



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

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C3396a - LLEWELLYN MOTORS SPRINGFIELD - LOT 34

C3396a-0004(B).xls

DISTRIBUTION BOARD DB-A (LOWER GROUND)

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	RCD TYPE B	6.0	LEVEL 1	LIFT	B
P2	3	40		6.0	OIL STORE	COMPRESSOR	B
P3	3	20	RCBO	2.5	AMENITY	HWS	B
P4	3	20	RCBO	2.5	WORKSHOP	RSD	B
P5	3	20	RCBO	2.5	DELIVERY	RSD	B
P6	3	20	RCBO	2.5	EXTERNAL	WASH BAY	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	3	20	RCBO	2.5	WORKSHOP	HOIST	B
P11	1	20	RCBO	2.5	EXTERNAL	PUMP	B
P12	1	20	RCBO	2.5	EXTERNAL	PUMP	B
P13	1	20	RCBO	2.5	EXTERNAL	PUMP	B
P14	1	20	RCBO	2.5	EXTERNAL	GPO	B
P15	1	20	RCBO	2.5	EXTERNAL	IRRIGATION	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	WORKSHOP	GPO	B
P19	1	20	RCBO	2.5	WORKSHOP	GPO	B
P20	1	20	RCBO	2.5	WORKSHOP	GPO	B
P21	1	20	RCBO	2.5	WORKSHOP	GPO	B
P22	1	20	RCBO	2.5	WORKSHOP	GPO	B
P23	1	20	RCBO	2.5	SUPERVISORS DESK	GPO	B
P24	1	20	RCBO	2.5	CIRCULATION	GPO	B
P25	1	20	RCBO	2.5	AMENITY	HD	B
P26	1	20	RCBO	2.5	RECEPTION	AUTO DOOR	B
P27	1	20	RCBO	2.5	CIRCULATION	GPO	B
P28	1	20	RCBO	2.5	DELIVERY	7KW CHARGER	B
P29	1	20	RCBO	2.5	RECEPTION	DESK	B
P30	1	20	RCBO	2.5	DELIVERY	GPO	B
P31	1	20	RCBO	2.5	ADMIN	GPO	B
P32	1	20	RCBO	2.5	ADMIN	GPO	B
P33	1	20	RCBO	2.5	LOUNGE	GPO	B
P34	1	20	RCBO	2.5	PARTS	GPO	B
P35	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	B
P36	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	B
P37	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	B
P38	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	B
P39	1	20	RCBO	2.5	PARTS	HWS	B
P40	1	20	RCBO	2.5	UNIT REPAIR	GPO	B
P41	1	20	RCBO	2.5	LUNCH ROOM	GPO	B
P42	1	20	RCBO	2.5	AMENITY	GPO	B
P43	1	20	RCBO	2.5	WORKSHOP	WHEEL BALANCER	B
P44	1	20	RCBO	2.5	WORKSHOP	TYER CHANGER	B
P45	1	20	RCBO	2.5	WORKSHOP	GPO	B
P46	1	20	RCBO	2.5	WORKSHOP	GPO	B
P47	1	20	RCBO	2.5	WORKSHOP	WHEEL ALINGMENT	B



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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	
P48	1	20	RCBO	2.5	CUSTOMER KIT	COUNTER	B
P49	1	20	RCBO	2.5	CUSTOMER KIT	REF	B
P50	1	20	RCBO	2.5	CUSTOMER KIT	ZIP	B
P51	1	20	RCBO	2.5	CUSTOMER KIT	DW	B
P52	1	20	RCBO	2.5	CUSTOMER KIT	GPO	B
P53	1	20	RCBO	2.5	LUNCH ROOM	GPO	B
P54	1	20	RCBO	2.5	LUNCH ROOM	DW	B
P55	1	20	RCBO	2.5	LUNCH ROOM	REF	B
P56	1	20	RCBO	2.5	SHOWROOM	BLINDS	B
P57	1	20	RCBO	2.5	LEVEL 1	GPO	B
P58	1	20	RCBO	2.5	SHOWROOM	BLINDS	B
P59	1	20	RCBO	2.5	SHOWROOM	AUTO DOOR	B
P60	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	B
P61	1	20	RCBO	2.5	SHOWROOM	BLINDS	B
P62	1	20	RCBO	2.5	SALES	FLOOR BOXES	B
P63	1	20	RCBO	2.5	COMMS ROOM	SECURITY	B
P64	1	20	RCBO	2.5	LEVEL 1	DESKS	B
P65	1	20	RCBO	2.5	LEVEL 1	GPO	B
P66	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	B
P67	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	B
P68	1	20	RCBO	2.5	LOUNGE	GPO	B
P69	1	20	RCBO	2.5	LUNCH ROOM LV 1	GPO	B
P70	1	20	RCBO	2.5	LUNCH ROOM LV 1	REF	B
P71	1	20	RCBO	2.5	LUNCH ROOM LV 1	MW	B
P72	1	20	RCBO	2.5	LUNCH ROOM LV 1	GPO	B
P73	1	20	RCBO	2.5	LUNCH ROOM LV 1	DW	B
P74	1	20	RCBO	2.5	CUSTOMER KIT LV1	COUNTER	B
P75	1	20	RCBO	2.5	CUSTOMER KIT LV1	REF	B
P76	1	20	RCBO	2.5	CUSTOMER KIT LV1	ZIP	B
P77	1	20	RCBO	2.5	CUSTOMER KIT LV1	DW	B
P78	1	20	RCBO	2.5	CUSTOMER KIT LV1	COFFEE	B
P79	1	20	RCBO	2.5	BOARD ROOM	GPO	B
P80	1	20	RCBO	2.5	AMENITY	GPO	B
P81	1	20	RCBO	2.5	OFFICE KIDS	GPO	B
P82	1	20	RCBO	2.5	COMMS ROOM	CR-A	B
P83	1	20	RCBO	2.5	COMMS ROOM	CR-A	B
P84	1	20	RCBO	2.5	COMMS ROOM	AC	B
P85	1	20	RCBO	2.5	EXTERNAL	GPO	B
P86	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	B

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