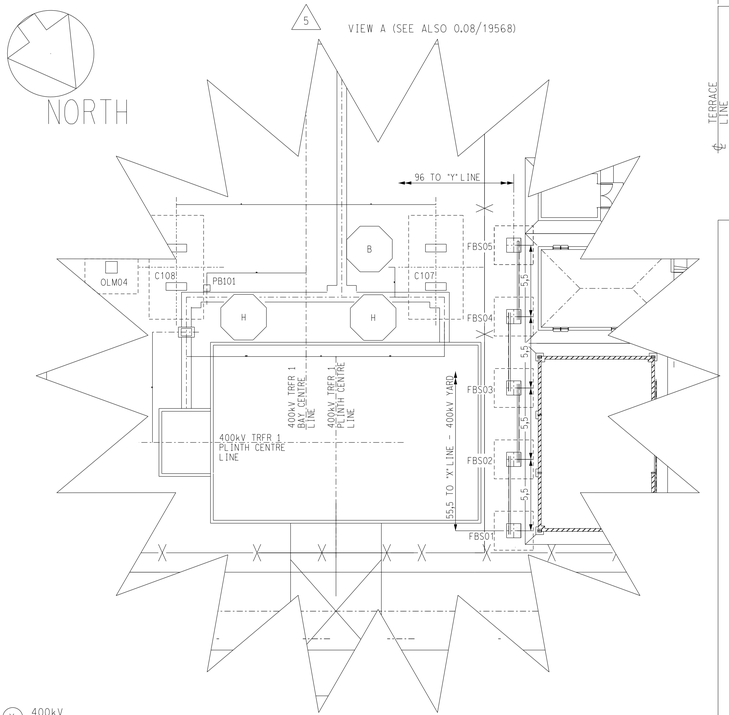
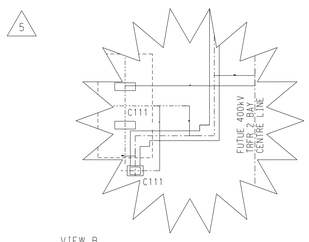
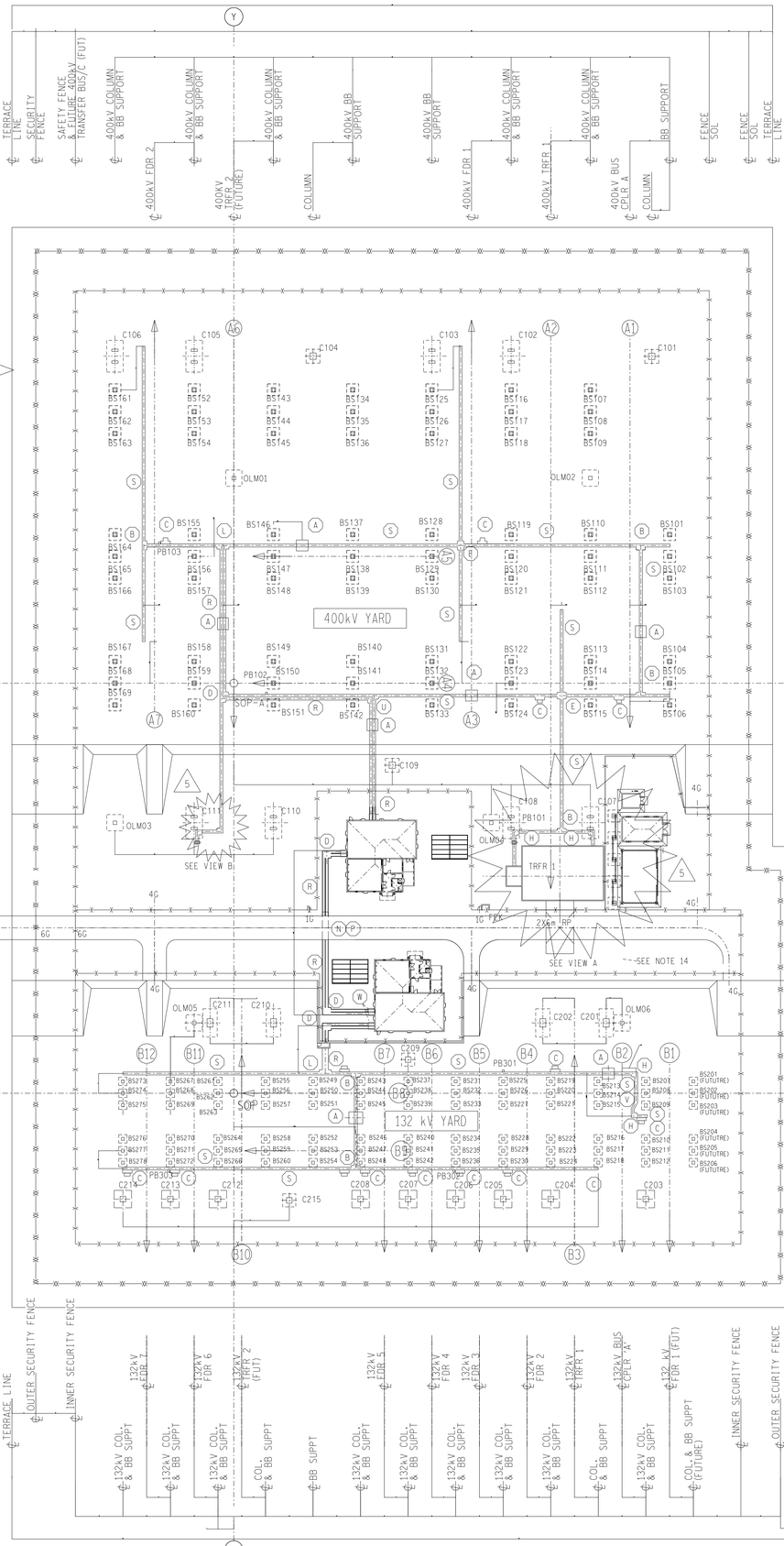
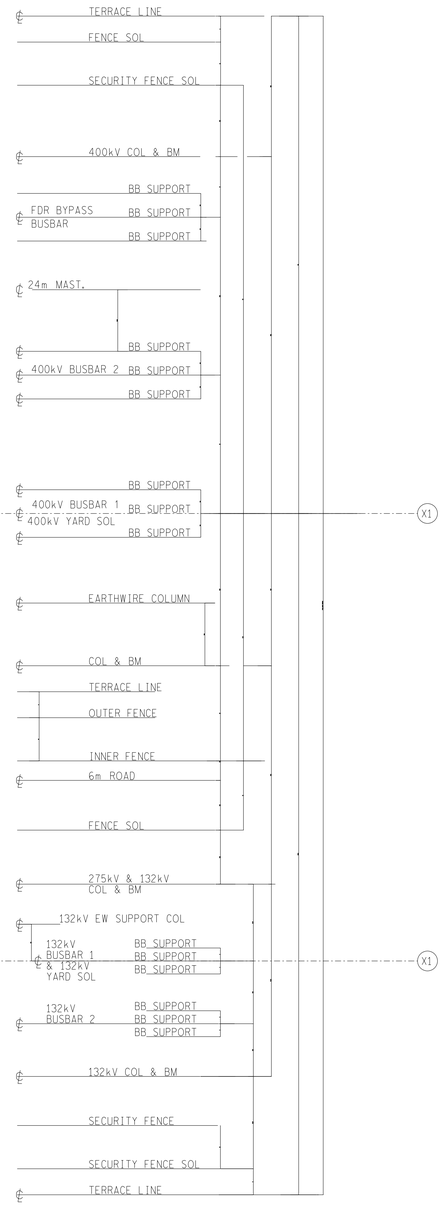




VIEW B
(SEE ALSO 0.08/19534 SHEET 45)





SCHEDULE A - MAIN BASES 400 kV YARD (STAGE 2 - 400kV YARD INTEGRATION)					
ITEM	MARK	TYPE	No OFF	DRG No 0.54/	REMARKS
COLUMN	C102, C103, C105, C106, C107, C108, C110 & C111	NC2	8	3996	SEE 0.08/19596 FOR FDN LEVELS
	C101 C104, C109	NC9	3	3996	
B/B SUPPORT	BS101 - BS169		69	4726	
OP FLOOD-LIGHT MAST	OLM01, OLM02, OLM03 & OLM04	24m	4	4659	
FIRE BARRIER SUPPORT FOUNDATION	FBS01 - FBS05		5	4169	

SCHEDULE B - EQUIPMENT BASES 400 kV YARD (STAGE 2 - 400kV YARD INTEGRATION)				
TYPE	DRG No 0.54/	No OFF	REMARKS	
ISOLATOR FOUNDATION	6435	15	TO BE GROUPED - SEE NOTE 8	LOCATED ON BAY LAYOUT SCHEDULE 0.08/19534
EARTH SWITCH FOUNDATION	6432	5		
PANTO ISOLATOR & PI FDN's	5829	57		
CIRCUIT BKR FOUNDATION	6433	12		
LARGE EQUIP SUPP FOUNDATION	4368	12	CT	
MEDIUM EQUIP SUPP FOUNDATION	4358	56	PI, LT, CVT, SA	
FOUNDATION (SA/FIRE BARRIER)	4726	3		
JUNCTION BOX FOUNDATION	4713	4		
LABEL SUPPORT FOUNDATION	401	5	CB's & TRFR	
PLUG BOX FDN (PB101 - PB103)	710	3		
FIRE EQUIP KIOSK	390 DTL 56	1		
TRANSFORMER PLINTH (TRFR1)	0.08/19568	1		
TDB FOUNDATION	3568	1	LOCATED ON BAY LAYOUT SCHEDULE 0.08/19534 SHT 44	
AUX TRFR FOUNDATION	2089	1		
TERTIARY BAY COL FOUNDATION	316 sht 1	2		
5 TDB FOUNDATION	3568	1	LOCATED ON 0.08/19534 SHT 45	

SCHEDULE C - MAIN BASES 132 kV YARD					
ITEM	MARK	TYPE	No OFF	DRG No 0.54/	REMARKS
COLUMN	C201, C202, C210, C211(275kV)	NC2	4	3989	SEE 0.08/19596 FOR FOUND LEVELS
	C203, C204, C205, C206, C207, C208, C212, C213, C214	RC4	9	4316	
	C209 & C215	RC2	2	4316	
B/B SUPPORT	BS207-BS278		72	4319	
OP FLOOD-LIGHT MAST	OLM05-OLM06	24m	2	4659	

SCHEDULE D - EQUIPMENT BASES 132kV YARD			
TYPE	DRG No 0.54/	No OFF	REMARKS
ISOLATOR FOUNDATION	465	22	TO BE GROUPED - SEE NOTE 8
EARTH SWITCH FOUNDATION	4312	12	
CIRCUIT BKR FOUNDATION	6493	8	
MEDIUM EQUIP SUPP FOUNDATION	4358	105	CT, SA, PI, VT
JB FDN (INCL BUSBAR E/S & VT BAYS)	4713	10	LOCATED ON BAY LAYOUT SCHEDULE 0.08/19534
PLUG BOX FDN (PB301, PB302 & PB303)	710	3	

TRENCH DETAILS PERTAINING TO 0.54/390 (STANDARD CIVIL DTLS)	
(A)	DETAIL 37
(B)	DETAIL 22
(C)	DETAIL 76
(D)	DETAIL 21
(E)	DETAIL 22A
(F)	DETAIL 27
(G)	DETAIL 25
(H)	DETAIL 19
(J)	DETAIL 27 (MODIFIED)
(K)	DETAIL 24
(L)	DETAIL 23
(M)	DTL 25A (L-SHAPE)
(N)	DETAIL 34
(P)	DETAIL 66
(R)	DETAIL 16
(S)	DETAIL 15
(T)	DETAIL 43a
(U)	DETAIL 26
(V)	DETAIL 30
(W)	SEE 0.08/19493

NOTES:

1. ALL CIVIL AND BUILDING WORK IN ACCORDANCE WITH S.A.B.S. 1200 SERIES SPECIFICATIONS.
2. CONCRETE MIX TO GRADE 20/ 20 - 25.
3. DEPTH OF FOUNDATION TO BE INCREASED AND/OR RE-INFORCEMENT ADDED IF SITE CONDITIONS MAKE IT NECESSARY.
4. ALL TOP EDGES OF CONCRETE ABOVE G.L. TO HAVE 25mm CHAMFER AT 45°.
5. GROUT REQUIRED UNDER BASE PLATE ONLY.
6. H.D. BOLTS COMPLETE WITH NUTS & WASHERS TO BE SUPPLIED BY CIVIL CONTRACTOR.
7. ALL H.D. BOLTS & NUTS TO CONFORM TO SABS 135 - STRENGTH GRADE 4.6.
8. STEEL TEMPLATE TO BE USED FOR SETTING H.D. BOLTS.
9. FORMWORK TO UPPER SIDES OF FOUNDATIONS TO EXTEND TO AT LEAST 100mm BELOW GROUND LEVEL.
10. FOUNDATIONS INDICATED AS BEING GROUPED TO BE IN ACCORDANCE WITH SABS 1200.
11. T.O.C. = TOP OF CONCRETE.
12. ALL WELDING AND WELDING SYMBOLS TO CONFORM TO SABS 0.44 PART 1 TO PART 5.
13. SEE 0.08/19596 FOR FOUNDATION LEVELS SCHEDULE
14. PLINTH DESIGN PENDING

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
5	TRENCH EXTENDED AND TDB FOR 11kV 400kV AUX SUPPLY ADDED SECTION TAKEN 2 AUX TRFR 1 (TRF1)	ALG	MP	DS	19/04/11
4	400kV YARD FDN SCHEDULE REVISED & SFE BARRIER 400kV YARD SHOWN	ALG	MP	AA	05/12/10
3	STAGE 2 400kV YARD INTEGRATION	ALG	EN	AA	22/01/10
2	C215 POSITION REVISED	ALG	EN	AA	14/01/10
1	RAMPS REMOVED	ALG	EN	AA	12/11/09

19534	BAY LAYOUT SCHED
19532	FENCE LAYOUT
19531	STLMK MARKING PLAN
19530	EARTHMAT LAYOUT
19529	FDN & TRENCH LAYOUT
19533-2	132kV TUB B/BAR LAYOUT
19533-1	400kV TUB B/BAR LAYOUT
19535	O/H EARTHWIRE LAYOUT
19528	KEY PLAN
19527	STATION ELECTRIC

REFERENCE DRAWINGS 0.00/

APPROVED BY A. AMOO
DATE 22 JULY 2009
CHECKED BY E. NAICKER
DATE 22 JULY 2009
DRAWN BY A.J.E ORANGE
DATE 21 JULY 2009
SCALE 1:500

Eskom Transmission

ESKOM HOLDINGS LIMITED REG NO. 2002/015527/06

GUMENI
FOUNDATION AND TRENCH

©

SHEET NUMBER 0.08/19529
REVISION -- 5

SIZE GROOTTE A0L