

## **ELECTRICAL DESIGN GROUP**

MAIN SWITCH:

ELECTRICAL BUILDING SERVICES CONSULTANTS
P.O. Box 15, SHERWOOD Q. 4075

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100A NON AUTO

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## C3425a - KENMORE COMMUNITY CENTRE DISTRIBUTION BOARD DB-3 REVISION C - 16 FEBRUARY 2025

FAULT CURRENT:

C3425a-0006(C).xls

Α

FAULT CURRENT:	6KA USING CASCADING	MAIN SWITCH:	LOAD BREAK	A
CHASSIS SIZE:	48 POLE	SUPPLIED FROM:	MSB	Α
CHASSIS RATING:	250A	SUPPLY CABLE:	4C16	Α

 S RATING:
 250A
 SUPPLY CABLE:
 4C16
 A

 PHASES:
 3
 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. REFER TO THE NOTES FOR ADDITIONAL REQUIREMENTS RECONNECT ALL OF THE EXISTING DB-3 CIRCUITS THAT REMAIN WITH NEW AS3000 COMPLIANT SWITCHGEAR WITH THE SAME CAPACITY AND FUNCTION

6KA USING CASCADING

CIRC	PH	CIRCUIT	CONTROL	CABLE	LOCATION	CIRCUIT	
		BREAKER (amps)	EQUIPMENT	SIZE ( mm <sup>2</sup> )		USE	
P1	3	25	MCB	4.0	EXTERNAL	11KW DUST EXTRACTOR	С
P2	1	20	RCBO	2.5	KITCHEN	GPO	Α
P3	1	20	RCBO	2.5	KITCHEN	AUTO BOILER	Α
P4	1	20	RCBO	2.5	KITCHEN	REF	Α
P5	3	40		6.0	KITCHEN	HOT WATER	В
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