



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C2864a - DRY DOCK ROAD HOTEL, TWEED HEADS SOUTH

C2864a-0006(B).xls

DISTRIBUTION BOARD DB-1

REVISION B - 28 NOVEMBER 2025

FAULT CURRENT: 6kA CHASSIS SIZE: 2 X 84 POLES CHASSIS RATING: 250A PHASES: A MAIN SWITCH: 250A NON AUTO LOAD BREAK SUPPLIED FROM: MSB CABLE: 1C 120							REV
							A
							A
							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	GAMING	SIGN	A
P2	1	20	RCBO	2.5	GAMING	SIGN	A
P3	1	20	RCBO	2.5	GAMING	SIGN	A
P4	1	20	RCBO	2.5	GAMING	SIGN	A
P5	1	20	RCBO	2.5	GAMING	CLEANING	A
P6	1	20	RCBO	2.5	GAMING	CRT	A
P7	1	20	RCBO	2.5	GAMING	VENDING	A
P8	1	20	RCBO	2.5	GAMING	TV	A
P9	1	20	RCBO	2.5	GAMING	POKER MACHINES	A
P10	1	20	RCBO	2.5	GAMING	POKER MACHINES	A
P11	1	20	RCBO	2.5	GAMING	POKER MACHINES	A
P12	1	20	RCBO	2.5	GAMING	POKER MACHINES	A
P13	1	20	RCBO	2.5	GAMING	POKER MACHINES	A
P14	1	20	RCBO	2.5	GAMING	POKER MACHINES	A
P15	1	20	RCBO	2.5	GAMING	MODEM	A
P16	1	20	RCBO	2.5		RACK H1	A
P17	1	20	RCBO	2.5		RACK H1	A
P18	1	20	RCBO	2.5		RACK H2	A
P19	1	20	RCBO	2.5		RACK H2	A
P20	1	20	RCBO	2.5		RACK H3	A
P21	1	20	RCBO	2.5		RACK H3	A
P22	1	20	RCBO	2.5		RACK H4	A
P23	1	20	RCBO	2.5		RACK H4	A
P24	1	20	RCBO	2.5	EXTERNAL	GPO	A
P25	1	20	RCBO	2.5	EXTERNAL	PUMP	A
P26	3	20	RCBO	2.5		RSD	A
P27	1	20	RCBO	2.5		HWS	A
P28	1	20	RCBO	2.5		CLEANING	A
P29	1	20	RCBO	2.5		CLEANING	A
P30	1	20	RCBO	2.5		AUTODOOR	A
P31	1	20	RCBO	2.5		TV	A
P32	1	20	RCBO	2.5		LED SCREEN	A
P33	1	20	RCBO	2.5		SRT	A
P34	1	20	RCBO	2.5		ATM	A
P35	1	20	RCBO	2.5		ATM	A
P36	1	20	RCBO	2.5		AUTODOOR	A
P37	3	50		10.0		28KW HWS	A
P38	1	20	RCBO	2.5		LED SCREEN	A
P39	1	20	RCBO	2.5		TV	A
P40	1	20	RCBO	2.5		CLEANING	A
P41	1	20	RCBO	2.5	EXTERNAL	GPO	A
P42	1	20	RCBO	2.5		HD	A
P43	1	20	RCBO	2.5		HD	A
P44	3	50		10.0		28KW HWS	A
P45	1	20	RCBO	2.5		AUTO DOOR	A
P46	1	20	RCBO	2.5		CLEANING	A
P47	1	20	RCBO	2.5	LOADING	POST MIX	A
P48	1	20	RCBO	2.5	LOADING	POST MIX	A
P49	1	20	RCBO	2.5	LOADING	ICE MACHINE	A

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Pages inc. any attach. 1 of 2



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REVISION B - 28 NOVEMBER 2025

							REV
FAULT CURRENT:			6kA	MAIN SWITCH:			250A NON AUTO LOAD BREAK
CHASSIS SIZE:			2 X 84 POLES	SUPPLIED FROM:			MSB
CHASSIS RATING:			250A	CABLE:			1C 120
PHASES:			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	
P50	1	20	RCBO	2.5	BAR	GPOs	A
P51	1	20	RCBO	2.5	BAR	GLASS WASHER	A
P52	1	20	RCBO	2.5	BAR	POS	A
P53	1	20	RCBO	2.5	EXTERNAL	SOLOIST	A
P54	1	20	RCBO	2.5	EXTERNAL	SOLOIST	A
P55	1	20	RCBO	2.5	KEG ROOM	BEER	A
P56	1	20	RCBO	2.5	KEG ROOM	BEER	A
P57	1	20	RCBO	2.5	KEG ROOM	GLYCOL	A
P58	1	20	RCBO	2.5	KEG ROOM	COMPRESSOR	A
P59	1	20	RCBO	2.5	EXTERNAL	GLYCOL	A
P60	1	20	RCBO	2.5	GAMING	GPO	A
P61	1	20	RCBO	2.5	GAMING	COFFEE	A
P62	1	20	RCBO	2.5	GAMING	RF	A
P63	1	20	RCBO	2.5	GAMING	VENDING	A
P64	1	32		6.0	EXTERNAL	INVERTER	A
P65	1	20	RCBO	2.5	TAB	TV	A
P66	1	20	RCBO	2.5	EXTERNAL	TV	A
P67	1	20	RCBO	2.5	GAMING	LOUVRES	A
P68	1	20	RCBO	2.5	DECK	HEATER	A
P69	1	20	RCBO	2.5	DECK	HEATER	A
P70	1	20	RCBO	2.5	DECK	HEATER	A
P71	1	20	RCBO	2.5	DECK	HEATER	A
P72	1	20	RCBO	2.5	DECK	HEATER	A
P73	1	20	RCBO	2.5	DECK	HEATER	A
P74	1	20	RCBO	2.5	ENTRY	LED SCREEN	A
P75	1	20	RCBO	2.5	EXTERNAL	WATER FEATURE	B
L1	1	20	RCBO	2.5	HOTEL	SIGN	A
L2	1	20	RCBO	2.5	HOTEL	SIGN	A
L3	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L4	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L5	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L6	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L7	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L8	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L9	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L10	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L11	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L12	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L13	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L14	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L15	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L16	1	20	RCBO	2.5	HOTEL	LIGHTS	A
L17	1	20	RCBO	2.5	HOTEL	FANS	A
L18	1	20	RCBO	2.5	HOTEL	FANS	A