LIST OF A.C. MOTORS AND CONTROLLERS

LINE NUMBER	AUXILIARY NAME	MOTOR NO PER SHIP	MOTOR HP FULL LOAD	MOTOR SPEED	MOTOR VOLTS	MOTOR NO OF PHASES	MOTOR DESIGN	MOTOR DUTY	MOTOR AMB TEMP °C	MOTOR ENCLOSURE	MOTOR NAVY SERVICE	CONTROLLER SPECIAL FUNCTION (IN ADDITION TO STARTING)	CONTROLLER PERFORMANCE	CONTROLLER VOLTAGE PROT	CONTROLLER ENCLOSURE	MASTER SWITCH TYPE	MASTER SWITCH LOCATION	MASTER SWITCH ENCLOSURE	REMARKS	APPLICABLE SPECIFICATION	LINE NUMBER
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	SHOPS																				1
2	ARMATURE SLOT CLEANER	1	0.25		115	1						AS REQUIRED									2
3	BALANCING MACHINE	2	5.0		440	3															3
4	BENDER, PIPE & TUBE 1/2" - 3"	1	5.0		440	3															4
5	BENDER, PRESS (100 TON)	1	10.00		440	3															5
6																					6
7	BORING, DRILLING & MILLING 4"	1	20.0		440	3															7
8	BORING MILL, VERTICAL 46"	1	40.0		440	3															8
9	BRAKE, PRESS 6' X 10 GA	1	5.0		440	3															9
10	BRAKE, PRESS 6' X 1/2"	1	30.0		440	3															10
11	BUFFER, TYPE 1 CLASS 1	1	1.0		440	3															11
12	CAMERA, COPYING PHOTOLITOGRAPHIC	1	0.33		115	1															12
13	CLEANING MACHINE	1	0.25		115	1															13
14	CLEANING MACHINE	2	0.33		115	1															14
15	COIL WINDING MACHINE (WV)	1	2.0		440	3															15
16	COIL WINDING MACHINE (WX)	1	0.5		440	3															16
17	COMPOSING MACHINE VARITYPER, MODEL A20	1	0.05		115	1															17
18	DRILL PRESS 16" (BEN CH)	4	1.0		440	3															18
19	DRILL PRESS 16" (FLOOR)	8	1.0		440	3															19
20	DRILL PRESS 24" (FLOOR)	2	5.0		440	3															20
21	DRILL PRESS, GEAR HEAD 21"	1	3.0		440	3															21
22	DRILL PRESS, RADIAL 4" X 11"	1	5.0		440	3															22
23	DUPLICATING MACHINE (OFF-SET)	2	1.5		440	3															23
24	DUST COLLECTOR SYSTEM	1	5.0		440	3															24
25	DUST COLLECTOR SYSTEM	1	0.75		440	3															25
26	ELECTROLYTE PUMP	2	0.25		115	1															26
27	ENGRAVING MACHINE PANTOGRAPH	1	0.5		115	1															27
28	ENGRAVING MACHINE GRINDER	1	0.25		115	1															28
29	ENGRAVING MACHINE PANTOGRAPH	1	1.0		440	3															29
30	FORGE HAMMER	1	15.0		440	3															30
31	FORMER, SLIP ROLL 48" X 14 GA	1	2.0		440	3															31
32	PRINTING PRESS, OFFSET, 8" X 12"	1	0.5		440	3															32
33	DUPLICATING MACHINE	1	5.0		440	3															33
34	CLEANER UNIT BLOWER	1	0.5		115	1															34
35	SAW CUT-OFF 16" DIAMETER	1	10.0		440	3															35
36	GRINDER, 7" X 1" (BENCH)	7	1.0		440	3															36
37	GRINDER, 10" X 1-1/4" (BENCH)	1	1.0		440	3															37
38	GRINDER, CARBIDE TOOL	1	2.0		440	3															38
39	GRINDER, CARBIDE CHIPBREAKER	1	0.25		440	3															39
40	BLOWER, OIL BURN. FORGE	1																			40
41	GRINDER, DRILL NO. 60 - 11/32	1	0.25		115	1															41
42	GRINDER, DRILL 1/4" - 3"	1	1.5		440	3															42
43	GRINDER & GUMMER	1	0.5		440	3															43
44	GRINDER, OIL STONE	1	0.33		440	3															44
45	GRINDER SURFACE 12" X 24"	1	5.0		440	3															45
46	GRINDER TOOL & CUTTER	1	1.0		440	3															46
47	GRINDER TOOL & KNIFE	1	0.33		115	1															47
48	GRINDER TOOL POST	1	0.25		115	1															48
49	GRINDER WET & DRY 10" X 1"	1	1.0		440	3															49
50	GRINDER WET & DRY 12" X 2"	2	2.0		440	3															50
51	GRINDER WET & DRY 12" X 2"	3	3.0		440	3															51
52	GRINDER, VALVE SEAT	1	0.5		440	3															52
53	DUST COLLECTOR	1	0.25		115	1															53
54	IRON WORKER NO. 1-1/2	1	3.0		440	3															54
55	JOINTER, 6", LING BED FLOOR	1	0.75		440	3															55
56	JOINTER, 16", FLOOR	1	5.0		440	3															56
57	KEY DUPLICATING MACHINE	1	0.25		115	1															57
58	LATHE, ENGINE, 12" X 24"	2	2.0		440	3															58
59	LATHE, ENGINE, 13" X 30"	4	15.0		440	3															59
60	LATHE, ENGINE, 16" X 54"	4	20.0		440	3															60
61	LATHE, ENGINE, 20" X 96"	1	20.0		440	3															61
62	LATHE, GAP, 25"/41-1/2"" X 96"	1	30.0		440	3															62
63	LATHE, INSTRUMENT	1	1.0		440	3															63
64	LATHE, JEWELERS	2	0.1		115	1															64
65	LATHE, 15" X 30"	1	3.0		440	3															65
66	LATHE, TURRET, RAM TYPE 2-1/2"	1	15.0		440	3															66
67	LATHE, WOOD, 16" X 96"	1	2.0		440	3															67
68	LATHE, WOOD, 12" X 48"	1	0.5		440	3															68
69	MICA UNDER CUTTER TYPE III	1	0.1		115	1															69
70	MILLING ATTACHMENT	1	0.5		440	3															70
71	DRILL PRESS, 14", (BENCH)	1	1.0		440	3															71
72	GRINDER CYLINDRICAL 14" X 72"																				72
73	WHEEL HEAD	1	5.0		440	3															73
74	HYD. TABLE	1	2.0		440	3															74
75	WORK HEAD	1	0.25		440	3															75
76	COOL. PUMP	1	0.25		440	3															76
77	BRASING HOLT, 6" X 1/2"	1	15.0		440	3															77
78		1	7.5		440	3															78
79		1	1.5		440	3															79
80		1	.75		440	3															80
81		1	0.75		440	3															81
82																					82
83																					83
84																					84

NOTES -

1 THIS LIST IS NOT TO BE CONSTRUED AS RESTRICTIVE OR AS EXCLUDING CHANGES IN NUMBER OF UNITS OR MOTOR AND CONTROLLER CHARACTERISTICS DUE TO DEVELOPMENT.

2 ALL MOTORS SHALL BE EITHER NATURAL OR SELF-VENTILATED UNLESS OTHERWISE SPECIFIED.

ABBREVIATIONS

DP	DRIPPROOF
EP	EXPLOSIONPROOF
FS	FLOAT SWITCH
HP	HIGH PRESSURE SWITCH
LP	LOW PRESSURE SWITCH
PS	PRESSURE SWITCH
SP	SPLASHPROOF
ST	SPRAYTIGHT
TE	TOTALLY ENCLOSED
TS	TEMPERATURE SWITCH
WF	WATER FAILURE SWITCH
WT	WATERTIGHT
PB	PUSHBUTTON
HE	HERMETIC
DPP	DRIPPROOF PROTECTED
LS	LIMIT SWITCH
SU	SUBMERSIBLE
SS	SELECTOR SWITCH
PP	PRESSURE PROOF
IS	INTERLOCK SWITCH

DEPARTMENT OF THE NAVY

BUREAU OF SHIPS

WASHINGTON, D.C.

EXAMINED

DIRECTOR SHIP DESIGN DIVISION
LEAD ELEC ENGR
ELEC DESIGN
TECHNICAL DIRECTOR
PROJECT COORDINATOR
SECTION HEAD CODE 456
APPROVED
UNIT HEAD
REVIEWED
PROJ ENGINEER
DESIGN ENGINEER

ELECTRICAL CONTRACT GUIDANCE PLAN

SUBMARINE TENDER AS 34

LIST OF MOTORS AND CONTROLLERS

APPROVED

DATE

FOR CHIEF OF BUREAU

AS 34	800
BUREAU OF SHIPS NUMBER	REV
1564688	

SHEET 4 OF 5