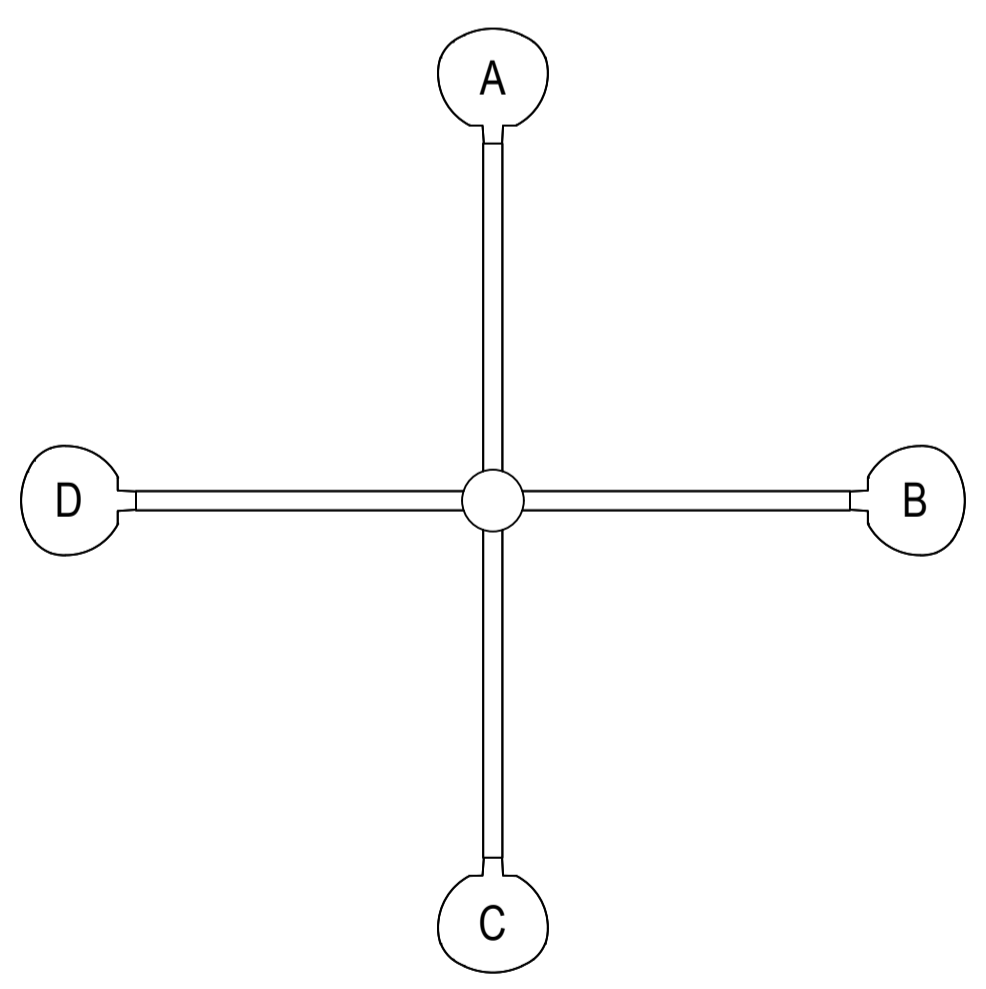
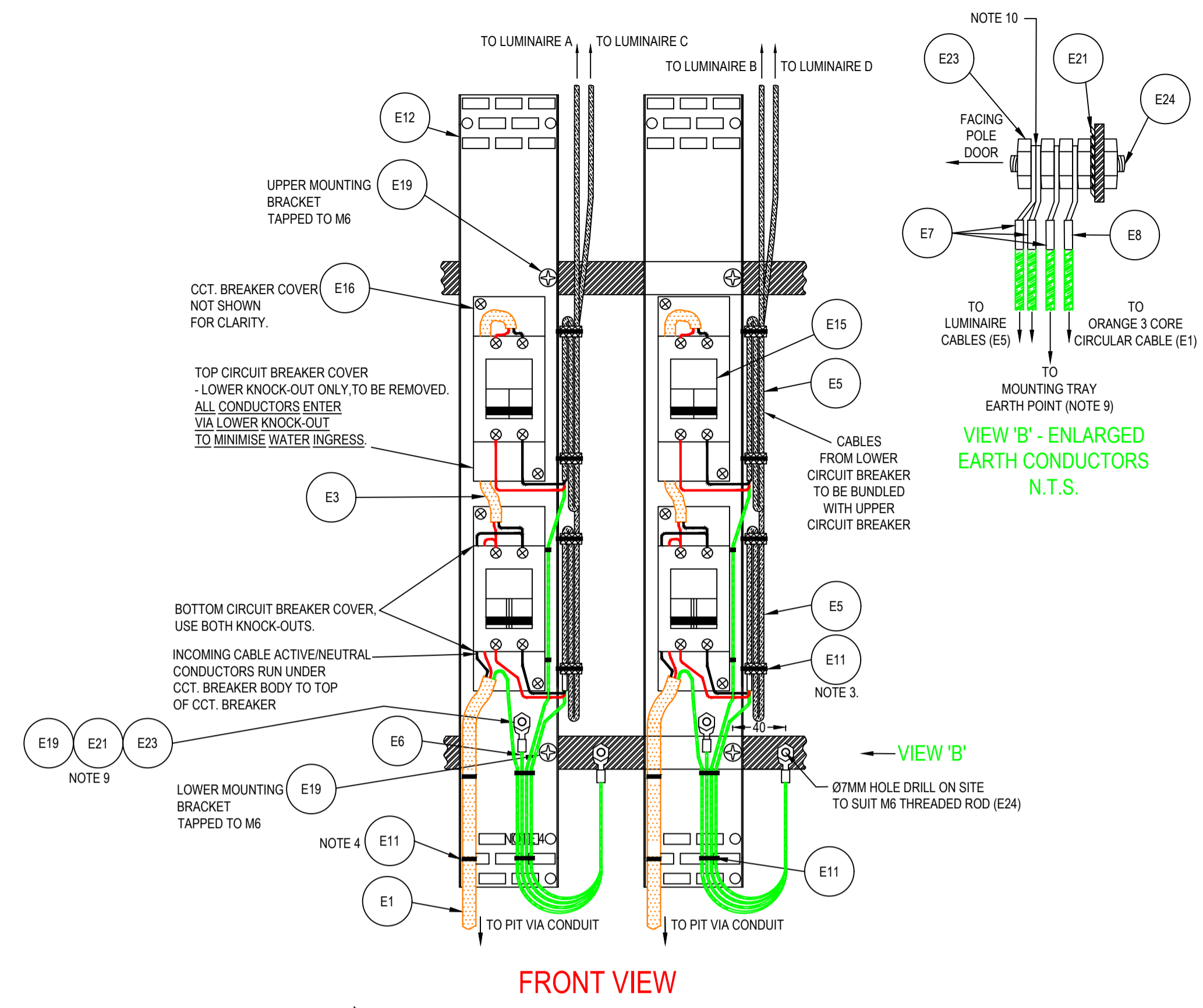


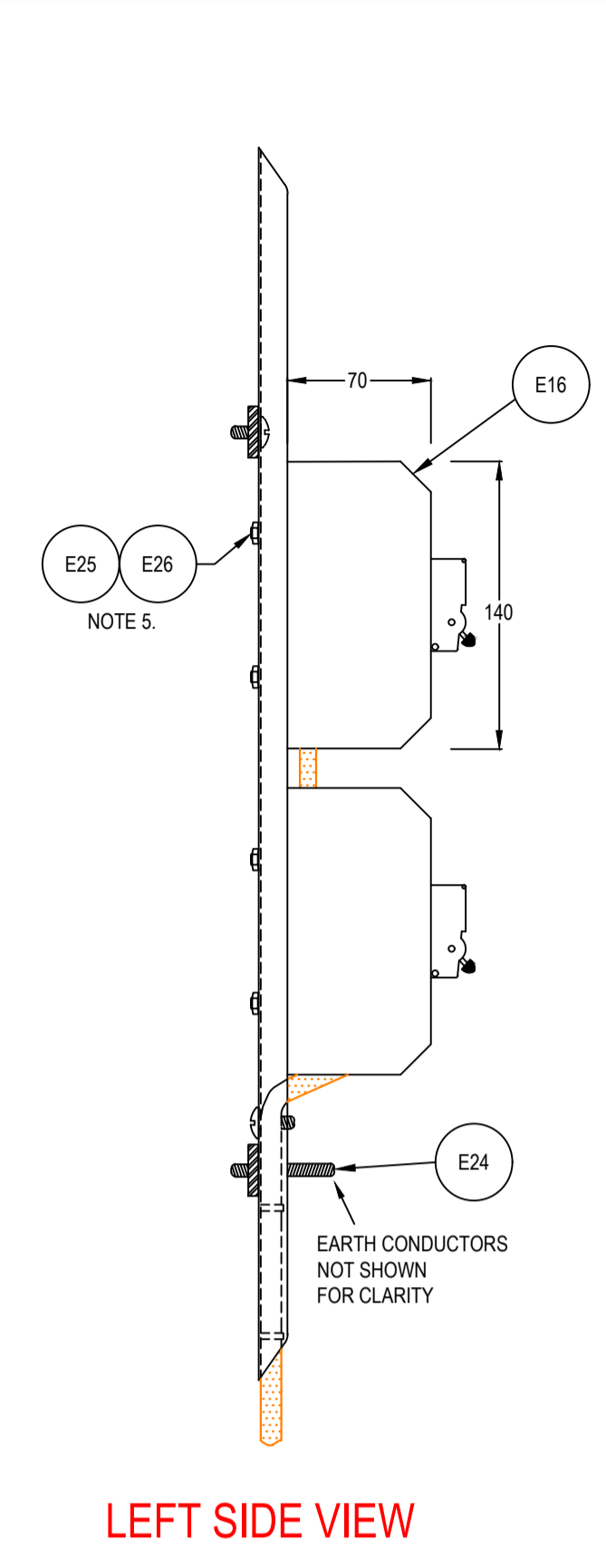
IMPACT ABSORBING POLE
EXPLANATION ONLY
N.T.S.



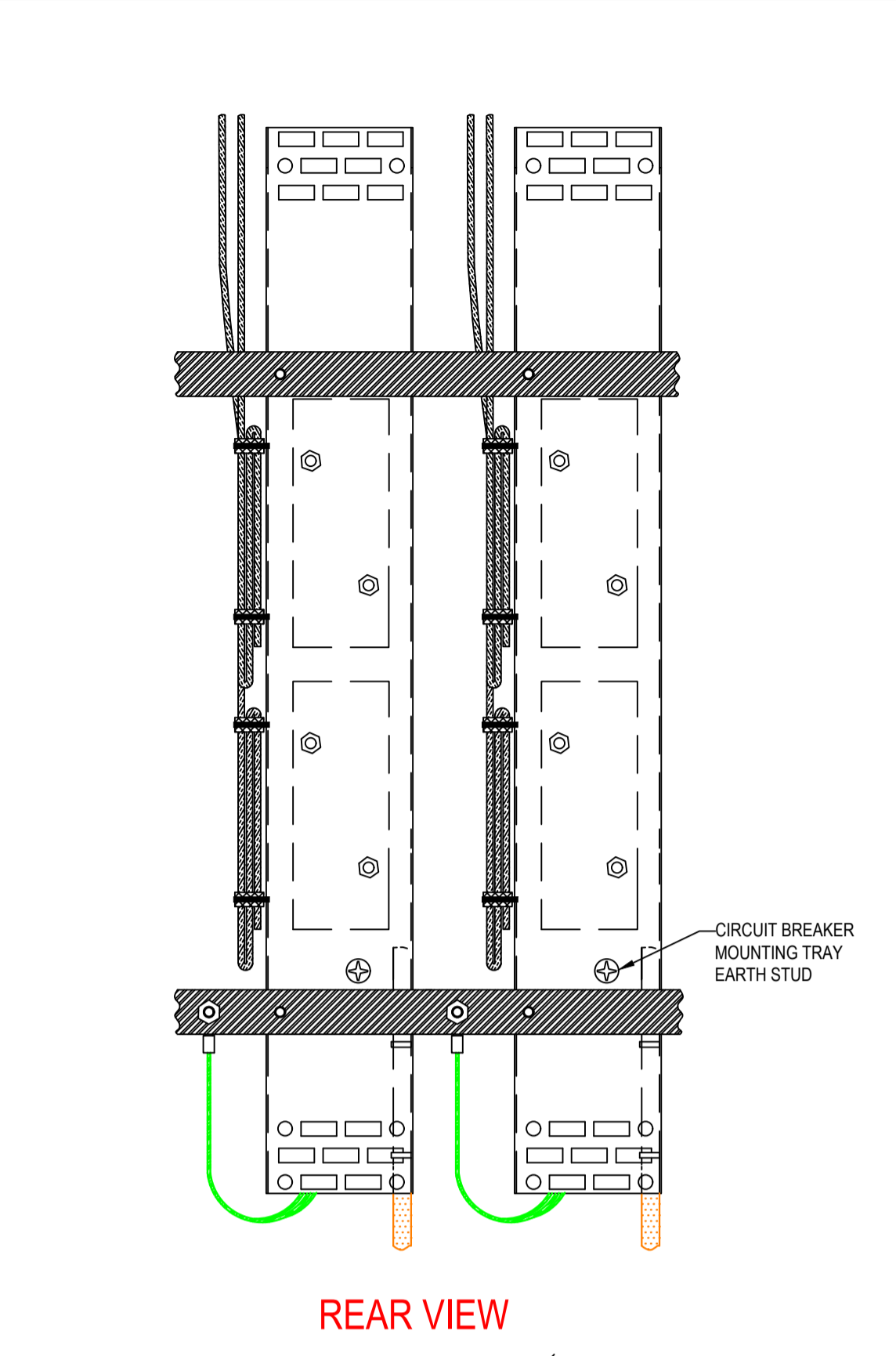
QUAD LUMINAIRE PLAN VIEW
LUMINAIRE NUMBERING
EXPLANATION ONLY
N.T.S.



FRONT VIEW



LEFT SIDE VIEW



REAR VIEW

FIGURE A
QUAD LUMINAIRE
CIRCUIT BREAKER MOUNTING TRAY
(MOUNTED & LOCATED INSIDE POLE ON MOUNTING BRACKETS)
COVER PLATE REMOVED FOR CLARITY
N.T.S.

NOTES:

- FOUR WAY FRANGIBLE LIGHT POLE, BASE & PIT DETAILS (INCLUDES ORANGE PVC CONDUITS), REFER TO THE RELEVANT STANDARD DRAWINGS.
- SUPPORT WIRE (E10), IS HELD AT EACH LUMINAIRE BY A SECURING SCREW.
 - THE SUPPORT WIRE IS ATTACHED TO THE ELECTRICAL CABLE (E5) WITH INSULATION TAPE & CABLE TIES SPACED AT 1 METRE INTERVALS.
 - THE SUPPORT WIRE MUST END ABOVE THE CIRCUIT BREAKER MOUNTING TRAY AND IS ONLY FOR THE SUPPORT OF THE ELECTRICAL CABLE.
 - THIS IS NOT A SAFETY WIRE FOR THE LUMINAIRE(S).
- CABLE FROM CIRCUIT BREAKER(S) FEEDING THE LUMINAIRE(S) MUST BE ATTACHED TO THE CIRCUIT BREAKER MOUNTING TRAY (E12) AND MEET THE FOLLOWING CONDITIONS.
 - PROVIDE 1 METRE OF LOOPED ELECTRICAL CABLE (E5), BOUND WITH INSULATION TAPE TOP & BOTTOM, AND SECURED TO THE SIDE OF THE CIRCUIT BREAKER MOUNTING TRAY (E12) WITH 2 CABLE TIES (E11).
 - LOOPED ELECTRICAL CABLE MUST BE KEPT CLEAR OF THE CIRCUIT BREAKER(S) (E15).
- CIRCULAR CABLE FROM PIT, IS TO BE RETAINED ON CIRCUIT BREAKER MOUNTING TRAY USING TWO CABLE TIES (E11).
- CIRCUIT BREAKER(S) (E15) TO BE MOUNTED SECURELY TO CIRCUIT BREAKER MOUNTING TRAY (E12) USING (E25, E26).
- USE SUFFICIENT CABLE TO PROVIDE SPARE CABLE LENGTH IN EACH JUNCTION PIT THAT IS THE SUM OF THE LENGTH AND WIDTH OF THAT JUNCTION PIT.
 - SPARE CABLE IS REQUIRED FOR BOTH THE MAIN CABLE RUN AND THE 'TEE' OFF IN ORANGE CIRCULAR.
- ALL BELOW GROUND JOINTS AND 'TEE OFF(S)' TO BE WATERPROOFED USING (E27).
- FOR THE MAIN CABLE RUN BETWEEN POLE NETWORK & SERVICE POINT USE SINGLE DOUBLE INSULATED CABLE FOR ACTIVE AND NEUTRAL CABLES ONLY.
 - THE EARTH CABLE DOES NOT NEED TO BE DOUBLE INSULATED BUT MUST USE GREEN/YELLOW INSULATION.
- EARTH CONNECTIONS FROM THE CIRCUIT BREAKER MOUNTING TRAY (E12) - CONNECT TO LOWER MOUNTING BRACKET AS SHOWN.
- THE PAIR OF LUMINAIRES ON ONE TRAY ARE TO BE EARTHED UNDER ONE NUT, WITH A SEPARATE CRIMP LUG, FOR EACH LUMINAIRE CONDUCTOR.
- OPPOSING LUMINAIRES SHOULD BE FED FROM SAME CIRCUIT.

EQUIPMENT SCHEDULE

(EQUIPMENT ITEMS CAN BE SUBSTITUTED WITH AN EQUIVALENT - WHERE APPROVED BY THE PRINCIPAL.)

REF.	ITEM DESCRIPTION	MANUFACTURER	QTY.	ITEM No.
E1	CABLE - PVC - ORANGE - 3 CORE CIRCULAR - 2.5MM ²	UNSPECIFIED	A.R.	
E2				
E3	CABLE - PVC - ORANGE - 2 CORE FLEX - 1.5MM ²	UNSPECIFIED	A.R.	
E4				
E5	CABLE - PVC - DOUBLE INSULATED - 3 CORE - 1.5MM ²	UNSPECIFIED	80M	(4 x 20M)
E6	EARTH CONDUCTOR GNY - FLEXIBLE - 1.5MM ²	UNSPECIFIED	1M	
E7	CABLE LUG TO SUIT 1.5MM ² CONDUCTOR	UNSPECIFIED	A.R.	
E8	CABLE LUG TO SUIT 2.5MM ² CONDUCTOR	UNSPECIFIED	A.R.	
E9				
E10	SUPPORT WIRE - STAINLESS STEEL - Ø2MM	UNSPECIFIED	36M	(4 x 9M)
E11	CABLE TIES NYLON BLACK	UNSPECIFIED	A.R.	
E12	CIRCUIT BREAKER MOUNTING TRAY-SLOTTED 80x600MM	UNSPECIFIED	2	
E13				
E14				
E15	CIRCUIT BKR TYPE 'C' DBLE POLE 230V 6A - 10KA	SCHNEIDER	4	
E16	SWITCHBOARD ENCLOSURE - 4CC2	CLIPSAL	4	
E17				
E18				
E19	SCREW-PAN HEAD M6X20-PHILLIPS HEAD.	UNSPECIFIED	4	
E20				
E21	WASHER - STAR - TO SUIT M6	UNSPECIFIED	6	
E22				
E23	NUT - ZINC PLATED - M6	UNSPECIFIED	16	
E24	THREADED ROD - ZINC PLATED - M6X50MM	UNSPECIFIED	2	
E25	SCREW - PAN HEAD - NYLON M5X20MM	UNSPECIFIED	8	
E26	NUT - NYLON - M5	UNSPECIFIED	8	
E27	POWER CABLE TAP SPLICE KIT	SCOTCHCAST	2	90-B1 (OR LARGER)

A.R. = AS REQUIRED

1	NOTE 11 ADDED	SA	JB	YANYAN XIAO	14/2/20
No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE

UNCONTROLLED COPY WHEN PRINTED

100 MILLIMETRES ON ORIGINAL DRAWING

ALL DIMENSIONS ARE IN MM UNLESS SHOWN OTHERWISE

Government of South Australia
Department of Planning, Transport and Infrastructure

PROJECT No.:	FILE No.:
X	XX/XXXXX
DESIGN No.:	SURVEY No.:
-	-
PROJECT START ROAD RUNNING DISTANCE:	
N/A	
PROJECT END ROAD RUNNING DISTANCE:	
N/A	
SCALES:	

STANDARD DRAWING
ELECTRICAL ASSETS
ELECTRICAL SERVICES - LIGHTING
4 WAY ROAD LIGHTING POLE
WIRING INSTALLATION

DESIGNED:	DRAFTED:	ACCEPTED FOR USE:	ACCEPTANCE FORM KNET No.:	DRAWING No.:	SHEET No.:	AMEND No.:
SJK	SJK	-	11146519	S-4055	74	1
CHECKED:	CHECKED:	TITLE: MGR - TECHNICAL SRVCS	IN ACCORDANCE WITH DP013	SHEET LATITUDE N/A	SHEET LONGITUDE N/A	
-	-	DATE: -				

CAD FILE NAME: L055 SHEET 0074-AND-10MG