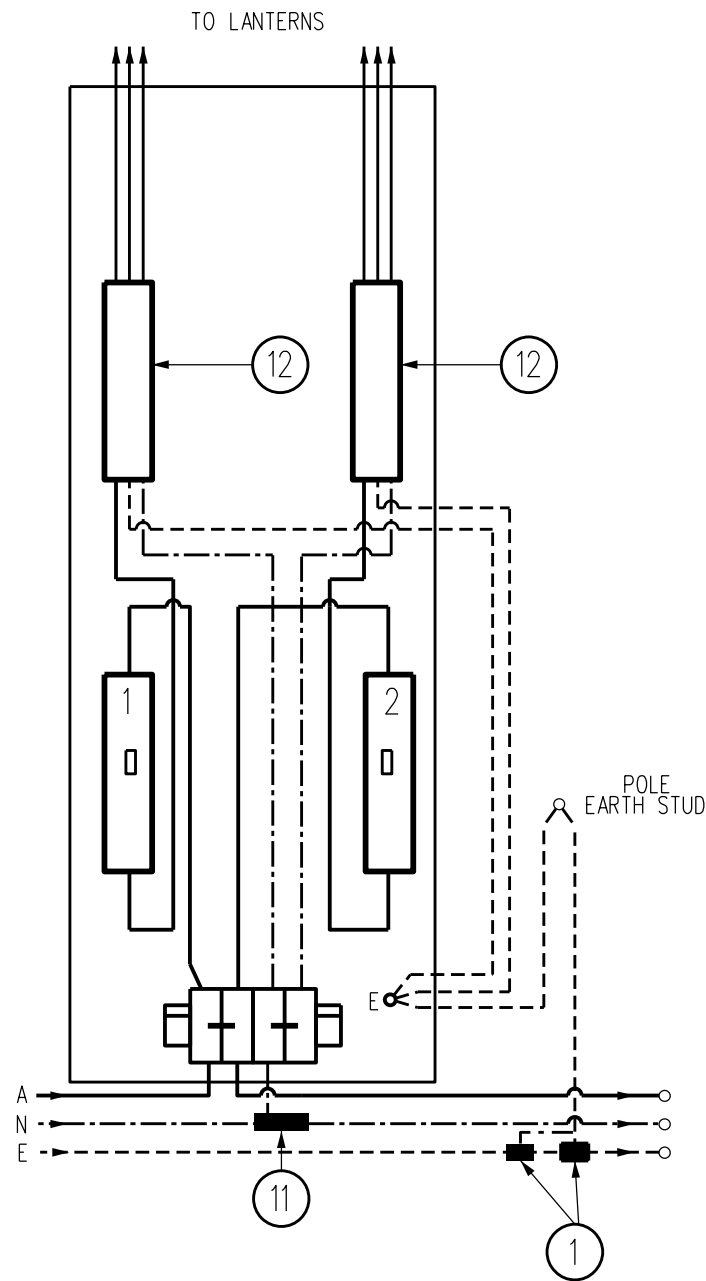
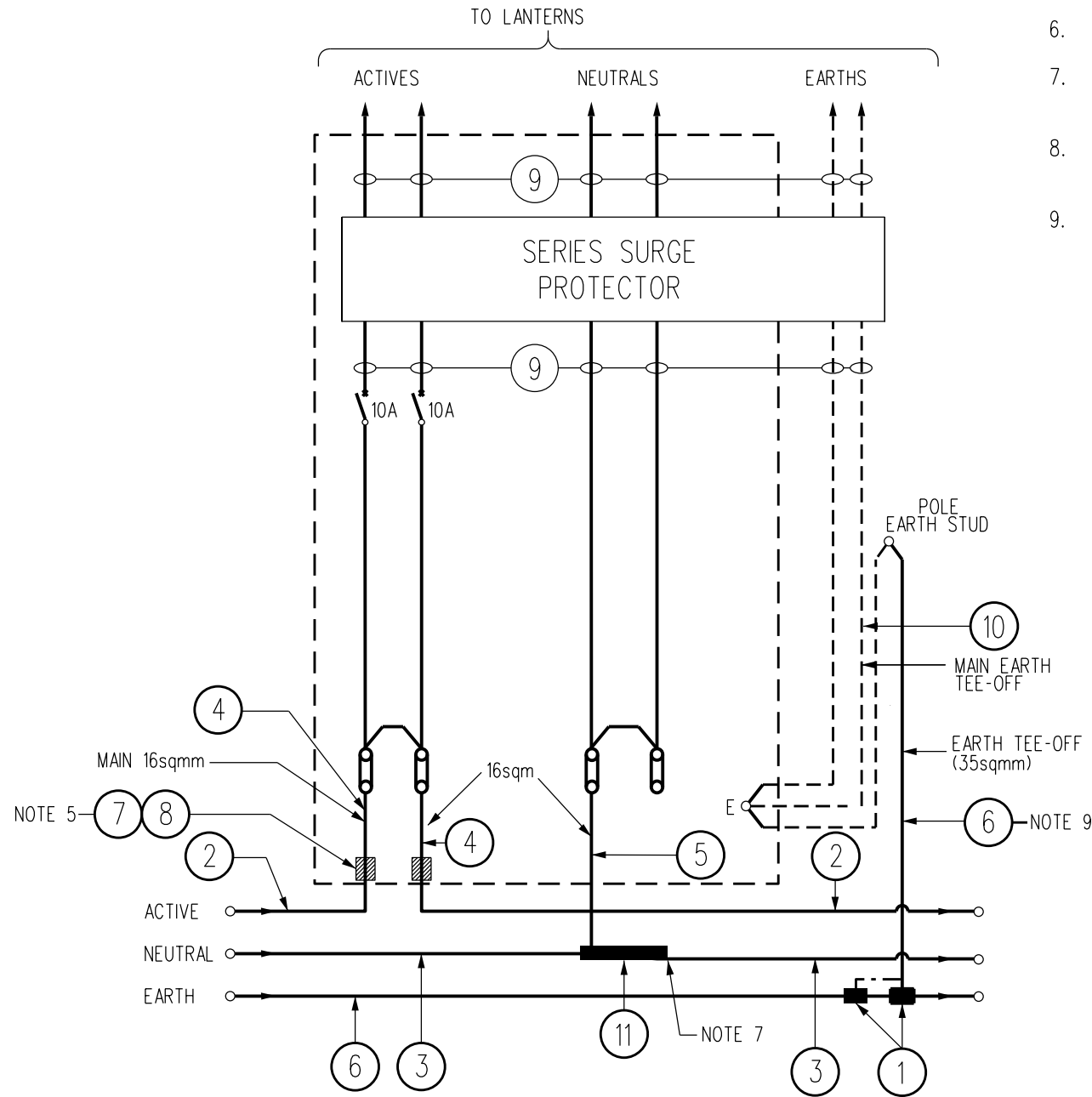


**LEGEND:**

- ACTIVE (RED)
- - - - NEUTRAL (BLACK)
- - - - EARTH



**WIRING DIAGRAM**



**SCHEMATIC WIRING DIAGRAM**

**NOTES:**

1. DIAGRAM SHOWS ARRANGEMENT FOR 18M COLUMNS.
2. FOR SINGLE LAMP APPLICATIONS FIT ONE CIRCUIT BREAKER AT POSITION 1.
3. FOR DOUBLE LAMP APPLICATIONS FIT TWO CIRCUIT BREAKERS AT POSITIONS 1 & 2.
4. FOR ADDITIONAL MAINS TEE OFF, CONNECT 25sqmm CABLES (ACTIVE AND NEUTRAL) TO TOP SIDE OF TERMINAL LINK BLOCK.
5. 25sqmm MAINS SHALL BE TERMINATED TO 16SQMM WITHIN THE COLUMN USING COPPER CONNECTIONS ANDS THICK WALLED HEAT SHRINK.
6. ALL CRIMP CONNECTIONS SHALL BE DONE AS PER S02-2-2-10.
7. ALL NEUTRALS SHALL BE TAILED WITH ITEM 5 USING 3 WAY TERMINAL BLOCK 50sqmm (CABAC TB503).
8. ALL CABLES SHALL HAVE DESTINATION TAG WITH CRITCHLEY K-TYPE TAG SECURED TO THE CABLE WITH NYLON CABLE TIES.
9. WHERE CABLE PITS ARE USED EARTH JOINT USING 35 / 35 'C' CRIMP IS ALLOWED

**CABLE SIZES**

INCOMING & OUTGOING MAINS -  
25sqmm (35sqmm EARTH)

LANTERN CABLE - FROM TERMINAL LINKS  
THROUGH TO LANTERN, REFER S02-1-1-14

4sqmm TWIN/ECC  
RED - ACTIVE  
BLACK - NEUTRAL  
YELLOW/GREEN - EARTH

MAIN EARTH TEE OFF -  
6sqmm GREEN/YELLOW



**ITEM 11 REFER NOTE 7**

**TO BE READ IN CONJUNCTION WITH  
CONSTRUCTION DRG No. S03-1-5-12**

ITEM	QTY.	STOCK CODE	DESCRIPTION	DRAWING No.
1	2	406821	35sqmm 'C' CRIMP	S01-1-5-08
2	AR	9449	25sqmm CU CABLE - RED	S02-1-1-20
3	AR	9456	25sqmm CU CABLE - BLACK	S02-1-1-20
4	AR	1644	16sqmm CU CABLE - RED	S02-1-1-23
5	AR	1636	16sqmm CU CABLE - BLACK	S02-1-1-23
6	AR	9829	35sqmm CU BARE EARTH WIRE	S01-1-5-05
7	2	5272	16 - 25sqmm COMPRESSION LINK	-
8	AR	3129	HEATSHRINK TO SUIT CU LINK	S02-1-2-15
9	AR	2733	4sqmm TWIN/ECC CABLE	S02-1-1-14
10	AR	2774	6sqmm CU Y/GR INSULATED CABLE	S02-1-1-23
11	1	502906	3 WAY TERMINAL BLOCK (SEE NOTE 7)	
12	AR	503737	SERIES SURGE PROTECTION	

NO	DESCRIPTION	DRN	DATE	CKD	APPD
2	EXTRA EARTH CRIMP & NOTE 9 ADDED	C.C.	AUG'17	I.B.	B.C.
1	NOTE 7 AMENDED, NEUTRAL CONNECTION ARRANGEMENT AMENDED	I.B.	FEB'17	I.B.	B.V.
0	NEW DWG GENERATED	K.T.	MAY'16	I.B.	B.C.



DES	B.C.	POWER STANDARD DRAWING	
DRN	K.T.	CONTROL DATA	
CKD	B.C.	SWITCH PACK	
APPD	...	WIRING DIAGRAM - LED STREETLIGHT	
SCALE	NTS	A3	DRAWING NUMBER S03-1-5-18
ISSUED	..		
ALL DIM. IN mm			
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY	