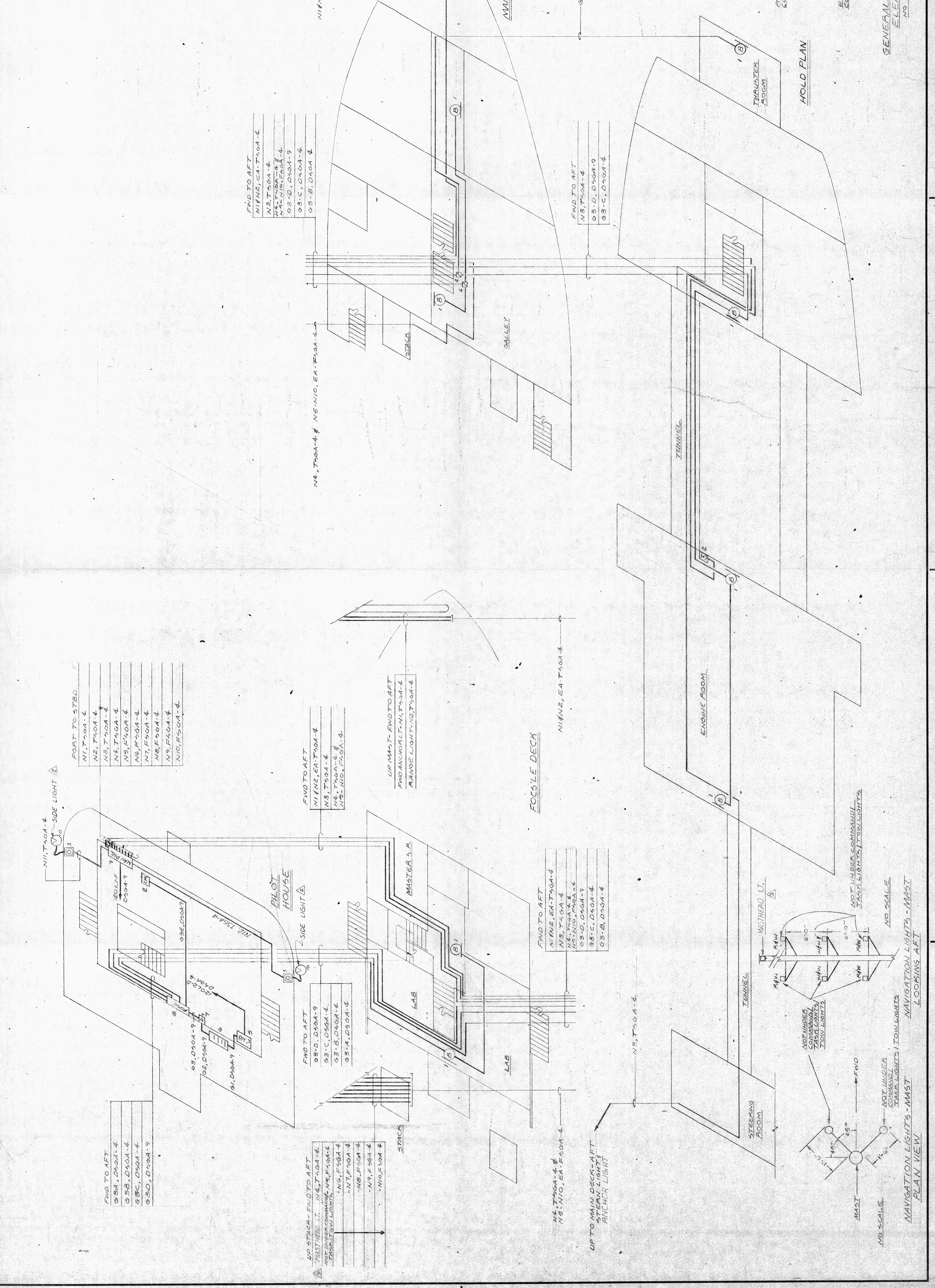


BILL OF MATERIAL

SYM	QTY	QUANTITY	DESCRIPTION	MANUFACTURER	REMARKS
1	8		SEVALM BELL, 1/2" ZEVOC, 1/2" TV-9	ROSE McCANN	
2	2		CONTACT MAKER, 250	PAULUHN	
3	18		WIRE, 1/16" DIA, 1/2" L, 1/2" DIA, 1/2" L	WIRE-1P RUS	
4	2		WIRE, 1/16" DIA, 1/2" L, 1/2" DIA, 1/2" L	WIRE-1P RUS	
5	1		BATTERY, 12V, 10AH CAPACITY, M39H	LA MARCHE	AUTO TABLE
6	1		BATTERY, 12V, 10AH CAPACITY, M39H	CRESCENT	SLOW DISCHARGE
7	1		FUSED DISTRIBUTION PANEL	SQUARE "D"	
8	1		NAVIGATION LIGHTS PANEL	MALAMA	W/S 22 CIRCUITS
9	1		NAVIGATION LIGHTS PANEL	MALAMA	W/S 22 CIRCUITS
10	2		SIDE LIGHTS - RED (GREEN, 1150 NO. 2)	PERKO	12PT. BRASS, DUAL FIL
11	4		NOT UNDER COMMAND (TAKING TOWING LIGHTS, W/RED TOP) (CLEAR BOTTOM) LENS	PERKO	12PT. BRASS, DUAL FIL
12	2		ANCHOR LIGHTS, WHITE, 1159 NO. 2	PERKO	12PT. BRASS, DUAL FIL
13	2		ANCHOR LIGHTS, WHITE, 1159 NO. 2	PERKO	12PT. BRASS, DUAL FIL
14	1		ANCHOR LIGHT, WHITE, 1159 NO. 2	PERKO	12PT. BRASS, DUAL FIL
15	1		ANCHOR LIGHT, WHITE, 1159 NO. 2	PERKO	12PT. BRASS, DUAL FIL
16	2		ANCHOR LIGHTS, WHITE, 1159 NO. 2	PERKO	12PT. BRASS, DUAL FIL
17	1		ANCHOR LIGHT, WHITE, 1159 NO. 2	PERKO	12PT. BRASS, DUAL FIL
18	1		ANCHOR LIGHT, WHITE, 1159 NO. 2	PERKO	12PT. BRASS, DUAL FIL
19	1		ANCHOR LIGHT, WHITE, 1159 NO. 2	PERKO	12PT. BRASS, DUAL FIL
20	1		ANCHOR LIGHT, WHITE, 1159 NO. 2	PERKO	12PT. BRASS, DUAL FIL

NOTES  
 1. ALL MATERIALS & THE INSTALLATION THEREOF SHALL BE IN ACCORDANCE WITH USCG, TITLE 46, CFR PART 177.107 TO 177.113 INCLUSIVE.  
 2. STOP LENS OF DUAL LENS FIXTURE TO BE WITHOUT A SHIELD TO PROVIDE 32 POINT (360°) WITH ANGLE 80° FROM LENS TO BE CLEAR LIGHT ANGLE TO PROVIDE 20 POINT (225°).  
 3. ANCHOR LT. IS MODIFIED BY USE OF A SCREEN TO BE A 20 POINT HAZARD LIGHT.

OCT 30 1973



REV	DESCRIPTION	DATE	BY
1	REVISED TO SUIT 'H-BUILT' CONDITION	11/17/69	EDG
2	MOVED SIDE LITS FROM ROOF OF PILOT HOUSE TO BRIDGE WINGS	1/13/73	EDG
3	REVISED ANCHOR LIGHTS ON BILL OF MATERIALS TO MODEL #1169	1/13/73	EDG
4	REVISED NUC/TASK/TOWING LIGHTS	2/16/73	EDG

APPROVALS  
 U.S. NAVY: 130-73  
 USCG: 130-73  
 USPHS: 130-73

U.S. NAVAL SHIP SYSTEMS COMMAND  
 WASHINGTON D.C. 20380

OCEANOGRAPHIC RESEARCH SHIP  
 AGOR (UTILITY) CLASS

HALTER MARINE SERVICES, INC.  
 P.O. BOX 29286 NEW ORLEANS, LA. 70129

NAVIGATIONAL LITS & GENERAL ALARM SYSTEM WIRING DIAGRAM

SCALE: 3/4" = 1'-0"  
 DATE: 12-22-72  
 DRAWN BY: EDG:EMA  
 CHECKED BY: MFR  
 HALTER: 2187-88  
 HULL NO.: 375-76  
 JOB NO.: 2187-88  
 NAVSHIPS NO.: AGOR 21-400-001  
 REV. 2