

**LEGEND**

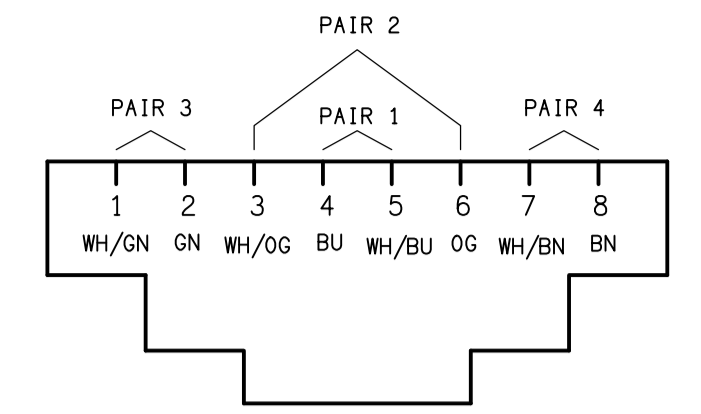
THE EQUIPMENT SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK [www.edg.net.au/links.html](http://www.edg.net.au/links.html)

TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No
L1	L1	IP65 120DEG HIGH BAY C/W INTEGRAL DRIVER. SURFACE MOUNT THE FITTING TO THE CEILING WITH AN ADJUSTABLE BRACKET WITH THE FITTINGS SET TO HORIZONTAL	BLACK FITTING AND BRACKET	GAMMA ILLUMINATION ORBIT 881537-4K PLUS SURFACE BRACKET 483.
L2	L2	IP65 120DEG HIGH BAY C/W INTEGRAL DRIVER. SURFACE MOUNT THE FITTING TO THE CEILING WITH AN ADJUSTABLE BRACKET WITH THE FITTINGS SET TO HORIZONTAL	BLACK FITTING AND BRACKET	GAMMA ILLUMINATION ORBIT 881538-4K PLUS SURFACE BRACKET 483.
L3	L3	1200 LONG SURFACE MOUNTED IP65 DIFFUSED BATTEN C/W INTEGRAL ELECTRONIC CONTROL GEAR AND PRESENCE DETECTION SENSOR	LIGHT GREY	GAMMA ILLUMINATION STORM 1558-CCT-36W-MS
L4	L4	IP65 FLOOD LIGHT C/W INTEGRAL DRIVER MOUNTED AT HIGH LEVEL ADJUSTABLE BELOW THE ROOF. CONFIRM THE AIMING ANGLE ON SITE WITH THE SCHOOLS MAINTENANCE STAFF	BLACK	GAMMA ILLUMINATION ALTUS 1696-4K-120W
E1	E1	EMERGENCY LIGHT. RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION CO-D63 - C90-D63.	WHITE	CLEVERTRONICS CLIFE-PRO
SP		PROVIDE THE LIGHTING CONTROL SWITCH PANEL AS A FLUSH RECESSED IP66 316 STAINLESS STEEL ENCLOSURE C/W HINGED LOCKABLE LID CONTAINING TWO MULTI GANG FACEPLATES THE TV SHUTTER CONTROL SWITCH AND THE SECURITY KEY PANEL AS PER THE SP DETAIL. THE LOCK IS TO BE KEYPAD TO THE SCHOOLS EXISTING KEY SYSTEM. PROVIDE THE ENCLOSURE WITH A FLUSH MOUNTING TRIM AND ENSURE THERE ARE NO PROTRUSIONS OUT FROM THE WALL MORE THAN 20MM. ALL PROTRUSIONS AND ACCESSIBLE EDGES ARE TO BE ROUNDED SUCH THAT THERE ARE NO SHARP EDGES OR CORNERS. WALL MOUNTED AT 1000mm AFFL.	STAINLESS STEEL ENCLOSURE WHITE FACEPLATES	ENCLOSURE PLUS CLIPSAL C2000 SERIES FACEPLATES
IP65		DOUBLE IP65 POWER OUTLET	WHITE	TRANSCO NEPTUNE P2DWS
		SINGLE POWER OUTLET	WHITE	CLIPSAL C2000 SERIES
		DOUBLE POWER OUTLET	WHITE	CLIPSAL C2000 SERIES
CR-1		EXISTING COMMUNICATIONS RACK CR-1		
CR-B		PROVIDE A LOCKABLE 600 DEEP 22RU MINIMUM WALL MOUNTED COMMUNICATIONS RACK TO BE USED TO FACILITATE THE NEW COMMUNICATIONS CABLE PATCH PANELS, FIBER OPTIC LOCAL PA EQUIPMENT AND SCHOOL BELL EQUIPMENT. CONFIRM THE LAYOUT OF THE NEW EQUIPMENT IN THE RACK WITH THE SCHOOLS IT STAFF. LOCATE THE ASSOCIATED POWER OUTLET WITHIN THE RACK AND PROVIDE A 6 PORT POWER RAIL ALONG THE REAR OF THE RACK. CONNECT THE NEW RACK TO THE EXISTING CENTRAL ADMINISTRATION BUILDING RACK WITH A NEW UNDERGROUND FIBRE CABLE. MOUNT THE RACK AT HIGH LEVEL.		
		CAT 6 COMMUNICATIONS OUTLET	WHITE	CLIPSAL 'C2000 SERIES' COMMSCOPE OUTLET
		SCHOOL BELL RECESSED SPEAKER	WHITE	AUSTRALIAN MONITOR QF60CS
		PA SYSTEM RECESSED SPEAKER	WHITE	AUSTRALIAN MONITOR QF60CS
		RADIO MICROPHONE ANTENNA		
DGP		SECURITY DATA GATHERING PANEL CONNECTED TO THE SCHOOLS EXISTING SECURITY SYSTEM VIA FIBRE MODEMS. LOCATE THE DATA GATHERING PANEL AT 2400 ADJACENT THE CR-B AND LOCATE THE GPO WITHIN THE PANEL. PROVIDE A CONCEALED FIBRE PATCH LEAD FROM THE DGP THROUGH THE WALL INTO THE COMMUNICATIONS RACK FOR CONNECTION INTO THE FIBER. THE DGP TYPE IS TO MATCH THE EXISTING DGPS. PROGRAM THE SECURITY SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW DGPS AND CHANGES TO THE SATISFACTION OF THE OPERATOR.		
		SECURITY PIEZO SIREN		
		SECURITY INTRUDER DETECTOR		
KP		SECURITY SYSTEM KEYPAD (KP)		
DB-B	DB-B	PROVIDE DB-B A NEW IP44 METAL DISTRIBUTION BOARD AS PER THE NOTES AND DISTRIBUTION SCHEDULE. SUPPLY THE NEW DISTRIBUTION BOARD FROM A NEW 40 AMP MCB IN DB-14 VIA A NEW CORE 50mm Cu XLPE / PVC + E UNDERGROUND SUBMAIN. PROVIDE A TOOL REMOVABLE COLOURBOND HAT SECTION FROM THE DISTRIBUTION BOARD TO THE FLOOR. PROVIDE A SHOP DRAWING FOR APPROVAL.		
DB-14	DB-14	EXISTING SCIENCE BUILDING DISTRIBUTION BOARD TO BE PROVIDED WITH A NEW MCB TO SUPPLY DB-B UPDATE THE LABEL AND SCHEDULE ACCORDINGLY.		

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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No
A1		ACCESS POINT 1 (A1)		
A2		ACCESS POINT 2 (A2)		
A3		ACCESS POINT 3 (A3)		
A4		ACCESS POINT 4 (A4)		
C-A		CONDUIT ACCESS A (CA)		
C-B		CONDUIT ACCESS B (CB)		
C-C		CONDUIT ACCESS C (CC)		
C-D		CONDUIT ACCESS D (CD)		
PIT 1		PROVIDE PIT 1 AS A NEW POWER PIT WITH A CLASS C INFILL LID C/W PROPRIETARY PRECAST CONCRETE LID SURROUND, PRECAST CONCRETE PIT AND PRECAST CONCRETE RISERS AS REQUIRED. ENSURE THE TOP OF THE PIT IS FLUSH WITH THE FINAL SURROUNDING LEVELS. STAMP THE PIT LID WITH THE WORD 'ELECTRICITY' DRAIN THE PIT TO STORM WATER AND PROVIDE THE PIT WITH A WEEP HOLE IN THE BASE INTO A 1 M CUBED GRAVEL SOAKAGE PIT. PROVIDE DETAILS OF THE PIT LIDS FOR APPROVAL PRIOR TO ORDERING. PROVIDE A 150 WIDE X 150 DEEP MIN SURROUND AROUND THE TOP OF EACH PIT WITH A 10MM FALL AWAY FROM THE PIT LID. PROVIDE PHOTOS OF THE COMPLETED PITS. INSTALLATION SHOWING ALL CONDUITS AND CABLING. MARK UP THE PHOTOS WITH THE SIZE AND DESTINATION OF EACH CONDUIT.	POWER PIT 450 X 4400 OPENING X 700 MIN DEPTH	'DURHAM CAC44C S44B, R4XX AND P444-C
PIT 2		PROVIDE PIT 2 AS A NEW POWER PIT WITH A CLASS C INFILL LID C/W PROPRIETARY PRECAST CONCRETE LID SURROUND, PRECAST CONCRETE PIT AND PRECAST CONCRETE RISERS AS REQUIRED. ENSURE THE TOP OF THE PIT IS FLUSH WITH THE FINAL SURROUNDING LEVELS. STAMP THE PIT LID WITH THE WORD 'ELECTRICITY' DRAIN THE PIT TO STORM WATER AND PROVIDE THE PIT WITH A WEEP HOLE IN THE BASE INTO A 1 M CUBED GRAVEL SOAKAGE PIT. PROVIDE DETAILS OF THE PIT LIDS FOR APPROVAL PRIOR TO ORDERING. PROVIDE A 150 WIDE X 150 DEEP MIN SURROUND AROUND THE TOP OF EACH PIT WITH A 10MM FALL AWAY FROM THE PIT LID. PROVIDE PHOTOS OF THE COMPLETED PITS. INSTALLATION SHOWING ALL CONDUITS AND CABLING. MARK UP THE PHOTOS WITH THE SIZE AND DESTINATION OF EACH CONDUIT.	POWER PIT 450 X 4400 OPENING X 700 MIN DEPTH	'DURHAM CAC44C S44B, R4XX AND P444-C
EXISTING		EXISTING PIT		

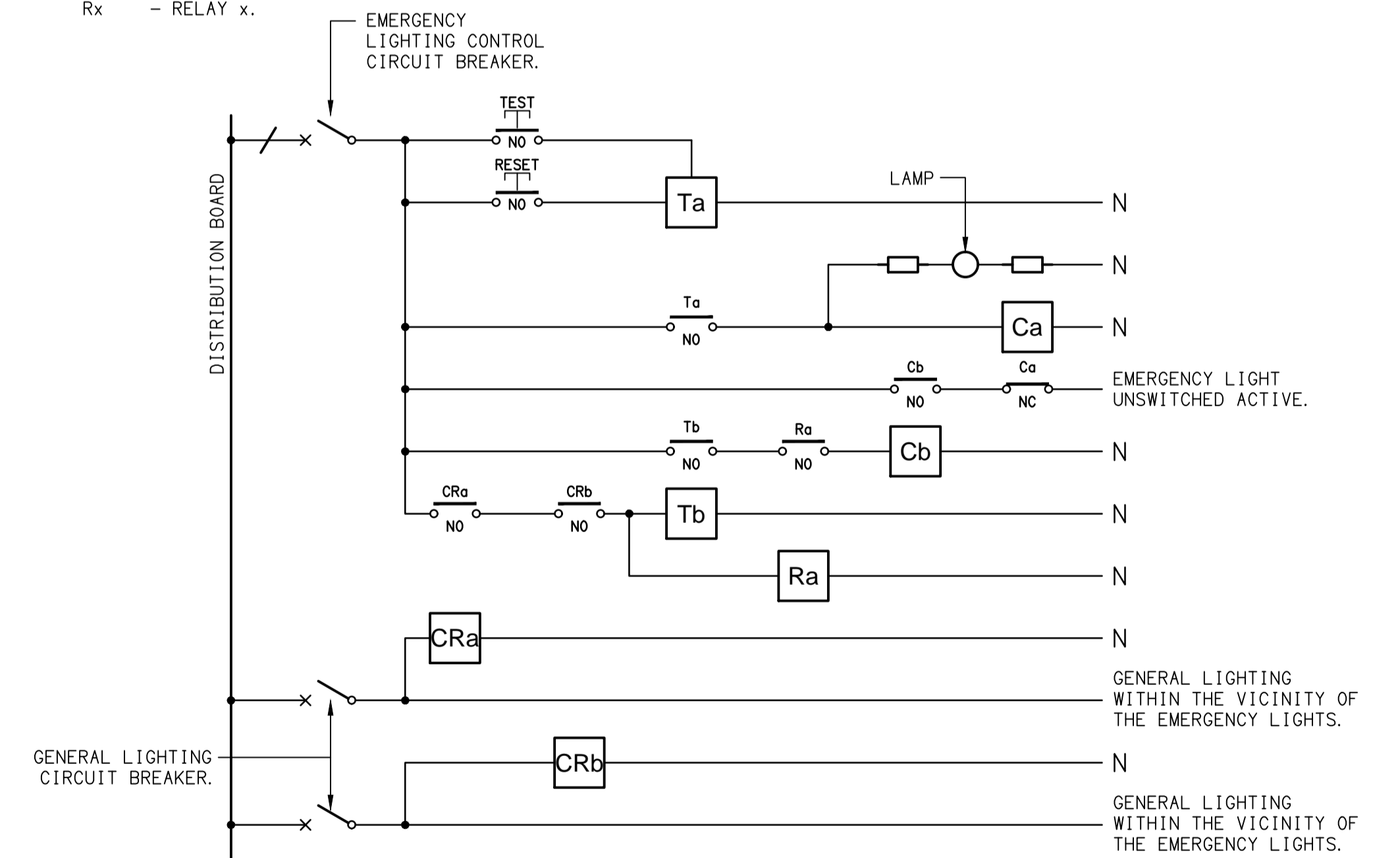


**SCHEMATIC**  
RJ45 PINOUT CONFIGURATION  
NOT TO SCALE

**NOTE**  
ALL ELECTRICAL PENETRATIONS THROUGH THE ROOF SHEETING ARE TO BE IN LINE WITH THE STRUCTURAL OR MECHANICAL SERVICES PENETRATIONS TO AVOID DEDICATED FLASHINGS FOR THE ELECTRICAL SERVICES.

**EQUIPMENT:**

- TEST - TEST PUSH BUTTON MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- RESET - RESET PUSH BUTTON MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- LAMP - AMBER TEST INDICATING LAMP MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- Ta - ADJUSTABLE 0-3 HOUR TIMED RELAY.
- Tb - 15 MINUTE RUN-ON TIMER TO OPERATE UPON THE RETURN OF MAINS POWER.
- Cx - CONTACTOR x.
- CRx - CONTROL RELAY x.
- Rx - RELAY x.



**NOTES**

- THE EMERGENCY LIGHT UNSWITCHED ACTIVE / GENERAL LIGHTING SWITCHED ACTIVE CIRCUIT ARRANGEMENT AND CONTROL IS TYPICAL FOR ALL CIRCUITS SUPPLYING EMERGENCY LIGHTS.
- PROVIDE ADDITIONAL CONTROL RELAYS (CRx) CONFIGURED AS PER CRa AND CRb FOR ALL ADDITIONAL LIGHTING CIRCUITS THAT SUPPLY LIGHTS IN THE VICINITY OF THE EMERGENCY LIGHTS.

**SCHEMATIC**  
EMERGENCY LIGHTING  
NOT TO SCALE

REV	DATE	DESCRIPTION
C	12/12/2022	TENDER
D	13/12/2022	TENDER
E	26/05/2023	CONSTRUCTION

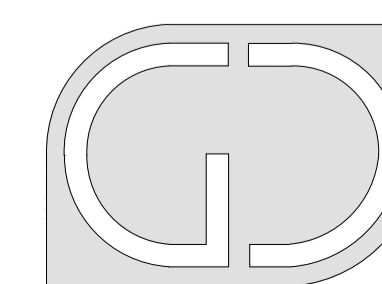
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CLIENT  
THE ROMAN CATHOLIC TRUST CORPORATION FOR THE DIOCESE OF TOWNSVILLE

PROJECT  
RYAN CATHOLIC COLLEGE, COVERED AREA BALL COURTS

DRAWING TITLE  
ELECTRICAL SERVICES LEGEND

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DATE \_\_\_\_\_  
SCALE N.T.S. A1  
DRAWN \_\_\_\_\_  
CHECKED \_\_\_\_\_  
**C2824a**  
EDG PROJECT No.  
**E01**  
EDG DWG No. REV