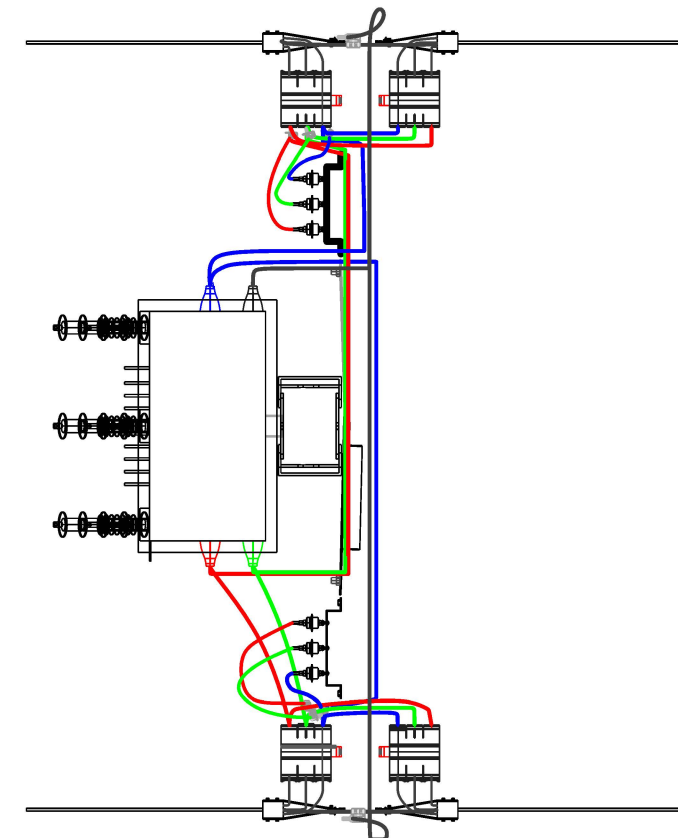


ISOMETRIC VIEW  
N.T.S.

# NOTES:

1. A) WHERE 95SQMM LV-ABC IS USED THE MAXIMUM TRANSFORMER SIZE IS 500KVA.  
B) WHERE 150SQMM LV-ABC IS USED THE MAXIMUM TRANSFORMER SIZE IS 500KVA.
2. LV SURGE ARRESTOR TAILS SHALL BE AS SHORT AS POSSIBLE.
3. TRANSFORMER ACTIVE TAILS SHALL BE COLOR CODED AT BOTH ENDS WITH COLORED HEATSHRINK.
4. WHERE TRANSFORMER ACTIVE TAILS CROSS TO THE OTHER SIDE OF THE TRANSFORMER, THE CABLES SHALL BE RUN UNDER THE CROSSARM AND SUPPORTED BY THE CROSSARM REINFORCING BRACES.
5. NEUTRAL CABLE SHALL BE LV-ABC, ACTIVE PHASE CABLE BETWEEN THE TRANSFORMER BUSHING AND THE FIRST FUSE -SWITCH BOX SHALL BE 150SQMM COPPER FLEX.
6. ENSURE INSULATED PIERING CONNECTORS (ITEM 8) ARE NOT USED FOR CONNECTING FLEX CABLE (ITEM 12), AND USED ONLY FOR ABC CABLES (ITEM 1A & 1B).

A  
-  
DETAIL  
N.T.S.



TOP VIEW - CROSSARM REMOVED FOR CLARITY  
N.T.S.

13	12	BELL MOUTHED LUGS FOR 150 sq.mm FLEX CABLE	402692	S02-01-02-11
12	AR	150 sq.mm FLEX COPPER CABLE	300368	S02-01-01-34
11	2	INSULATION PIERING CONNECTION 185/150	415587	S04-01-02-15
10	1	LV-ABC TERMINATION CROSSARM	406823	S04-01-02-19
9B	14	INSULATED CRIMP LUG FOR 150SQMM LV-ABC	415589	S04-01-02-18
9A	14	INSULATED CRIMP LUG FOR 95SQMM LV-ABC	407378	S04-01-02-18
8	6	INSULATION PIERING CONNECTOR 150/35	415586	S04-01-02-15
7	6	LV SURGE ARRESTOR	10041	S01-01-04-20
6	2	LV SURGE ARRESTOR MOUNTING BRACKET	214932	S01-01-04-27
5B	12	250A SIZE 1 LV DIN FUSE	11702	S02-01-04-10
5A	12	200A SIZE 1 LV DIN FUSE	9712	S02-01-04-10
4	4	250A FUSE/SWITCH DISCONNECTOR	255943	S04-01-03-05
3	4	M16 HOOK BOLT, NON-BREAKAWAY ASSEMBLY	-	S04-01-02-07
2	4	LV ABC STRAIN CLAMP, 4x95/4x150 sq.mm	415585	S04-01-02-11
1B	AR	CABLE LV ABC, 4x150 sq.mm	415591	S04-01-01-01
1A	AR	CABLE LV ABC, 4x95 sq.mm	197665	S04-01-01-01
ITEM	QTY	DESCRIPTION	ITEM NO.	DWG NO.

TABLE 01 - MATERIAL SCHEDULE

5	AMENDED LV SURGE ARRESTOR TAILS CONNECTION. ADDED DETAIL-A VIEW. ADDED NOTE 6.	P.BH.	JUL'23	P.BH.	B.V.
4	TITLEBLOCK & DRAWING NUMBER FORMATTED	K.T.	DEC'19	C.C.	C.C.
3	TITLE AND DRAWING UPDATED TO QUID CIRCUIT ARRANGEMENT	C.C.	SEP'12	A.T.	S.C.
2	NOTE 2 AMENDED TO 160A FUSES	gmck	JUN'12	N.S.	B.T.K.
1	DRAWING REFERENCE FOR TAG 5 REVISED	gmck	MAY'91	N.S.	-
NO	DESCRIPTION	DRN	DATE	CKD	APPD
AMENDMENTS					

**PowerWater**  
NORTHERN TERRITORY

DES    A.TAYLOR		POWER STANDARD DRAWING			
DRN    C.COPPINS		LV-ABC SUBSTATION CABLE CONNECTION QUAD CIRCUITS			
CKD    A.TAYLOR					
APPD   B.CHEUNG					
SCALE   AS SHOWN					
ISSUED   SEP'12		A3	DRAWING NUMBER	S04-02-04-04	<div>△ 5</div>
ALL DIM. IN mm					
DRAFTING STANDARD TO A.S.1100			CAD PRODUCT - DO NOT AMEND MANUALLY		AMD T