



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

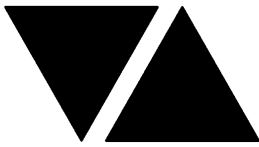
C2056a - CATHEDRAL OF ST MICHAEL & ST JOHN, BATHURST - LANDSCAPE

C2056a-0002(C).xls

LANDSCAPE ELECTRICAL EQUIPMENT SCHEDULE

REVISION C - 29 JULY 2019

THE LIGHT FITTING SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK www.edg.net.au/Links/Lighting.htm					
TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
L1	60W 3000k LED	ECHUCA LANTERN C/W INTEGRAL DRIVER MOUNTED ON A 4.5 ESTATE POLE C/W 1.5M EXTENSION. MOUNT VIA RAG BOLTS AND FOUNDATION CAGE ORIENTATE THE DIRECTION AS PER ARROW.	BLACK	COLONIAL LIGHTING CL-AL-LED-26-60L +CL3-5-4S-BP-AD-PCF- SS + CL-RBA-M20- 350PCD + 1.5M EXTENSION	A
L2	NO LONGER REQUIRED				B
WEATHERPROOF POWER OUTLET (WP)		NO LONGER REQUIRED			A
DB-A		EXISTING DISTRIBUTION BOARD TO BE UPGRADED TO INCLUDE THE NEW SWITCHGEAR AND PHILIPS DYNALITE CONTROLS			B
SWITCH PANEL		PROVIDE A WALL MOUNTED 6-BUTTON PROGRAMMABLE SWITCH PANEL C/W CENTRAL LCD DISPLAY PHILIPS DYNALITE ANTUMBRA DISPLAY ALUMINIUM CONFIRM THE LOCATION ON SITE WITH THE OPERATOR THE SWITCH PANEL IS TO BE CONFIGURED TO CONTROL THE EXTERNAL LIGHTS AS FOLLOWS: ON / OFF / ON FOR 2 HOURS / ON FOR 4 HOURS / AUTOMATIC.			B
PE CELL		PROGRAMMABLE PE CELL PHILIPS DYNALITE DUS 90CS CONFIRM THE LOCATION ON SITE WITH THE OPERATOR			B
TIME CLOCK		PROGRAMMABLE PHILIPS DYNALITE TIME CLOCK ENVISION GATEWAY PDEG			B
RELAY CONTROLLER		PHILIPS DYNALITE DDRC1220FRGL 12 X 20 AMP CHANNEL FEED THROUGH DIN RAIL MOUNTED RELAY CONTROLLER LOCATED IN DB-A TO CONTROL THE EXTERNAL LIGHTS.			B
MSB		NEW MAIN SWITCHBOARD			A
KWH		SUPPLY AUTHORITY CODE COMPLIANT LV TARIFF METER.			A
RISER		PROVIDE A REMOVABLE GALVANIZED POWDER COATED HAT SECTION TO PROVIDE CABLE ACCESS FROM THE UNDERGROUND CONDUITS TO THE EXISTING CABLE ENTRY POSITION. CONFIRM THE POSITION AND THE COLOUR WITH THE OPERATOR			B
PROPERTY POLE		PROVIDE A NEW GALVANIZED STEEL PROPERTY POLE TO THE LOCAL SUPPLY AUTHORITY REQUIREMENTS. ARRANGE FOR THE EXISTING SUPPLY AUTHORITY AERIAL SERVICE TO BE REPLACED / RELOCATED TO THE PROPERTY POLE			B
CABLE ACCESS A1		PROVIDE A FLUSH / CONCEALED JUNCTION BOX TO ALLOW THE SPARE CONDUIT TO BE LOCATED IN FUTURE AND EXTENDED CONFIRM THE LOCATION OF THE ACCESS POINT ACCURATELY VIA DIMENSIONS OFF FIXED FEATURES ON THE AS BUILT DOCUMENTS.			A
PIT 1		REPLACE THE EXISTING PIT WITH A NEW PVC PIT MINIMUM DIMENSIONS 600 X 600 X 900 DEEP. UTILISE THE HARDSCAPE ARE THE PIT LID SUPPORT. PROVIDE THE PIT LID AS A CLASS B CONCRETE LID. DRAIN THE PIT TO STORM WATER.			A



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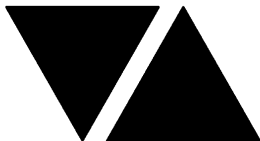
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PIT 2		PROVIDE A NEW PVC PIT MINIMUM DIMENSIONS 600 X 600 X 900 DEEP. UTILISE THE HARDSCAPE ARE THE PIT LID SUPPORT. PROVIDE THE PIT LID AS A CLASS B CONCRETE LID. DRAIN THE PIT TO STORM WATER.			B
PIT 3		PROVIDE A NEW PVC PIT MINIMUM DIMENSIONS 600 X 600 X 900 DEEP. UTILISE THE HARDSCAPE ARE THE PIT LID SUPPORT. PROVIDE THE PIT LID AS A CLASS B CONCRETE LID. DRAIN THE PIT TO STORM WATER.			A
PIT 4		PROVIDE A NEW PVC PIT MINIMUM DIMENSIONS 600 X 600 X 900 DEEP. UTILISE THE HARDSCAPE ARE THE PIT LID SUPPORT. PROVIDE THE PIT LID AS A CLASS B CONCRETE LID. DRAIN THE PIT TO STORM WATER.			A
PIT 5		PROVIDE A NEW PVC PIT MINIMUM DIMENSIONS 450 X 450 X 900 DEEP. UTILISE THE HARDSCAPE ARE THE PIT LID SUPPORT. PROVIDE THE PIT LID AS A CLASS B CONCRETE LID. DRAIN THE PIT TO STORM WATER.			A
CONDUIT C-1		PROVIDE THE LARGEST CONDUIT POSSIBLE FROM THE PROPERTY POLE TO PIT 2 TO FACILITATE THE CONSUMERS MAINS DROPPING DOWN INTERNALLY WITHIN THE PROPERTY POLE THEN RUNNING UNDERGROUND TO PIT 1.			A
CONDUIT C-2		PROVIDE 2 X 80 DIA AND 2 X 50 DIA POWER CONDUITS UNDERGROUND BETWEEN THE POWER PITS WITH EACH CONDUIT PROVIDED WITH A SPARE DRAW WIRE. POSITION THE POWER CONDUITS SUCH THAT THEY HAVE 50MM BETWEEN EACH CONDUIT. PROVIDE PHOTOS OF THE CONDUITS IN PLACE PARTIALLY COVERED BY BEDDING SAND PRIOR TO BACK FILLING FOR APPROVAL.			A
CONDUIT C-3		PROVIDE 2 X 80 DIA AND 4 X 50 DIA POWER CONDUITS UNDERGROUND BETWEEN THE POWER PITS WITH EACH CONDUIT PROVIDED WITH A SPARE DRAW WIRE. POSITION THE POWER CONDUITS SUCH THAT THEY HAVE 50MM BETWEEN EACH CONDUIT. PROVIDE PHOTOS OF THE CONDUITS IN PLACE PARTIALLY COVERED BY BEDDING SAND PRIOR TO BACK FILLING FOR APPROVAL.			A
CONDUIT C-4		LOCATE THE EXISTING 2 X 80 DIA AND 2 X 50 DIA CONDUITS THAT RUN FROM THE EXISTING PIT 1 TO DB-A AND REDIRECT / EXTEND THE 80 DIA CONDUITS INTO THE MSB.			A
CONDUIT C-5		LOCATE THE EXISTING 2 X 80 DIA AND 2 X 50 DIA CONDUITS THAT RUN FROM THE EXISTING PIT 1 TO DB-A AND REDIRECT / EXTEND THE 80 DIA CONDUITS INTO THE MSB.			A
CONDUIT C-6		PROVIDE 2 X 80 DIA AND 4 X 50 DIA POWER CONDUITS UNDERGROUND BETWEEN THE POWER PITS WITH EACH CONDUIT PROVIDED WITH A SPARE DRAW WIRE. POSITION THE POWER CONDUITS SUCH THAT THEY HAVE 50MM BETWEEN EACH CONDUIT. PROVIDE PHOTOS OF THE CONDUITS IN PLACE PARTIALLY COVERED BY BEDDING SAND PRIOR TO BACK FILLING FOR APPROVAL.			A
CONDUIT C-7		PROVIDE 4 X 50 DIA POWER CONDUITS UNDERGROUND BETWEEN THE POWER PITS WITH EACH CONDUIT PROVIDED WITH A SPARE DRAW WIRE. POSITION THE POWER CONDUITS SUCH THAT THEY HAVE 50MM BETWEEN EACH CONDUIT. PROVIDE PHOTOS OF THE CONDUITS IN PLACE PARTIALLY COVERED BY BEDDING SAND PRIOR TO BACK FILLING FOR APPROVAL.			A



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CONDUIT C-8		PROVIDE 2 X 80 DIA POWER CONDUITS UNDERGROUND BETWEEN THE POWER PIT AND THE RISER WITH EACH CONDUIT PROVIDED WITH A SPARE DRAW WIRE. POSITION THE POWER CONDUITS SUCH THAT THEY HAVE 50MM BETWEEN EACH CONDUIT. PROVIDE PHOTOS OF THE CONDUITS IN PLACE PARTIALLY COVERED BY BEDDING SAND PRIOR TO BACK FILLING FOR APPROVAL.			A
CONDUIT C-9		PROVIDE A 50 DIA POWER CONDUIT UNDERGROUND BETWEEN THE POWER PIT AND THE A1 JUNCTION BOX WITH THE CONDUIT PROVIDED WITH A SPARE DRAW WIRE. PROVIDE PHOTOS OF THE CONDUIT IN PLACE PARTIALLY COVERED BY BEDDING SAND PRIOR TO BACK FILLING FOR APPROVAL.			A
CONDUIT C-10		PROVIDE A 50 DIA POWER CONDUIT UNDERGROUND BETWEEN THE A1 JUNCTION BOXES WITH THE CONDUIT PROVIDED WITH A SPARE DRAW WIRE. PROVIDE PHOTOS OF THE CONDUIT IN PLACE PARTIALLY COVERED BY BEDDING SAND PRIOR TO BACK FILLING FOR APPROVAL.			A
GPO		PROVIDE A GPO WITHIN THE IRRIGATION CONTROL ENCLOSURE. COORDINATE THE POSITION OF THE GPO WITH THE OPERATOR AND IRRIGATION SUB-CONTRACTOR ON SITE			C
DB-A - P1		PROVIDE CIRCUIT DB-A - P1 AS A NEW 20AMP RCD PROTECTED 2.5MM GPO CIRCUIT SUPPLIED FROM DB-A.			C
DB-A - L1		PROVIDE CIRCUIT DB-A - L1 AS A NEW 20AMP RCD PROTECTED 4MM EXTERNAL LIGHTING SECURITY CIRCUIT SUPPLIED FROM DB-A. CONTROL CIRCUIT DB-A - L1 WITH THE DYNALITE CONTROL SYSTEM SUCH THAT IT AUTOMATICALLY OPERATES FROM DUSK TO DAWN.			A
DB-A - L2		PROVIDE CIRCUIT DB-A - L2 AS A NEW 20AMP RCD PROTECTED 4MM EXTERNAL LIGHTING CIRCUIT SUPPLIED FROM DB-A. CONTROL CIRCUIT DB-A - L2 WITH THE DYNALITE CONTROL SYSTEM SUCH THAT IT AUTOMATICALLY OPERATES FROM DUSK TO 10 PM.			A
DB-A - L3		PROVIDE CIRCUIT DB-A - L3 AS A NEW 20AMP RCD PROTECTED 4MM EXTERNAL LIGHTING CIRCUIT SUPPLIED FROM DB-A. CONTROL CIRCUIT DB-A - L3 WITH THE DYNALITE CONTROL SYSTEM SUCH THAT IT AUTOMATICALLY OPERATES FROM DUSK TO 10 PM.			A
DB-A - L4		PROVIDE CIRCUIT DB-A - L4 AS A NEW 20AMP RCD PROTECTED 4MM EXTERNAL LIGHTING CIRCUIT SUPPLIED FROM DB-A. CONTROL CIRCUIT DB-A - L4 WITH THE DYNALITE CONTROL SYSTEM SUCH THAT IT AUTOMATICALLY OPERATES FROM DUSK TO 10 PM.			A