LIST OF A.C. MOTORS AND CONTROLLERS

LINE NUMBER	AUXILIARY NAME	MOTOR NO PER SHIP	MOTOR UNIT 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 (CONT.)																				1
2	MILLING MACHINE, UNIVERSAL, NO. 2																				2
3	FEED	3	1.25		440	3						AS REQUIRED								9100	3
4	SPINDLE	3	5.0		440	3															4
5	MILLING MACHINE, UNIVERSAL HEAVY DUTY NO. 3																				5
6	FEED	3	3.0		440	3															6
7	SPINDLE	3	15.0		440	3															7
8	MILLING MACHINE, UNIVERSAL, READY DUTY NO. 4																				8
9	FEED	1	3.0		440	3															9
10	SPINDLE	1	20.0		440	3															10
11	NIBBLING MACHINE (14 GA)	1	0.25		115	1															11
12	PAPER DRILLING MACHINE	1	0.33		115	1															12
13	PLANER, SINGLE SURFACE																				13
14	RAISING	1	0.5		440	3															14
15	GRINDER	1	0.33		440	3															15
16	CUTTER HEAD	1	20.0		440	3															16
17	FEED	L	3.0		440	3															17
18	PIPE CUTTING & THREADING 1" - 4"	1	2.0		440	3															18
19	PRINTING PRESS, OFFSET 14" X 20"	2	0.75		440	3															19
20	PRINTING PRESS, PLATTEN 8" X 12"	2	0.25		115	1															20
21	PRINT WASHER	1	0.5		440	3															21
22	PUMP, COOLING, FOUNDRY	1	3.0		440	3															22
23	PUMP, VACUUM, ROTARY	1	0.5		115	1															23
24	RECHARGE PUMP, CO_2	1	0.5		440	3															24
25	ROUTING, DRILLING & MILLING	1	3.0		440	3															25
26	REFRIGERATOR 15 CU. FT.	2	0.33		115	1															26
27	RUBBER MILL	1	20.0		440	3															27
28	RUBBER PRESS 100 TON	1	1.0		440	3															28
29	RUBBER PRESS 300 TON	1	10.0		440	3															29
30	SAND MULLER, 24"	1	3.0		440	3															30
31	SAND RIDDLE, 18"	1	0.25		115	1															31
32	SANDER, BELT, 6" X 60"		1.0		440	3															32
33	SANDER, DISC & BELT 15"	1	1.0		440	3															33
34	SANDER, DISC, DOUBLE, 24"	1	3.0		440	3															34
35	SANDER, OSCILLATING SPINDLE	1	0.5		440	3															35
36	SAW SHARPENER	1	1.5		440	3															36
37	SAW, BAND, METAL	1	1.5		440	3															37
38	SAW, BAND, 36"	1	5.0		440	3															38
39	SAW, CIRCULAR, 10"	1	0.75		440	3															39
40	SAW, CONTOUR, 36", HIGH SPEED	1	10.0		440	3															40
41	SAW, CONTOUR, 36"	1	5.0		440	3															41
42	SAW, CUT-OFF, 12" X 12"	1	1.5		440	3															42
43	SAW, FILING & SETTING	1	0.25		115	1															43
44	SAW, HORIZONTAL CUT-OFF	1	3.0		440	3															44
45	SAW, JIG, 24", BENCH	1	0.5		440	3															45
46	SAW, OVERARM 16"	1	5.0		440	3															46
47	SAW, TABLE, 10"	1	2.0		440	3															47
48	SAW, TABLE, 16"	1	5.0		440	3															48
49	SEWING MACHINE TYPE I CLASS 6	1	0.5		115	1															49
50	SEWING MACHINE TYPE I CLASS 2	2	0.5		115	1															50
51	SEWING MACHINE, TYPE VII CLASS 4	1	0.5		115	1															51
52	SHAPER, PLANER - 36"	1	10.0		440	3															52
53	SHAPER, UNIVERSAL 16"	1	7.5		440	3															53
54	SHAPER, VERTICAL 12"	1	5.0		440	3															54
55	SHAPER, SPINDLE	1	2.0		440	3															55
56	SHEARING & FORMING, UNIVERSAL 7/32"	1	2.5		440	3															56
57	SHEARS, 16 GA	1	0.33		440	3															57
58	NIBBLER, 12 GA	1	0.5		440	3															58
59	SHEARS, SQUARING 6' X 1/2"	1	15.0		440	3															59
60	SHEARING & FORMING, 11/32"	1	7.5		440	3															60
61	SHAKER PAINT	1	0.33		115	1															61
62	SPRAY BOOTH, 36" X 36" X 48"	1	1.0		440	3															62
63	STITCHER, BOOK & PAMPHLET	1	0.33		115	1															63
64	VALVE REFACER 11/16"	1	0.5		440	3															64
65	VALVE TESTER	1	2.0		440	3															65
66	WHITE PRINT MACHINE	1	0.5		220	1															66
67	WHITE PRINT MACHINE	1	2.0		220	1															67
68	SHEARS, SQUARING 6' X 10 GA	1	5.0		440	3															68
69	VACUUM CLEANER	1	1.0		115	1															69
70	SINK, 24" X 4' COOLING	1	0.33		115	1															70
71	SINK, PHOTOLITHOGRAPHIC	2	0.33		115	1															71
72	CUT-OFF ABRASIVE MACHINE, 2 1/2"	2	10.0		440	3															72
73	DISINTEGRATOR	1	0.25		115	1															73
74	BUFFER, BENCH	2	3.0		440	3															74
75	BENDING, ROLL 4' X 1/4" (DRIVE)	1	7.5		440	3															75
76	(ELEVATOR)	1	0.75		440	3															76
77	KETTLE, MARINE GLUE (STIR.)	1	0.33		115	1															77
78	OVEN, BAKE, ELECTRIC BLWR.	1	0.33		440	1															78
79	LATHE, TOOL MAKER 10" X 20"	1	2.0		440	3															79
80	SAW, CIRCULAR, TILT, ARBOR, 10"	1	2.0		440	3															80
81	TRAVERSING SAW - 8"	1	10.0																		81
82		1	0.5																		82
83		1	0.25																		83
84		1	0.25																		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

ELECTRICAL CONTRACT GUIDANCE PLAN

EXAMINED: DIRECTOR-SHIP DESIGN DIVISION; HEAD-ELEC. DESIGN; ELEC. DESIGN; TECHNICAL DIRECTOR; PROJECT COORDINATOR; SECTION HEAD; UNIT HEAD; REVIEWED PROJ. ENGINEER; DESIGN ENGINEER

APPROVED: FOR CHIEF OF BUREAU

DEPARTMENT OF THE NAVY — BUREAU OF SHIPS — WASHINGTON, D.C.

SUBMARINE TENDER AS 34

LIST OF MOTORS AND CONTROLLERS

DATE: 5/4/63

BUREAU OF SHIPS NUMBER: AS 34 | 800 | 1564688 | REV.

SHEET 5 OF 5