

# HA. HOARAFUSHI HOSPITAL ACCOMMODATION BUILDING SERVICES DRAWINGS

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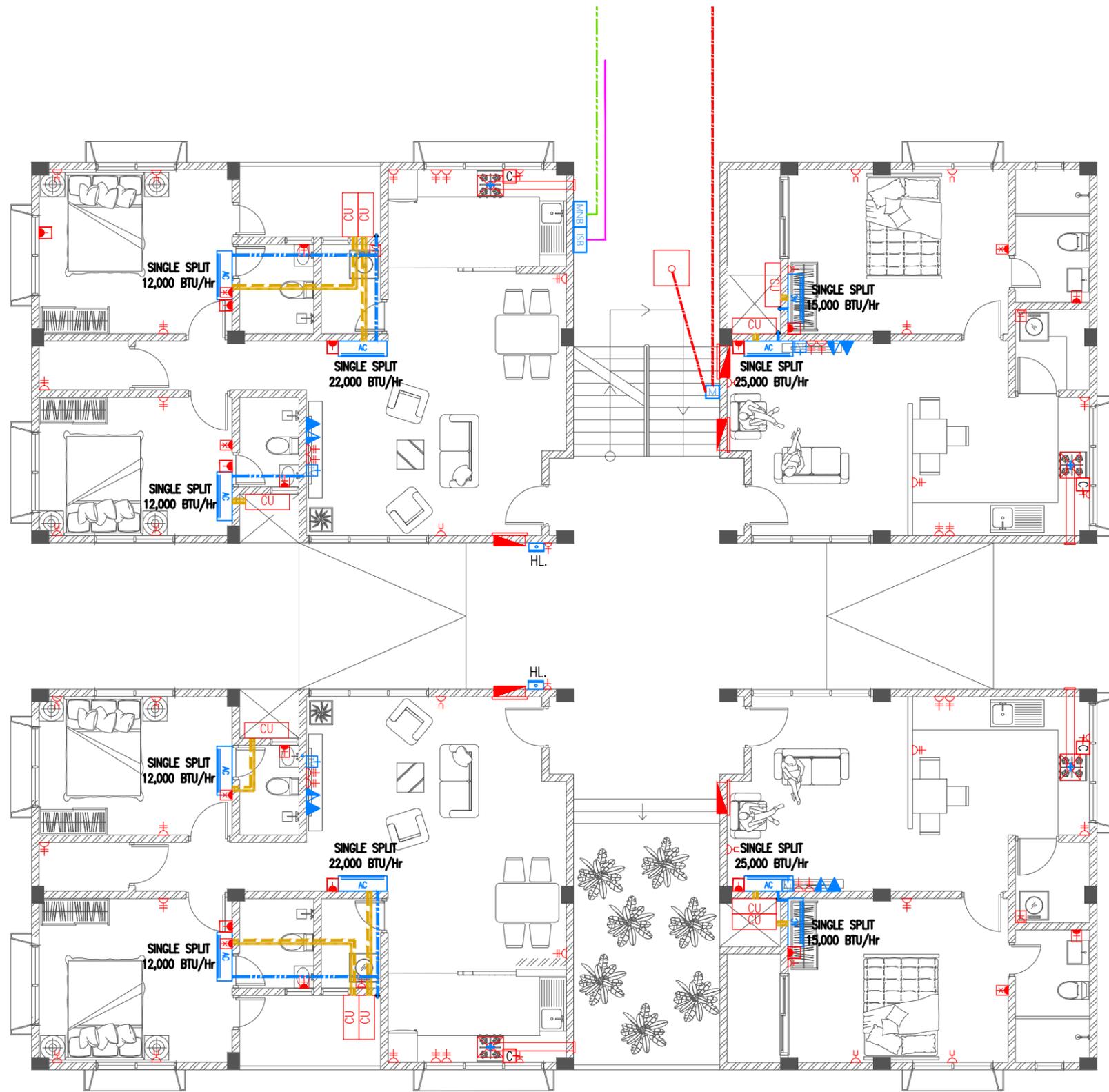
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CLIENT: MINISTRY OF HEALTH

DESIGN : SURVEY , DESIGN AND DEVELOPMENT SECTION | MTCC PLC

DATE: 19 AUGUST 2020

LOCATION: HA. HOARAFUSHI



**Legend**

- 13A Twin Socket
- 13A Twin Socket With USB Ports At 300mm From F.F.L.
- 15A Switched Socket @ H.L.
- Shaver Socket For Toilets Only At 1000mm From F.F.L.
- 20A Switched Neon Indicator For Electric Water Heater
- 13A Power Socket
- 13A Power Socket in Weatherproof Polycarbonate Enclosure
- 15A Cooker Socket At 300mm From F.F.L.
- Distribution Board
- H.L.
- Angular Camera
- 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
- Internet Switchboard
- Medianet Booster
- Telephone Outlet
- Computer Network Outlet
- TV Socket Outlet
- Emergency Light
- Electricity Meter

**Legend**

- Refrigerant Pipes
- 25Ø Condensate Drain Pipe
- 40Ø Condensate Drain Riser Pipe
- Wall Mount Air Conditioner
- Outdoor Condensing Unit
- Kitchen Hood

**Notes: -**

Where Condensate Drain Pipes Are Connected To Wash Basin Or Kitchen Sink, 25 Ø Condensate Drain Pipe Is Extended In 32 Ø Flex Conduit Into 40 Ø Waste Pipe Of Respective Basin Or Sink

**Notes: -**

- All 13A Power Outlets For Kitchen Hood OR Under Cabinet Lights OR Wardrobe Lights At 1800mm From F.F.L.
- All 13A Power Sockets in Weatherproof Polycarbonate Enclosure At 450mm From F.F.L.
- All Twin Sockets At 300mm From F.F.L. Except Located At Kitchen Cupboard Area Which Shall Be At 1200mm From F.F.L.
- All Computer, TV And Telephone Points At 300mm From F.F.L.
- All 20A Switched Neon Indicator At 1200mm From F.F.L.



**ELECTRICAL PLAN | GROUND FLOOR**

SCALE 1:100

<p><b>MTCC</b> MALDIVES TRANSPORT &amp; CONTRACTING COMPANY PLC</p> <p><small>SURVEY DESIGN AND DEVELOPMENT SECTION CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT, MTCC TOWER, BOBU THAKURUF AANU MAGU, MALE 20181, REPUBLIC OF MALDIVES, PHONE: +960 332 6822 FAX: +960 333 2835 E-MAIL: design.developments@mtcc.com.mv</small></p>	<p><b>PROJECT TITLE</b> HA. HOARAFUSHI HOSPITAL ACCOMMODATION L BUILDING</p>	<p><b>CLIENT &amp; ADDRESS</b> MINISTRY OF HEALTH</p>	<p><b>DESIGN ARCHITECT:</b> SURVEYING, DESIGN AND DEVELOPMENT SECTION</p>		<b>REV</b>	<b>DESCRIPTION</b>	<b>DATE</b>	<b>APPR</b>	<p>SHEET IDENTIFICATION NUMBER</p> <p><b>E1.01</b></p> <p>SHEET TITLE</p> <p>01</p>
	<p><b>DRAWING TITLE</b> AS GIVEN</p>	<p><b>PROJECT LOCATION</b> HA. HOARAFUSHI</p>	<p><b>ENGINEER:</b> IBRAHIM THOAM</p> <p><b>ARCHITECT:</b> AMINATH ZOONA</p> <p><b>DRAWN BY:</b> RASSAM</p>	<p><b>STRUCTURAL CHECKER:</b> ABDULLA RAMEEZ</p> <p><b>ARCHITECTURAL CHECKER:</b> IRFAN WAHEED</p> <p><b>CHECKED BY:</b> AMINATH SAMAHA</p>	<p><b>PAPER</b> A3</p> <p><b>SCALE</b> AS GVN</p> <p><b>DATE</b> 19-08-2020</p>				

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Legend

- 13A Twin Socket
- 13A Twin Socket With USB Ports At 300mm From F.F.L.
- 15A Switched Socket @ H.L.
- Shaver Socket For Toilets Only At 1000mm From F.F.L.
- 20A Switched Neon Indicator For Electric Water Heater
- 13A Power Socket
- 13A Power Socket in Weatherproof Polycarbonate Enclosure
- 15A Cooker Socket At 300mm From F.F.L.
- Distribution Board
- HL. High Level
- Angular Camera
- 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
- ISB Internet Switchboard
- MNB Medianet Booster
- Telephone Outlet
- Computer Network Outlet
- TV Socket Outlet
- Emergency Light
- Electricity Meter

Legend

- Refrigerant Pipes
- 25Ø Condensate Drain Pipe
- 40Ø Condensate Drain Riser Pipe
- AC Wall Mount Air Conditioner
- CU Outdoor Condensing Unit
- Kitchen Hood

Notes: -

Where Condensate Drain Pipes Are Connected To Wash Basin Or Kitchen Sink, 25 Ø Condensate Drain Pipe Is Extended In 32 Ø Flex Conduit Into 40 Ø Waste Pipe Of Respective Basin Or Sink

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- All 20A Switched Neon Indicator At 1200mm From F.F.L.

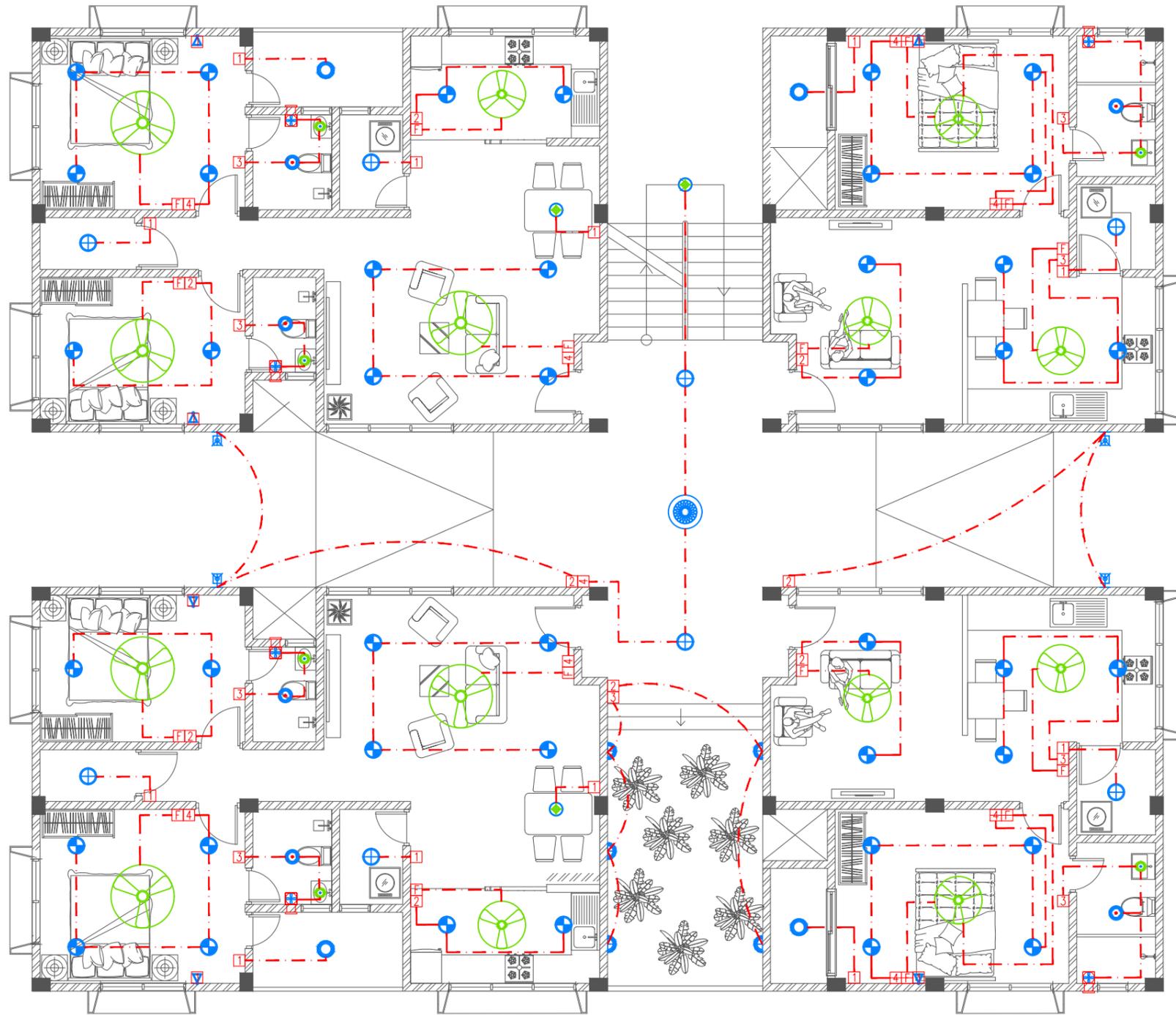


**ELECTRICAL PLAN | FIRST FLOOR**

SCALE 1:100

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	<p>DRAWING TITLE <b>AS GIVEN</b></p>	<p>PROJECT LOCATION <b>HA. HOARAFUSHI</b></p>	<p>ENGINEER: IBRAHIM THOAM</p>	<p>STRUCTURAL CHECKER: ABDULLA RAMEEZ</p>					
			<p>ARCHITECT: AMINATH ZOONA</p>	<p>ARCHITECTURAL CHECKER: IRFAN WAHEED</p>					
			<p>DRAWN BY: RASSAM</p>	<p>CHECKED BY: AMINATH SAMAHA</p>					

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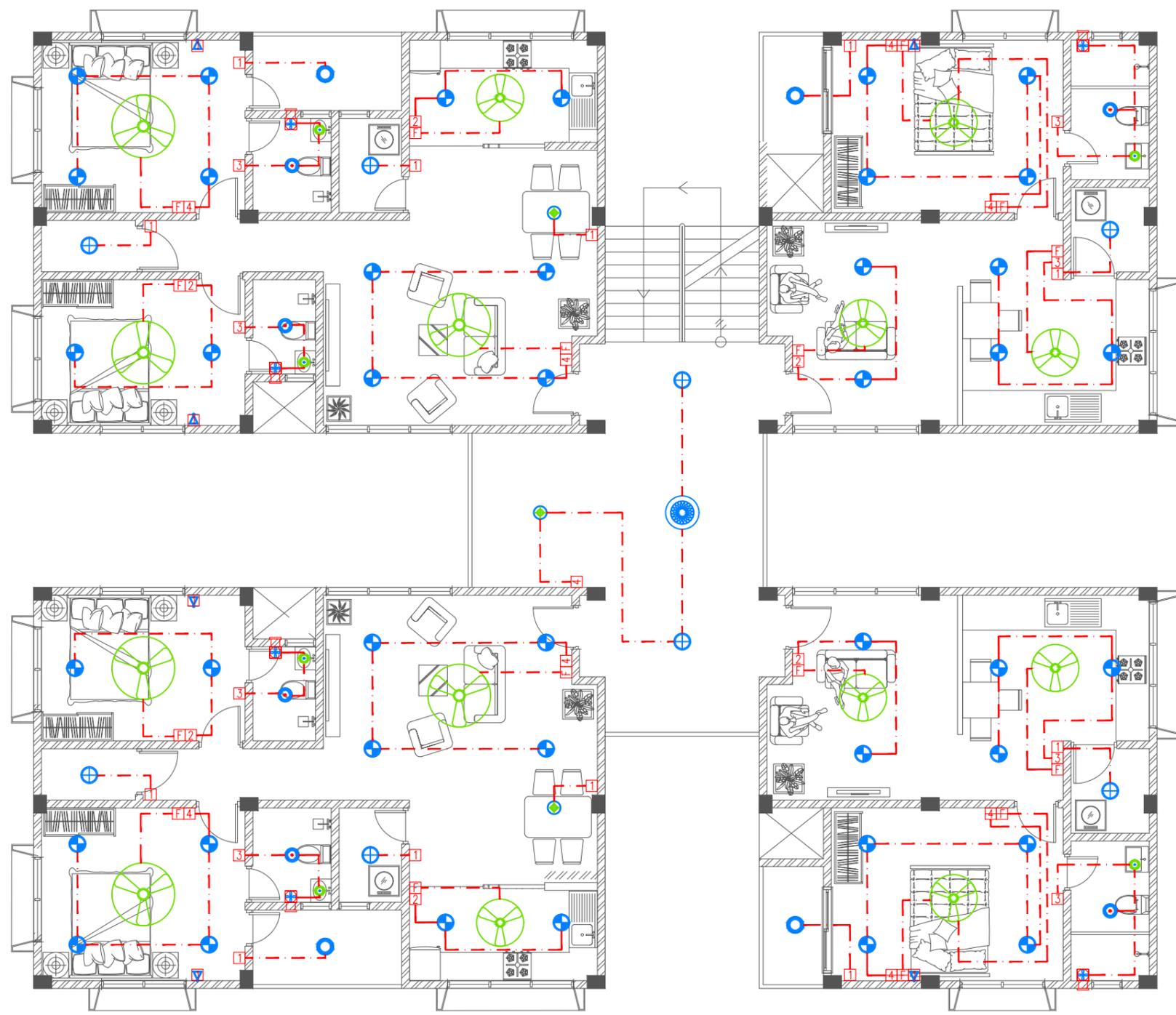


- Legend**
- Ceiling Light (18W)
  - Ceiling Light (12W)
  - Recessed Ceiling Light (12W)
  - Ceiling Down Light (18W) - Weather Proof
  - Wall Light - Weather Proof Ip55 (low Level 8W)
  - Pendant Light (12W)
  - Weather Proof Wall Light IP55 (12W)
  - Night Light (6W)
  - Decorative Pendent Light
  - Ceiling Recessed Spot Light (3W)
  - Light Switch (1 Gang - 4 Gang)
  - Two Way Light Switches (1 Gang - 4 Gang)
  - Ceiling Fan Switch With Controller
  - Two Way Ceiling Fan Switch With Controller
  - 29" To 36" Ceiling Fan
  - 42" To 48" Ceiling Fan
  - Ceiling Mounted Exhaust Fan 90m3/hr

**LIGHTING PLAN | GROUND FLOOR**  
SCALE 1:100

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	<p>DRAWING TITLE AS GIVEN</p>	<p>PROJECT LOCATION HA. HOARAFUSHI</p>	<p>ENGINEER: IBRAHIM THOAM</p>	<p>STRUCTURAL CHECKER: ABDULLA RAMEEZ</p>	<p>PAPER A3</p>	<p>SCALE AS GVN</p>	<p>DATE 19-08-2020</p>	<p>CHECKED BY: AMINATH SAMAHA</p>	

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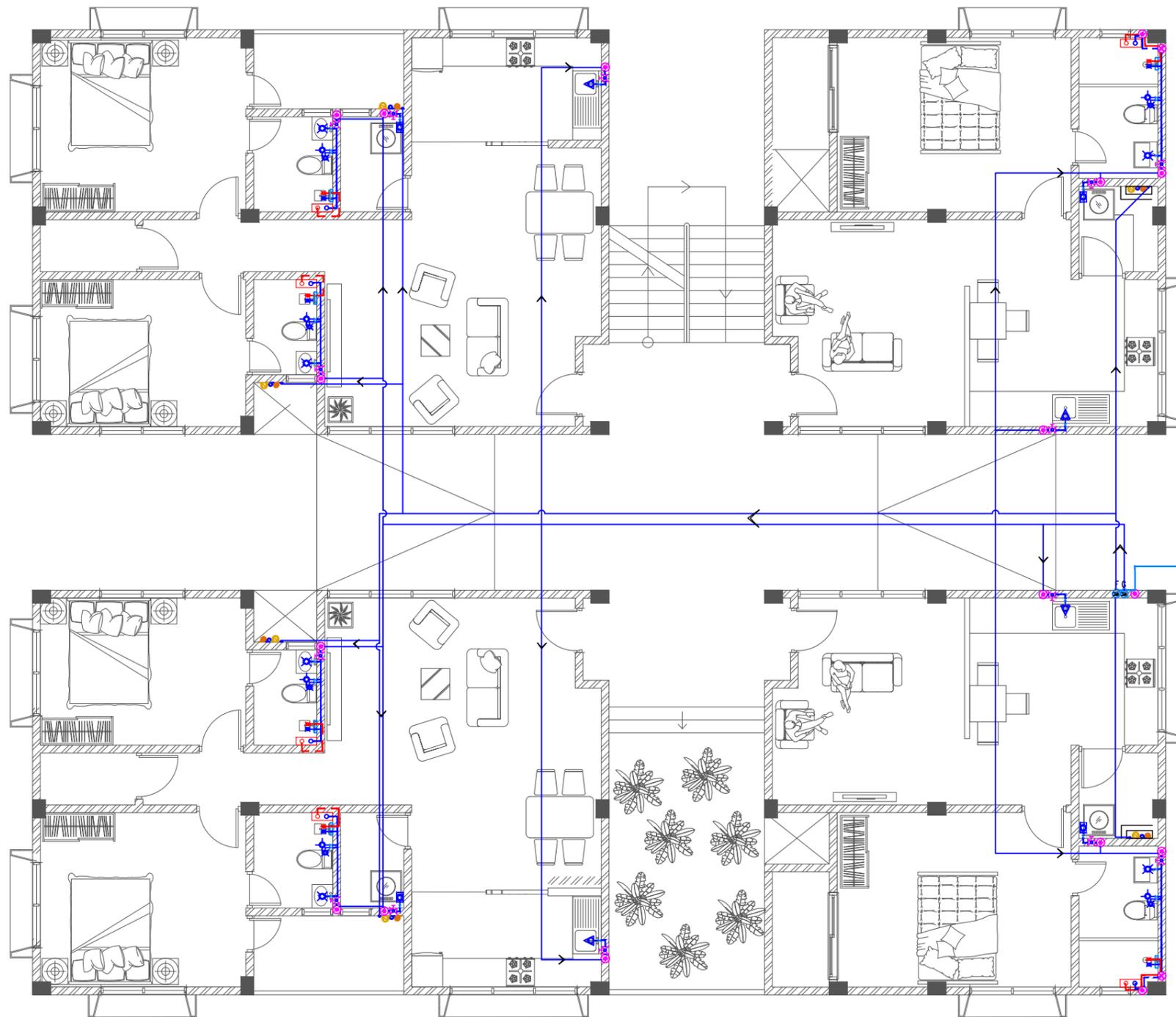


- Legend**
- Ceiling Light (18W)
  - Ceiling Light (12W)
  - Recessed Ceiling Light (12W)
  - Ceiling Down Light (18W) - Weather Proof
  - Wall Light - Weather Proof Ip55 (low Level 8W)
  - Pendant Light (12W)
  - Weather Proof Wall Light IP55 (12W)
  - Night Light (6W)
  - Decorative Pendant Light
  - Ceiling Recessed Spot Light (3W)
  - Light Switch (1 Gang - 4 Gang)
  - Two Way Light Switches (1 Gang - 4 Gang)
  - Ceiling Fan Switch With Controller
  - Two Way Ceiling Fan Switch With Controller
  - 29" To 36" Ceiling Fan
  - 42" To 48" Ceiling Fan
  - Ceiling Mounted Exhaust Fan 90m3/hr

**LIGHTING PLAN | FIRST FLOOR**  
SCALE 1:100

<p><b>M T C C</b> MALDIVES TRANSPORT &amp; CONTRACTING COMPANY PLC</p> <p><small>SURVEY DESIGN AND DEVELOPMENT SECTION CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT, MTCO TOWER, BOOU THAKURUF AANU MAGU, MALE 20181, REPUBLIC OF MALDIVES, PHONE: +960 332 6822 FAX: +960 333 2835 E-MAIL: design.developments@mtcc.com.mv</small></p>	<p>PROJECT TITLE <b>HA. HOARAFUSHI HOSPITAL ACCOMMODATION L BUILDING</b></p>	<p>CLIENT &amp; ADDRESS <b>MINISTRY OF HEALTH</b></p>	<p>DESIGN ARCHITECT: SURVEYING, DESIGN AND DEVELOPMENT SECTION</p>		<p>REV</p> <p>DESCRIPTION</p> <p>DATE</p> <p>APPR</p>	<p>SHEET IDENTIFICATION NUMBER <b>L1.02</b></p> <p>SHEET TITLE <b>04</b></p>
	<p>DRAWING TITLE <b>AS GIVEN</b></p>	<p>PROJECT LOCATION <b>HA. HOARAFUSHI</b></p>	<p>ENGINEER: IBRAHIM THOAM</p>	<p>STRUCTURAL CHECKER: ABDULLA RAMEEZ</p>		
			<p>ARCHITECT: AMINATH ZOONA</p>	<p>ARCHITECTURAL CHECKER: IRFAN WAHEED</p>		
			<p>DRAWN BY: RASSAM</p>	<p>CHECKED BY: AMINATH SAMAHA</p>	<p>DATE 19-08-2020</p>	

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**Legend**

- 16Ø Cold Water Supply To Basin Faucet
- 16Ø Cold Water Supply To Wall Tap
- 16Ø Cold Water Supply To Sink Tap
- 16Ø Cold Water Supply To Bidet Shower
- 16Ø Cold Water Supply To Cistern
- 16Ø Cold Water Supply & 12Ø Hot Water SUPPLY TO SHOWER MIXER
- Instant Water Heater Above False Ceiling
- Gate Valve
- Rise In Wall
- Drop In Wall
- MWSC Meter
- 25Ø Cold Water Supply Pipes Running Underground
- 20Ø Cold Water Supply Pipes Running In Wall
- 20Ø Cold Water Supply Pipes Running Above False Ceiling
- 20Ø Cold Water Supply Pipes Running Underground
- 12Ø Hot Water Supply Pipes

PIPE FROM MAINS SUPPLY



**FRESH WATER PLAN | GROUND FLOOR**



PROJECT TITLE	HA. HOARAFUSHI HOSPITAL ACCOMMODATION L 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
DRAWN BY: RASSAM	CHECKED BY: AMINATH SAMAHA
PAPER A3	SCALE AS GVN
DATE 19-08-2020	

REV	DESCRIPTION	DATE	APPR

SHEET IDENTIFICATION NUMBER	P1.01
SHEET TITLE	05

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Legend

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- 20Ø Cold Water Supply Pipes Running Above False Ceiling
- 20Ø Cold Water Supply Pipes Running Underground
- 12Ø Hot Water Supply Pipes



FRESH WATER PLAN | FIRST FLOOR



PROJECT TITLE	HA. HOARAFUSHI HOSPITAL ACCOMMODATION L BUILDING
DRAWING TITLE	AS GIVEN

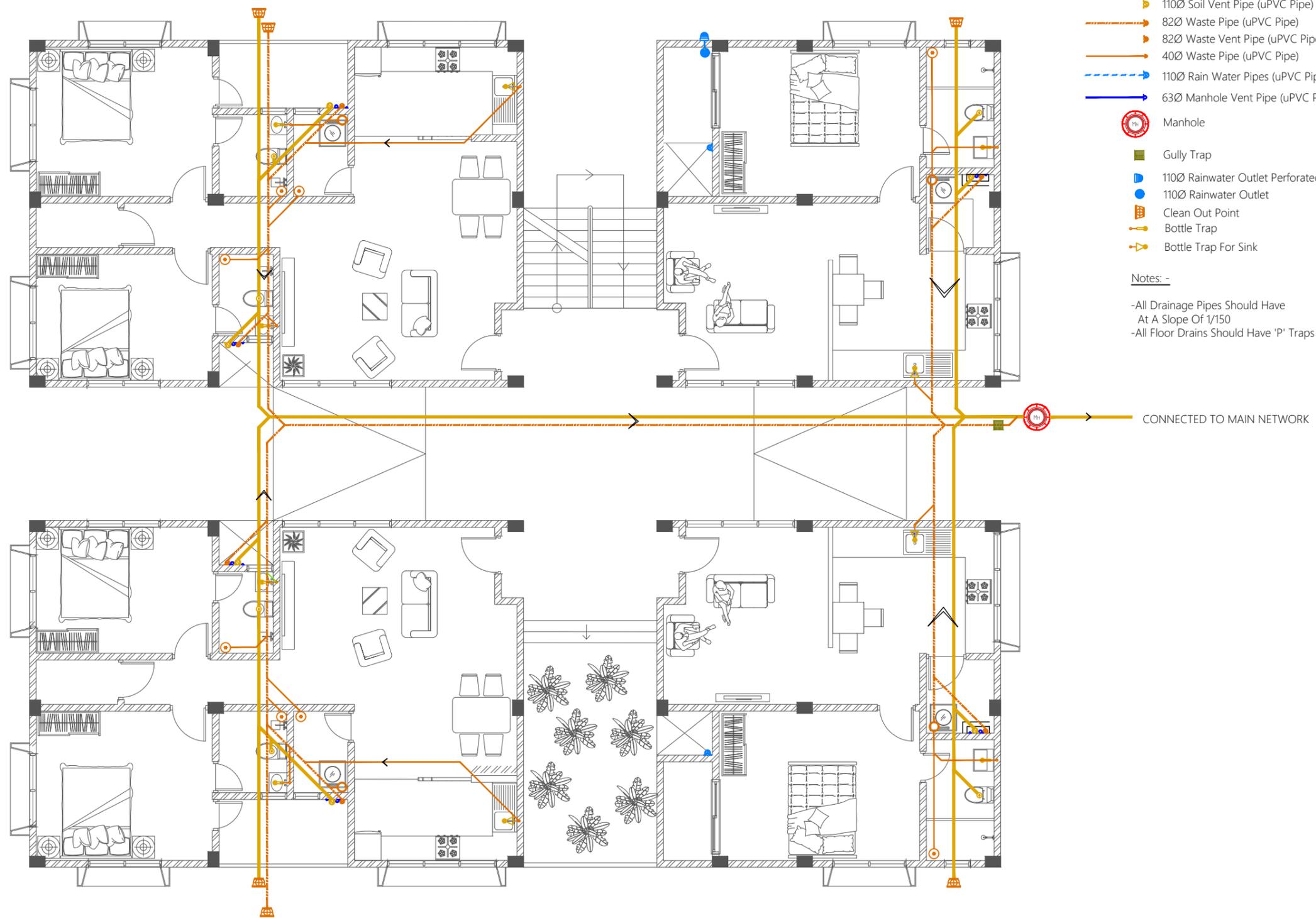
CLIENT & ADDRESS	MINISTRY OF HEALTH
PROJECT LOCATION	HA. HOARAFUSHI

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

REV	DESCRIPTION	DATE	APPR

SHEET IDENTIFICATION NUMBER	P1.02
SHEET TITLE	06

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**Legend**

-  Floor Drain
-  400 Stub For Washing Machine Or Tub
-  Floor Gully
-  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 Rain Water Pipes (uPVC Pipe)
-  630 Manhole Vent Pipe (uPVC Pipe)
-  Manhole
-  Gully Trap
-  1100 Rainwater Outlet Perforated Cowl
-  1100 Rainwater Outlet
-  Clean Out Point
-  Bottle Trap
-  Bottle Trap For Sink

**Notes: -**

- All Drainage Pipes Should Have At A Slope Of 1/150
- All Floor Drains Should Have 'P' Traps



**WASTE WATER PLAN | GROUND FLOOR**



PROJECT TITLE <b>HA. HOARAFUSHI HOSPITAL ACCOMMODATION L BUILDING</b>
DRAWING TITLE <b>AS GIVEN</b>

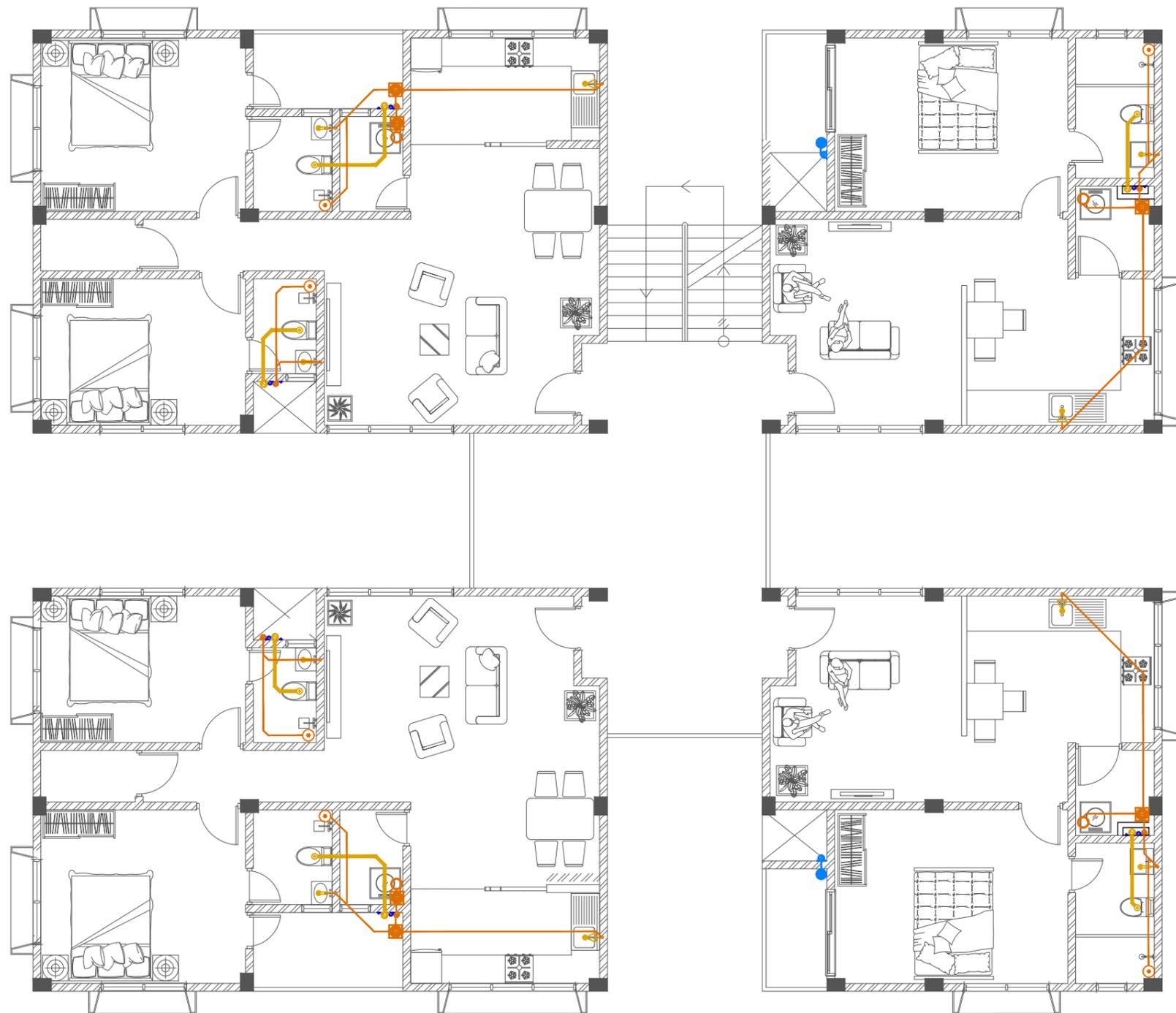
CLIENT & ADDRESS <b>MINISTRY OF HEALTH</b>
PROJECT LOCATION <b>HA. HOARAFUSHI</b>

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 <b>P1.03</b>
SHEET TITLE <b>07</b>

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**Legend**

-  Floor Drain
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-  1100 Soil Vent Pipe (uPVC Pipe)
-  820 Waste Pipe (uPVC Pipe)
-  820 Waste Vent Pipe (uPVC Pipe)
-  400 Waste Pipe (uPVC Pipe)
-  1100 Rain Water Pipes (uPVC Pipe)
-  630 Manhole Vent Pipe (uPVC Pipe)
-  Manhole
-  Gully Trap
-  1100 Rainwater Outlet Perforated Cowl
-  1100 Rainwater Outlet
-  Clean Out Point
-  Bottle Trap
-  Bottle Trap For Sink

**Notes: -**

- All Drainage Pipes Should Have At A Slope Of 1/150
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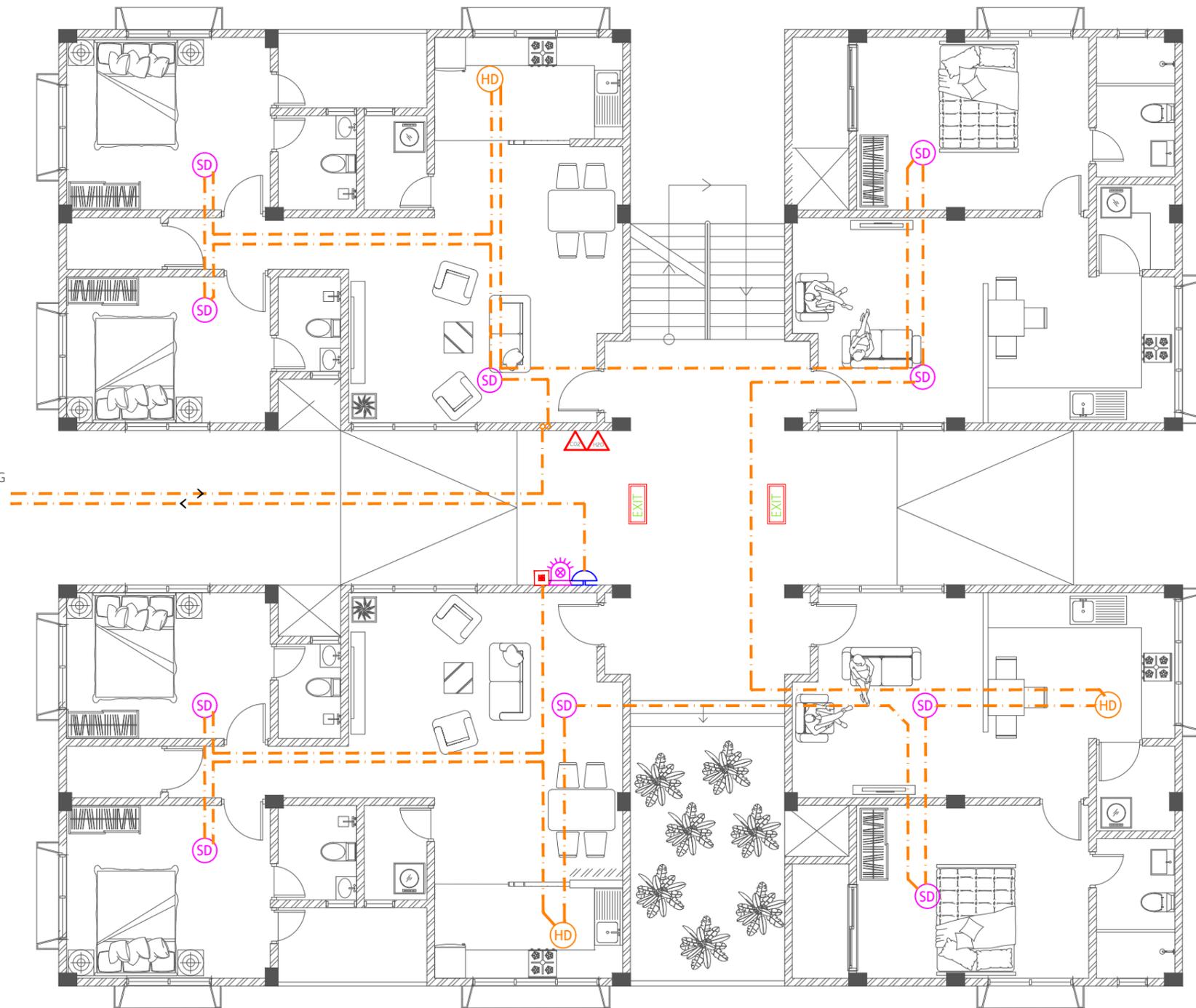
**WASTE WATER PLAN | FIRST FLOOR**

 <b>M T C C</b> MALDIVES TRANSPORT & CONTRACTING COMPANY PLC <small>SURVEY DESIGN AND DEVELOPMENT SECTION          CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT,          MTCO TOWER, BOJU THAKURUF AANU MAGU, MALE 20181,          REPUBLIC OF MALDIVES,          PHONE: +960 332 6822 FAX: +960 333 2835          E-MAIL: design.developments@mtcc.com.mv</small>	PROJECT TITLE <b>HA. HOARAFUSHI HOSPITAL ACCOMMODATION L BUILDING</b>	CLIENT & ADDRESS <b>MINISTRY OF HEALTH</b>	DESIGN ARCHITECT: SURVEYING, DESIGN AND DEVELOPMENT SECTION		REV DESCRIPTION DATE APPR	SHEET IDENTIFICATION NUMBER <b>P1.04</b> SHEET TITLE 08
	DRAWING TITLE <b>AS GIVEN</b>	PROJECT LOCATION <b>HA. HOARAFUSHI</b>	ENGINEER: IBRAHIM THOAM	STRUCTURAL CHECKER: ABDULLA RAMEEZ		
			ARCHITECT: AMINATH ZOONA	ARCHITECTURAL CHECKER: IRFAN WAHEED	DATE 19-08-2020	
			DRAWN BY: RASSAM	CHECKED BY: AMINATH SAMAHA		

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Legend

-  CO<sub>2</sub> 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
-  Exit Sign



CONNECTION TO FACP AT SERVICE BUILDING

# FIRE SAFETY PLAN | GROUND FLOOR

SCALE 1:100

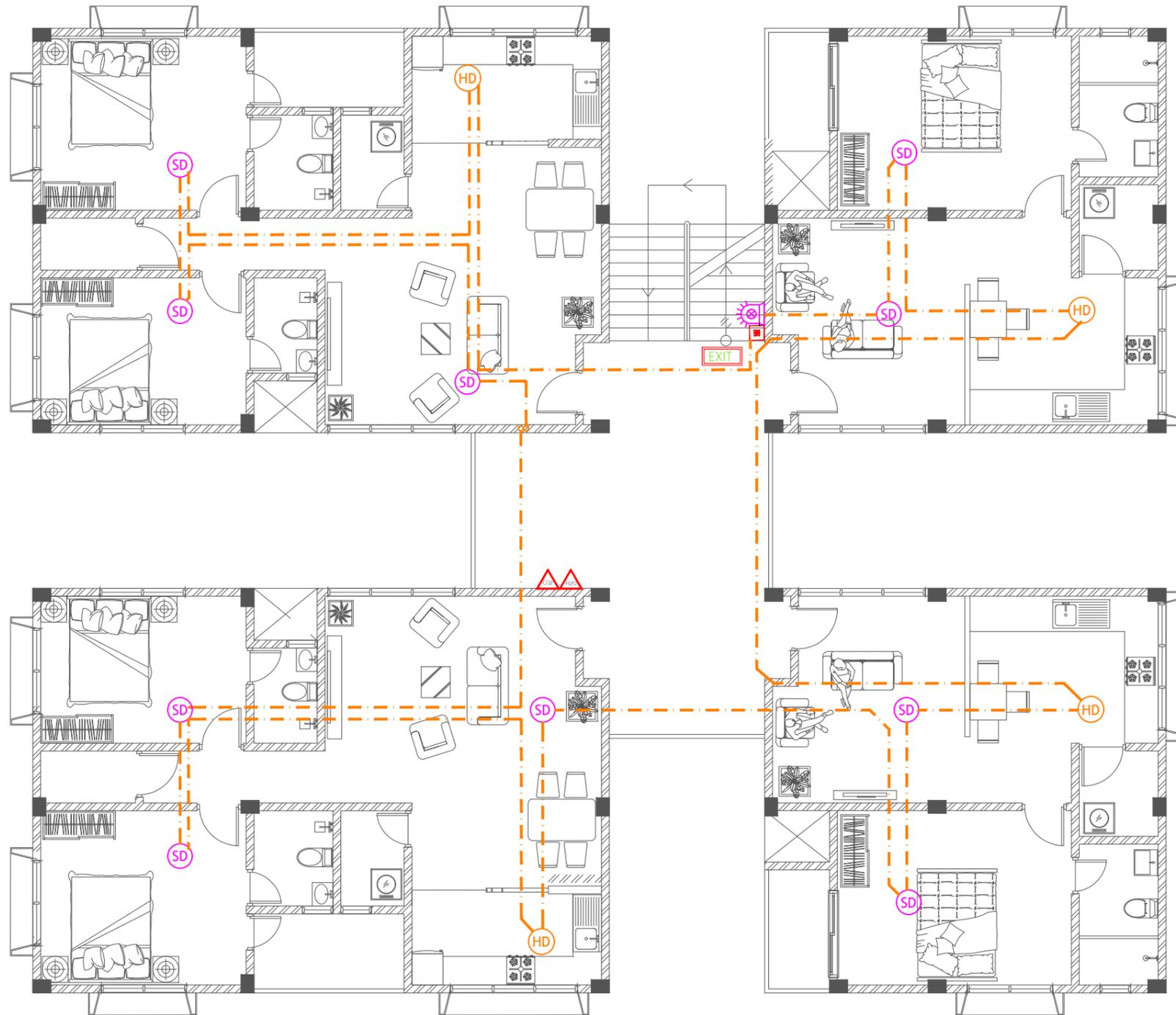


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	DRAWING TITLE <b>AS GIVEN</b>	PROJECT LOCATION <b>HA. HOARAFUSHI</b>	ENGINEER: IBRAHIM THOAM	STRUCTURAL CHECKER: ABDULLA RAMEEZ		
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Legend

-  CO<sub>2</sub> 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
-  Exit Sign



**FIRE SAFETY PLAN | FIRST FLOOR**



PROJECT TITLE HA. HOARAFUSHI HOSPITAL ACCOMMODATION L 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
DRAWN BY: RASSAM	CHECKED BY: AMINATH SAMAHA
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