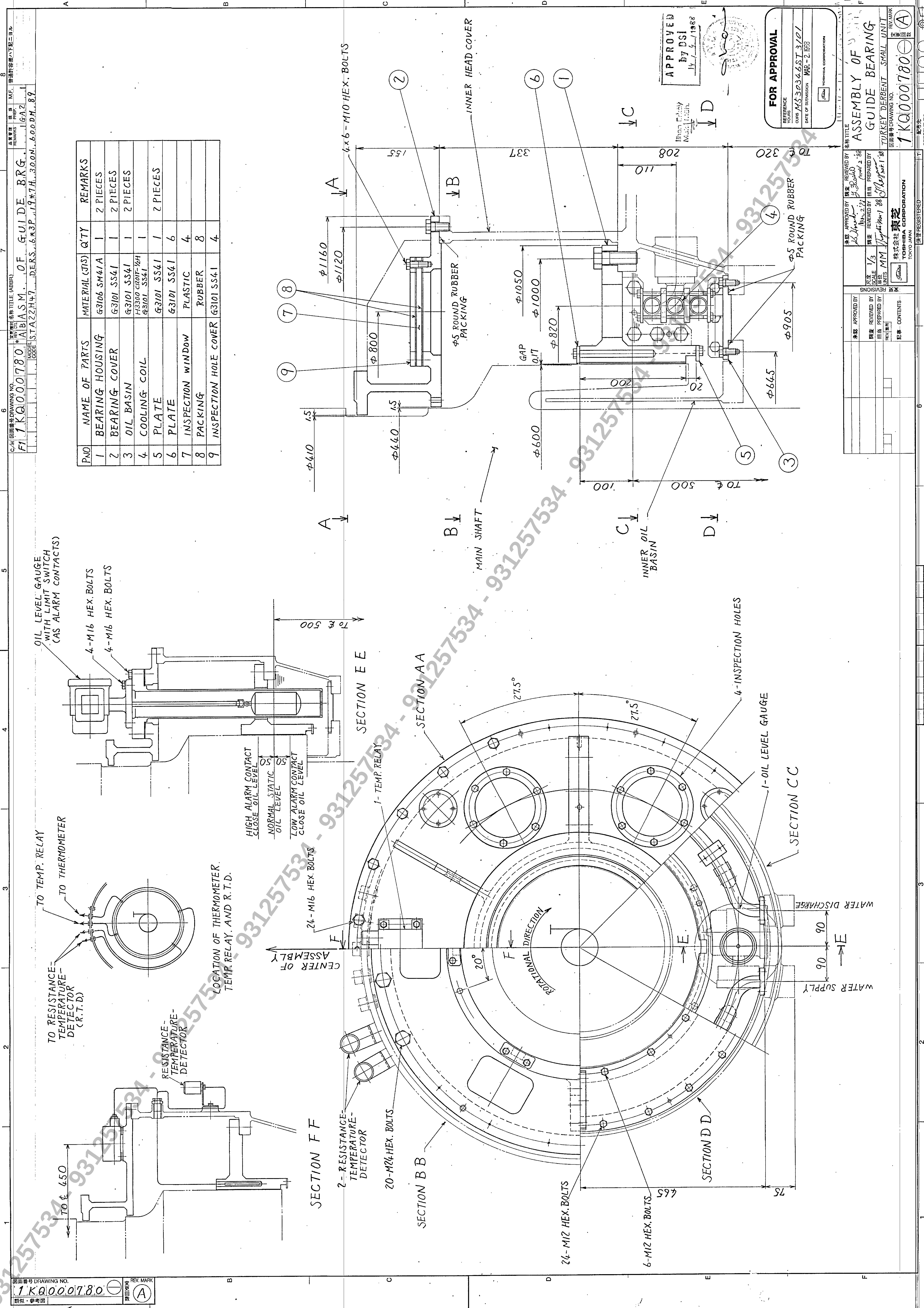


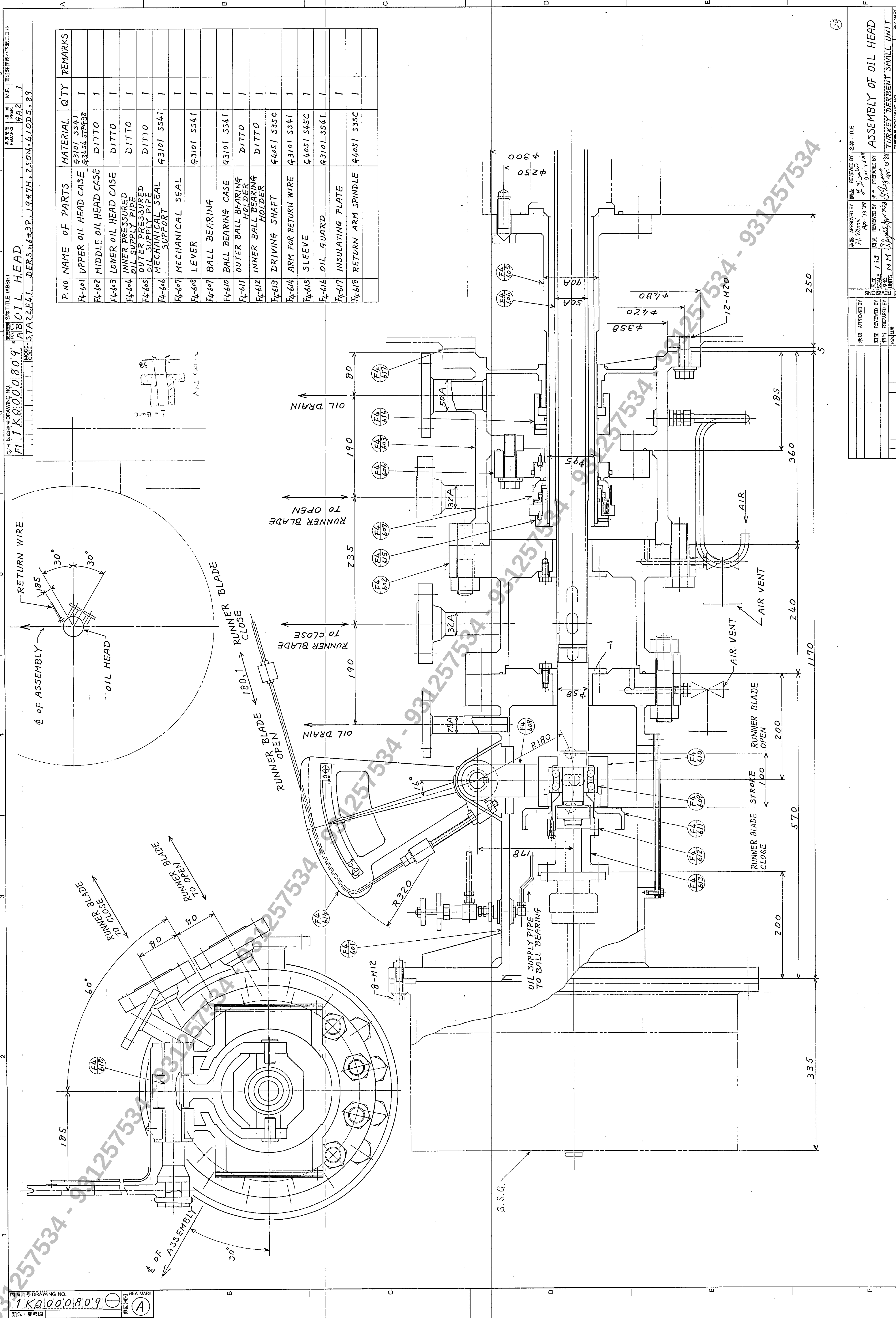


PNO	NAME OF PARTS	MATERIAL (JIS)	Q'TY	REMARKS
1	BEARING HOUSING	G3106 SM41A	1	2 PIECES
2	BEARING COVER	G3101 SS41	1	2 PIECES
3	OIL BASIN	G3101 SS41	1	2 PIECES
4	COOLING COIL	F3300 CR01T-1/2H G3101 SS41	1	
5	PLATE	G3101 SS41	1	2 PIECES
6	PLATE	G3101 SS41	6	
7	INSPECTION WINDOW	PLASTIC	4	
8	PACKING	RUBBER	8	
9	INSPECTION HOLE COVER	G3101 SS41	4	

APPROVED
By DSI
14 / 4 / 1988

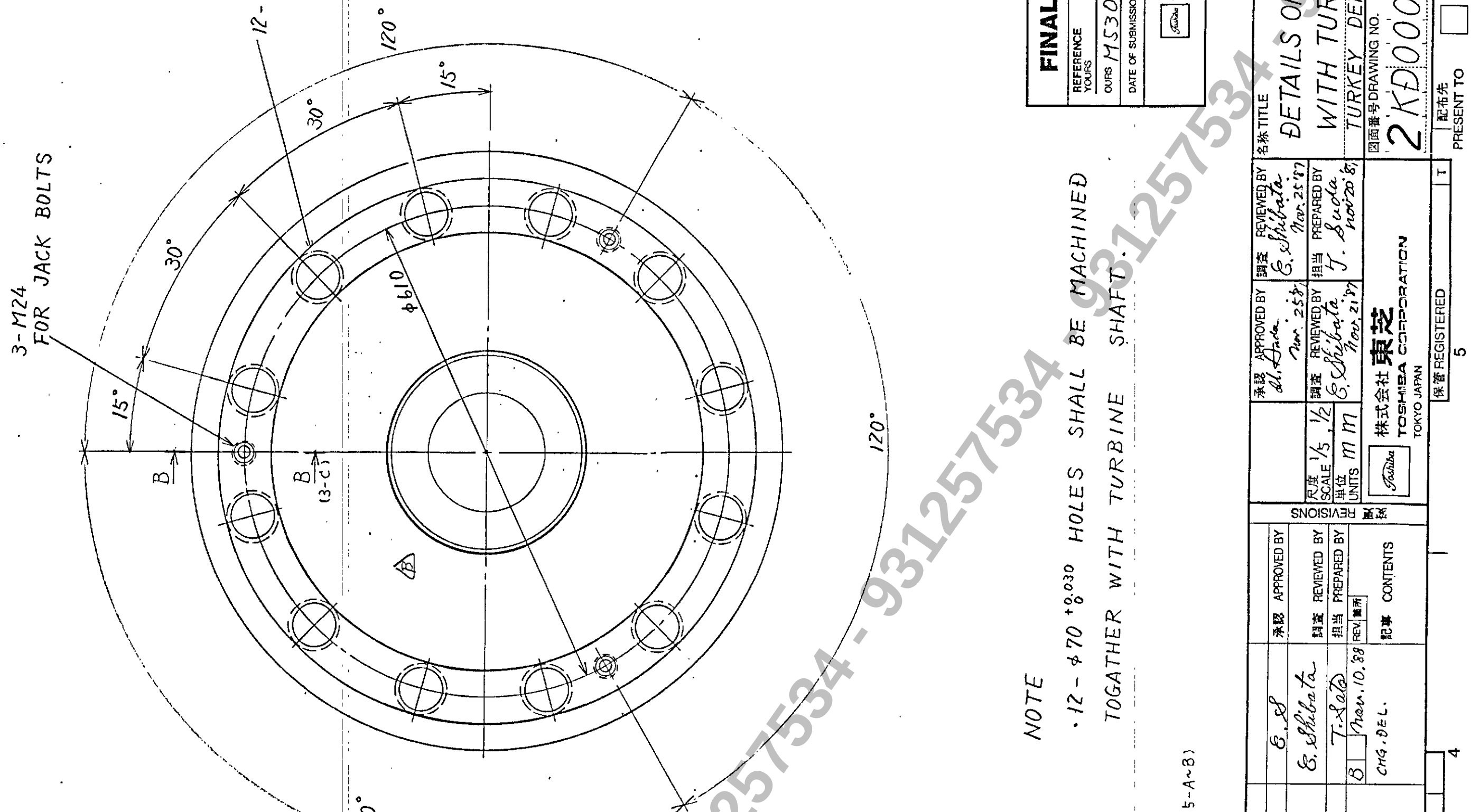
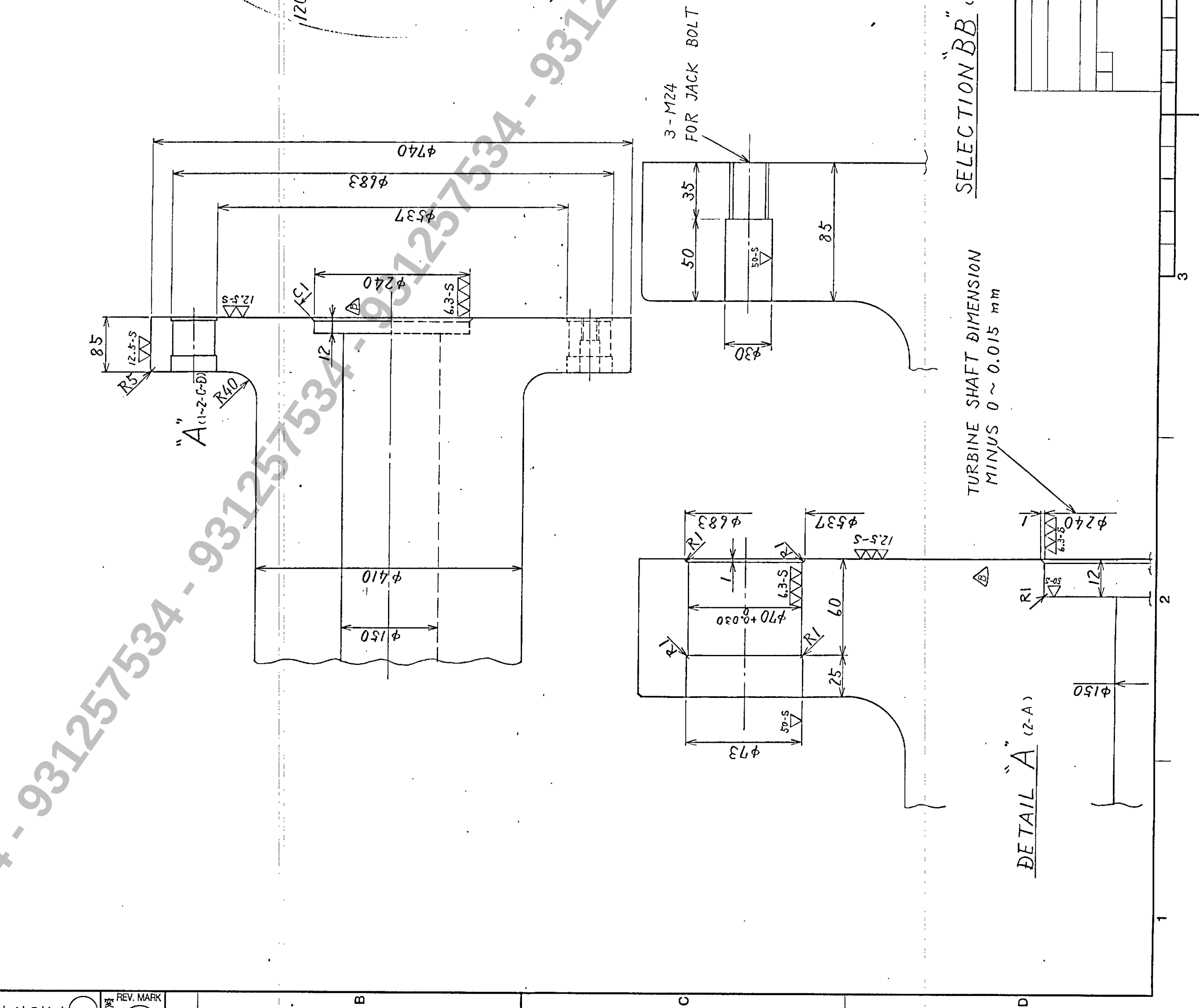
FOR APPROVAL
REFERENCE
TOURS
OHS M530346ST 3101
DATE OF SUBMISSION MAR - 2, 1988
TOSHIBA CORPORATION

ASSEMBLY OF
GUIDE BEARING
TURKEY DERBENT SMALL UNIT
1 K0000780
TOSHIBA CORPORATION
TOKYO JAPAN



図面番号	図面タイトル	承認	承認者	承認日
F1 1 KQ000809	ABOIL HEAD	承認	H. Mura	Apr 13 '88
図面番号	図面タイトル	承認	承認者	承認日
1 KQ000809	ABOIL HEAD	承認	H. Mura	Apr 13 '88
図面番号	図面タイトル	承認	承認者	承認日
1 KQ000809	ABOIL HEAD	承認	H. Mura	Apr 13 '88

図面番号	図面タイトル	承認	承認者	承認日
1 KQ000809	ABOIL HEAD	承認	H. Mura	Apr 13 '88
図面番号	図面タイトル	承認	承認者	承認日
1 KQ000809	ABOIL HEAD	承認	H. Mura	Apr 13 '88
図面番号	図面タイトル	承認	承認者	承認日
1 KQ000809	ABOIL HEAD	承認	H. Mura	Apr 13 '88



• 12 - $\phi 70^{+0.030}_0$ HOLES SHALL BE MACHINED TOGETHER WITH TURBINE SHAFT.

TURBINE SHAFT DIMENSION
MINUS 0 ~ 0.015 mm

"DETAIL A (2-A)"

—

G 112

FINAL DOCUMENT

REFERENCE YOURS

OURS M530.346EW3300

DATE OF SUBMISSION Mar: 13, '89

TOSHIBA CORPORATION

G 112

DETAILS OF COUPLING WITH TURBINE SHAFT

TURKEY DERBENT (SMALL UNIT)

图面番号 DRAWING NO. 変更 REV. MARK

2KD000425-1

配布先
PRESENT TO

5
保管 REGISTERED

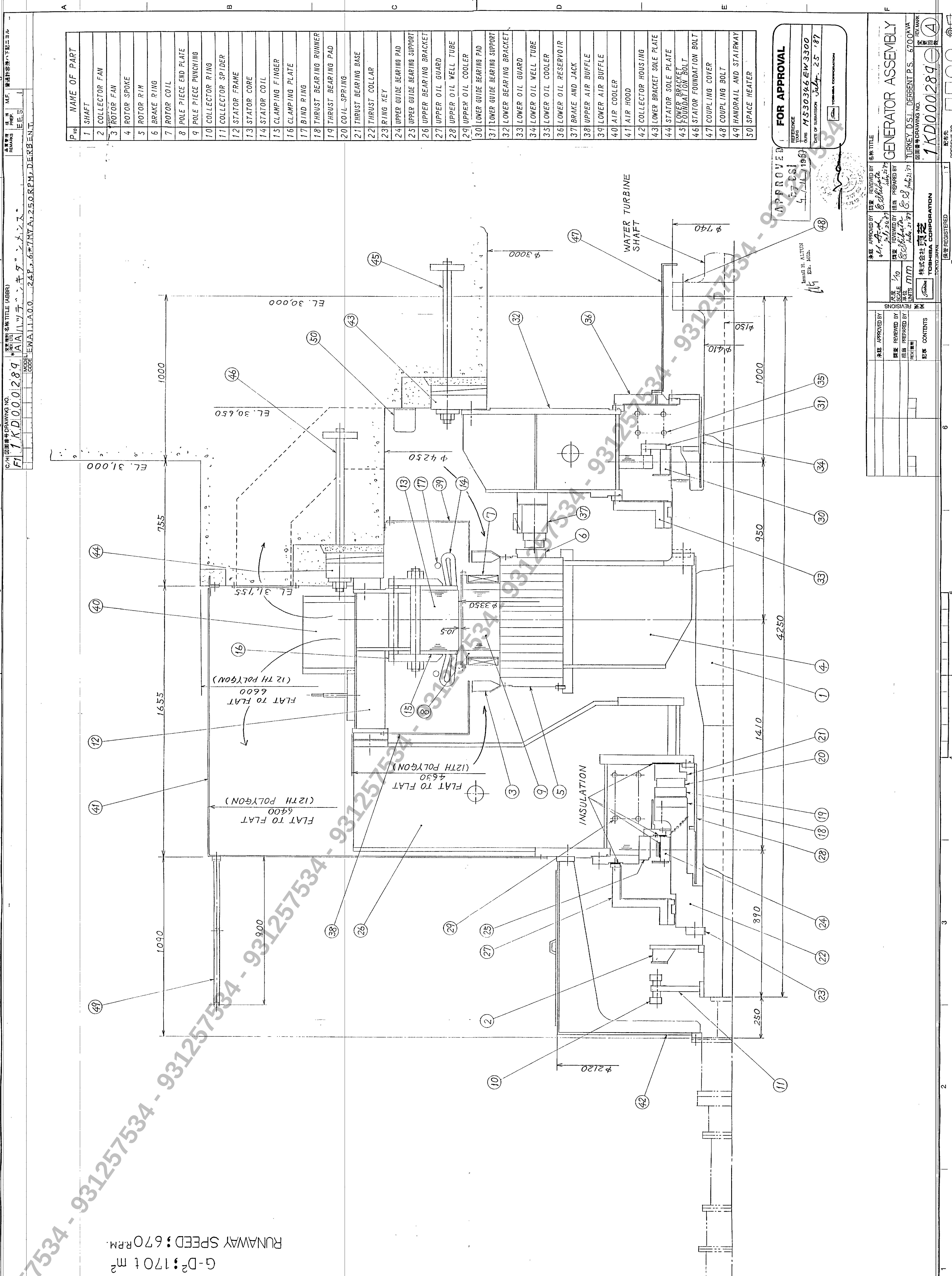
74

3

2

—

RATING: GEN. TACS. 24P-6700 KVA-250 RPM-RCT-11,000V-352A-50HZ-0.9 PF
G-D²: 170 t m²
RUNAWAY SPEED: 670 RPM.



P NO	NAME OF PART
1	SHAFT
2	COLLECTOR FAN
3	ROTOR FAN
4	ROTOR SPOKE
5	ROTOR RIM
6	BRAKE RING
7	ROTOR COIL
8	POLE PIECE END PLATE
9	POLE PIECE PUNCHING
10	COLLECTOR RING
11	COLLECTOR SPIDER
12	STATOR FRAME
13	STATOR CORE
14	STATOR COIL
15	CLAMPING FINGER
16	CLAMPING PLATE
17	BIND RING
18	THRUST BEARING RUNNER
19	THRUST BEARING PAD
20	COIL SPRING
21	THRUST BEARING BASE
22	THRUST COLLAR
23	RING KEY
24	UPPER GUIDE BEARING PAD
25	UPPER GUIDE BEARING SUPPORT
26	UPPER BEARING BRACKET
27	UPPER OIL GUARD
28	UPPER OIL WELL TUBE
29	UPPER OIL COOLER
30	LOWER GUIDE BEARING PAD
31	LOWER GUIDE BEARING SUPPORT
32	LOWER BEARING BRACKET
33	LOWER OIL GUARD
34	LOWER OIL WELL TUBE
35	LOWER OIL COOLER
36	LOWER OIL RESERVOIR
37	BRAKE AND JACK
38	UPPER AIR BUFFLE
39	LOWER AIR BUFFLE
40	AIR COOLER
41	AIR HOOD
42	COLLECTOR HOUSING
43	LOWER BRACKET SOLE PLATE
44	STATOR SOLE PLATE
45	LOWER BRACKET
46	FOUNDATION BOLT
47	COUPLING COVER
48	COUPLING BOLT
49	HANDRAIL AND STAIRWAY
50	SPACE HEATER

FOR APPROVAL

REFERENCE: M530346 EW3300

DATE OF SUBMISSION: July 25 '87

APPROVED BY: [Signature]

4/11/1987

GENERATOR ASSEMBLY

TURKEY D.S.I. DERBENT P.S. 6700KVA

図面番号 DRAWING NO. 1KD000289

株式会社 東芝

TOSHIBA CORPORATION

TOKYO JAPAN

図面承認者: [Signature]

図面審査者: [Signature]

図面検査者: [Signature]

図面作成者: [Signature]

図面承認日: 1987.7.25

図面審査日: 1987.7.25

図面検査日: 1987.7.25

図面作成日: 1987.7.25

図面承認者: [Signature]

図面審査者: [Signature]

図面検査者: [Signature]

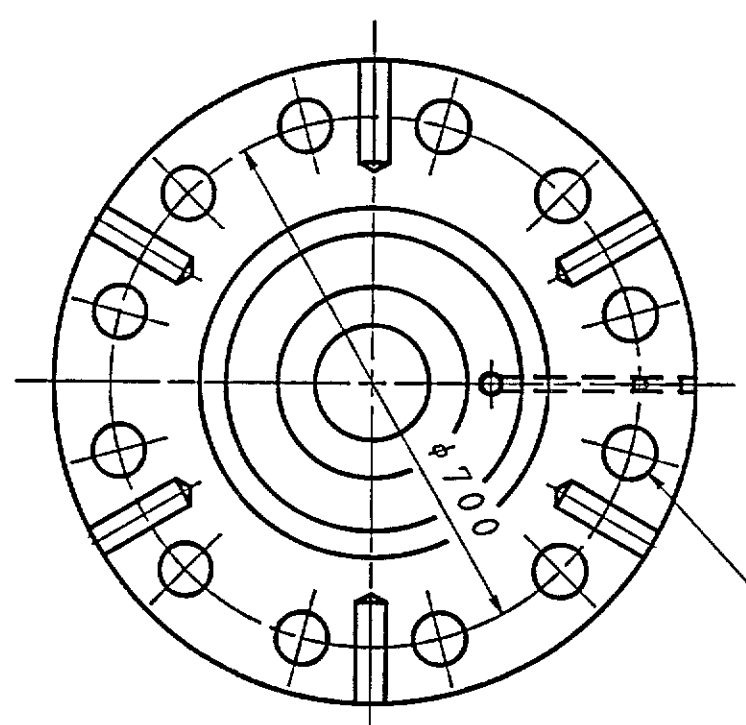
図面作成者: [Signature]

図面承認日: 1987.7.25

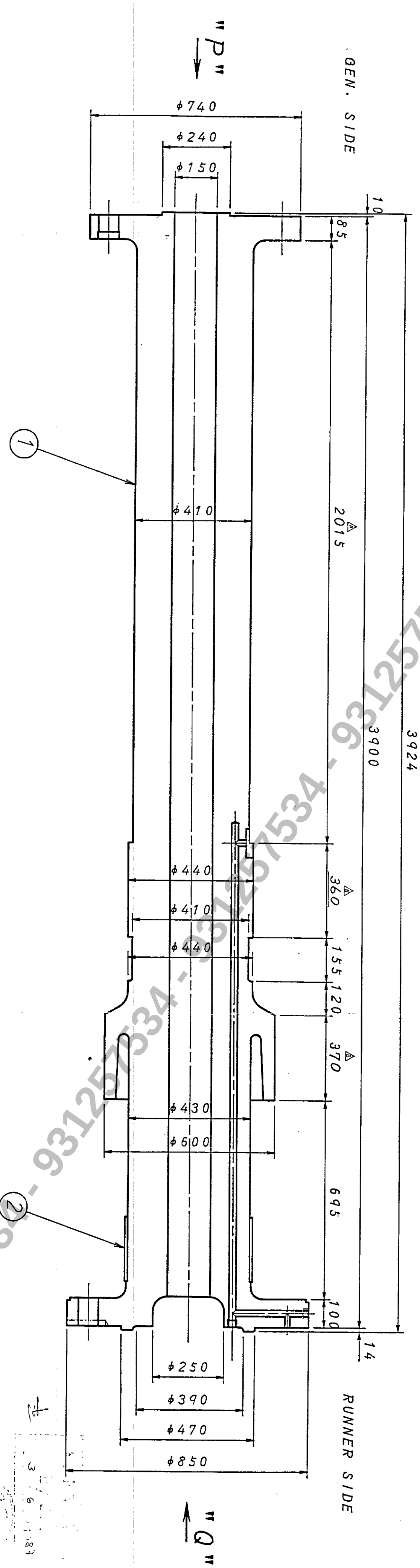
図面審査日: 1987.7.25

図面検査日: 1987.7.25

図面作成日: 1987.7.25



VIEW "Q"



REFERENCE YOURS	OURS	DATE OF SUBMISSION
	M530346.5T 3103	FEB 04 1987

THIS REVISED DRAWING WILL SUPERSEDE
THE CORRESPONDING FORMER SHEET

[illegible]

配布先

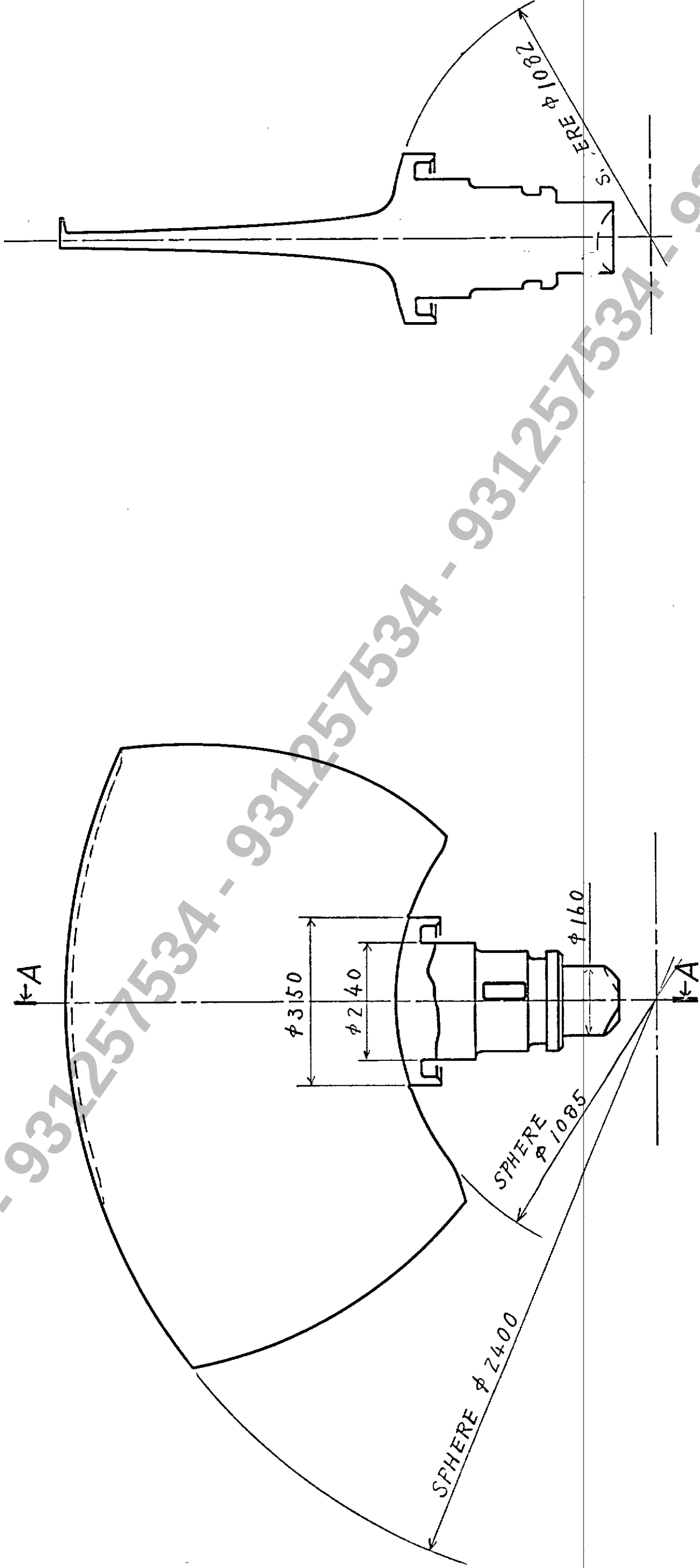
PRESENT TO

☐ ☐ ☐ ☐ 

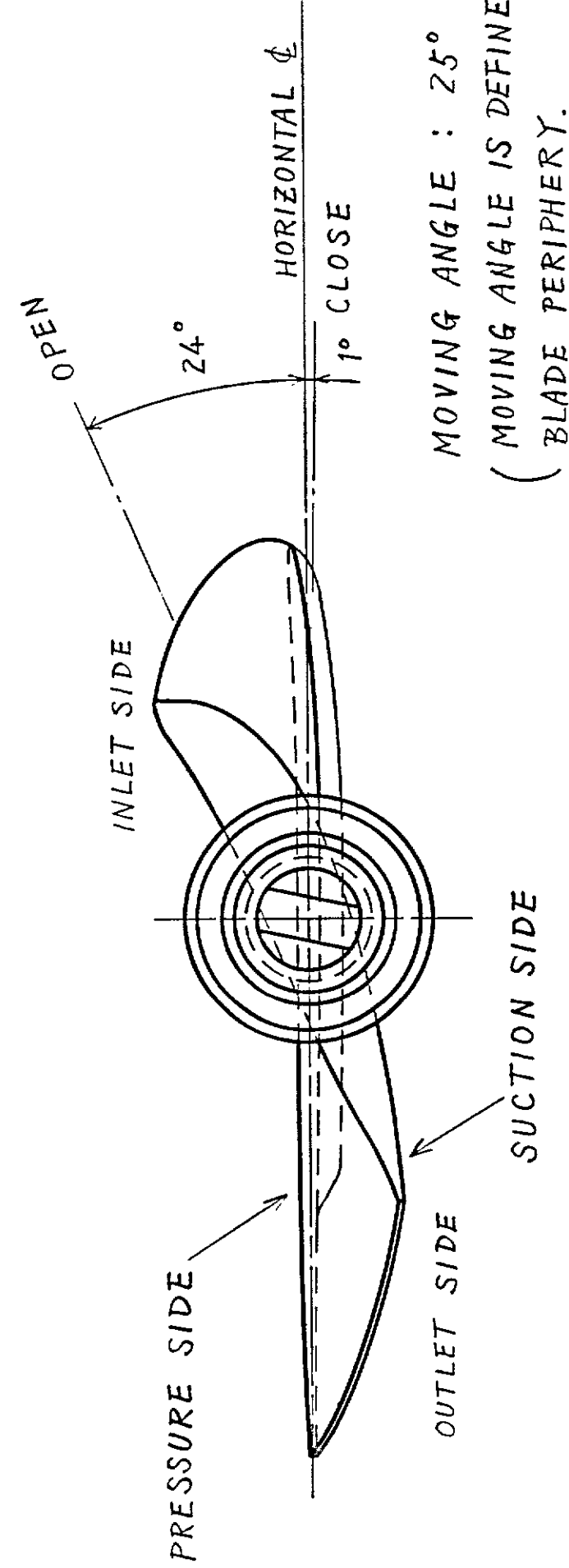
C/H	図面番号	DRAWING NO.	品名	材料	数量	単位	備考
F1	2KQ000752	AB	OUTLINE OF RNR/BLD	GA2	1		
MODEL	CODE	ST	AZ2E48	DERS	6*3P	1.9*7H	250N, 4.78*INS

NAME OF PART	MATERIAL (JIS)	Q'TY	REMARKS
RUNNER BLADE	JIS G5121 SCS1	5	

NOTE
ROTATION : CLOCKWISE WHEN VIEWED LOOKING
DOWN ON THE UNIT.



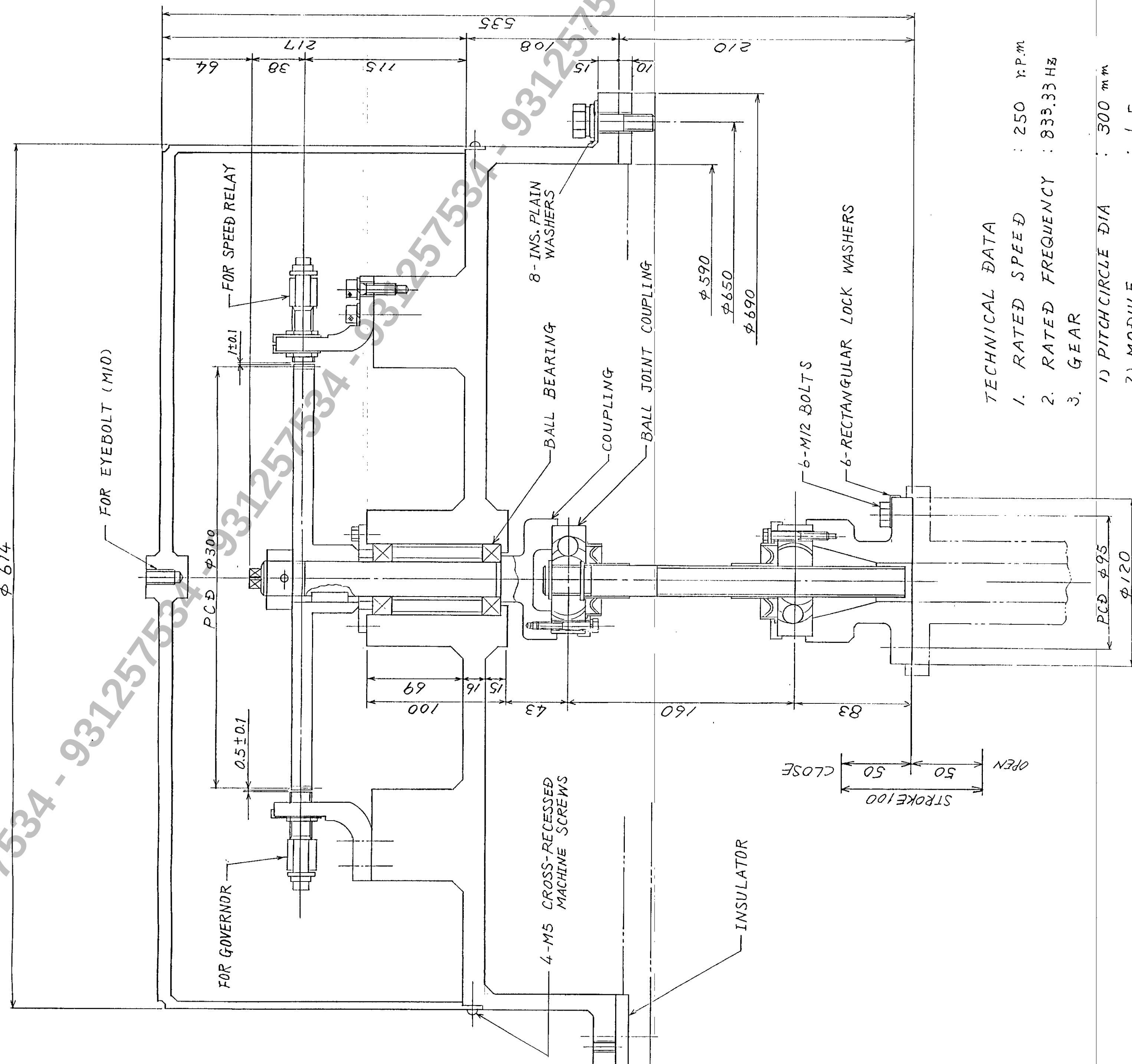
SECTION A-A



APPROVED
by DSI
2007/06/11/1987

FOR APPROVAL
REFERENCE
YOURS
OURS MS30346 ST 3104
DATE OF SUBMISSION MAY 11 1987
TOSHIBA CORPORATION

承認	APPROVED BY	調査	REVIEWED BY	名称	TITLE
調査	REVIEWED BY	担当	PREPARED BY	OUTLINE OF	RUNNER BLADE
担当	PREPARED BY	REV	REV	TURKEY	DERBENT SMALL UNIT
記号	CONTENTS	図面番号	DRAWING NO.	2KQ000752	REV. MARK
株	東芝	TOSHIBA CORPORATION	TOKYO JAPAN	5	5



4. PICKUP FOR GOVERNOR REGULATION
TYPE 085-101-0028 (AIR PAX)

5. PICKUP FOR SPEED RELAY AND INDICATOR
TYPE MP-981 (ONŌ SŌKKI)

1. *RATED SPEED* : 250 r.p.m
2. *RATED FREQUENCY* : 833.33 Hz
3. *GEAR*

- 1) PITCH CIRCLE DIA : 300 mm
2) MODULE : 1.5
3) NUMBER OF TOOTH : 200

4 PICKUP FOR GOVERNOR REGULATION

TYPE 085-101-0028 (AIR PAX)

5. PICKUP FOR SPEED RELAY AND INDICATOR

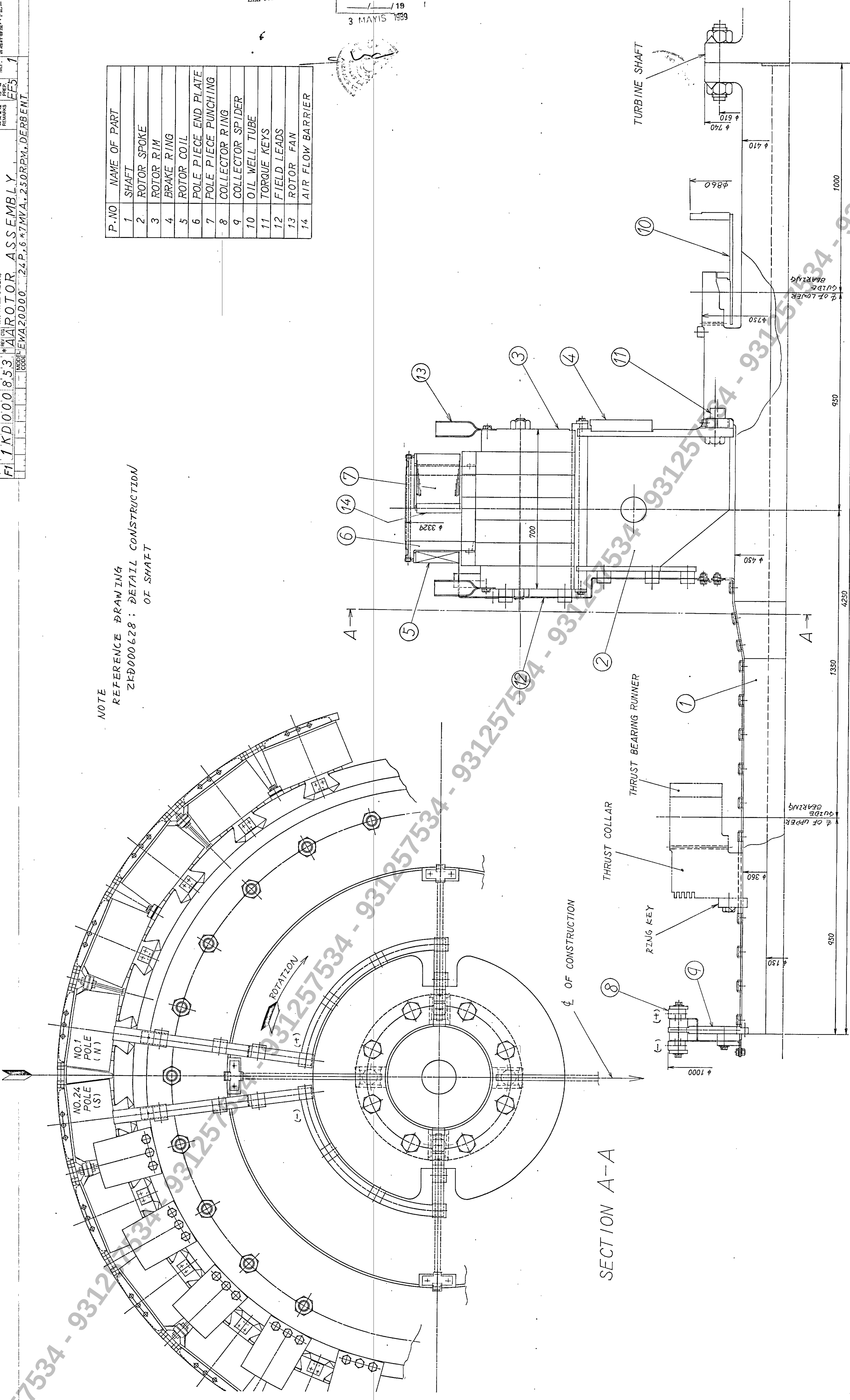
TYPE MP-981 (ON⁻ SOKKI)

23-2-1989/1012-

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6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21																																																																																																																																																															

P.NO	NAME OF PART
1	SHAFT
2	ROTOR SPOKE
3	ROTOR RIM
4	BRAKE RING
5	ROTOR COIL
6	POLE PIECE END PLATE
7	POLE PIECE PUNCHING
8	COLLECTOR RING
9	COLLECTOR SPIDER
10	OIL WELL TUBE
11	TORQUE KEYS
12	FIELD LEADS
13	ROTOR FAN
14	AIR FLOW BARRIER

NOTE
REFERENCE DRAWING
ZK000628; DETAIL CONSTRUCTION
OF SHAFT



SECTION A-A

THRUST BEARING RUNNER

THRUST COLLAR

P7NG KEY

(+) (-)

FINAL DOCUMENT

REFERENCE
JRS
MS 1530346EW 3300
E OF SUBMISSION Mar. 13 '89
TOSHIBA CORPORATION

G 146

2-5

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3
4
5
6
7
8

PR ASSEMBLY

[illegible]

REV	REV NO	DERBENT (SMALL UNIT)

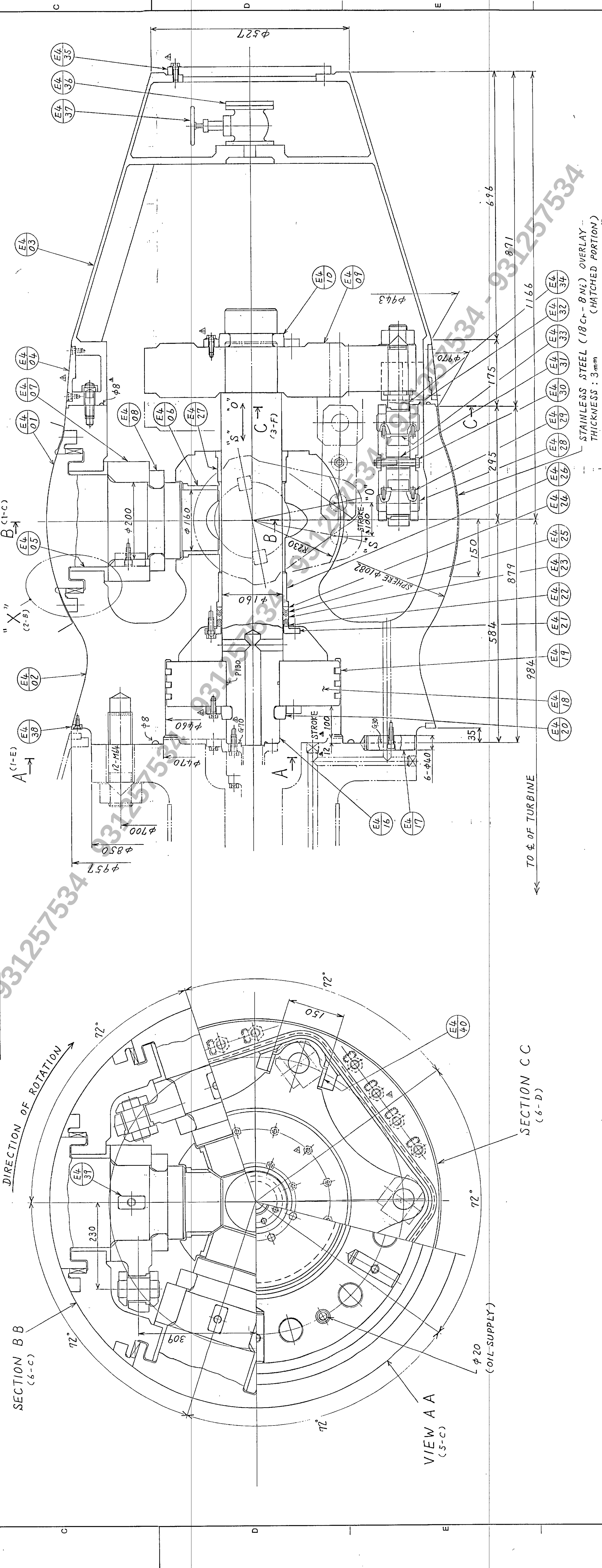
...ing no.

10008530

Figure 1

P. NO.	NAME OF PARTS	MATERIAL	Q. TY	REMARKS
E4-01	RUNNER BLADE	JIS G5101 SC41	5	STAINLESS STEEL
E4-02	RUNNER HUB	JIS G5101 SC41	1	OVERLAY
E4-03	RUNNER CONE	JIS G5101 SS41	1	2 PIECES
E4-04	PROTECTION COVER	JIS G5101 SS41	1	2 PIECES
E4-05	OUTER BLADE SHANK BUSHING	JIS H5102 HBSC3	5	
E4-06	INNER BLADE SHANK BUSHING	JIS H5102 HBSC3	5	
E4-07	RUNNER BLADE LEVER	JIS G3101 SS41	5	
E4-08	LEVER RETAINING RING	JIS G4051 S45C	5	2 PIECES
E4-09	CROSS HEAD	JIS G3101 SS41	1	
E4-10	CROSS HEAD RING KEY	JIS G4051 S45C	1	2 PIECES
E4-11	BLADE PACKING RING GLAND	JIS G4303 SUS403	5	4 PIECES
E4-12	BLADE PACKING ADAPTER	JIS H5111 BC6	5	2 PIECES
E4-13	BLADE PACKING SEAL RING	JIS H5111 BC6	5	2 PIECES
E4-14	BLADE PACKING ADAPTER	JIS H5111 BC6	5	
E4-15	BLADE PACKING	N.B.R.	30	
E4-16	OPERATING ROD	JIS G4051 S35C	1	
E4-17	KEY	JIS G4051 S45C	6	
E4-18	PISTON	JIS G3101 SS41	1	
E4-19	PISTON RING	JIS G5501 FC25	3	
E4-20	PISTON RING KEY	JIS G4051 S45C	1	2 PIECES
E4-21	OPERATING ROD PACKING GLAND	JIS G3101 SS41	1	

P. NO.	NAME OF PARTS	MATERIAL	Q. TY	REMARKS
E4-22	OPERATING ROD PACKING ADAPTER	JIS H5111 BC6	1	2 PIECES
E4-23	OPERATING ROD PACKING SEAL RING	JIS H5111 BC6	1	2 PIECES
E4-24	OPERATING ROD PACKING ADAPTER	JIS H5111 BC6	1	
E4-25	OPERATING ROD PACKING	N.B.R.	6	
E4-26	UPPER OPERATING ROD BUSHING	JIS H5111 BC3	1	
E4-27	LOWER OPERATING ROD BUSHING	JIS H5111 BC3	1	
E4-28	RUNNER BLADE LINK PIN	JIS G4051 S45C	10	
E4-29	DOWEL PIN	JIS G4051 S35C	20	
E4-30	STAY BOLT AND HEX. NUT	JIS G3101 SS41	5	M16
E4-31	SPACER	JIS G3101 SS41	5	25A x 80 x 40
E4-32	RUNNER BLADE LINK	JIS G402 SMC631	10	
E4-33	RUNNER BLADE LINK BUSHING	JIS H5102 HBSC3	10	
E4-34	RUNNER BLADE LINK BOLT	JIS G402 SMC631	5	
E4-35	RUNNER CONE COVER PLATE	JIS G3101 SS41	1	
E4-36	BLANK FLANGE	JIS H5111 BC6	1	FOR DRAIN
E4-37	VALVE	JIS G4304 SUS404	1	
E4-38	RUNNER LINER	JIS G4051 S45C	10	
E4-39	RUNNER BLADE KEY	JIS H3000 C2801P-1/2H	2	
E4-40	CROSS HEAD GUIDE PLATE			



図面番号 DRAWING NO.
F1/K000615

品名
TURBINE HUB

材料
STAINLESS STEEL

規格
JIS G5101

標準
JIS G5101

単位
mm

数量
1

備考
1

図面番号 DRAWING NO.
F1/K000615

品名
TURBINE HUB

材料
STAINLESS STEEL

規格
JIS G5101

標準
JIS G5101

単位
mm

数量
1

備考
1

図面番号 DRAWING NO.
F1/K000615

品名
TURBINE HUB

材料
STAINLESS STEEL

規格
JIS G5101

標準
JIS G5101

単位
mm

数量
1

備考
1

図面番号 DRAWING NO.
F1/K000615

品名
TURBINE HUB

材料
STAINLESS STEEL

規格
JIS G5101

標準
JIS G5101

単位
mm

数量
1

備考
1

図面番号 DRAWING NO.
F1/K000615

品名
TURBINE HUB

材料
STAINLESS STEEL

規格
JIS G5101

標準
JIS G5101

単位
mm

数量
1

備考
1

図面番号 DRAWING NO.
F1/K000615

品名
TURBINE HUB

材料
STAINLESS STEEL

規格
JIS G5101

標準
JIS G5101

単位
mm

数量
1

備考
1

