



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

Website: www.edg.net.au Email: brisbane@edg.net.au

C3294a - LLEWELLYN MOTORS SPRINGFIELD - LOT 32

C3294a-0004(B).xls

DISTRIBUTION BOARD DB-B (GROUND SOUTH)

REVISION B - 16 MAY 2025

FAULT CURRENT: 6KA USING CASCADING CHASSIS SIZE: 2 X 96 POLE CHASSIS RATING: 250A PHASES: 3							REV
MAIN SWITCH: 250A NON AUTO LOAD BREAK							A
SUPPLIED FROM: MSB							A
SUPPLY CABLE: 4C70							A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. EACH CUBICAL MUST BE 800 WIDE. REFER TO THE NOTES FOR ADDITIONAL REQUIREMENTS							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P1	3	40		6.0	OIL STORE	COMPRESSOR	B
P2	3	20	RCBO	2.5	EXTERNAL	GPO	B
P3	3	20	RCBO	2.5	WORKSHOP	RSD	B
P4	3	20	RCBO	2.5	AMENITY	HWS	B
P5	1	20	RCBO	2.5	AMENITY	HWS	B
P6	3	20	RCBO	2.5	WORKSHOP	HOIST	B
P7	3	20	RCBO	2.5	WORKSHOP	HOIST	B
P8	3	20	RCBO	2.5	WORKSHOP	HOIST	B
P9	3	20	RCBO	2.5	WORKSHOP	HOIST	B
P10	1	20	RCBO	2.5	WORKSHOP	WHEEL ALIGNMENT	B
P11	1	20	RCBO	2.5	WORKSHOP	GPO	B
P12	1	20	RCBO	2.5	WORKSHOP	GPO	B
P13	1	20	RCBO	2.5	WORKSHOP	GPO	B
P14	1	20	RCBO	2.5	WORKSHOP	GPO	B
P15	1	20	RCBO	2.5	WORKSHOP	GPO	B
P16	1	20	RCBO	2.5	WORKSHOP	GPO	B
P17	1	20	RCBO	2.5	WORKSHOP	GPO	B
P18	1	20	RCBO	2.5	CONTROL COUNTER	GPO	B
P19	1	20	RCBO	2.5	RECEPTION	GUEST COUNTER	B
P20	1	20	RCBO	2.5	RECEPTION	GPO	B
P21	1	20	RCBO	2.5	RECEPTION	COUNTER	B
P22	1	20	RCBO	2.5	RECEPTION	PWD LIFT	B
P23	1	20	RCBO	2.5	RECEPTION	AUTO DOOR	B
P24	1	20	RCBO	2.5	SERVICE KIT	GPO	B
P25	1	20	RCBO	2.5	SERVICE KIT	ZIP	B
P26	1	20	RCBO	2.5	SERVICE KIT	DW	B
P27	1	20	RCBO	2.5	SERVICE KIT	REF	B
P28	1	20	RCBO	2.5	CUST KIT	GPO	B
P29	1	20	RCBO	2.5	CUST KIT	ZIP	B
P30	1	20	RCBO	2.5	CUST KIT	DW	B
P31	1	20	RCBO	2.5	CUST KIT	REF	B
P32	1	20	RCBO	2.5	SALES	GPO	B
P33	1	20	RCBO	2.5	SHOWROOM	GPO	B
P34	1	20	RCBO	2.5	AMENITY	HWS	B
P35	1	20	RCBO	2.5	AMENITY	HD	B
P36	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	B
P37	1	20	RCBO	2.5	SHOWROOM	BLINDS	B
P38	1	20	RCBO	2.5	SHOWROOM	AUTO DOOR	B
P39	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	B
P40	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	B
P41	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	B
P42	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	B
P43	1	20	RCBO	2.5	SHOWROOM	7KW EV CHARGER	B
P44	1	20	RCBO	2.5	SHOWROOM	GPO	B
P45	1	20	RCBO	2.5	TRAINING	GPO	B
P46	1	20	RCBO	2.5	TRAINING	GPO	B
P47	1	20	RCBO	2.5	TRAINING	DW	B
P48	1	20	RCBO	2.5	TRAINING	REF	B
P49	1	20	RCBO	2.5	OFFICE	GPO	B
P50	1	20	RCBO	2.5	COMMS ROOM	SECURITY	B
P51	1	20	RCBO	2.5	COMMS ROOM	AC	B
P52	1	20	RCBO	2.5	COMMS ROOM	CR-A	B
P53	1	20	RCBO	2.5	COMMS ROOM	CR-A	B
P54	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	B



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REVISION B - 16 MAY 2025

FAULT CURRENT: 6KA USING CASCADING							REV
MAIN SWITCH: 250A NON AUTO LOAD BREAK							A
CHASSIS SIZE: 2 X 96 POLE							A
SUPPLIED FROM: MSB							A
CHASSIS RATING: 250A							A
SUPPLY CABLE: 4C70							A
PHASES: 3							A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. EACH CUBICAL MUST BE 800 WIDE. REFER TO THE NOTES FOR ADDITIONAL REQUIREMENTS							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P55	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	B
P56	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	B
P57	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	B
P58	1	20	RCBO	2.5	UNIT REPAIR	GPO	B
P59	1	20	RCBO	2.5	UNIT REPAIR	GPO	B
P60	1	20	RCBO	2.5	PARTS	GPO	B
P61	1	20	RCBO	2.5	PARTS	HWS	B
P62	1	20	RCBO	2.5	LUNCHROOM	GPO	B
P63	1	20	RCBO	2.5	LUNCHROOM	GPO	B
P64	1	20	RCBO	2.5	LUNCHROOM	DW	B
P65	1	20	RCBO	2.5	LUNCHROOM	REF	B
P66	1	20	RCBO	2.5	AMENITY	HD GPOS	B
P67	1	20	RCBO	2.5	REFUSE	GPO	B
P68	1	20	RCBO	2.5	REFUSE	GPO	B
P69	1	20	RCBO	2.5	EXTERNAL	PUMP	B
P70	1	20	RCBO	2.5	EXTERNAL	PUMP	B
P71	1	20	RCBO	2.5	EXTERNAL	PUMP	B
P72	1	20	RCBO	2.5	EXTERNAL	GPO	B
P73	1	20	RCBO	2.5	MEZZANINE	SIGN	B
P74	1	20	RCBO	2.5	BOARDROOM	GPO	B
P75	1	20	RCBO	2.5	BOARDROOM	REF	B
P76	1	20	RCBO	2.5	BOARDROOM	DW	B
P77	1	20	RCBO	2.5	BOARDROOM	KIT	B
P78	1	20	RCBO	2.5	MEZZ OFFICES	GPO	B
P79	1	20	RCBO	2.5	MEZZ AMENITY	GPO	B
P80	1	20	RCBO	2.5	MEZZANINE	GPO	B
P81	1	20	RCBO	2.5	MEZZANINE	TV	B



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SUPPLIED FROM: MSB							A
SUPPLY CABLE: 4C70							A
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CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
L1	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	PYLON	B
L2	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	B
L3	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	B
L4	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	B
L5	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	B
L6	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	B
L7	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	B
L8	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	B
L9	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	B
L10	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	LIGHTING	B
L11	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	LIGHTING	B
L12	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	LIGHTING	B
L13	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	B
L14	1	20	RCBO	2.5	GROUND	LIGHTING	B
L15	1	20	RCBO	2.5	GROUND	LIGHTING	B
L16	1	20	RCBO	2.5	GROUND	LIGHTING	B
L17	1	20	RCBO	2.5	GROUND	LIGHTING	B
L18	1	20	RCBO	2.5	GROUND	LIGHTING	B
L19	1	20	RCBO	2.5	DROP OFF	LIGHTING	B
L20	1	20	RCBO	2.5	DROP OFF	LIGHTING	B
L21	1	20	RCBO	2.5	DROP OFF	LIGHTING	B
L22	1	20	RCBO	2.5	RECEPTION	LIGHTING	B
L23	1	20	RCBO	2.5	CUSTOMER LOUNGE	LIGHTING	B
L24	1	20	RCBO	2.5	CIRCULATION	LIGHTING	B
L25	1	20	RCBO	2.5	SHOWROOM	LIGHTING	B
L26	1	20	RCBO	2.5	SHOWROOM	LIGHTING	B
L27	1	20	RCBO	2.5	SHOWROOM	LIGHTING	B
L28	1	20	RCBO	2.5	SHOWROOM	LIGHTING	B
L29	1	20	RCBO	2.5	SHOWROOM	LIGHTING	B
L30	1	20	RCBO	2.5	SHOWROOM	LIGHTING	B
L31	1	20	RCBO	2.5	WORKSHOP	LIGHTING	B
L32	1	20	RCBO	2.5	WORKSHOP	LIGHTING	B
L33	1	20	RCBO	2.5	WORKSHOP	LIGHTING	B
L34	1	20	RCBO	2.5	RECEPTION	LIGHTING	B
L35	1	20	RCBO	2.5	RECEPTION	LIGHTING	B
L36	1	20	RCBO	2.5	MEZZANINE	LIGHTING	B
L37	1	20	RCBO	2.5	MEZZANINE	LIGHTING	B
L38	1	20	RCBO	2.5	MEZZANINE	LIGHTING	B