

L.P. SERVICES PUMPHOUSE

CABLE RACKING

PIPE TRENCH

22700

1800 9400 2180 800 2150 2150 1520 900 1800

3x  $\phi 150$  SLEEVE PIPES

1200  
700  
3150  
2000  
1400

2x5x $\phi 150$   
SLEEVE PIPES

900



RACKED OUT POSITION

SUBSTATION

F.F.L. = - 0,900

F.F.L. = 0,000

F.F.L. = - 0,300 (TYPICAL)  
H.T. SIDE

12 x  $\phi 150$  SLEEVE PIPES

L.V. SIDE

50ET049 11/0,4kV TRFR

50ET050 11/0,4kV TRFR

L.V. SIDE

12 x  $\phi 150$  SLEEVE PIPES

H.T. SIDE

H.T. SIDE

12 x  $\phi 150$  SLEEVE PIPES

L.V. SIDE

50ET047 11/3,3kV TRFR

50ET048 11/3,3kV TRFR

L.V. SIDE

12 x  $\phi 150$  SLEEVE PIPES

H.T. SIDE

PIPE TRENCH

DRAW BOX SEE 0.63/15217

11200  
(N.T.S.)

3000

280

1800

7500

2600

9000

1800

280

4500

6460

4500

38440

### LEGEND

- 50EC/H 11kV EFFLUENT CONCENTRATION PLANT BOARD A & B (S.S. - 0.63/20640)
- 50FC/D 3,3kV EFFLUENT CONCENTRATION PLANT BOARD A & B (S.S. - 0.63/20641)
- 51GD/E 380V EFFLUENT CONCENTRATION PLANT BOARD A & B (S.S. - 0.63/5085)
- 50DC001 BATTERY TRIPPING UNIT 1 (0.63/21356)
- 50DC002 BATTERY TRIPPING UNIT 2 (0.63/21357)
- 50HF05 ALARM PANEL (0.63/21462 SHTS 1-7)
- 504ND1 BUS ZONE PANEL (0.63/21355 SHTS 1-5)
- 50KR003 EFFLUENT CONCENTRATION PLANT SUBSTATION JUNCTION BOX (0.63/21234)

### NOTES

- ALL BOARDS TO BE BOTTOM ENTRY : POWER AND CONTROL CABLES.
- ALL BOARD SIZES SHOWN ARE THE MAXIMUM ALLOWED.
- TRANSFORMER LOADS : 1000kVA = 5 TONS  
3150kVA = 9 TONS
- BASE FRAMES TO BE INSTALLED BY CABLE CONTRACTOR  
PRIOR TO SCREEDING. (FOUNDATION ARRANGEMENT - 0.63/6326)
- FOR TRANSFORMER STANDARD PLINTH ARRANGEMENT SEE 0.63/5406 SHTS 1 - 4
- ALL CABLE OPENINGS IN WALLS ARE TO BE SEALED  
AFTER CABLES HAVE BEEN INSTALLED.



NO.	REV.	DATE	BY	CHKD.	APP'D.	DESCRIPTION
1						ISSUED FOR CONSTRUCTION
2						REVISIONS
3						REVISIONS
4						REVISIONS
5						REVISIONS
6						REVISIONS
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18						REVISIONS
19						REVISIONS
20						REVISIONS
21						REVISIONS
22						REVISIONS

  

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM. ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM. C.A.D. REF: 101,175,19780E000.R01	1:50	11/09/05	1
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ESOM • ESOM LETHABO POWER STATION EFFLUENT CONCENTRATION PLANT SUBSTATION ELECTRICAL LAYOUT	0.63 / 19780	1
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