

ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS P.O. Box 15, SHERWOOD Q. 4075 Phone: (07) 3278 4375 Fax: (07) 3716 0222 Web Site: www.edg.net.au Email: brisbane@edg.net.au

C3120a - ST JOHNS ANGLICAN COLLEGE, FOREST LAKE - AQUATIC CENTRE STAGE 1C3120a-0009(B).xis DISTRIBUTION BOARD DB-2 (GROUND) REVISION B - 25 JUNE 2024

REV FAULT CURRENT: 6kA UTILISING CASCADING А CHASSIS SIZE: 2X 84 POLES А CHASSIS RATING: 250A A PHASES 3 A PROVIDE THE DISTRIBUTION BOARD WITH SURGE PROTECTION AND AN AS2293 TESTING FACILITY. REFER TO THE SCHEMATIC FOR THE ARRANGEMENT DETAILS. ENSURE THE CIRCUIT BREAKERS AND LOAD ARE EVENLY DISTRIBUTED ACROSS THE CHASSIS EACH CUBICAL CONTAINING A 84 POLE CHASSIS MUST BE AT LEAST 700 WIDE. PROVIDE THE DISTRIBUTION BOARD A WITH A SPARE WILL WIDTH HORIZONTAL DIN RAIL IN ADDITION TO THE DIN RAIL REQUIRED TO ACCOMMODATE THE CONTROLS SUPPLIED AS PART OF THE CONTRACT WORKS. CIRCUIT CONTROL CABLE CIRCUIT LOCATION CIRC PH EQUIPMENT **BREAKER** (amps) SIZE (mm2) USE P1 1 RCBO 2.5 BASEMENT BBQ А 20 P2 1 20 RCBO 2.5 BASEMENT MAINTENANCE А P3 BASEMENT 20 RCBO 2.5 OFFICE А 1 P4 1 20 RCBO 2.5 BASEMENT STAFF А P5 20 RCBO BASEMENT ADMINISTRATION А 1 2.5 P6 1 20 RCBO 2.5 BASEMENT DISPLAY А P7 1 20 RCBO 25 BASEMENT HD Α P8 1 20 **RCBO** 2.5 BASEMENT SUPA TAP А P9 BASEMENT SUPA TAP А 1 20 RCBO 2.5 P10 BASEMENT KITCHEN 20 RCBO 2.5 А 1 P11 1 20 RCBO 25 BASEMENT REF / MW Α P12 1 20 RCBO 2.5 GROUND LEVEL STAFF А P13 1 20 RCBO 2.5 GROUND LEVEL STAFF А P14 20 RCBO 2.5 GROUND LEVEL А 1 GLA 4 P15 1 20 RCBO 2.5 GROUND LEVEL GLA 3 А P16 1 20 RCBO 2.5 GROUND LEVEL GLA 2 А P17 1 20 RCBO 2.5 GROUND LEVEL GLA 1 А P18 20 RCBO 2.5 GROUND LEVEL CIRCULATION Α 1 P19 1 20 RCBO 25 GROUND LEVEL CIRCULATION Α P20 GROUND LEVEL А 1 20 RCBO 2.5 BBQ P21 20 **RCBO** 2.5 GROUND LEVEL COMMON А 1 P22 1 20 RCBO 2.5 GROUND LEVEL SUPA TAP Α P23 1 20 RCBO 2.5 GROUND LEVEL SUPA TAP А P24 1 20 RCBO 2.5 GROUND LEVEL KITCHEN А P25 REF / MW 1 20 RCBO 2.5 GROUND LEVEL Α P26 1 20 RCBO 2.5 LEVEL 1 CLASS 1 Α P27 1 RCBO LEVEL 1 CLASS 2 А 20 2.5 P28 1 20 RCBO 2.5 LEVEL 1 CLASS 3 А P29 1 20 RCBO 2.5 LEVEL 1 CLASS 4 А P30 1 20 RCBO 25 LEVEL 1 STAFF А P31 1 20 RCBO 2.5 LEVEL 1 OFFICE А P32 1 20 RCBO 2.5 LEVEL 1 FLA А P33 3 50 C CURVE 10 +10 EARTH LEVEL 1 LIFT Α P34 1 20 RCBO 2.5 LEVEL 1 STAFF А P35 1 RCBO LEVEL 1 CIRCULATION А 20 2.5 P36 RCBO 2.5 CIRCULATION А 1 20 LEVEL 1 P37 1 20 RCBO 2.5 LEVEL 1 BMS А P38 20 RCBO 2.5 LEVEL 1 FLOOR BOXES А 1 P39 1 20 RCBO 2.5 LEVEL 1 FLOOR BOXES А P40 1 20 RCBO 2.5 LEVEL 1 SUPA TAP Α P41 20 RCBO 2.5 LEVEL 1 SUPA TAP А 1 P42 1 20 **RCBO** 2.5 LEVEL 1 KITCHEN А P43 LEVEL 1 REF / MW 20 RCBO А 1 2.5 P44 1 20 RCBO 25 EXTERNAL MAINTENANCE Α P45 3 20 RCBO 2.5 EXTERNAL GATE А P46 1 RCBO BASEMENT PUMP А 20 2.5 P47 3X3.6KW HWS 3 20 RCBO 2.5 BASEMENT А P48 3 20 RCBO 2.5 BASEMENT 3X3.6KW HWS А P49 3 32 RCBO 4.0 LEVEL 1 HWS А

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