FIRST FLOOR PLAN	
	DRAWN BY AS/SEN		SCALE 1:100		WASTE WATER LAYOUT   FIRST FLOOR PLAN		P1.04	
	PROJECT NO 00000000		SHEET NO 00000000		WASTE WATER LAYOUT   FIRST FLOOR PLAN		P1.04	



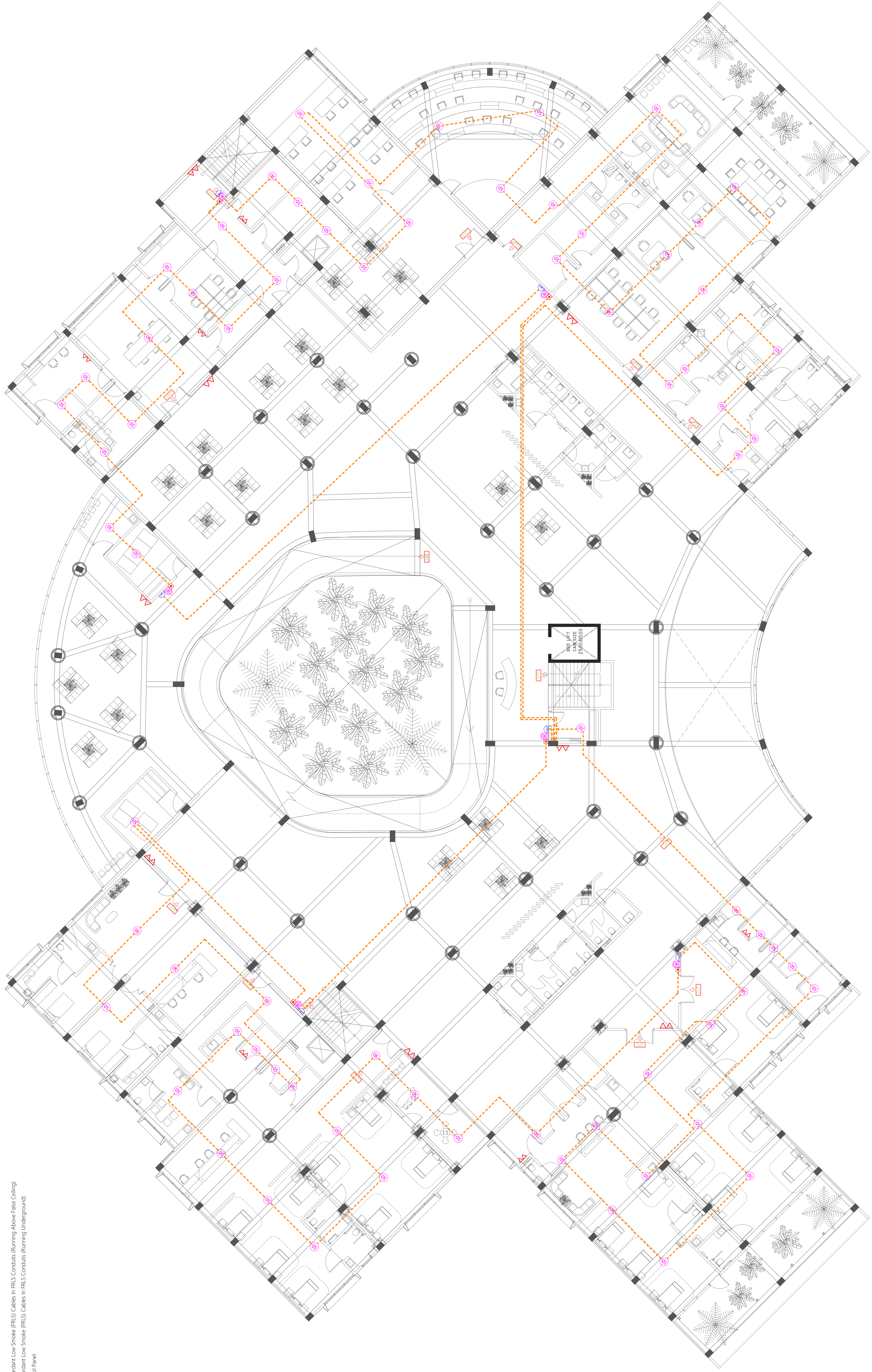
- Wet Chemical Extinguisher (load: 6U) in Polycarbonate Enclosure
- CO<sub>2</sub> Extinguisher (load: 2kg) in Polycarbonate Enclosure
- DCP Extinguisher (load: 6kg) in Polycarbonate Enclosure
- H<sub>2</sub>O Extinguisher (load: 9U) in Polycarbonate Enclosure
- Manual Call Point
- Smoke Detector
- Heat Detector
- Beacon
- Sounder Bell
- 2.5mm<sup>2</sup> Fire Retardant Low Smoke (FRLS) Cables in FRLS Conduits (Running Above False Ceiling)
- 2.5mm<sup>2</sup> Fire Retardant Low Smoke (FRLS) Cables in FRLS Conduits (Running Underground)
- FACP Fire Alarm Control Panel
- Fire Blanket
- Exit Sign



FIRE SAFETY LAYOUT | GROUND FLOOR PLAN



Wet Chemical Extinguisher (load 6L) in Polycarbonate Enclosure  
CO<sub>2</sub> Extinguisher (load 2kg) in Polycarbonate Enclosure  
DCP Extinguisher (load 2kg) in Polycarbonate Enclosure  
H<sub>2</sub>O Extinguisher (load 9L) in Polycarbonate Enclosure  
Manual Call Point  
Smoke Detector  
Heat Detector  
Beacon  
Sounder Bell  
2.5mm<sup>2</sup> Fire Retardant Low Smoke (FRLS) Cables in FRLS Conduits (Running Above False Ceiling)  
2.5mm<sup>2</sup> 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 OWNER MINISTRY OF HEALTH	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN
	PROJECT PA HOSPITAL HOSPITAL BUILDING	PROJECT OWNER MINISTRY OF HEALTH	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN
	PROJECT PA HOSPITAL HOSPITAL BUILDING	PROJECT OWNER MINISTRY OF HEALTH	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN
	PROJECT PA HOSPITAL HOSPITAL BUILDING	PROJECT OWNER MINISTRY OF HEALTH	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN	DESIGNER ALSOEN

FIRE SAFETY LAYOUT | FIRST FLOOR PLAN