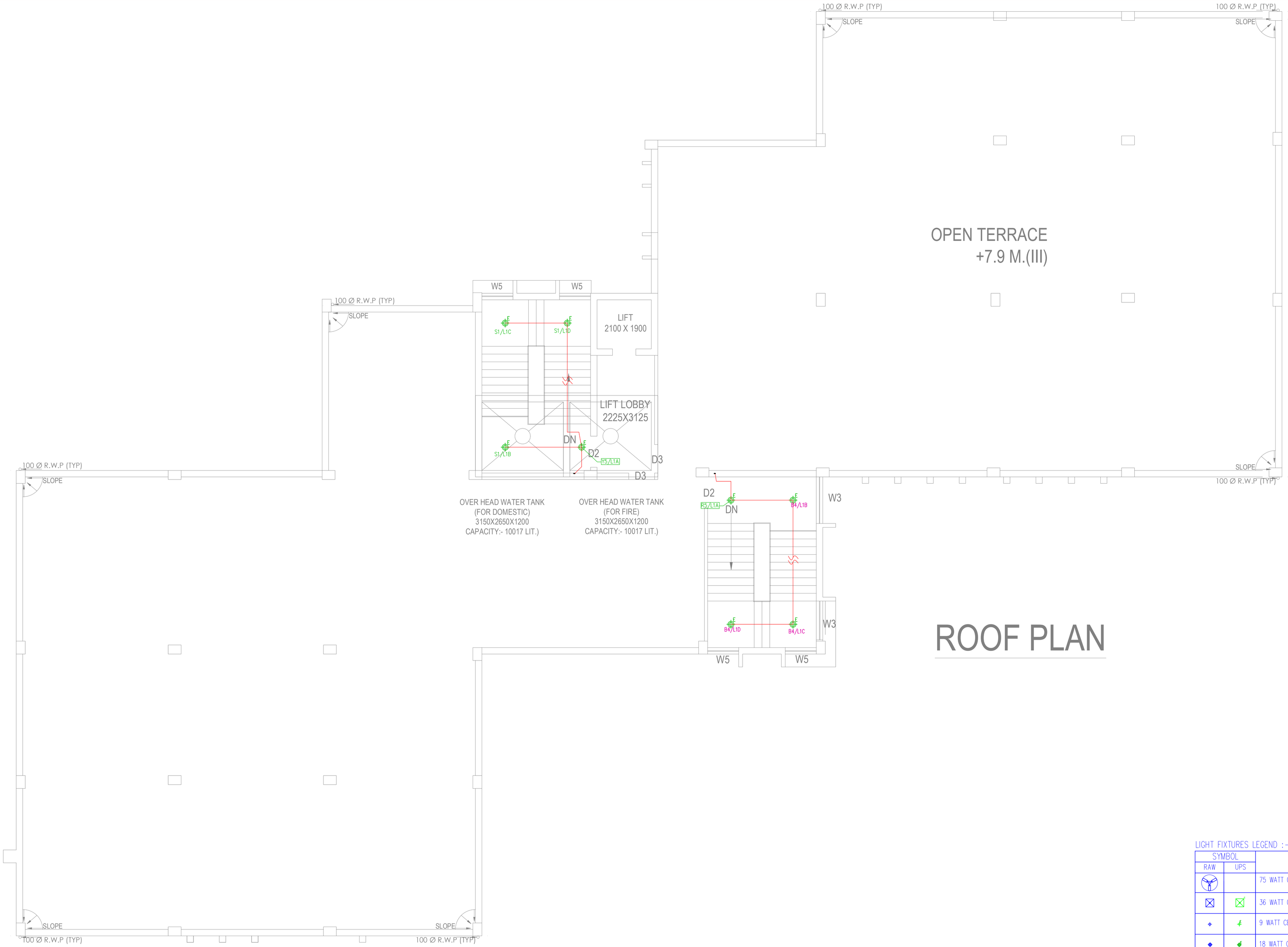
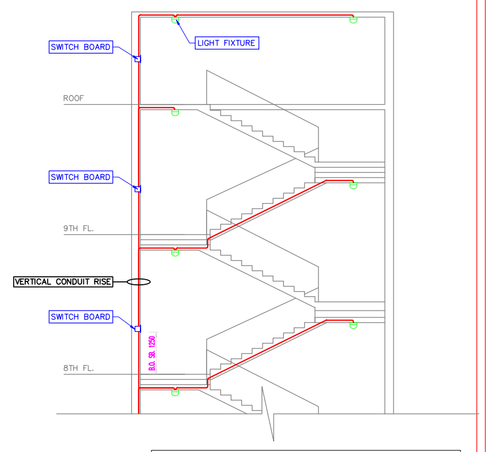
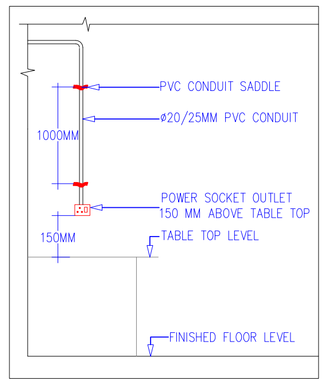


ROOF PLAN

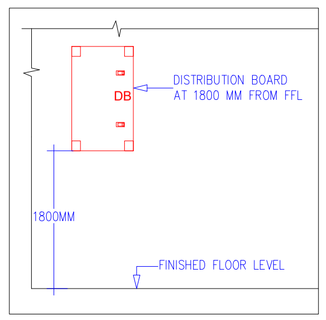
GENERAL NOTES FOR ELECTRICAL WIRING :

1. PRIMARY CIRCUITS FOR LIGHTING (DB TO SB) SHALL BE OF 2 RUNS OF 2.5SQMM Cu. (PHASE & NEUTRAL) +1RUN OF 2.5SQMM FOR EARTH. EARTH WIRE SHALL BE OF GREEN COLOUR. DB TO SWITCH BOX ARE PRIMARY CIRCUITS & SWITCH BOXES TO VARIOUS POINTS ARE SECONDARY CIRCUITS.
2. SWITCH BOARD TO ALL POINT (LIGHT/FAN/CALL BELL ETC.) SHALL BE OF 3x2.5 SQ.MM. Cu. WIRE.
3. LIGHTING CIRCUITS FROM DB TO SWITCHBOX SHALL BE INDEPENDANT AND SHALL NOT BE ROUTED THROUGH POINTS. FOR POINT WIRING SEPERATE CONDUIT PIPE FROM SWITCHBOX TO VARIOUS POINTS TO BE TAKEN.
4. EARTH CONTINUOUS WIRE SHALL BE OF 2.5SQ.MM Cu. FOR PRIMARY CIRCUITS AND SECONDARY WIRING. ALL POINTS SHALL HAVE ONE EARTH WIRE AND SHALL BE INDEPENDANT FOR EACH CIRCUIT.
5. POWER WIRING TO 16A OUTLETS SHALL BE INDEPENDANT AND SHALL BE TAKEN THROUGH SEPERATE PIPE. THE WIRING SIZE SHALL BE 2RUNS, 4SQ.MM. Cu. + 1RUN 4SQ.MM. Cu.FOR EARTH.
6. ALL CONDUIT PIPES SHALL BE OF HEAVY DUTY PIPES / AS PER BOQ.
7. THE LIGHT FITTING SHOWN ON WALL TO BE MOUNTED AT 2400MM OR AS PER ARCHITECT INSTRUCTION.
8. FOR CONDUIT AND WIRING SIZE FOR LDB & PDB'S REFER RESPECTIVE SCHEMATIC DIAGRAM.
9. CEILING FANS SHALL HAVE INDEPENDANT CONTROL. NOT SHOWN IN THE LAYOUT FOR CLARITY.
10. ROUTING OF CONDUIT PIPES, ESPECIALLY IN STAIRCASE AREAS, TOILET AREAS ARE TO BE ROUTED TO SUIT SITE CONDITION TO AVOID SUNKEN FLOORS,ETC.
11. THE FINAL LOAD BALANCING IN RESPECTIVE DB TO BE CARRIEDOUT BEFORE ENERGISATION.
12. CONDUIT PIPES MEANT FOR MAINS & SUB-MAINS EXCEEDS MORE THAN 10-12Mts., THE CONDUIT PIPES ARE TO BE NEGOTIATED THROUGH JBG (JUNCTION BOX GENERAL)CONCEALED IN WALL TO SUIT SITE CONDITION.
13. DIALUX CALCULATION SHEET SHALE BE SUBMITTED FOR ILLUMINATION DESIGN FINALIZATION. LIGHTING LAYOUT SHALL BE SUBJECT TO THE FINAL ILLUMINATION LEVEL AS PER DIALUX.
14. BOTH SIDE FERRULING AT EACH POINT / SUB-CIRCUIT SHALL BE MENTIONED

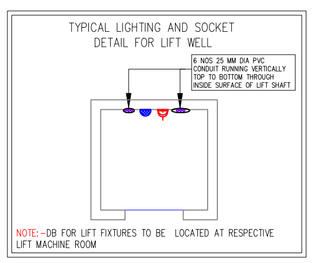


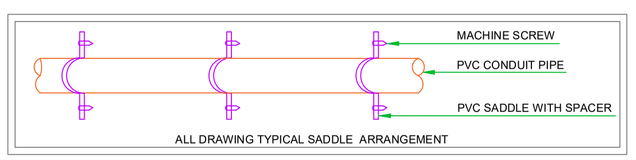


TYPICAL INSTALLATION DETAILS FOR MODULAR BOX SOCKET ABOVE TABLE TOP



TYPICAL INSTALLATION DETAILS FOR DISTRIBUTION BOARD





CONDUIT LEGEND

SYMBOL	DESCRIPTION
	20MM DIA PVC CONDUIT (RAW) FOR SB TO SB LOOP/SB TO DB CKT WIRING
	20MM DIA PVC CONDUIT (RAW) FOR POINT WIRING
	20MM DIA PVC CONDUIT (UPS) FOR SB TO SB LOOP/SB TO DB CKT WIRING
	20MM DIA PVC CONDUIT (UPS) FOR POINT WIRING

GENERAL ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	TPN DB (NORMAL)
	TPN DB (UPS)
	SPN DB (NORMAL)
	SPN DB (UPS)

LIGHT FIXTURES LEGEND :-

SYMBOL RAW	SYMBOL UPS	DESCRIPTION
		75 WATT CELLING FAN
		36 WATT CELLING LIGHT
		9 WATT CELLING LIGHT
		18 WATT CELLING LIGHT
		20WATT TUBE LIGHT
		12 WATT CELLING LIGHT
		5 WATT CELLING LIGHT
		20 WATT BRACKET LIGHT
		60 WATT BRACKET FAN
		SWITCH BOARD WITHOUT SOCKET AT +1250 FROM FFL

REV. NO.	DESCRIPTION	DATE
04		
03		
02		
01		

REVISIONS

DATE	29.08.2025
DRAWN	AP
CHECKED	SD
APPRD.	JD
JOB NO	468
SCALE	1:75
STATUS	DESIGN

DRAWING TITLE:
ELECTRICAL LIGHTING LAYOUT FOR ROOF

Drawing No.
SAN /468/ELE/LIG-11

REV.	SHEET NO.	SHEET SIZE
R1	1/1	A1

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PROJECT :
PROPOSED TWO STORIED AO & RBO AND THREE STORIED SBILD BANK'S BUILDING OF STATE BANK OF INDIA AT MAHATMA GANDHI AVENUE, KHATIAN NO-441, L.R PLOT NO-18(P), C.S PLOT NO:-272(P), 340(P), 341(P), 342(P), 343, 344, 345(P), 346, 347, 348, 349, 350(P), 352, 353(P), 354(P), 355(P), 356(P), 357(P), 501(P), OF MOUZA -FARIDPUR, P.S -DURGAPUR, J.L NO-74, DIST-PASCHIM BARDHAMAN, WEST BENGAL, PIN-713216.

CLIENT :
STATE BANK OF INDIA