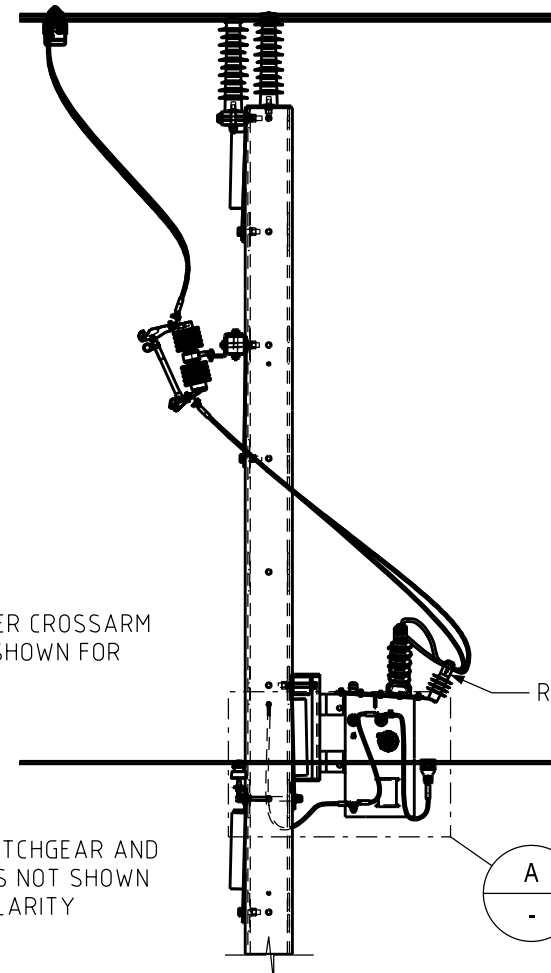
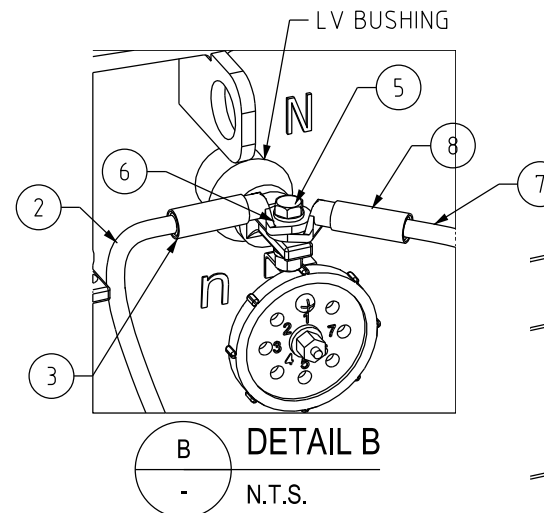


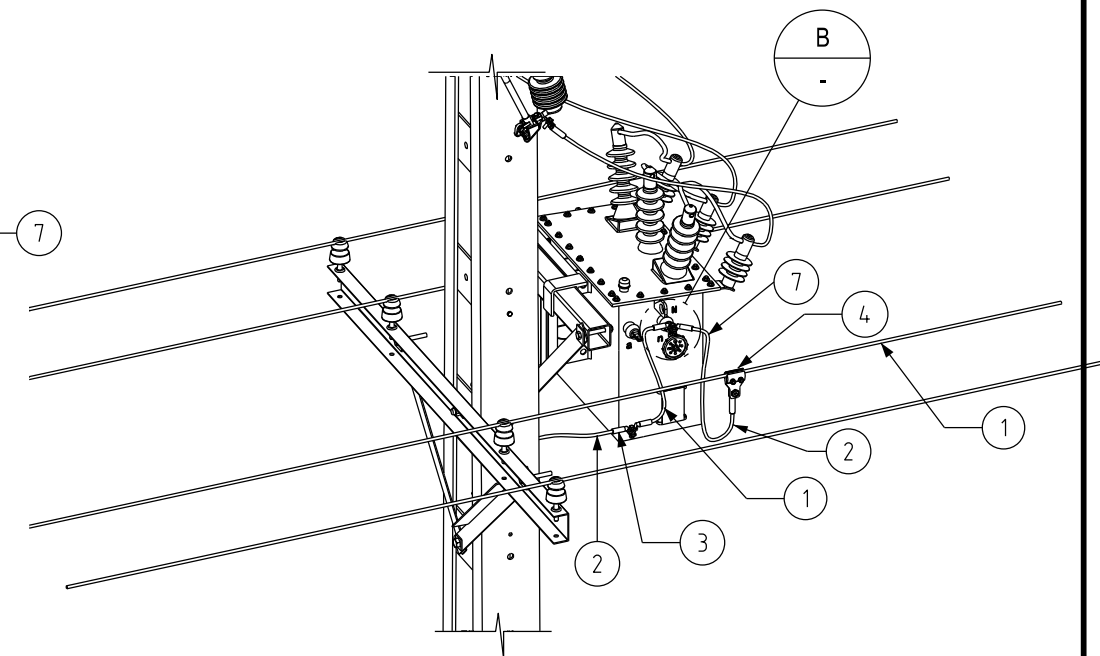
FRONT ELEVATION
1:40



SIDE ELEVATION
1:40



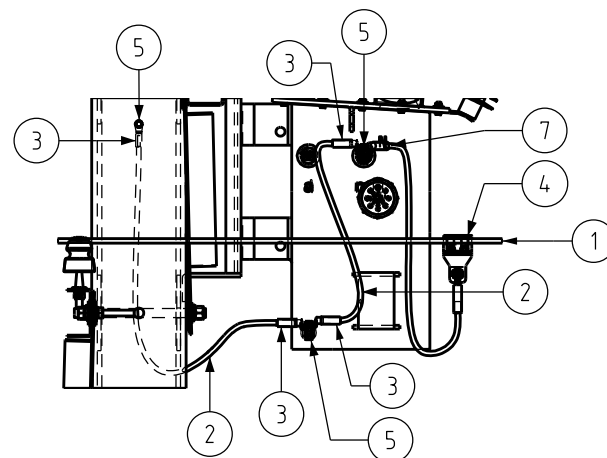
DETAIL B
N.T.S.



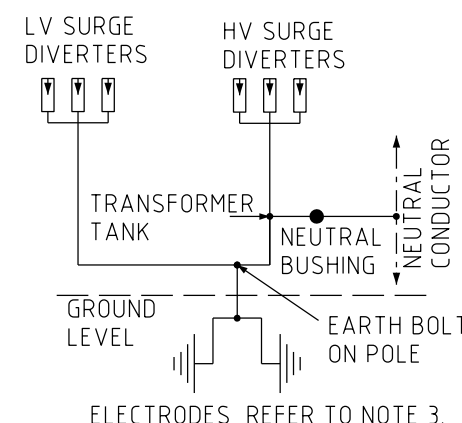
ISOMETRIC DETAIL A
N.T.S.

NOTES:

- ALL EARTHING CONDUCTOR MUST BE 70 SQMM COPPER WITH YELLOW/GREEN INSULATION ITEM NUMBER: 401059 ALL CONNECTIONS MUST BE VIA M12 STAINLESS STEEL BOLTS.
- WHERE HOT DIPPED GALVANIZED TRANSFORMER TANKS ARE USED, CONNECT THE HV SURGE DIVERTER EARTH TO THE TRANSFORMER TANK. WHERE PAINTED TRANSFORMER TANKS ARE INSTALLED ALL HV SURGE DIVERTER EARTH'S MUST BE BONDED TOGETHER AND CONNECTED TO THE TRANSFORMER EARTH VIA 70 SQMM COPPER CABLE.
- REFER TO DRAWING NUMBERS S01-02-03-11, S01-02-03-12 OR S01-02-03-13 FOR APPROPRIATE UNDERGROUND EARTHING DETAILS.
- LV CONNECTIONS NOT SHOWN FOR CLARITY, REFER TO S01-02-06-05.
- LV SURGE DIVERTERS MUST BE BONDED TOGETHER AND CONNECTED TO THE NEAREST EARTH ATTACHMENT HOLE USING ITEM 5 & 6.
- COMBINED EARTH RESISTANCE VALUE MUST NOT EXCEED 30 OHMS WHEN HV AND LV MEN CONNECTIONS ARE REMOVED



DETAIL A
1:20



SINGLE LINE DIAGRAM

ITEM	QTY	DESCRIPTION	ITEM NUMBER	DRG No.
8	1	LUG, COMPRESSION, TO SUIT NEUTRAL CABLE	-	S02-01-02-11
7	AR	CABLE, NEUTRAL, SAME SIZE AS ACTIVE PHASES	-	S02-01-01-34
6	1	M12 SS316 FLAT WASHER	114280	S01-01-04-43
5	1	M12x40 SS316 BOLT C/W NUT	114066	S01-01-04-43
4	1	TEE CLAMP	2295	S01-01-04-10
3	3	LUG-COPPER COMPRESSION - 70 Sq.mm	5512	S02-01-02-11
2	AR	CONDUCTOR - COPPER - 70 Sq.mm G/Y	401059	S02-01-01-23
1	AR	NEUTRAL CONDUCTOR	-	-

MATERIAL SCHEDULE

NO	DESCRIPTION	DRN	DATE	CKD	APPD
6	ADDED ITEMS 7 & 8. CHANGED TAGS TO SUIT ITEMS 7 & 8. UPDATED ITEMS 5 & 6.	A.N.	JAN'22	B.V.	B.C.
5	ITEM 2 & 5 AMENDED	R.A.	JUL'21	C.C.C.	B.V.
4	PG CLAMP REMOVED AND DETAIL A & B ADDED	C.C.	OCT'20	B.V.	B.C.
3	TITLEBLOCK & DRAWING NUMBERS FORMATTED	K.T.	JAN'19	C.C.	C.C.
2	ITEMS 5 & 6 ADDED, NOTE 5 AMENDED	K.T.	MAY'16	I.B.	B.C.
1	ISSUED FOR CONSTRUCTION	C.C.	MAR'12	A.T.	S.C.

AMENDMENTS



DES		POWER STANDARD DRAWING	
DES	A.TAYLOR	EARTHING SUBSTATION SINGLE POLE	
DRN	C.COPPINS	A3	DRAWING NUMBER S01-02-03-23
CKD	A.TAYLOR		
APPD	A.TAYLOR	DRAFTING STANDARD TO A.S.1100	CAD PRODUCT - DO NOT AMEND MANUALLY
SCALE	AS SHOWN		
ISSUED	DECEMBER 2011	AMDT	
ALL DIM. IN mm			