



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C3457a - THE LION RICHLANDS - STAGE 2

C3457a-0006(A).xls

DISTRIBUTION BOARD DB-6

REVISION A - 29 JUNE 2026

FAULT CURRENT: 6kA							250A NON AUTO LOAD BREAK SUPPLIED FROM: MSB CABLE: 4C+E 70	REV
CHASSIS SIZE: 2 X 84 POLES								A
CHASSIS RATING: 250A								A
PHASES: A								A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE CONTROLS INCLUDING THE DYNALITE EQUIPMENT PROVIDED AS PART OF THE INITIAL WORKS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION.							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
P1	1	20	RCBO	2.5		CLEANING	A	
P2	1	20	RCBO	2.5		PARENTS	A	
P3	1	20	RCBO	2.5		TV	A	
P4	1	20	RCBO	2.5		AUTO DOORS	A	
P5	1	20	RCBO	2.5		CLEANING	A	
P6	1	20	RCBO	2.5		AUTO DOORS	A	
P7	1	20	RCBO	2.5		TV	A	
P8	1	20	RCBO	2.5		TV	A	
P9	1	20	RCBO	2.5		TV	A	
P10	1	20	RCBO	2.5		TV	A	
P11	3	50	MCB	10.0	BAR	28KW HWS	A	
P12	1	20	RCBO	2.5	BAR	REF	A	
P13	1	20	RCBO	2.5	BAR	GPO	A	
P14	1	20	RCBO	2.5	BAR	GLASS WASHER	A	
P15	1	20	RCBO	2.5	BAR	GLASS WASHER	A	
P16	1	25	RCBO	4.0	BAR	COFFEE	A	
P17	1	20	RCBO	2.5	BAR	POS	A	
P18	1	20	RCBO	2.5	BAR	REF	A	
P19	1	20	RCBO	2.5	BAR	SPARE	A	
P20	1	20	RCBO	2.5		CR-6	A	
P21	1	20	RCBO	2.5		CR-6	A	
P22	1	20	RCBO	2.5		SECURITY	A	
P23	1	20	RCBO	2.5	ROOF	GPOs	A	
P24	3	25	RCBO	4.0	ROOF	COMPRESSOR	A	
P25	3	25	RCBO	4.0	ROOF	COMPRESSOR	A	



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REVISION A - 29 JUNE 2026

							REV
FAULT CURRENT:		6kA		MAIN SWITCH:		250A NON AUTO LOAD BREAK SUPPLIED FROM: MSB CABLE: 4C+E 70	A
CHASSIS SIZE:		2 X 84 POLES		SUPPLIED FROM:			A
CHASSIS RATING:		250A		CABLE:			A
PHASES:		A					A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE CONTROLS INCLUDING THE DYNALITE EQUIPMENT PROVIDED AS PART OF THE INITIAL WORKS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
L1	1	20	RCBO	2.5		LIGHTS	A
L2	1	20	RCBO	2.5		FANS	A
L3	1	20	RCBO	2.5		FANS	A
L4	1	20	RCBO	2.5		HEATERS	A
L5	1	20	RCBO	2.5		HEATERS	A
L6	1	20	RCBO	2.5		HEATERS	A
L7	1	20	RCBO	2.5		HEATERS	A
L8	1	20	RCBO	2.5		HEATERS	A
L9	1	20	RCBO	2.5		HEATERS	A
L10	1	20	RCBO	2.5		HEATERS	A
L11	1	20	RCBO	2.5		HEATERS	A
L12	1	20	RCBO	2.5		HEATERS	A
L13	1	20	RCBO	2.5		LIGHTS	A
L14	1	20	RCBO	2.5		LIGHTS	A
L15	1	20	RCBO	2.5		LIGHTS	A
L16	1	20	RCBO	2.5		LIGHTS	A
L17	1	20	RCBO	2.5		LIGHTS	A
L18	1	20	RCBO	2.5		LIGHTS	A
L19	1	20	RCBO	2.5		LIGHTS	A
L20	1	20	RCBO	2.5		LIGHTS	A
L21	1	20	RCBO	2.5		LIGHTS	A
L22	1	20	RCBO	2.5		LIGHTS	A
L23	1	20	RCBO	2.5		LIGHTS	A
L24	1	20	RCBO	2.5		LIGHTS	A
L25	1	20	RCBO	2.5		LIGHTS	A
L26	1	20	RCBO	2.5		LIGHTS	A
L27	1	20	RCBO	2.5		LIGHTS	A
L28	1	20	RCBO	2.5		LIGHTS	A
L29	1	20	RCBO	2.5		LIGHTS	A
L30	1	20	RCBO	2.5		LIGHTS	A
L31	1	20	RCBO	2.5		LIGHTS	A
L32	1	20	RCBO	2.5		LIGHTS	A
L33	1	20	RCBO	2.5		TV SCREENS	A
L34	1	20	RCBO	2.5		TV SCREENS	A
L35	1	20	RCBO	2.5	ROOF	LIGHTS	A