

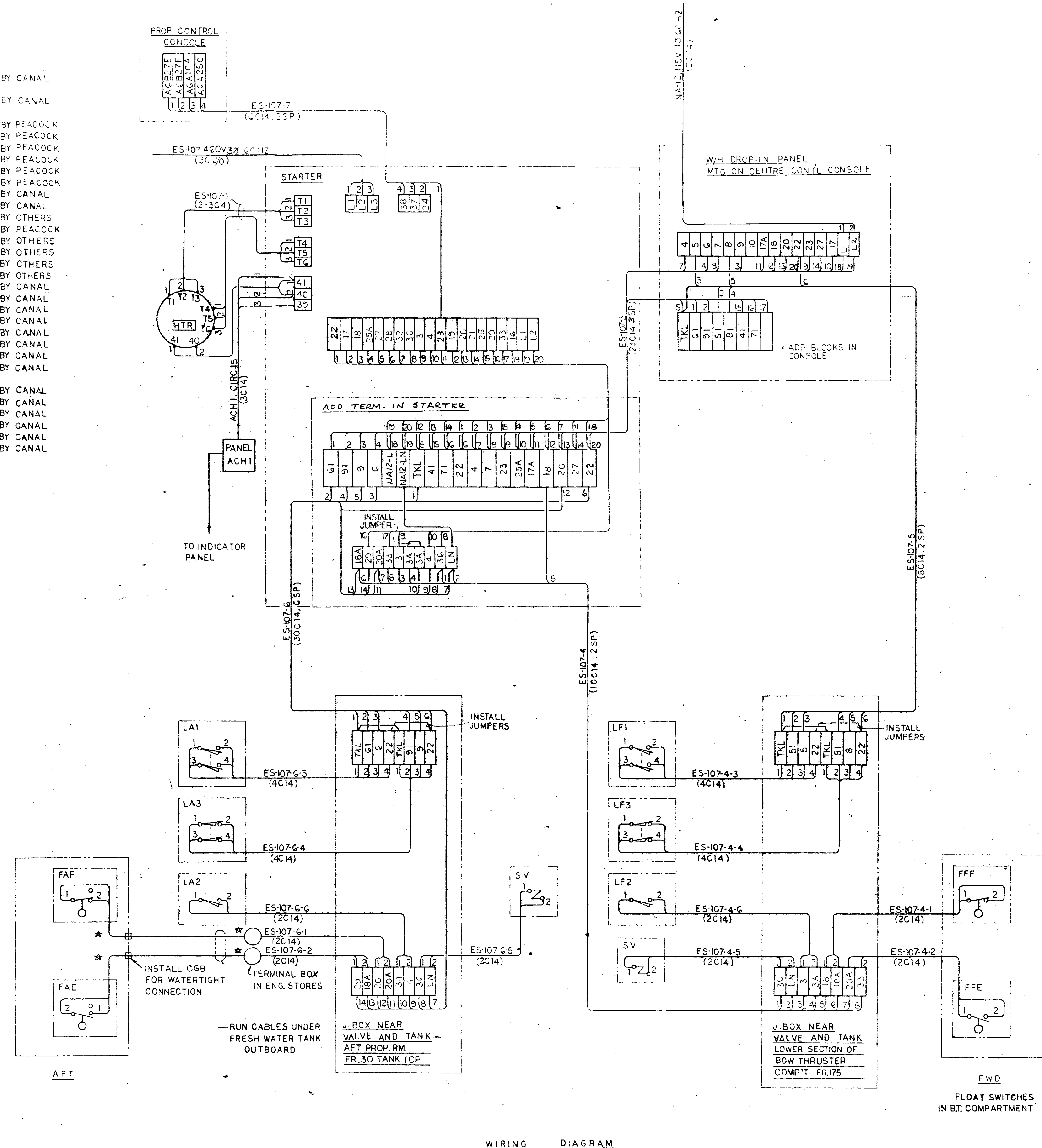
NOTE:
----- WIRES SUPPLIED BY OTHERS
FOR STARTER SEE DWG 68-E-15)

SCHEMATIC

LEGEND

MF + CONTACTS ON REVERSING MOTOR STARTER BY CANAL 3NC 1NC
MA + CONTACTS ON REVERSING MOTOR STARTER BY CANAL 3NC 1NC
LF1 + LIMIT SW FWD VALVE FULLY OPEN BY PEACOCK
LA1 + LIMIT SW AFT VALVE FULLY OPEN BY PEACOCK
LF3 + LIMIT SW FWD VALVE FULLY CLOSED BY PEACOCK
LA3 + LIMIT SW AFT VALVE FULLY CLOSED BY PEACOCK
LF2 + LIMIT SW FWD VALVE MID POSITION BY PEACOCK
LA2 + LIMIT SW AFT VALVE MID POSITION BY PEACOCK
RF + RELAY 3NO + 1NC BY CANAL
RA + RELAY 3NO + 1NC BY CANAL
OL + OVERLOAD RELAYS ON MA + MF BY OTHERS
S + SOLENOID OPERATED PNEUMATIC VALVES BY PEACOCK
FAF + AFT FLOAT SW FULL TANK BY OTHERS
FFA + FWD FLOAT SW EMPTY TANK BY OTHERS
FFE + FWD FLOAT SW FULL TANK BY OTHERS
FAE + AFT FLOAT SW EMPTY TANK BY OTHERS
LSE + LIGHT SYSTEM ENERGIZED BY CANAL
LFE + LIGHT PUMP FORWARD BY CANAL
LFA + LIGHT PUMP AFT BY CANAL
LFVO + LIGHT FWD VALVE OPEN BY CANAL
LAVO + LIGHT AFT VALVE OPEN BY CANAL
LFVC + LIGHT FWD VALVE CLOSED BY CANAL
LAVC + LIGHT AFT VALVE CLOSED BY CANAL
ON/OFF + ISOLATING SWITCH (INC ON DRG NO. 016403H85 & 095B3G23) BY CANAL
RSE + RELAY SYSTEM READY BY CANAL
PF + PUSH BUTTON "PUMP FWD" BY CANAL
PA + PUSH BUTTON "PUMP AFT" BY CANAL
PS + PUSH BUTTON "STOP" BY CANAL
DS + DIMMER SWITCH BY CANAL
LOS + LOCK-OUT STOP BY CANAL

* MIMIC LIGHTS
* SUPPLIED BY OTHERS
□ W/H DROP-IN PNL.
□ STARTER



WIRING DIAGRAM

REFERENCES		
No.	TITLE	DRG. No.
1	SCHEMATIC WIRING DIAGRAM FOR TRIMMING SYSTEM	68-E-15
2	ES-107-1 TRIMMING PUMP	68-E-15
3	MIMIC	68-E-15
ALTERATIONS		
REV.	DESCRIPTION	DATE
A	REVISED FAE & FFE NO. IN LINE	2/2/81 P.H.
B	ADDED STARTER TERM. NO.	26/9/81 P.H.
C	REVISED TERM. BLOCK - INFO. CENTER	
D	REVISED MAIN TO TOTAL	1/5/82 G.W.
E	LOCATED FLOAT SWITCH	2/2/82 G.W.
F	UPDATED TERM. BLOCK NO.	24/3/82 G.W.
G	DELETED J. BOX	24/3/82 G.W.
H	REV. CABLE ES-107-6 W/H DROP-IN PNL & TERM. 22 IN J. BOX	2/7/82 P.H.O.
I	UPDATED SCHEMATIC	1/10/82 G.W.
J	REVISED MIMIC TERM. BLOCKS	2/7/82 P.H.O.
K	AS BUILT	1/10/82 G.W.
L	ABOUT LAMPE LOCAL SYST. READY	26/8/81 S.G.
PRINT ISSUE		
GROUP	REVISIONS	
CUSTOMER	1	
INSPECTION	2	
OFFICE	3	
SUPERINTENDENT	4	
FIELD	5	
TOTAL	5	
DATE OF ISSUE	1/10/82	
APPROVALS		
D.S.S.	NOT	
30/4/81	2-7-81	
DRG. No. 68-E-19 (SHT. 1 OF 2)		
JOB: HULL 68 R CLASS ICEBREAKER TRIMMING SYSTEM SCHEMATIC AND WIRING DIAGRAM		
SCALE: 1" = 1' JOB No. 2023		
CUSTOMER: PORT WELLS DRY DOCKS		
DRAWN BY: P.H.O. DATE: AUG 21/1980		
CHECKED BY: APPROVED BY: [Signature]		
ELECTRICAL & MECHANICAL CONTRACTORS A DIVISION OF UPPER LAKES SHIPPING LTD. ST. CATHARINES, ONTARIO L2M 6T4 HAMILTON, ONTARIO L8E 3N9		