



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C2803a - RYAN CATHOLIC COLLEGE - TECHNOLOGY CENTRE

C2803a-0009(B).xls

DISTRIBUTION BOARD DB-E

REVISION B - 19 SEPTEMBER 2022

FAULT CURRENT: 6kA CHASSIS SIZE: 84 POLES CHASSIS RATING: 250A PHASES: 3							REV
SUPPLIED FROM: INTEGRAL TO DB-18							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 AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. DB-E IS INTEGRAL TO DB-18 REFER TO THE POWER SCHEMATIC AND THE SPECIFICATION FOR ADDITIONAL DETAILS							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	REV
P1	1	20	RCBO	2.5	EXTERNAL	DRYER	A
P2	1	20	RCBO	2.5	EXTERNAL	GPOs	A
P3	3	25	RCBO	4.0	EXTERNAL	COMPRESSOR	A
P4	3	40	RCBO	6.0	EXTERNAL	AC	A
P5	1	20	RCBO	2.5	EXTERNAL	PUMP	A
P6	1	20	RCBO	2.5	STAFF	REF	A
P7	3	32	RCBO	6.0	STAFF	17.7KW HWS	A
P8	1	20	RCBO	2.5	STAFF	AUTO BOILER	A
P9	1	20	RCBO	2.5	STAFF	KITCHEN	A
P10	1	20	RCBO	2.5	STAFF	MW	A
P11	1	20	RCBO	2.5	MEETING	GPOs	A
P12	1	20	RCBO	2.5	STAFF	CR18	B
P13	1	20	RCBO	2.5	STAFF	SECURITY	A
P14	1	20	RCBO	2.5	STAFF	GPOs	A
P15	1	20	RCBO	2.5	STAFF	CLEANING	A
P16	1	20	RCBO	2.5	STAFF	GPOs	A
P17	1	20	RCBO	2.5	OFFICE	PRINTER	A
P18	1	20	RCBO	2.5	EXTERNAL	DRINKS	A
P19	1	20	RCBO	2.5	STORES	CLEANING	A
P20	3	20	RCBO	2.5	DUST EXTRACTOR	DUST EXTRACTOR	A
P21	3	20	RCBO	2.5	STORES	RSD	A
P22	3	20	RCBO	2.5	COURT	RSD	A
P23	3	20	RCBO	2.5	CONSTRUCTION	RSD	A
P24	3	20	RCBO	2.5	MATERIALS	RSD	A
							A
							A
							A
L1	1	20	RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SECURITY	A
L2	1	20	RCBO	2.5	MAKER SPACE	LIGHTS	A
L3	1	20	RCBO	2.5	OFFICE	LIGHTS	A
L4	1	20	RCBO	2.5	MATERIALS	LIGHTS	A
L5	1	20	RCBO	2.5	MATERIALS	FANS	A
L6	1	20	RCBO	2.5	MATERIALS	FANS	A
L7	1	20	RCBO	2.5	STORES	LIGHTS	A
L8	1	20	RCBO	2.5	CONSTRUCTION	LIGHTS	A
L9	1	20	RCBO	2.5	CONSTRUCTION	FANS	A
L10	1	20	RCBO	2.5	CONSTRUCTION	FANS	A
L11	1	20	RCBO	2.5	COURT	FANS	A
L12	1	20	RCBO	2.5	COURT	LIGHTS	A
L13	1	20	RCBO	2.5	HIGH LEVEL	WINDOWS	B
							A
							A