



**NOTES**      **PIPE LAYOUT**

ROUTE 1 - GRAVITY FEED TO ABLUTION FROM 500mm ABOVE BOTTOM OF TANK ISOLATING VALVE AND TAP AS SHOWN.

ROUTE 2 - PUMP TO BATTERY ROOM EMERGENCY SHOWER AND MAINTENANCE SINK FROM BOTTOM OF TANK.

ALL PIPES ABOVE GROUND UP TO THE TANK TO BE 25mm GALVANISED PIPE. INSTALL A NON-RETURN VALVE TO BOTH SIDES OF THE BOOSTER PUMP. INSTALL A 16A MERCURY FLOAT SWITCH IN TANK. HOSE BIBTAP - COBRA 108-20 WITH 3/4" HOSE UNION & WINGNUT. 3/4" BSP MALE INLET TANK TO BE COVERED WITH A SUITABLE POLYETHYLENE TYPE "DOG KENNEL" COVER, SECURED TO THE SLAB.

THE HDPE PIPE BETWEEN THE BOOSTER PUMP AND BUILDING IS LIMITED TO  
 φ25 - 20m MAX. AT 5 BAR PRESSURE SETTING  
 φ32 - 100m MAX. AT 5 BAR PRESSURE SETTING

**BOOSTER PUMP**

IN LINE CENTRIFUGAL BOOSTER PUMP TO BE INSTALLED AS SHOWN TYPE 'LOWARA' OR STAINLESS STEEL BOOSTER SET CAM 70/45/B BLOCK UNIT WITH SINGLE PHASE PUMP AND 20 L DIAPHRAGM TANK PRESSURE GAUGE AND VARIOUS CONNECTORS. 5 BAR SETTING IS REQUIRED FOR EMERGENCY SHOWER SINGLE PHASE 1,5Kw POWER MINIMUM 80 Litre / MINUTE FLOWRATE FOR EMERGENCY SHOWER

2	WATER SUPPLY AND BOOSTER PUMP SPEC CHANGED	DBN	<i>[Signature]</i>	AN	DBN	23-6-2021	
1	BOOSTER PUMP SPEC CHANGED	DBN	AN	DBN		11-2-2020	
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REFERENCE DRAWINGS	

APPROVED BY  
DJS SENEKAL

DATE 20/4/2012

CHECKED BY  
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DATE 20/4/2012

DRAWN BY  
DB NAUDE

DATE 20/4/2012

SCALE

**Eskom Transmission**

ESKOM HOLDINGS LIMITED  
REG NO.  
2002/015527/06

**SUBSTATION STANDARDS**

WATER SUPPLY TANK, BOOSTER PUMP AND PIPE ROUTES  
WATER SUPPLY DEVIDED IN TWO SECTIONS - 2 PUMPS  
DETAILS AND SPESIFICATIONS.

SHEET NUMBER: 2      REVISION: 2

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