



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C3592a - ACGS - CHILDCARE

C3592a-0004(A).xls

DISTRIBUTION BOARD DB-A

REVISION A - 20 AUGUST 2025

FAULT CURRENT: 6kA CHASSIS SIZE: 72 POLES CHASSIS RATING: 250A PHASES: 3							REV
MAIN SWITCH: 2500A NON AUTO LOAD BREAK CABLE: USE THE EXISTING SUBMAIN ALL SWITCHGEAR IS TO BE SCHNEIDER TO MATCH THE EXISTING SWITCHGEAR USED ACROSS THE SITE							A
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. ALLOW TO RECONNECT ALL EXISTING CIRCUITS THAT REMAIN WITH NEW SWITCHGEAR AND CONTROLS WITH RCD PROTECTION TO AS3000 THE ESCUTCHEON IS TO BE GLOSS WHITE AND SECURED WITH 1/4 TURN LATCHES ON ONE SIDE AND CHROME PLATED BRASS LIFT OF HINGES ON THE OTHER EXTERNAL COLOUR LIGHT GREY PROVIDE A SHOP DRAWING FOR APPROVAL. RECONNECT THE EXISTING SUB MAIN.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	A
P1	1	20	30mA RCBO	2.5	RECEPTION	FIP	A
P2	1	20	10mA RCBO	2.5	CIRCULATION	CLEANING	A
P3	1	20	30mA RCBO	2.5	ENTRY	AUTO DOOR	A
P4	1	20	30mA RCBO	2.5	RECEPTION	GPOs	A
P5	1	20	30mA RCBO	2.5	RECEPTION	PRINTER	A
P6	1	20	30mA RCBO	2.5	LAUNDRY	GPO	A
P7	1	20	30mA RCBO	2.5	LAUNDRY	WM	A
P8	1	20	10mA RCBO	2.5	NURSERY	GPO	A
P9	1	20	10mA RCBO	2.5	PREP	GPO	A
P10	1	20	10mA RCBO	2.5	PREP	REF	A
P11	1	20	10mA RCBO	2.5	PLAYROOM 6	GPO	A
P12	1	20	10mA RCBO	2.5	PLAYROOM 5	GPO	A
P13	1	20	10mA RCBO	2.5	PLAYROOM 4	GPO	A
P14	1	20	10mA RCBO	2.5	PLAYROOM 1	GPO	A
P15	1	20	10mA RCBO	2.5	PREP	REF	A
P16	1	20	10mA RCBO	2.5	PREP	GPO	A
P17	1	20	10mA RCBO	2.5	PLAYROOM 2	GPO	A
P18	1	20	10mA RCBO	2.5	PREP	GPO	A
P19	1	20	10mA RCBO	2.5	PLAYROOM 3	GPO	A
P20	1	20	30mA RCBO	2.5	KITCHEN	REF	A
P21	1	20	30mA RCBO	2.5	KITCHEN	OVEN	A
P22	1	20	30mA RCBO	2.5	KITCHEN	GPO	A
P23	1	20	30mA RCBO	2.5	KITCHEN	DW	A
P24	1	20	30mA RCBO	2.5	KITCHEN	DW	A
P25	1	20	30mA RCBO	2.5	STAFF	CR-A	A
P26	1	20	30mA RCBO	2.5	STAFF	GPO	A
P27	1	20	30mA RCBO	2.5	STAFF	REF	A
P28	1	20	30mA RCBO	2.5	STAFF	SECURITY	A
P29	1	20	30mA RCBO	2.5	OFFICE	GPO	A
P30	1	20	10mA RCBO	2.5	PREP	REF	A
							A
							A
							A
L1	1	20	30 mA RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	SIGN	A
L2	1	20	30mA RCBO	2.5	RECEPTION	LIGHTING	A
L3	1	20	30mA RCBO	2.5	AMENITY	LIGHTING	A
L4	1	20	30mA RCBO	2.5	PLAYROOM 6	LIGHTING	A
L5	1	20	30mA RCBO	2.5	PLAYROOM 5	LIGHTING	A
L6	1	20	30mA RCBO	2.5	PLAYROOM 4	LIGHTING	A
L7	1	20	30mA RCBO	2.5	PLAYROOM 3	LIGHTING	A
L8	1	20	30mA RCBO	2.5	PLAYROOM 2	LIGHTING	A
L9	1	20	30mA RCBO	2.5	PLAYROOM 1	LIGHTING	A
L10	1	20	30mA RCBO	2.5	OFFICE	LIGHTING	A
L11	1	20	30mA RCBO	2.5	STAFF OFFICE	LIGHTING	A
L12	1	20	30 mA RCBO PE CELL ON DUSK OFF DAWN	2.5	EXTERNAL	LIGHTING	A
							A
							A
							A