



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C2691a - 20 COULSON STREET, WACOL

C2691a-0004(A).xls

DISTRIBUTION BOARD DB-3

REVISION A - 18 AUGUST 2022

							REV
FAULT CURRENT: 6kA UTILISING CASCADING MAIN SWITCH: 250A NON AUTO LOAD BREAK SWITCH							A
CHASSIS SIZE: 84 POLE POWER 24 POLE LIGHTING SUPPLIED FROM: MSB							A
CHASSIS RATING: 250A SUPPLY CABLE: 1C 120							A
PHASES: 3							A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE INITIAL CONTROL EQUIPMENT. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. PROVIDE A NCC BCA PART J8.3(A) TIME OF USE CONSUMPTION METER ON THE LOAD SIDE OF THE MAIN SWITCH. NCC BCA PART J8.3(B) AND J8.3(C) CENTRALLY MONITORED METERING OF EACH CHASSIS AND THE MECHANICAL SERVICES. PROVIDE A SHOP DRAWING OF THE SWITCHBOARD INCLUDING DETAILS OF ALL COMPONENTS AND THE METERING SYSTEM FOR APPROVAL.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P1	3	20	RCBO	2.5		RSD	A
P2	1	20	RCBO	2.5	WALL	GPO	A
P3	3	20	RCBO	2.5		RSD	A
P4	3	20	RCBO	2.5		RSD	A
P5	1	20	RCBO	2.5	WALL	GPO	A
P6	1	20	RCBO	2.5	WALL	GPO	A
P7	3	20	RCBO	2.5		COMPRESSOR 2	A
P8	1	20	RCBO	2.5		DRYER 2	A
P9	3	20	RCBO	2.5		COMPRESSOR 1	A
P10	1	20	RCBO	2.5		DRYER 1	A
P11	1	20	RCBO	2.5	WALL	GPO	A
P12	1	20	RCBO	2.5	WALL	GPO	A
P13	1	20	RCBO	2.5	WALL	GPO	A
P14	1	20	RCBO	2.5	WALL	GPO	A
P15	1	20	RCBO	2.5	WALL	GPO	A
P16	1	20	RCBO	2.5	WALL	GPO	A
P17	3	20	RCBO	2.5	WELDING	SUS	A
P18	1	20	RCBO	2.5	WELDING	SUS	A
P19	3	20	RCBO	2.5	WELDING	SUS	A
P20	1	20	RCBO	2.5	WELDING	SUS	A
P21	3	20	RCBO	2.5	SPOT WELD	SUS	A
P22	1	20	RCBO	2.5	SPOT WELD	SUS	A
P23	3	20	RCBO	2.5	WELDING	SUS	A
P24	1	20	RCBO	2.5	WELDING	SUS	A
P25	3	20	RCBO	2.5	WELDING	SUS	A
P26	1	20	RCBO	2.5	WELDING	SUS	A
P27	3	20	RCBO	2.5	WELDING	SUS	A
P28	1	20	RCBO	2.5	WELDING	SUS	A
P29	3	20	RCBO	2.5	ROLLING	SUS	A
P30	1	20	RCBO	2.5	ROLLING	SUS	A
P31	3	20	RCBO	2.5	WELDING	SUS	A
P32	1	20	RCBO	2.5	WELDING	SUS	A
P33	3	20	RCBO	2.5	WELDING	SUS	A
P34	1	20	RCBO	2.5	WELDING	SUS	A
P35	3	20	RCBO	2.5	WELDING	SUS	A
P36	1	20	RCBO	2.5	WELDING	SUS	A
P37	3	20	RCBO	2.5	GRINDING	SUS	A
P38	1	20	RCBO	2.5	GRINDING	SUS	A

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