



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C3413a - EDEN BREWHOUSE, REDBANK PLAINS

C3413a-0005(B).xls

DISTRIBUTION BOARD DB-G

REVISION B - 16 MAY 2025

FAULT CURRENT: 6kA CHASSIS SIZE: NEW 60 POLE CHASSIS RATING: 250A PHASES: 3							REV
MAIN SWITCH: 250AMP							A
							A
							A
							A
PROVIDE DB-G WITH AN ADDITIONAL CUBICAL THAT CONTAINS TWO FULL WIDTH DIN RAILS TO ACCOMMODATE FUTURE CONTROLS IN ADDITION TO THE CONTROLS INCLUDING THE DYNALITE EQUIPMENT PROVIDED AS PART OF THE INITIAL WORKS. SUPPLY THE CHASSIS IN THE NEW CUBICAL FROM THE LINE SIDE OF THE EXISTING DB-G MAIN SWITCH. PROVIDE THE NEW CHASSIS WITH A DEDICATED NON AUTO LOAD BREAK ISOLATION MAIN SWITCH. REMOVE ALL OF THE EXISTING SWITCHGEAR IN DB-G THAT IS MADE REDUNDANT BY THE WORKS. IT IS ACCEPTABLE TO UTILISE EXISTING DB-G CIRCUITS / SWITCHGEAR TO SUPPLY THE NEW CIRCUITS IF THEY ARE IN APPROPRIATE CONDITION, HAS SUFFICIENT CAPACITY AND APPROPRIATE CONTROLS. UPDATE THE DB-G SCHEDULE AT PRACTICAL COMPLETION SUCH THAT THE CIRCUIT USE AND LOCATION ARE OBVIOUS.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P1	3	20	RCBO	2.5	ROOF	AC	A
P2	1	20	RCBO TC ON OFF	2.5	ROOF	EXHAUST FAN	A
P3	3	20	RCBO TC ON OFF	2.5	ROOF	EXHAUST FAN	A
P4	1	20	RCBO	2.5		CR-G	A
P5	1	20	RCBO	2.5	OUTDOOR DINING	HEATERS	A
P6	1	20	RCBO	2.5	OUTDOOR DINING	TV	A
P7	1	20	RCBO	2.5	OUTDOOR DINING	TV	A
P8	1	20	RCBO	2.5	OUTDOOR DINING	TV	A
P9	1	20	RCBO	2.5		CLEANING	A
P10	1	20	RCBO	2.5	AMENITY	HAND DRYER	A
P11	1	20	RCBO	2.5	AMENITY	GPOs	A
P12	1	20	RCBO	2.5	AMENITY	HAND DRYER	A
P13	1	20	RCBO TC ON OFF	2.5	EXTERNAL	PLAYGROUND	A
P14	1	20	RCBO	2.5	OUTDOOR DINING	BLINDS	B
P15	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P16	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P17	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P18	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P19	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P20	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P21	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P22	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P23	1	20	RCBO	2.5	GAMING	GAMING MACHINES	A
P24	1	20	RCBO	2.5	GAMING	MODEM	A
P25	1	20	RCBO	2.5	GAMING	MODEM	A
P26	1	20	RCBO	2.5	GAMING	CRT	A
P27	1	20	RCBO	2.5	GAMING	CRT	A
P28	1	20	RCBO	2.5	GAMING	CLEANING	A
P28	1	20	RCBO	2.5	GAMING	FCU	A
P29	1	20	RCBO	2.5	OUTDOOR DINING	TV	A
P30	1	20	RCBO	2.5	OUTDOOR DINING	BLINDS	B
P31	1	20	RCBO	2.5	GAMING	SIGN	B
P32	1	20	RCBO	2.5	GAMING	SIGN	B
P33	1	20	RCBO	2.5	GAMING	SIGN	B
P34	1	20	RCBO	2.5	GAMING	SIGN	B
P35	1	20	RCBO	2.5	GAMING	SIGN	B
P36	1	20	RCBO TC ON OFF	2.5	ROOF	EXHAUST FAN	B



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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
L1	1	20	RCBO	2.5	GAMING	LIGHTS	A
L2	1	20	RCBO	2.5	OUTDOOR DINING	FANS	A
L3	1	20	RCBO	2.5	OUTDOOR DINING	FANS	A
L4	1	20	RCBO	2.5	OUTDOOR DINING	LIGHTS	A
L5	1	20	RCBO	2.5	OUTDOOR DINING	LIGHTS	A
L6	1	20	RCBO	2.5	OUTDOOR DINING	FANS	A
L7	1	20	RCBO	2.5	AMENITY	LIGHTS	A
L8	1	20	RCBO	2.5	OUTDOOR DINING	LIGHTS	A