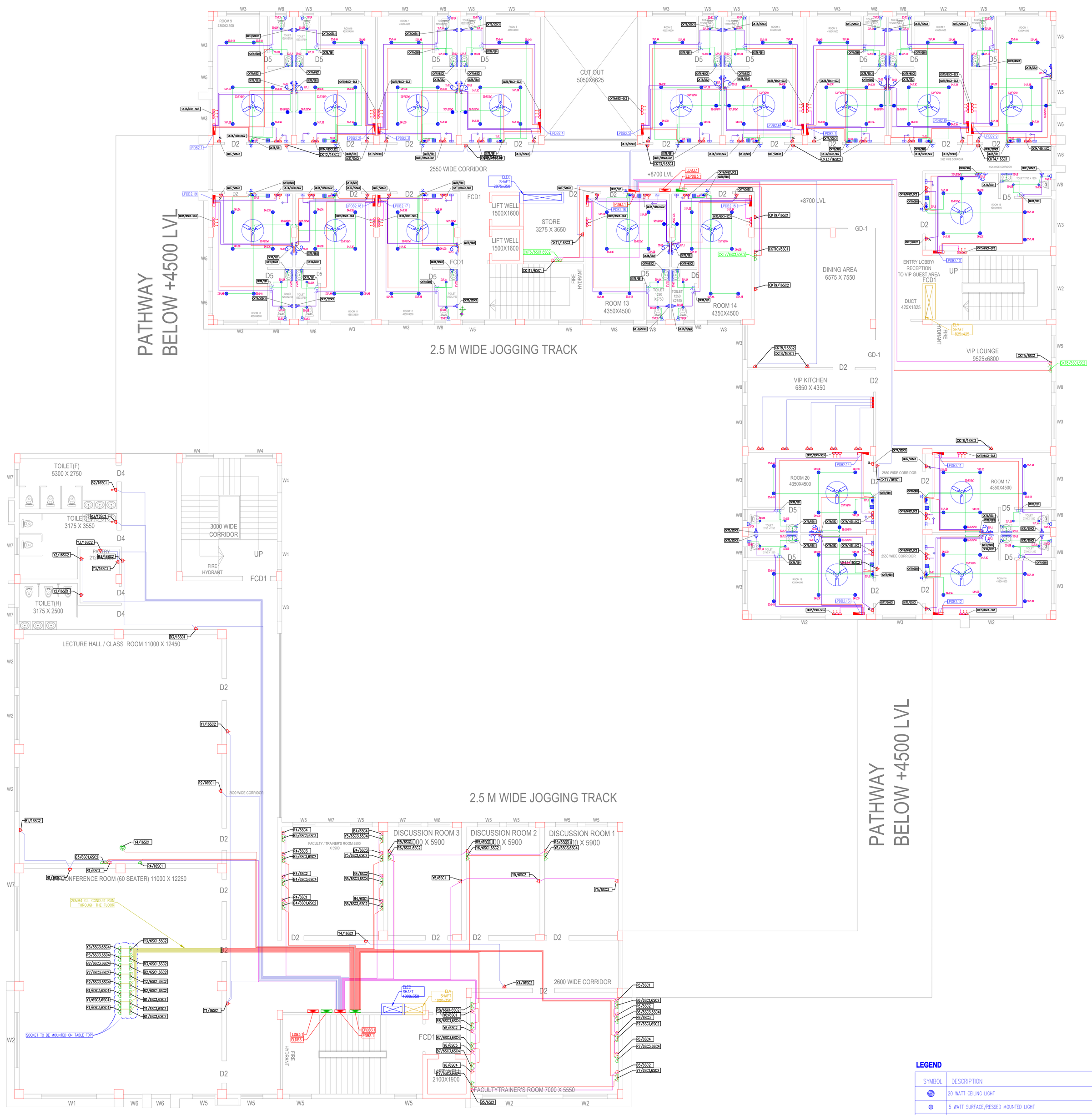
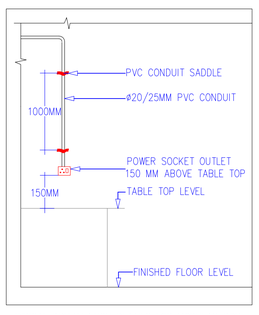


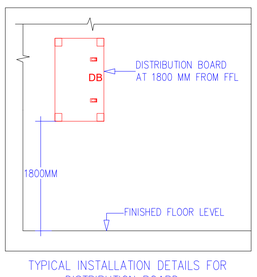
2ND. FLOOR PLAN
SBILD(ADMINISTRATIVE BLOCK)
(BLOCK-B)



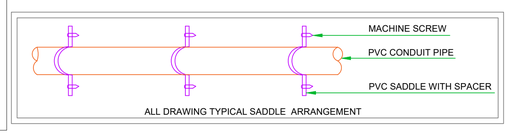
TYPICAL INSTALLATION DETAILS FOR MODULAR BOX SOCKET ABOVE TABLE TOP

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 SIZE FERRULING AT EACH POINT / SUB-CIRCUIT SHALL BE MENTIONED



TYPICAL INSTALLATION DETAILS FOR DISTRIBUTION BOARD

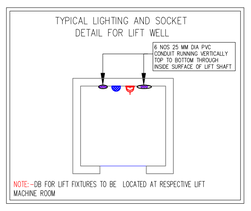


ELECTRICAL POWER FIXTURE LEGEND		
SYMBOL		DESCRIPTION
RAW	UPS	
		6/16A SOCKET AT +450MM FROM FFL
		6/16A SOCKET CEILING MOUNTED
		6/16A SOCKET FOR HAND DRYER
		6A SOCKET FOR UTILITY AT +450MM FROM FFL

GENERAL ELECTRICAL LEGEND

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

TYPICAL LIGHTING AND SOCKET DETAIL FOR LIFT WELL



CONDUIT LEGEND

SYMBOL	DESCRIPTION
	20MM PVC CONDUIT FOR POWER (RAW)
	25MM PVC CONDUIT FOR POWER (RAW)
	20MM PVC CONDUIT FOR POWER (UPS)
	25MM PVC CONDUIT FOR POWER (UPS)

LEGEND

SYMBOL	DESCRIPTION
	20 WATT CEILING LIGHT
	5 WATT SURFACE/RESSED MOUNTED LIGHT
	20WATT WALL BRACKET LIGHT
	READING LIGHT(AT 1200MM HT.)
	CEILING FAN WITH 1200 MM SWEEP
	FOOT LAMP AT 150 MM HEIGHT
	10WATT MIRROR LIGHT AT +150MM FROM MIRROR
	6AMP SOCKET AT +150MM FROM TABLE TOP
	MASTER CONTROL SWITCH AT 550 MM HT.
	6/16AMP SOCKET AT +150MM FROM TABLE TOP
	6AMP SOCKET FOR EXHUAST FAN AT +150MM FROM LINTEL
	INTERNATIONAL PLUG POINT FOR SHAVING PURPOSE AT 1200 MM HEIGHT
	6AMP SOCKET FOR TV AT +150MM FROM TV CABINET
	6/16 AMP. PLUG PT. FOR MINIBAR AT 450 MM HEIGHT
	6/16 AMP. PLUG PT. FOR ELECTRIC. KETTLE AT 850 MM HEIGHT
	20A AC SOCKET AT +450MM FROM LINTEL LVL
	CARD HOLDER ABOVE SWITCH BOARD
	BUZZER AT +150MM FROM LINTEL LVL
	16 AMP. PLUG PT. FOR GEYSER (ABOVE FALSE CEILING)
	GEYSER SWITCH
	CIRCULAR BOX AT CEILING FOR THERMOSTAT WIRE CONNECTION
	A.C. THERMOSTAT AT 1200 MM HT.
	SWITCH BOARD WITHOUT SOCKET AT+1250MM FROM FFL OR AT +150MM FROM TABLE TOP
	SWITCH BOARD WITH 6A SOCKET AT+1250MM FROM FFL OR AT +150MM FROM TABLE TOP
	CALLING BELL SWITCH at 1050MM HT.
	FLEXI. DB (ABOVE FALSE CEILING)

REV. NO.	DESCRIPTION	DATE
04		
03		
02		
01	CHANGES AS PER CLIENT REQUIREMENT	23.09.2025

REVISIONS

DATE	28.08.2025
DRAWN	SB,AP,SM
CHECKED	SD
APPRD.	JD
JOB NO	468
SCALE	1:75
STATUS	DESIGN

DRAWING TITLE: ELECTRICAL POWER LAYOUT FOR 2ND FLOOR (BLOCK-B & C)

Drawing No. SAN /468/ELE/PWR-04

REV.	SHEET NO.	SHEET SIZE
R1	1/1	A0

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