ELECTRICAL DESIGN GROUP
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C2803a - RYAN CATHOLIC COLLEGE - TECHNOLOGY CENTRE **C2803a-0005(B).xls**

DISTRIBUTION BOARD DB-A

REVISION B - 19 SEPTEMBER 2022

				REV
FAULT CURRENT:	6kA UTILISING CASCADING	MAIN SWITCH:	160A NON AUTO LOAD BREAK SWITCH	A
CHASSIS SIZE:	48 POLES	SUPPLIED FROM:	DB-18	A
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. PROVIDE SPACE / REMOVABLE LINKS TO ALLOW A 160AMP CONTACTOR TO BE ADDED IN THE FUTURE BETWEEN THE MAIN SWITCH AND CHASSIS TO CONTROL OF THE DB-B CIRCUITS. PROVIDE A SHOP DRAWING FOR APPROVAL. — B

CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm^2)	LOCATION	CIRCUIT USE	A / A
P1	1	20	RCBO	2.5	MATERIALS	BENCH	A
P2	1	20	RCBO	2.5	MATERIALS	BENCH	A
P3	1	20	RCBO	2.5	MATERIALS	BENCH	A
P4	1	20	RCBO	2.5	MAKER SPACE	BENCH	A
P5	1	20	RCBO	2.5	MAKER SPACE	TV	A
P6	1	20	RCBO	2.5	MAKER SPACE	CLEANING	A
P7	1	20	RCBO	2.5	MAKER SPACE	CNC	A
P8	1	20	RCBO	2.5	MAKER SPACE	CNC	A
P9	1	20	RCBO	2.5	MAKER SPACE	3D PRINTER	A
P10	1	20	RCBO	2.5	MAKER SPACE	3D PRINTER	A
P11	1	20	RCBO	2.5	MAKER SPACE	3D PRINTER	A
P12	1	20	RCBO	2.5	MAKER SPACE	EXTRACT FAN	A
P13	1	20	RCBO	2.5	MAKER SPACE	LASER CUTTER	A
P14	1	20	RCBO	2.5	MAKER SPACE	BENCH	A
P15	1	20	RCBO	2.5	MAKER SPACE	BENCH	A
P16	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P17	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P18	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P19	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P20	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P21	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P22	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P23	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P24	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P25	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P26	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
P27	1	20	RCBO	2.5	MAKER SPACE	SUS GPO	A
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