

NOTES

9. EMERGENCY AND EXIT LIGHTING

PROVIDE A SINGLE POINT EMERGENCY LIGHTING SYSTEM THAT COMPLIES WITH THE LATEST ISSUE OF ALL PARTS AS2293 AND THE RELEVANT PARTS OF THE NCC BCA. INSTALL EMERGENCY LIGHT FITTINGS NOMINATED AS MAINTAINED WITH THE LAMP PERMANENTLY ON SUPPLIED VIA AN UNSWITCHED ACTIVE MAINS SUPPLY WHEN THE MAINS SUPPLY IS AVAILABLE. WHEN THE MAINS SUPPLY IS NOT AVAILABLE, THE LAMP IS TO REMAIN ON SUPPLIED BY THE EMERGENCY PACK. SINGLE LAMP MAINTAINED EMERGENCY LIGHTS ARE NOT SWITCHED WITH THE LOCAL GENERAL AREA LIGHTING. (THE LAMP IS ALWAYS ON.)

INSTALL EMERGENCY LIGHT FITTINGS NOMINATED AS NON-MAINTAINED AS FOLLOWS:  
- IF THE FITTING IS NOT BEING SWITCHED, THE LAMP IS TO REMAIN OFF WHEN THE MAINS SUPPLY IS AVAILABLE. WHEN THE MAINS SUPPLY IS NOT AVAILABLE THE LAMP IS TO BE SWITCHED ON SUPPLIED BY THE EMERGENCY PACK. UNSWITCHED SINGLE LAMP NON-MAINTAINED EMERGENCY LIGHTS ARE NOT SWITCHED WITH THE LOCAL GENERAL AREA LIGHTING. (THE LAMP IS ON ONLY WHEN THE MAINS SUPPLY IS NOT AVAILABLE.)  
- IF THE FITTING IS BEING SWITCHED, THE LAMP IS TO BE SUPPLIED AND CONTROLLED WITH THE LOCAL GENERAL AREA LIGHTING WHEN THE MAINS SUPPLY IS AVAILABLE. WHEN THE MAINS SUPPLY IS NOT AVAILABLE THE LAMP IS TO BE SWITCHED ON, SUPPLIED BY THE EMERGENCY PACK. (THE LAMP IS ON WHEN TURNED ON WITH THE LOCAL GENERAL LIGHTING OR THE MAIN SUPPLY IS NOT AVAILABLE.)

INSTALL EMERGENCY LIGHTS SUCH THAT THE STATUS INDICATOR L.E.D. IS CLEARLY VISIBLE AND THE TEST BUTTONS ARE READILY ACCESSIBLE. LABEL EACH CIRCUIT BREAKER WHICH CONTROLS THE UNSWITCHED ACTIVE TO EXIT LIGHTS WITH A LABEL FIXED ADJACENT; ENGRAVED PLASTIC LAMINATE, GREEN BACKGROUND WITH WHITE CHARACTERS: -

WARNING  
INTERRUPTING SUPPLY WILL DISCHARGE  
EMERGENCY LIGHTING BATTERIES

PROVIDE WRITTEN EVIDENCE OF THE INITIAL COMMISSIONING AND TESTING AND TESTING FOR THE DURATION OF THE MAINTENANCE PERIOD IN ACCORDANCE WITH AS 2293. 2.

THIS EVIDENCE IS TO BE IN THE FORM OF A LOG BOOK SIMILAR TO THE GENERAL LIGHTING SERVICE PTY LTD "EMERGENCY LIGHTING MAINTENANCE LOG BOOK AND MANUAL" WHICH IS TO BE PROVIDED BY THE ELECTRICAL SUB-CONTRACTOR AND HAVE ALL ENTRIES FULLY COMPLETED AND BE PRESENTED FOR INSPECTION AT PRACTICAL COMPLETION. THE LOG BOOK IS TO BE RETAINED BY THE ELECTRICAL SUB-CONTRACTOR FOR THE DURATION OF THE MAINTENANCE PERIOD, AND THE SIX MONTHLY TEST AND MAINTENANCE RESULTS ENTERED. THE LOG BOOK IS TO BE PRESENTED FOR APPROVAL AT FINAL COMPLETION (EXPIRY OF THE MAINTENANCE PERIOD) AND WILL BE FORWARDED TO THE OPERATOR FOR THEIR USE.

PROVIDE MAINTENANCE OF THE EMERGENCY AND EXIT LIGHTING INSTALLATION INCLUDING RECORDS IN ACCORDANCE WITH THE LATEST ISSUE OF ALL PARTS AS2293 AND THE RELEVANT PARTS OF THE NCC BCA. PROVIDE THE EMERGENCY LIGHTING SYSTEM WITH A SUPPLY SENSING AND TESTING FACILITY IN ACCORDANCE WITH AS 2293. 1.

10. COMMUNICATIONS CABLING

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES THE PROVISION OF A NEW NBN SERVICE TO THE SITE WITH A NBN NTDs ADJACENT CR-A. ARRANGE FOR THE NBN SERVICES TO BE INSTALLED INCLUDING ALL CABLE ACCESS WAYS AND DOCUMENTATION IN ACCORDANCE WITH THE NBN REQUIREMENTS. PROVIDE THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT AS A COMSCOPE OR MOLEX CAT 6 INSTALLATION WITH A 15 YEAR MANUFACTURERS PERFORMANCE WARRANTY. 12 CORE OM3 FIBRE CABLING FULLY TERMINATED WITH LC CONNECTORS IS TO BE PROVIDED IN STAR CONFIGURATION FROM CR-A TO CR-1, CR-2, CR-3, CR-5 AND CR-8. ALL OF THE FIBRE IS TO BE MOUNTED IN FOBOTS WITHIN THE ASSOCIATED COMMUNICATIONS RACK.

THE COMMUNICATIONS CAT 6 CABLING IS TO BE RUN TO PATCH PANELS WITHIN THE RACK ASSOCIATED WITH THAT AREA. REFER TO THE COMMUNICATIONS SCHEMATIC FOR THE AREAS ASSOCIATED WITH EACH RACK. RACKS CR-B AND CR-C ARES TO BE USED TO HOUSE THE CCTV PATCH PANELS AND CCTV ACTIVE EQUIPMENT. RACK CR-D IS TO HOUSE THE AUDIO-VISUAL EQUIPMENT.

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:  
- NBN APPLICATION AND LEAD-IN SERVICES.  
- NBN CABLE ACCESS WAYS INCLUDING THE PCD AND NTDs.  
- COMMUNICATIONS RACKS CR-A, CR-B, CR-C AND CR-D  
- COMMUNICATIONS RACKS CR-1, CR-2, CR-3, CR-4, CR-5 AND CR-8.  
- FOBOTS.  
- FIBRE CABLING.  
- PATCH PANELS.  
- CAT 6 COMMUNICATIONS OUTLETS AND CABLING.  
- CABLE ACCESS WAYS.  
- TESTING AND COMMISSIONING.

11. FIRE ALARM SYSTEM.

THE FIRE ALARM SYSTEM COMPONENT OF THIS CONTRACT INCLUDES THE PROVISION OF AN AS1670.1 ALARM SYSTEM IN ACCORDANCE WITH THE FIRE ENGINEERING REPORT. THE FIRE ALARM SYSTEM COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:  
- FIRE INDICATOR PANEL INCORPORATING AN FDCIE AND EWCIE.  
- FLOW SWITCH AND VALVE MONITORING.  
- HORNS AND SPEAKERS.  
- VISUAL ALARM DEVICE.  
- CABLING.  
- INTERFACE TO THE SECURITY SYSTEM TO UNLOCK THE DOORS ON ALARM.  
- CABLE ACCESS WAYS.  
- TESTING AND COMMISSIONING.

NOTES

12. ABBREVIATIONS

A - AMP CURRENT RATING  
AB - MOUNT ABOVE BENCH.  
AFFL - ABOVE FINISHED FLOOR LEVEL.  
BB - MOUNT BELOW BENCH.  
BH - MOUNT ON BULKHEAD.  
CEIL - MOUNT ON CEILING.  
CS - MOUNT WITHIN CEILING SPACE.  
C/W - COMPLETE WITH.  
DW - DISHWASHER.  
MCB - MINIATURE CIRCUIT BREAKER.  
MSB - MAIN SWITCHBOARD.  
MSSB - MECHANICAL SERVICES SWITCHBOARD.  
MW - MICROWAVE.  
N - NEON / LED INDICATOR WHEN ON.  
NTS - NOT TO SCALE.  
RCBO - CIRCUIT BREAKER C/W AN INTEGRAL 30mA RESIDUAL CURRENT DEVICE.  
RCD - CIRCUIT PROTECTED VIA A 30mA RESIDUAL CURRENT DEVICE.  
REF - REFRIGERATOR.  
SEC - SECURITY EQUIPMENT.  
UNO - UNLESS NOTED OTHERWISE.  
WP - WEATHERPROOF TO IP56 UNO.  
500 - NUMBER DENOTES MOUNTING HEIGHT AFFL.

13. STAGE 2

SEPARATE THE PROVINCE FOR THE STAGE 2 WORKS AS PER THE FOLLOWING SCOPE:

- ALL ELECTRICAL SERVICES DETAILED ON THE STAGE 2 DRAWINGS.  
- THE SUBMAINS FROM THE MSB TO THE MDB.  
- THE CIRCUITS FROM THE MSB TO THE EV CHARGERS LOCATED IN STAGE 2.  
- THE SUBMAINS FROM THE SOLAR DB TO INV-3.  
- THE FIBRE CABLE FROM CR-A TO CR-3 AND CR-8.

THE STAGE 1 CABLE TRAYS ARE TO BE EXTENDED TO THE EDGE OF STAGE 1 AS PART OF THE STAGE 1 WORKS, SO THEY CAN BE CONTINUED IN STAGE 2.

ELECTRICAL DESIGN GROUP BRISBANE PTY LTD ACN 092 710 793		THE COPYRIGHT OF THIS DRAWING REMAINS THE PROPERTY OF THE ELECTRICAL DESIGN GROUP.		PROJECT: EAGERS 151 SANDGATE ROAD, ALBION		A TENDER 13/11/2025	
TRADING AS: ELECTRICAL DESIGN GROUP		USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.		DRAWING: EAGERS 151 SANDGATE ROAD, ALBION		REV: DESCRIPTION: DATE:	
ALL DIMENSIONS TO BE VERIFIED ONSITE.		P.O.Box 15, Sherwood Q.4075 Phone: (07) 3278 4375 Email: brisbane@edg.net.au Web: www.edg.net.au		BRISBANE, QUEENSLAND		DRAWING: <b>ELECTRICAL SERVICES NOTES</b>	
		ELECTRICAL DESIGN GROUP BUILDING SERVICES CONSULTANTS BRISBANE GOLD COAST				SCALE: NOT TO SCALE AT A1	
						PROJECT NO: <b>C3531a</b>	
						DRAWING NO: <b>E003</b>	
						REVISION: <b>A</b>	