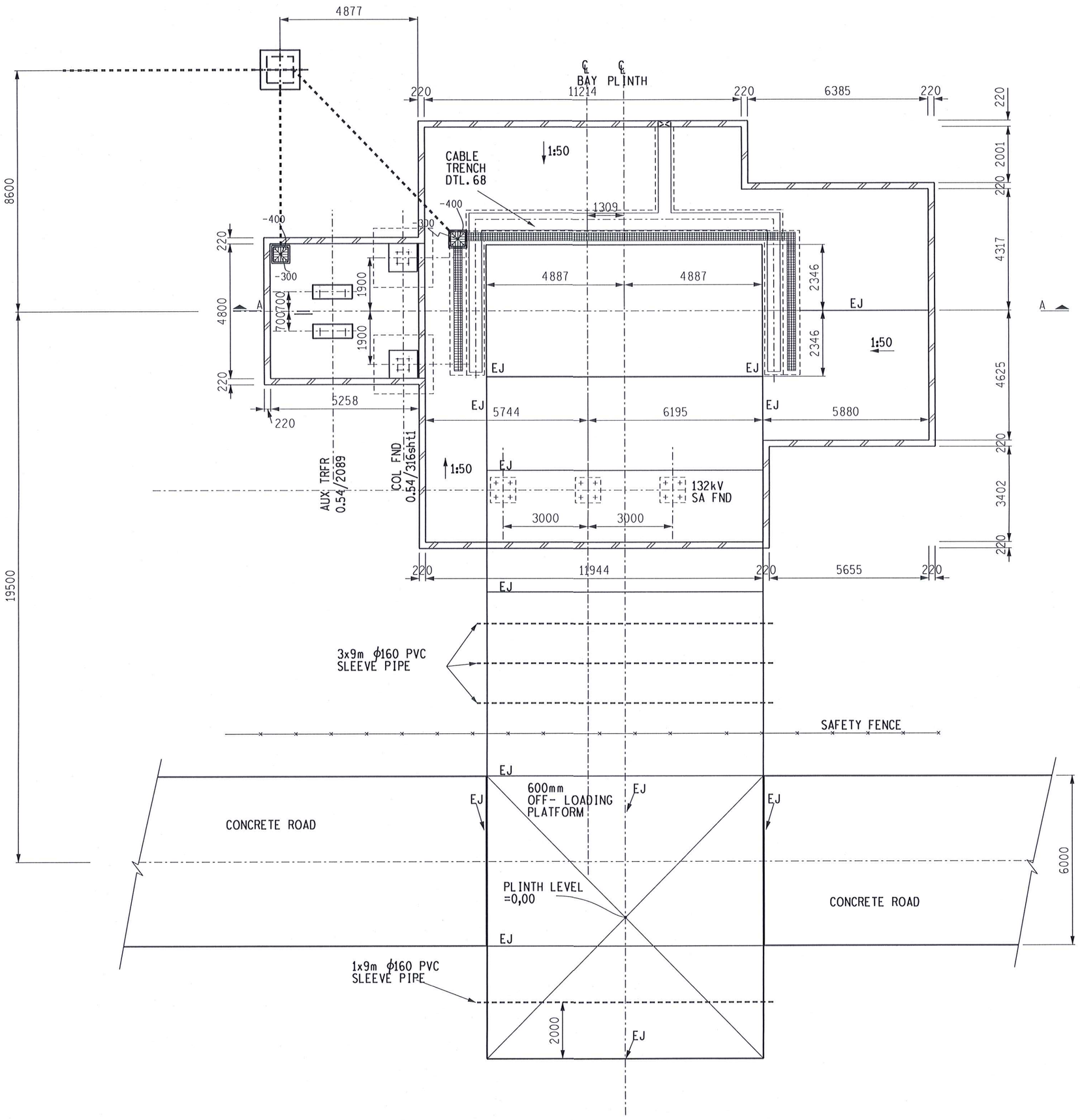

PLAN
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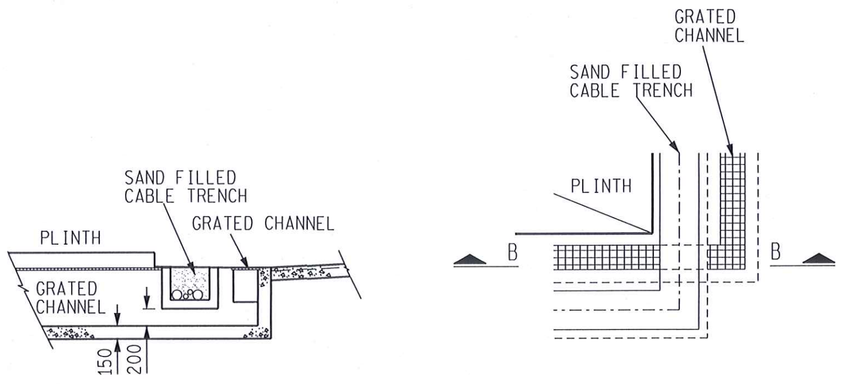


SECTION B-B

DETAIL 'C'
1:2

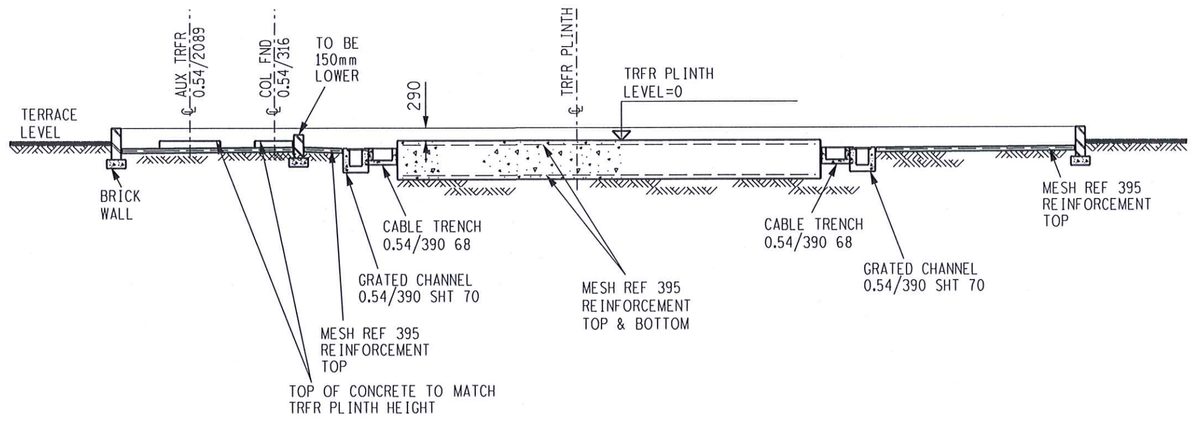
FOUNDATION PLINTH TOLERANCES
TRANSFORMER PLINTH TOP FINAL LEVEL TO BE LEVEL WITHIN A TOLERANCE OF PLUS MINUS 3mm IN 3m IN ALL DIRECTIONS LEVELS TO BE CONFIRMED WITHIN 5 DAYS AFTER CONSTRUCTION.

LEGEND :

- NEW BRICK WALL SEE DRG 0.54/390 SHT 46
- CABLE TRENCH ENTRY DRG 0.54/390 SHT 49b
- SAND FILLED CABLE TRENCH INSIDE TRFR BUND EREA DRG 0.54/390 SHT 68 INSIDE BUND AREA
- SINGLE CABLE TRENCH 0./390 SHT 15
- GRATED CHANNEL SEE DRG 0.54/390 SHT 70 GRATED CHANNEL SUMP DRG 0.54/390 DHT 71
- MANHOLE SEE DRG 0.54/390 SHT 1
- ϕ300 CLASS 50D SPIGOT AND SOCKET PIPES WITH NEOPRENE RINGS LAID ON CLASS B BEDDING
- SUMP SEE DRG 0.54/390 SHT 69
- SAFETY FENCE DETAILS 0.54/4963 SHT 1-5

NOTES:

1. CONSTRUCTION WORK TO COMPLY WITH S.A.B.S. 1200
2. CONCRETE STRENGHT AT 28 DAYS/STONE
   SIZE: BLINDING = 15/19
   FOUNDATION = 25/19
   CONCRETE CASED IN FOUNDATION: SLUMP VALUE 75mm (TOLERANCE ±25mm)
3. MIN. CONCRETE COVER TO REINFORCEMENT = 50 mm.
4. FOUNDATIONS TO FOUND ON GROUND BEARING CAPACITY OF MIN. 150kPA. IN ALL CASES, COMPETENTCY OF FOUNDING MATERIAL TO BE ESTABLISHED BY A GEOTECHNICAL ENG. DEPTH OF PLINTH TO BE INCREASED AND/OR REINFORCEMENT ADDED IF SITE CONDITIONS MAKE THIS NECESSARY
5. AUX. TRFR AND COOLER BANK FOUNDATIONS TO BE AT SAME LEVEL AS TOP OF CONC. OF TRANSFORMER PLINTH. ALL LEVELS ARE RELATIVE TO TOP OF TRANSFORMER PLINTH.
6. ALL TOP EDGES OF CONCRETE TO HAVE 20x20 CHAMFERS
   CONCRETE FINISH : TOP OF FOUNDATION - WOODFLOAT FINISH
   : SIDES - SMOOTH OFF SHUTTER FINISH
7. NEW H.D. BOLTS SUPPLIED BY CIVIL CONTRACTOR COMPLETE WITH NUTS AND WASHERS TO BE HOT DIPPED GALVANIZED TO SABS 763 CHEMICAL ANCHORS TO BE FISHER RG M30- 4 OFF FOR EACH FND. BOLTS TO BE FIXED WITH RESIN ANCHOR CAPSULES. TO SUPPLIER SPECIFICATIONS
8. STEEL TEMPLATE TO BE USED FOR SETTING H.D. BOLTS
9. BUND WALLS TO BE CONSTRUCTED WITH CLAY BRICKS CLASS FBS TO SABS 227 SPECIFICATION AS PER DETAIL ON DRG 0.54/390 SHT 46. THE SECTION OF WALL OVER CONCRETE RUNWAY TO BE BUILT AFTER TRFR IS INSTALLED WITH STRAIGHT BRICK JOINTS. BRICKWORK TO BE STRETCHER BOND WITH TOP TO BE BRICK ON EDGE. REINFORCE EVERY COURSE WITH BRICK FORCE.
10. FOR CIVIL CONSTRUCTION DETAILS SEE 0.54/390
11. BUND FLOOR TO FALL AT A MIN. 1:50 TOWARDS GUTTER OR SUMP
12. FOR EXPANSION JOINTS BETWEEN FLOOR/BUNDWALL AND FLOOR/ GUTTER SEE DRG. 0.54/390 SHT 40
13. ACCELERATION OF CONCRETE STRENGTH:
    13.1. SIKARAPID-2 (OR SIMILAR APPROVED)TO BE USED TO ENSURE EARLY GREEN STRENGTH AT 3 DAYS OF 25MPa AS PER SUPPLIER SPECIFICATION.
    13.2. CONSUMPTION DOSAGE TO BE 1-2% BY WEIGHT OF CEMENT EITHER MIXED WITH THE GAUGING WATER OR TO ADD TO BASIC CONCRETE CARRIED IN THE TRANSIT MIXER.
14. CENTER LINES OF PLINTH TO BE PERMANENTLY MARKED BY CONTRACTOR. FOR PLINTH POSITION TO BE CONFIRM ON FOUNDATION LAYOUT
15. ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE.
16. ALL GRIDS AND ANGLES TO BE HOT DIPPED GALVANISED.



SECTION A-A
1:100

NOT FOR CONSTRUCTION

REV	REVISION DESCRIPTION	DRAWN	CHKD	AUTH	DATE
1	AUX TRFR ADDED	AK	PS		

1234 STATION ELECTRIC
TD- REFERENCE DRAWINGS

APPROVED BY: D SENEKAL
DATE 19-01-2017
CHECKED BY: B. HAJEE
DATE 19-01-2017
DRAWN BY: A. KAKA
DATE 19-01-2017
SCALE AS SHOWN

Eskom
Eskom Holdings SOC Limited
REG No. 2002/015527/30

WESKUSFLUER

400/132/22kV 250MVA TRANSFORMER 11
PLINTH DETAILS

©

SHEET NUMBER	REVISION
1	1

WKoe11P01-SE-D44

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