

SIGNATURE

ECSA REG. No.

17 HARRISON STREET

MARSHALLTOWN

DATE

GENERAL NOTES:

DRAWINGS MUST NOT BE SCALED. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE GENERAL NOTES

DRAWINGS AND ALL PROJECT SPECIFICATIONS. ACCORDING TO THE COPYRIGHT ACT (ACT No 98 OF 1978) NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WHATSOEVER INCLUDING MECHANICAL, ELECTRONIC, PHOTOCOPYING, MICROFILMING OR ANY OTHER SYSTEM OF INFORMATION STORAGE WITHOUT WRITTEN PERMISSION OF ZUTARI.

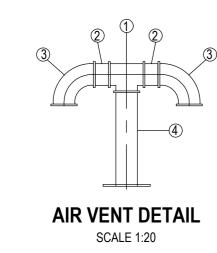
- RE-INFORCEMENT STEEL SHALL BE MINIMUM OF 50mm CLEAR OF PUDDLE PIPE AND FLANGES. ALL FLANGES TO BE DRILLED OFF-CENTRE TO SANS 1123 TABLE 1600/3 OR 2500/3 AS SPECIFIED IN SCHEDULE OF FITTINGS. PUDDLE FLANGES SIMILAR TO SANS 1123 TABLE 1600/3 OR 2500/3, AS SPECIFIED, BUT UNDRILLED AND SHOP FITTED AND COATED. CONNECTING FLANGE HOLES IN OPPOSITE FLANGES MUST BE IN LINE.
- ALL STEELWORK TO BE FINISHED ACCORDING TO PROJECT SPECIFICATIONS.
- 4. ALL VALVES ACCORDING TO PROJECT SPECIFICATIONS.
- 5. ALL SPECIALS ACCORDING TO PROJECT SPECIFICATIONS.
- 6. ALL JOINTING BOLTS AND NUTS TO BE HOT-DIP GALVANISED.
- THE QUANTITIES IN THE PIPE SPECIAL SCHEDULE ARE FOR ONE CHAMBER ONLY.
- B. A COMPLETE SET OF DETAILED SHOP DRAWINGS OF ALL FITTINGS MUST BE SUBMITTED FOR THE ENGINEER'S APPROVAL, PRIOR TO FABRICATION.

PIPE SCHEDULE FOR AIR VALVE

ITEM No.	QTY	DESCRIPTION	PRESSURE	WALL THICKNESS	PROTEC		FLANGE	DIMENSIONS
1)	1	700 x 350Ømm UNEQUAL STEEL TEE, FLANGED BOTH ENDS	RATING 16 BAR	8.0mm	SINGLE COAT SOLVENT FREE LIQUID EPOXY	COATING RIGID POLYURETHANE	DRILLING SANS 1123 T1600/3	(mm)
		600 x 350Ømm UNEQUAL STEEL TEE, FLANGED BOTH ENDS						1520
2	4	150 x 60 x 25 mm SUPPORTING BRACKET	-	-	AS SPECIFIED	AS SPECIFIED	-	
3	1	100mmØ STEEL PIPE WITH 520mmØ STEEL FLANGE FITTED ON ONE END AND 220mmØ STEEL FLANGE FITTED ON ONE END WITH LIFTING HOOKS	-	SANS 62 HEAVY DUTY	SINGLE COAT SOLVENT FREE LIQUID EPOXY	RIGID POLYURETHANE	SANS 1123 T1600/3	250
		200mmØ STEEL PIPE WITH 520mmØ STEEL FLANGE FITTED ON ONE END AND 340mmØ STEEL FLANGE FITTED ON ONE END WITH LIFTING HOOKS						320
4	1	100 mm Ø NON-RISING SPINDLE RESILIENT SEAL GATE VALVE	16 BAR	-	AS SPECIFIED		SANS 1123 T1600/3	254
		200 mm Ø VOSA NON-RISING SPINDLE WEDGE GATE VALVE OR SIMILAR APPROVED						317
5	1	100 mm Ø VENT-O-MAT SERIES RBX DOUBLE ORIFICE AIR VALVE, WITH ANTI SHOCK ORIFICE MECHANISM	16 BAR	-	AS SPECIFIED	AS SPECIFIED	SANS 1123 T1600/3	369
		200 mm Ø VENT-O-MAT SERIES RBX DOUBLE ORIFICE AIR VALVE, WITH ANTI SHOCK ORIFICE MECHANISM						672

STEEL FLANGES TO: SANS 1123

PIPE SIZE	ITEM DESCRIPTION	PRESSURE RATING	FLANGE DIAMETER	THICKNESS	PCD	No. OF BOLTS.
100mmØ	FLANGE	16 BAR	220mm	14mm	180mm	8 x M16
200mmØ	FLANGE	16 BAR	340mm	22mm	295mm	12 x M20
350mmØ	FLANGE	16 BAR	520mm	30mm	470mm	16 x M24
600mmØ	FLANGE	16 BAR	840mm	50mm	770mm	20 x M30
700mmØ	FLANGE	16 BAR	910mm	55mm	840mm	24 x M30



AIR VENT INSTALLATION ON SINGLE PIPE AND DOUBLE PIPE AIR VALVE CHAMBER							
ITEM No.	DIA	No. OFF	DESCRIPTION				
1 2 3	100 100 100	1 2 2	STEEL EQUAL TEE PIECE, FEMALE THREADED BOTH ENDS, 96mm CENTER TO END STRAIGHT STEEL PIPE, MALE THREADED BOTH ENDS, 89mm LONG 90° STEEL ELBOW, FEMALE THREADED BOTH ENDS, 165mm CENTER TO END				
4	100	1	STRAIGHT STEEL PIPE, MALE THREADED ONE END AND 250x250x10mm BASE PLATE WELDED WITH 100mmØ HOLE CUT IN ONE END,				

	APPROVAL BY JW DEPOT SCA			AMENDMENTS			DRAWING No.		
Jobourg	CHECKED			REV:	DESCRIPTION	DATE:			
J - J - J - J	APPROVED BY:			T0	ISSUED FOR TENDER	10/2021	111242 - 0000-DRG-WW-0500 - T0		
		SIGNATURE	DATE						
HALFWAY HOUSE WATER UPGRADE							PROJECT No. DRAWING No. REV.		
TYPICAL DETAILS OF AID VALVE OLIAMBED	APPROVAL BY JW PLANNING						A0 SHEET 1 OF 1		
TYPICAL DETAILS OF AIR VALVE CHAMBER	CHECKED								
	APPROVED BY:						ORIGINAL PAGE SIZE		

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