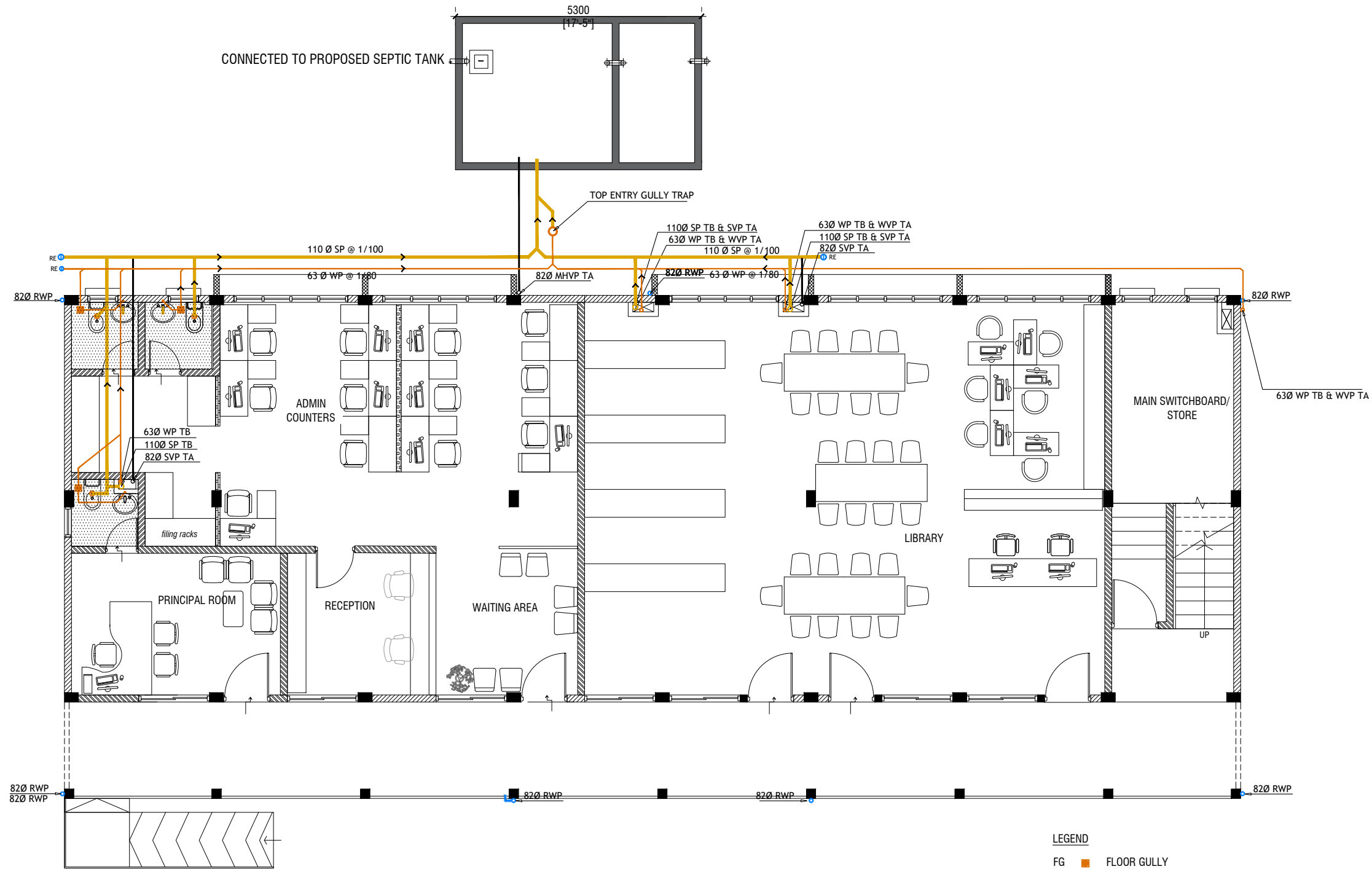


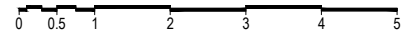
Office room, Staff room, Supervisor room, Library & 3 Classroom at
Th.Hirilandhoo School
(03 Storey)

SERVICES DRAWINGS
Client: Ministry of Education



GROUND FLOOR DRAINAGE LAYOUT

SCALE 1:100



LEGEND

FG ■ FLOOR GULLY

BD (SD) ■ SIDE DISCHARGE BALCONY DRAIN

SP — 110 Ø SOIL PIPE

SVP — 110 Ø SOIL VENT PIPE

WP — 63 Ø WASTE PIPE

WVP — 63 Ø WASTE VENT PIPE

WP — 40 Ø WASTE PIPE

RWP — 82 Ø RAINWATER PIPE FREE DISCHARGE
WITH PERFORATED COWL

RWO • 82 Ø RAIN WATER OUTLET

MHVP — 82 Ø MANHOLE VENT PIPE

RE • RODDING EYE

NOTE:

- ALL RAINWATER PIPES TO BE AT GROUND LEVEL DISCHARGED THROUGH A PERFORATED COWL OR TO A SOAK PIT
- ALL SOIL AND WASTE PIPES TO BE AT GROUND LEVEL, UNDER THE SLAB.

Issue	Date	Description
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AMMENDMENTS.

PHYSICAL FACILITIES DEVELOPMENT SECTION
MINISTRY OF EDUCATION,
MALE',
REPUBLIC OF MALDIVES

PROJECT
**TH HIRILANDHOO SCHOOL
BLOCK (3 STOREY)**

PROJECT REFERENCE

CLIENT : MINISTRY OF EDUCATION

ARCHITECT :

ENGINEER :

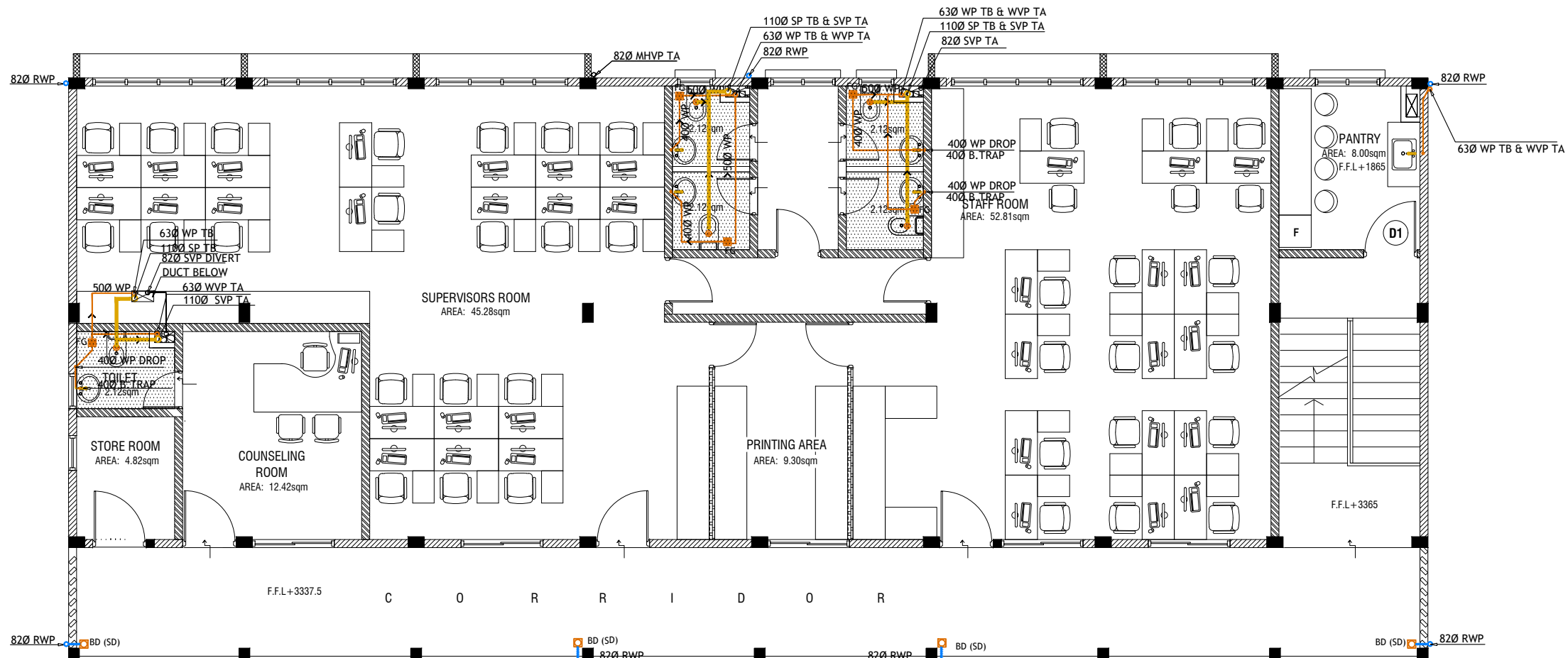
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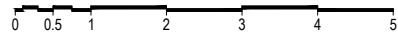
DATE : 01.09.2021

DWG NO : S 01 / 20



FIRST FLOOR DRAINAGE LAYOUT

SCALE 1:100



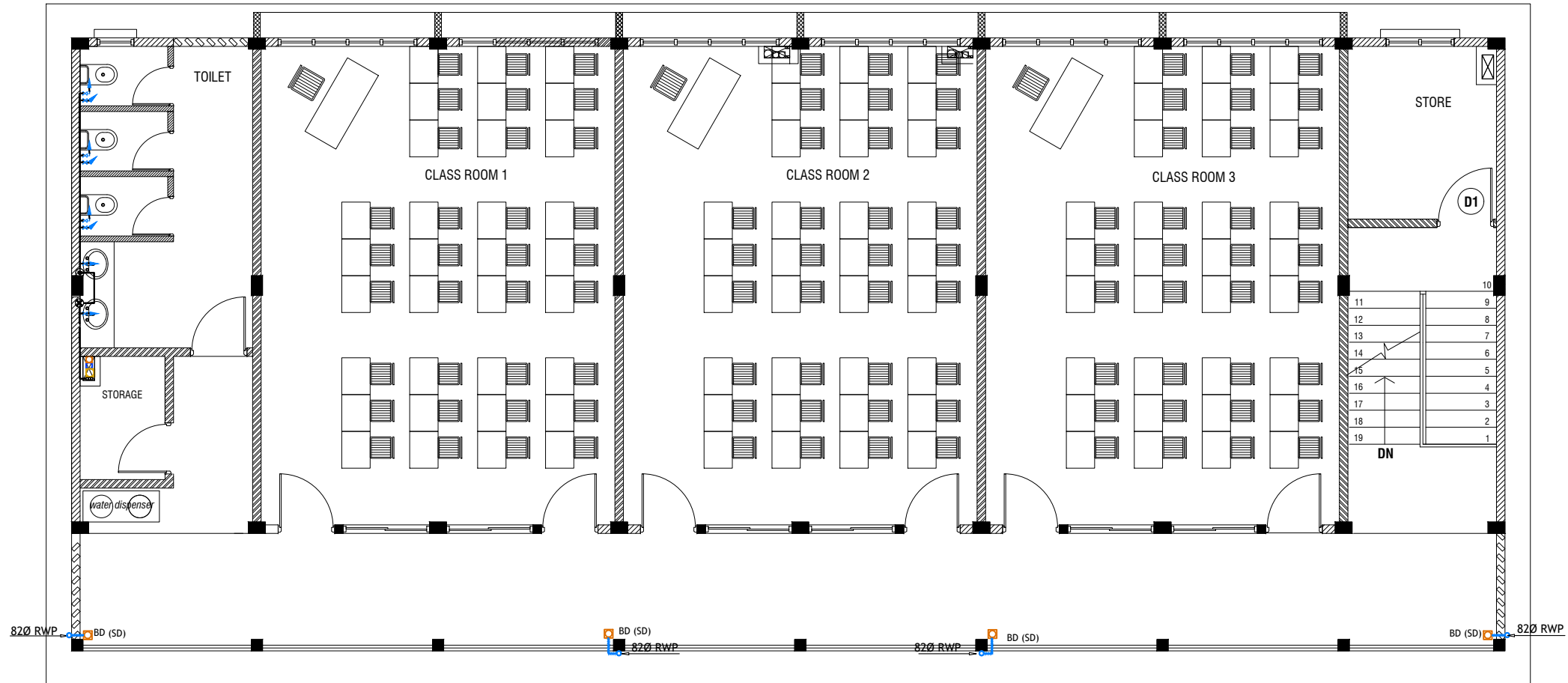
LEGEND

- FG ■ FLOOR GULLY
BD (SD) ■ SIDE DISCHARGE BALCONY DRAIN

- SP — 110 Ø SOIL PIPE
SVP — 110 Ø SOIL VENT PIPE
WP — 63 Ø WASTE PIPE
WVP — 63 Ø WASTE VENT PIPE
WP — 40 Ø WASTE PIPE
RWP — 82 Ø RAINWATER PIPE FREE DISCHARGE WITH PERFORATED COWL
RWO — 82 Ø RAIN WATER OUTLET
MHVP — 82 Ø MANHOLE VENT PIPE
RE — RODDING EYE

NOTE:
- ALL SOIL AND WASTE PIPES TO BE AT GROUND LEVEL, UNDER THE SLAB.

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT :	MINISTRY OF EDUCATION	
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE :	AS GIVEN	
DATE :	01.09.2021	
DWG NO :	S 02 / 20	



SECOND FLOOR DRAINAGE LAYOUT

SCALE 1:100



LEGEND

FG FLOOR GULLY

BD (SD) SIDE DISCHARGE BALCONY DRAIN

SP 110 Ø SOIL PIPE

SVP 110 Ø SOIL VENT PIPE

WP 63 Ø WASTE PIPE

WVP 63 Ø WASTE VENT PIPE

WP 40 Ø WASTE PIPE

RWP 82 Ø RAINWATER PIPE FREE DISCHARGE
WITH PERFORATED COWL

RWO 82 Ø RAIN WATER OUTLET

MHVP 82 Ø MANHOLE VENT PIPE

RE RODDING EYE

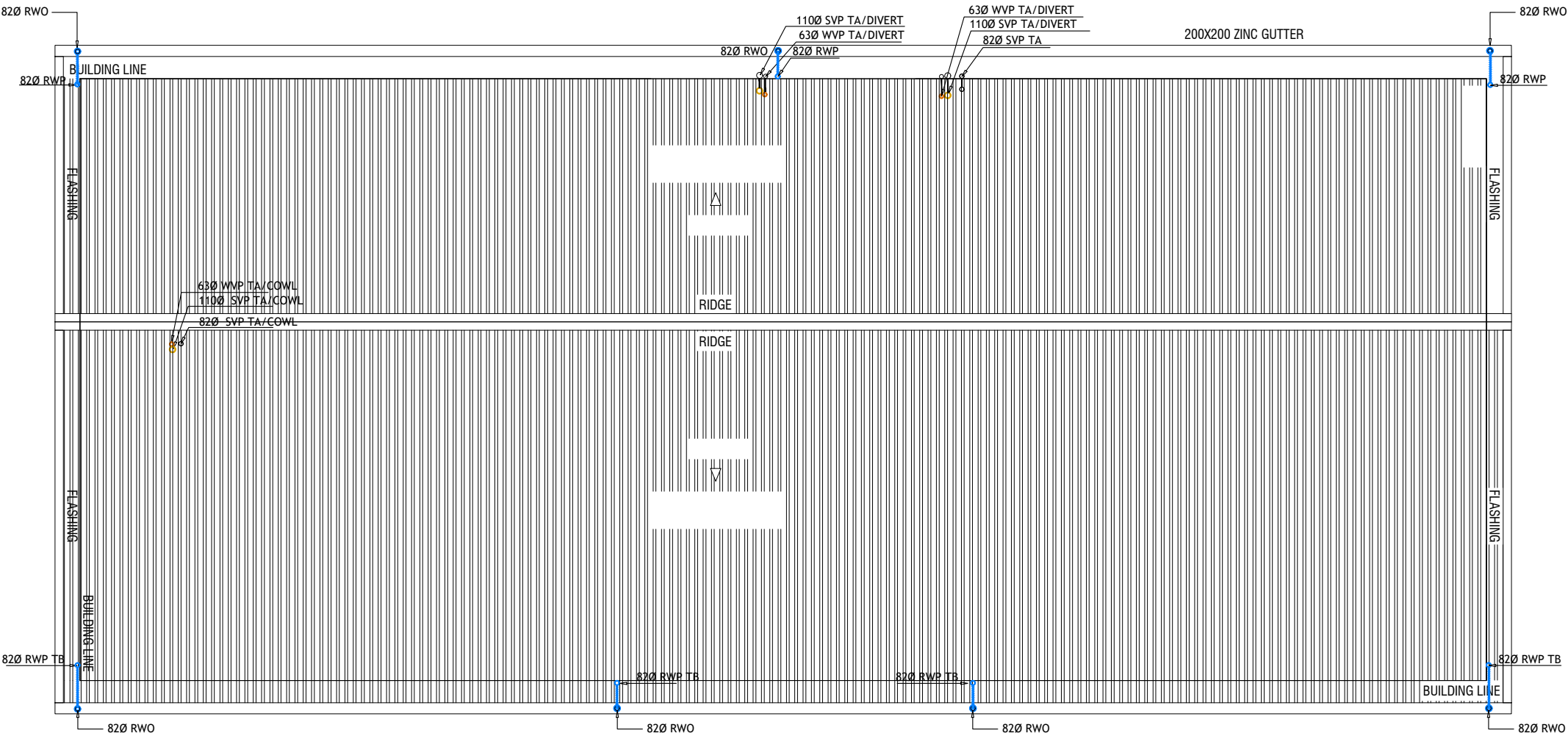
NOTE:

- ALL SOIL AND WASTE PIPES TO BE AT GROUND
LEVEL, UNDER THE SLAB.

Issue	Date	Description
AMMENDMENTS.		

PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES	
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)	

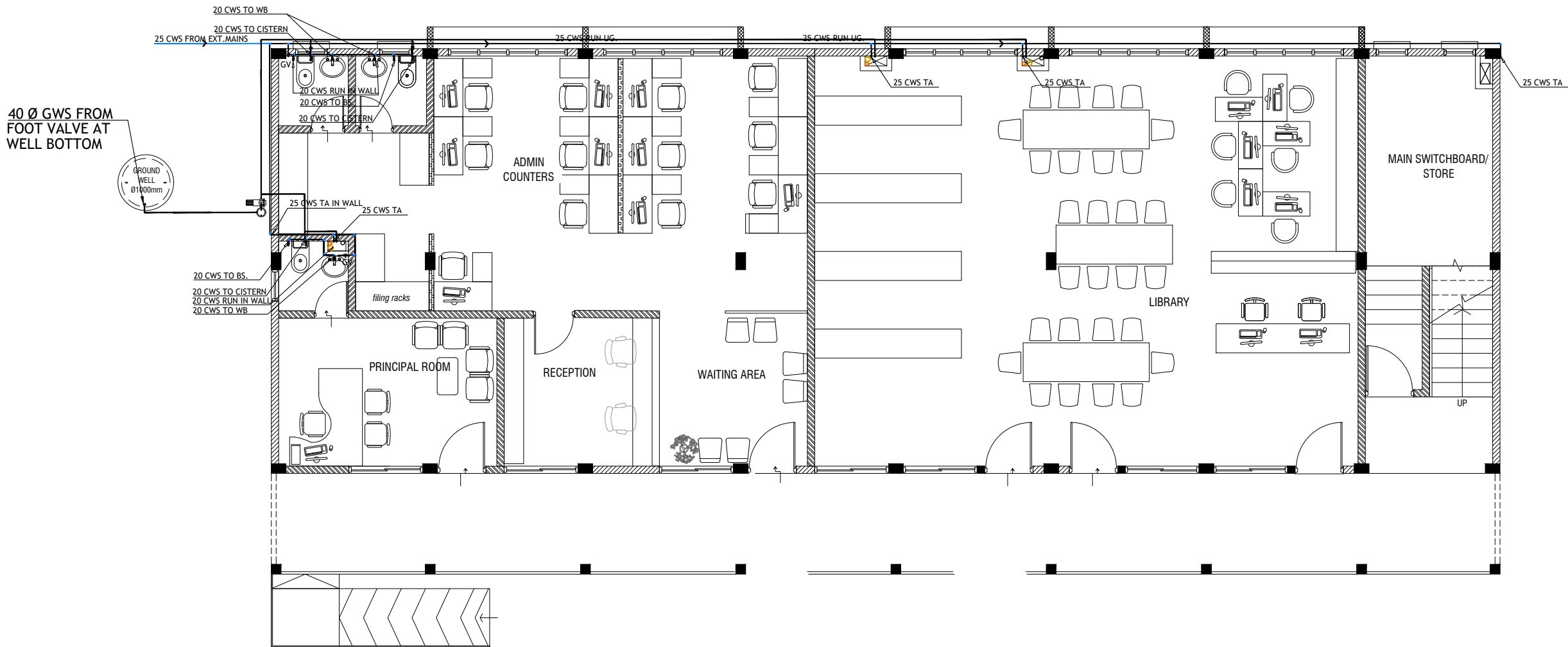
PROJECT REFERENCE	
CLIENT :	MINISTRY OF EDUCATION
ARCHITECT :	
ENGINEER :	
DRAWN :	
CHECKED :	
SCALE :	AS GIVEN
DATE :	01.09.2021
DWG NO :	S 03 / 20



ROOF DRAINAGE LAYOUT
SCALE 1:100

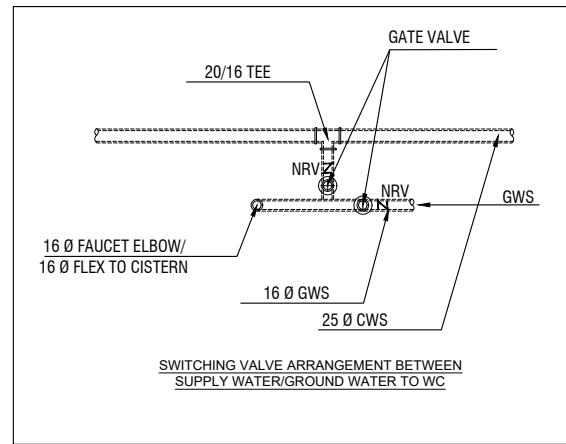


Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT : MINISTRY OF EDUCATION		
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE : AS GIVEN		
DATE : 01.09.2021		
DWG NO : S 04 / 20		



GROUND FLOOR PLUMBING LAYOUT

SCALE 1:100

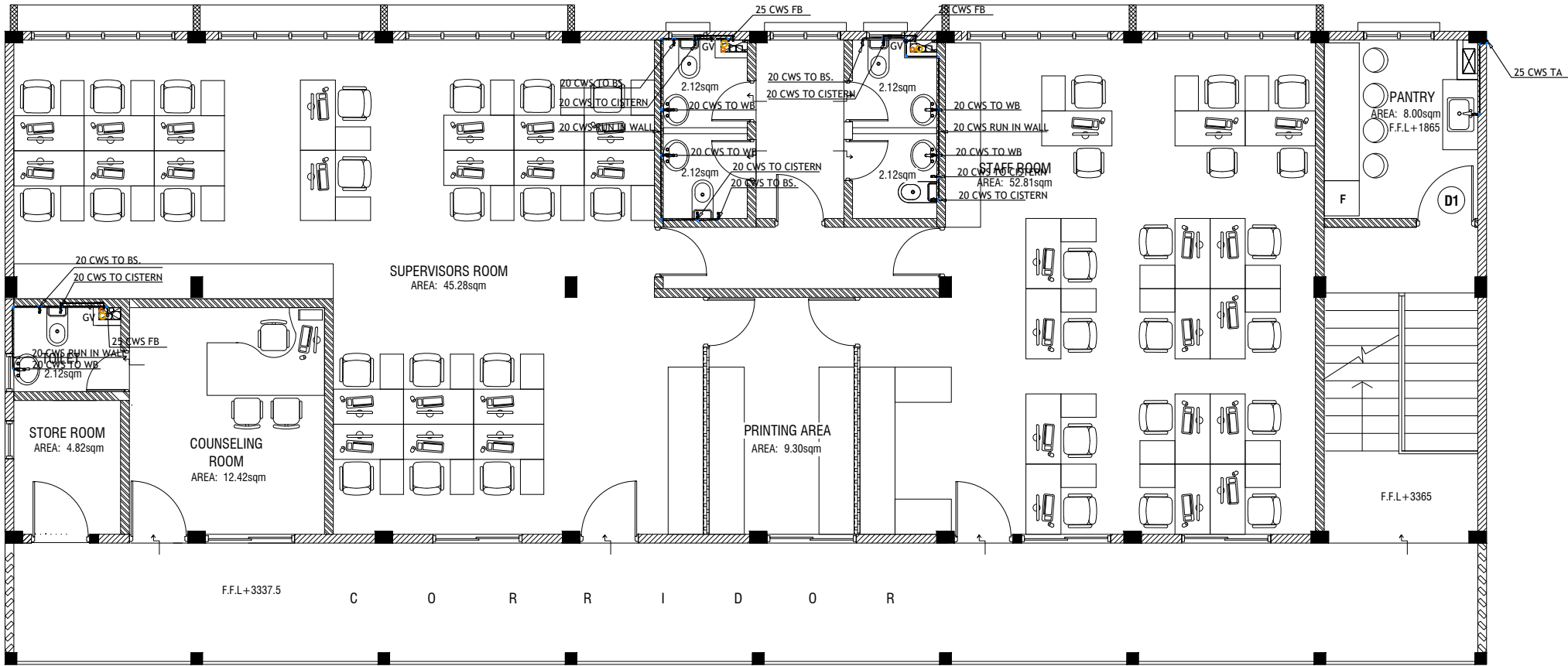


ABBREVIATION :

C.W.S	— — — — —	Cold Water Supply
G.V.		Gate Valve
I.V.		Isolating Valve/Angle valve
T.A.		To Above
T.B.		To Below
F.A.		From Above
F.B.		From Below
B.S.		Bediet Spray
WB		Wash Basin

NOTE:
- THE WELL SHALL BE RELOCATED ACCORDING TO THE SALINITY OF THE GROUND WATER.
- BASED ON WELL LOCATION PUMP CAPACITY TO BE DECIDED

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT :	MINISTRY OF EDUCATION	
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE :	AS GIVEN	
DATE :	01.09.2021	
DWG NO :	S 05 / 20	



FIRST FLOOR PLUMBING LAYOUT

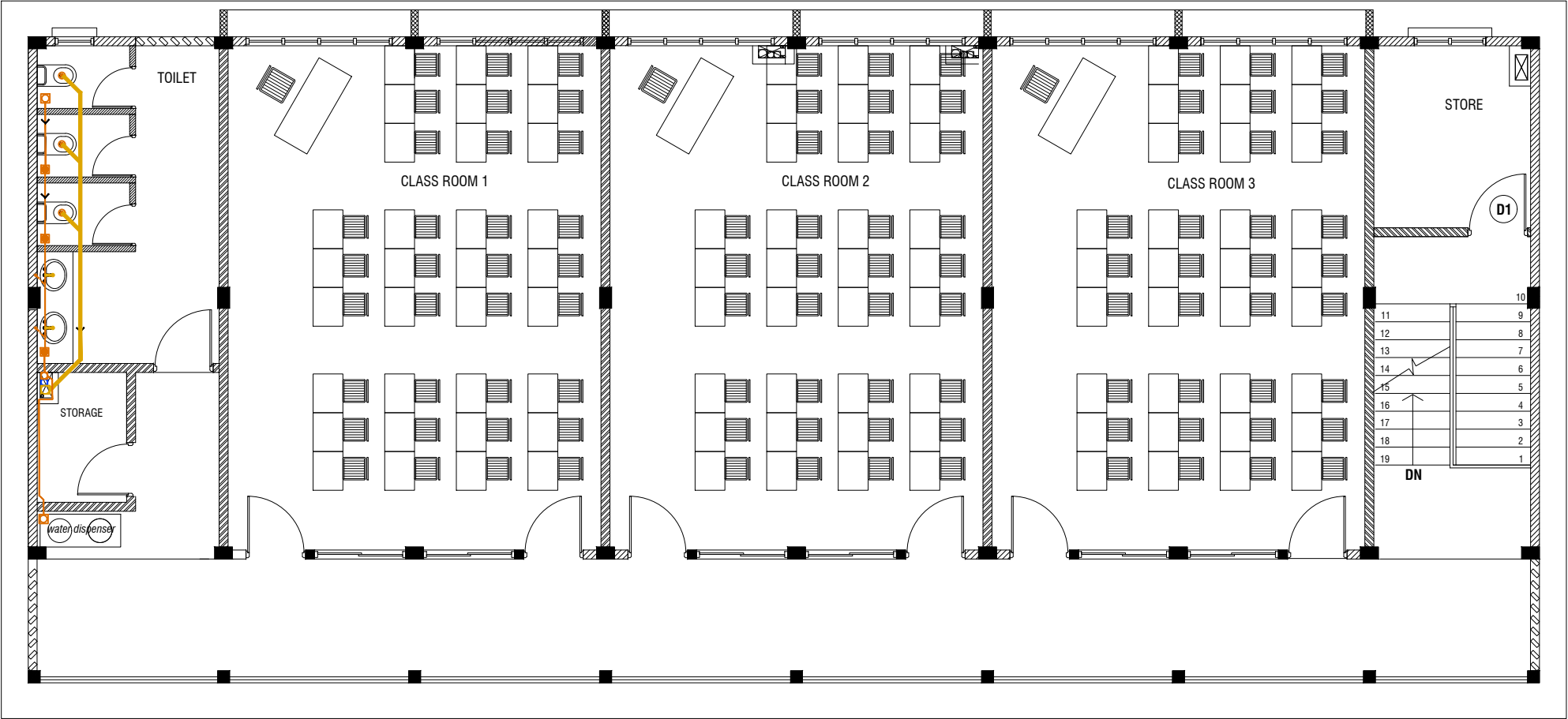
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ABBREVIATION :

- C.W.S — — — Cold Water Supply
- GV G.V. Gate Valve
- X I.V. Isolating Valve/Angle valve
- T.A. To Above
- T.B. To Below
- F.A. From Above
- F.B. From Below
- B.S. Bediet Spray
- WB Wash Basin

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT : MINISTRY OF EDUCATION		
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE : AS GIVEN		
DATE : 01.09.2021		
DWG NO : S 06 / 20		



SECOND FLOOR PLUMBING LAYOUT

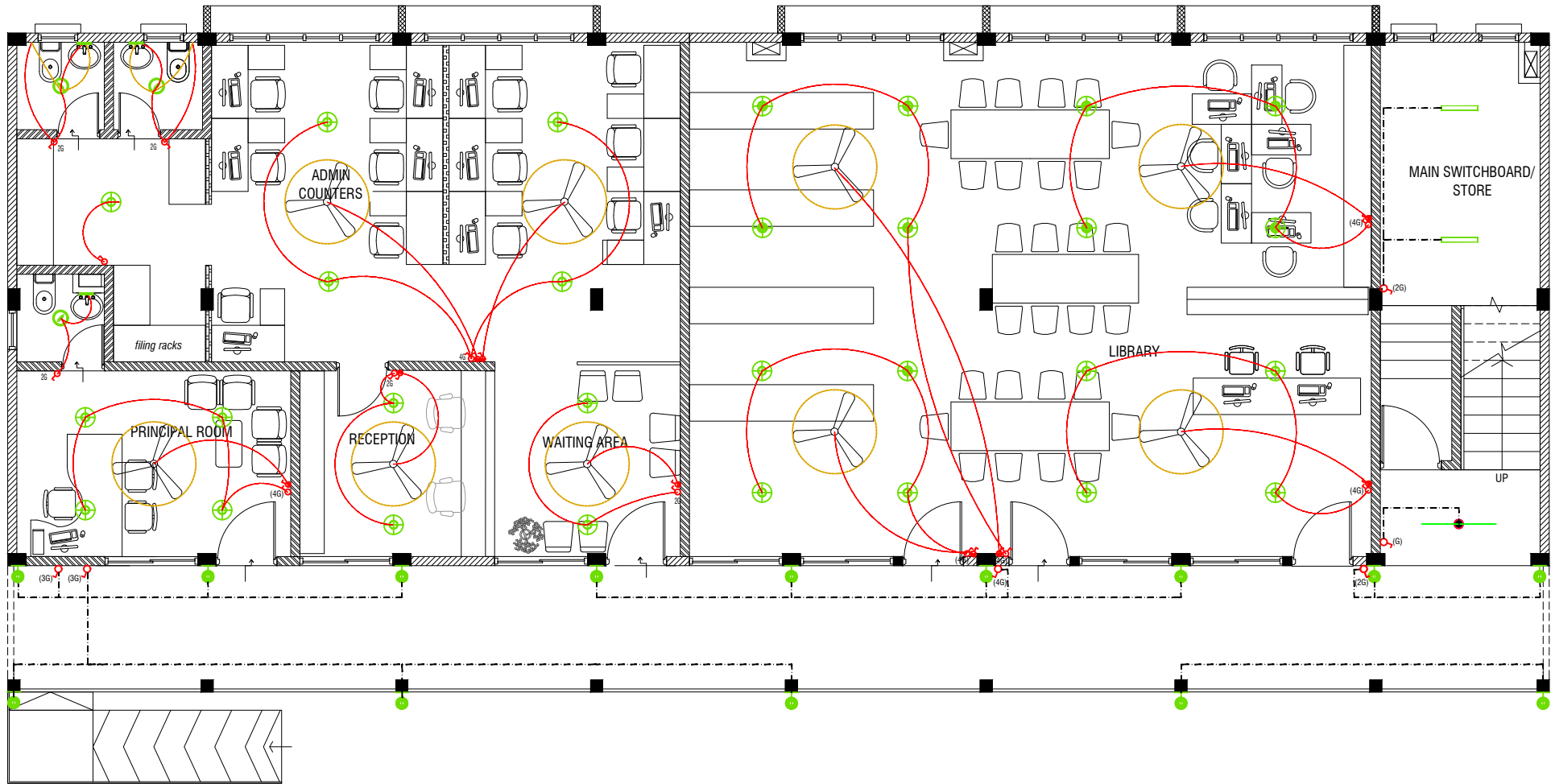
SCALE 1:100



ABBREVIATION :

- C.W.S - - - - Cold Water Supply
- G.V. Gate Valve
- I.V. Isolating Valve/Angle valve
- T.A. To Above
- T.B. To Below
- F.A. From Above
- F.B. From Below
- B.S. Bediet Spray
- WB Wash Basin

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT :	MINISTRY OF EDUCATION	
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE :	AS GIVEN	
DATE :	01.09.2021	
DWG NO :	S 07 / 20	



GROUND FLOOR LIGHTING LAYOUT

SCALE 1:100



LEGEND

- WPD 40W (IP 65) OUT DOOR WALL LIGHT
- ML MIRROR LIGHT (7W LED LIGHT)
- H2 LED RECESSED DOWN LIGHT 12W
- CL LED CEILING LIGHT 18W
- WP LED TUBE LIGHT WITH WEATHER PROOF OPAL CASING
- C2 LED CEILING DOWN LIGHT (18W)
- LIGHT SWITCH
- SWITCHING LINE
- EXHAUST

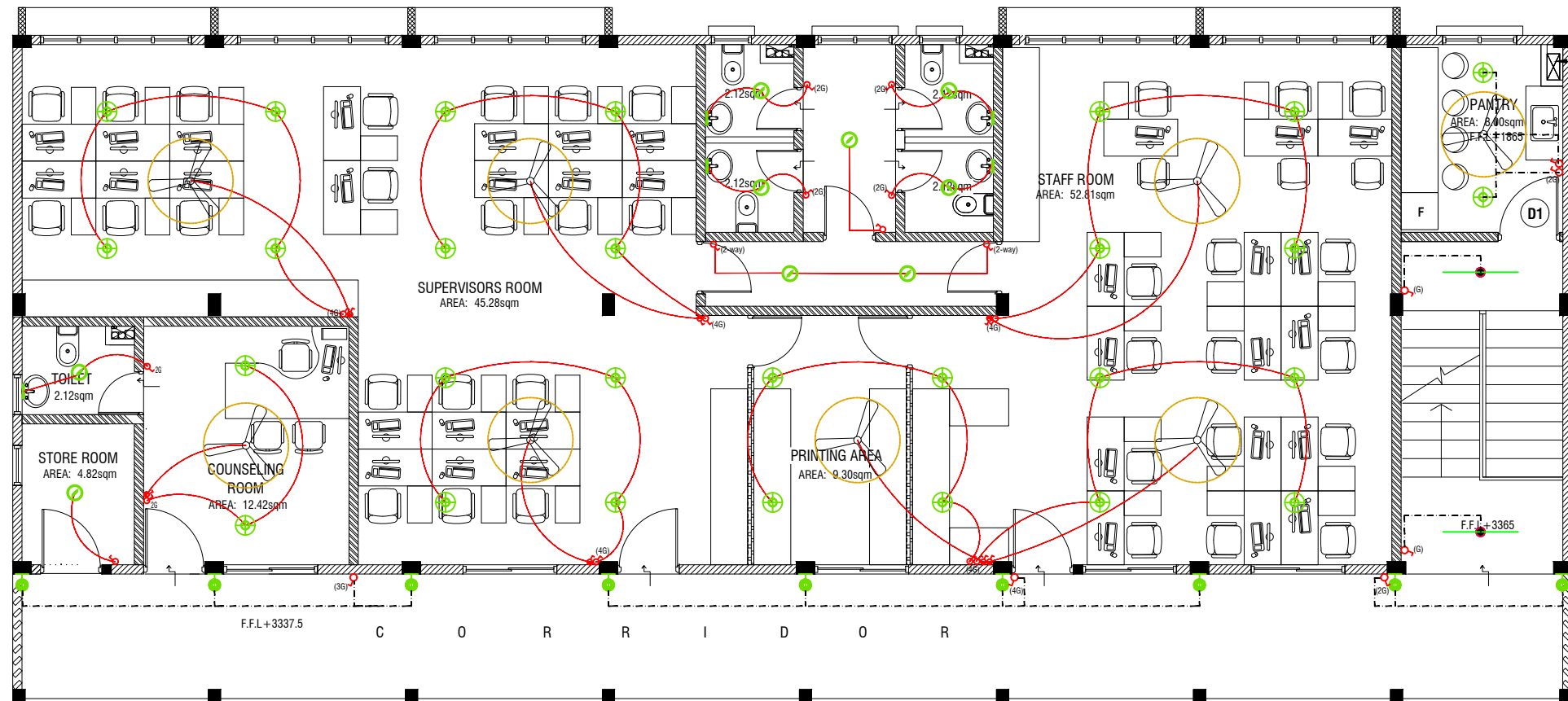
CL2 LED TUBE LIGHT WITH OPAL CASING



NOTE:

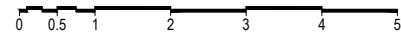
- ALL WIRING TO BE OF STELCO APPROVED STANDARDS
- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
- ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB
- POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT THE OUTDOORS

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE', REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT :	MINISTRY OF EDUCATION	
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE :	AS GIVEN	
DATE :	01.09.2021	
DWG NO :	S 08 / 20	



FIRST FLOOR LIGHTING LAYOUT

SCALE 1:100



LEGEND

- WPD 40W (IP 65) OUT DOOR WALL LIGHT
- ML MIRROR LIGHT (7W LED LIGHT)
- H2 LED RECESSED DOWN LIGHT 12W
- CL LED CEILING LIGHT 18W
- WP LED TUBE LIGHT WITH WEATHER PROOF OPAL CASING
- C2 LED CEILING DOWN LIGHT (18W)
- LIGHT SWITCH
- SWITCHING LINE
- EXHAUST
- FAN SWITCH

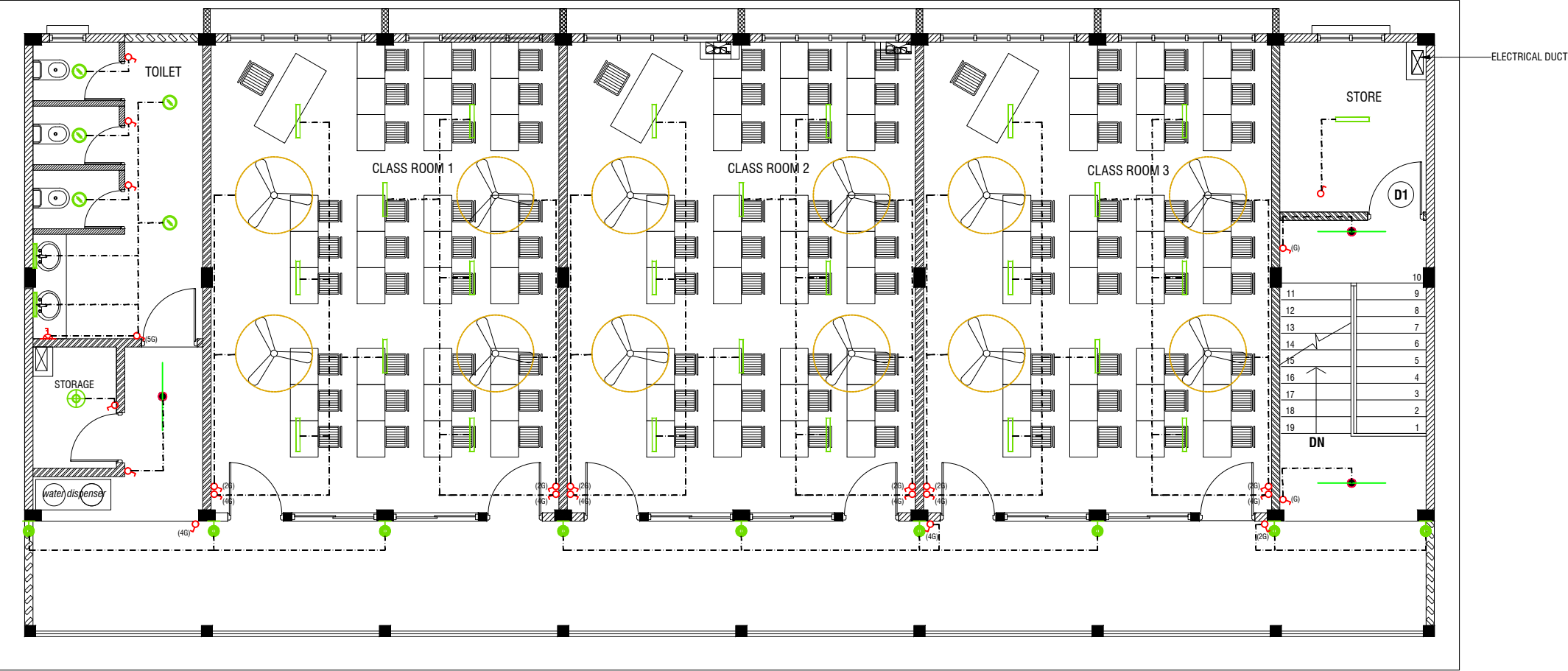
CL2 LED TUBE LIGHT WITH OPAL CASING



NOTE:

- ALL WIRING TO BE OF STELCO APPROVED STANDARDS
- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
- ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB
- POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT THE OUTDOORS

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT :	MINISTRY OF EDUCATION	
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE :	AS GIVEN	
DATE :	01.09.2021	
DWG NO :	S 09 / 20	



SECOND FLOOR LIGHTING LAYOUT

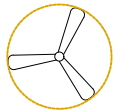
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LEGEND

- WPD 40W (IP 65) OUT DOOR WALL LIGHT
- ML MIRROR LIGHT (7W LED LIGHT)
- H2 LED RECESSED DOWN LIGHT 12W
- CL LED CEILING LIGHT 18W
- WP LED TUBE LIGHT WITH WEATHER PROOF OPAL CASING
- C2 LED CEILING DOWN LIGHT (18W)
- LIGHT SWITCH
- SWITCHING LINE
- EXHAUST
- FAN SWITCH

CL2 LED TUBE LIGHT WITH OPAL CASING



CEILING FAN (52" - 54")

NOTE:

- ALL WIRING TO BE OF STELCO APPROVED STANDARDS
- SWITCH CONTROL = 1200MM FROM FLOOR FIN. LEVEL
- ALL LIGHTING POINTS CONNECTED TO THEIR RESPECTIVE DB
- POLYCARBONATE ENCLOSURE TO ALL SWITCH AND SOCKET WHICH ARE LOCATED AT THE OUTDOORS

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE', REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT : MINISTRY OF EDUCATION		
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE : AS GIVEN		
DATE : 01.09.2021		
DWG NO : S 10 / 20		



GROUND FLOOR POWER LAYOUT

- NOTE:**
1. ALL WIRING TO BE OF APPROVED STANDARDS
 2. POWER/IT/COMPUTER SOCKETS = 300MM - 450MM FROM FLOOR FIN. LEVEL
 3. SWITCH CONTROL / SOCKET = 1100MM - 1200MM FROM FLOOR FIN. LEVEL
 4. KITCHEN SOCKETS / PANTRY SOCKETS = 1150MM - 1250MM FROM FLOOR FIN. LEVEL
 5. AC = 2500MM - 2700MM FROM FLOOR FIN. LEVEL

- LEGEND**
- ▲ COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
 - ▲ TELEPHONE OUTLET (RJ11, CONNECTOR)
 - ⏏ 13A POWER OUTLET
 - ⏏ 13A TWIN SOCKET OUTLET
 - ▲ HDMI,VGA & RAC AV SOCKET
 - ▢ DISTRIBUTION BOX
 - 🔊 SPEAKERS
 - ▲ HDMI,VGA & RAC AV TWIN SOCKET
 - ▲ TWIN COMPUTER NETWORK OUTLET
 - 📶 DATA POINT
 - ▢ TWO GANG / TV SOCKET

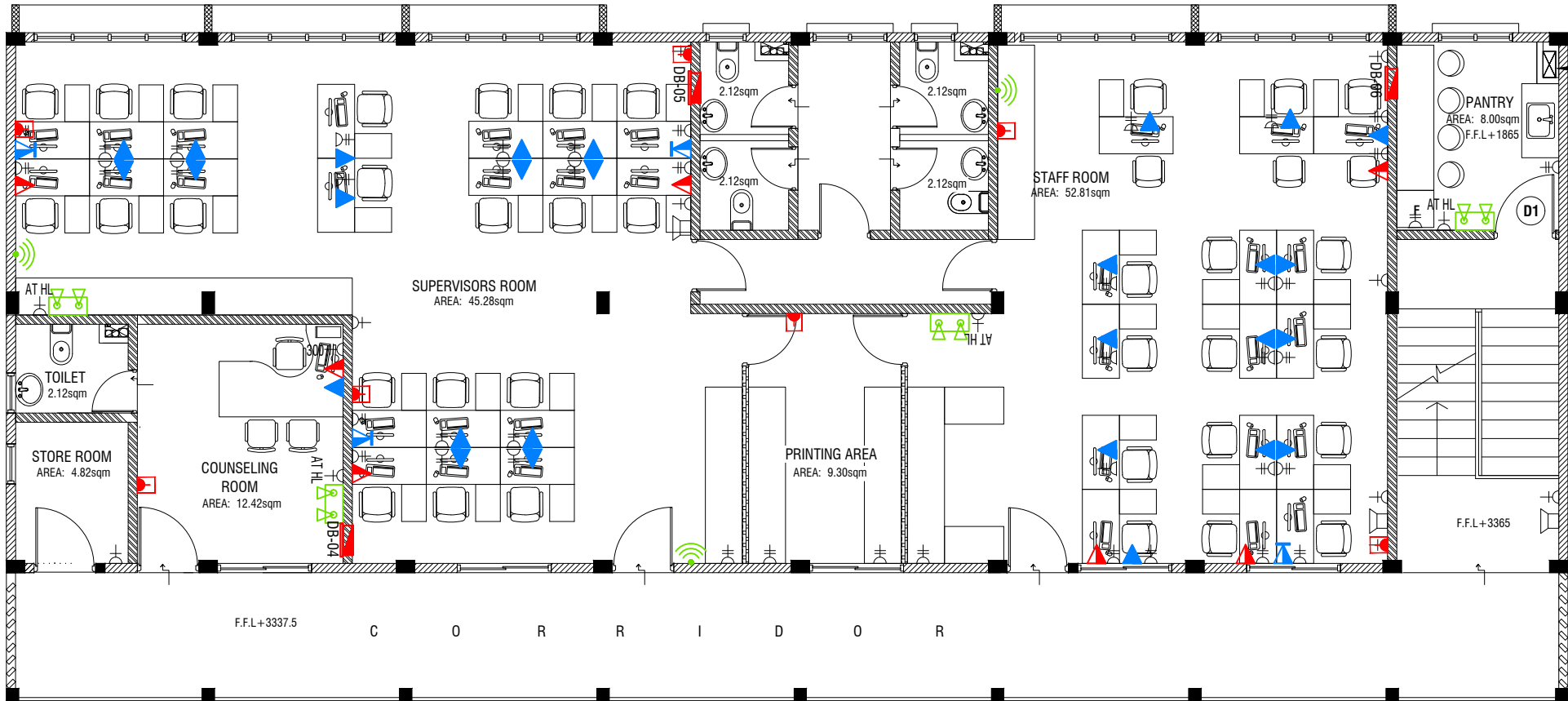
- 15A.SWITCHED/ SPUR UNIT @ H.L.
- PAGING MIC
- VC VOLUME CONTROLLER
- EM EMERGENCY LIGHT

ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

SPEAKERS TO BE CONNECTED TO THE MAIN PA SYSTEM OF THE SCHOOL

TO SUPPLY AND INSTALL PANEL BOARD WITH KWh METER. WIRING AND CONNECTION TO MAIN PANEL BOARD FROM MAIN ELECTRICAL NETWORK TO BE DECIDED ON SITE

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT :	MINISTRY OF EDUCATION	
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE :	AS GIVEN	
DATE :	01.09.2021	
DWG NO :	S 11 / 20	



FIRST FLOOR POWER LAYOUT

SCALE 1:100



NOTE:

1. ALL WIRING TO BE OF APPROVED STANDARDS
2. POWER/IT/COMPUTER SOCKETS = 300MM - 450MM FROM FLOOR FIN. LEVEL
3. SWITCH CONTROL / SOCKET = 1100MM - 1200MM FROM FLOOR FIN. LEVEL
4. KITCHEN SOCKETS / PANTRY SOCKETS = 1150MM - 1250MM FROM FLOOR FIN. LEVEL
5. AC = 2500MM - 2700MM FROM FLOOR FIN. LEVEL

LEGEND

- ▲ COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- ▲ TELEPHONE OUTLET (RJ11, CONNECTOR)
- ⏏ 13A POWER OUTLET
- ⏏ 13A TWIN SOCKET OUTLET
- ▲ HDMI,VGA & RAC AV SOCKET
- DISTRIBUTION BOX
- 🔊 SPEAKERS
- ▲ HDMI,VGA & RAC AV TWIN SOCKET
- ▲ TWIN COMPUTER NETWORK OUTLET
- 📶 DATA POINT
- TWO GANG / TV SOCKET

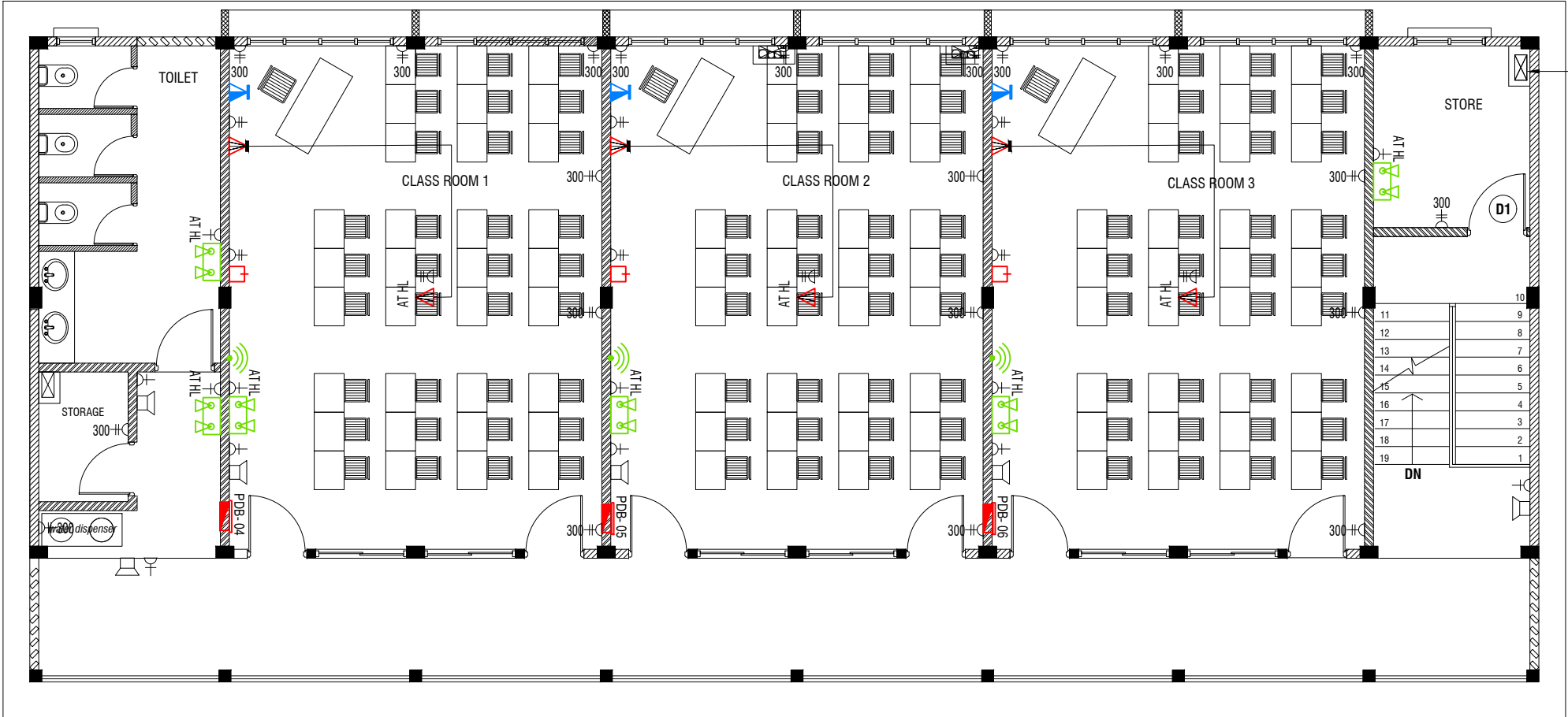
- 📢 PAGING MIC
- VC VOLUME CONTROLLER
- EM 📶 EMERGENCY LIGHT

ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

SPEAKERS TO BE CONNECTED TO THE MAIN PA SYSTEM OF THE SCHOOL

TO SUPPLY AND INSTALL PANEL BOARD WITH kWh METER. WIRING AND CONNECTION TO MAIN PANEL BOARD FROM MAIN ELECTRICAL NETWORK TO BE DECIDED ON SITE

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT :	MINISTRY OF EDUCATION	
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE :	AS GIVEN	
DATE :	01.09.2021	
DWG NO :	S 12 / 20	



SECOND FLOOR POWER LAYOUT

SCALE 1:100



NOTE:

1. ALL WIRING TO BE OF APPROVED STANDARDS
2. POWER/IT/COMPUTER SOCKETS = 300MM - 450MM FROM FLOOR FIN. LEVEL
3. SWITCH CONTROL / SOCKET = 1100MM - 1200MM FROM FLOOR FIN. LEVEL
4. KITCHEN SOCKETS / PANTRY SOCKETS = 1150MM - 1250MM FROM FLOOR FIN. LEVEL
5. AC = 2500MM - 2700MM FROM FLOOR FIN. LEVEL

LEGEND

- COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- TELEPHONE OUTLET (RJ11, CONNECTOR)
- 13A POWER OUTLET
- 13A TWIN SOCKET OUTLET
- HDMI,VGA & RAC AV SOCKET
- DISTRIBUTION BOX
- SPEAKERS
- HDMI,VGA & RAC AV TWIN SOCKET
- TWIN COMPUTER NETWORK OUTLET
- DATA POINT
- TWO GANG / TV SOCKET

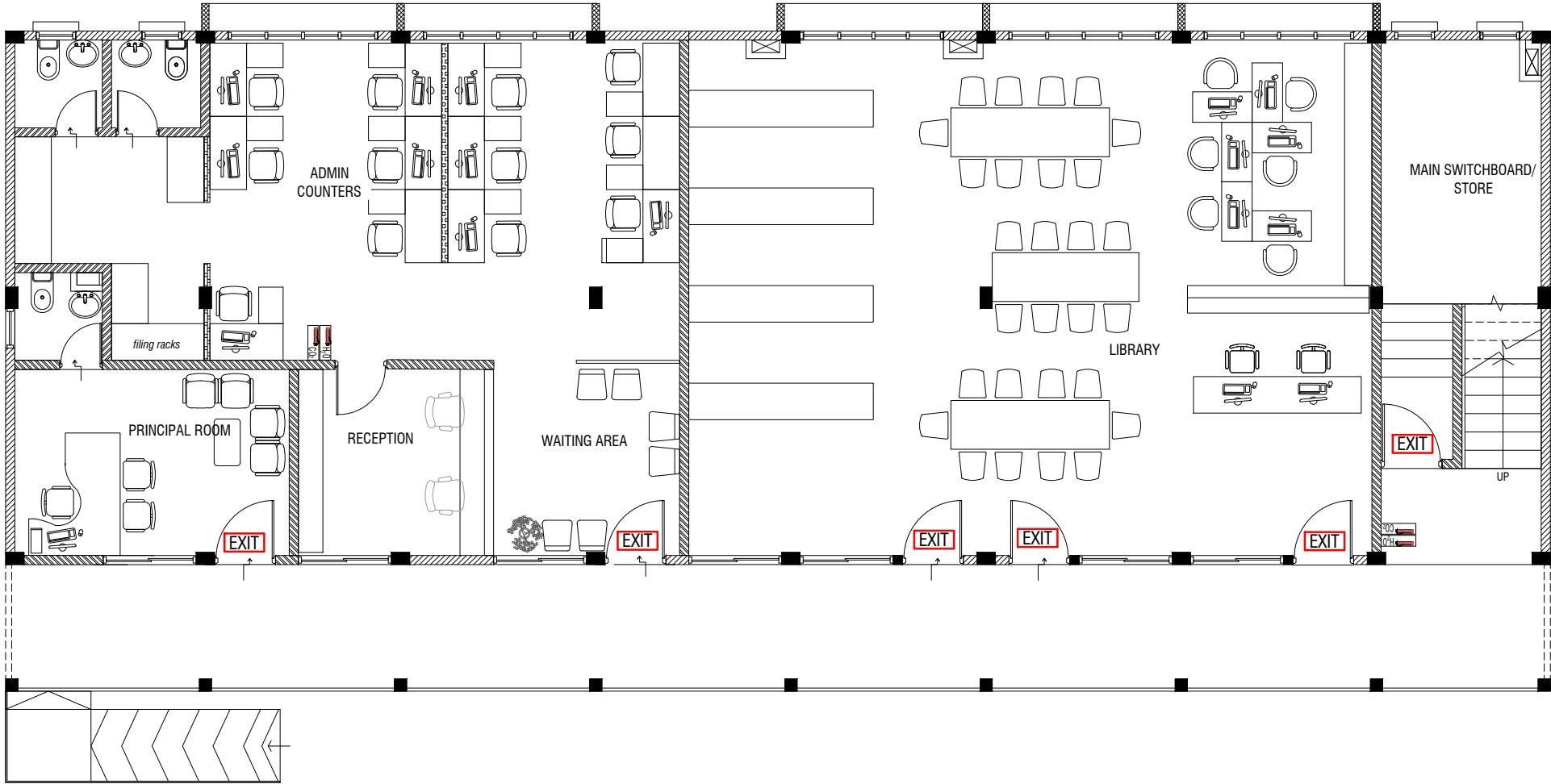
- PAGING MIC
- VOLUME CONTROLLER
- EMERGENCY LIGHT

ALL ELECTRICAL COMPONENT TO BE CONNECTED TO THEIR RESPECTIVE DB

SPEAKERS TO BE CONNECTED TO THE MAIN PA SYSTEM OF THE SCHOOL




TO SUPPLY AND INSTALL PANEL BOARD WITH kWh METER. WIRING AND CONNECTION TO MAIN PANEL BOARD FROM MAIN ELECTRICAL NETWORK TO BE DECIDED ON SITE

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT : MINISTRY OF EDUCATION		
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE : AS GIVEN		
DATE : 01.09.2021		
DWG NO : S 13 / 20		



GROUND FLOOR FDP LAYOUT

LEGEND

-  EXIT SIGN
-  CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
-  H₂O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)

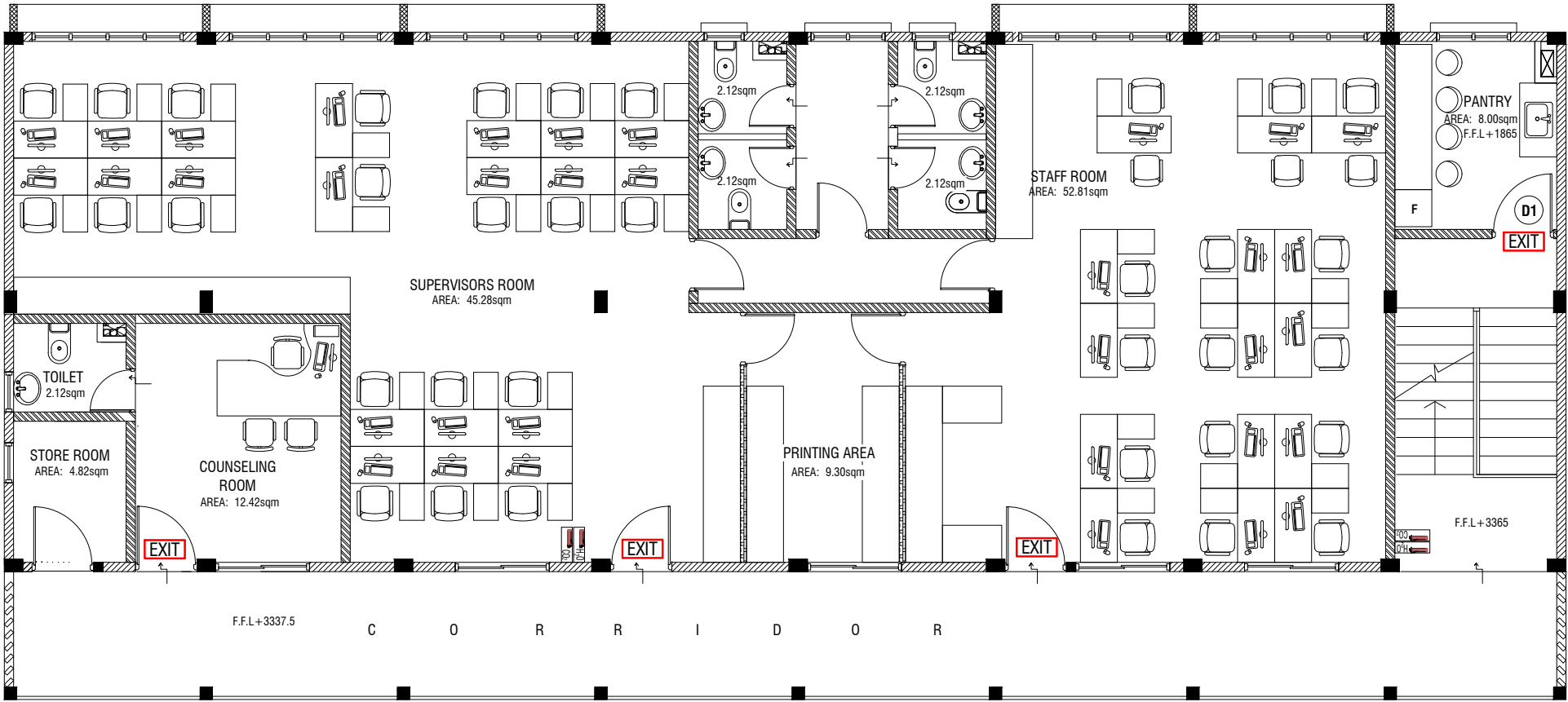
ALL FIRE CABLES AND CONDUITS SHOULD BE FIRE RETARDANT LOW SMOKE (FRLS) TYPE.

ALL FIRE RATED DOOR SHOULD COME WITH PACKING (EXPANSION SEAL TRAP)

- 1.ALL PIPES SHOULD BE GALVANIZED,SCHEDULE 40.
- 2. ALL PIPE SHALL BE PAINTED IN RED AS PER REGULATION.
- 3. ALL SUPPORT/BACKET SHALL BE HOT DIPPED GALVANIZED TO 100MM
- 4.ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

-IF THE INSTALLATION OF CEILING IS CARRIED OUT LOWER THAN BEAM BOTTOM ,SMOKE DETECTORS SHOULD BE PLACED AS INDICATED ON THE DRAWING.
-ALTERNATIVELY IF THE INSTALLATION OF CEILING IS CARRIED OUT EQUAL TO BEAM BOTTOM OR IF THE CEILING IS NOT INSTALLED , SMOKE DETECTORS ARE TO BE PLACED IN BETWEEN EACH BEAM

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE', REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT : MINISTRY OF EDUCATION		
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE : AS GIVEN		
DATE : 01.09.2021		
DWG NO : S 14 / 20		





FIRST FLOOR FDP LAYOUT

SCALE 1:100



LEGEND

- EXIT** EXIT SIGN
-  CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
-  H₂O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)

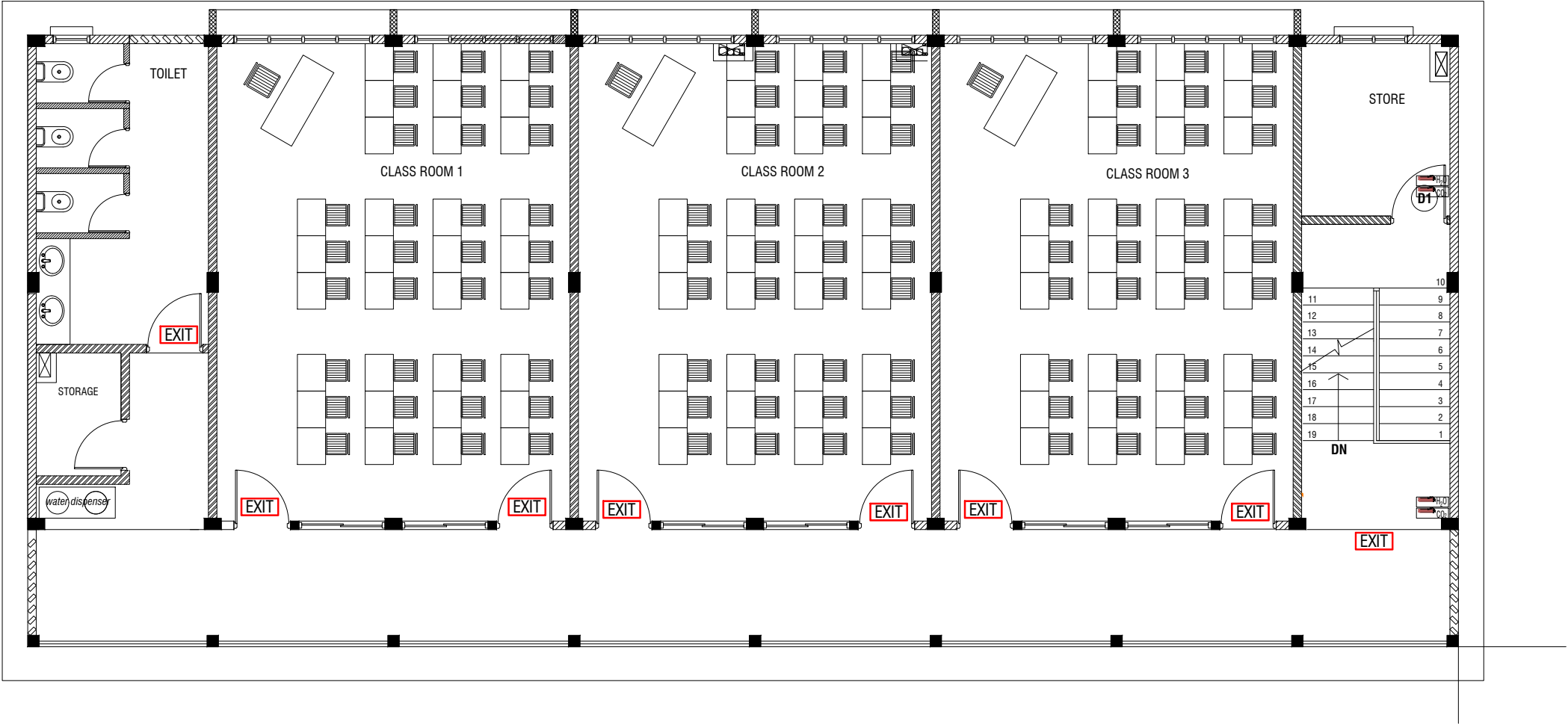
ALL FIRE CABLES AND CONDUITS SHOULD BE FIRE RETARDANT LOW SMOKE (FRLS) TYPE.

ALL FIRE RATED DOOR SHOULD COME WITH PACKING (EXPANSION SEAL TRAP)

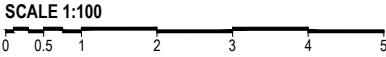
- 1.ALL PIPES SHOULD BE GALVANIZED,SCHEDULE 40.
2. ALL PIPE SHALL BE PAINTED IN RED AS PER REGULATION.
3. ALL SUPPORT/BACKET SHALL BE HOT DIPPED GALVANIZED TO 100MM
- 4.ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

-IF THE INSTALLATION OF CEILING IS CARRIED OUT LOWER THAN BEAM BOTTOM ,SMOKE DETECTORS SHOULD BE PLACED AS INDICATED ON THE DRAWING.
-ALTERNATIVELY IF THE INSTALLATION OF CEILING IS CARRIED OUT EQUAL TO BEAM BOTTOM OR IF THE CEILING IS NOT INSTALLED , SMOKE DETECTORS ARE TO BE PLACED IN BETWEEN EACH BEAM



Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE, REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT :	MINISTRY OF EDUCATION	
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE :	AS GIVEN	
DATE :	01.09.2021	
DWG NO :	S 15 / 20	



SECOND FLOOR FDP LAYOUT



LEGEND

- EXIT** EXIT SIGN
-  CO₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE(TYP.)
-  H₂O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE(TYP.)

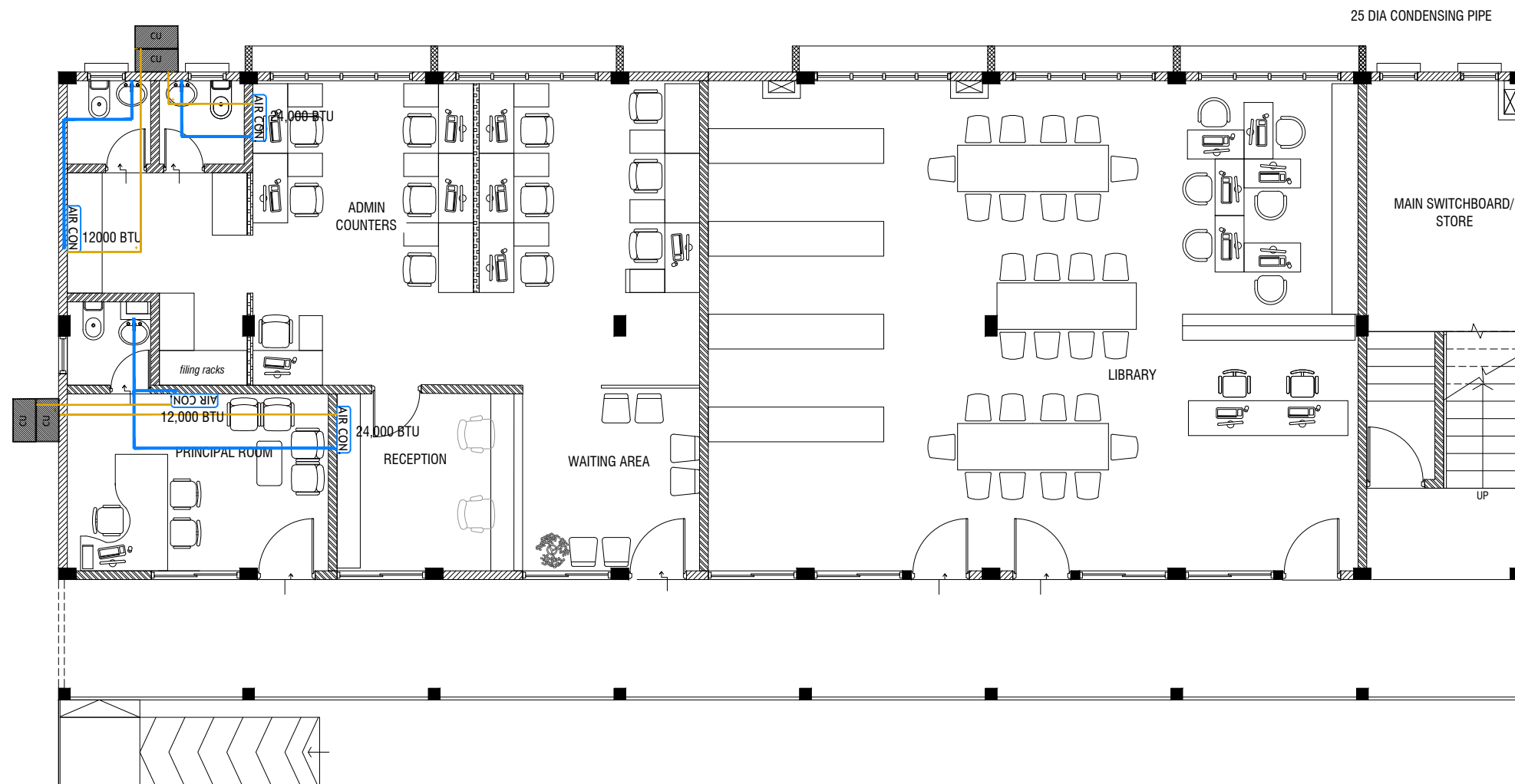
ALL FIRE CABLES AND CONDUITS SHOULD BE FIRE RETARDANT LOW SMOKE (FRLS) TYPE.

ALL FIRE RATED DOOR SHOULD COME WITH PACKING (EXPANSION SEAL TRAP)

- 1.ALL PIPES SHOULD BE GALVANIZED,SCHEDULE 40.
2. ALL PIPE SHALL BE PAINTED IN RED AS PER REGULATION.
3. ALL SUPPORT/BACKET SHALL BE HOT DIPPED GALVANIZED TO 100MM
- 4.ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)

-IF THE INSTALLATION OF CEILING IS CARRIED OUT LOWER THAN BEAM BOTTOM ,SMOKE DETECTORS SHOULD BE PLACED AS INDICATED ON THE DRAWING.
-ALTERNATIVELY IF THE INSTALLATION OF CEILING IS CARRIED OUT EQUAL TO BEAM BOTTOM OR IF THE CEILING IS NOT INSTALLED , SMOKE DETECTORS ARE TO BE PLACED IN BETWEEN EACH BEAM

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE', REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT : MINISTRY OF EDUCATION		
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE : AS GIVEN		
DATE : 01.09.2021		
DWG NO : S 16 / 20		

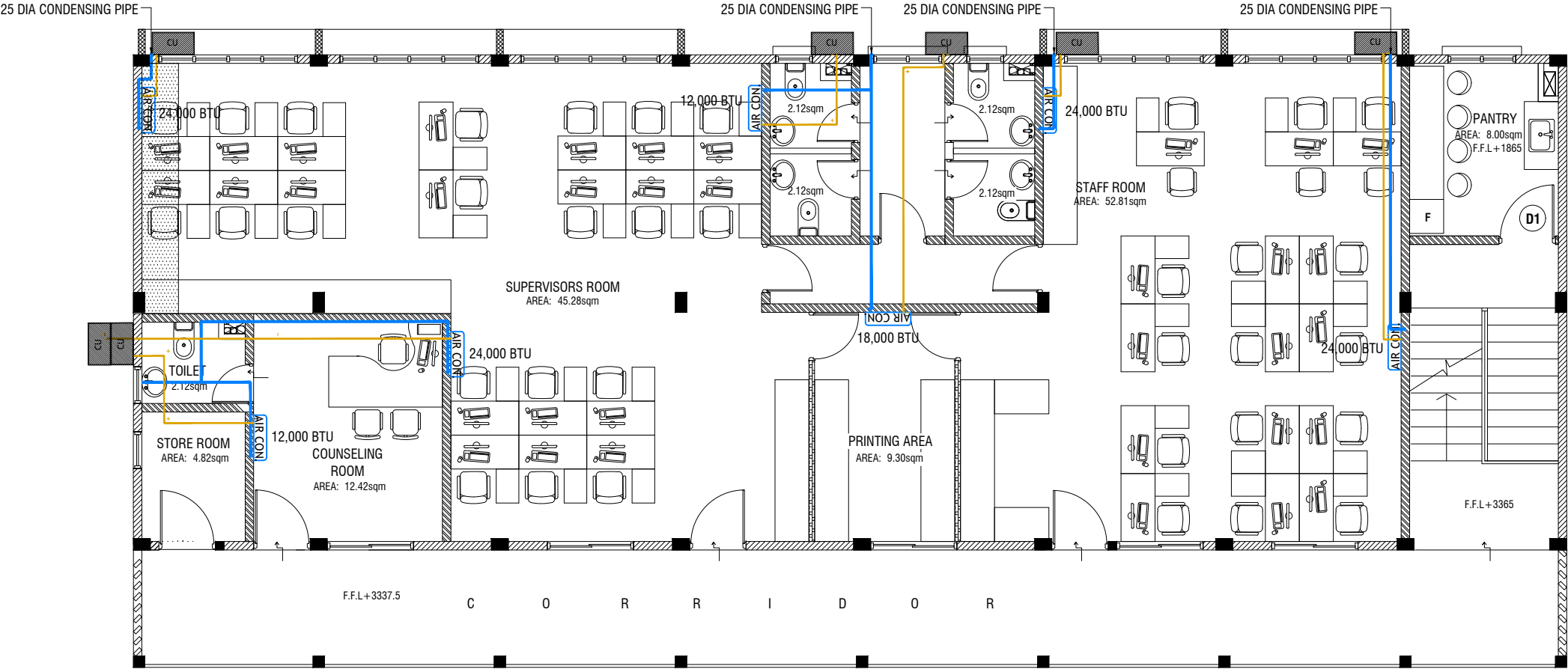


GROUND FLOOR ACV LAYOUT

LEGEND

	REFRIGERANT PIPES
	25 Ø CONDENSATE DRAIN PIPE
	CONDENSING UNIT

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE', REPUBLIC OF MALDIVES		
PROJECT TH HIRILANDHOO SCHOOL BLOCK (3 STOREY)		
PROJECT REFERENCE		
CLIENT :	MINISTRY OF EDUCATION	
ARCHITECT :		
ENGINEER :		
DRAWN :		
CHECKED :		
SCALE :	AS GIVEN	
DATE :	01.09.2021	
DWG NO :	S 17 / 20	



FIRST FLOOR ACV LAYOUT

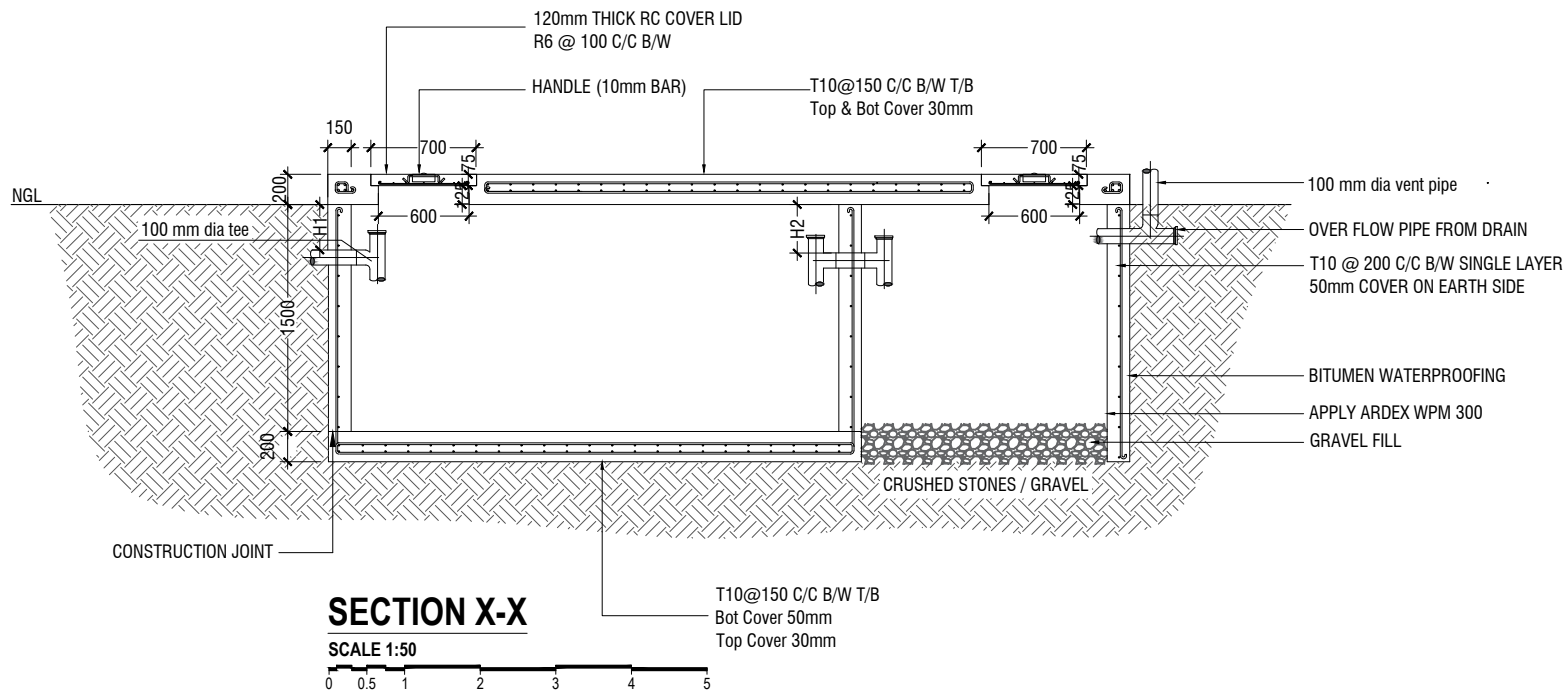
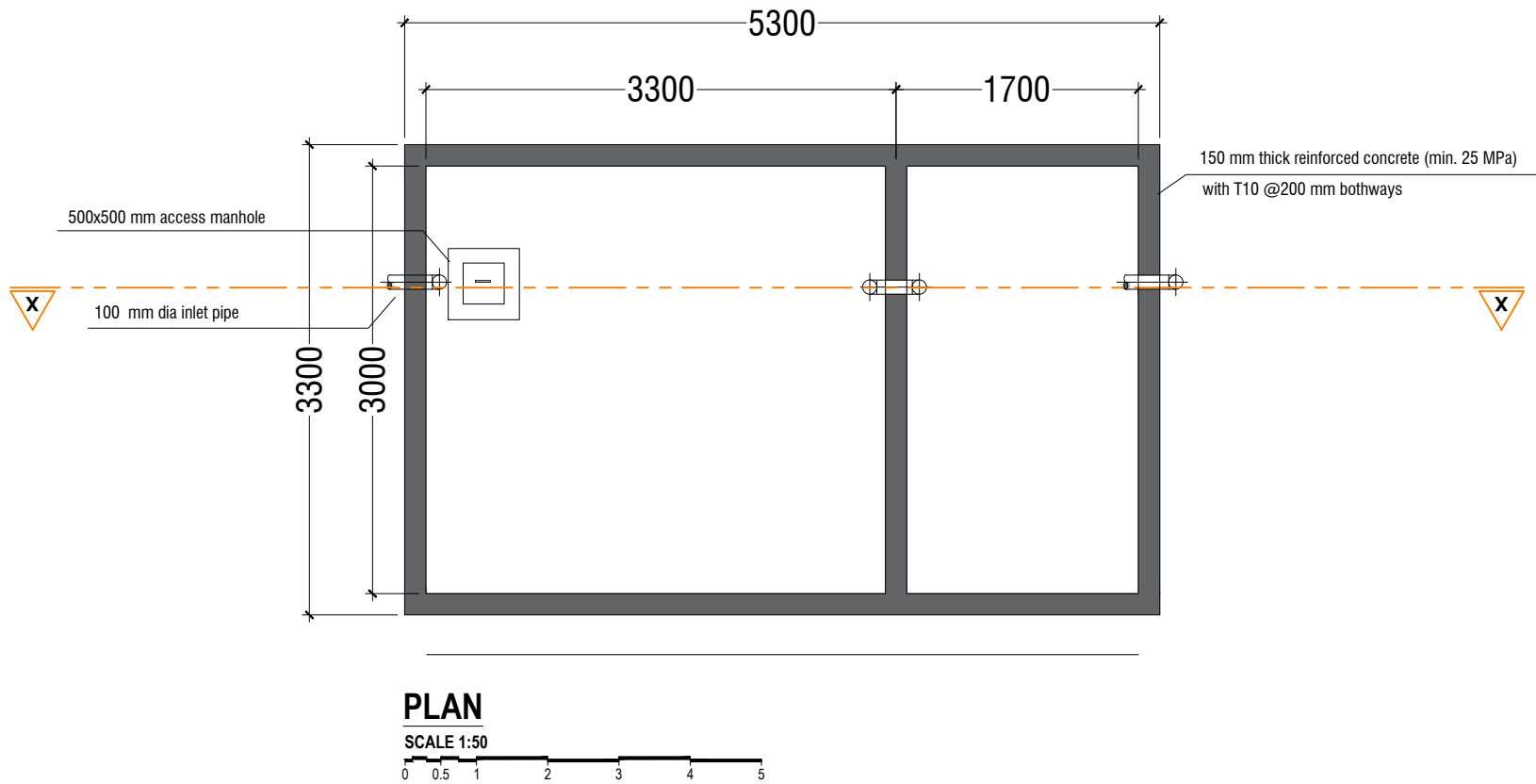
SCALE 1:100



LEGEND

- REFRIGERANT PIPES
- 25 Ø CONDENSATE DRAIN PIPE
- CONDENSING UNIT

Issue	Date	Description
AMMENDMENTS.		
PHYSICAL FACILITIES DEVELOPMENT SECTION MINISTRY OF EDUCATION, MALE', REPUBLIC OF MALDIVES		
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CHECKED :		
SCALE : AS GIVEN		
DATE : 01.09.2021		
DWG NO : S 18 / 20		



NOTE:
CONSTRUCTION OF SEPTIC TANK SHALL BE DONE IN THE ABSENCE OF
SEWERAGE NETWORK AT THE ISLAND, ONLY

SEPTIC TANK DETAIL

SCALE 1:50

0 0.5 1 2 3 4 5

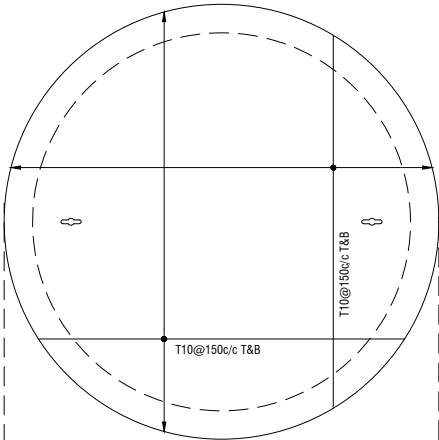
NOTE:

H1 < H2

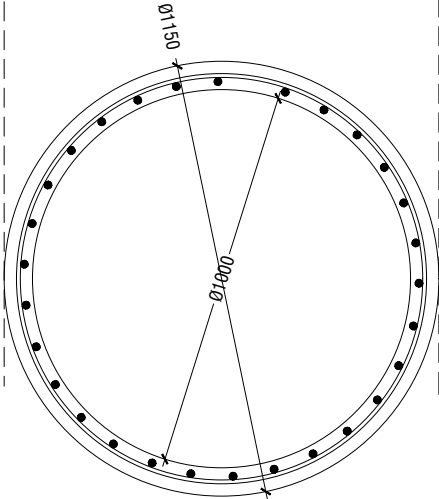
- TOP AND BOTTOM OF SEPTIC TANK SHOULD BE OF 200mm THICK
- BITUMINOUS WATERPROOFING TO BE APPLIED BELOW GROUND SURFACE
- REINFORCEMENT TO HAVE A COVER OF 50mm FROM EARTH

Issue	Date	Description
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SCALE :	AS GIVEN	
DATE :	01.09.2021	
DWG NO :	S 19 / 20	

WATER TANK WALL TOP & BOTTOM SLAB



WATER TANK WALL REINF.

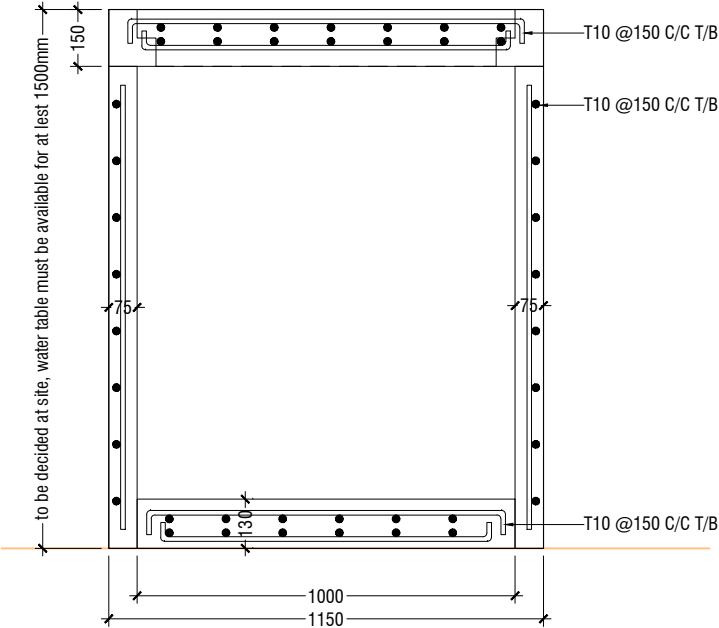


WATER TANK DETAILS

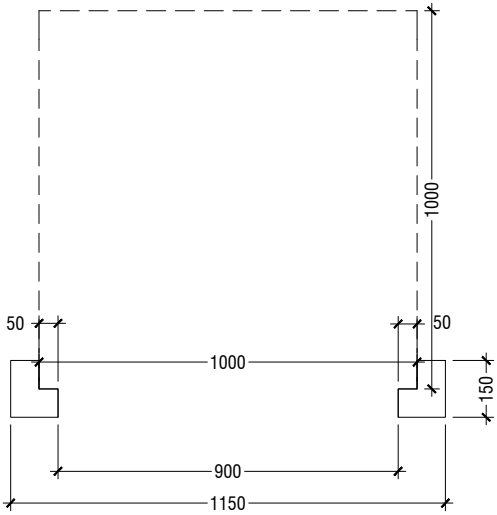
SCALE 1:20



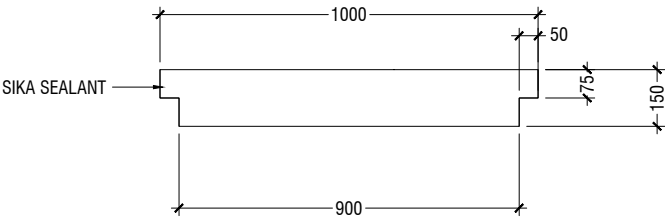
WATER TANK SECTION



ELEVATION

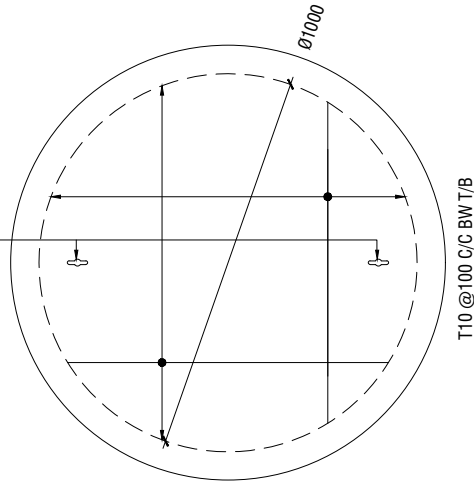


SECTION



KEYHOLES (THE KEYHOLES SHALL BE COVERED FROM A RUBBER SEALER ON TOP OF IT)

PLAN



NOTE:

- ALL CONCRETE WORKS BELOW GROUND AND AT TERRACE LEVEL TO BE TREATED WITH 'SIKA' WATERPROOFING CHEMICAL OR EQUIVALENT
- PROVIDE PROVISION FOR WATER ENTRANCE THROUGH THE BASE

WATER TANK LID DETAILS

SCALE 1:20



Issue	Date	Description
AMMENDMENTS.		
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DATE :	01.09.2021	
DWG NO :	S 20 / 20	