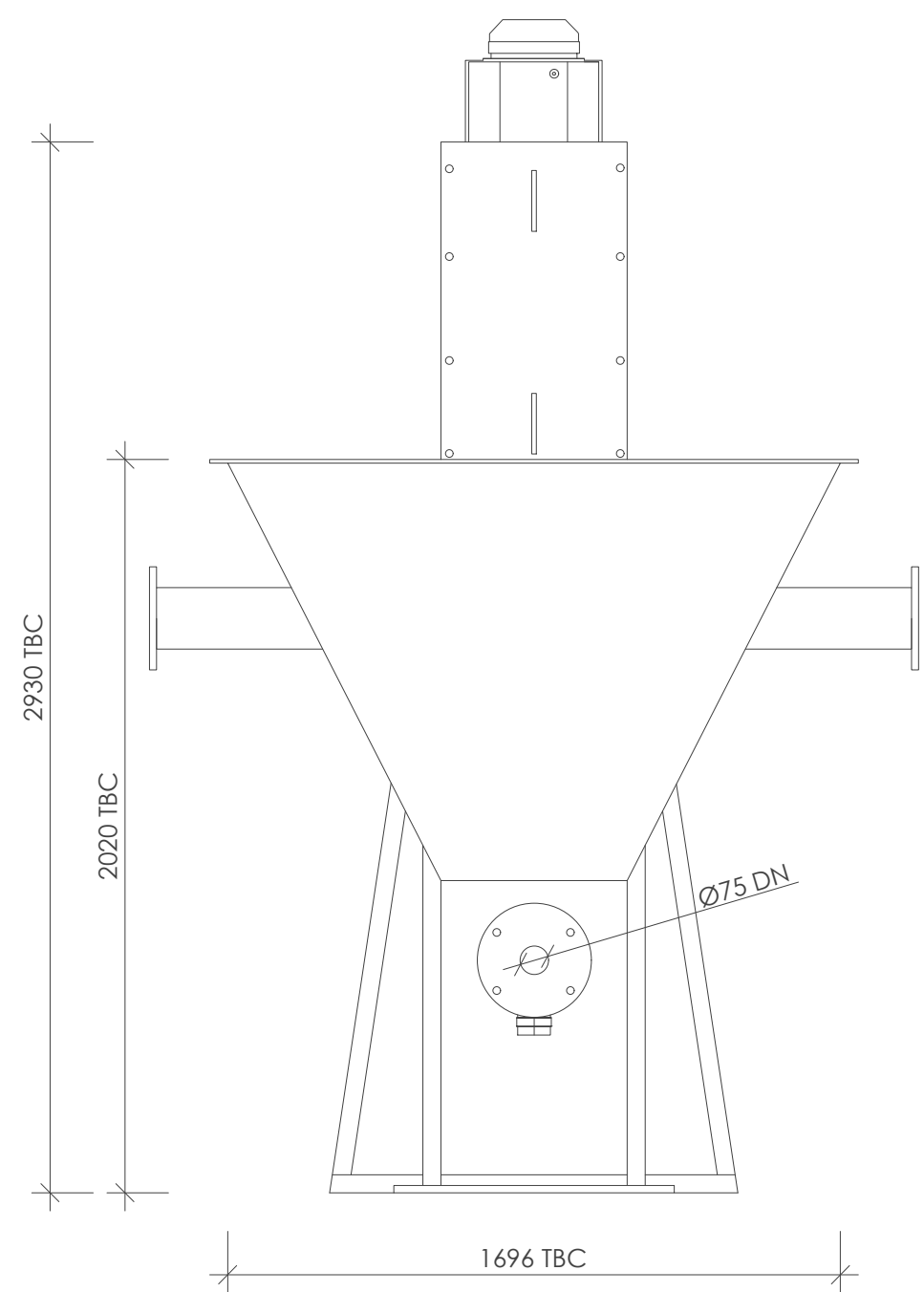


GRIT CLASSIFIER
SCALE 1: 20



GRIT CLASSIFIER
SCALE 1: 20

GRIT CLASSIFIER	
SPECIFICATION	DESCRIPTION & DIMENSIONS (mm)
SPIRAL DIAMETER	280
SPIRAL MATERIAL	MS (GALVANIZED)
TROUGH LENGTH	5000
GRIT DISCHARGE HEIGHT	± 1970
WATER DISCHARGE HEIGHT	± 1360
TROUGH ANGLE	25°
APPROX. GRIT DISCHARGE CAPACITY	1700mm³/hr
APPROX. CLASSIFIER CAPACITY	1060m³/hr
DISCHARGE PIPE OD	200NB
INLET PIPE OD	100NB
BODY MATERIAL	304 SS
STANDARD EXCLUSIONS	ALL PIPEWORK

INFORMATION REQUIRED FROM MANUFACTURER PRIOR TO ENGINEER'S APPROVAL	
SPECIFICATION	DESCRIPTIONS & DIMENSIONS (mm)
TYPE	
WEIGHT OF UNIT	
MOTOR/ GEARBOX TYPE	

FUNCTIONAL DETAIL	
THE GRIT CLASSIFIER EFFECTIVELY SEPARATES GRIT FROM WASTEWATER, ENHANCING THE QUALITY OF COLLECTED GRIT BY REMOVING EXCESS WATER AND LIGHTWEIGHT MATERIALS FOR EASIER HANDLING. IT FEATURES A 280MM SHAFTED SCREW WITHIN A 25-DEGREE INCLINED STAINLESS STEEL TROUGH, EQUIPPED WITH A MOTOR AND GEARBOX. THE SYSTEM RECEIVES HIGH GRIT CONTENT FROM THE GRIT PUMP AND ACTIVATES AT PRESET INTERVALS TO DISCHARGE DRY GRIT, UP TO 1.5 M³ PER HOUR INTO A SKIP BIN VIA AN OUTLET CHUTE.	

- NOTES:
- SCREW SHAFT ASSEMBLY AND RETAINER ASSEMBLY TO BE PRIMED AND EPOXY COATED



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

DRAWING DESCRIPTION
GRIT CLASSIFIER INSTALLATION DETAILS

DRAWING NO.	REVISION
10909001-6004	T1

DESIGNED:	AK	CHECKED:	ECSA PR No: 20130658	Signature
DRAWN:	EMT	SCALE:	AS SHOWN	A1
APPROVED:	ECSA PR No: 20130658	INCEPTION DATE:	SEPT24	
FILE PATH:	SHAREPOINT / BLOEMFONTEIN - 10909001 TSHIAME WWTW / 04 DOC PROC / 04 DRAW			



ISSUED FOR TENDER