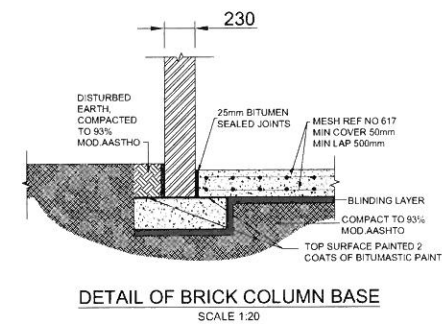


















PIPE SIZE (NB)	L (mm)	W x T (mm)	HS (mm)
50	160	40 x 6	14
65	175	40 x 6	14
80	190	40 x 6	14
100	215	40 x 6	14
150	265	40 x 6	14
200	315	40 x 6	14



PRESSURE REDUCING VALVE			QUANTITY	FLANGE TABLE
ITEM NR.	DESCRIPTION	DIMENSIONS		
1	2500 FLANGE ADAPTOR FOR STEEL/UPVC CLASS 16 PIPE		2	<div>SABS 1123 TABLE 1600</div>
2	250x150 FLANGED REDUCER		2	
3	1500 DOUBLE FLANGED STEEL PIPE WITH A PRESSURE TRANSMITTER (EXCLUDING PRESSURE GAUGE) AND PLUGGIE FLANGE		2	
4	150 x 100 FLANGED REDUCING TEE		2	
5	1500 NB ISOLATING WEDGE TYPE GATE VALVE		2	
6	1500 DOUBLE FLANGED DISTANCE PIECE WITH CLAMP PRESSURE TRANSMITTER		1	
7	1500 FLANGED STRAINER		1	
8	1500 DOUBLE FLANGED DISTANCE PIECE WITH CLAMP		1	
9	1500 PRESSURE REDUCING VALVE		1	
10	1000 DOUBLE FLANGED DISTANCE PIECE		2	
11	1000 x 90° FLANGED STEEL BEND		2	
12	1000 NB ISOLATING WEDGE TYPE GATE VALVE		2	
13	1000 DOUBLE FLANGED DISTANCE PIECE		2	
14	1000 PRESSURE REDUCING VALVE		1	
15	1000 DOUBLE FLANGED DISTANCE PIECE		2	
16	1000 MEINECKE TURBINE COSMOS WPD WATER METER (OR SIMILAR APPROVED), PN16. BOTH ENDS FLANGED TO SABS 1123 - 1600/3.		1	
17	1000 FLANGED STRAINER		1	
18	1000 MEINECKE TURBINE COSMOS WPD WATER METER (OR SIMILAR APPROVED), PN16. BOTH ENDS FLANGED TO SABS 1123 - 1600/3.		2	
19	1500B x 80NB FLANGED UNEQUAL TEE (AIR ACCUMULATOR), FLANGES DRILLED TO SANS 1123-1600/3		1	
20	FLANGED RISER PIECE, ONE END FLANGED TO SUIT AIR VALVE, OTHER END FLANGED TO SUIT 80NB. FLANGES DRILLED TO SANS 1123-1600/3		1	
21	80NB FLANGED, PN 16, RSV. (TO JOHANNESBURG WATER SPECIFICATIONS)		1	
22	80mm VENT-O-MAT AIR VALVE : TYPE 080 RBX 1601		1	
23	1500 DOUBLE FLANGED DISTANCE PIECE		2	

GENERAL NOTES:

1. ALL BRICKWORK TO BE PLASTERED EXTERNALLY AND INTERNALLY TO ENSURE WATER-TIGHT CHAMBER. USE ENGINEERING BRICK.
2. CONCRETE FOR THE BASE AND ROOF SLAB TO BE GRADE 25/19. COVER TO REINFORCEMENT = 20mm.
3. ALL FITTINGS TO BE PAINTED WITH COPON KS198 EPOXY PAINT. AFTER INSTALLATION OF BASE, REPAIR CRACKS IN CONCRETE.
4. ALL FLANGES TO TABLE 1600 OF SANS 1123.
5. PIPES TO BE WRAPPED WITH 6mm THICK POLYETHYLENE WRAP ON EXTERNAL WALLS.
6. CHAMBER DIMENSION AND DEPTH ARE SUBJECT TO CHANGE UPON CONFIRMATION OF THE EXISTING PIPE LOCATION.
7. FITTINGS ARE SUBJECT TO CHANGE UPON CONFIRMATION OF THE EXISTING PIPE MATERIALS.
8. EVERY CHAMBER MUST HAVE A 100mm DIAMETER VENT PIPE WITH MOSQUITO GAUZE. PEDESTALS TO BE PROVIDED AS DIRECTED BY THE DRAWING SITE.
9. VALUE KEY HOLES TO BE PROVIDED IN THE ROOF ABOVE EVERY VALVE OF THE PROTECTED CHAMBERS 2m MAXIMUM HEIGHT OF BRICK CHAMBER.
10. ENGINEERING BRICKS WITH BRICK-FORCE EVER 10 COURSE FOR ALL CHAMBERS.
11. ROOF SLAB TO BE MADE OF PRECAST PANELS.
12. 230mm BRICK-WALL OF 1m HIGH FROM BASE SLAB.

PRESSURE REDUCING VALVE (CLAYTON V ANTI CAVITATION RING)

ALL PRV SHALL COMPLY WITH FOLLOWING SPECIFICATIONS

- a. 500G-01ABCE/101 PRESSURE REDUCING VALVE
- b. STRAINER BODY AND COVER WITH STAINLESS STEEL TRIM
- c. FLOW INDICATED DOWNSTREAM INTERNALLY AND EXTERNALLY TO A MINIMUM OF 250 MICRONS PH 25 RATED
- d. COME WITH ADJUSTABLE CRD PRESSURE REDUCING PILOT VALVE (ADJUSTABLE DOWNSTREAM BETWEEN 2.1 BAR TO 1 BAR)
- e. WITH PRESSURE GAUGE, OPENING AND CLOSING SPEED CONTROLS AND x101 vision
- f. BODY AND CASTING TO BE STAINLESS STEEL
- g. MUST BE FLANGED AND DRILLED TO SANS 1123 TABLE 1600, INCLUDING CUTTING OF PIPE AND FLANGES
- h. MUST BE COMPLETE WITH H-TYPE STRAINER-CUTTING IRON BODY AND COVER, AND STAINLESS STEEL IN A/C IRON FUSION BONDED EPOXY COATED FERN 2mm MESH-FUSION BONDED EPOXY INTERNAL WALL EXTERNAL 1.0x A MINIMUM OF 250micron - PH 25 RATED FLANGED AND DRILLED TO SANS 1123 TABLE 1600 FACE TO FACE = 800mm
- i. MUST BE REINFORCEMENT CONCRETE

PIPE SIZE (NB)	PIPE CRS	PLINTH SIZE		
		'B'	'C'	'D'
50	165	600	400	200
65	185	650	450	200
80	195	650	450	300
100	220	750	500	300
160	275	900	600	350
200	330	1060	700	400

DRAWING No. JW100-DET10.2-W01

PROJECT No. _____ REV. _____

A3 SHEET 10.2 OF _____

ORIGINAL PAGE SIZE

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