



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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## C3455a - CAPALABA SPORTS CLUB - MULTI-STOREY CARPARK

C3455a-0004(A).xls

### DISTRIBUTION BOARD DB-C (GROUND)

REVISION A - 30 MAY 2025

							REV	
FAULT CURRENT:		6kA UTILISING CASCADING		MAIN SWITCH:		250A NON AUTO LOAD BREAK	A	
CHASSIS SIZE:		2 x 72 POLES		SUPPLIED FROM:		MSB	A	
CHASSIS RATING:		250A		SUPPLY CABLE:		4C70	A	
PHASES:		3						A
PROVIDE THE DISTRIBUTION BOARD WITH SURGE PROTECTION AND AN AS2293 TESTING FACILITY. EACH CUBICAL MUST BE AT LEAST 700 WIDE. IN ADDITION TO THE DISTRIBUTION CUBICAL PROVIDE A SECOND FULL HEIGHT CUBICAL SEPERATED INTO TWO EQUAL SECTIONS WITH EACH SECTION HAVING A SEPERATE DOOR AND REMOVABLE MOUNTING PANS.. PROVIDE THE TOP SECTION WITH FOUR FULL WIDTH HORIZONTAL DIN RAILS EVENLLY SPACED TO ACCOMMODATE THE CONTROLS SUPPLIED AS PART OF THE CONTRACT WORKS AND FUTURE EV METERING EQUIPMENT. THE BOTTOM CUBICAL IS TO BE PROVIDED FOR THE IRRIGATION CONTRACTOR TO USE. PROVIDE ALL CUBICALS WITH TOP AND BOTTOM CABLE ACCESS C/E GLAND PLATES. REFER TO THE NOTES FOR ADDITIONAL SWITCHBOARD REQUIREMENTS.							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	A	
P1	3	32 C CURVE		6 + 6 EARTH	GROUND	LIFT	A	
P2	1	20	RCBO	2.5	ON GRADE	FIRE PUMP	A	
P3	3	63		16.0	GROUND	EV-1	A	
P4	3	63		16.0	GROUND	EV-2	A	
P5	3	63		16.0	GROUND	EV-3	A	
P6	3	63		16.0	LEVEL 1	EV-4	A	
P7	3	63		16.0	LEVEL 1	EV-5	A	
P8	3	63		16.0	LEVEL 1	EV-6	A	
P9	3	20	RCBO	4.0	GROUND	3PH OUTLET	A	
P10	3	20	RCBO	4.0	GROUND	3PH OUTLET	A	
P11	1	20	RCBO	4.0	GROUND / LEVEL 1	MAINTENANCE	A	
P12	1	20	RCBO	4.0	GROUND / LEVEL 1	MAINTENANCE	A	
P13	3	20	RCBO	4.0	LEVEL 1	3PH OUTLET	A	
P14	3	20	RCBO	4.0	LEVEL 1	3PH OUTLET	A	
P15	1	20	RCBO	2.5	GROUND	CR-A	A	
P16	3	20	RCBO	4.0	GROUND	PUMP	A	
							A	
							A	
							A	
							A	
							A	
							A	
							A	
							A	
							A	
							A	
L1	1	20	RCBO	2.5	ON GRADE	CARPARK LIGHTING	A	
L2	1	20	RCBO	2.5	GROUND	CARPARK LIGHTING	A	
L3	1	20	RCBO	2.5	GROUND	CARPARK LIGHTING	A	
L4	1	20	RCBO	2.5	GROUND	CARPARK LIGHTING	A	
L5	1	20	RCBO	2.5	GROUND	CARPARK LIGHTING	A	
L6	1	20	RCBO	2.5	GROUND	CARPARK LIGHTING	A	
L7	1	20	RCBO	2.5	GROUND	CARPARK LIGHTING	A	
L8	1	20	RCBO	2.5	GROUND	STAIR / PLANT LIGHTING	A	
L9	1	20	RCBO	2.5	GROUND	ENTRY LIGHTING	A	
L10	1	20	RCBO	2.5	GROUND	SIGN	A	
L11	1	20	RCBO	2.5	GROUND	SIGN	A	
L12	1	20	RCBO	2.5	GROUND	SIGN	A	
L13	1	20	RCBO	2.5	GROUND	SIGN	A	
L14	1	20	RCBO	2.5	LEVEL 1	LOBBY LIGHTING	A	
L15	1	20	RCBO	2.5	LEVEL 1	CARPARK LIGHTING	A	
L16	1	20	RCBO	2.5	LEVEL 1	CARPARK LIGHTING	A	
							A	
							A	
							A	
							A	
							A	