



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C3179a - SUNNYBANK COMMUNITY SPORTS CLUB

C3179a-0013(D).xls

DISTRIBUTION BOARD DB-G8 (BISTRO STORE)

REVISION D - 28 NOVEMBER 2025

							REV
FAULT CURRENT:		6kA		MAIN SWITCH:		160A NON AUTO LOAD BREAK ISOLATOR	A
CHASSIS SIZE:		84 POLES		SUPPLIED FROM:		MSB	A
CHASSIS RATING:		250A		SUPPLY CABLE:		4C35	A
PHASES:		3					A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE DIN RAIL REQUIRED FOR THE DYNALITE CONTROLS PROVIDED AS PART OF THE WORKS . PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. RECONNECT ALL OF THE EXISTING DB-G8 CIRCUITS THAT REMAIN TO THE NEW DB-G8 WITH NEW SWITCHGEAR AND CONTROLS THAT HAS THE SAME CAPACITY AND FUNCTION AS THE ORIGINAL. PROVIDE THE DB AS SEMI RECESSED WITH A RECESS TRIM.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	BISTRO	GPOs	A
P2							C
P3							C
P4							C
P5							C
P6	1	20	RCBO	2.5	BISTRO	GPOs	A
P7	1	20	RCBO	2.5	PLAYGROUND	PLAYGROUND	A
P8	1	20	RCBO	2.5	BISTRO	GPOs	A
P9	1	20	RCBO	2.5	BISTRO	TV	A
P10	1	20	RCBO	2.5	BAR	WATER	A
P11	1	20	RCBO	2.5	BAR	POST MIX	A
P12	1	20	RCBO	2.5	BAR	POINT OF SALE	A
P13	1	20	RCBO	2.5	BAR	REFRIGERATOR	A
P14	1	20	RCBO	2.5	BAR	GPOs	A
P15	1	20	RCBO	2.5	BAR	POST MIX	A
P16	1	20	RCBO	2.5	BAR	REFRIGERATOR	A
P17	1	20	RCBO	2.5	BAR	REFRIGERATOR	A
P18	1	20	RCBO	2.5	BAR	GPOs	A
P19	1	20	RCBO	2.5	BAR	GLASS WASHER	A
P20	1	20	RCBO	2.5	BAR	COFFEE	A
P21	1	20	RCBO	2.5	EXTERNAL	HEATERS	A
P22	1	20	RCBO	2.5	EXTERNAL	HEATERS	A
P23	1	20	RCBO	2.5	EXTERNAL	HEATERS	A
P24	1	20	RCBO	2.5	EXTERNAL	HEATERS	A
P25	1	20	RCBO	2.5	EXTERNAL	HEATERS	A
P26	1	20	RCBO	2.5	EXTERNAL	HEATERS	A
P27	1	20	RCBO	2.5	BAR	GLASS WASHER	D



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PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE DIN RAIL REQUIRED FOR THE DYNALITE CONTROLS PROVIDED AS PART OF THE WORKS . PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. RECONNECT ALL OF THE EXISTING DB-G8 CIRCUITS THAT REMAIN TO THE NEW DB-G8 WITH NEW SWITCHGEAR AND CONTROLS THAT HAS THE SAME CAPACITY AND FUNCTION AS THE ORIGINAL. PROVIDE THE DB AS SEMI RECESSED WITH A RECESS TRIM.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
L1	1	20	RCBO	2.5	EXTERNAL	LIGHTS	A
L2	1	20	RCBO	2.5	BISTRO	LIGHTS	A
L3	1	20	RCBO	2.5	ALFRESCO	FANS	A
L4	1	20	RCBO	2.5	EXTERNAL	FANS	A
L5	1	20	RCBO	2.5	PLAY GROUND	FESTOON	A
L6	1	20	RCBO	2.5	BISTRO	LIGHTS	A
L7	1	20	RCBO	2.5	BISTRO	SIGN	A
L8	1	20	RCBO	2.5	BISTRO	LIGHTS	A
L9	1	20	RCBO	2.5	BISTRO	LIGHTS	A
L10	1	20	RCBO	2.5	BISTRO	LIGHTS	A
L11	1	20	RCBO	2.5	BISTRO	LIGHTS	A
L12	1	20	RCBO	2.5	BISTRO	LIGHTS	A
L13	1	20	RCBO	2.5	BAR	LIGHTS	A
L14	1	20	RCBO	2.5	BISTRO	LIGHTS	A
L15	1	20	RCBO	2.5	EXTERNAL	LIGHTS	A
L16	1	20	RCBO	2.5	EXTERNAL	LIGHTS	A
L17	1	20	RCBO	2.5	BISTRO	COFFER LEDS	A
L18	1	20	RCBO	2.5	BISTRO	LIGHTS	B