



1. ALL WORK TO BE DONE IN ACCORDANCE WITH SABS 1200 LATEST REVISION.
2. TOP OF EQUIPMENT FOUNDATIONS TO BE 150mm ABOVE TERRACE LEVEL+ TOP OR ON FOUNDATION LEVELS.
3. H.V. YARD TO HAVE A CLEAN, HARD, SOUND CRUSHED STONE OF A MINIMUM 25mm NOMINAL SIZE, 100mm THICK LAYER. THIS SHOULD APPLY AFTER INSTALLATION OF ALL EQUIPMENT AND CABLES.
4. ALL FOUNDATION H.D BOLTS TO BE ALIGNED FOR CASTING OF CONCRETE TO A TOLERANCE OF $\pm 2mm$. FOUNDATION TOLERANCE TO BE IN ACCORDANCE WITH SABS 1200 G.6 CLAUSE 11.
5. DEPTH OF EQUIPMENT FOUNDATIONS TO BE NOT LESS THAN SHOWN ON DETAIL DRAWING AND NOT LESS THAN 300mm INTO NATURAL GROUND.
6. ALL TOP EDGES OF CONCRETE ABOVE GROUND LEVEL TO HAVE 25mm CHAMFER AT 45°
7. ALL FOUNDATIONS TO HAVE 25mm GROUT UNDER BASEPLATES ONLY. GROUT MIX 2:1 ALL GRADES AND BE SUPPLIED WITH 2 NUTS AND 2 WASHERS. GROUT MUST BE A FEATHERED FINISH TO ALLOW WATER TO RUN FREE FROM BASEPLATE.
8. ROAD CROSSING SUPPORT STRUCTURES TO BE RAIL-BOLTED ON CONCRETE SLIPWAY.
9. STRUCTURES SHALL BE ERECTED, ALIGNED, SQUARED, PLUMBED AND LEVELLED TO AN ACCURACY SPECIFIED IN SABS 1200 H.6.2.2.2-C-12 - CLASS II
10. EQUIPMENT NOT FITTED WITH 26mm or 38 or 38mm ϕ CONNECTION PRONGS MUST BE FITTED WITH TINNED 26mm ϕ OR 38mm ϕ BRASS PRONGS DRILLED AND TAPPED TO APPROPRIATE SIZES.
11. ALL SURFACE AREAS OF CONDUCTOR OR CONTACT AREA OF CONNECTION CLAMPS MUST BE TREATED AS DESCRIBED PRIOR TO MAKING A CONNECTION OR CRIMPED CONNECTION.
 - a. 1) APPLY THIN LAYER OF NON OXID GREASE TO SURFACE AREA.
 - b. 1) BRUSH NON OXID GREASE AREA THOROUGHLY WITH A CLEAN WIRE BRUSH.
 - c. 1) WIPE SURFACE AREA CLEAN WITH RAG AND IMMEDIATELY APPLY A FRESH LAYER OF NON OXIDE GREASE TO CLEAN SURFACE AREA.
 - d. 1) FIT CLAMP TO CONNECTOR PRONG OR CONDUCTOR AND TORQUE TO 8-10mm GALVANIZED STEEL BOLTS - 15Nm
 - e. 2) 210mm ALUMINUM STEEL BOLTS - 25Nm
 - f. 3) 312mm GALVANIZED STEEL BOLTS - 45Nm
 - g. 4) 8mm STAINLESS STEEL BOLTS - 20Nm
 - h. 5) 10mm STAINLESS STEEL BOLTS - 35Nm
 - i. 6) 12mm STAINLESS STEEL BOLTS - 50Nm
 - j. 7) 8mm ALUMINUM STEEL BOLTS - 10Nm
 - k. 8) 10mm ALUMINUM BOLTS - 21Nm
 - l. 9) 12mm ALUMINUM BOLTS - 36Nm
12. ALL CLAMPS FROM THE 22KV TO THE 22KV SA TO BE TAPED FIRST WITH SOME PUTTY TAP AND THEN COVERED WITH P23 TAPE.
13. PLACE 3 x 150mm PVC PIPES 250mm ϕ C UNDER TAPER SLIPWAY.

2-IN/3IS wht 6	SECTIONS AND CLAMPS
2-IN/3IS wht 5	GENERAL ARRANGEMENT
2-IN/3IS wht 4	EARTH/MAT LAYOUT
2-IN/3IS wht 3	FOUNDATION LAYOUT
2-IN/3IS wht 1	SINGLE ELECTRIC DIAGRAM
END	REFERENCE: DRAWING

ECON FOR IS USED FOR BETA FOR			NALC	K.M.	06/08/2011		
1	PAFURI 11KV FEEDER ADDED		N.V.T.	N.W.	B. MAUDU	11/06/2007	
REV	REVISION DESCRIPTION		BY	CHKD	AUTH	DATE	PROJECT NO.



SCALE 1

THIS DRAWING IS
PROPERTY OF E.S.

AUTH:	L MARAIS
DATE:	05/08/1994

CHRG:	W CALITZ
DATE:	03/08/1994

CRABH:	J L R
DATE:	15/07/1994

EERSTEGOUD SUBSTATION
66/33/11kV
GENERAL ARRANGEMENT

2-NT/311	SET	SHEET	REVISION
	5	5	8

PLAN
GENERAL ARRANGEMENT
SCALE 1:200