

# HA. HOARAFUSHI HOSPITAL ACCOMMODATION BUILDING SERVICES DRAWINGS

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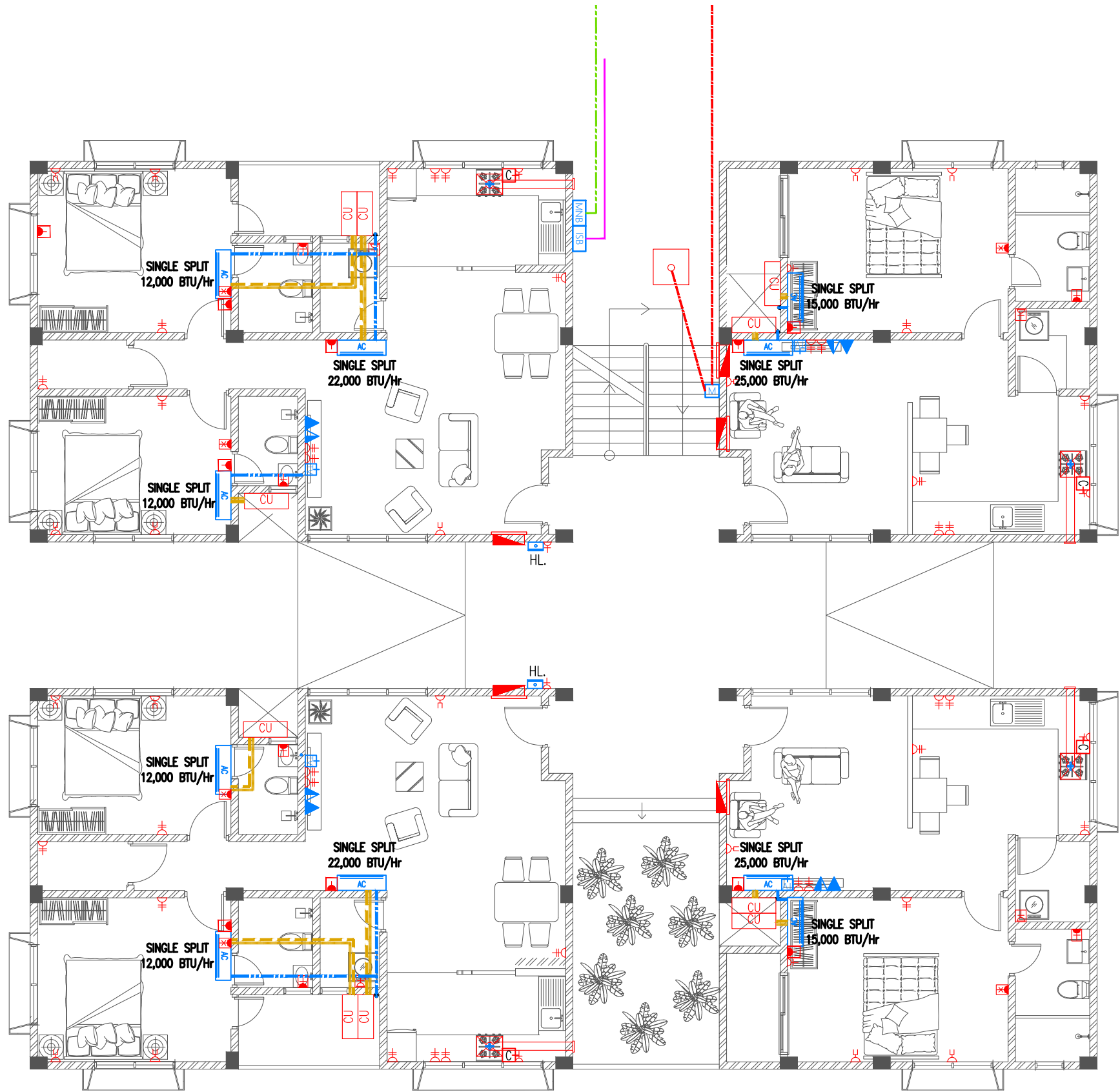
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CLIENT: MINISTRY OF HEALTH

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
  - 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
  - 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

<div> <b>MTCC</b> MALDIVES TRANSPORT &amp; CONTRACTING COMPANY PLC</div> <div>SURVEY DESIGN AND DEVELOPMENT SECTION CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT MTCC TOWER, BODU THAKURUFARANU MAGU, MALE 20181, REPUBLIC OF MALDIVES, PHONE: +960 332 6522 FAX: +960 333 2835 E-MAIL: design_development@mtcc.com.mv</div>	PROJECT TITLE HA. HOARAFUSHI HOSPITAL ACCOMMODATION L BUILDING	CLIENT & ADDRESS MINISTRY OF HEALTH	DESIGN ARCHITECT: SURVEYING, DESIGN AND DEVELOPMENT SECTION				REV	DESCRIPTION	DATE	APPR	SHEET IDENTIFICATION NUMBER  E1.01  SHEET TITLE 01
	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

- 13A Twin Socket
- 13A Twin Socket With USB Ports At 300mm From F.F.L.
- 15A Switched Socket @ H.L.
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- Medianet Booster
- Telephone Outlet
- Computer Network Outlet
- TV Socket Outlet
- Emergency Light
- Electricity Meter

Legend

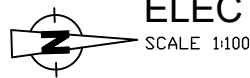
- Refrigerant Pipes
- 25Ø Condensate Drain Pipe
- 40Ø Condensate Drain Riser Pipe
- Wall Mount Air Conditioner
- Outdoor Condensing Unit
- Kitchen Hood

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: -

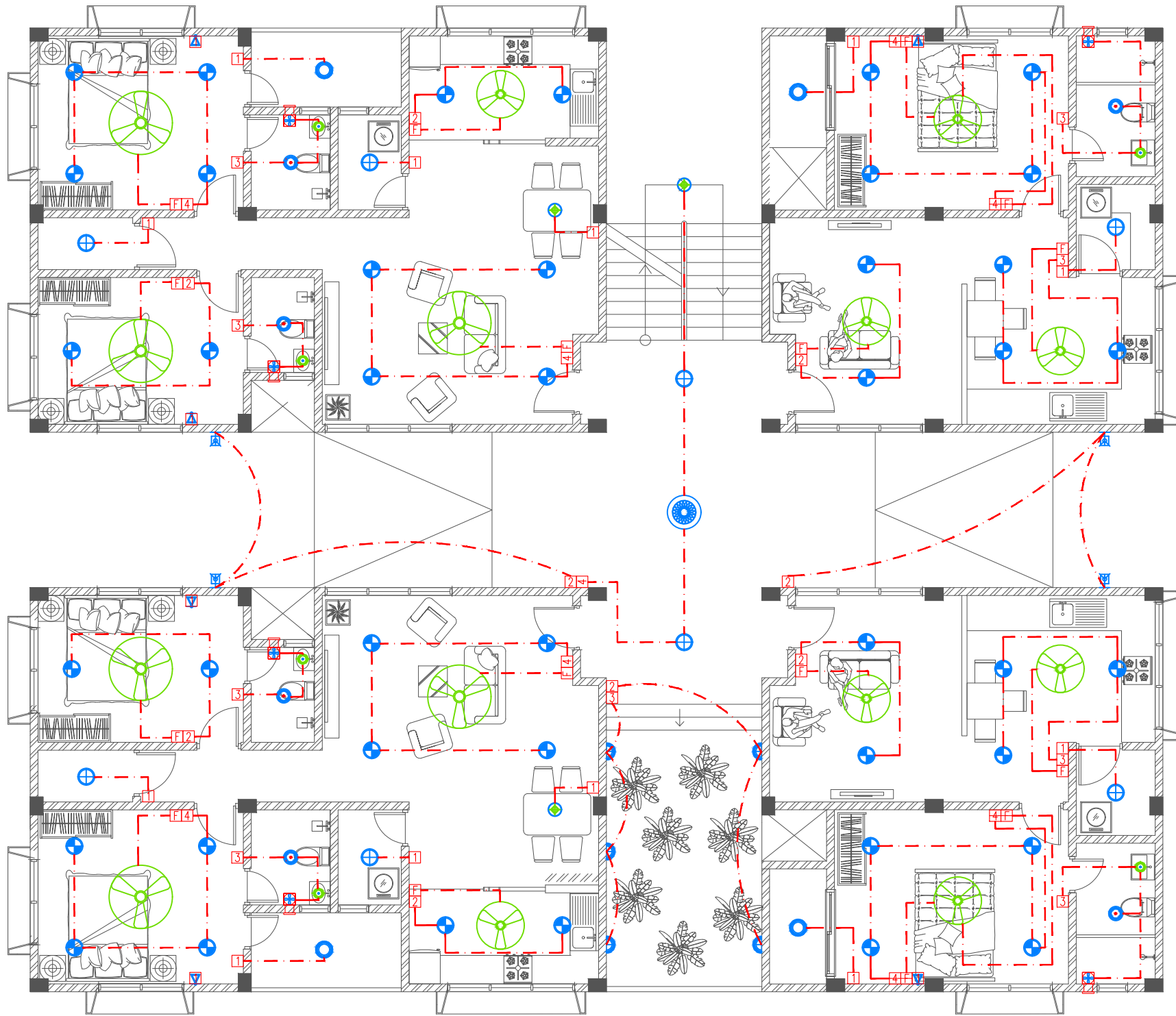
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- All 13A Power Sockets in Weatherproof Polycarbonate Enclosure At 450mm From F.F.L.
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- All Computer, TV And Telephone Points At 300mm From F.F.L.
- All 20A Switched Neon Indicator At 1200mm From F.F.L.



ELECTRICAL PLAN | FIRST FLOOR

SCALE 1:100

<div><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, MTC TOWER, BODU THAKURUFARANU MAGU, MALE 20181, REPUBLIC OF MALDIVES, PHONE: + (960) 332 6822 FAX: + (960) 333 2835 E-MAIL: design.development@mtrcc.com.mv</small></p></div>	PROJECT TITLE HA. HOARAFUSHI HOSPITAL ACCOMMODATION L BUILDING		CLIENT & ADDRESS MINISTRY OF HEALTH		DESIGN ARCHITECT: SURVEYING, DESIGN AND DEVELOPMENT SECTION				REV		DESCRIPTION		DATE	APPR	SHEET IDENTIFICATION NUMBER													
	DRAWING TITLE AS GIVEN		PROJECT LOCATION HA. HOARAFUSHI		ENGINEER: IBRAHIM THOAM		STRUCTURAL CHECKER: ABDULLA RAMEEZ		<table><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>																		E1.02	
		ARCHITECT: AMINATH ZOONA		ARCHITECTURAL CHECKER: IRFAN WAHEED		PAPER A3	SCALE AS GVN																					
		DRAWN BY: RASSAM		CHECKED BY: AMINATH SAMAHA		DATE 19-08-2020								SHEET TITLE 02														



- 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 | GROUND FLOOR

SCALE 1:100

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

ARCHITECT:  
AMINATH ZOONA

DRAWN BY:  
RASSAM

STRUCTURAL CHECKER:  
ABDULLA RAMEEZ

ARCHITECTURAL CHECKER:  
IRFAN WAHEED

CHECKED BY:  
AMINATH SAMAHA

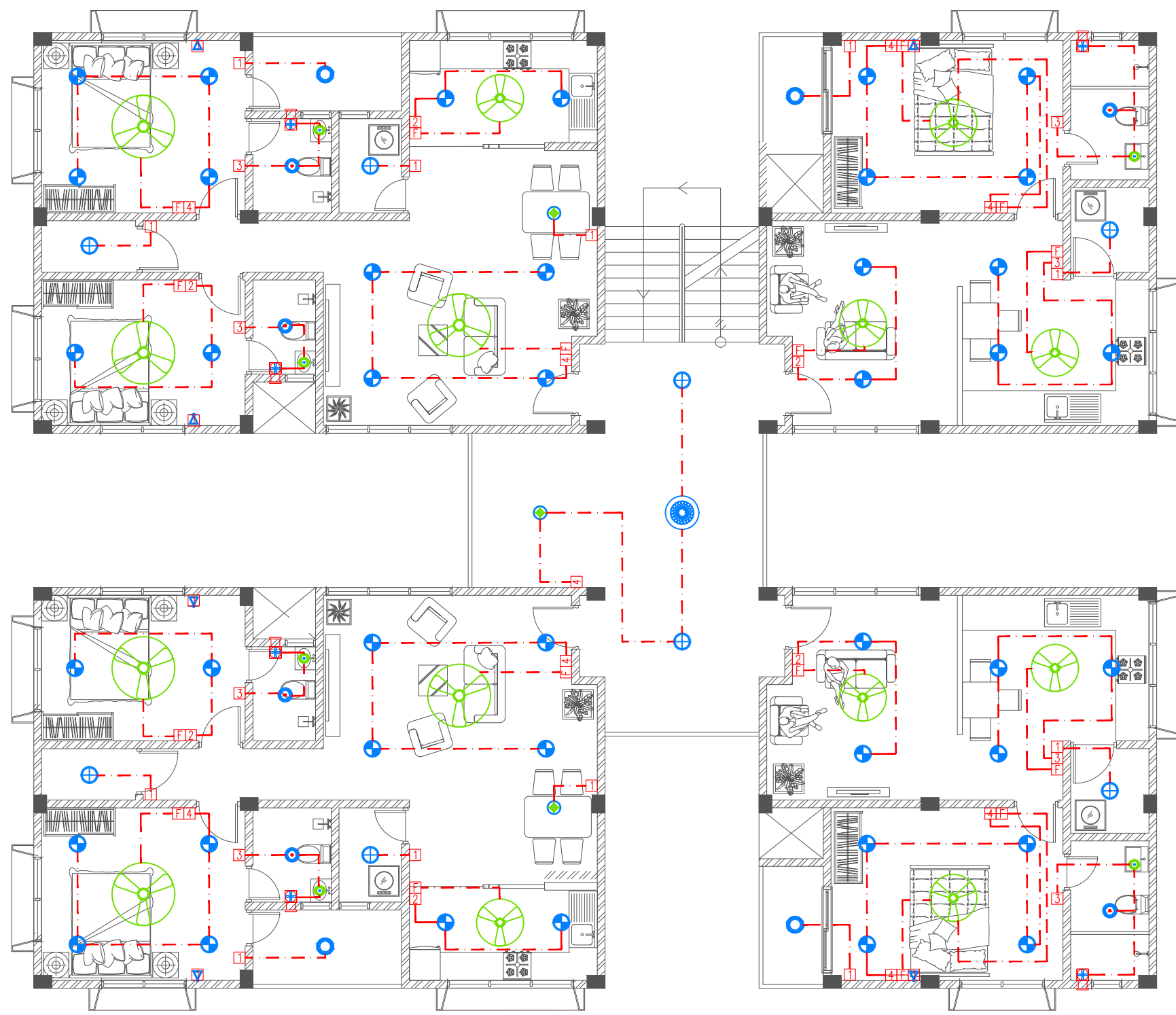
PAPER  
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DATE  
19-08-2020

REV	DESCRIPTION	DATE	APPR

SHEET IDENTIFICATION  
NUMBER


L1.01

SHEET TITLE  
03

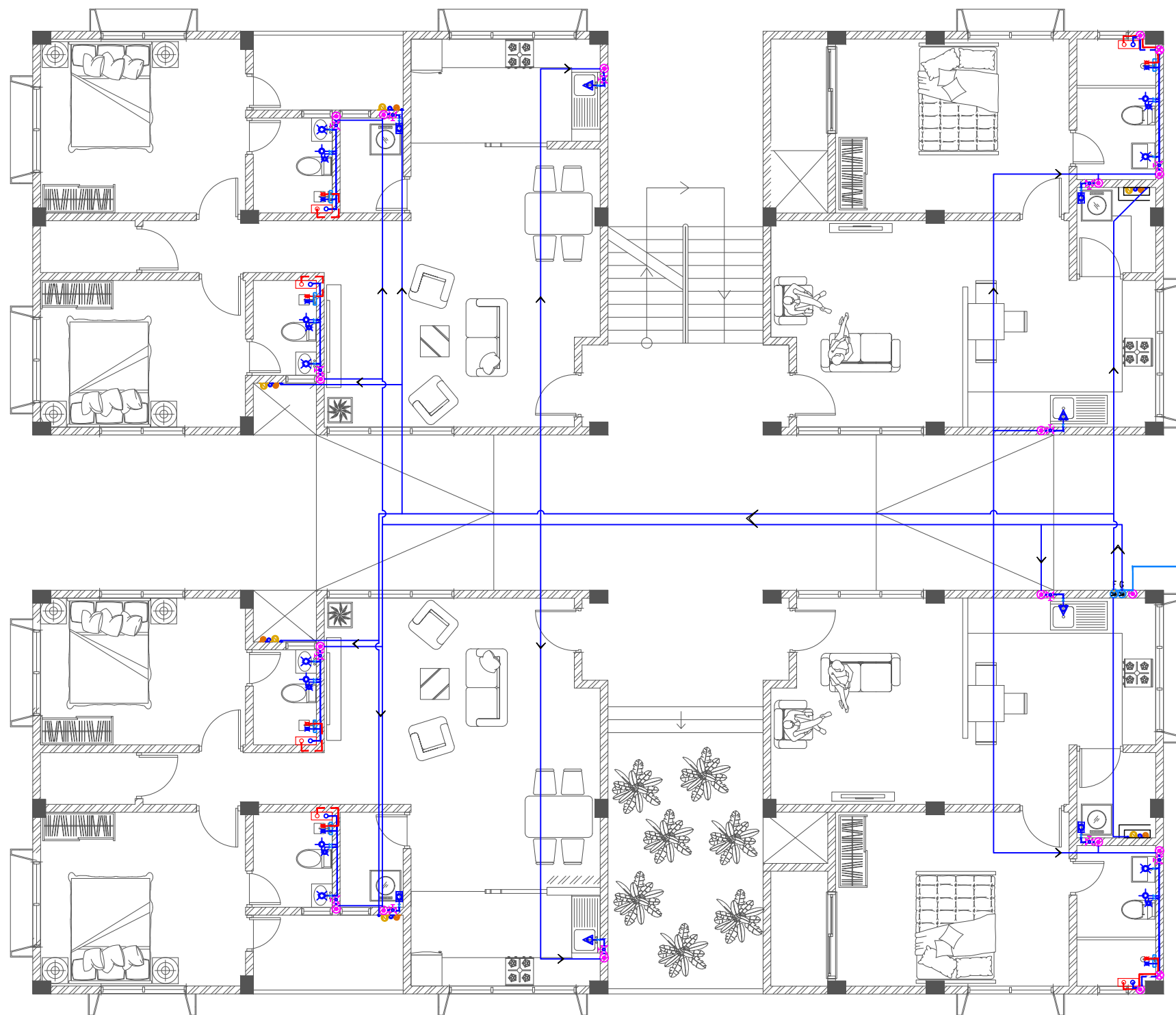


- Legend
- Ceiling Light (18W)
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  - 42" To 48" Ceiling Fan
  - Ceiling Mounted Exhaust Fan 90m3/hr

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

 <b>MTCC</b> MALDIVES TRANSPORT & CONTRACTING COMPANY PLC SURVEY DESIGN AND DEVELOPMENT SECTION CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT MTCC TOWER, BODU THAKURUFARANU MAGU, MALE 20181, REPUBLIC OF MALDIVES, PHONE: +960 332 6822 FAX: +960 333 2835 E-MAIL: design.development@mtcc.com.mv	PROJECT TITLE HA. HOARAFUSHI HOSPITAL ACCOMMODATION L BUILDING	CLIENT & ADDRESS MINISTRY OF HEALTH	DESIGN ARCHITECT: SURVEYING, DESIGN AND DEVELOPMENT SECTION		REV	DESCRIPTION	DATE	APPR	SHEET IDENTIFICATION NUMBER  <b>L1.02</b>  SHEET TITLE 04
	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

- 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

SCALE 1:100

REV	DESCRIPTION	DATE	APPR



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
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- 25Ø Cold Water Supply Pipes Running Underground
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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

SCALE 1:100



**MTCC**  
MALDIVES TRANSPORT &  
CONTRACTING COMPANY PLC

SURVEY DESIGN AND DEVELOPMENT SECTION  
CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT,  
MTCC TOWER, BODU THAKURUFARANU MAGU, MALE 20181,  
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PHONE: + (960) 332 6822 FAX: + (960) 333 2835  
E-MAIL: design.developments@mtcc.com.mv

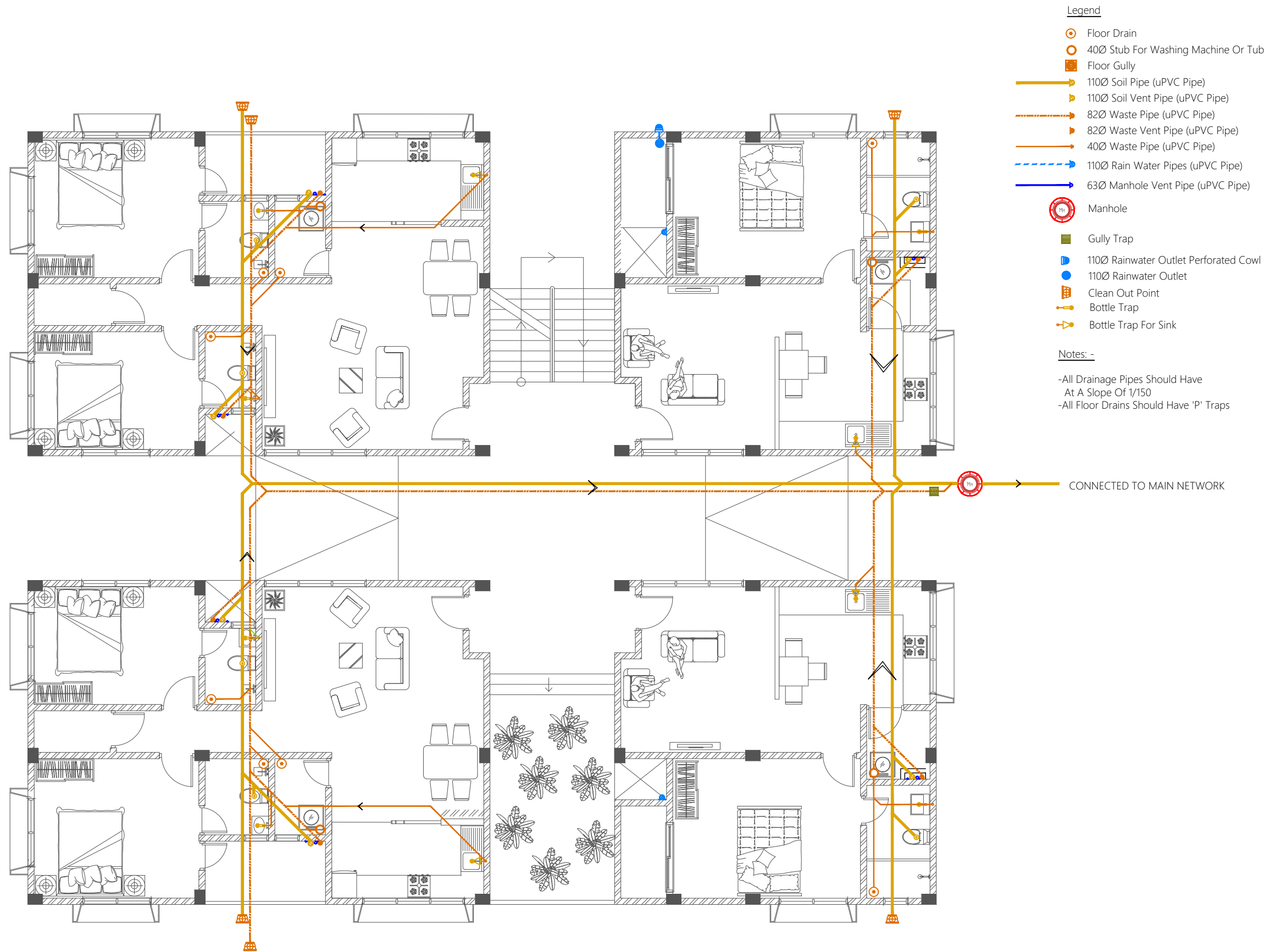
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DRAWING TITLE	AS GIVEN

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
DRAWN BY: RASSAM		CHECKED BY: AMINATH SAMAHA	SCALE AS GVN
			DATE 19-08-2020

REV	DESCRIPTION	DATE	APPR

SHEET IDENTIFICATION NUMBER
P1.02
SHEET TITLE 06



## WASTE WATER PLAN | GROUND FLOOR

SCALE 1:100

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

ARCHITECT:  
AMINATH ZOONA

DRAWN BY:  
RASSAM

STRUCTURAL CHECKER:  
ABDULLA RAMEEZ

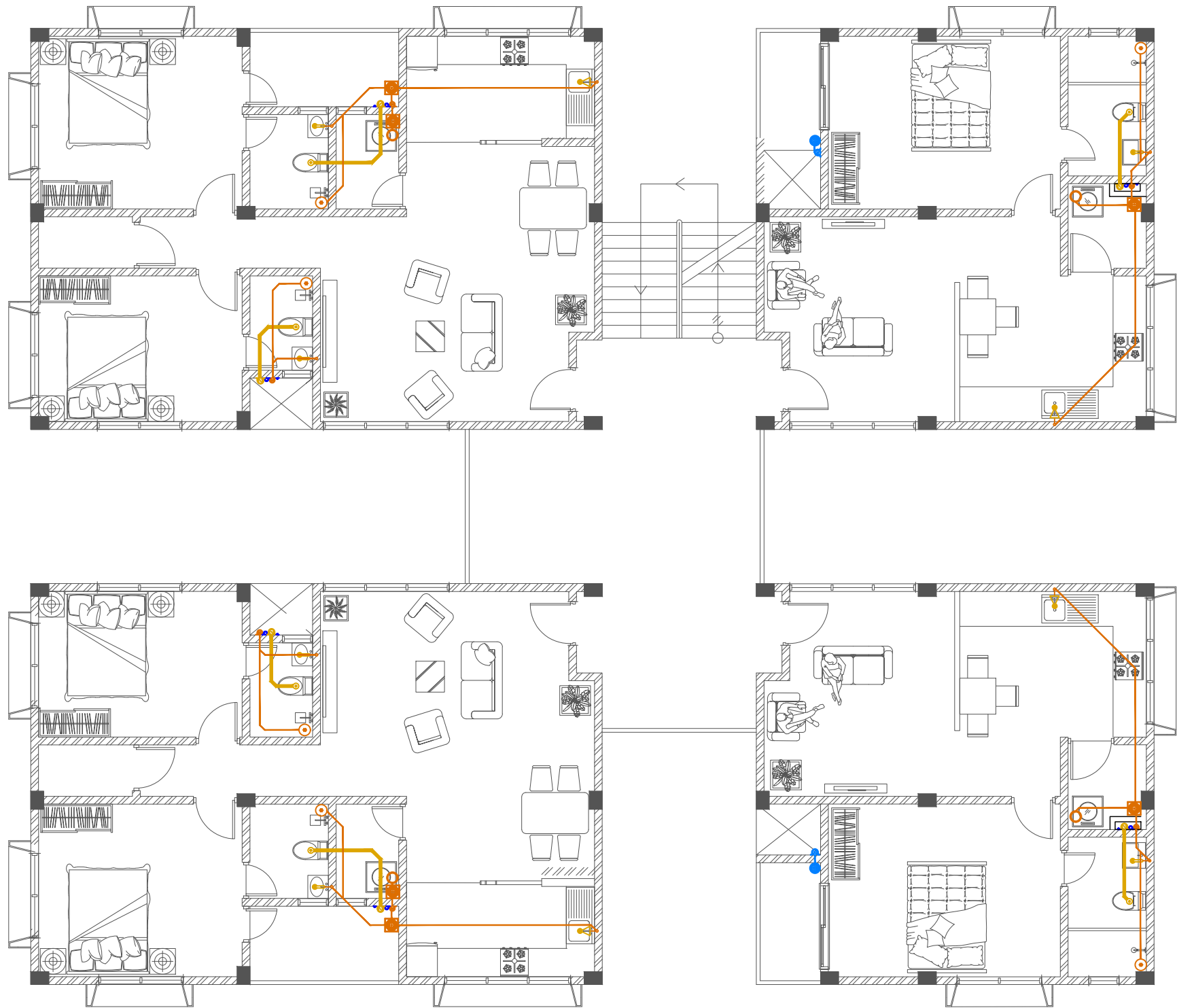
ARCHITECTURAL CHECKER:  
IRFAN WAHEED

CHECKED BY:  
AMINATH SAMAHA

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A3  
SCALE  
AS GVN  
DATE  
19-08-2020

REV	DESCRIPTION	DATE	APPR





- Legend**
- Floor Drain
  - 40Ø Stub For Washing Machine Or Tub
  - Floor Gully
  - 110Ø Soil Pipe (uPVC Pipe)
  - 110Ø Soil Vent Pipe (uPVC Pipe)
  - 82Ø Waste Pipe (uPVC Pipe)
  - 82Ø Waste Vent Pipe (uPVC Pipe)
  - 40Ø Waste Pipe (uPVC Pipe)
  - 110Ø Rain Water Pipes (uPVC Pipe)
  - 63Ø Manhole Vent Pipe (uPVC Pipe)
  - Manhole
  - Gully Trap
  - 110Ø Rainwater Outlet Perforated Cowl
  - 110Ø 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

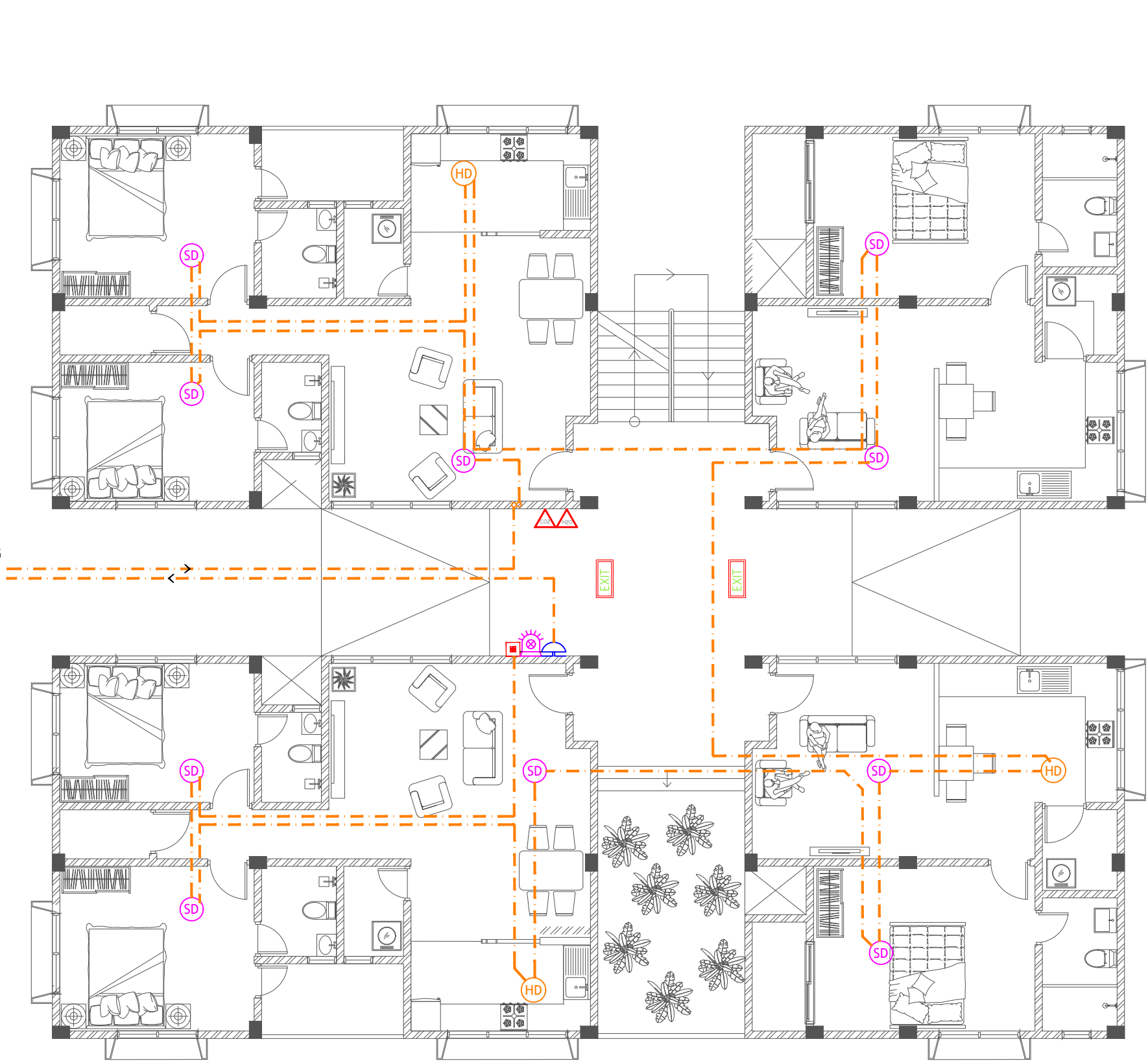


WASTE WATER PLAN | FIRST FLOOR

SCALE 1:100

 <b>MTCC</b> MALDIVES TRANSPORT & CONTRACTING COMPANY PLC <small>SURVEY DESIGN AND DEVELOPMENT SECTION CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT MTCC TOWER, BODU THAKURUFARANU MAGU, MALE 20181, REPUBLIC OF MALDIVES, PHONE: +960 332 6822 FAX: +960 333 2835 E-MAIL: design.development@mtcc.com.mv</small>	PROJECT TITLE HA. HOARAFUSHI HOSPITAL ACCOMMODATION L BUILDING	CLIENT & ADDRESS MINISTRY OF HEALTH	DESIGN ARCHITECT: SURVEYING, DESIGN AND DEVELOPMENT SECTION		REV	DESCRIPTION	DATE	APPR	SHEET IDENTIFICATION NUMBER  <b>P1.04</b>  SHEET TITLE 08
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			ARCHITECT: AMINATH ZOONA	ARCHITECTURAL CHECKER: IRFAN WAHEED	PAPER A3	SCALE AS GVN			
			DRAWN BY: RASSAM	CHECKED BY: AMINATH SAMAHA	DATE 19-08-2020				

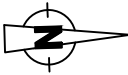
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Legend


- 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

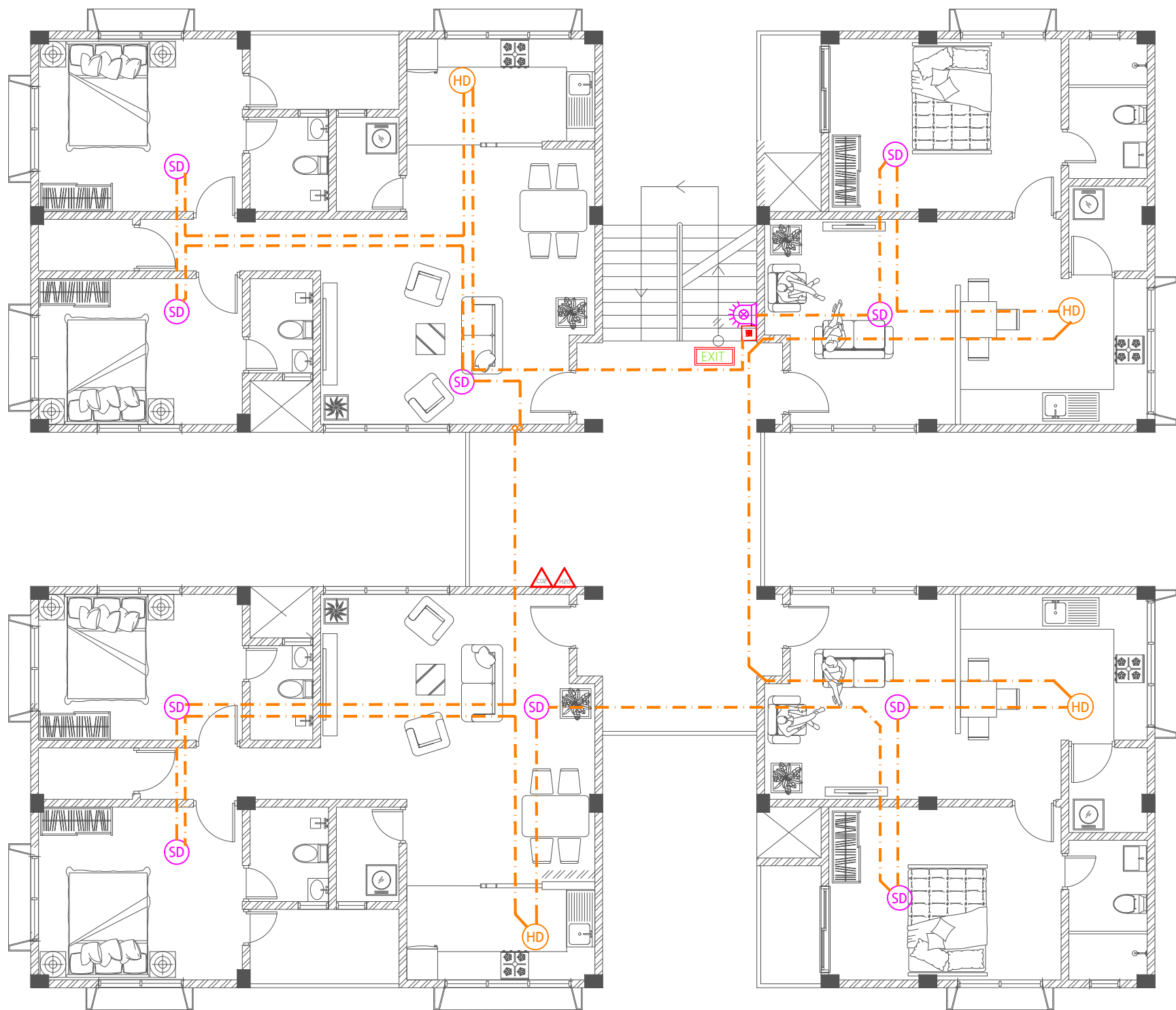
CONNECTION TO FACP AT SERVICE BUILDING



FIRE SAFETY PLAN | GROUND FLOOR

SCALE 1:100

<div> <b>M T C C</b> <b>MALDIVES TRANSPORT &amp; CONTRACTING COMPANY PLC</b> <small>SURVEY DESIGN AND DEVELOPMENT SECTION CONSTRUCTION AND PROJECTS MANAGEMENT DEPARTMENT, MTCC TOWER, BODU THAKURUFARANU MAGU, MALE' 20181, REPUBLIC OF MALDIVES, PHONE: + (960) 332 6822 FAX: + (960) 333 2835 E-MAIL: design.development@mtcc.com.mv</small></div>	PROJECT TITLE HA. HOARAFUSHI HOSPITAL ACCOMMODATION L BUILDING	CLIENT & ADDRESS MINISTRY OF HEALTH	DESIGN ARCHITECT: SURVEYING, DESIGN AND DEVELOPMENT SECTION				REV	DESCRIPTION	DATE	APPR	SHEET IDENTIFICATION NUMBER  F1.01  SHEET TITLE 09
	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

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- 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

SCALE 1:100

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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

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