



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3179a - SUNNYBANK COMMUNITY SPORTS CLUB

C3179a-0009(C).xls

DISTRIBUTION BOARD DB-1-1 (LEVEL 1)

REVISION C - 28 MARCH 2025

							REV
FAULT CURRENT: 6kA							A
MAIN SWITCH: 160A NON AUTO LOAD BREAK ISOLATOR							A
CHASSIS SIZE: 60 POLES							A
CHASSIS RATING: 250A							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 LEVEL 1 EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. RECONNECT ALL OF THE EXISTING DB-1-1 CIRCUITS THAT REMAIN TO THE NEW DB-1-1 WITH NEW SWITCHGEAR AND CONTROLS THAT HAS THE SAME CAPACITY AND FUNCTION AS THE ORIGINAL.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	OFFICE	DESK GPOs	A
P2	1	20	RCBO	2.5	OFFICE	WORK STATION GPOs	A
P3	1	20	RCBO	2.5	OFFICE	WORK STATION GPOs	A
P4	1	20	RCBO	2.5	OFFICE	WORK STATION GPOs	A
P5	1	20	RCBO	2.5	OFFICE	PRINTER	A
P6							C
P7	1	20	RCBO	2.5	OFFICE	CLEANING	A
P8	1	20	RCBO	2.5	OFFICE	WORK STATION GPOs	A
P9	1	20	RCBO	2.5	OFFICE	WORK STATION GPOs	A
P10	1	20	RCBO	2.5	STAFF	GPOs	A
P11	1	20	RCBO	2.5	FUNCTION	GPOs	A
P12	1	20	RCBO	2.5	AMENITY	GPOs	A
P13	1	20	RCBO	2.5	OFFICE	CLEANING	A
P14	1	20	RCBO	2.5	BOARD ROOM	GPOs	A
P15	1	20	RCBO	2.5	KITCHEN	GPOs	A
P16	1	20	RCBO	2.5	KITCHEN	REFRIGERATOR	A
P17	1	20	RCBO	2.5	KITCHEN	MICROWAVE	A
P18	1	20	RCBO	2.5	KITCHEN	AUTO BOILER	A
P19	1	20	RCBO	2.5	BOARD ROOM	REFRIGERATOR	B
L1	1	20	RCBO	2.5	LEVEL 1	LIGHTING	A
L2	1	20	RCBO	2.5	LEVEL 1	LIGHTING	A
L3	1	20	RCBO	2.5	LEVEL 1	LIGHTING	A
L4	1	20	RCBO	2.5	LEVEL 1	LIGHTING	A
L5	1	20	RCBO	2.5	LEVEL 1	LIGHTING	A
L6	1	20	RCBO	2.5	LEVEL 1	LIGHTING	A
L7	1	20	RCBO	2.5	LEVEL 1	LIGHTING	A