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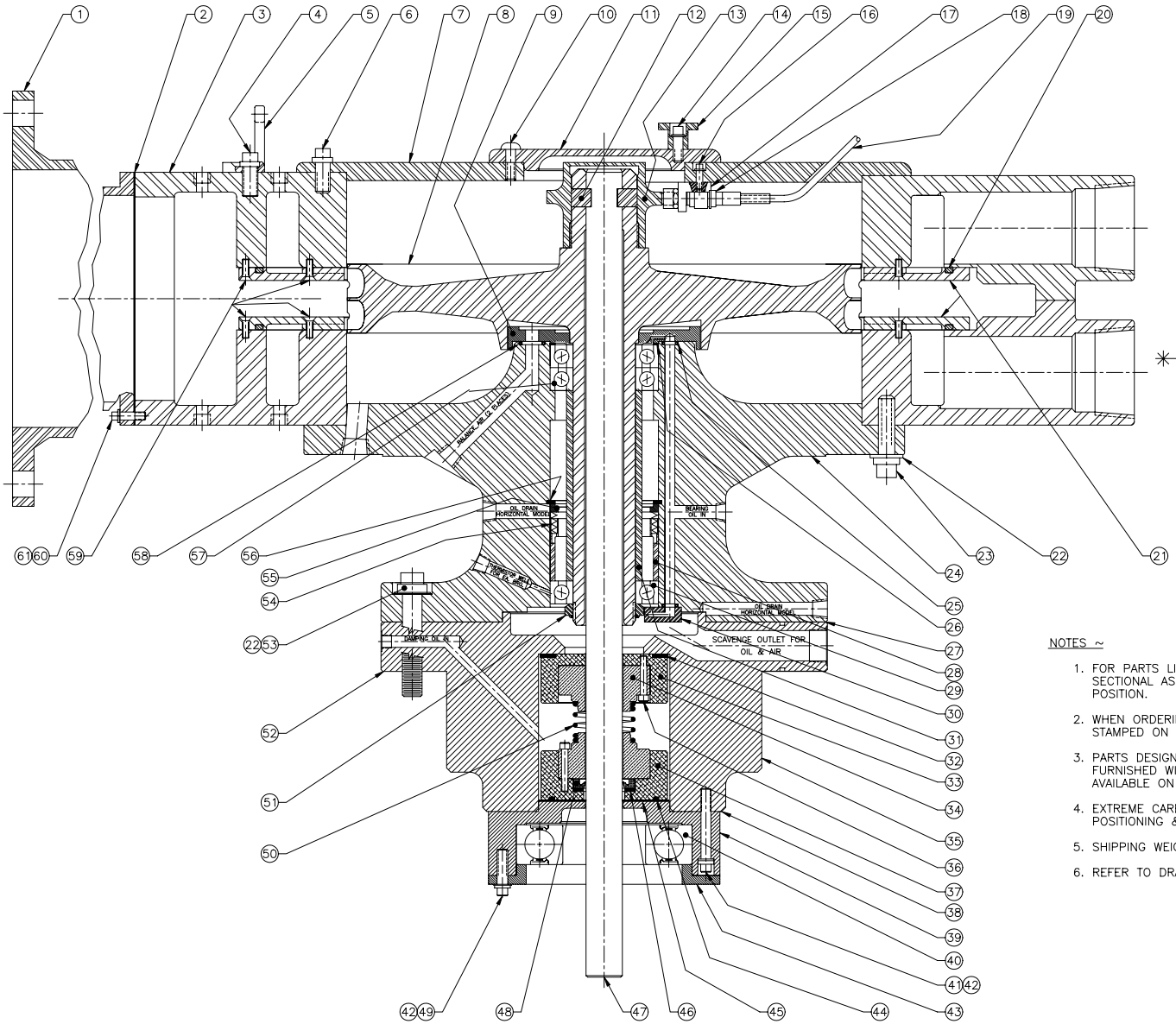

PARTS LIST			
REF NO	PART NO.	QTY	DESCRIPTION
51	9033	1	BEARING LOCKNUT
52	9041	1	GASKET, MOUNTING
53	7038	12	SCREW
54	9048	36	SPRING
55	9008	1	PRESSURE RING
56	9047	1	RETAINING RING
57	9034	2	BEARING
58	7033	2	O'RING
59	9439	128	SCREW
60	1016	24	SCREW ~ 12 EXHAUST ADAPTER/12 LABYRINTH SEAL–NOT SHOWN
61	6122	12	WASHER
	ITEMS NOT SHOWN		
–	7048	4	WASHER
–	1214	1	SET SCREW ~ NOT SHOWN
–	7068	3	PIPE PLUG ~ BEARING HOUSING
–	9039	4	SCREW ~ BEARING HOUSING
–	9042	1	LIMITS PLATE
–	4300	1	SERIAL No. PLATE
–	4200	8	DRIVE SCREW ~ 4 LIMITS PLATE/4 SERIAL No. PLATE
–	4253	1	DOWEL ~ BEARING HOUSING TO SEAL
–	9049	2	PIPE PLUG ~ THERMISTOR, BRG.HSG.
–	9051	1	PIPE PLUG ~ DRAIN – BRG.HSG.
–	4163	1	SCREW
–	9062	1	PIPE PLUG
–	9025	1	COUPLING TYPE SPINDLE (SEE INSTALLATION DRWG #9050)

PARTS LIST			
REF NO	PART NO.	QTY	DESCRIPTION
1	9017	1	EXHAUST ADAPTER ~ STD. 10" FLANGE
2	9019	1	GASKET ~ EXHAUST ADAPTER
3	9002	1	NOZZLE BOX ASSEMBLY
4	2472	6	SCREW
5	9020	2	LIFTING EYE
6	9029	12	SCREW
7	9013	1	COVER ADAPTER PLATE
8	9001	1	ROTOR
9	9004	1	SEAL
10	7039	6	SCREW
11	9014	1	ACCESS COVER
12	9012	2	KEY ~ SPINDLE, UPPER
13	9010	1	ROTOR NUT (60 LOBES)
14	4203	2	SCREW
15	9046	2	LIFTING KNOBS
16	1118	4	SCREW ~ 2 MTG. BRKT./2 OIL NOZZLE SEG. NOT SHOWN
17	9015	1	MOUNTING BRACKET ~ MAGNETIC PICKUP
18	2433	1	MAGNETIC PICK UP
19	1895	1	CABLE ASSEMBLY, MAGNETIC PICK UP
20	9060	2	O'RING
21	9005	2	NOZZLE PLATE
22	7049	24	WASHER
23	9032	12	SCREW
24	9003	1	BEARING HOUSING
25	4234	3	O'RING ~ 2 TOP, ONE BOTTOM BRG. HSG.
26	7062	1	LAMINATED SHIM
27	9018	1	GASKET ~ UNIVERSAL
28	9009	1	BEARING PRELOAD SLEEVE
29	9045	1	BEARING
30	9011	1	OIL NOZZLE SEGMENT
31	9007	1	BEARING SPACER SLEEVE
32	7094	1	DAMPER SEAL, UPPER
33	9023	1	DAMPER CASE ~ UPPER
34	9021	2	BUSHING
35	9024	1	DAMPER HOUSING
36	9037	16	SCREW
37	9022	1	DAMPER CASE ~ LOWER
38	7017	1	GASKET
39	7016–20	1	GUIDE BEARING HOUSING
40	7035	1	BEARING
41	9038	8	SCREW
42	4208	16	WASHER
43	7018	1	GIUDE BEARING HOUSING CAP
44	9036	1	O'RING
45	9065	1	DAMPER SEAL, LOWER
46	9026	1	WASHER
✳ 47	9025B	1	SPINDLE BLANK (OPTIONAL)
48	9043	1	SEAL
49	4207	8	SCREW
50	7005	1	SPRING

NOTES ~

1. FOR PARTS LIST PURPOSES, PORTIONS OF THIS SECTIONAL ASSEMBLY ARE SHOWN OUT OF TRUE POSITION.
2. WHEN ORDERING TURBINE PARTS, SERIAL NUMBER STAMPED ON B.S.Co. NAMEPLATE SHOULD BE INCL.
3. PARTS DESIGNATED ✳ ARE ACCESSORIES NOT FURNISHED WITH BASIC TURBINE ASSEMBLIES BUT AVAILABLE ON REQUEST.
4. EXTREME CARE MUST BE USED IN THE HANDLING, POSITIONING & ALIGNING OF MATING PARTS.
5. SHIPPING WEIGHT OF TURBINE IS APPROX. 2250lbs.
6. REFER TO DRAWING #9050 FOR TURBINE INSTALLATION.

CHARACTERISTIC SYMBOLS			
STRAIGHTNESS	—	PERPENDICULARITY; SQUARENESS	⊥
FLATNESS	▱	PARALLELISM	//
ROUNDNESS; CIRCULARITY	○	POSITION	⌖
CYLINDRICITY	⌭	CONCENTRICITY	◎
PROFILE OF A LINE	⌒	SYMMETRY	⌯
PROFILE OF A SURFACE	⌓	CIRCULAR RUNOUT	↗
ANGULARITY	∠	TOTAL RUNOUT	↗

TOLERANCE
.XX ± .010
.XXX ± .005
.XXXX ± .0005
ANGLES ± 30'
MATERIAL
FINISH MICROINCHES EXCEPT AS NOTED
HEAT TREAT

UNLESS OTHERWISE NOTED

DRAWN	J.ROBERTS
DATE	12/6/89
APPROVED	A.J.E.
DATE	07/30/91
APPROVED	
DATE	

CAD FILE = BS-9000

REV	DESCRIPTION	DATE	BY

USED ON BARBOUR STOCKWELL CO.
300 THIRD STREET
CAMBRIDGE,MASS 02142

VERTICAL 20" TURBINE ASSEMBLY

SIZE	DRAWING NUMBER	REV
D	9000	A

SCALE 1/2 SHEET 1 OF 1