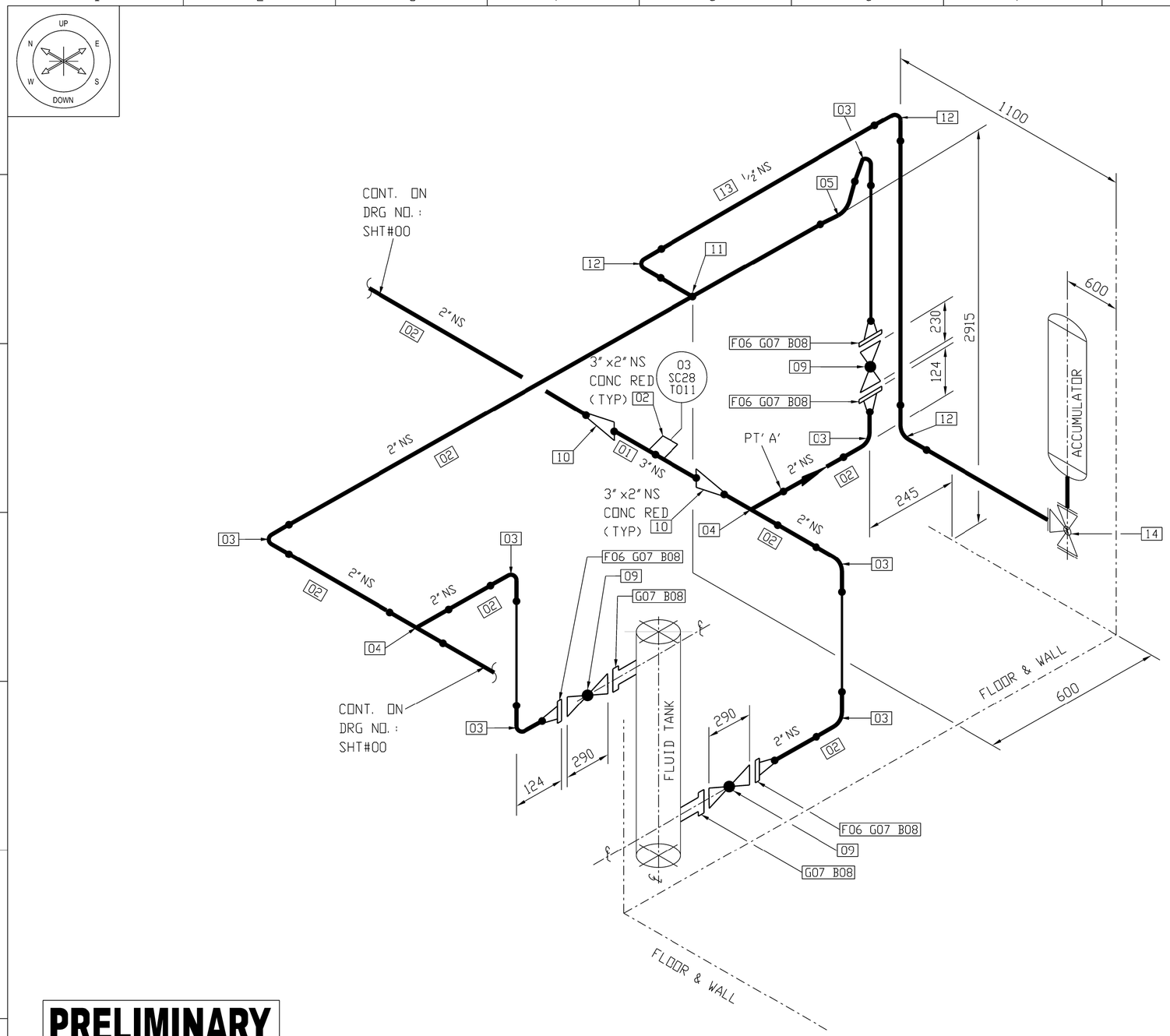

PRELIMINARY

* HYDROSTATIC TEST PRESSURE INDICATED APPLIES FOR COMPLETE REPLACEMENT. OWNER TO SPECIFY TEST PRESSURE FOR PARTIAL REPLACEMENT		DESIGN CODE: EN13480-3		
		CONDITIONS	PRESS.(kPa)	TEMP.(°C)
LINE CLASS:	N/A	DESIGN	4300 kPa (g)	70°C
LINE COMMODITY:	OIL	OPERATING	2700 kPa (g)	50°C
INSULATION:	NONE	HYDROSTATIC TEST PRESSURE *		____ kPa

LEGEND

AG	-ABOVE GRADE	RF	-RAISED FACE	WT	-WALL THICKNESS
BE	-BEVELLED END	SCH	-SCHEDULE	FW	-FIELD WELD
EL	-ELEVATION	SO	-SLIP ON	FLG	-FLANGE
℄	-CENTRELINE	LR	-LONG RADIUS	WN	-WELDING NECK
DRG	-DRAWING	STL	-STEEL	FS	-FINISHED SUFACE
TOE	-THREADED ONE END	TBE	-THREADED BOTH END		

PIPING DESIGNER DECLARATION

I, THE UNDERSIGNED, BEING EXPERIENCED AND COMPETENT IN THE APPLICABLE FIELD OF PIPING DESIGN AS REQUIRED BY SANS 347 ANNEX B, DECLARE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS REVISION OF THE DESIGN IS COMPLETE, ACCURATE AND COMPLIES WITH THE REQUIREMENTS OF THE APPLICABLE HEALTH AND SAFETY STANDARD.

DESIGN CODE: EN 34580		PR. ENG/PR. TECH	
CONFORMANCE	SANS 347: 2012	REGISTRATION NO.	
HAZARD CATEGORY	II	REGISTRATION BODY	
CONFORMITY ASSESSMENT MODULE		DATE	

MATERIAL LIST

ITEM No.	QTY	SIZE	DESCRIPTION	REV.
01	1m	3"	PIPE 88,9 x 4,0 SMLS DIN 2448 AND DIN 17 175 ST 35.8 III	0
02	3m	2"	PIPE 60,3 x 2,3 SMLS DIN 2448 AND DIN 17 175 ST 35.8 III	
03	4	2"	ELL 90 DEG 1,5D 2,3mmWT DIN 2605 ST 35.8 III	
04	1	2"	TEE STRAIGHT 2,3mmWT DIN 2615 ST 36.8 III	
05	1	2"	ELL 45 DEG 1,5D 4mmWT DIN 2605 ST 35.8 III	
06	4	2"	FLG WN PN 40 RF BW 2,3mWT DIN 2635 C22.3	0
07	6	2"	GASKET PN 40 304 SS SP WND GRAFOIL 4,5MM	0
08	24	M16 x90mm	STUD BOLT FORM L/N DIN 2510 24Cr Mo5 W/ DIN 2510 C35 NUTS	0
09	2	2"	GLOBE PN 40 RF OS&Y FLEX WEDGE TYPE DIN 3202 C22.8 13Cr-Mo STL STEL TRIM B8	0
10	2	3" x 2"	REDUCER CONC 4mmWT DIN 2616 ST 35.8 III	0
11	1	1/2	WELDED STUB	0
12	3	1/2	ELL 90 DEG 1,5D 2,3mmWT DIN 2605 ST 35.8 III	0
13	6m	1/2	PIPE 21.3 x 2,77 SMLS DIN 2448 AND DIN 17 175 ST 35.8 III	0
14	1	3 WAY	SAFETY BLOCK	

PIPE SUPPORT MATERIAL

GENERAL NOTES:

1. WELDRODS FOR ROOTS & FILLER RUNS AND FOR CAPPING. .....SEE???
2. F.W. – DENOTES FIELD FIT WELD PLUS 150mm FOR SITE ADJUSTMENT.
3. UNDERGROUND PIPING TO BE COATED & WRAPPED AS PER INSPECTION DOC. No.????
4. RADIOGRAPHY .....SEE ?????
5. WELDHARDNESS .....200.....BHN
6. PAINTING TO PAINT PROCEDURE No. .....SEE ???
7. WELDING PROCEDURE SPEC. .....???????
8. PIPING INSTALLATION PROCEDURE SPEC. .....????
9. ALL DIMENSIONS ARE IN MILLIMETERS(mm), UNLESS OTHERWISE STATED.

D.O.	REV	DATE	REVISION	REV BY	CHKD BY	APP BY	AUTH BY	KKS APP	REFERENCE DRAWINGS
--	--	.....	-----	-----	-----	-----	-----	-----	----- -----
--	1	23/10/2019	THIS DRAWING SUPERSEDES 063/14685SHT*001 REV F AND AS-IS AS PER ESKOM REQUEST	ML	-----	-----	-----	-----	----- -----
00	0	.....	RESERVED FOR AFC	ML	-----	-----	-----	0.63/70093	SC/TURBINE CONTROL FLUID P&ID

AUTHORISED FOR ESKOM BY: .....

CODIFICATION BY: .....

APPROVED BY: .....

CHECKED BY: .....

CREATED BY: M.LEBENYA 2019-10-23

SCALE N.T.S

CLASSIFICATION D00228 - ISOMETRIC

PBS PATH SC28

Eskom
ESKOM HOLDINGS SOC Ltd
REG No 2002/015527/30

LETHABO POWER STATION

UNIT 3

CONTROL FLUID DELIVERY PIPING - OIL ROOM

PIPELINE TO FILTER A&B

ESKOM DRAWING NO 0.63/14688 | SHT 004 | REV 1

DRAWING CLASSIFICATION: CONTROLLED DISCLOSURE SIZE A2L