

ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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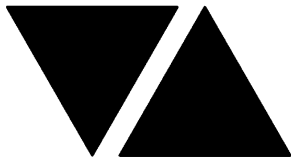
C3733a - ACGS - YEAR 5 & 6 PRECINCT

C3733a-0006(T1).xls

DISTRIBUTION BOARD DB-G

REVISION T1 - 11 SEPTEMBER 2026

							REV
FAULT CURRENT:		6kA UTILISING CASCADING		MAIN SWITCH:		160A NON AUTO LOAD BREAK SWITCH	T1
CHASSIS SIZE:		84 POLE POWER 36 POLE LIGHTING		SUPPLIED FROM:		MSB	T1
CHASSIS RATING:		250A		SUPPLY CABLE:		1C 95	T1
PHASES:		3					T1
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE INITIAL CONTROL EQUIPMENT. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. REFER TO THE NOTES FOR ADDITIONAL REQUIREMENTS PROVIDE AN ENERGY MONITORING SYSTEM AS PER J9D3 OF THE NCC BCA 2022 INTERFACED TO THE BMS WITH THE FOLLOWING SERVICES SEPERATLLY MEETERED / ACCOUNTED FOR, GENERAL POWER, LIGHTING AND HOT WATER. PROVIDE DB-G WITH A 100 AMP THREE PHASE MCB TO SUPPLY DB-1 VIA A 4C+E 35MM Cu SUBMAIN							T1
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	T1
							T1
P1	1	20	RCBO	2.5	ENTRY	FIP	T1
P2	1	20	RCBO	2.5	LOTE	LIGHTS	T1
P3	1	20	RCBO	2.5		MAINTENANCE	T1
P4	1	20	RCBO	2.5	LS1, LS2 & LS3	REF	T1
P5	1	20	RCBO	2.5	LS1	GPOS	T1
P6	1	20	RCBO	2.5	BREAKOUT	GPOS	T1
P7	1	20	RCBO	2.5	BREAKOUT	AUTO BOILER	T1
P8	1	20	RCBO	2.5	LS2	GPOS	T1
P9	1	20	RCBO	2.5	BREAKOUT	GPOS	T1
P10	1	20	RCBO	2.5	LS3	GPOS	T1
P11	1	20	RCBO	2.5	PLAZA 1	GPOS	T1
P12	1	20	RCBO	2.5		CLEANING	T1
P13	1	20	RCBO	2.5	AMENITY	HD	T1
P14	1	20	RCBO	2.5	CATERING	GPOS	T1
P15	1	20	RCBO	2.5	CATERING	GPOS	T1
P16	1	20	RCBO	2.5	CATERING	AUTO BOILER	T1
P17	1	20	RCBO	2.5	FORUM	GPOS	T1
P18	1	20	RCBO	2.5	PLAZA 2	GPOS	T1
P19	1	20	RCBO	2.5	LS 4, LS 5 & LS6	REF	T1
P20	1	20	RCBO	2.5	LS4	GPOS	T1
P21	1	20	RCBO	2.5	BREAKOUT	GPOS	T1
P22	1	20	RCBO	2.5	BREAKOUT	AUTO BOILER	T1
P23	1	20	RCBO	2.5	LS 5	GPOS	T1
P24	1	20	RCBO	2.5	BREAKOUT	GPOS	T1
P25	1	20	RCBO	2.5	BREAKOUT	AUTO BOILER	T1
P26	1	20	RCBO	2.5	LS 6	GPOS	T1
P27	1	20	RCBO	2.5	AMENITY	3.6KW HWS	T1
P28	1	20	RCBO	2.5		AUTO BOILER	T1
P29	1	20	RCBO	2.5	COMMS ROOM	SECURITY	T1
P30	1	20	RCBO	2.5	COMMS ROOM	AV RACK	T1
P31	1	20	RCBO	2.5	COMMS ROOM	AV RACK	T1
P32	1	20	RCBO	2.5	COMMS ROOM	CR-56	T1
P33	1	20	RCBO	2.5	COMMS ROOM	CR-56	T1
							T1
							T1
							T1
							T1



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MAIN SWITCH: 160A NON AUTO LOAD BREAK SWITCH SUPPLIED FROM: MSB SUPPLY CABLE: 1C 95							T1
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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	T1
L1	1	20	RCBO PE ON DUSK OFF DAWN	2.5	SECURITY	LIGHTS	T1
L2	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	BREAKOUT	LIGHTS	T1
L3	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	LOTE	LIGHTS	T1
L4	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL	LIGHTS	T1
L5	1	20	RCBO	2.5	LS1	LIGHTS	T1
L6	1	20	RCBO	2.5	LS2	LIGHTS	T1
L7	1	20	RCBO	2.5	PLAZA 1	LIGHTS	T1
L8	1	20	RCBO	2.5	LS3	LIGHTS	T1
L9	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	COVERED AREA	LIGHTS	T1
L10	1	20	RCBO	2.5	AMENITY	LIGHTS	T1
L11	1	20	RCBO	2.5	LS4	LIGHTS	T1
L12	1	20	RCBO	2.5	PLAZA 2	LIGHTS	T1
L13	1	20	RCBO	2.5	LS 5	LIGHTS	T1
L14	1	20	RCBO	2.5	LS6	LIGHTS	T1
L15	1	20	RCBO PE ON DUSK TC OFF 10.00PM	2.5	EXTERNAL SCREEN	LIGHTS	T1
L16	1	20	RCBO PE ON DUSK OFF DAWN	2.5	EXTERNAL ENTRY	LIGHTS	T1
							T1
							T1
							T1
							T1