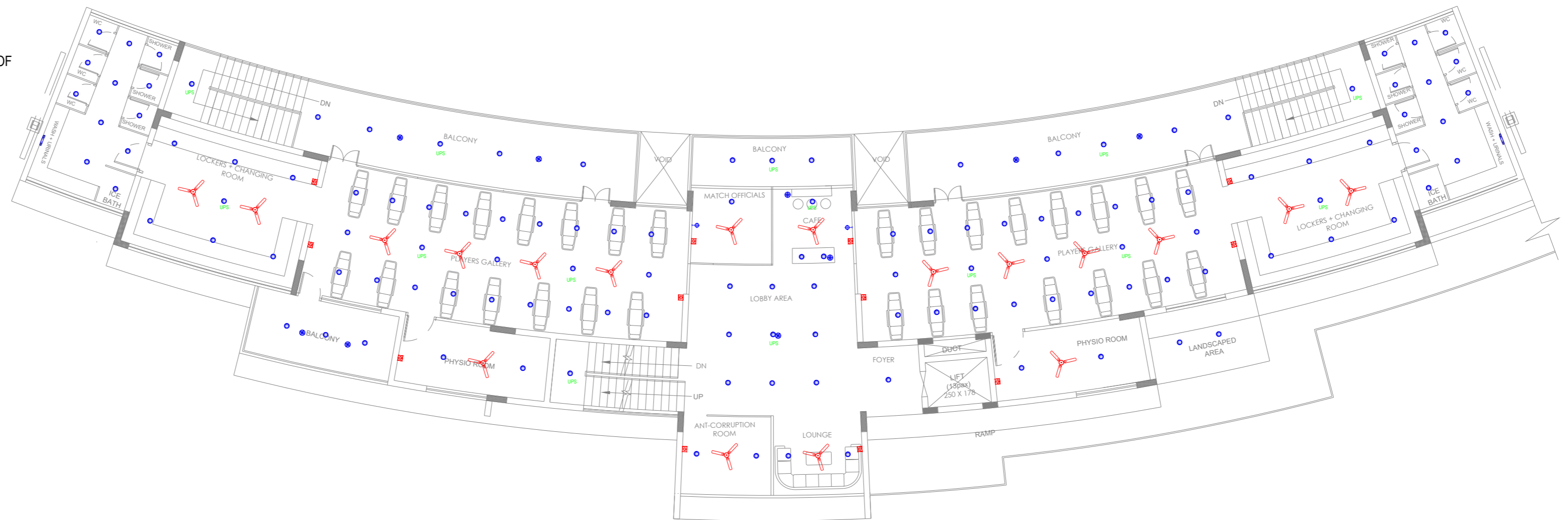


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L-03		WALL LIGHT @ 240 LVL
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L-05		FLOOR POINT
L-06		4 FEET LED LIGHT
L-07		FLOOR POINT
EF		EXHAUST FAN @ 210 LVL
CF		CEILING FAN
DB		DISTRIBUTION BOARD

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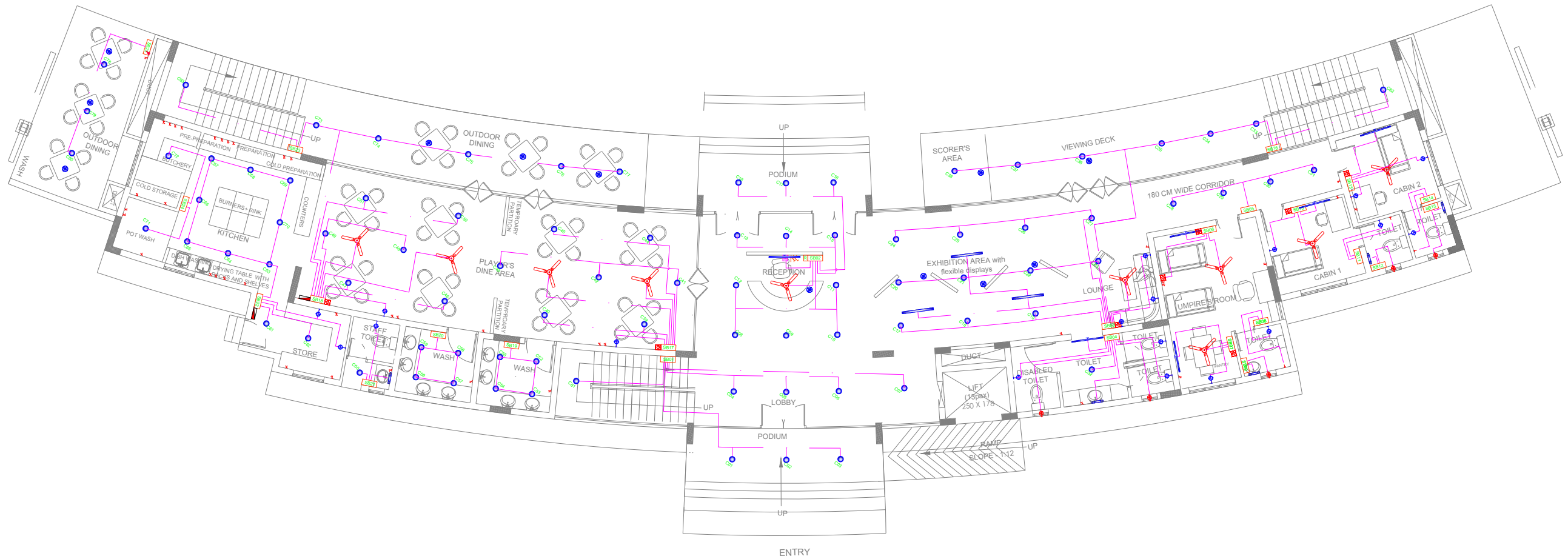
ARCHITECT / CLIENT



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ARCHITECTS

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Thiruvananthapuram, India 695003

REFERENCE DRAWING				REVISIONS				DRAWING STATUS			PAPER SIZE	TECLA CONSULTANCY SOLUTIONS						
DRAWING NO.	DATE	REV.	NO	DATE	PARTICULARS	DRAWN	CHKD	APRVD.	CONCEPTUAL DRAWING	FOR COMMENTS/ APPROVAL	FOR TENDER PUPOSE	SACTION DRAWING	GOOD FOR CONSTRUCTION	FOR INFORMATION	AS BUILT	PAPER SIZE	TECLA CONSULTANCY SOLUTIONS	
																A2	LF2, B5, 118, Vrindavan Garden, Palattu P.O., Thiruvananthapuram, Kerala, India - 695 004 projects@tecla.co.in www.tecla.co.in	
																	SCALE	1:15
																	DATE	16-05-2022
																	APPROVED	AS
																	CHECKED	AKS
																	DRAWN	NRC
																	CHECKED	AKS
																	DESIGNED	AS
																	PROJECT NAME	
																	PAVALION BLOCK FOR KCA STADIUM AT MANAGALPURAM	
																	PROJECT NO.	
																	PJ/043/2021-22	
																	DRAWING TITLE	
																	ELECTRICAL LIGHTING LAYOUT GROUND & FIRST FLOOR	
																	REV.	
																	SHEET 01 OF 01	
																	DWG. NO. : TCS_043_01_ELE_LL_P00	



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ARCHITECT

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DRAWING STATUS					PAPER SIZE	A3
CONCEPTUAL DRAWING					SCALE	1:17.5
FOR COMMENTS/ APPROVAL	<input checked="" type="checkbox"/>				DATE	13-06-2022
FOR TENDER PUPOSE					APPROVED	AKS
SANCTION DRAWING					CHECKED	AS
GOOD FOR CONSTRUCTION					DRAWN	NRC
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AS BUILT					DESIGNED	NRC

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TECLA CONSULTANCY SOLUTIONS
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projects@tecla.co.in | www.tecla.co.in

PROJECT NAME
KCA CRICKET STADIUM, MANGALAPURAM TRIVANDRUM

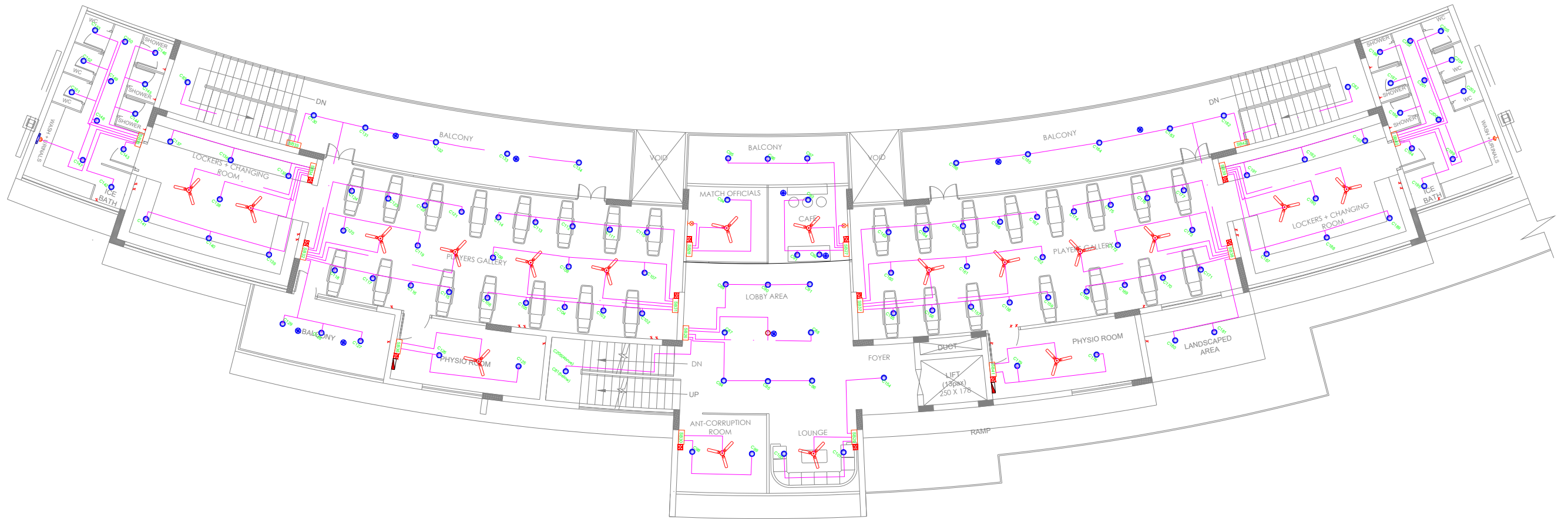
PROJECT NO.
PJ/043/2021-22

DRAWING TITLE
ELECTRICAL CONTROL LIGHTING LAYOUT GROUND FLOOR

REV.
R0

SHEET 01 OF 01 DWG. NO. : TCS_043_001_ELE_CL_P00

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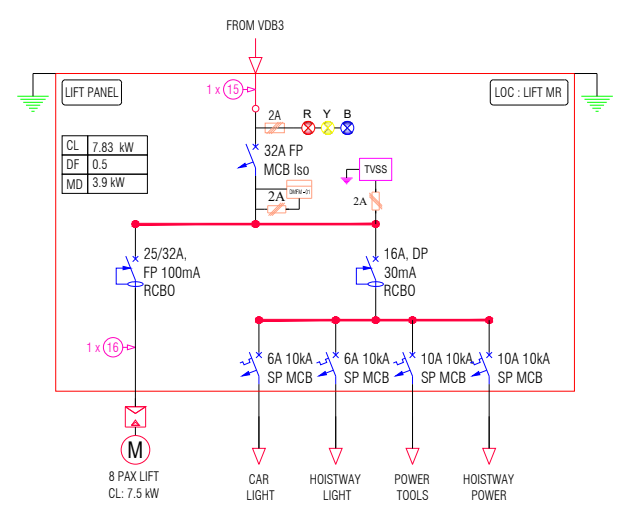
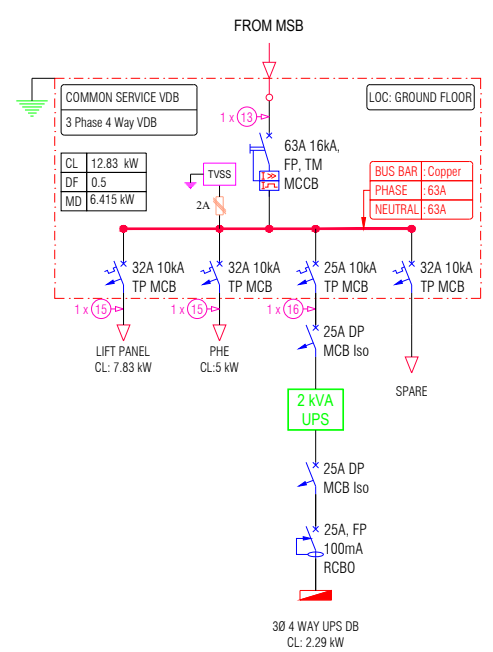
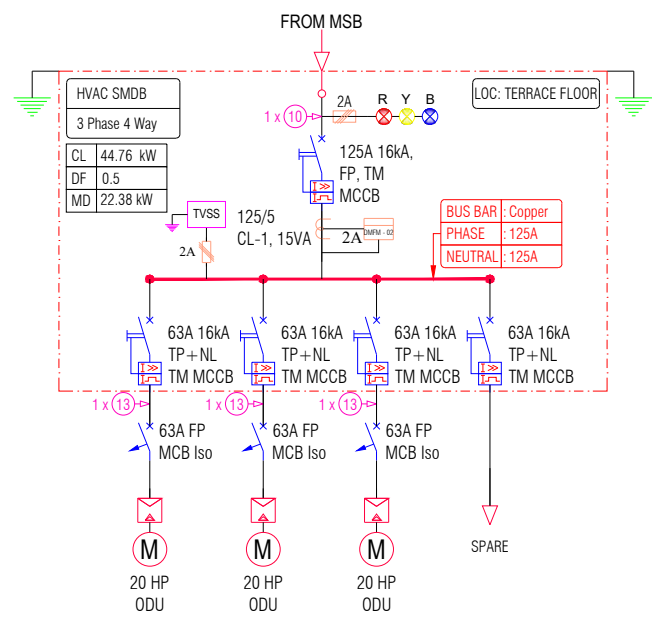
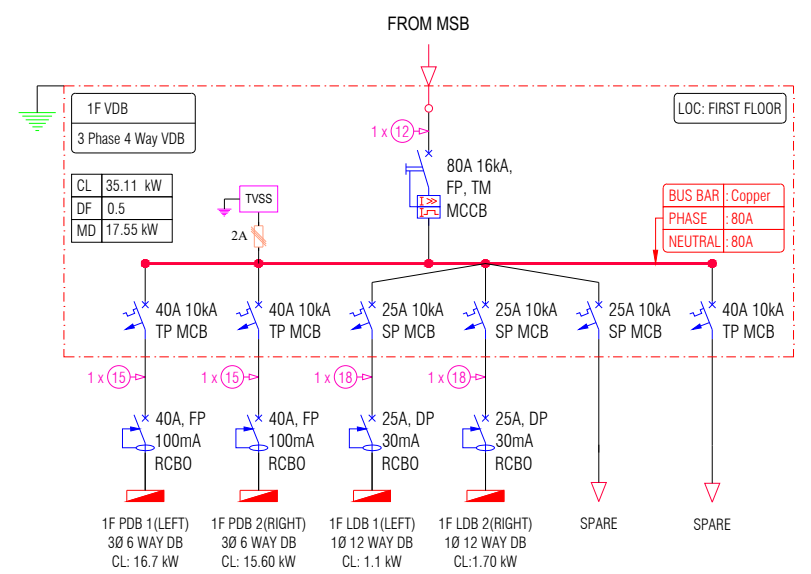
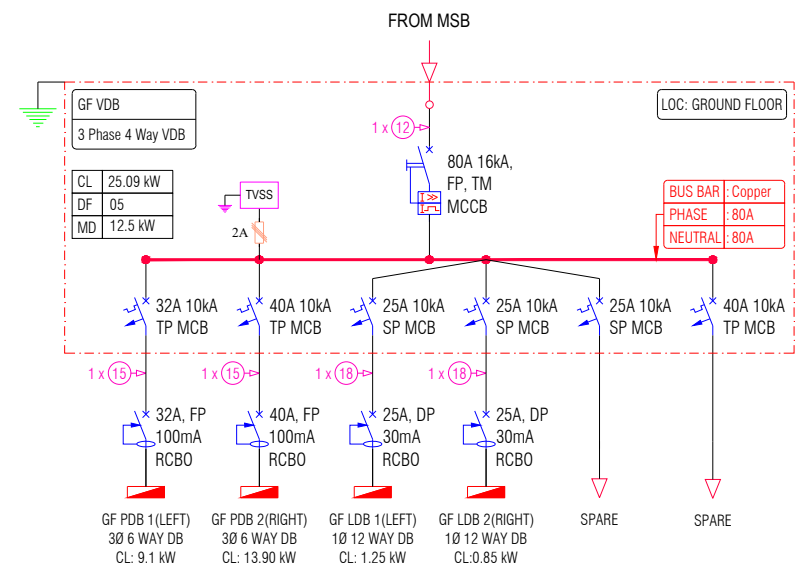
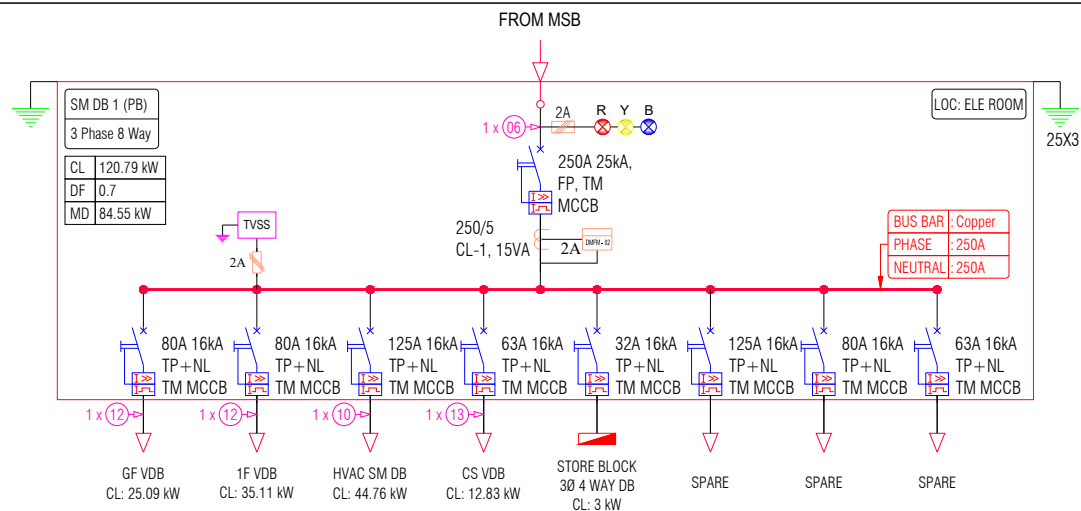
PROJECT NAME: KCA CRICKET STADIUM, MANGALAPURAM TRIVANDRUM
 PROJECT NO.: PJ/043/2021-22

DRAWING TITLE: ELECTRICAL CONTROL LIGHTING LAYOUT FIRST FLOOR
 SHEET 01 OF 01
 DWG. NO. : TCS_043_001_ELE_CL_P01

REV. R0

DRAWING NO.	DATE	REV.	NO	DATE	DRAWN	CHKD	APRVD.

REFERENCE DRAWING REVISIONS



ARCHITECT / CLIENT

SHIBU ABOOSALI ARCHITECTS

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PROJECT NAME: KCA CRICKET STADIUM, MANGALAPURAM TRIVANDRUM
PROJECT NO.: TCS/043/2022-23

DRAWING TITLE: ELECTRICAL SCHEMATIC LAYOUT
SHEET 01 OF 01
DWG. NO.: TCS_043_001_ELE_SCH_P00

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CABLE TAG DETAILS		
CABLE DETAILS - HT CABLES		
01	3C 300sq.mm A2XFY 11kV(E) CABLE	--A
02	3C 150sq.mm A2XFY 11kV(E) CABLE	--A
CABLE DETAILS - LT CABLES		
03	3.5C 400sq.mm A2XFY 1.1kV CABLE	360A
04	3.5C 300sq.mm A2XFY 1.1kV CABLE	320A
05	3.5C 240sq.mm A2XFY 1.1kV CABLE	280A
06	3.5C 185sq.mm A2XFY 1.1kV CABLE	250/225A
07	3.5C 150sq.mm A2XFY 1.1kV CABLE	200A
08	3.5C 120sq.mm A2XFY 1.1kV CABLE	180A
09	3.5C 95sq.mm A2XFY 1.1kV CABLE	160/150A
10	3.5C 70sq.mm A2XFY 1.1kV CABLE	125/120A
11	3.5C 50sq.mm A2XFY 1.1kV CABLE	100A
12	3.5C 35sq.mm A2XFY 1.1kV CABLE	80A
13	4C 25sq.mm A2XFY 1.1kV CABLE	70/63A
14	4C 16sq.mm A2XFY 1.1kV CABLE	50A
15	4C 10sq.mm A2XFY 1.1kV CABLE	40/32A
16	4C 6sq.mm A2XFY 1.1kV CABLE	25A
17	4C 4sq.mm A2XFY 1.1kV CABLE	20/16/10A
18	2C 4sq.mm A2XFY 1.1kV CABLE	20/16/10A
19	2C 6sq.mm A2XFY 1.1kV CABLE	25A
20	2C 10sq.mm A2XFY 1.1kV CABLE	32A

ABBREVIATION:

SL NO.	SYMBOL	DESCRIPTION
1	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
2	TOD	TIME OF DAY METERING
3	VCB	VACCUM CIRCUIT BREAKER
4	DG	DIESEL GENERATOR
5	MCB	MINIATURE CIRCUIT BREAKER
6	ACB	AIR CIRCUIT BREAKER
7	EDO	ELECTRICALLY OPERATED DRAW-OUT
8	DV	DIGITAL VOLTMETER
9	DA	DIGITAL AMMETER
10	MFD	MULTI-FUNCTION METER
11	MCCB	MOULDED CASE CIRCUIT BREAKER
12	S/D	STAR / DELTA STARTER
13	COS	CHANGE OVER SWITCH
14	UPS	UN-INTERUPTED POWER SUPPLY
15	AHU	AIR HANDLING UNIT
16	TM	THERMAL MAGNETIC BASED RELEASE
17	MP	MICROPROCESSOR BASED RELEASE
18	CDC	CAPACITOR DUTY CONTACTOR

LEGEND							
FIXTURE	DESCRIPTION	FIXTURE	DESCRIPTION	FIXTURE	DESCRIPTION	FIXTURE	DESCRIPTION
	AC GENERATOR/ DG SET		THERMAL OVERLOAD RELAYS		MCB ISOLATOR		HT LBS WITH FUSE UNIT
			IDMT EARTH FAULT RELAY				
	TRANSFORMER DELTA/STAR		MINIATURE CIRCUIT BREAKER		CONTACTOR		STAR DELTA STARTER
			DIGITAL MULTIFUNCTION METER - PARA - V, A, F, PF, KW, KVA, KVAR, kWh, kVAh, kVARh, RUNHOURS, ON HOURS, INTERRUPTS, RPM, % UNBALANCE (V,A), PHASE ANGLE, THD, NEUTRAL CURRENT, % LOAD, MAXIMUM DEMAND (KW & KVA), MD RESET		EARTHING CONNECTION		DOL STARTER
	PUSH BUTTON		DMFM-01		NEUTRAL LINK		AUTOMATIC SOURCE CHANGE WITH CURRENT LIMITER
	SWITCH BOARD / PANEL		TERMINAL BOX		4P RCBO		CURRENT TRANSFORMER
	CONTROL PANEL		TERMINAL BOX		ACCL - 183 PHASE		ALARM HOOTER
	DISTRIBUTION BOARD		LT TIME OF DAY METER		CUTOUT FUSE		DIGITAL MULTIFUNCTION METER PARA - V, A, F, PF, KW, KVA, KVAR, kWh, kVAh, kVARh, Runhours On hours, phase angle, interrupts, THD, Events(High-Low), Neutral Current
	CAPACITOR		INDICATION LAMP		CONTROL FUSE		
	VDB - RAW / UPS POWER		MOULDED CASE CIRCUIT BREAKER		Bus bar end feed unit with ACB as breaker		Bus bar end feed unit with MCCB as breaker
	TAPOFF BOX		TRANSIENT VOLTAGE SURGE SUPPRESSOR				

Note:

- The dg sets shall work on the logic of load sharing. if the electrical load is low on the dg set, only one dg set will be in operation. all necessary breakers and bus-couplers will switch on / off to satisfy this operational requirement.
- The 11kv tapp off point with HT metering & necessary equipments for the same shall be finalised in consultation with electricity supply authority.
- Necessary initial approval from statutory authority shall be taken before the commencement of the electrical work.
- The HVAC pump panel and floor wise HVAC VDB/Load Bank shall be supplied by the HVAC vendor, so electrical contractor shall be co-ordinated with the HVAC vendor for finalizing the respective panels as per the statutory norms.
- The electrical load of equipments in HVAC, Bio-Medical, Plumbing, Fire-fighting system etc are approximate. necessary co-ordination shall be done with respective vendors before finalising the rating of circuit breaker and cable size for each equipment.
- The horizontal / vertical DBs shall be earthed with 8 swg cu wire to the nearest 25x3 mm cu strip. this shall be done in co-ordination with the requirement of statutory authority.
- The floor panels, utility panels etc shall be earthed with 25x3 mm cu strip. this shall be done in co-ordination with the requirement of statutory authority.
- The earthing for the HVAC, Bio-Medical, Plumbing, Fire fighting equipments shall be done in co-ordination with the respective vendors and as per the requirement of statutory authority.
- Necessary communication port shall be provided for the circuit breaker & multi-function meter of the main IT panel satisfying the BMS functionality, in co-ordination with client, if required.
- The power supply from the respective floor DB/Load Bank shall be envisaged for the lighting of the main name board of the building, if necessary.
- Spare provision for Tap off shall be provided in rising main for each floor.
- Metering CT ration shall be finalized based on the contract demand.
- Motor control center / panel MCCB / MPCB shall be selected as per the type 2 co-ordination chart of the manufacturer.

<p>ARCHITECT / CLIENT</p> <p>First Floor, No.7, Kamala Building, C-street, Jawahar Nagar, Kowdiar P O, Thiruvananthapuram, India 695003</p>					DRAWING STATUS				PAPER SIZE	A3	<p>TECLA CONSULTANCY SOLUTIONS LF2, B5, 118, Vrindavan Garden, Pattom P.O, Thiruvananthapuram, Kerala, India - 695 004 projects@tecla.co.in www.tecla.co.in</p>					
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