



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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C3684a - CBMG BOWEN HILLS

C3684a-0004(A).xls

DISTRIBUTION BOARD DB-A (GROUND LEVEL)

REVISION A - 05 MAY 2026

							REV	
FAULT CURRENT:		6KA USING CASCADING			MAIN SWITCH:		250A NON AUTO LOAD BREAK	A
CHASSIS SIZE:		96 POLE			SUPPLIED FROM:		MSB	A
CHASSIS RATING:		250A			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		
P1	1	20	RCBO	2.5	MEZZANINE	MAINTENANCE	A	
P2	1	20	RCBO	2.5	MEZZANINE	CRA	A	
P3	1	20	RCBO	2.5	MEZZANINE	TRAINING	A	
P4	1	20	RCBO	2.5	MEZZANINE	PLANT	A	
P5	3	40	MCB	6.0	MEZZANINE	COMPRESSOR	A	
P6	1	20	RCBO	2.5	SHOWROOM	GPO	A	
P7							A	
P8	1	20	RCBO	2.5	SHOWROOM	GPO	A	
P9	1	20	RCBO	2.5	SHOWROOM	GPO	A	
P10	1	20	RCBO	2.5	SHOWROOM	GPO	A	
P11	1	20	RCBO	2.5	SHOWROOM	GPO	A	
P12	1	20	RCBO	2.5	SHOWROOM	CLEANING	A	
P13	1	20	RCBO	2.5	SHOWROOM	AUTO DOOR	A	
P14	1	20	RCBO	2.5	AMENITY	HD	A	
P15	3	40	MCB	6.0		19.7KW HWS	A	
P16	1	20	RCBO	2.5	SHOWROOM	GPO	A	
P17	1	20	RCBO	2.5	SHOWROOM	GPO	A	
P18	1	20	RCBO	2.5	SHOWROOM	TV	A	
P19	1	20	RCBO	2.5	KITCHEN	COFFEE	A	
P20	1	20	RCBO	2.5	KITCHEN	GPO	A	
P21	1	20	RCBO	2.5	KITCHEN	REF	A	
P22	1	20	RCBO	2.5	KITCHEN	DW	A	
P23	1	20	RCBO	2.5	KITCHEN	AUTO BOILER	A	
P24	3	40	MCB	6.0	KITCHEN	19.7KW HWS	A	
P25	1	20	RCBO	2.5	WORKSHOP	PUMP	A	
P26	1	20	RCBO	2.5	WORKSHOP	CLEANING	A	
P27	1	20	RCBO	2.5	WORKSHOP	GPO	A	
P28	1	20	RCBO	2.5	WORKSHOP	GPO	A	
P29	1	20	RCBO	2.5	WORKSHOP	TOOLS	A	
P30	1	20	RCBO	2.5	WORKSHOP	GPO	A	
P31	1	20	RCBO	2.5	CUST KIT	GPO	A	
P32	1	20	RCBO	2.5	WORKSHOP	SERVICE	A	
P33	3	20	RCBO	2.5	WORKSHOP	RSD	A	
P34	1	20	RCBO	2.5	WORKSHOP	SERVICE	A	
P35	1	20	RCBO	2.5	WORKSHOP	SERVICE	A	
P36	3	20	RCBO	2.5	WORKSHOP	HOIST	A	
P37	3	20	RCBO	2.5	WORKSHOP	HOIST	A	
P38	3	20	RCBO	2.5	WORKSHOP	HOIST	A	



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CHASSIS SIZE: 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	
L1	1	20	RCBO	2.5	GROUND	LIGHTING	A
L2	1	20	RCBO	2.5	GROUND	LIGHTING	A
L3	1	20	RCBO	2.5	GROUND	LIGHTING	A
L4	1	20	RCBO	2.5	GROUND	LIGHTING	A
L5	1	20	RCBO	2.5	GROUND	LIGHTING	A
L6	1	20	RCBO	2.5	GROUND	LIGHTING	A
L7	1	20	RCBO	2.5	GROUND	LIGHTING	A
L8	1	20	RCBO	2.5	GROUND	LIGHTING	A
L9	1	20	RCBO	2.5	GROUND	LIGHTING	A
L10	1	20	RCBO	2.5	GROUND	LIGHTING	A
L11	1	20	RCBO	2.5	GROUND	LIGHTING	A
L12	1	20	RCBO	2.5	GROUND	LIGHTING	A
L13	1	20	RCBO	2.5	GROUND	LIGHTING	A
L14	1	20	RCBO	2.5	GROUND	LIGHTING	A
L15	1	20	RCBO	2.5	GROUND	LIGHTING	A
L16	1	20	RCBO	2.5	MEZZANINE	LIGHTING	A
L17	1	20	PE CELL ON DUSK OFF	2.5	EXTERNAL	SIGN	A
L18	1	20	PE CELL ON DUSK OFF	2.5	EXTERNAL	SIGN	A