



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C2803a - RYAN CATHOLIC COLLEGE - TECHNOLOGY CENTRE

C2803a-0006(E).xls

DISTRIBUTION BOARD DB-B

REVISION E - 06 APRIL 2023

							REV
FAULT CURRENT:		6kA UTILISING CASCADING		MAIN SWITCH:		160A NON AUTO LOAD BREAK SWITCH	A
CHASSIS SIZE:		2 X 60 POLES		SUPPLIED FROM:		DB-18	B
CHASSIS RATING:		250A		SUPPLY CABLE:		1C 50	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 SURGE PROTECTION. CONTROL OF THE DB-C CIRCUITS FROM ESO 4, ESO 5 AND ESO 6. PROVIDE A SHOP DRAWING FOR APPROVAL.							B
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P1	3	32	RCBO	6.0	MATERIALS	GUILLotine	B
P2	3	25	RCBO	4.0	MATERIALS	PAN BREAK	B
P3	3	20	RCBO	2.5	MATERIALS	WELDING EXHAUST	B
P4	1	32	RCBO	6.0	MATERIALS	PLASMA CUTTER	B
P5	1	20	RCBO	2.5	MATERIALS	COMPUTER	B
P6	1	20	RCBO	2.5	MATERIALS	PRESS	B
P7	1	20	RCBO	2.5	MATERIALS	LINISHER	B
P8	1	20	RCBO	2.5	MATERIALS	WELDER	B
P9	1	20	RCBO	2.5	MATERIALS	WELDER	B
P10	1	20	RCBO	2.5	MATERIALS	WELDER	B
P11	1	20	RCBO	2.5	MATERIALS	GRINDER	B
P12	1	20	RCBO	2.5	MATERIALS	WELDER	B
P13	1	20	RCBO	2.5	MATERIALS	WELDER	B
P14	1	20	RCBO	2.5	MATERIALS	WELDER	B
P15	1	20	RCBO	2.5	MATERIALS	GRINDER	B
P16	1	20	RCBO	2.5	MATERIALS	DESK	B
P17	1	20	RCBO	2.5	MATERIALS	TV	B
P18	1	20	RCBO	2.5	MATERIALS	GPOs	B
P19	1	20	RCBO	2.5	MATERIALS	CHARGER	B
P20	3	20	RCBO	2.5	MATERIALS	LATHE	B
P21	3	20	RCBO	2.5	MATERIALS	LATHE	B
P22	3	20	RCBO	2.5	MATERIALS	LATHE	B
P23	3	20	RCBO	2.5	MATERIALS	GEARED HEAD MILL	D
P24	1	20	RCBO	2.5	MATERIALS	MILL DRILL	B
P25	3	20	RCBO	2.5	MATERIALS	GEARED HEAD MILL	D
P26	1	20	RCBO	2.5	MATERIALS	MILL DRILL	B
P27	1	20	RCBO	2.5	MATERIALS	LINISHER	B
P28	3	20	RCBO	2.5	MATERIALS	LATHE	B
P29	1	20	RCBO	2.5	MATERIALS	TURRET MILLER	D
P30	3	20	RCBO	2.5	MATERIALS	CURVER	B
P31							C
P32	1	20	RCBO	2.5	MATERIALS	COLD SAW	B
P33	1	20	RCBO	2.5	MATERIALS	GPOs	B
P34	1	20	RCBO	2.5	STORE	GPOs	B
P35	1	20	RCBO	2.5	MATERIALS	20A GPO	C
P36	1	20	RCBO	2.5	MATERIALS	20A GPO	C
P37	1	20	RCBO	2.5	MATERIALS	20A GPO	C
P38							E
P39	3	20	RCBO	2.5	MATERIALS	3PH 20A	C
P40	3	20	RCBO	2.5	MATERIALS	3PH 20A	C