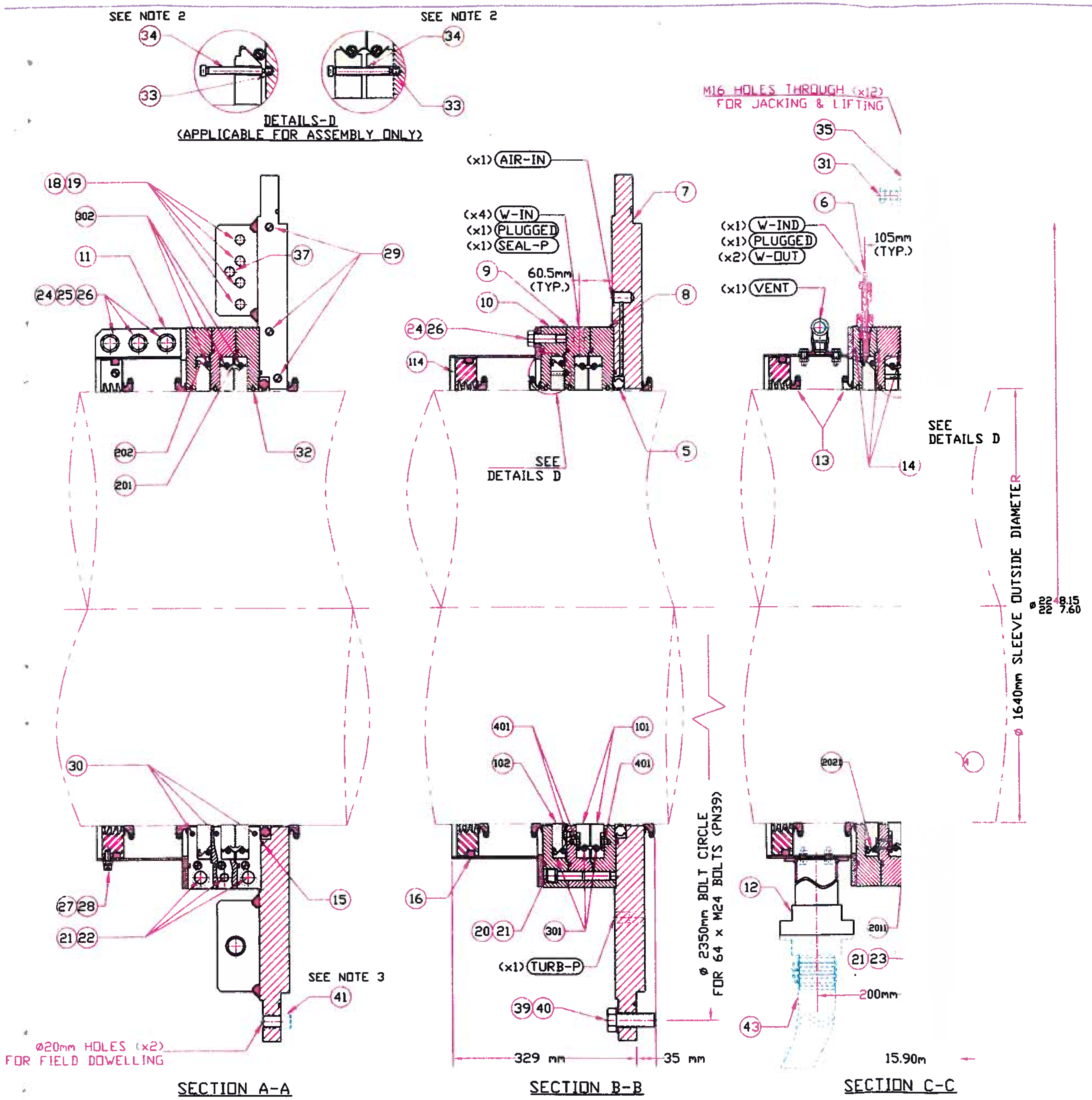


LEGEND :

- (W-IN) (4) - G1/2" FILTERED "BARRIER" WATER INLET CONNECTION
- (W-OUT) (2) - G1/2" WATER OUTLET CONNECTION
- (SEAL-P) (1) - G1/2" SEAL PRESSURE CONNECTION
- (AIR-IN) (1) - G1/2" MAINTENANCE SEAL AIR CONNECTION
- (TURB-P) (1) - G1/2" TURBINE PRESSURE CONNECTION
- (W-IND) (1) - 1/2" NPT SEAL WEAR INDICATOR CONNECTION (NO OUTSIDE CONNECTION REQUIRED)
- (DRAIN) (1) - DN70 GOST CONNECTION
- (PLUGGED) (2) - G1/2" PLUGGED CONNECTION
- (VENT) (1) - 1/2" NPT CONNECTION (NO OUTSIDE CONNECTION REQUIRED)

MAXIMUM SHAFT MOVEMENTS

AXIAL ±8mm

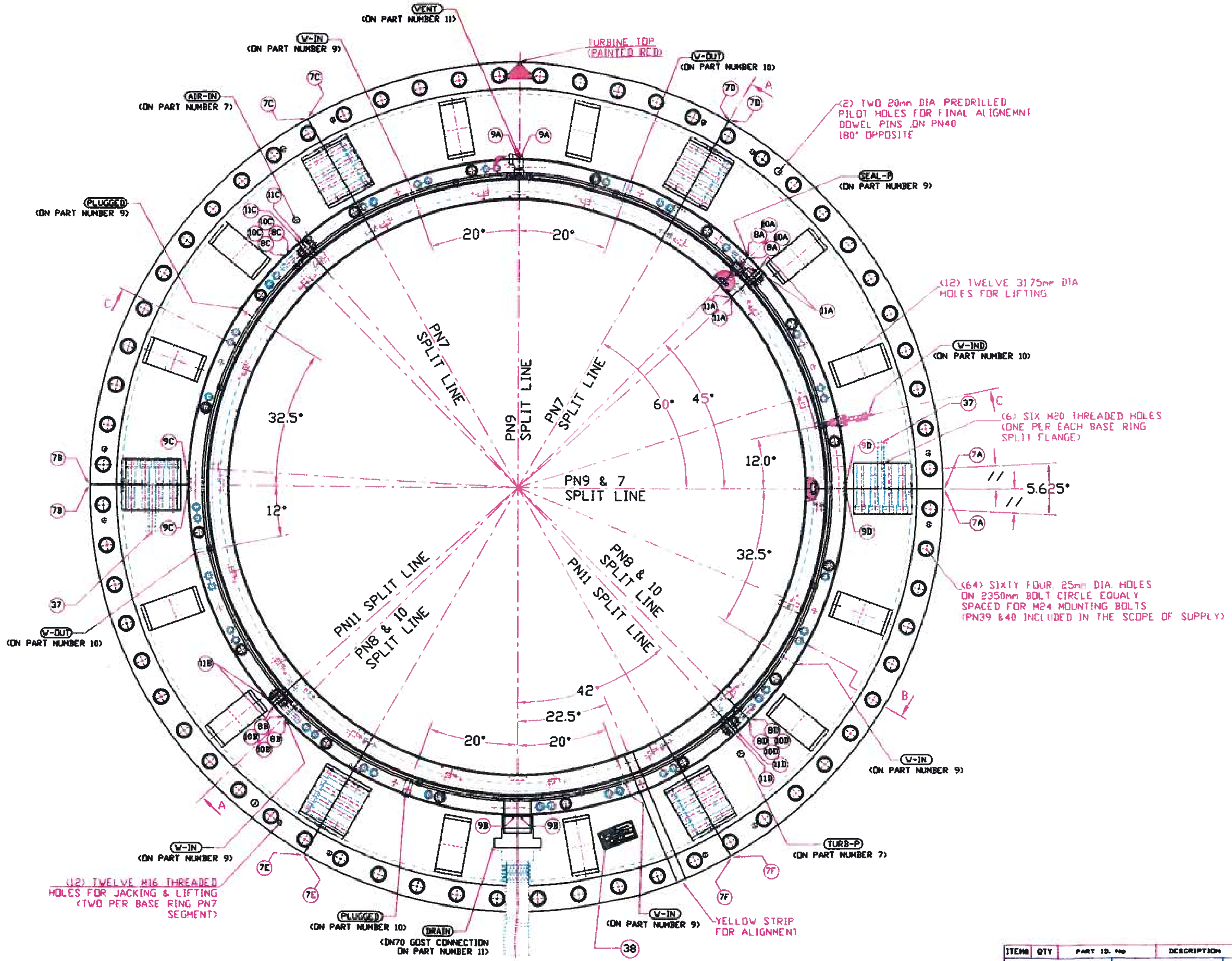
RADIAL ±0.3 mm

ITEM	QTY	PART ID. No	DESCRIPTION	MATERIAL
43	1	DN70 x 1.5m LG.	T > WITH CL S & GOST	PVC
41	8	M8 x 30mm	DOWEL PIN DIN 6325	STEEL
40	64	24mm I.D.	FLAT WASHER	ZN PLATED
39	64	M24 X 70mm LG.	HEX. HD. SCREW	ZN PLATED, 88 GRADE
38	1		IDENTIFICATON PLATE	ALUMINIUM
37	8	M20 X 120mm LG.	HEX. HD. JACKING SCREW	STEEL
36	12	10-24UNC x 1/2" L	SOC. HD. FLAT SCREW	AISI 304
35	4	M16	EYE BOLT	STEEL
34	28	10-24UNC x 2" SH.	SHOULDER SCREW	AISI 304
33	36	10-24UNC	SPLINE NUT (GLUED)	BRASS
32	60	3/16" x 3/8" LG.	PEGS	NYLON
31	12	M16 X 80mm LG.	HEX. HD. JACKING SCREW	STEEL
30	12	5/16" DIA. X 1" LG.	DOWEL PIN	AISI 316
29	58	1/2" DIA. X 1" LG.	DOWEL PIN	AISI 316
28	8	8mm I.D.	REGULAR LOCKWASHER	AISI 304
27	8	M8 X 25mm LG.	SOC. HD .CAP SCREW	AISI 304
26	40	16mm I.D.	NARROW FLAT WASHER	AISI 304
25	12	M16	HEX NUT	AISI 304
24	28	M16 X 40mm LG.	HEX. HD. SCREW	AISI 304
23	24	M16 X 50mm LG.	SOC. HD .CAP SCREW	AISI 304
22	12	M16 X 80mm LG.	SOC. HD .CAP SCREW	AISI 304
21	60	16mm I.D.	HI COLLAR LOCKWASHER	AISI 304
20	24	M16 X 100mm LG.	SOC. HD .CAP SCREW	AISI 304
19	24	20mm I.D.	HI COLLAR LOCKWASHER	AISI 304
18	24	M20 X 90mm LG.	SOC. HD .CAP SCREW	AISI 304
17	1	EXT LG. CUT	O' RING CORD	TE 100
16	1	EXT A L CUT	O' RING CORD	TE 100
15	1	EXT A OR L	O' RING CORD	TE 100
14	2	EXT L UT	O' RING CORD	TE 100
13	2	TA-214-B	V-RING ASS'Y	-
12	1	DN70 x G8-1/2	GOST FEMALE ADAPTER	ALUMINIUM
114	1	TR01-1640-D114	LEAK COLLECTOR UPPER RING	UHMD (WHITE
11	1	TR01-1640-D11	LEAK COLLECTOR ASS'Y (4 QUATERS)	AISI 304
10	1	TR01-1640-D10	UPPER CHAMBER RING (4 HALVES)	AISI 304
9	1	TR01-1640-D9	INTERMEDIATE CHAMBER RING (4 HALVES)	AISI 304
8	1	TR01-1640-D8	LOWER CHAMBER RING (4 HALVES)	AISI 304
7	1	TR01-1640-D7	BASE RING (6 HALVES)	ASTM A36
6	1	TA-202-0.25-C	WEAR INDICATOR ASS'Y	AISI 304
5	1	TR01-1640-A5	ELASTOMERIC PISTON	TE 100
402	6	TR01-1640-A4S	SPECIAL PIN	AISI 304
401	48	TR01-1640-A4	STOP PIN	PHENOLIC
302	3	TR01-1640-A3H	HIGH GARTER SPRING	AISI 304
301	3	TR01-1640-A3L	LOW GARTER SPRING	AISI 304
2021	2	TR01-1640-B2BS	SPECIAL Z-PRESSURE RING (2 SEGMENTS)	AISI 304
2011	2	TR01-1640-B2AS	SPECIAL W-PRESSURE RING (2 SEGMENTS)	AISI 304
202	1	TR01-1640-B2B	Z-PRESSURE RING (16 SEGMENTS)	AISI 304
201	1	TR01-1640-B2A	W-PRESSURE RING (16 SEGMENTS)	AISI 304
102	1	TR02-1640-C1B	SINGLE WAVE SEALING RING (18 SEGMENTS)	TG 615
101	2	TR01-1640-C1A	DOUBLE WAVE SEALING RING (18 SEGMENTS)	TG 615

DIMENSIONS IN [MM]
UNLESS OTHERWISE SPECIFIED
TOLERANCES AREAS PER EP04
3 PLACE DECIMALS ±
2 PLACE DECIMALS ±
ANGLES ±
SURFACE FINISH ✓
BREAK SHARP CORNERS

TURBINE RADIAL SEAL
TYPE TR301

CODE IDENT.
DRAWING NO. TR01-1640-D
SCALE : N. .
WT.
SHEET 1 of 8

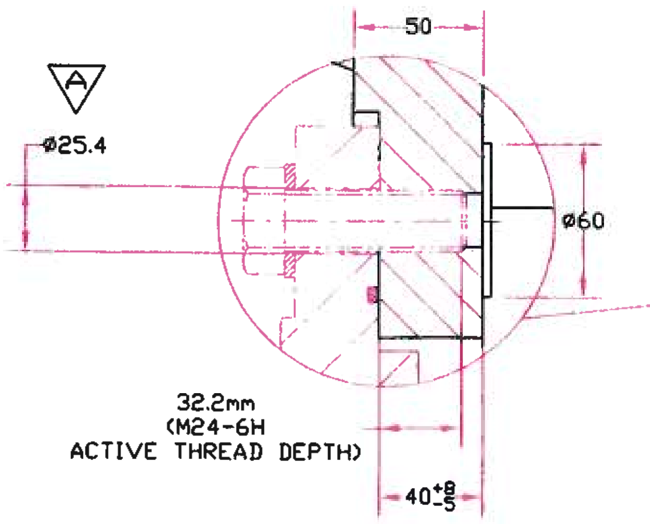


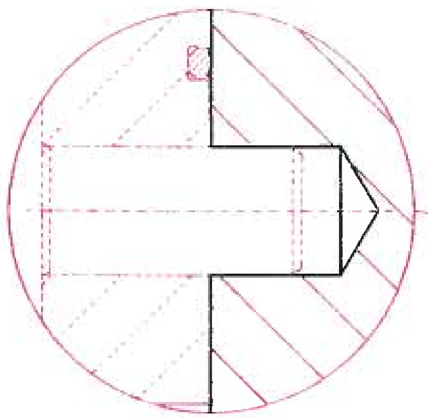
PLAN VIEW

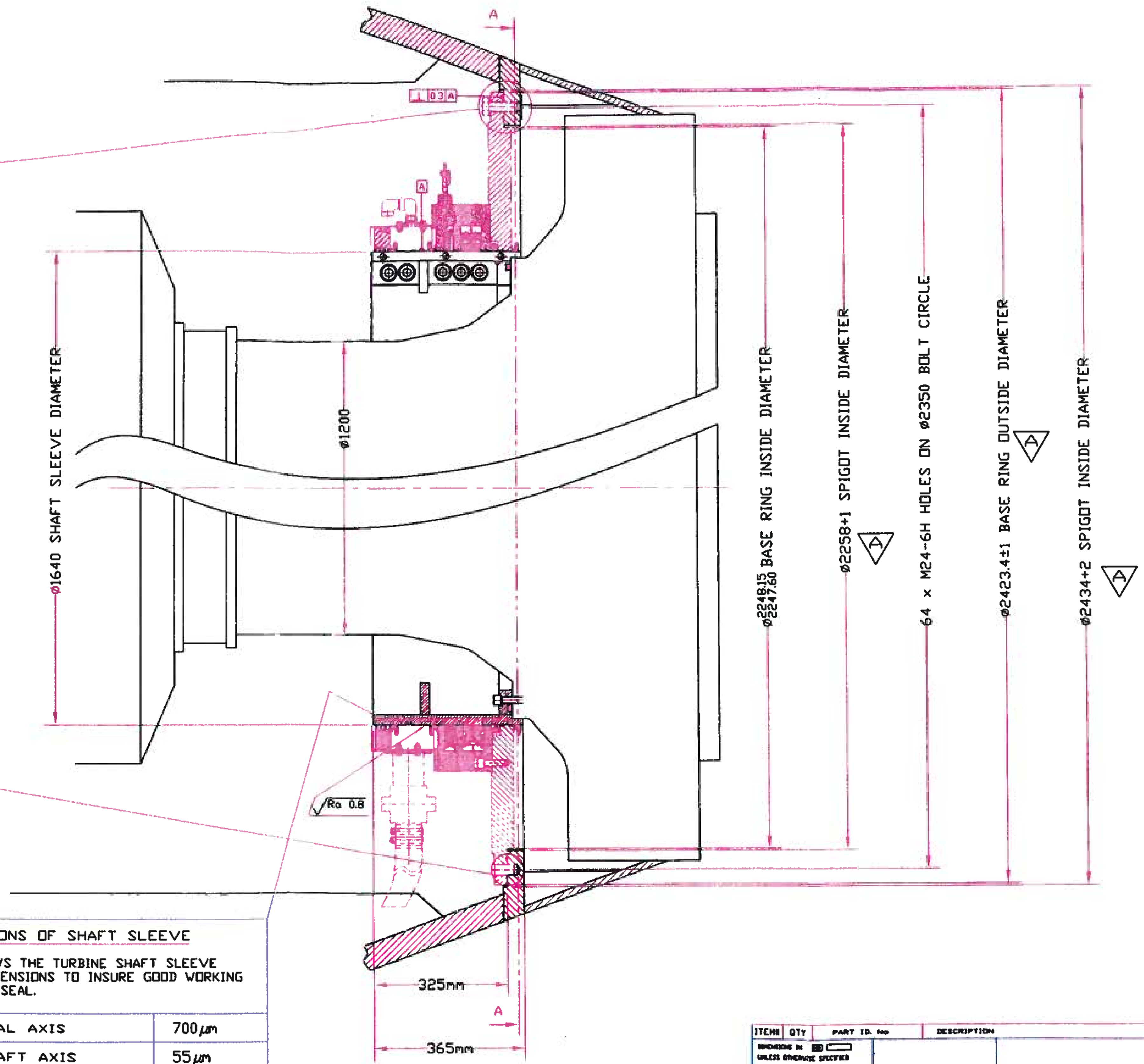
ITEM	QTY	PART ID. No	DESCRIPTION	MATERIAL

TURBINE RADIAL SEAL
TYPE TR301

SIZE: D
DRAWING NO. TR01-1640-D
REV. B
SCALE: N.T.S
SHEET 2 of 2







MAXIMUM DEVIATIONS OF SHAFT SLEEVE

THE FOLLOWING TABLE SHOWS THE TURBINE SHAFT SLEEVE MAXIMUM DEVIATIONS OF DIMENSIONS TO INSURE GOOD WORKING CONDITIONS OF MECHANICAL SEAL.

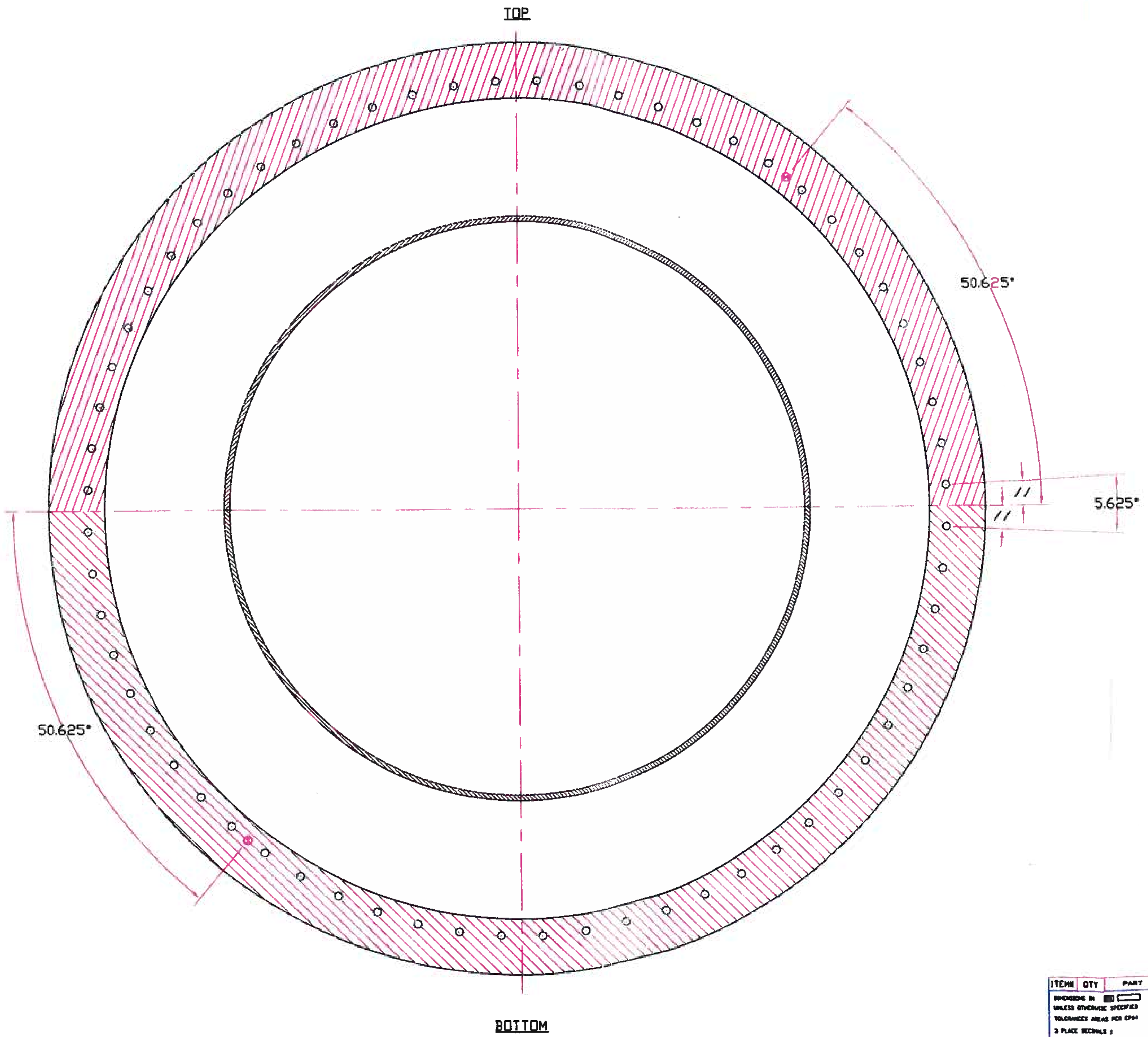
CONCENTRICITY WITH SEAL AXIS	700 µm
CONCENTRICITY WITH SHAFT AXIS	55 µm
CYLINDRICITY	200 µm
MAXIMUM HEIGHT OF STEP AT SPLITS BEFORE SURFACE LAPPING (SEE NOTE 3)	3 µm.
FINISH SURFACE	0.8 µm.

ITEM	QTY	PART ID. No	DESCRIPTION	MATERIAL

DIMENSIONS IN
UNLESS OTHERWISE SPECIFIED
TOLERANCES
3 PLACE DECIMALS ±
2 PLACE DECIMALS ±
ANGLES ±
SURFACE FINISH ✓
BREAK SHARP CORNERS

TURBINE RADIAL SEAL INTERFACE DRAWING

SIZE	CODE IDENT. NO.	DRAWING NO.	REV.
D		TR01-1640-D80	A
SCALE: N.T.S	WT:	SHEET 1 of 2	



SECTION A-A

ITEM	QTY	PART ID. No	DESCRIPTION	MATERIAL

DIMENSIONS IN
UNLESS OTHERWISE SPECIFIED
3 PLACE DECIMALS ±
2 PLACE DECIMALS ±
ANGLES ±
SURFACE FINISH ✓
BREAK SHARP CORNERS

DESIGNED :
DATE :
DRAWN :
CHECKED :
APPROVED :
RELEASED FOR MFG. :
REF. NO. :

TURBINE RADIAL SEAL INTERFACE

SIZE	CODE IDENT. NO.	DRAWING NO.	REV.
D		TR01-1640-D80	A

SCALE :	WT.:	SHEET 2 of 2
N.T.S		