

Proposed Multipurpose Hall Building at V.Fulidhoo AEC School

SERVICES DRAWINGS
Client: Ministry of Education

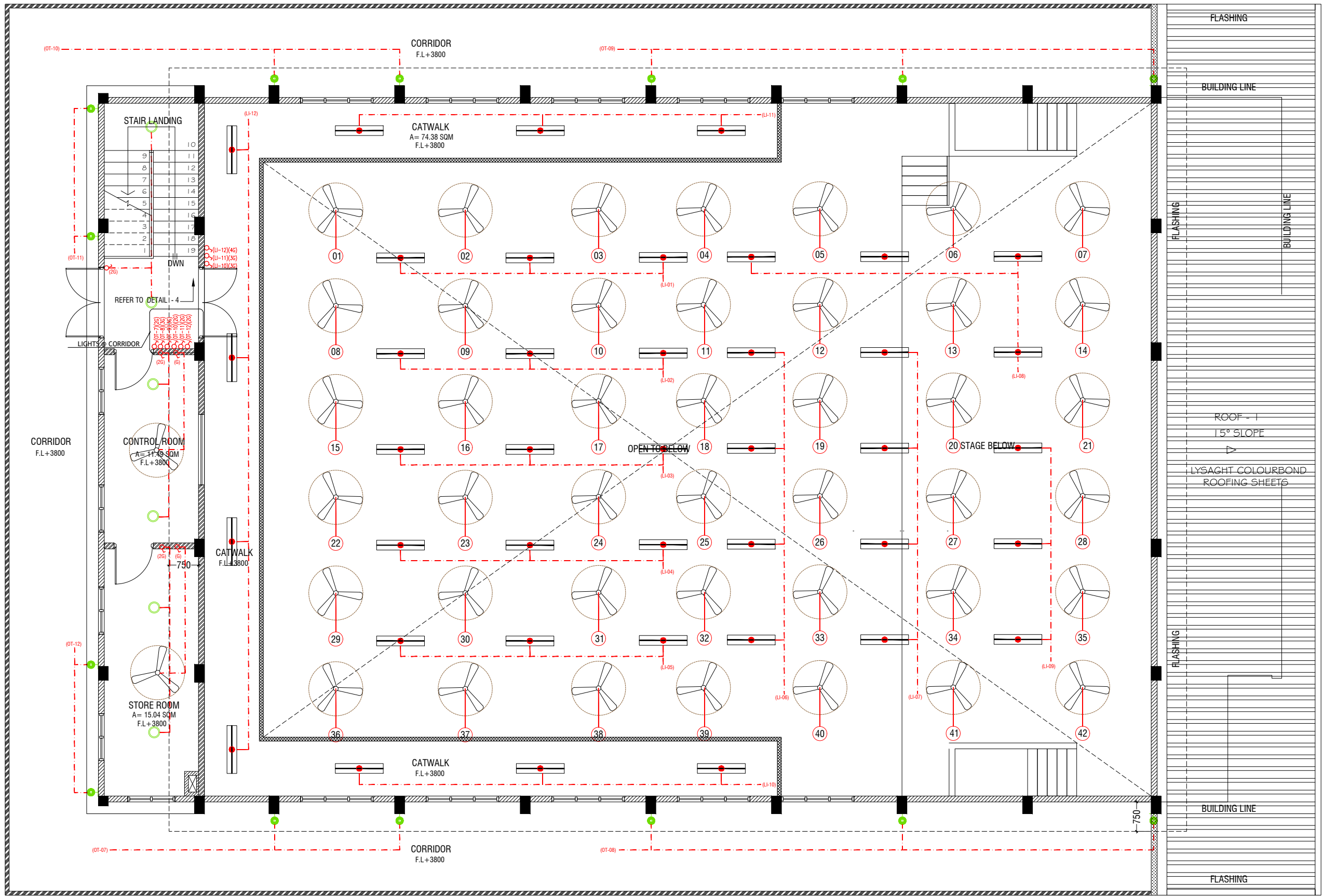


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3rd floor, H. Azum, Arneeneemadu, Male'

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200X200 ZINC GUTTER

FIRST FLOOR LIGHTING LAYOUT

SCALE 1:100



LEGEND

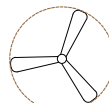


4 x 55W PLL Lamps
(Wire guard, Polycarbonate diffuser, Emergency and dimming versions)

C2



LED CEILING DOWN LIGHT (18W)



CEILING FAN (52" - 54")

WPD



40W (IP 65) OUT DOOR WALL LIGHT

ML



MIRROR LIGHT (7W LED LIGHT)



LIGHT SWITCH



CEILING FAN SWITCH



CIRCUIT LINE



SWITCHING LINE

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

NOTE:

- THE DOWNROD OF THE FANS IN THE HALL SHOULD BE NOT LESS THAN 60"

V.Fulidhoo AEC School Hall
Client: Ministry of Education

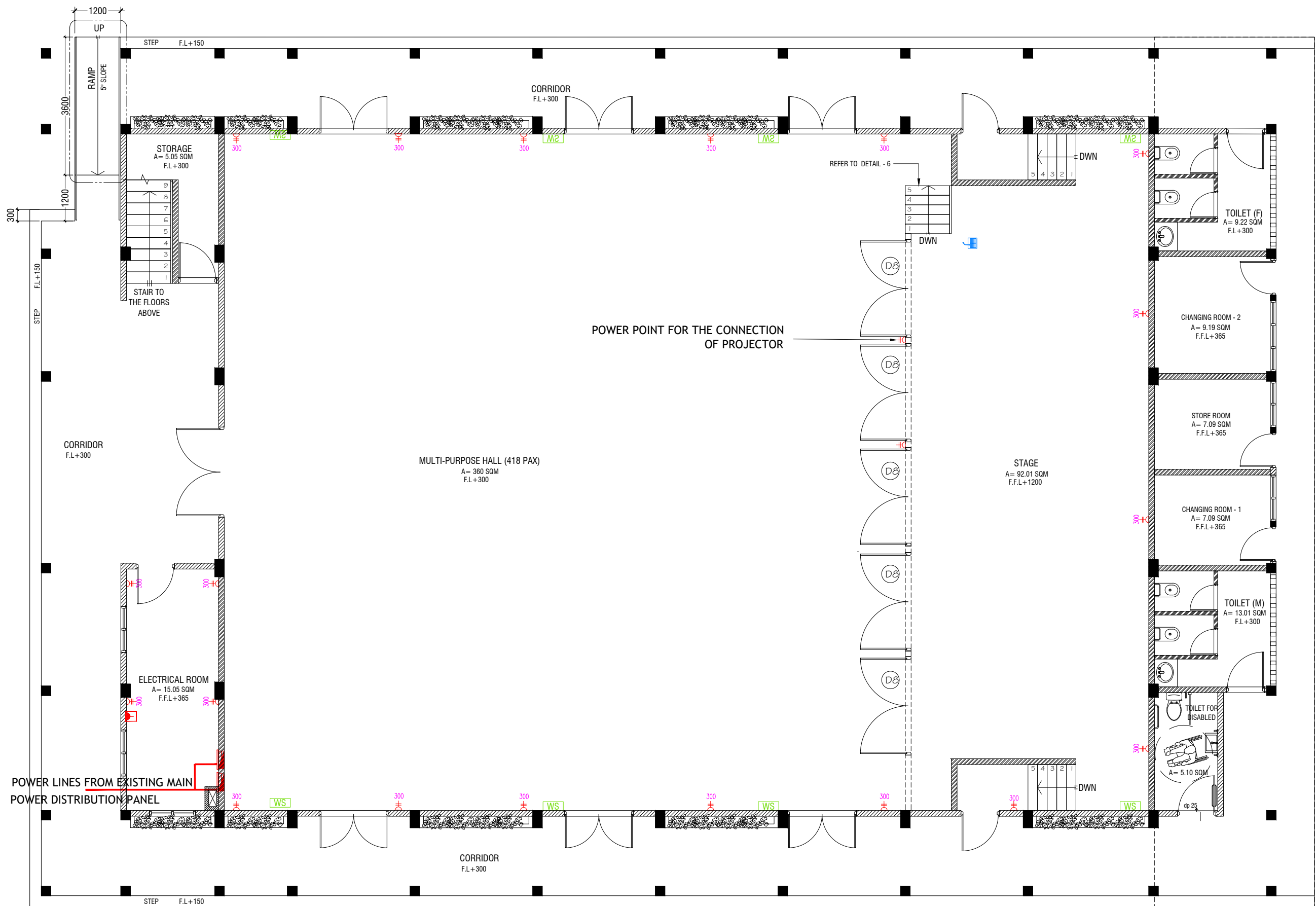
Project Number: R/2020/006
Date: July 2021
Architect: Maniyam Indira Shanil
Engineer: Maniyam Indira Shanil
Drawn by: Maniyam Leeyan Jaleel
Services: Alubath Ahmed
Interior: -



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Title: 1st Floor
Lighting Layout
Page: EL - 02/02

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GROUND FLOOR POWER LAYOUT

SCALE 1:100



- ▲ PHONE EXTENSION
- ▲ COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
- ▲ TELEPHONE OUTLET (RJ11, CONNECTOR)
- ▲ 13A POWER POINT
- ▲ 13A TWIN SOCKET OUTLET
- ▲ 15A.SWITCHED/ SPUR UNIT @ H.L.
- ▲ DISTRIBUTION BOX
- WS WALL SPEAKERS AT CEILING LEVEL
- Wired MIC IS PROVIDED

NOTE:

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

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 (LOCATED AT ELECTRICAL ROOM)

V.Fulidhoo AEC School Hall
Client: Ministry of Education

Project Number: R/2020/006
Date: July 2021
Architect: Maniyam Leeyan Jaleel
Drawn by: Maniyam Leeyan Jaleel
Services: Alubatt Ahmed



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Title: Ground Floor Power Layout
Page: EP - 01/02

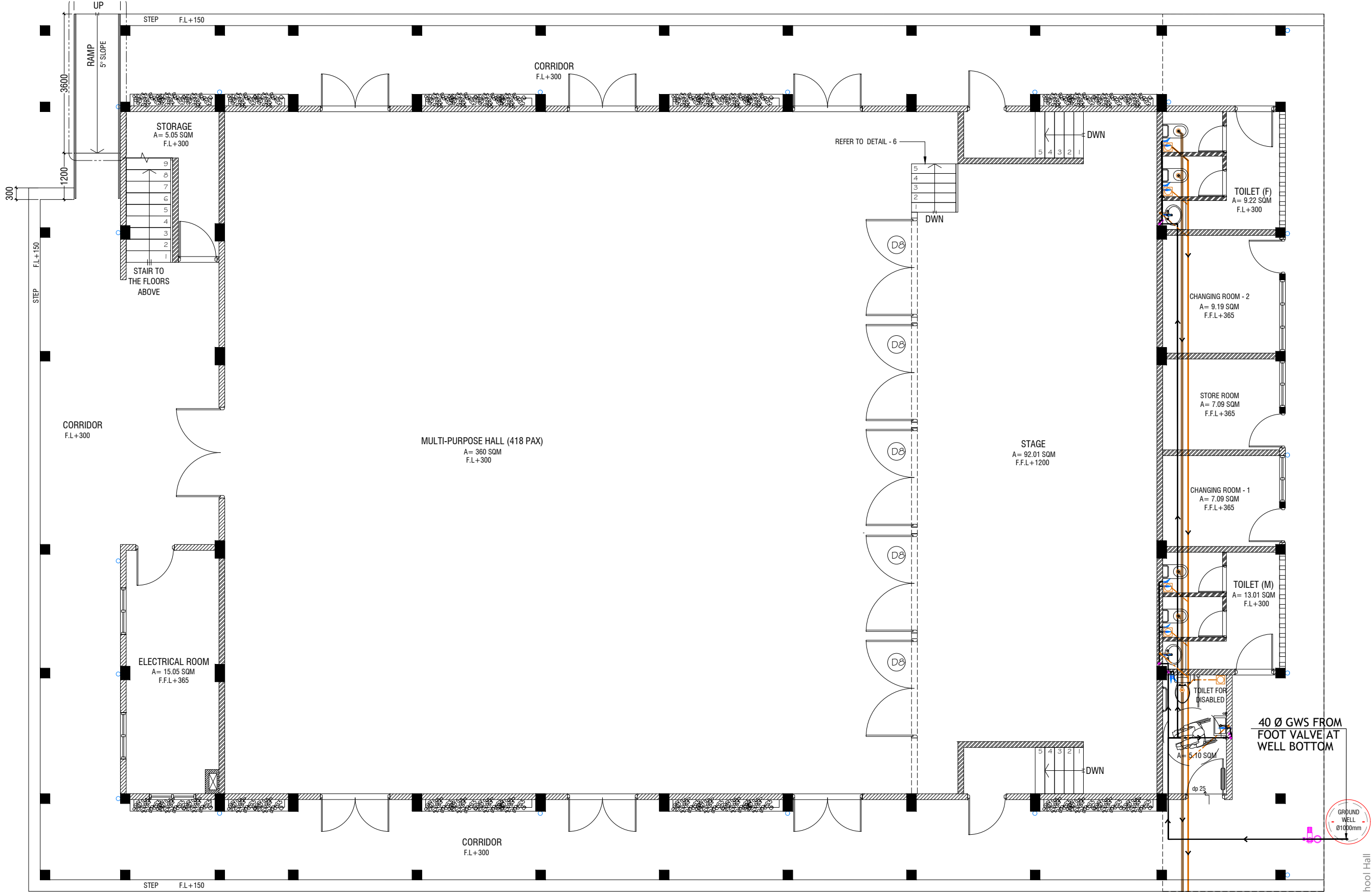
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SCALE 1:100

- DATA POINT
- 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

TO CHECK IF THE EXISTING MAIN PANEL BOARD CAN CATER THE PROPOSED BUILDING, IF NOT, 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



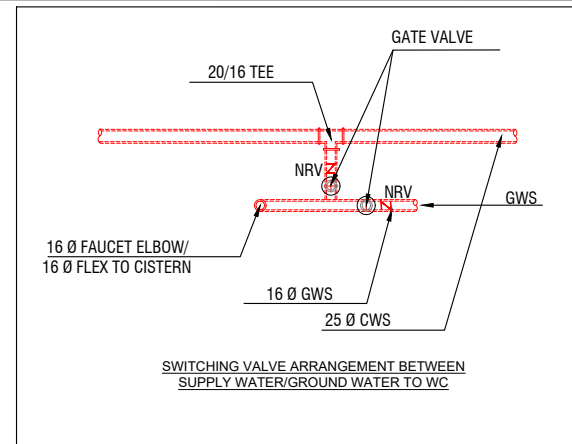
GROUND FLOOR PLUMBING & DRAINAGE LAYOUT

SCALE 1:100

LEGEND

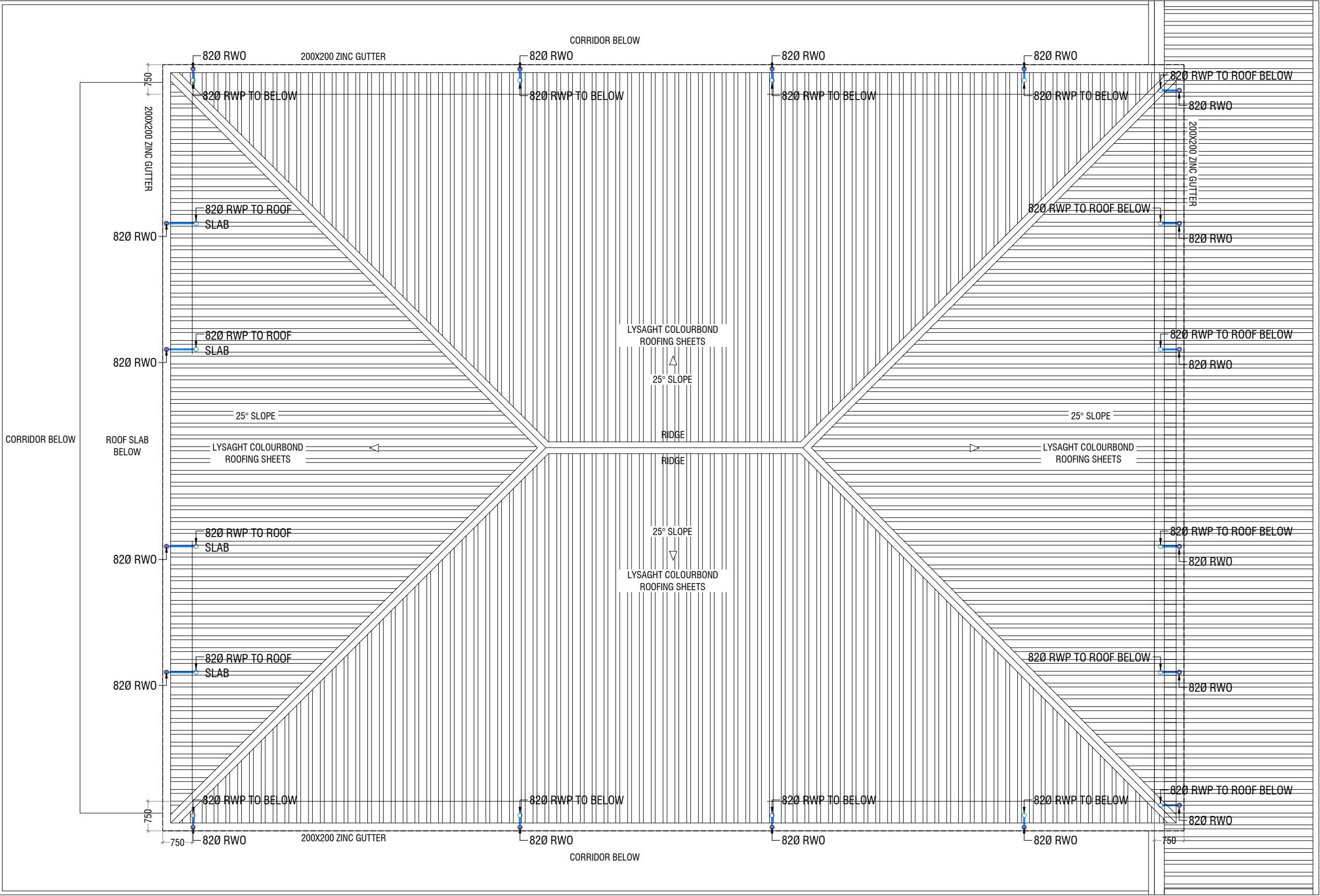
- FC 160 COLD WATER SUPPLY FAUCET / WALL TAP/SINK
GV 160 COLD WATER SUPPLY TO CISTERN
GV GATE VALVE
RISE IN WALL
DROP IN WALL
320 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND
250 COLD WATER SUPPLY PIPES RUNNING IN WALLS
250 COLD WATER SUPPLY PIPES RUNNING UNDERGROUND
250 COLD WATER SUPPLY PIPES RUNNING ABOVE FALSE CEILING

- FLOOR DRAIN
FLOOR GULLY
1100 SOIL PIPE (CPVC PIPE)
820 WASTE PIPE (CPVC PIPE)
400 WASTE PIPE (CPVC PIPE)
500 WASTE PIPE (CPVC PIPE)
820 MANHOLE VENT PIPE (CPVC PIPE)
BOTTLE TRAP
GROUND WATER SUPPLY



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.
- ALL COLD WATER PIPES SHOULD BE CPVC

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



ROOF PLAN - 2 DRAINAGE LAYOUT

SCALE 1:100



- RWP 82/50 Ø RAINWATER PIPE
- RWO 82/50 Ø DRAIN OUTLET
- CD 25 Ø DRAIN PIPE
- MHP 50 Ø MANHOLE VENT PIPE

NOTE:
- ALL RAINWATER PIPES TO BE AT GROUND LEVEL
DISCHARGED THROUGH A PERFORATED COWL OR TO A SOAK PIT

GROUND FLOOR FDP LAYOUT

SCALE 1:100



LEGEND



SMOKE DETECTOR



HEAT DETECTOR



EXIT SIGN



EMERGENCY LIGHT



CO₂ EXTINGUISHER (LOAD: 2KG) IN
POLYCARBONATE ENCLOSURE (TYP.)



WET CHEMICAL FIRE EXTINGUISHER (LOAD 7.2KG)



H₂O EXTINGUISHER (LOAD: 9L)
IN POLYCARBONATE ENCLOSURE (TYP.



END OF LINE RESISTANCE



FIRE ALARM CONTROL PANEL



MANUAL CALL POINT (RESETTABLE)



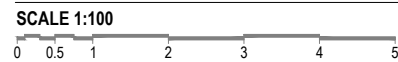
BEACON






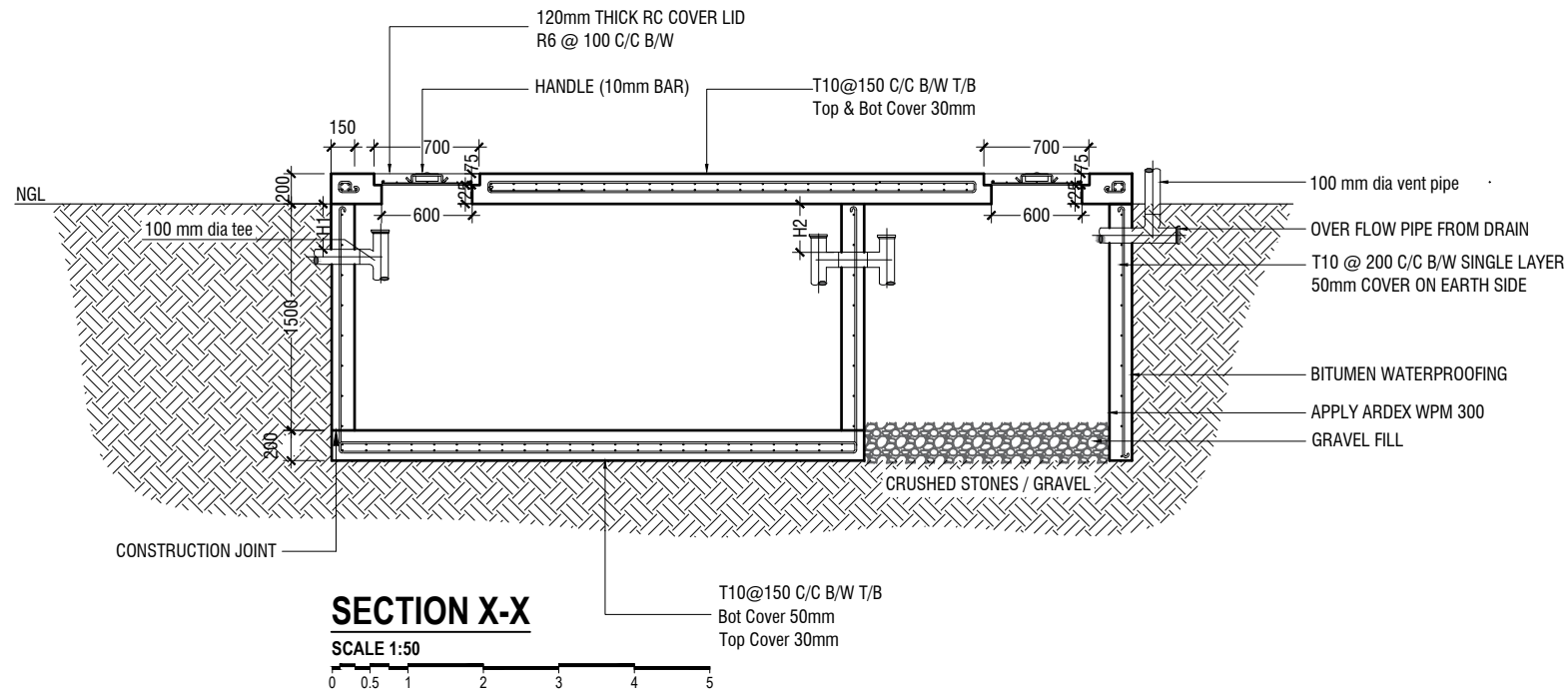
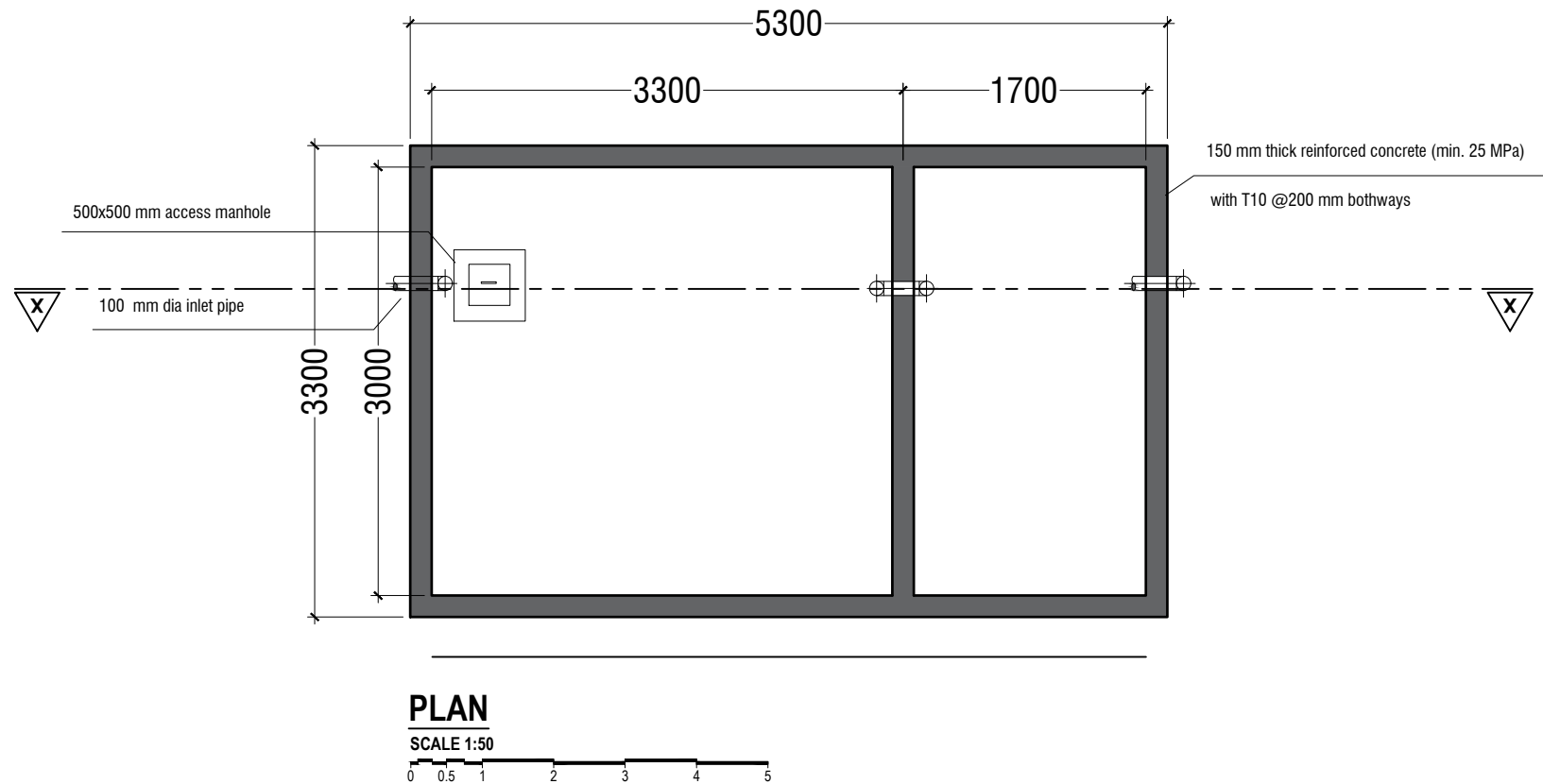
SOUNDER/BELL (85 DB)

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/BRACKET SHALL BE HOT DIPPED GALVANIZED TO 100MM
4. ALL FIRE EXTINGUISHER INSIDE CABINETS. (CABINET SHOULD BE PROVIDED)



 REFRIGERANT PIPES
 25 Ø CONDENSATE DRAIN PIPE
 CONDENSING UNIT



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

SEPTIC TANK DETAIL

SCALE 1:50



V.Fulidhoo AEC School Hall
Client: Ministry of Education

Project Number:	Rev no	Date
RI/2020/006	-	-
Date: July 2021	-	-
Architect : Maryam Irasha Shareef	-	-
Engineer : Mohamed Muththalib Waleed	-	-
Drawn by : Maryam Leevan Jaleel	-	-
Services : Aishath Ahmed	-	-
Interior : -	-	-



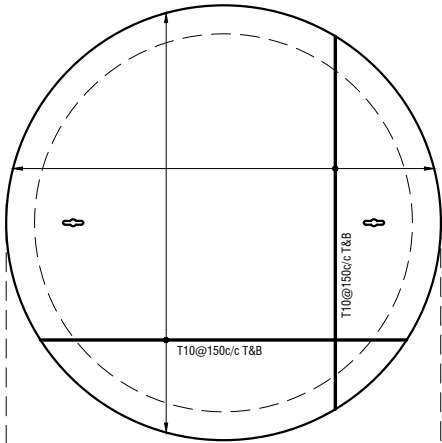
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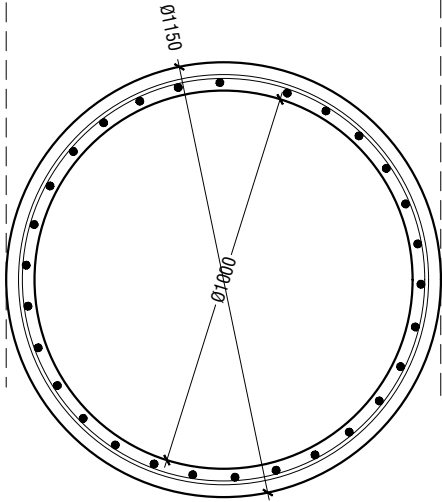
Title: Septic Tank Detail

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WATER TANK WALL TOP & BOTTOM SLAB



WATER TANK WALL REINF.

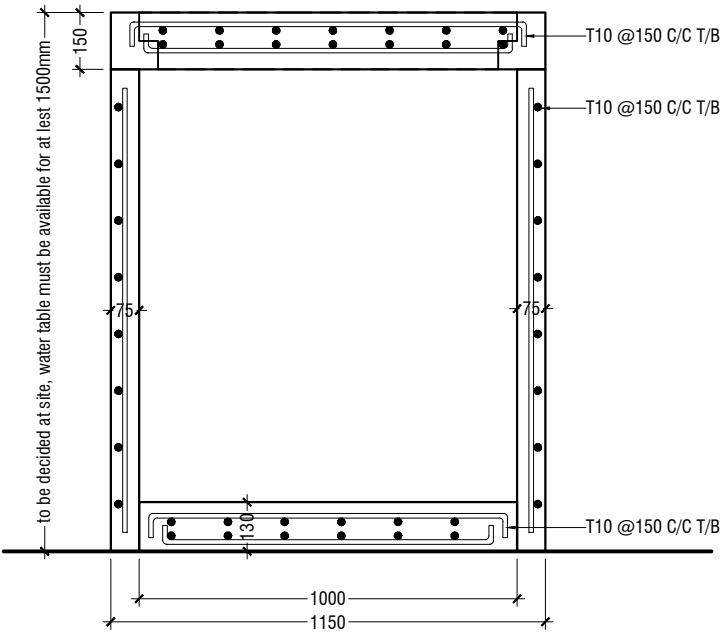


WATER TANK DETAILS

SCALE 1:20

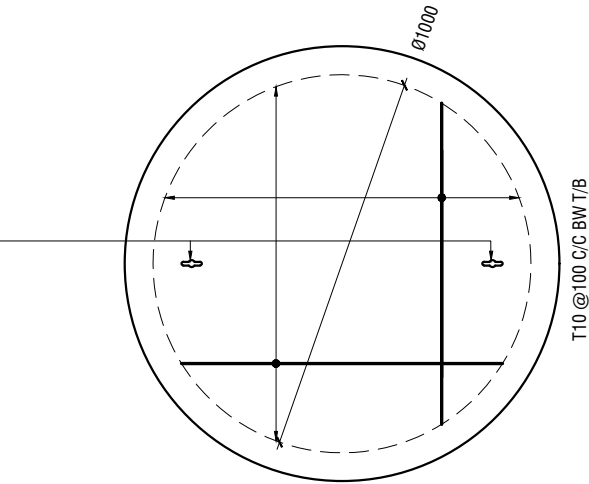


WATER TANK SECTION



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

PLAN



NOTE:

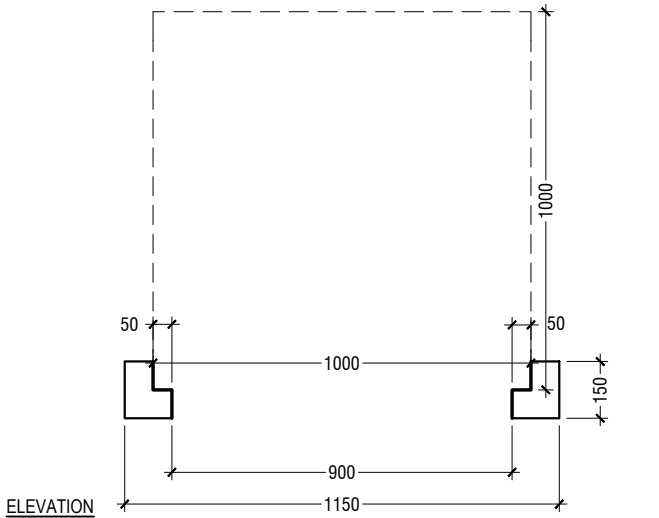
- ALL CONCRETE WORKS BELOW GROUND AND AT TERRACE LEVEL TO BE TREATED WITH 'SIKA' WATERPROOFING CHEMICAL OR EQUIVALENT
- PROVIDE PROVISION FOR WATER ENTRANCE THROUGH THE BASE

WATER TANK LID DETAILS

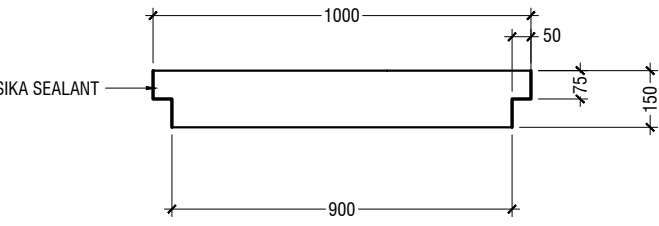
SCALE 1:20



ELEVATION



SECTION



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Title: Ground Water Well Detail

Page: Detail 02-02

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Client: Ministry of Education

Project Number: RI/2020/006

Date: July 2021

Architect: Mariyam Irasha Shareef

Engineer: Mohamed Muththalib Waleed

Drawn by: Mariyam Leevan Jaleel

Services: Aishath Ahmed

Interior: -

Rev no	Date
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