

Proposed Multipurpose Hall Building at AA.Himandhoo School

SERVICES DRAWINGS
Client: Ministry of Education

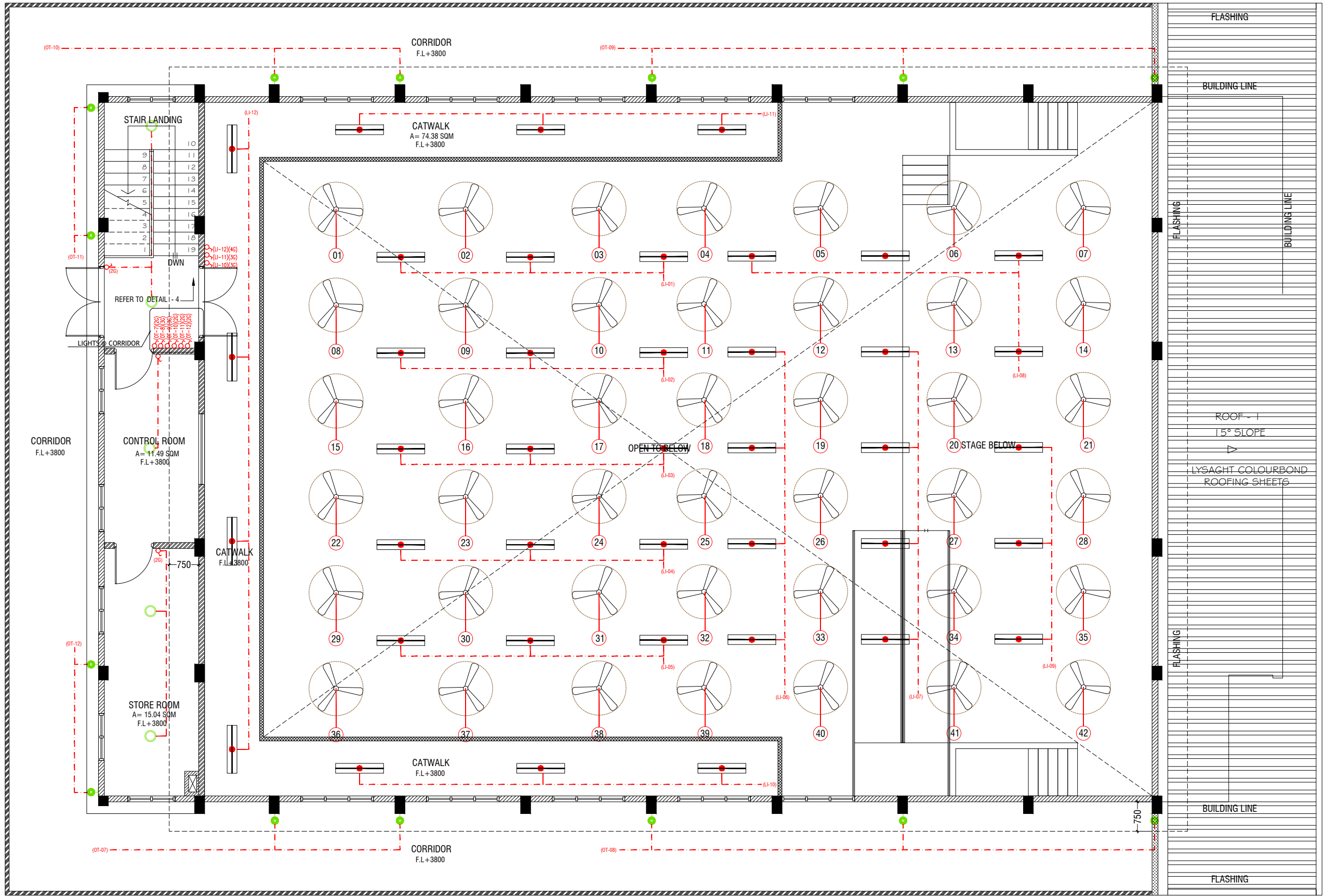


RIYAN PRIVATE LIMITED

t : +9603315049 f : +9603310776
e : info@riyan.com.mv
w : www.riyan.com.mv
3rd floor, H. Azum, Armeeneemagu, Male'

TABLE OF CONTENTS

DRAWING No.	TITLE	REVISION No.	DATE	REMARKS
S E R V I C E S		---	---	---
EL - 01 / 02	GROUND FLOOR LIGHTING LAYOUT	---	---	---
EL - 02 / 02	1ST FLOOR LIGHTING LAYOUT	---	---	---
EP - 01 / 02	GROUND FLOOR POWER LAYOUT	---	---	---
EP - 02 / 02	1ST FLOOR POWER LAYOUT	---	---	---
DR - 01 /04	GROUND FLOOR PLUMBING & DRAINAGE LAYOUT	---	---	---
DR - 02 /04	1ST FLOOR DRAINAGE LAYOUT	---	---	---
DR - 03 /04	ROOF PLAN -1 DRAINAGE LAYOUT	---	---	---
DR - 04 /04	ROOF PLAN -2 DRAINAGE LAYOUT	---	---	---
FDP - 01 / 02	GROUND FLOOR FDP LAYOUT	---	---	---
FDP - 02 / 02	1ST FLOOR FDP LAYOUT	---	---	---
DETAIL - 01 / 01	GROUND WATER WELL DETAIL	---	---	---



FIRST FLOOR LIGHTING LAYOUT

SCALE 1:100



LEGEND

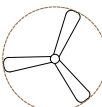


4 x 55W PLL Lamps
(Wire guard, Polycarbonate diffuser, Emergency and dimming versions)

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"

AA-Himandhoo School Hall
Client: Ministry of Education

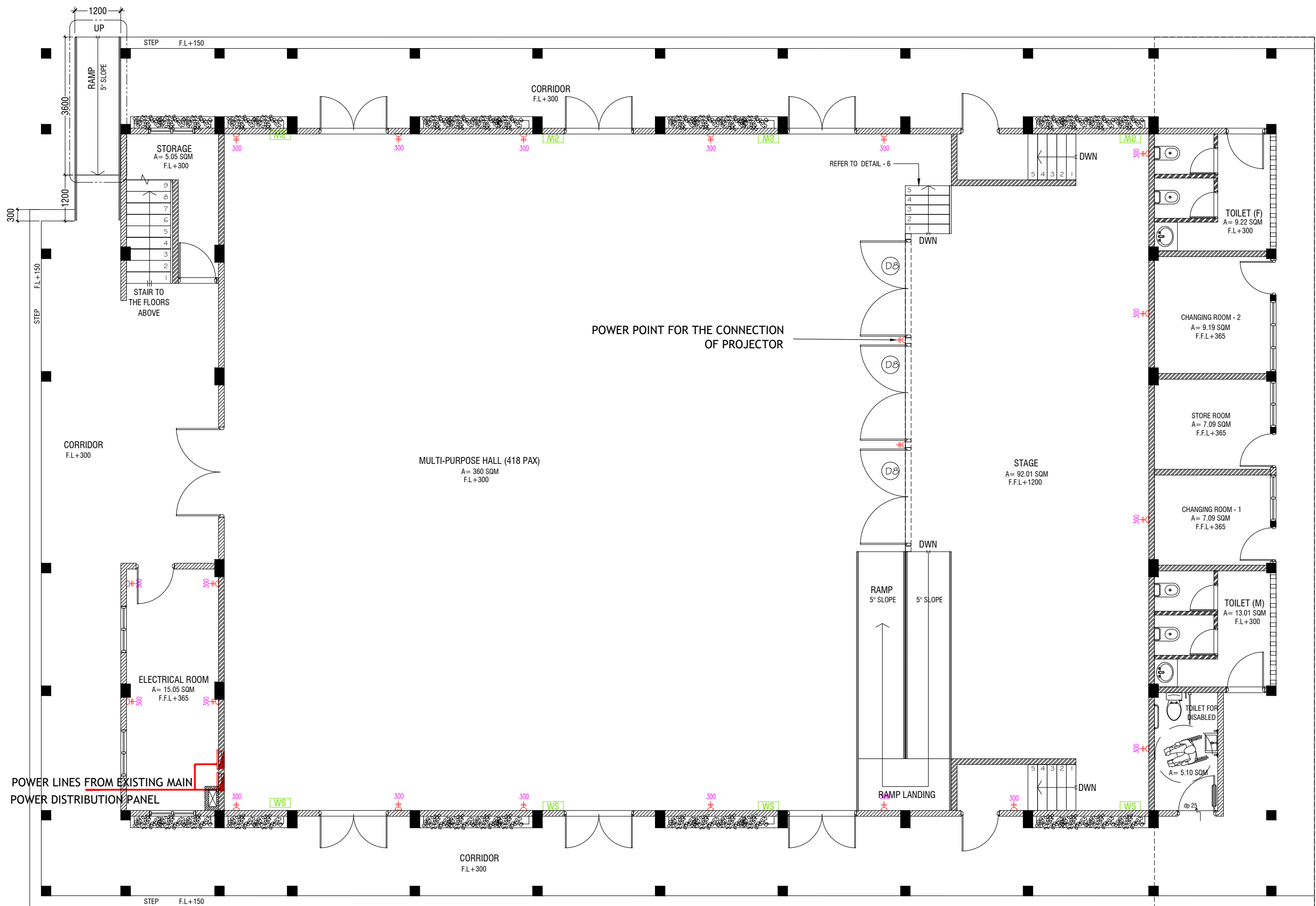
Project Number: R/2020/006
Date: March 2021
Architect: Maniyam Indira Shanmugam
Interior Designer: Maniyam Leelan Jaleel
Drawn by: Maniyam Leelan Jaleel
Services: Aluthi Ahmed
Interior :-



RYAN PRIVATE LIMITED
1: +9653315049 F: +9653310776
E: info@ryan.com.nv
W: www.ryan.com.nv
2nd Floor, H. Acuri, Ammanemangudi, Madurai

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

The contents of these drawings remain as a property of Ryan Private Limited. Any use other than those expressly stated is a violation of this copyright.



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

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 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

AA-Himandhoo School Hall
Client: Ministry of Education

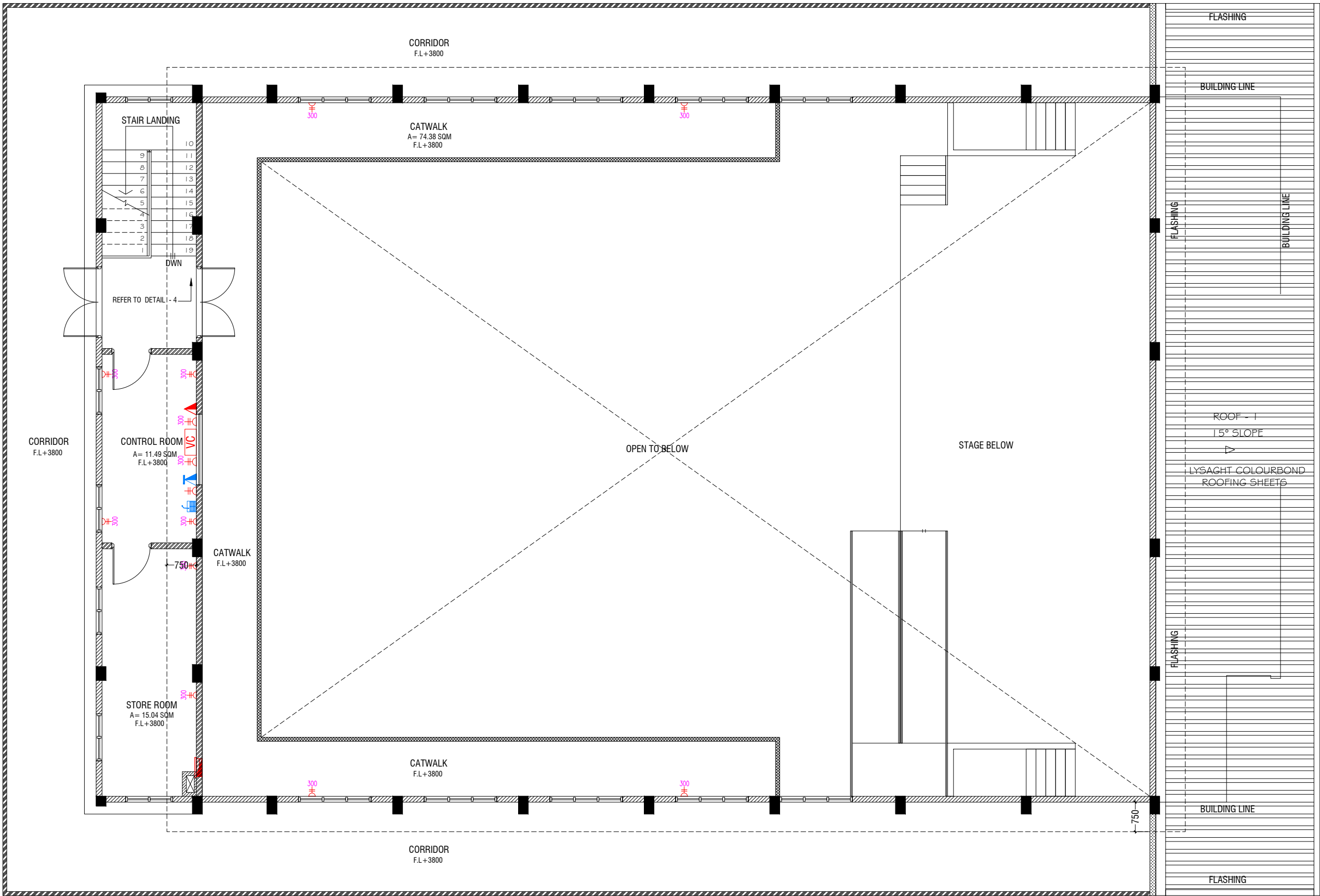
Project Number: 16/2020/006
Date: March 2021
Architect: Maniyam Leeyan Jaleel
Designer: Maniyam Leeyan Jaleel
Services: Alubatt Ahmed
Interior: -



RYAN PRIVATE LIMITED
1: +9653315040 F: +9653310776
E: info@ryan.com.om
W: www.ryan.com.om
3rd Floor, H. Al-Ain, Al-Musalla, Muscat

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











The contents of these drawings remain as a property of Ryan Private Limited. Any use other than those expressly stated is a violation of this copyright.



FIRST FLOOR POWER LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

-  PUBLIC ADDRESS SYSTEM
-  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
-  WALL SPEAKERS AT CEILING LEVEL
-  VOLUME CONTROLLER

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 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

AA-Himandhoo School Hall
Client: Ministry of Education

Project Number: R/2020/006
Date: March 2021
Architect: Manjiv Tanna Shinde
Interior Designer: Manjiv Tanna Shinde
Drawn by: Manjiv Tanna Shinde
Services: Manjiv Tanna Shinde
Interior: -

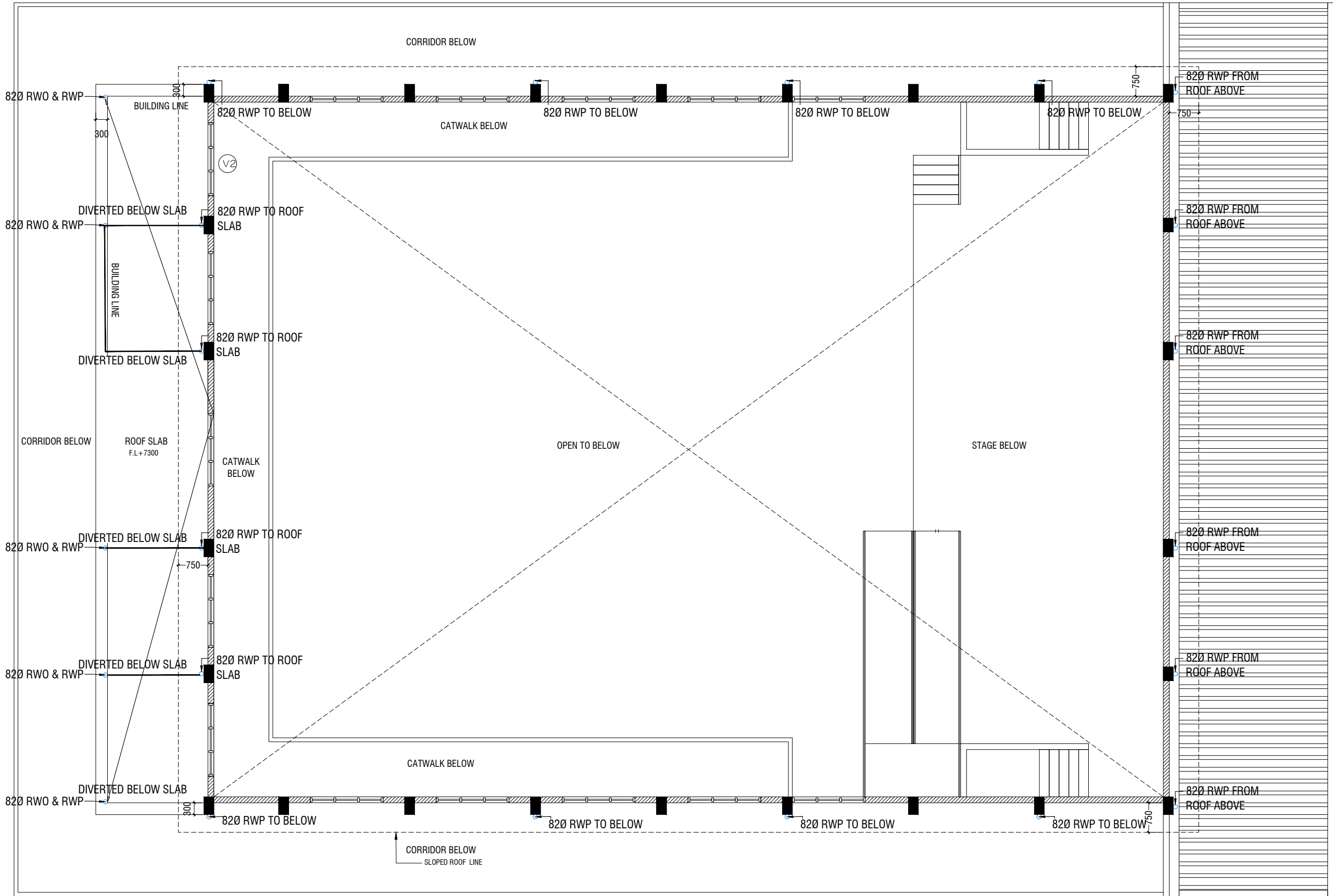
RYAN PRIVATE LIMITED
1: +963310540 F: +963310776
E: info@ryan.com.np
W: www.ryan.com.np
2nd Floor, H. Aarti, Annapurna Marg, Kathmandu

Title: 1st Floor
Power Layout
Page: EP - 02/02

The contents of these drawings remain as a property of Ryan Private Limited. Any use other than those expressly stated is a violation of this copyright.



Page: DR - 01/04



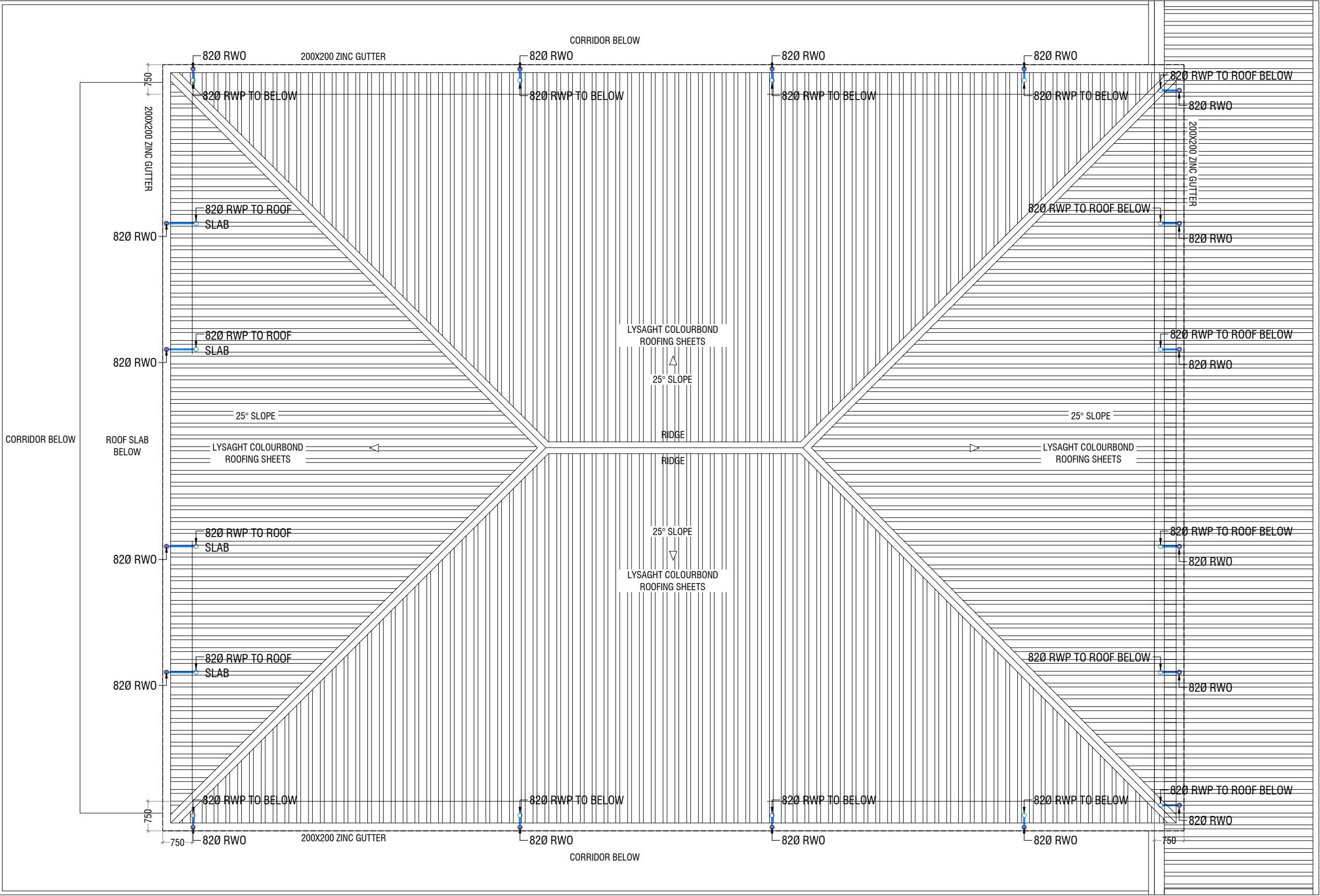
ROOF PLAN - 1 DRAINAGE LAYOUT

SCALE 1:100



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

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



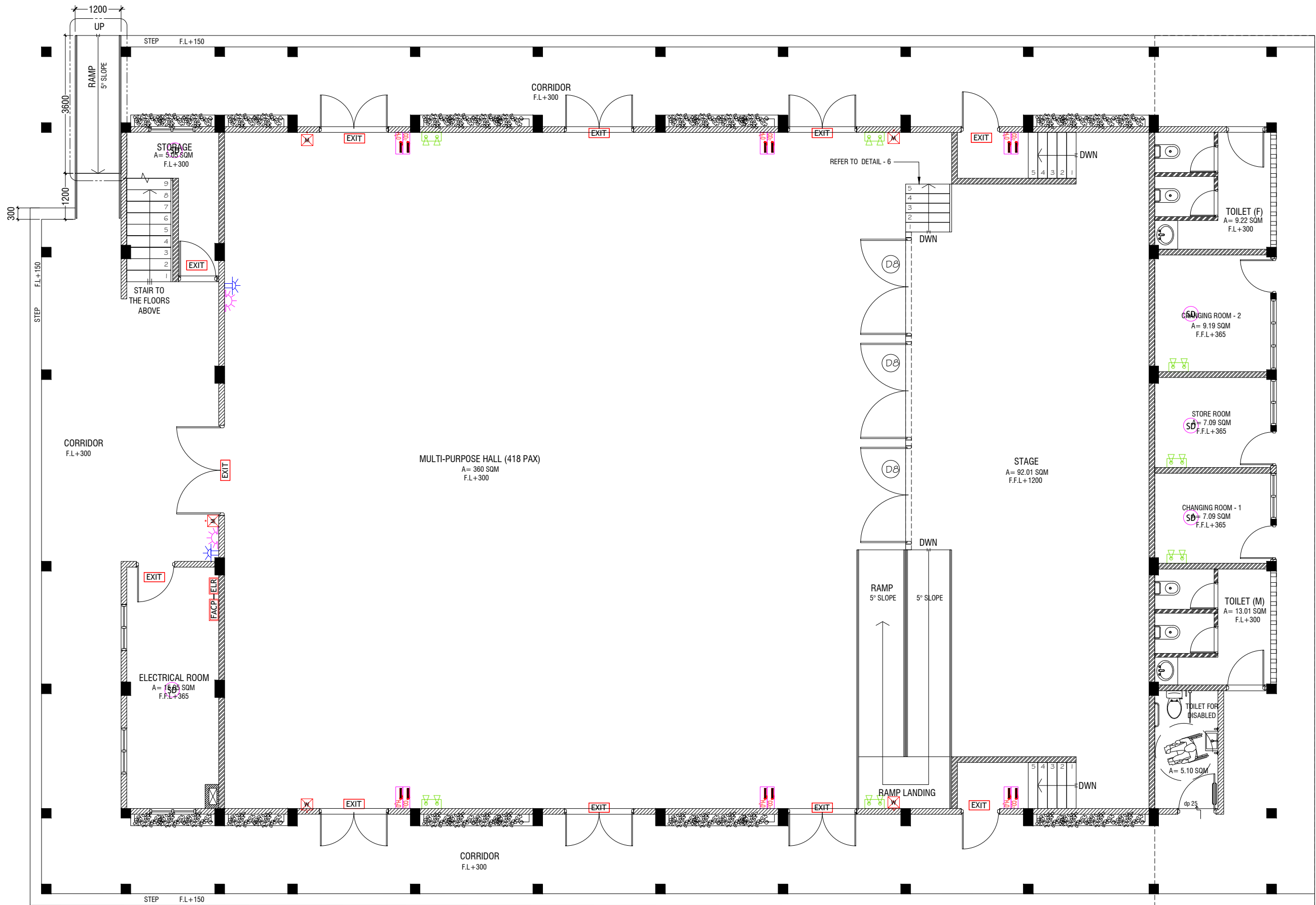
ROOF PLAN - 2 DRAINAGE LAYOUT

SCALE 1:100

0 0.5 1 2 3 4 5

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

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



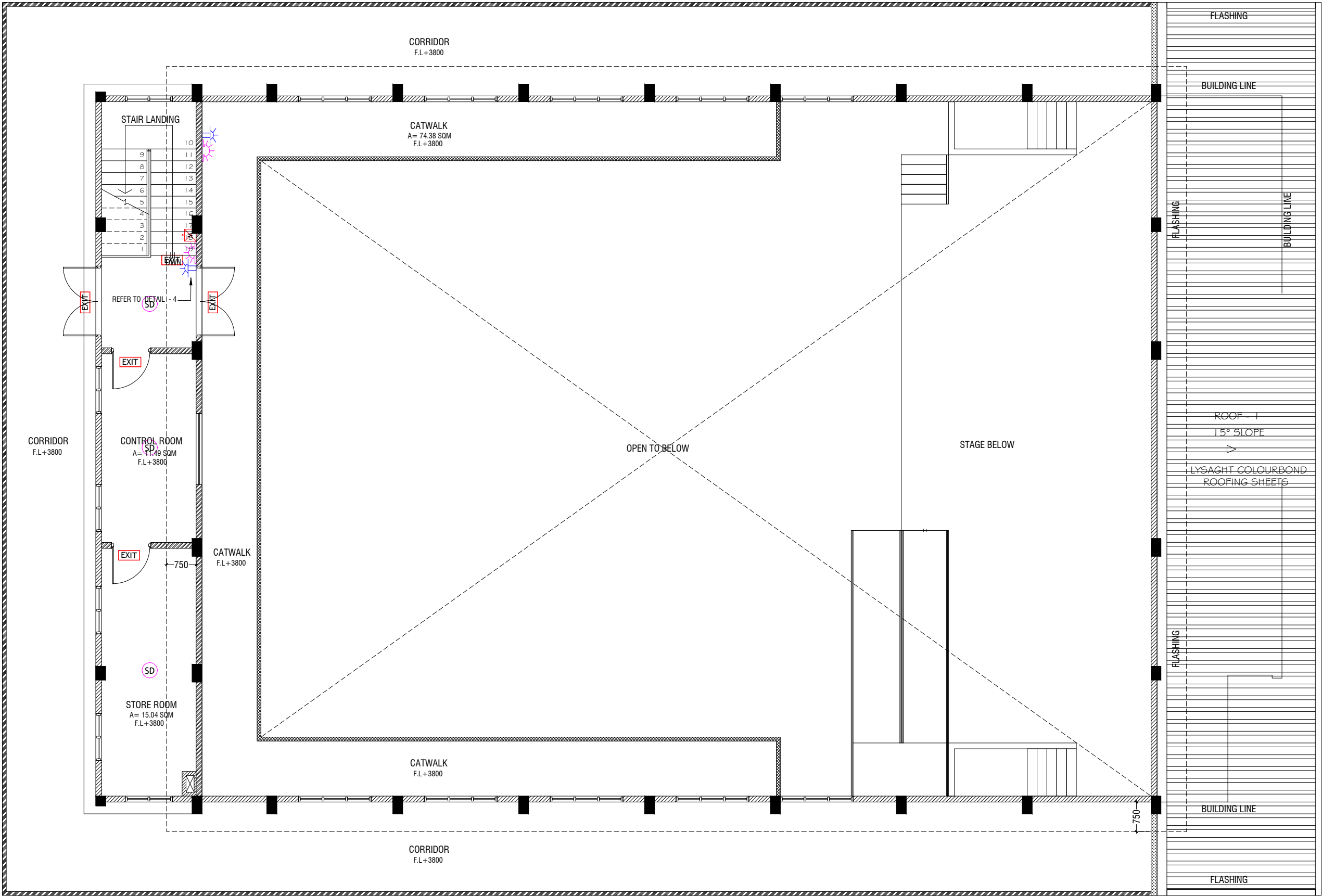
GROUND FLOOR FDP LAYOUT

SCALE 1:100



- LEGEND
- | | | | |
|--|--|--|--------------------------------|
| | SMOKE DETECTOR | | END OF LINE RESISTANCE |
| | HEAT DETECTOR | | FIRE ALARM CONTROL PANEL |
| | EXIT SIGN | | MANUAL CALL POINT (RESETTABLE) |
| | EMERGENCY LIGHT | | BEACON |
| | CO ₂ EXTINGUISHER (LOAD: 2KG) IN POLYCARBONATE ENCLOSURE (TYP.) | | SOUNDER BELL (85 DB) |
| | WET CHEMICAL FIRE EXTINGUISHER (LOAD 7.2KG) | | |
| | H ₂ O EXTINGUISHER (LOAD: 9L) IN POLYCARBONATE ENCLOSURE (TYP.) | | |

- 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)



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

AA-Himandhoo School Hall
Client: Ministry of Education

Rev no	Date
01	16/02/2020
02	16/02/2020
03	16/02/2020
04	16/02/2020
05	16/02/2020
06	16/02/2020
07	16/02/2020
08	16/02/2020
09	16/02/2020
10	16/02/2020

Project Number: 16/02/2020/006
Architect: Manjiv Tanna Shinde
Date: March 2021
Drawn by: Manjiv Tanna Shinde
Services: Alkhatir Ahmed
Interior :-

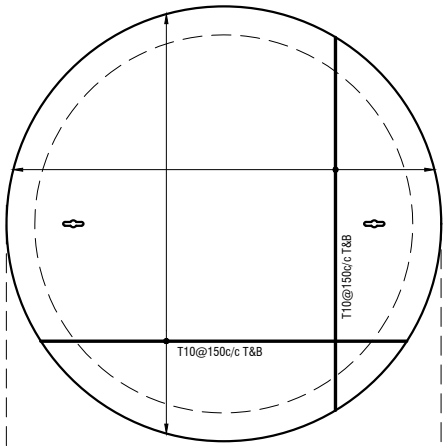


RYAN PRIVATE LIMITED
1: +9653315049 F: +9653315076
E: info@ryan.com.nv
W: www.ryan.com.nv
3rd Floor, H. Alcorn, Amman, Jordan

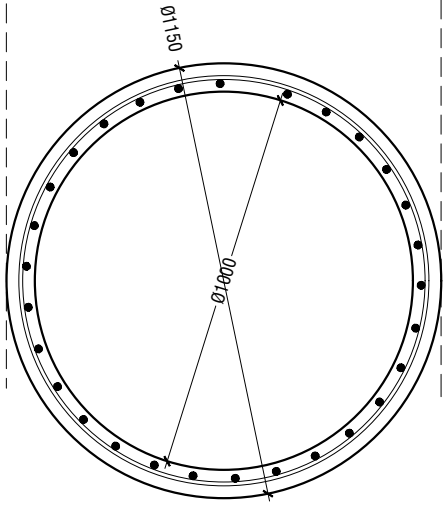
Title: 1st Floor FDP Layout
Page:FDP - 02/02

The contents of these drawings remain as a property of Ryan Private Limited. Any use other than those expressly stated is a violation of this copyright.

WATER TANK WALL TOP & BOTTOM SLAB



WATER TANK WALL REINF.

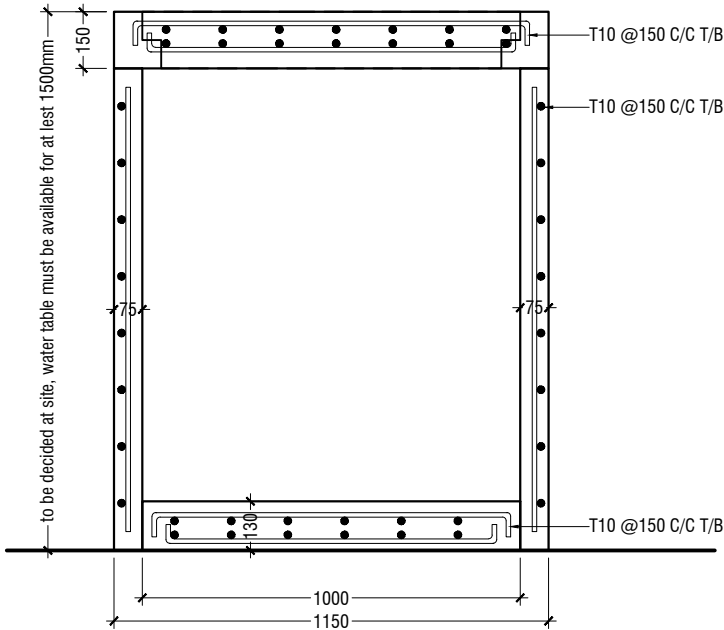


WATER TANK DETAILS

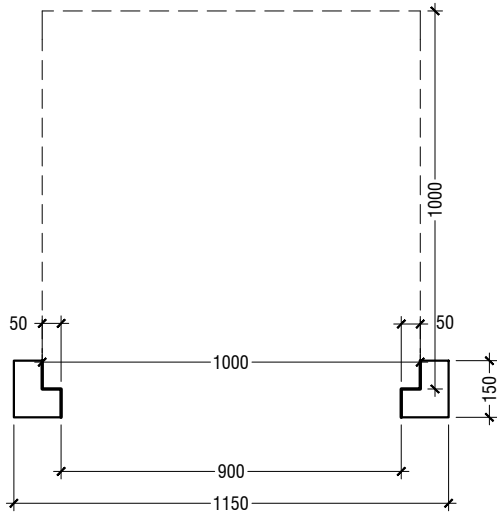
SCALE 1:20



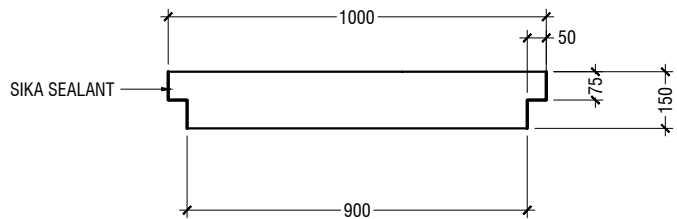
WATER TANK SECTION



ELEVATION

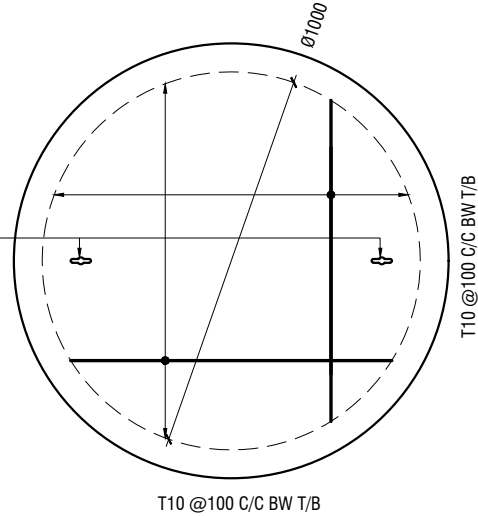


SECTION



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



AA-Himandhoo School Hall
Client: Ministry of Education

Project Number: R/2020/006
Date: March 2021
Architect: Maniyam Leelan
Drawn by: Maniyam Leelan
Services: Aulabh Ahmed
Interior :-



RIYAN PRIVATE LIMITED
T: +9653315049 F: +96533150776
E: info@riyan.com.om
W: www.riyan.com.om
3rd Floor, H. Alcorn, Almarina, Muscat, Oman

Title: Ground Water Well
Detail

Page: D - 01/01

The contents of these drawings remain as a property of Riyan Private Limited. Any use other than those expressly stated is a violation of this copyright.