

### **ELECTRICAL DESIGN GROUP**

ELECTRICAL BUILDING SERVICES CONSULTANTS
P.O. Box 15, SHERWOOD Q. 4075

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# C3396a - LLEWELLYN MOTORS SPRINGFIELD - LOT 34 DISTRIBUTION BOARD DB-A (LOWER GROUND)

C3396a-0004(2).xls

REVISION 2 - 22 JULY 2025

				REV	
FAULT CURRENT:	6KA USING CASCADING	MAIN SWITCH:	250A NON AUTO LOAD BREAK	А	
CHASSIS SIZE:	2 X 96 POLE	SUPPLIED FROM:	MSB	Α	
CHASSIS RATING:	250A	SUPPLY CABLE:	4C70	Α	
PHASES:	3			Α	
PROVIDE THE PRIMITIA FILL WINTLEMPTY DIN DAIL TO ACCOMMODATE FILTIPE CONTACTORS AND CONTROL S. PROVIDE THE PR					

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

CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm <sup>2</sup> )	LOCATION	CIRCUIT USE	
	FH						
P1	3	40	RCD TYPE B	6.0	LEVEL 1	LIFT	В
P2	3	40	MCB	6.0	OIL STORE	COMPRESSOR	2
P3	3	20	RCBO	2.5	AMENITY	HWS	В
P4	3	20	RCBO	2.5	WORKSHOP	RSD	В
P5	3	20	RCBO	2.5	DELIVERY	RSD	В
P6	3	20	RCBO	2.5	EXTERNAL	WASH BAY	В
P7	3	20	RCBO	2.5	WORKSHOP	HOIST	В
P8	3	20	RCBO	2.5	WORKSHOP	HOIST	В
P9	3	20	RCBO	2.5	WORKSHOP	HOIST	В
P10	3	20	RCBO	2.5	WORKSHOP	HOIST	В
P11	1	20	RCBO	2.5	EXTERNAL	PUMP	В
P12	1	20	RCBO	2.5	EXTERNAL	PUMP	В
P13	1	20	RCBO	2.5	EXTERNAL	PUMP	В
P14	1	20	RCBO	2.5	EXTERNAL	GPO	В
P15	1	20	RCBO	2.5	EXTERNAL	IRRIGATION	В
P16	1	20	RCBO	2.5	WORKSHOP	GPO	В
P17	1	20	RCBO	2.5	WORKSHOP	GPO	В
P18	1	20	RCBO	2.5	WORKSHOP	GPO	В
P19	1	20	RCBO	2.5	WORKSHOP	GPO	В
P20	1	20	RCBO	2.5	WORKSHOP	GPO	В
P21	1	20	RCBO	2.5	WORKSHOP	GPO	В
P22	1	20	RCBO	2.5	WORKSHOP	GPO	В
P23	1	20	RCBO	2.5	SUPERVISORS DESK	GPO	В
P24	1	20	RCBO	2.5	CIRCULATION	GPO	В
P25	1	20	RCBO	2.5	AMENITY	HD	В
P26	1	20	RCBO	2.5	RECEPTION	AUTO DOOR	В
P27	1	20	RCBO	2.5	CIRCULATION	GPO	В
P28	1	20	RCBO + SHUNT TRIP	2.5	DELIVERY	7KW CHARGER	2
P29	1	20	RCBO	2.5	RECEPTION	DESK	В
P30	1	20	RCBO	2.5	DELIVERY	GPO	В
P31	1	20	RCBO	2.5	ADMIN	GPO	В
P32	1	20	RCBO	2.5	ADMIN	GPO	В
P33	1	20	RCBO	2.5	LOUNGE	GPO	В
P34	1	20	RCBO	2.5	PARTS	GPO	В
P35	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	В
P36	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	В
P37	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	В
P38	1	20	RCBO	2.5	SPECIAL TOOLS	GPO	В
P39	1	20	RCBO	2.5	PARTS	HWS	В
P40	1	20	RCBO	2.5	UNIT REPAIR	GPO	В
P41	1	20	RCBO	2.5	LUNCH ROOM	GPO	В
P42	1	20	RCBO	2.5	AMENITY	GPO	В
P43	1	20	RCBO	2.5	WORKSHOP	WHEEL BALANCER	В
P44	1	20	RCBO	2.5	WORKSHOP	TYER CHANGER	В
P45	1	20	RCBO	2.5	WORKSHOP	GPO	В
P46	1	20	RCBO	2.5	WORKSHOP	GPO	В
P47	1	20	RCBO	2.5	WORKSHOP	WHEEL ALINGMENT	В

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REVISION 2 - 22 JULY 2025

				REV	l
FAULT CURRENT:	6KA USING CASCADING	MAIN SWITCH:	250A NON AUTO LOAD BREAK	А	
CHASSIS SIZE:	2 X 96 POLE	SUPPLIED FROM:	MSB	Α	
CHASSIS RATING:	250A	SUPPLY CABLE:	4C70	Α	
PHASES:	3			Α	l

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

CIDC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE	LOCATION	CIRCUIT	
CIRC	PH			SIZE ( mm <sup>2</sup> )	LOCATION	USE	
P48	1	20	RCBO	2.5	CUSTOMER KIT	COUNTER	В
P49	1	20	RCBO	2.5	CUSTOMER KIT	REF	В
P50	1	20	RCBO	2.5	CUSTOMER KIT	ZIP	В
P51	1	20	RCBO	2.5	CUSTOMER KIT	DW	В
P52	1	20	RCBO	2.5	CUSTOMER KIT	GPO	В
P53	1	20	RCBO	2.5	LUNCH ROOM	GPO	В
P54	1	20	RCBO	2.5	LUNCH ROOM	DW	В
P55	1	20	RCBO	2.5	LUNCH ROOM	REF	В
P56	1	20	RCBO	2.5	SHOWROOM	BLINDS	В
P57	1	20	RCBO	2.5	LEVEL 1	GPO	В
P58	1	20	RCBO	2.5	SHOWROOM	BLINDS	В
P59	1	20	RCBO	2.5	SHOWROOM	AUTO DOOR	В
P60	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	В
P61	1	20	RCBO	2.5	SHOWROOM	BLINDS	В
P62	1	20	RCBO	2.5	SALES	FLOOR BOXES	В
P63	1	20	RCBO	2.5	COMMS ROOM	SECURITY	В
P64	1	20	RCBO	2.5	LEVEL 1	DESKS	В
P65	1	20	RCBO	2.5	LEVEL 1	GPO	В
P66	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	В
P67	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	В
P68	1	20	RCBO	2.5	LOUNGE	GPO	В
P69	1	20	RCBO	2.5	LUNCH ROOM LV 1	GPO	В
P70	1	20	RCBO	2.5	LUNCH ROOM LV 1	REF	В
P71	1	20	RCBO	2.5	LUNCH ROOM LV 1	MW	В
P72	1	20	RCBO	2.5	LUNCH ROOM LV 1	GPO	В
P73	1	20	RCBO	2.5	LUNCH ROOM LV 1	DW	В
P74	1	20	RCBO	2.5	CUSTOMER KIT LV1	COUNTER	В
P75	1	20	RCBO	2.5	CUSTOMER KIT LV1	REF	В
P76	1	20	RCBO	2.5	CUSTOMER KIT LV1	ZIP	В
P77	1	20	RCBO	2.5	CUSTOMER KIT LV1	DW	В
P78	1	20	RCBO	2.5	CUSTOMER KIT LV1	COFFEE	В
P79	1	20	RCBO	2.5	BOARD ROOM	GPO	В
P80	1	20	RCBO	2.5	AMENITY	GPO	В
P81	1	20	RCBO	2.5	OFFICE KIDS	GPO	В
P82	1	20	RCBO	2.5	COMMS ROOM	CR-A	В
P83	1	20	RCBO	2.5	COMMS ROOM	CR-A	В
P84	1	20	RCBO	2.5	COMMS ROOM	AC	В
P85	1	20	RCBO	2.5	EXTERNAL	GPO	В
P86	1	20	RCBO	2.5	SHOWROOM	FLOOR BOXES	В
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	CHASSIS SIZE: 2 X 96 POLE SUPPLIED FROM: MSB						Α
	CHASSIS RATING: 250A SUPPLY CABLE: 4C70						А
		PHASES:	3				А
WITH	AN AS229	DB WITH A FULL WIDTH EM 3 EMERGENCY LIGHTING ROTECTION. EACH CUB	CONTROL SYSTEM TO C	ONTROL THE ASSOC	IATED EMERGENCY LIGHT	TS. PROVIDE THE DB	А
		CIRCUIT	CONTROL	CABLE		CIRCUIT	
CIRC	PH		EQUIPMENT		LOCATION	USE	<del>                                     </del>
		BREAKER (amps)	EQUIPMENT	SIZE ( mm <sup>2</sup> )		USE	
L1	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	FAÇADE	SIGN	В
L2	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	FAÇADE	SIGN	В
L3	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	В
L4	1	20	RCBO PE CELL ON DUSK OFF DAWN	4.0	EXTERNAL	LIGHTING	В
L5	1	20	RCBO PE CELL ON DUSK OFF DAWN	4.0	EXTERNAL	LIGHTING	В
L6	1	32	RCBO PE CELL ON DUSK OFF DAWN	6.0	EXTERNAL	PYLON	В
L7	1	20	RCBO	2.5	RAMP	LIGHTING	В
L8	1	20	RCBO	2.5	LOWER GROUND	LIGHTING	В
L9	1	20	RCBO	2.5	LOWER GROUND	LIGHTING	В
L10	1	20	RCBO	2.5	LOWER GROUND	LIGHTING	В
L11	1	20	RCBO	2.5	LOWER GROUND	LIGHTING	В
L12	1	20	RCBO	2.5	LOWER GROUND	LIGHTING	В
L13	1	20	RCBO	2.5	LOWER GROUND	LIGHTING	В
L14	1	20	RCBO	2.5	LOWER GROUND	LIGHTING	В
L15	1	20	RCBO	2.5	LOWER GROUND	LIGHTING	В
L16	1	20	RCBO	2.5	LOWER GROUND	LIGHTING	В
L17	1	20	RCBO	2.5	UPPER GROUND	LIGHTING	В
L18	1	20	RCBO	2.5	UPPER GROUND	LIGHTING	В
L19	1	20	RCBO	2.5	UPPER GROUND	LIGHTING	В
L20	1	20	RCBO	2.5	UPPER GROUND	LIGHTING	В
L21	1	20	RCBO	2.5	UPPER GROUND	LIGHTING	В
L22	1	20	RCBO	2.5	UPPER GROUND	LIGHTING	В
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