



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375 Fax: (07) 3716 0222

Web Site: [www.edg.net.au](http://www.edg.net.au) Email: [brisbane@edg.net.au](mailto:brisbane@edg.net.au)

C2083a - ACGS - VIKING CAFE & PREP SCHOOL GLAS

C2083a-0010(C3).xls

DISTRIBUTION BOARD DB-D (PREP GLAS BUILDING)

REVISION C3 - 01 JULY 2020

							REV
FAULT CURRENT:		6kA	MAIN SWITCH:		160A NON AUTO LOAD BREAK		T1
CHASSIS SIZE:		84 POLES					T1
CHASSIS RATING:		250A	ALL SWITCHGEAR IS TO BE SCHNEIDER TO MATCH THE EXISTING SWITCHGEAR USED ACROSS THE SITE				T1
PHASES:		3					T1
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. PROVIDE THE DB WITH A BMS CONTROLS CUBICAL HOUSING THE BMS EQUIPMENT. DB-D IS TO BE 700MM WIDE x NO MORE THAN 2200 HIGH							T1
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm2 )	LOCATION	CIRCUIT USE	
P1	1	20	RCD	2.5	GROUND	SECURITY	T1
P2	1	20	RCD	2.5	GROUND	OFFICE	T1
P3	1	20	RCD	2.5	EXTERNAL	GPOs	T1
P4	1	20	RCD	2.5	EXTERNAL	GPOs	T1
P5	1	20	RCD	2.5	EXTERNAL	GPOs	T1
P6	3	40	RCD	6.0	EXTERNAL	GPOs	T1
P7	1	20	RCD	2.5	MAKER SPACE	REF	T1
P8	1	40	RCD	6.0	MAKER SPACE	COOK TOP	T1
P9	1	20	RCD	2.5	MAKER SPACE	OVEN	T1
P10	1	20	RCD	2.5	MAKER SPACE	GPOs	T1
P11							C2
P12	1	20	RCD	2.5	ART 2	GPOs	T1
P13	1	20	RCD	2.5	MAKER SPACE	GPOs	C3
P14	1	20	RCD	2.5	ART 1	GPOs	T1
P15	1	20	RCD	2.5	ART 1	GPOs	T1
P16	1	20	RCD	2.5	STORE	GPOs	T1
P17	3	32	RCD	6.0	GROUND	18KW KILN	T1
P18	1	20	RCD	2.5	GROUND	CLEANING	T1
P19	1	20	RCD	2.5	LEVEL 1	PLANT DECK GPOs	T1
P20	1	20	RCD	2.5	LEVEL 1	GLA 1 GPOs	T1
P21	1	20	RCD	2.5	LEVEL 1	GLA 2 GPOs	T1
P22	1	20	RCD	2.5	LEVEL 1	GLA 3 GPOs	T1
P23	1	20	RCD	2.5	LEVEL 1	CLEANING	T1
P24	1	20	RCD	2.5	GROUND	VR	T2
P25	3	32 C CURVE		10 + 10 EARTH	LEVEL 1	LIFT	T1
P26	1	20	RCD	2.5	LEVEL 1	CR-P	T1
P27	1	20	RCD	2.5	WITHDRAW	GPOs	T1
P28	1	20	RCD	2.5	LEVEL 1	GPOs	T1
P29	1	20	RCD	2.5	LEVEL 1	PROJECTOR	T1
P30	1	20	RCD	2.5	EXTERNAL	DRINK FOUNTAIN	T1
P31	1	40	RCD	6.0	LEVEL 1	HWS	T1
P32	1	20	RCD	2.5	LEVEL 1	GLA 1 CHARGERS	T1
P33	1	20	RCD	2.5	LEVEL 1	GLA 2 CHARGERS	T1
P34	1	20	RCD	2.5	LEVEL 1	GLA 3 CHARGERS	T1
P35	1	20	RCD	2.5	GROUND	FIP	C2



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L1	1	20	RCD	2.5	EXTERNAL	LIGHTING	T1
L2	1	20	RCD	2.5	OFFICE	LIGHTING	T1
L3	1	20	RCD	2.5	FOYER	LIGHTING	T1
L4	1	20	RCD	2.5	ART 1	LIGHTING	T1
L5	1	20	RCD	2.5	ART 2	LIGHTING	T1
L6	1	20	RCD	2.5	MAKER SPACE	LIGHTING	T1
L7	1	20	RCD	2.5	WITHDRAW AMENITY	LIGHTING	T1
L8	1	20	RCD	2.5	GROUND CIRC	LIGHTING	T1
L9	1	20	RCD	2.5	STAIR	LIGHTING	T1
L10	1	20	RCD	2.5	STAIR	LIGHTING	T1
L11	1	20	RCD	2.5	LEVEL 1 CIRC	LIGHTING	T1
L12	1	20	RCD	2.5	GLA 1	LIGHTING	T1
L13	1	20	RCD	2.5	GLA 2	LIGHTING	T1
L14	1	20	RCD	2.5	GLA 3	LIGHTING	T1
L15	1	20	RCD	2.5	EXTERNAL	LIGHTING	T1
L16	1	20	RCD	2.5	EXTERNAL	LIGHTING	T1