



# 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-0008(A).xls

DISTRIBUTION BOARD DB-B

REVISION A - 01 AUGUST 2025

							REV
FAULT CURRENT:		6kA		MAIN SWITCH:		250A NON AUTO LOAD BREAK	A
CHASSIS SIZE:		96 POLES		SUPPLIED FROM:		MSB	A
CHASSIS RATING:		250A		CABLE:		1C 120	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 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 <sup>2</sup> )	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	SERVERY	POS	A
P2	1	20	RCBO	2.5	SERVERY	POS	A
P3	1	20	RCBO	2.5	SERVERY	POS	A
P4	1	20	RCBO	2.5	ENTRY	TV	A
P5	1	32		6.0	EXTERNAL	INV B	A
P6	1	20	RCBO	2.5	FOYER	ICE	A
P7	1	20	RCBO	2.5	FOYER	ICE	A
P8	1	20	RCBO	2.5	FOYER	ENTRY / EXIT	A
P9	3	20	RCBO	2.5	ENTRIES	RSD	A
P10	1	20	RCBO	2.5	ENTRIES	AUTO DOORS	A
P11	1	20	RCBO	2.5		GATES	A
P12	1	20	RCBO	2.5		CLEANING	A
P13	1	20	RCBO	2.5	OFFICE	OFFICE	A
P14	1	20	RCBO	2.5	OFFICE	PRINTER	A
P15	1	20	RCBO	2.5	OFFICE	DESK	A
P16	1	20	RCBO	2.5	OFFICE	SECURITY	A
P17	1	20	RCBO	2.5	OFFICE	CR-B	A
P18	1	20	RCBO	2.5	OFFICE	CR-B	A
P19	1	20	RCBO	2.5	WARE HOUSE	CLEANING	A
P20	1	20	RCBO	2.5	EXTERNAL	MAINTENANCE	A
P21	3	20	RCBO	2.5	EXTERNAL	PUMP	A
P22	1	20	RCBO	2.5	WARE HOUSE	MAINTENANCE	A
P23	1	20	RCBO	2.5	STORE	CHARGER	A
P24	3	20	RCBO	2.5	STORE	CHARGER	A
P25	1	20	RCBO	2.5	STORE	CHARGER	A
P26	1	20	RCBO	2.5	WARE HOUSE	GPOS	A
P27	1	20	RCBO	2.5	AMENITY	HD GPO	A
P28	3	20	RCBO	2.5	WARE HOUSE	RSD	A
P29	1	20	RCBO	2.5	DRIVE THRU	GPOS	A
P30	1	20	RCBO	2.5	DRIVE THRU	GPOS	A
P31	1	20	RCBO	2.5	COOLROOM	AUTO DOOR	A
P32	1	20	RCBO	2.5	STORE	STORE	A
P33	1	20	RCBO	2.5	STORE	RSD	A
P34	1	20	RCBO B6	2.5	RETAIL	AIR CURTAINS	A
P35	3	63		16.0	EXTERNAL	AC COMP 1	A
P36	3	63		16.0	EXTERNAL	AC COMP 2	A
P37	3	20	RCBO	2.5	LOADING	AC COMP 3	A
P38	1	20	RCBO	2.5	RETAIL	SECURITY	A
P39	1	20	RCBO B3	2.5	RETAIL	DISPLAY	A
P40	1	20	RCBO B3	2.5	RETAIL	DISPLAY	A
P41	1	20	RCBO B3	2.5	RETAIL	DISPLAY	A
P42	1	20	RCBO	2.5	ROOF	RV1	A
P43	1	20	RCBO	2.5	ROOF	RV2	A
P44	1	20	RCBO	2.5	RETAIL	SNACKS	A
P45	1	20	RCBO	2.5	RETAIL	TVs	A
P46	1	20	RCBO	2.5	RETAIL	ICE MACHINE	A

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Pages inc. any attach. 1 of 2



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PHASES:		A					A
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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm <sup>2</sup> )	LOCATION	CIRCUIT USE	
L1	1	20	RCBO PE ON DUSK OFF DAWN	4.0	CAR PARK	LIGHTS	A
L2	1	20	RCBO PE ON DUSK OFF DAWN	4.0	CAR PARK	LIGHTS	A
L3	1	20	RCBO PE ON DUSK OFF DAWN	4.0	CAR PARK	LIGHTS	A
L4	1	20	RCBO PE ON DUSK OFF DAWN	4.0	CAR PARK	LIGHTS	A
L5	1	20	RCBO PE ON DUSK OFF DAWN	4.0	CAR PARK	LIGHTS	A
L6	1	20	RCBO PE ON TC OFF	2.5	CAR PARK	PYLON	A
L7	1	20	RCBO PE ON TC OFF	2.5	FAÇADE	SIGNAGE	A
L8	1	20	RCBO PE ON DUSK OFF DAWN	2.5	FAÇADE	LIGHTS	A
L9	1	20	RCBO PE ON DUSK OFF DAWN	2.5	FAÇADE	LIGHTS	A
L10	1	20	RCBO	2.5	PLANT	LIGHTS	A
L11	1	20	RCBO	2.5	STORE	LIGHTS	A
L12	1	20	RCBO	2.5	OFFICE	LIGHTS	A
L13	1	20	RCBO	2.5	RETAIL	SECURITY TRACK LIGHTS	A
L14	1	20	RCBO SP B 1	2.5	RETAIL	CH 2 TRACK LIGHTS	A
L15	1	20	RCBO SP B 2	2.5	RETAIL	CH 3 TRACK LIGHTS	A
L16	1	20	RCBO SP B 1	2.5	RETAIL	CH 2 TRACK LIGHTS	A
L17	1	20	RCBO SP B 2	2.5	RETAIL	CH 3 TRACK LIGHTS	A
L18	1	20	RCBO	2.5	WAREHOUSE	LIGHTS	A
L19	1	20	RCBO	2.5	WAREHOUSE	LIGHTS	A
L20	1	20	RCBO	2.5	WAREHOUSE	LIGHTS	A
L21	1	20	RCBO PE ON TC OFF	2.5	EXTERNAL	SIGNAGE	A
L22	1	20	RCBO PE ON TC OFF	2.5	EXTERNAL	SIGNAGE	A
L23	1	20	RCBO PE ON TC OFF	4.0	CARPARK	SIGNAGE	A
L24	1	20	RCBO PE ON TC OFF	4.0	CARPARK	SIGNAGE	A