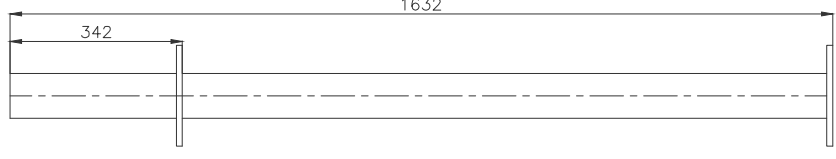
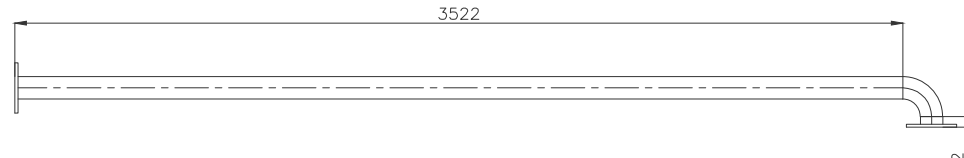
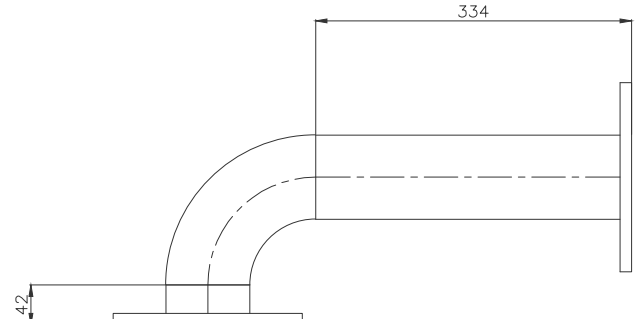
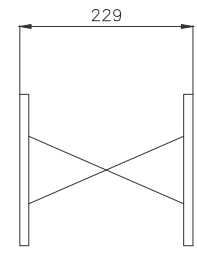
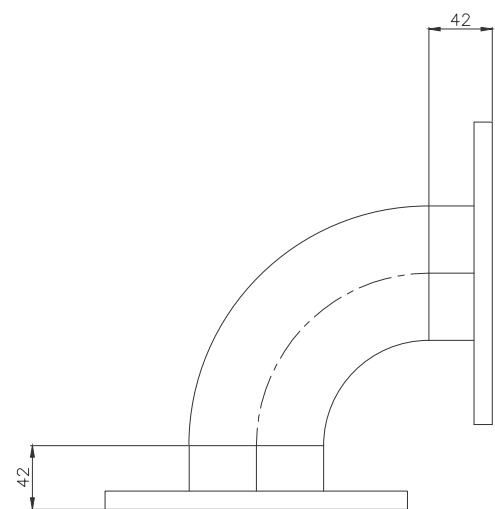
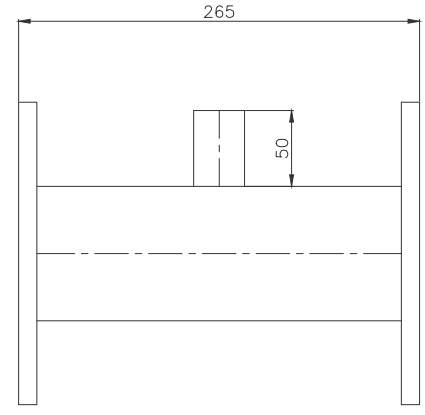
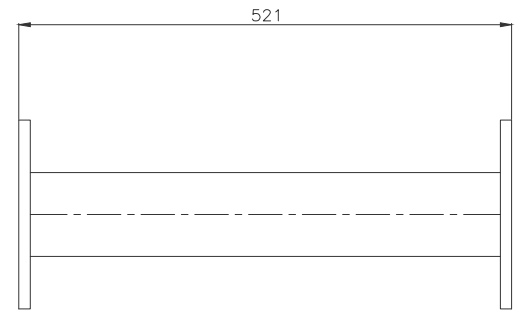
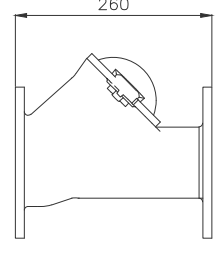
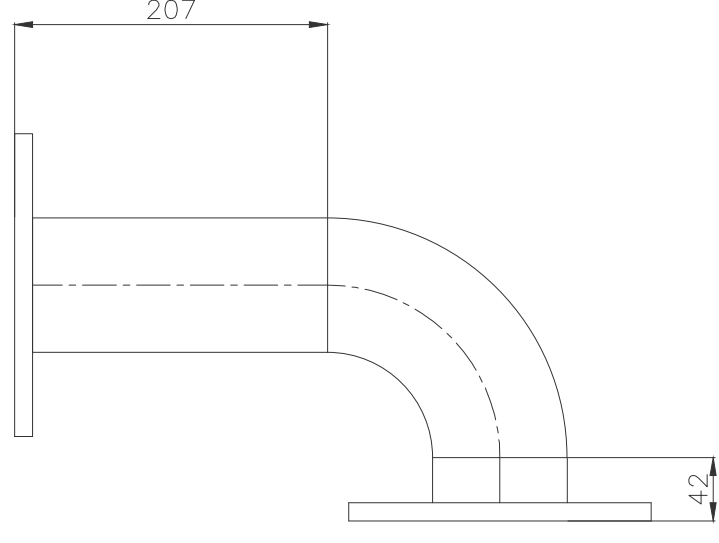
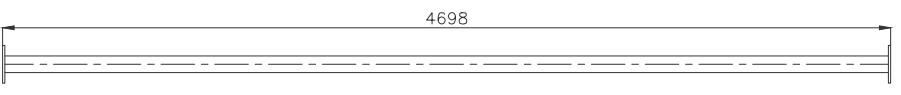
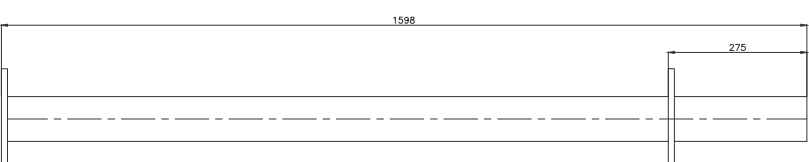
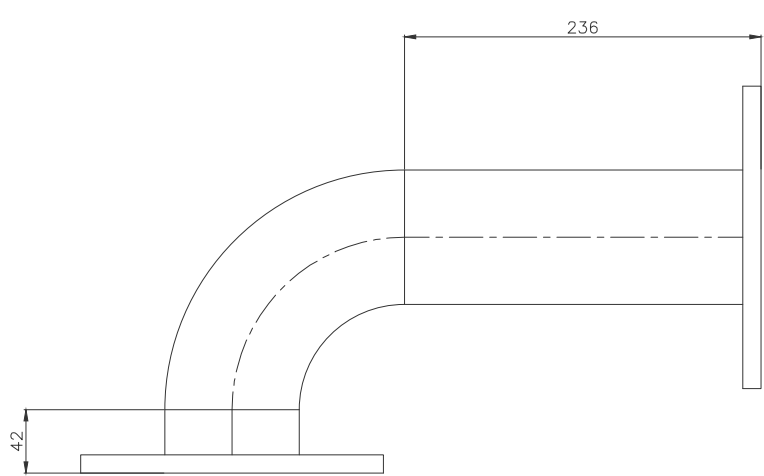
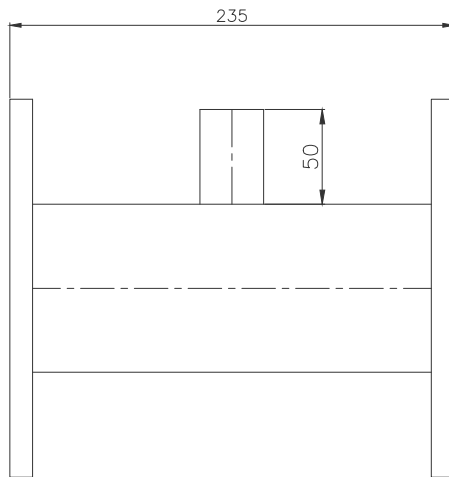
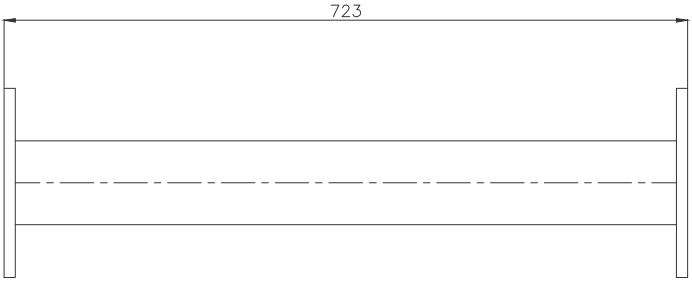
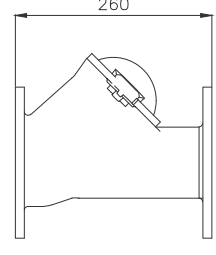
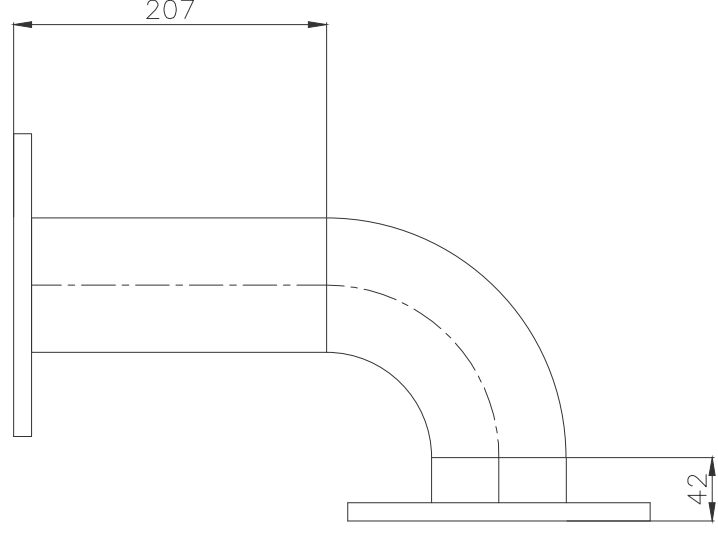
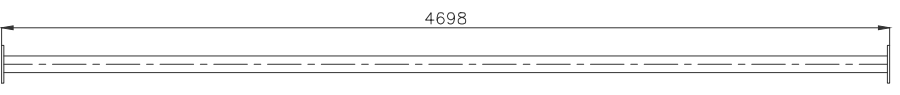
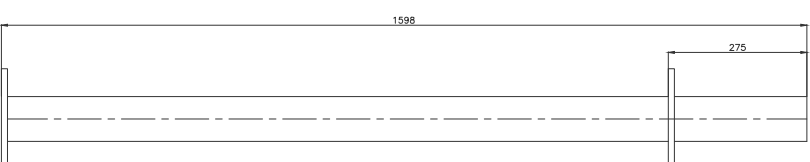
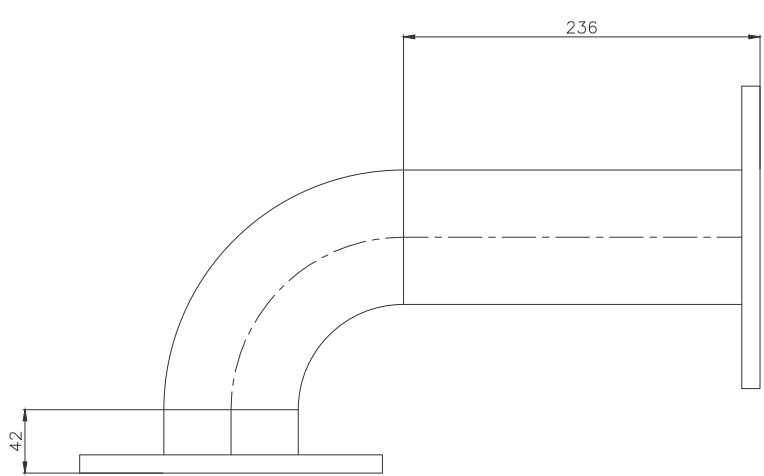
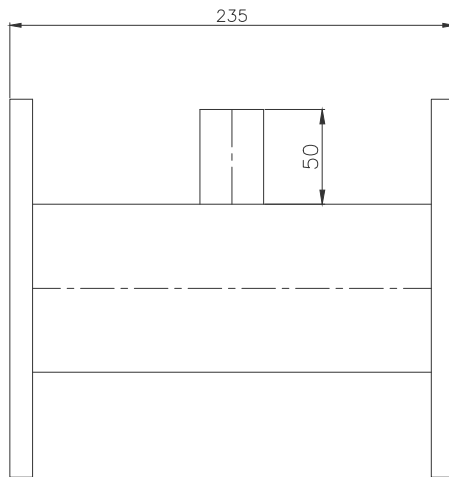
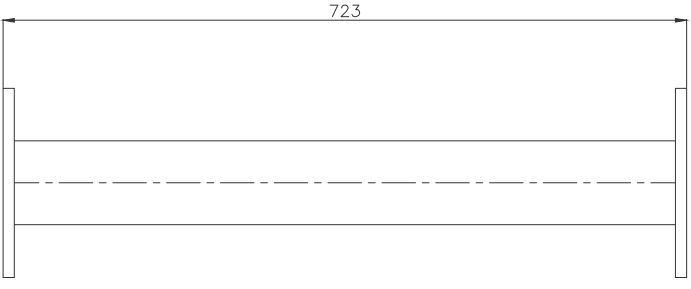


GRIT PUMP SUCTION AND DISCHARGE PIPE SCHEDULE				
ITEM NR	DESCRIPTION	STD	SCHEMATIC	QTY
E1	DN80, 304 STAINLESS STEEL SCHEDULE 10S PIPE	ASTM A240 304 ASME B36.19		1
	ONE END PLAIN	SANS 1123		
	OTHER END PLATE FLANGED, NP 1000 kPa, 80 -1000/3, 304 STAINLESS STEEL	SANS 1123		
	304 STAINLESS STEEL PUDDLE FLANGE FOR DN80 PIPE AS INDICATED	SANS 1123		
E2	ASME WELDED CONSTRUCTION			2
	PICKLED AND PASSIVATED FINISH	ASTM A380-04		
	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.			
E3	DN80, 304 STAINLESS STEEL SCHEDULE 10S PIPE WITH 90° LONG RADIUS ELBOW	ASTM A240 304 ASME B36.19		1
	EXTRA DN80 304 STAINLESS STEEL, SCHEDULE 10 PIPE WITH DIMENSION AS INDICATED			
	BOTH ENDS PLATE FLANGED, NP 1000 kPa, 80 -1000/3, 304 STAINLESS STEEL	SANS 1123		
	ASME WELDED CONSTRUCTION			
E4	PICKLED AND PASSIVATED FINISH	ASTM A380-04		4
	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS. INCLUDE BOLT SLEEVE AND WASHER KIT TO PREVENT GALVANIC REACTION.			
E5	DN80, 304 STAINLESS STEEL SCHEDULE 10S PIPE WITH 90° LONG RADIUS ELBOW	ASTM A240 304 ASME B36.19 ASME B16.9		5
	EXTRA DN80 304 STAINLESS STEEL, SCHEDULE 10 PIPE WITH DIMENSION AS INDICATED			
	BOTH ENDS PLATE FLANGED, NP 1000 kPa, 80 -1000/3, 304 STAINLESS STEEL	SANS 1123		
	ASME WELDED CONSTRUCTION			
E6	PICKLED AND PASSIVATED FINISH	ASTM A380-04		1
	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.			
E7	DN80, 304 STAINLESS STEEL SCHEDULE 10S PIPE	ASTM A240 304 ASME B36.19 SANS 1123		1
	BOTH ENDS PLATE FLANGED, NP 1000 kPa, 80 -1000/3, 304 STAINLESS STEEL	SANS 1123		
	ASME WELDED CONSTRUCTION			
	PICKLED AND PASSIVATED FINISH	ASTM A380-04		
E8	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.			2
E9	DN80, 304 STAINLESS STEEL SCHEDULE 10S PIPE WITH 45° ELBOW	ASTM A240 304 ASME B36.19 SANS 1123		1
	EXTRA DN80 304 STAINLESS STEEL, SCHEDULE 10 PIPE WITH DIMENSION AS INDICATED			
	BOTH ENDS PLATE FLANGED, NP 1000 kPa, 80 -1000/3, 304 STAINLESS STEEL	SANS 1123		
	ASME WELDED CONSTRUCTION			
E10	PICKLED AND PASSIVATED FINISH	ASTM A380-04		1
	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.			
E11	DN80, 304 STAINLESS STEEL SCHEDULE 10S PIPE	ASTM A240 304 ASME B36.19		1
	ONE END PLAIN	SANS 1123		
	OTHER END PLATE FLANGED, NP 1000 kPa, 80 -1000/3, 304 STAINLESS STEEL	SANS 1123		
	304 STAINLESS STEEL PUDDLE FLANGE FOR DN80 PIPE AS INDICATED	SANS 1123		
E12	ASME WELDED CONSTRUCTION			1
	PICKLED AND PASSIVATED FINISH	ASTM A380-04		
	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.			
E13	DN80, 304 STAINLESS STEEL SCHEDULE 10S PIPE	ASTM A240 304 ASME B36.19 SANS 1123		1
	DN25 THREADED BSP STAINLESS STEEL PIPE	SANS 1123		
	BOTH ENDS PLATE FLANGED, NP 1000 kPa, 80 -1000/3, 304 STAINLESS STEEL	SANS 1123		
	ASME WELDED CONSTRUCTION			
E14	PICKLED AND PASSIVATED FINISH	ASTM A380-04		1
	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.			

GRIT PUMP SUCTION AND DISCHARGE PIPE SCHEDULE				
ITEM NR	DESCRIPTION	STD	SCHEMATIC	QTY
E8	DN80, PN16, DUCTILE IRON BALL CHECK VALVE, FLANGE DRILLED TO SANS 1123/ EN 1092	EN 12050-4 SANS 1123/ EN 1092 SANS 664		2
	EPOXY COATED			
	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.INCLUDE BOLT SLEEVE AND WASHER KIT TO PREVENT GALVANIC REACTION.			
E9	DN80, 304 STAINLESS STEEL SCHEDULE 10S PIPE WITH 45° ELBOW	ASTM A240 304 ASME B36.19 SANS 1123		1
	EXTRA DN80 304 STAINLESS STEEL, SCHEDULE 10 PIPE WITH DIMENSION AS INDICATED			
	BOTH ENDS PLATE FLANGED, NP 1000 kPa, 80 -1000/3, 304 STAINLESS STEEL	SANS 1123		
	ASME WELDED CONSTRUCTION			
E10	PICKLED AND PASSIVATED FINISH	ASTM A380-04		1
	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.			
E11	DN80, 304 STAINLESS STEEL SCHEDULE 10S PIPE	ASTM A240 304 ASME B36.19		1
	ONE END PLAIN	SANS 1123		
	OTHER END PLATE FLANGED, NP 1000 kPa, 80 -1000/3, 304 STAINLESS STEEL	SANS 1123		
	304 STAINLESS STEEL PUDDLE FLANGE FOR DN80 PIPE AS INDICATED	SANS 1123		
E12	ASME WELDED CONSTRUCTION			1
	PICKLED AND PASSIVATED FINISH	ASTM A380-04		
	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.			
E13	DN80, 304 STAINLESS STEEL SCHEDULE 10S PIPE	ASTM A240 304 ASME B36.19 SANS 1123		1
	DN25 THREADED BSP STAINLESS STEEL PIPE	SANS 1123		
	BOTH ENDS PLATE FLANGED, NP 1000 kPa, 80 -1000/3, 304 STAINLESS STEEL	SANS 1123		
	ASME WELDED CONSTRUCTION			
E14	PICKLED AND PASSIVATED FINISH	ASTM A380-04		1
	FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.			

NOTES:



ISSUED FOR TENDER

0	50	
100 MILLIMETRES ON ORIGINAL DRAWING		
A	BEFORE CONTRACT COMMENCES	
A	AFTER CONSTRUCTION CONTRACT HAS COMMENCED	
Nr.	DATE	AMENDMENTS
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PROJECT
TSHIAME WWTW REFURBISHMENT

DRAWING DESCRIPTION
GRIT PUMP SUCTION AND DISCHARGE PIPEWORK

DRAWING NO.	REVISION
10909001-6014-02	T1

DESIGNED:	AK	CHECKED:	AK
DRAWN:	AK	SCALE:	AS SHOWN
APPROVED:	AK	INCEPTION DATE:	NOV24
FILE PATH:	SHAREPOINT / BLOEMFONTEIN - 10909001 TSHIAME WWTW / 04 DOC.PROC / 04.DRAW		



ISSUED FOR TENDER