

# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

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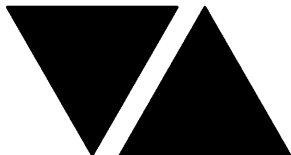
C2083a - ACGS - VIKING CAFE & PREP SCHOOL GLAS

C2083a-0008(C1).xls

DISTRIBUTION BOARD DB-1 (VIKING)

REVISION C1 - 24 MARCH 2020

							REV
FAULT CURRENT:		6kA		MAIN SWITCH:		250A 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. REFER TO THE DB-1 / DB-K SCHEMATIC FOR THE CONFIGURATION AND DETAILS OF THE 250 A ISOLATOR TO SUPPLY DB-K DB-1 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	FOYER GPOs	T1
P2	1	20	RCD	2.5	GROUND	FIP	T1
P3	1	20	RCD	2.5	GROUND	DINING GPOs	T1
P4	1	20	RCD	2.5	GROUND	AUTO DOORS	T1
P5	1	20	RCD	2.5	EXTERNAL	DRINK FOUNTAINS	T1
P6	1	20	RCD	2.5	GROUND	DINING GPOs	T1
P7	1	20	RCD	2.5	SELF SERVE	AUTO BOILER	T1
P8	1	20	RCD	2.5	SELF SERVE	AUTO BOILER	T1
P9	1	20	RCD	2.5	AC DECK ROOF SPACE	GPOs	T1
P10	1	20	RCD	2.5	LEVEL 1	LOUNGE GPOs	T1
P11	1	20	RCD	2.5	LEVEL 1	OFFICE GPOs	T1
P12	1	20	RCD	2.5	LEVEL 1	GLA 1	T1
P13	1	20	RCD	2.5	LEVEL 1	GLA 2	T1
P14	1	20	RCD	2.5	LEVEL 1	GLA 3	T1
P15	1	20	RCD	2.5	LEVEL 1	GLA 4	T1
P16	1	20	RCD	2.5	LEVEL 1	GLA 5	T1
P17	1	20	RCD	2.5	LEVEL 1	GLA 6	T1
P18	1	20	RCD	2.5	LEVEL 1	CR-A	T1
P19	1	20	RCD	2.5	LEVEL 1	SECURITY	T1
P20	3	32 C CURVE		10 + 10 EARTH	LEVEL 1	LIFT	T1
P21	1	20	RCD	2.5	SELF SERVE	GPO	T1
P22	1	20	RCD	2.5	SELF SERVE	GPO	T1
P23	1	20	RCD	2.5	SELF SERVE	GPO	T1
P24	1	20	RCD	2.5	SELF SERVE	GPO	T1
P25	1	20	RCD	2.5	SELF SERVE	GPO	T1
P26	1	20	RCD	2.5	SELF SERVE	GPO	T1
P27	1	20	RCD	2.5	SELF SERVE	GPO	T1
P28	1	20	RCD	4.0	EXTERNAL	BBQ	T1
P29	1	20	RCD	4.0	EXTERNAL	BBQ	T1
P30	1	20	RCD	4.0	EXTERNAL	BBQ	T1
P31	3	40	RCD	6.0	GROUND	HWS	T2



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							T1
L1	1	20	RCD	2.5	EXTERNAL	LIGHTING	T1
L2	1	20	RCD	2.5	EXTERNAL	LIGHTING	T1
L3	1	20	RCD	2.5	GROUND	LIGHTING	T1
L4	1	20	RCD	2.5	KITCHEN	LIGHTING	T1
L5	1	20	RCD	2.5	SERVERY	LIGHTING	T1
L6	1	20	RCD	2.5	DINING	LIGHTING	T1
L7	1	20	RCD	2.5	DINING	LIGHTING	T1
L8	1	20	RCD	2.5	LEVEL 1	LIGHTING	T1
L9	1	20	RCD	2.5	VOID STAIR	LIGHTING	T1
L10	1	20	RCD	2.5	LEVEL 1	LIGHTING	T1
L11	1	20	RCD	2.5	GLA 1	LIGHTING	T1
L12	1	20	RCD	2.5	GLA 2	LIGHTING	T1
L13	1	20	RCD	2.5	GLA 3	LIGHTING	T1
L14	1	20	RCD	2.5	GLA 4	LIGHTING	T1
L15	1	20	RCD	2.5	GLA 5	LIGHTING	T1
L16	1	20	RCD	2.5	GLA 6	LIGHTING	T1
L17	1	20	RCD	2.5	EXTERNAL	LIGHTING	T1
L18	1	20	RCD	2.5	EXTERNAL	LIGHTING	T1
L19	1	20	RCD	2.5	EXTERNAL	LIGHTING	T1
L20	1	20	RCD	2.5	EXTERNAL	LIGHTING	T1