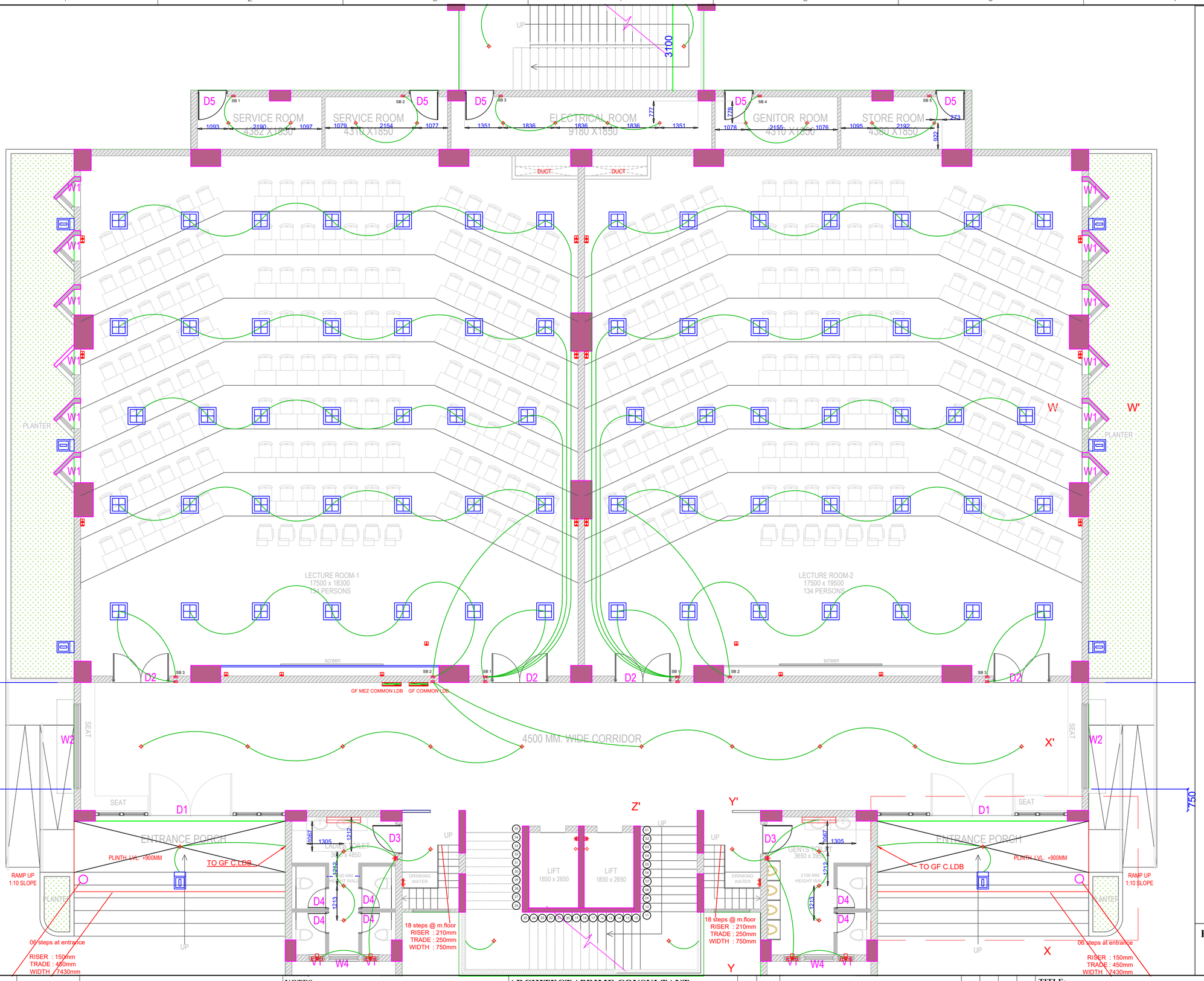

ELECTRICAL LEGEND

SYMBOLS		DESCRIPTION
	(FL)	FLOOD LIGHT POINT
	(CL)	36W LED CEILING LIGHT POINT
	(HB)	HIGH BAY LIGHT POINT
	CL	CEILING LIGHT POINT
	BL	BRACKET LIGHT POINT
	P	6A UNIVERAL PLUG POINT WITH 6A SWITCH
	PP	6A/16A PLUG POINT WITH 16A SWITCH
	GPP	16A PLUG POINT WITH 16A SWITCH
		40W LED TUBE LIGHT (BICOPE 40W LED)
	F	CEILING FAN POINT WITH HOOK
	CAT-6	CAT-6 DATA POINT
	EF	EXHAUST FAN POINT WITH PLUG SOCKET
	SB	SWITCH BOARD
		ELECTRICAL CUTOUT
	VDP	VIDEO DOOR PHONE/MONITOR SCREEN
		TV POINT
	BP	BELL PUSH SWITCH
	BZ	BELL BUZZER
	WL	WALL LIGHT
	WTBL	WATER TIGHT BRACKET LIGHT
	WTPP	WATER TIGHT PLUG POINT
		ELECTRICAL CONTROL WIRE
		CONNECTOR FOR AC POWER
		25MM Ø MMS PVC PIPE FOR ELECTRICAL IN SLAB / FALSE CEILING
		25MM Ø MMS PVC PIPE FOR IN FLOOR (ELV)
		Wi-Fi ACCESS POINT
		Manual Call Point
		Control Module
		Sounder

ELECTRICAL SP LEGEND

		ELECTRICAL PANEL
	LP.DB	LIGHTING & POWER DISTRIBUTION BOARD
	AT.DB	AUTOMATION DISTRIBUTION BOARD
		WALL MOUNT NETWORK RACK
		ELECTRICAL CABLE TRAY
		LOW VOLTAGE CABLE TRAY
		32mmØ HMS PVC PIPE FOR ELECTRICAL CABLE
		25mmØ HMS PVC PIPE FOR LOW VOLTAGE SYSTEMS CABLE
	ES	EARTHING STATION [CHEMICAL TYPE]
		EARTHING STRIP / WIRE [Cu./GI]
		WTMH WATER TIGHT MANHOLE FOR ELECTRICAL, LOW VOLTAGE CABLES E/WTMH-C SIZE: 450x450x600 DEEP [KEEP MINIMUM 15 TO 20 METER DISTANCE BETWEEN TWO MANHOLE]
		175mm OD / 145mm ID DWC PIPE FOR ELECTRICAL CABLE
		90mm OD / 76mm ID DWC PIPE FOR LOW VOLTAGE CABLE [ALL DWC PIPES LAYING IN BELOW GROUND @-1000 LVL. FFL/GL]

ELV LEGENDS

	WALL MOUNT SPEAKER @+2100MM FRM FFL
	CEILING MOUNTED SPEAKER (WITH BACK BOX)
	CEILING MOUNTED Wi-Fi ACCESS POINT
	IP IR CEILING DOME CAMERA
	IP IR BULLET CAMERA @+2400MM FRM FFL
	CURTAIN CONTROL MOTOR
	EXPANDER FOR INTRUSION SYSTEM
	DROP BOLT LOCK
(SD)	SMOKE DETECTOR

ELV CONDUITS & CABLES DETAILS LEGENDS

25MM DIA PVC HMS/MMS SLAB/CEILING CONDUIT FOR PA SYSTEM WITH 2CORE X 1.5 SQMM FRLS FLEXIBLE CABLE IN ZONE
25MM DIA PVC HMS/MMS SLAB/CEILING CONDUIT FOR CCTV, WI-FI, EXPANDER, WITH MAX 3NOS. OF CAT-6 CABLE IN 1 RUN
25MM DIA PVC HMS/MMS SLAB/CEILING CONDUIT FOR CURTAIN CONTROL MOTOR, WITH 5CORE X 1.5 SQMM FRLS FLEXIBLE CABLE IN 1 RUN
25MM DIA PVC HMS/MMS SLAB/CEILING CONDUIT FOR DROP BOLT LOCK WITH 4CORE X 0.5 SQMM FRLS FLEXIBLE CABLE IN 1 RUN

NOTES:
1. ALL GENERAL SWITCH BOARD 150MM AWAY FROM WALL EDGE.
2. THIS LAYOUT IS FOR SLAB PURPOSE ONLY DETAIL LAYOUT TO BE CARRIED OUT AS PER INTERIOR LAYOUT.
3. 230MM THICK WALL REQUIRED FOR ALL DB
4. ALL DIMENSION ARE IN MMOR METER, UNLESS MENTIONED
5. FAN BOX PVC TYPE
6. ANY MAKE OF MATERIAL REQ. TO APPROVE FROM ELECTRICAL CONSULTANT / ARCHITECT / CLIENT .
7. CONTRACTOR NEEDS TO TAKE CARE THAT ANY CONDUIT PATH SHALL NOT BE BLOCKED.
8. CONTRACTOR HAS TO PUT APPROPRIATE CONDUITS & JUNCTION BOX WHEREVER REQUIRED WHETHER MENTIONED OR NOT IN LAYOUT.

PROJECT:

DHIRUBHAI UNIVERSITY CLASSROOMS

REV.. R1

SCALE : NTS

DRAWING NO.	REFERENCE DRAWINGS

NOTES:

ARCHITECT / PRIME CONSULTANT:

REV. NO	DATE	REVISIONS	BY	CHK.	DEPT. HEAD	PROJ. MGR.
1	25/08/26	FOR APPROVAL	DP	DP	JP	JP
0	24/04/26	FOR APPROVAL	DP	DP	JP	JP

TITLE:

GROUND FLOOR ELECTRICAL LIGHTING LAYOUT

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ENGINEERING DESIGN CONSULTANT

DRG. NO.: ELE-GF-LTG-01

REV. R1