

NOTES:

FOUNDATION :

DESCRIPTION	USE FOR	DRAWING NO.	REV NO.
CI-C22	66kV COLUMN FOUNDATION	D-DT-5206-1A	4
C101-C106	11kV COLUMN FOUNDATION	0.54/326	6
CB1-CB6	66kV CIRCUIT BREAKER FOUNDATION	D-DT-5201-1A	7
CB101-CB104	11kV CIRCUIT BREAKER FOUNDATION	D-DT-5216-1A	6
CSE101-CSE102	MV CABLE SEALING END	D-DT-5213-1A	10
CT1-CT21	MEDIUM EQUIPMENT SUPPORT FOUNDATION	D-DT-5206-1A	9
FW1-FW3 & FW4-FW6	FIRE WALL FOUNDATION	D-DT-5218-1A	2
ISI-ISI7	66kV ISOLATOR FOUNDATION	D-DT-5203-1A	11
IS101-IS106	11kV ISOLATOR FOUNDATION	D-DT-5205-1A	6
LM1 - LM3	14m LIGHT MAST FOUNDATION	D-DT-5217-1B	6
LM4 - LM6	21m LIGHT MAST FOUNDATION	D-DT-5217-1C	8
NEC101-NEC102	11kV NEC/AUX TRFR FOUNDATION	D-DT-5207-1A	2
SA1-SA15	66kV SURGE ARRESTOR	D-DT-5206-1A	9
T2 & T3	66/11kV TRFR OIL CONTAINMENT AREA	D-EC-862-09 & 10	0
TB101-TB104	11kV BUSBAR SUPPORT FOUNDATION	D-DT-5226-1A	0
VT1-VT6	66kV VOLTAGE TRANSFORMER	D-DT-5206-1A	9
VT101	11kV VOLTAGE TRANSFORMER	D-DT-5206-1A	9
PI16-PI21	MEDIUM EQUIPMENT SUPPORT FOUNDATION	D-DT-5206-1A	9

NOTES:

- ALL WORK TO BE DONE IN ACCORDANCE WITH S.A.B.S.1200 LATEST REVISION.
- ALL LEVELS TO BE SET-OUT FROM BENCH INDICATED ON SHEET 2.
- TOP OF EQUIPMENT FOUNDATIONS TO BE 150mm ABOVE TERRACE LEVEL; TOP OF TRFR PLINTH TO BE 100mm ABOVE TERRACE LEVEL, EXCEPT WHERE OTHERWISE SHOWN ON FOUNDATION LEVELS.
- H.V. YARD TO HAVE A CLEAN, HARD, SOUND CRUSHED STONE OF A MIN 25mm NOMINAL SIZE, 100mm THICK LAYER, THIS SHOULD APPLY AFTER INSTALLATION OF ALL EQUIPMENT AND CABLES.
- ALL FOUNDATION H.D. BOLTS TO BE ALIGNED FOR CASTING OF CONCRETE TO A TOLERANCE OF ± 2 mm. FOUNDATION TOLERANCE TO BE IN ACCORDANCE WITH S.A.B.S.1200 G.6 GRADE II.
- DEPTH OF EQUIPMENT FOUNDATIONS TO BE NOT LESS THAN SHOWN ON DETAILS DRAWING AND NOT LESS THAN 300mm INTO NATURAL GROUND.
- ALL TOP EDGES OF CONCRETE ABOVE G.L. TO HAVE 25mm CHAMFER AT 45
- ALL FOUNDATIONS TO HAVE 25mm GROUT UNDER BASEPLATES ONLY; GROUT MIX 2:1. ALL H.D. BOLTS ARE SUPPLIED WITH 2 NUTS AND 2 WASHERS. GROUT MUST BE A FEATHERED FINISH TO ALLOW WATER TO RUN FREE FROM THE BASEPLATE.

LEVELS NOTES:

C19 IS TO BE 200mm ABOVE GROUND LEVEL, CONSTRUCT C20, C21 TO THE SAME HEIGHT.
TB101 IS TO BE 200mm ABOVE GROUND LEVEL, CONSTRUCT TB102-TB106 TO THE SAME HEIGHT.

SET 11 SHT 11	TRENCH & FENCE LAYOUT
SET 11 SHT 10	TRFR 3 PLINTH DETAILS
SET 11 SHT 9	TRFR 2 PLINTH DETAILS
SET 11 SHT 8	SECTION AND CLAMPS LAYOUT
SET 11 SHT 7	ELECTRICAL EQUIPMENT LAYOUT
SET 11 SHT 6	STEELWORK LAYOUT
SET 11 SHT 4	EARTHMAT LAYOUT
SET 11 SHT 2	SITE PLAN
SET 11 SHT 1B	STATION ELECTRIC DIAGRAM
SET 11 SHT 1A	STATION ELECTRIC DIAGRAM
DRG NO.	REFERENCE DRAWINGS:

5	SUBSTATION REFURBISHMENT PROJECT, DRAWING UPDATED.	AC		23/08/2021	
4	SUBSTATION REFURBISHMENT, TRFR 1 DECOMMISSIONED & 11kV BUSBARS ADDED.	VL	M.O	29/06/17	
REV	REVISION DESCRIPTION	BY	CHKD	DATE	PROJECT NO.



AUTH: N.M.Webber

DATE: 02/04/99

CHKD: C.Lottering

DATE: 04/03/99

DRAWN: M.Gallant

DATE: 03/07/98

DIMBAZA
66/11kV SUBSTATION
FOUNDATIONS

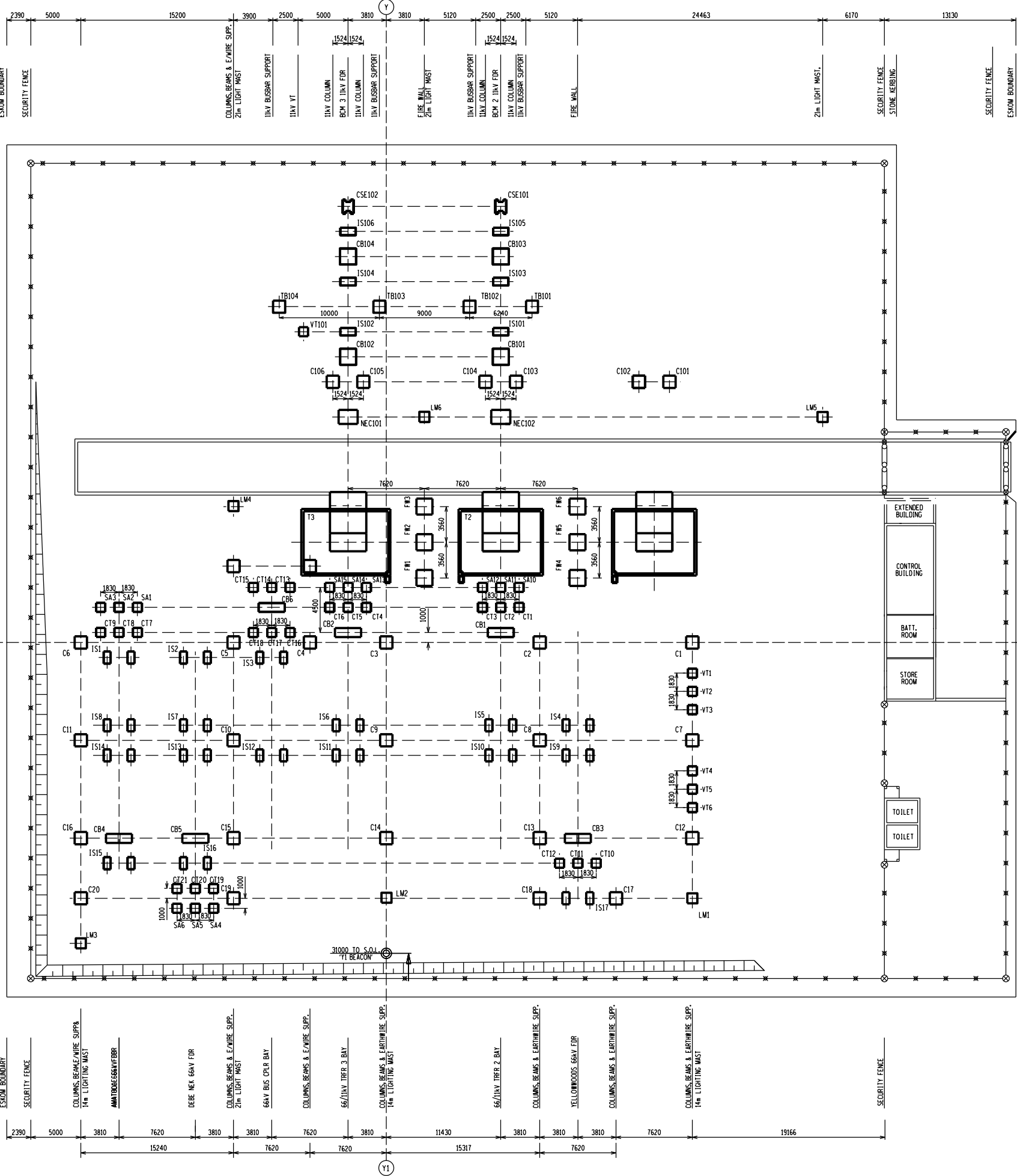
D-EC-862

SET	SHEET	REVISION
11	5	5



SCALE 1:250

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ESKOM BOUNDARY	2390
SECURITY FENCE	5000
11kV CABLE SEALING END,	15200
11kV ISOLATOR	3900
11kV BKR & 11kV SA	2500
11kV ISOLATOR	5000
11kV TUBULAR BUSBAR	3810
11kV ISOLATOR & VT	3810
11kV BKR	5120
COLUMNS & BEAMS	2500
11kV NEC/AUX TRFR 3 & 2	2500
21m LIGHT MAST,	2500
ROAD	2500
ROAD	2500
21m LIGHT MAST	2500
66/11kV TRFR 3 & 2	2500
COLUMNS, BEAMS & EARTHWIRE SUPP.	2500
66kV CT	2500
66kV SA & 66kV PI	2500
66kV BREAKERS	2500
66kV CT & 66kV BREAKERS	2500
66kV COLUMNS & BEAMS	2500
66kV BYPASS ISOLATOR	2500
66kV VT BUSBAR 1	2500
66kV BUSBAR 1 ISOLATOR	2500
COLUMNS & BEAMS	2500
66kV BUSBAR 2 ISOLATOR	2500
66kV VT BUSBAR 2	2500
66kV COLUMNS, BEAMS & 66kV BKR.	2500
66kV ISOLATOR, & 66kV CT	2500
66kV CT	2500
66kV ISOLATORS, 14m LIGHTING MAST,	2500
66kV COLUMNS, BEAMS & 66kV SA.	2500
14m LIGHTING MAST	2500
SECURITY FENCE	2500
ESKOM BOUNDARY	2500

ESKOM BOUNDARY	2390
SECURITY FENCE	5000
COLUMNS, BEAMS & EARTHWIRE SUPP.	3810
14m LIGHTING MAST	7620
AMTODS 66kV BKR	3810
DEBE NEK 66kV FOR	3810
COLUMNS, BEAMS & EARTHWIRE SUPP.	7620
21m LIGHT MAST	3810
66kV BUS C/R BAY	7620
COLUMNS, BEAMS & EARTHWIRE SUPP.	3810
66/11kV TRFR 3 BAY	7620
COLUMNS, BEAMS & EARTHWIRE SUPP.	3810
14m LIGHTING MAST	11430
66/11kV TRFR 2 BAY	15317
COLUMNS, BEAMS & EARTHWIRE SUPP.	3810
YELLOWWOODS 66kV BKR	3810
COLUMNS, BEAMS & EARTHWIRE SUPP.	3810
COLUMNS, BEAMS & EARTHWIRE SUPP.	7620
SECURITY FENCE	19166