L1 NAVIGATION LIGHT PANEL

MAIN SW'BD SUPPLY P3-1 2c#10 TO PANEL
120 VAC — 10
120 VAC — 10
L2 ALT. SUPPLY L6-6 2c#10 TO PANEL

MAIN / OFF / ALT.	13	L1-1	W.T 'U' GND. RECEPT.
MAIN / OFF / ALT.	13	L1-2	MAST LT (DOUBLE)
MAIN / OFF / ALT.	13	L2-2	PORT SIDE LT. (DOUBLE)
MAIN / OFF / ALT.	13	L3-1	STBD. SIDE LT. (DOUBLE)
MAIN / OFF / ALT.	13	L3-2	STERN LT. (DOUBLE)
OFF / ON	13	L1-51	PORT / STBD — UPPER N.U.C.-RED
OFF / ON	13	L1-52	PORT / STBD — R.I.A.M.-WHITE
OFF / ON	13	L1-62	PORT / STBD — LOWER N.U.C.-RED
OFF / ON	13	L1-71	PORT / STBD
OFF / ON	13	L1-72	PORT / STBD
OFF / ON	13	L1-8	ANCHOR

NOTE: NAVIGATION LIGHT PANEL TO BE C/W FUSED SWITCHES INDICATING LIGHTS, AUDIBLE & VISUAL ALARM ON EXTINCTION OF LIGHT. MANUAL TRANSFER SWITCH FOR ALTERNATE SUPPLY PANEL TO BE MECHTRONICS MODEL 36000. ALL FEEDERS TO BE 2C-14, ALL LIGHTS TO BE 60 WATTS.

L2 W/H NAVIGATION AIDS PANEL

TO P4 120V BUS #2 3C/6 P4-2

120 VAC 3PH, 3W

L2-1	2/14	AB 15	5A — RADAR
L2-2	2/14	BC 15	1.45A — GYROCOMPASS
L2-3	2/14	CA 15	0.25A — LORAN C
L2-4	2/14	AB 15	3A — INTERCOM
L2-5	2/14	BC 15	0.42A — LF-MF/DF
L2-6	2/14	CA 15	0.25A — GUARD RECEIVER
L2-7	2/14	AB 15	2A — SOUNDER (MS 50)
L2-8	2/14	BC 15	0.35A — VHF/DF
L2-9	2/14	AB 15	4.2A — POWER SUPPLY 12V, 35A D1-A
L2-10		CA 15	SPARE
L2-11		AB 15	SPARE
L2-12	2/14	BC 15	2.9A — B/C 12V 20A 2/10
L2-13		15	SPARE
L2-14	2/14	CA 15	4.6A — B/C 24V 20A 2/10

P4-2A 3C/6

L3 ACCOMMODATION LIGHT & POWER DISTRIBUTION PANEL

TO P4 120V BUS #2 3C/6 P4-1

120 VAC 3PH 3W

L3-1	2/14	AB 15	1.1A — CREW CABIN — PORT
L3-2	2/14	BC 15	1.1A — CREW CABIN — STBD.
L3-3	2/14	CA 15	1A — OFFICER'S CABIN
L3-4	2/14	AB 15	REFRIGERATOR
L3-5	2/14	15	FREEZER
L3-6	2/14	BC 15	REMOTE STOP — RANGE EXHAUST HOOD
L3-7	2/14	CA 15	EXTERIOR RECEPTS.-PORT
L3-8	2/14	AB 15	EXTERIOR RECEPTS-STBD.
L3-9	2/14	BC 15	HALLWAY/TV RECEPT.
L3-10	2/14	CA 15	TV AMP RECEPT
L3-11	2/14	AB 15	GALLEY RECEPTS. (FWD. COUNTER)
L3-12	2/14	BC 15	GALLEY RECEPTS. (PORT COUNTER)
L3-13	2/14	CA 15	2.2A — LIGHT, FAN, MIRROR LIGHT — WASHROOM
			HALLWAY EMERGENCY FIXTURES
L3-14	2/14	AB 15	1.6A — GALLEY/MESS LIGHTING
L3-15	2/14	15	0.35 — HALLWAY LIGHTING
L3-16		15	
L3-17		15	SPARES
L3-18		15	

L6 W/H LIGHT & POWER PANEL

120 VAC 3PH 3W

L6-1	2/14	CA 15	5.8A — 1X40 EXTERIOR LIGHTING
L6-2	2/12	BC 20	12.5A — FWD. FLOODLIGHTS (500W EACH)
L6-3		15	SPARE
L6-4		15	
L6-5	2/14	CA 15	6.7A — HEATED WINDOW 800W
L6-6	2/10	AB 30	5.5A — NAV. LIGHT PANEL ALT. FEED
L6-7	2/14	CA 15	2A — FIRE DETECTION PANEL
L6-8	2/14	AB 15	1.6A — CONSOLE/CONTROL LIGHTING
L6-9	2/14	BC 15	PORT W/H; MAST (EXTERIOR RECEPT.); STBD W/H
L6-10	2/14	BC 15	PORT W/H RECEPT.
L6-11	2/14	BC 15	STBD W/H RECEPT.
L6-12	2/14	AB 15	CHART TABLE RECEPT.
L6-13	2/14	CA 15	2.1A — W/H LIGHTING

→ TO 12VDC PNL D2

LEGEND

ACL-ACROSS LINE STARTING
LVR-LOW VOLTAGE RELEASE
LVP-LOW VOLTAGE PROTECTION
⊠ — MANUAL STARTER
⊕ — RECEPTACLE
⊕S — RECEPTACLE, SWITCHED
2X20 etc-FLUORESCENT FIXTURE
2X20 S etc-FLUORESCENT FIXTURE, SWITCHED
60 etc-INCANDESCENT FIXTURE
60 S etc-INCANDESCENT FIXTURE, SWITCHED
S — SWITCH
S 2 — SWITCH, TWO WAY
B/C — BATTERY CHARGER
E-INCANDESCENT EMERGENCY FIXTURE SELF CONTAINED

DC PANEL #1

12 VDC

D1-1	10	6A 2/14	VHF/FM (STBD)
D1-2	10	1A 2/14	SOUNDER
D1-3	10	1A 2/14	GRS/RT
D1-4	10	5A 2/14	LOUDHAILER/FOGHORN
D1-5	10	1A 2/14	VHF/AM
D1-6	10	6A 2/14	AUTOPILOT
D1-7	10		SPARE
D1-8	10		SPARE

2/8

DC PANEL #2

D2-A 2 40 — D2-B 220 AH

D2-1	25	13A 2/10	ISOLATION CONVERTERS — HF/SSB
D2-2	25	6A 2/10	VHF/FM (PORT)
D2-3	15	42A 2/12	W/H EMERG LIGHTING; 120 VAC (L6-13)
D2-4	15		SPARE

DC PANEL #3

24 VDC

D3-1	15	12A 2/14	INBOARD EMERG FLOODLIGHTS (145W EACH)
D3-2	15	12A 2/12	OUTBOARD EMERG FLOODLIGHTS (145W EACH)
D3-3	15	25A 2/14	MACHINERY ALARM SYSTEM
D3-4	15	2A 2/14	FIRE DETECTION PANEL (ALT)
D3-5	15	2A 2/14	ENGINE ORDER TELEGRAPH
D3-6	15	0.5A 2/14	RUDDER ANGLE INDICATORS
D3-7	15	0.5A 2/14	NAV. LIGHT PANEL CONTROL
D3-8	15	1.4A 2/14	S.P.T. BEACON; 6/14 TO E.R. S.P.T. — TO P1 240V BUS #1 3C/4 P1-10
D3-9	15		SPARES
D3-10	15		
D3-11	15	S	GENERAL ALARM SYSTEM; ACC. DECK E.R. BELL; SIREN; D3-11A TO FIRE SCOPE PANEL

D3-A 2/4 D3-B 220 AH 50

L4-ER. LIGHT & POWER DISTRIBUTION

TO P3 120V BUS #1 3C/6 P3-2

120 VAC 3PH 3W

L4-1	2/14	AB 15	1.5A — J S 2 2X20 1X12 60 S 60 S — WORKSHOP LIGHTING
L4-2	2/14	AB 15	PORT
L4-3	2/14	CA 15	STBD — E.R. RECEPTS.
L4-4	2/14	BC 15	8.3A — PSTH — HYD ENGINE BLOCK HEATER (1KW)
L4-5	2/14	CA 15	2.5A — S 2X20 2X20 2X20 2X20 2X20 2X20 — E.R. LIGHTS
L4-6	2/14	BC 15	S — WORKSHOP RECEPTS.
L4-7	2/14	BC 15	S
L4-8	2/14	CA 15	3.5A — S 60 60 60 60 60 60 — HOLD LIGHTING
L4-9	2/14	AB 15	1A — S 60 60 — STEERING FLATS
L4-10	2/14	BC 15	0.48A — S PS — CHLORINATOR; L4-11A 2/14 TO INTAKE VENT DAMPER
L4-11	2/14	AB 15	7.4A — ACL LVR 60 — WORKSHOP/HOLD VENT FAN; L4-11B REMOTE STOP; L4-11C 2/14 HALON RELEASE SWITCH
L4-12	2/14	BC 15	HOLD RECEPT
L4-13	2/14	CA 15	2.9A — B/C 12V, 20A 2/12 D4-A
L4-14		15	SPARES
L4-15		15	

D4-B 2/8 — 220 AH — 30

DC PANEL #4

12 VDC

D4-1	2	2/14 1.2A	PORT M.E. INST.
D4-2	15	2/14 1.2A	STBD. M.E. INST.
D4-3	15	2/12 10A	PORT GEN. INST.
D4-4	15	2/12 10A	STBD GEN. INST.
D4-5	15	2/14	TO SWITCHBOARD SHORT TIME RELAY
D4-6	10	2/14 3A	J R — HALON RELEASE BEACON; 2/14 D4-6A PS — PRESSURE SWITCH ON HALON CYLINDER
D4-7	10		SPARE
D4-8	10		SPARE

L5 HEATING DISTRIBUTION PANEL

230V 3PH 3W

L5-1	2/14	AB 15 8.3A	WHEELHOUSE PORT CONVECTOR HEATER 2KW
L5-2	2/12	CA 20 14.6A	officer acc. 1.5KW; galley/mess 2.0KW — CONVECTOR HEATERS
L5-3	3/14	ABC 15 4.8A	WORKSHOP UNIT HEATER 2KW-C/W FAN
L5-4	2/12	BC 20 12.5A	CREW CABINS 1.5 KW CONVECTOR HEATERS
L5-5	3/14	ABC 15 4.8A	ENGINE ROOM UNIT HEATERS 2KW EACH C/W FAN
L5-6	3/14	ABC 15 4.8A	
L5-7	2/14	CA 15 3.12A	LAVATORY HEATER 750W FAN FORCED WALL HEATER
L5-8	2/12	BC 15 8.3A	HOT WATER STORAGE TK 2 X 2 KW. ELEMENTS FLIP-FLOP TYPE
L5-9	2/14	AB 15 4.1A	S H — STEERING FLAT HEATER 500 W. EXPLOSION PROOF
L5-10	2/14	AB 15 8.3A	WHEELHOUSE STBD CONVECTOR HEATER 2 KW
L5-11		15	SPARE

REVISIONS	
DATE	REMARKS
10/15/65	AS FITTED

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Drg. Title Dess. titre: ONE LINE DIAGRAM — ELECTRICAL DISTRIBUTION PANELS

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Contractor Drg. No. Entrepreneur Dess. N°: 42-83-600 2 OF 2

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