



ITEM	DESCRIPTION	REFERENCE	ENERGEX APPROVED PRODUCT REFERENCE
1	ROAD LIGHT LUMINAIRE	RATE 2 ENERGEX CONTRACT (SYLVANIA ROADSTAR) REFER TO APPROVED STREET LIGHT DESIGN	
2	ROAD LIGHTING POLE OUTREACH ARM	RATE 2 ENERGEX CONTRACT (NB OUTREACHES HAVE 2.0m UPLIFT TO GAIN MOUNTING HEIGHT)	
		1.5m	5734
		3.0m	5750
		4.5m	5757
3	LUMINAIRE TRANSITION PIECE	BCC STORES a) 9.0m MOUNTING HEIGHT (1400mm) b) 10.5m MOUNTING HEIGHT (2900mm) c) 12.0m MOUNTING HEIGHT (4400mm)	
4	TRAFFIC SIGNAL MAST ARM	BCC STORES 2.5m 5.0m 8.5m	
5	TRAFFIC SIGNAL JUNCTION BOX	BSD-4102 29 CORE 51 CORE	5438 5439
6	FOOTING	PILE DEPTH: BSD-4154	
7	ANCHOR CAGE	BSD-4154	
8	ELECTRICAL CABLE JOINTING PIT & LID	DTMR STANDARD DRAWING SD1415	
9	100 uPVC LD U/G CONDUIT		
10	PEDESTRIAN PUSH BUTTON UNIT a) PEDESTRIAN PUSH BUTTON UNIT b) 4-7/0.50 CABLES c) FIGURE 8 CABLE d) ADHESIVE LABEL "CROSS WITH CARE"	FROM PUSH BUTTON TO FINAL (REQUIRED FOR STANDARD PUSH BUTTONS) FROM PUSH BUTTON TO FINAL (SUPPLIED WITH AUDIO-TACTILE PUSH BUTTONS) LABEL TO BE PLACED 50mm ABOVE PEDESTRIAN PUSH BUTTON (G9-Q10)	
11	TARGET BOARD	a) SINGLE b) DOUBLE	
12	STRAPS	a) 260mm (PROVIDED WITH 300mm & PEDESTRIAN LANTERNS) b) 150mm (PROVIDED WITH 200mm LANTERNS) STRAPS OTHER THAN THOSE PROVIDED MAY BE USED AS REQUIRED.	
13	HARDWARE FIXING SCREWS & BOLTS	a) 4/M8 x 20mm ZINC PLATED PHILLIPS CHEESE HEAD SCREWS (WITH WASHERS) FIXING LIGHTING JUNCTION BOX TO POST. b) 2/M12 x 50mm GALVANISED BOLTS (WITH NUTS & WASHERS) FIXING LANTERN STRAPS TO POST LANTERN FIXING LUGS AND OVERHEAD LANTERN FIXING DISCS. c) 2/M8 x 25mm PLATED SET SCREWS FIXING PUSH BUTTON UNIT TO POST. d) 1/M12 x 50mm GALVANISED BOLT FIXING AUDIO-TACTILE DRIVER UNIT TO POST.	

### GENERAL NOTES

- 25mm MAX. HEIGHT OF THREAD TO BE LEFT PROTRUDING ABOVE BASE PLATE LOCK DOWN NUT.
- MIX SAND/CEMENT GROUT IN A 3:1 RATIO BY VOLUME. ADD ENOUGH WATER TO GIVE A WORKABLE MIX. PACK THE MIX BENEATH THE BASE PLATE AND CHAMFER SIDES TO GROUND AT 45°.

### ASSOCIATED DOCUMENTS

- ENERGEX PUBLIC LIGHTING MANUAL (CONSTRUCTION)
- ENERGEX PUBLIC LIGHTING MANUAL (POLICY)
- ENERGEX APPROVED PRODUCTS LIST (FORM 2020)
- AS2979 TRAFFIC SIGNAL MAST ARM
- AS3000 SAA WIRING RULES

### REFERENCED DOCUMENTS

#### STANDARD DRAWINGS:

- BSD-4001: 'ELECTRICAL CABLE CLEARANCE PARTICULARLY TO MAST ARM'.
- BSD-4003: 'TRAFFIC SIGNAL/LIGHTING POLE ELECTRICITY SUPPLY WARNING LABELS'.
- BSD-4102: 'TRAFFIC SIGNAL JUNCTION BOX'.
- BSD-4124: 'MAST ARM DETAILS 2.5 & 5M OUTREACH'.
- BSD-4154: 'RAGBOLT ASSEMBLIES MAST ARM 2.5 & 5M OUTREACH'.
- QUEENSLAND DEPARTMENT OF TRANSPORT AND MAIN ROADS STANDARD DRAWING SD1415: 'TRAFFIC SIGNALS/ROAD LIGHTING - CIRCULAR CABLE JOINING PIT - 600 DIAMETER'.

THE PURPOSE OF THIS STANDARD DRAWING IS TO PROVIDE TYPICAL DETAILS THAT SUPPORT THE DESIRED OUTCOMES OF THE BRISBANE CITY PLAN 2014 AND ASSOCIATED PLANNING SCHEME POLICIES. THE FITNESS FOR PURPOSE OF THIS STANDARD DRAWING FOR A SPECIFIC PROJECT SHOULD BE ASSESSED AND ACCEPTED BY AN APPROPRIATELY QUALIFIED DESIGNER AND/OR REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND (RPEQ).



BRISBANE CITY COUNCIL STANDARD DRAWING

JOINT USE TRAFFIC SIGNAL MAST ARM  
2.5 & 5.0m OUTREACH  
(RATE 2)

PUBLISH DATE	JUN 2023
SCALE	NOT TO SCALE
DRAWING NUMBER	BSD-4126
ORIGINAL SIZE	A3
REVISION	D