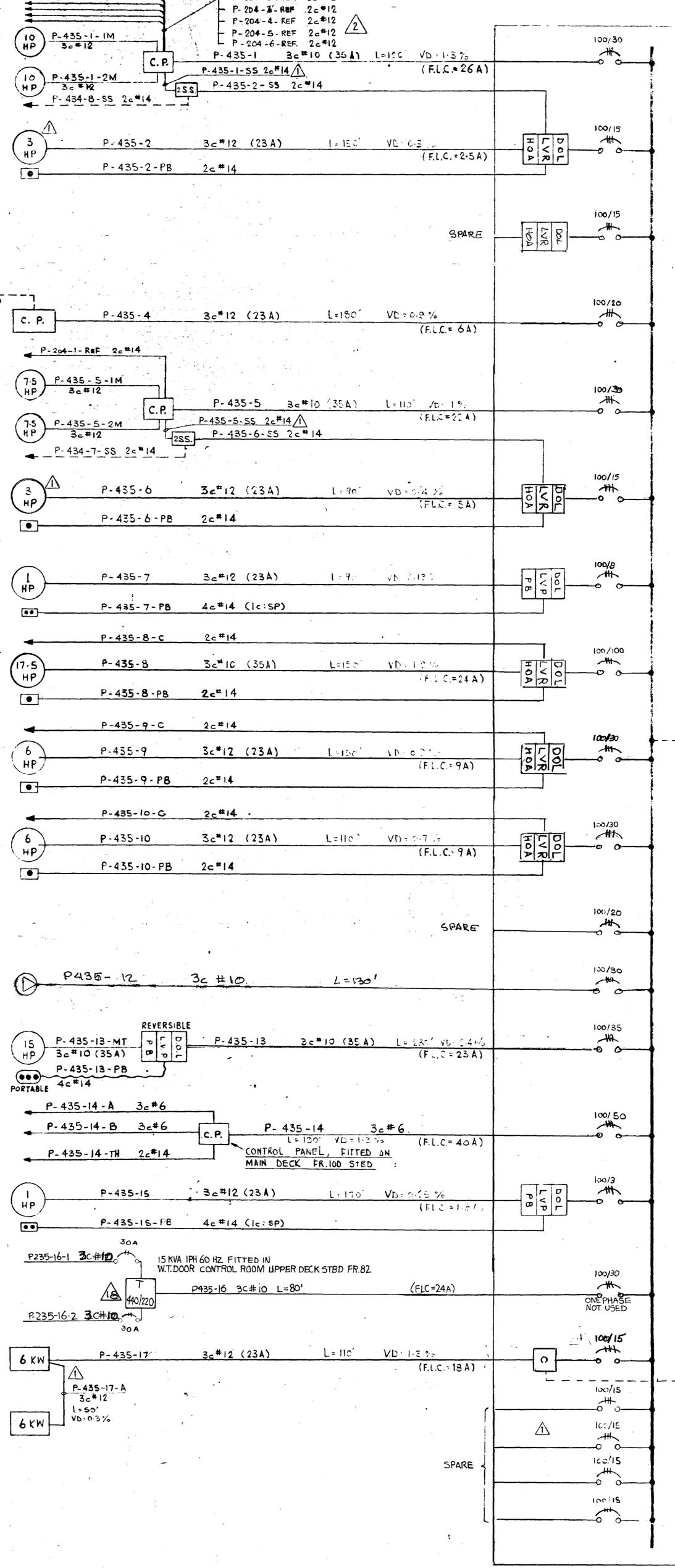


- TO UNIT COOLERS IN COLD ROOM, COOL ROOM, DAIRY-FRUIT ROOM, & POTATO ROOM (SEE SH# 41)
- DOMESTIC REFRIG. COMPRESSORS FITTED ON 17' FLAT FR. 43-PORT, PROP. MOTOR ROOM
- FROM MCC #7 (SEE SH#11)
- STBY DOMESTIC REFRIG. COMPRESSOR S.W. COOLING PUMP FITTED IN PROP. MOTOR ROOM FR.40-PORT INBD.
- TO SIMPLICITY (SEE DWG.#901-7)
- EVAPORATOR CONTROL PANEL FITTED ON 17' FLAT FR.121-PORT FWD. E/R
- TO UNIT COOLER IN CARGO REFRIG. COMPT.
- CARGO REFRIG. COMPRESSORS FITTED ON 17' FLAT FR. 43-STBD, PROP. MOTOR ROOM
- FROM MCC #7 (SEE SH#11)
- STBY CARGO REFRIG. COMPRESSOR S.W. COOLING PUMP FITTED IN PROP. MOTOR ROOM FR.40.-STBD
- BILGE PUMP-CHAIN LOCKER, IN BOSUN'S STORE-MAIN DECK.
- TO A/C COMPRESSOR-PLANT NO 2 & 3, FAN ROOM, FLIGHT & BOAT DECK
- AIR COND. S.W. COOLING PUMP-ACCOM. P.# S. FITTED IN FWD. E/R TANK TOP FR.101-PORT
- TO A/C COMPRESSOR-PLANT NO 4, FAN ROOM, MAIN DECK
- AIR COND. S.W. COOLING PUMP-ACCOM. FWD. FITTED IN FWD. E/R TANK TOP FR.103-PORT
- TO A/C COMPRESSOR-PLANT NO 5, FAN ROOM UPPER DECK
- AIR COND. S.W. COOLING PUMP-ACCOM. AFT. FITTED IN PROP. MOTOR ROOM, TANK TOP FR. 52-PORT
- RECEPTACLE FOR PORTABLE LABORATORY ON FLIGHT & BOAT DECK FR.65-PORT 440 VAC, 30, 60 AMP.
- SHAFT TURNING GEAR STBD. FITTED IN PROP. MOTOR ROOM, TANK TOP, FR.37-STBD.
- CALORIFIER IN CASING, MAIN DECK FR. 101, S.
 - HEATER # 1.
 - HEATER # 2.
 - THERMOSTAT.
- BILGE PUMP-STEERING GEAR COMPT
- DRYER IN OFFERS WASH ROOM UPPER DECK FR.116 STBD (24A, 220V)
- DRYER IN TECH. MACHINE CHANGE ROOM MAIN DECK FR.111 STBD (24A, 220V)
- ANTI-CONDENSATION HEATER FOR PROPULSION MOTOR, STBD.



440V-3PH-60HZ SUPPLY FROM MAIN SWBD. NON ESSENTIAL SECTION (SEE SH# 3)

P-435-2, P-435-5, P-435-6, P-435-7, P-435-8, P-435-9, P-435-10, P-435-12, P-435-13, P-435-14, P-435-15, P-435-16, P-435-17

TO PROPULSION CONTROL CONSOLE (SEE DWG.# 221 DOL-1 & 201-901-3)

PCC-32 4c#14

FITTED IN E/R (CONTROL ROOM)

NO	REVISION	BY	DATE
1	CABLE NO. 2 SPARE BREAKERS ADDED. CABLE SIZE, MODIFIED, T.B. REMOVED.	G. LEE	JAN. 67
2	DESIGNATION OF PUMP ON P-435-15 CHANGED. P-435-8 MOTOR SIZE CHANGED. P-204-2-REF, P-204-3-REF, P-204-4-REF, P-204-5-REF, P-204-6-REF & P-435-8 CABLE SIZE CHANGED. CHAIN LOCKER DRAIN PUMP RELOCATED. P-204-6-REF ADDED.	G. LEE	MAY 9, 1977
3	P-435-7 & 15 MOTOR SIZE CHANGED. P-435-3-CP DELETED.	G. LEE	AUG. 18, 1977
4	P-435-1-5 CABLE SIZE & SPEAKER SIZE INCREASED. VOLTAGE DROP DATA ADDED. P-435-12, DISCONNECT SWITCH AND T.B. REMOVED, SWITCHED RECEPT. ADDED. P-435-17, BREAKER SETTING SIZE CHANGED.	G. LEE	20/6/78
5	DRAWING MADE AS FITTED HULL 221	G. LEE	2/6/78
6	REVISOR AS FITTED	R.L.	25/12/4
7	REVISOR AS FITTED	R.L.	32/8/74
8	REVISION GENERAL	JDU	24/4/81

APPROVAL

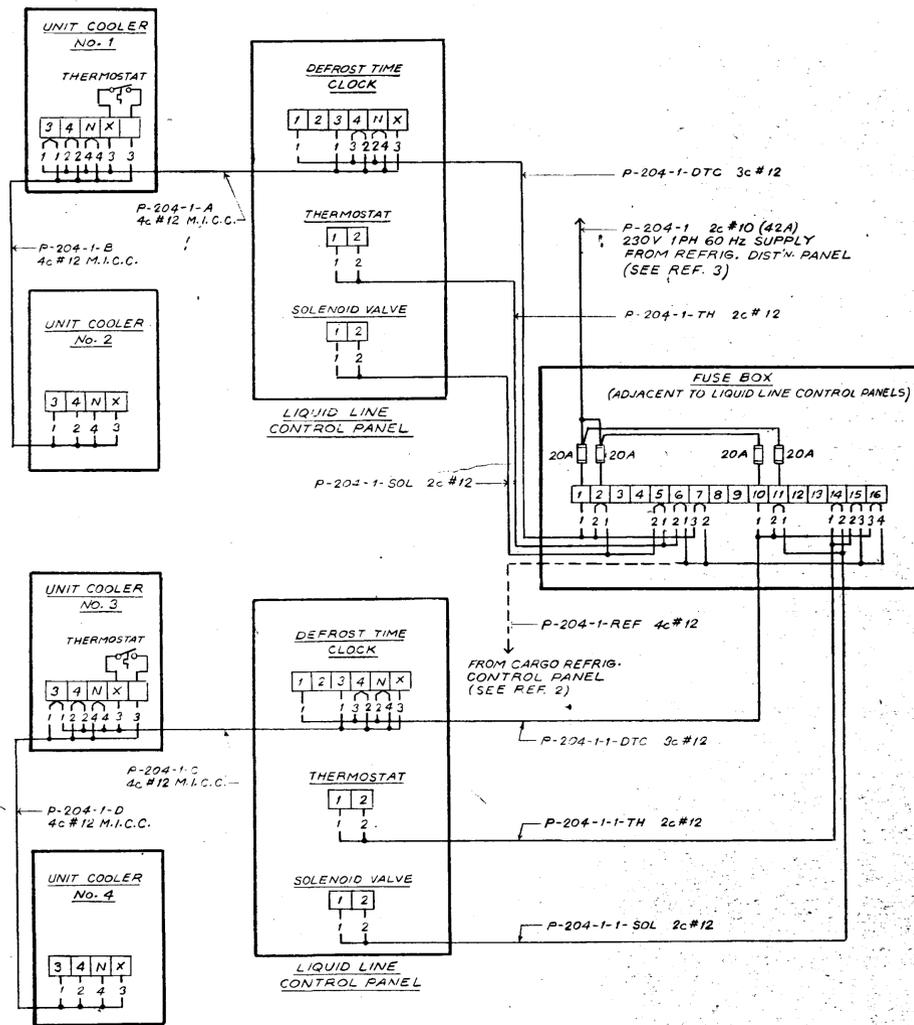
MOT. I. LENOX DEC 76 G.S.I. N. SUDJAKOV 29-11-76

DRAWN G.S. LEE CHECKED D.M. APPROVED DATE 5/3/76

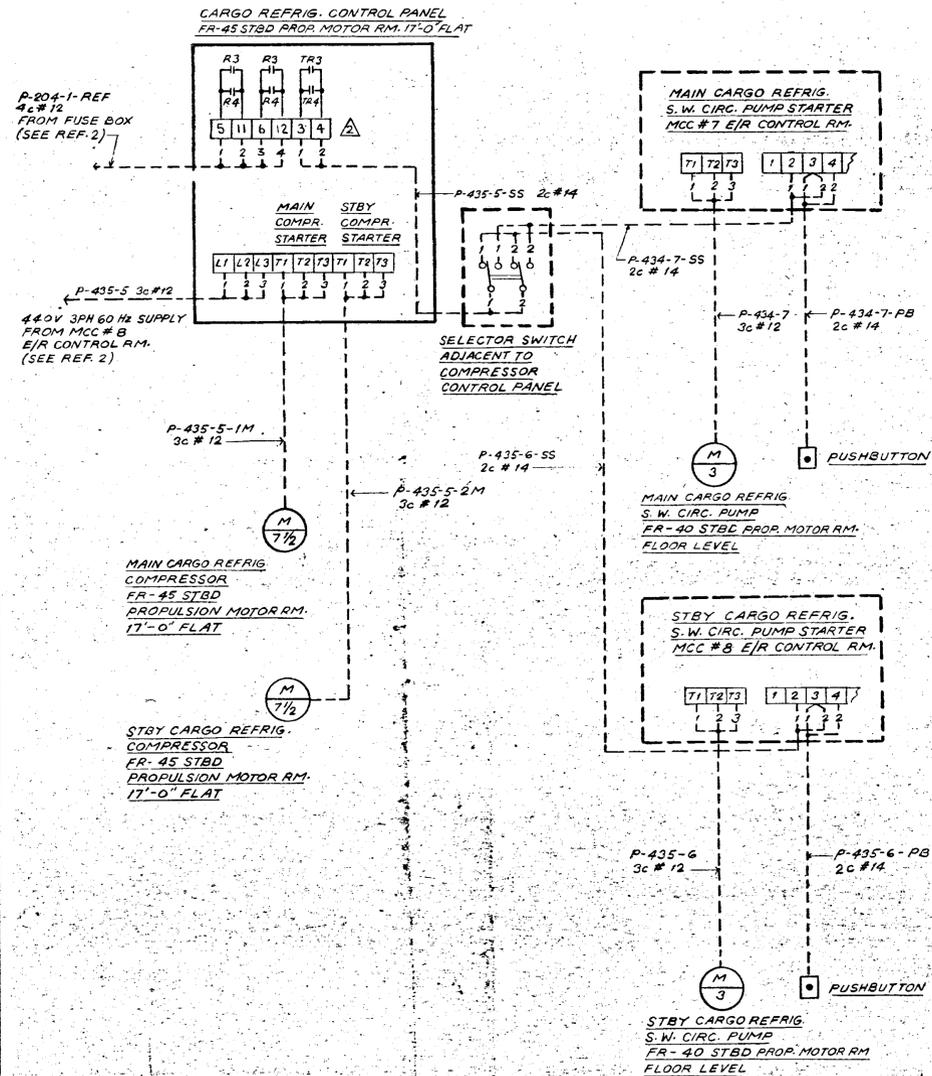
HULL NO. 221 DWG. NO. 900-8 SHEET # 12

NON-ESSENTIAL

M.C.C. No 8



REFRIG. CARGO ROOM
(FR. 21-30 &)



LIST OF MATERIAL

ITEM No.	SYMBOL	DESCRIPTION	QTY.	SUPPLIER	MANUF. TYPE	REQ. No.	REMARKS
1	—	SELECTOR SWITCH D.P. TWO POSITION	1	WESTINGHOUSE	—	221-900-443	
2	—	COMPRESSOR CONTROL PANEL	1	GALT	—	221-635-M11	
3	□	"STOP" STATION C/W 2-POSITION SELECTOR SWITCH, OULTIGHT	2	WESTINGHOUSE	—	221-900-E13	REQUISITIONED ON PWR SYSTEM
4	⊕	COMPRESSOR MOTOR, 440V 3 PH 7 1/2 HP AC	1	GALT	—	221-635-M11	
5	—	FUSE BOX C/W 4 X 20A FUSES & TERMINAL BLOCK	1	ISL	—	221-900-664	
6	⊕	S.W. PUMP MOTOR, 440V 3PH 3HP AC	2	GALT	—	221-635-M11	

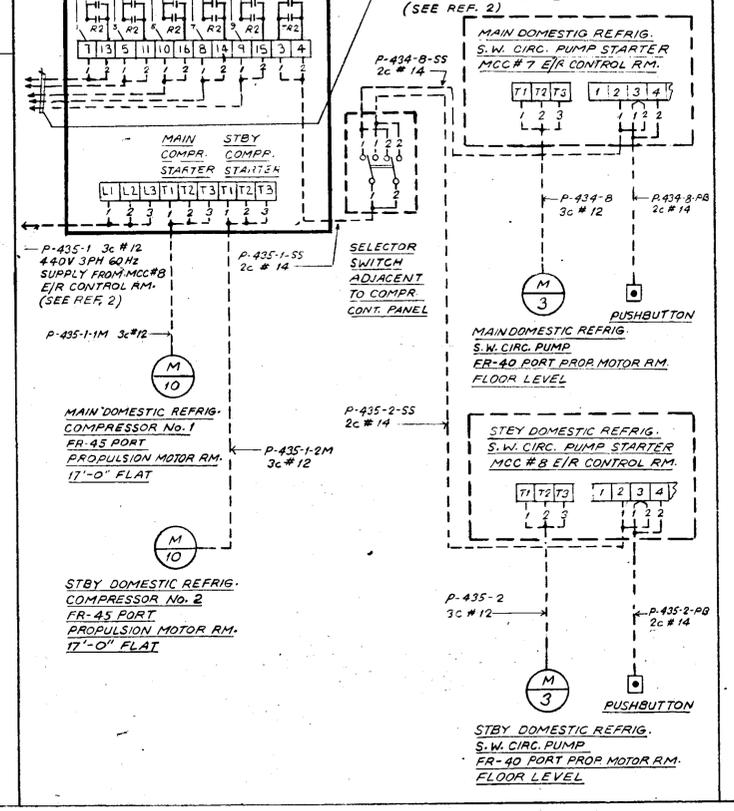
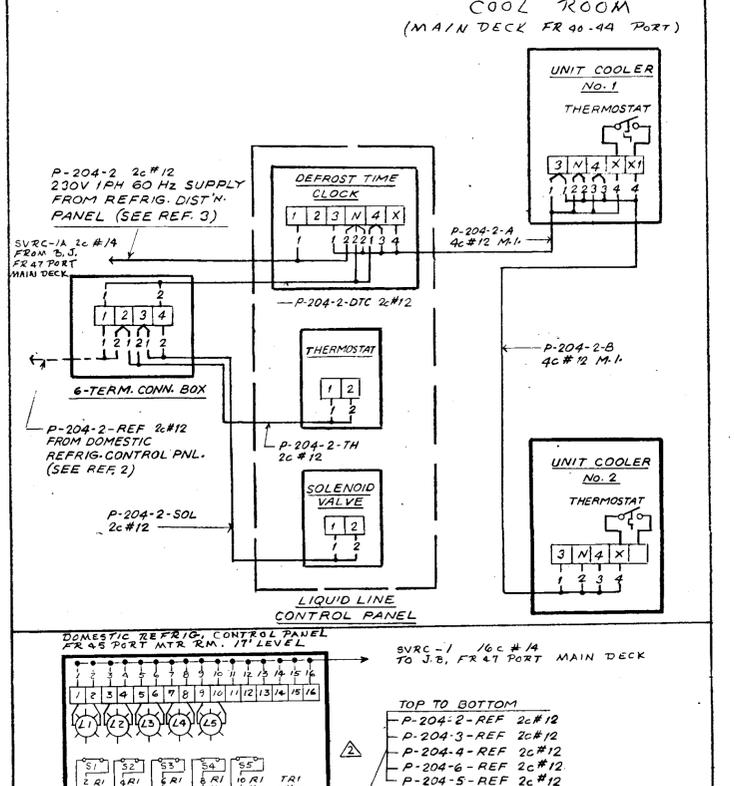
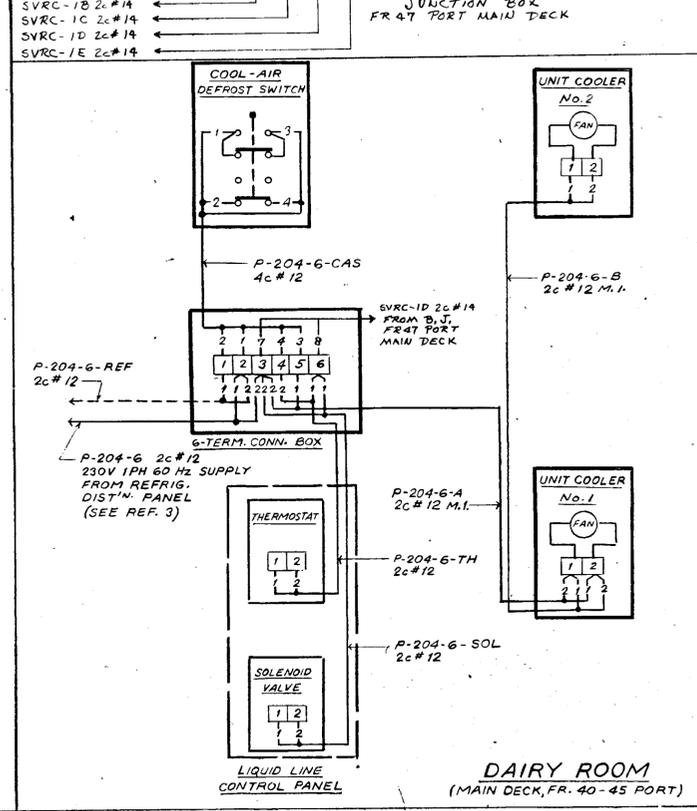
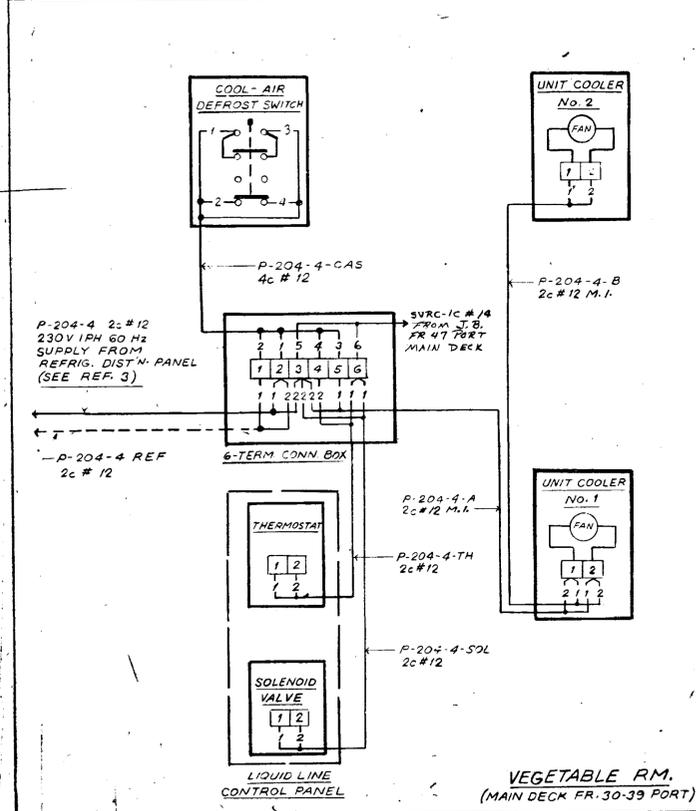
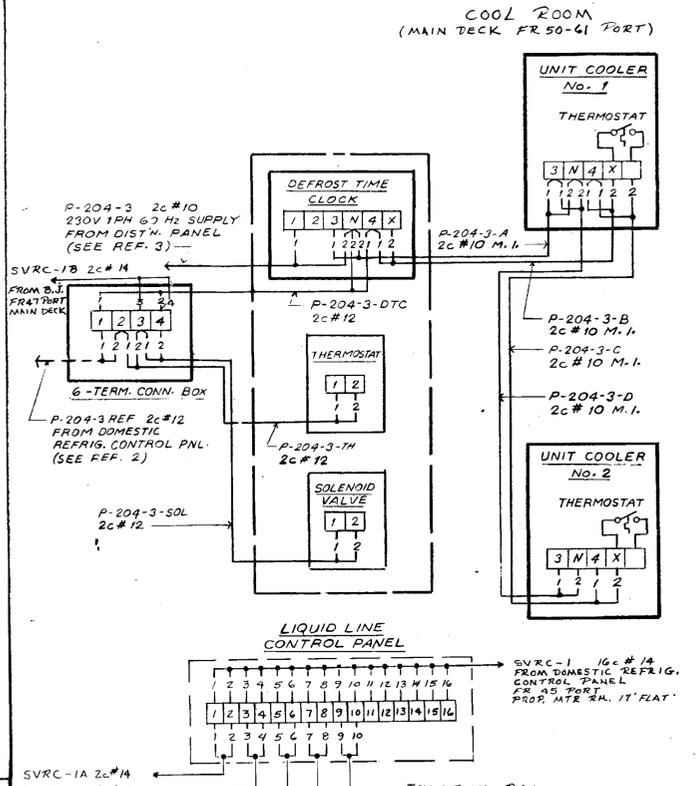
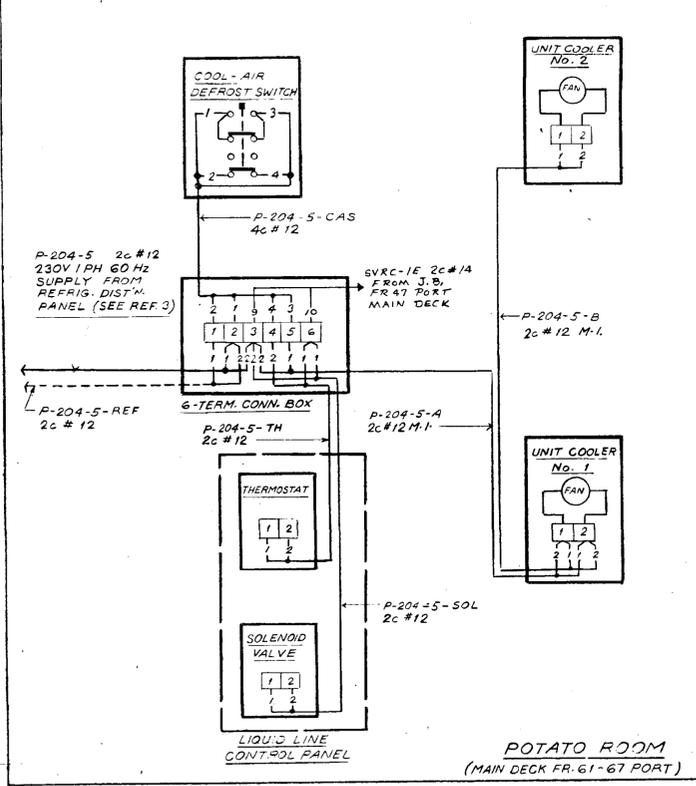
NOTES:

- CABLES TO UNIT COOLERS TO BE MINERAL INSULATED METAL SHEATHED. ALL OTHER CABLES ARE CROSS-LINKED POLYETHYLENE P.V.C. BRONZE BRAID ARMOUR.
- CABLES SHOWN ON THIS DRAWING ARE NOT SHOWN ON ANY ISOMETRIC OR DECK PLAN.
- FOR LOCATION OF EQUIPMENT, SEE REF. 4 & 5.
- CABLES INDICATED BY DOTTED LINES ARE SHOWN ON REF. 1, 2 & 3.

REFERENCE DRAWINGS

REF No.	TITLE	DRAWING No.
1	NON-ESSENTIAL MCC No. 7	221-900-8 SHT 11
2	NON-ESSENTIAL MCC No. 8	221-900-8 SHT 12
3	REFRIGERATION DISTRIBUTION PANEL	221-900-8 SHT 20
4	POWER SYSTEM DECK PLAN, MAIN DECK	221-900-4
5	MACHINERY ARRGT. PLAN, MOTOR RM. & 17'-0" FLAT	221-600-2 SHT 3
6	GALT EQUIPMENT ELECTRICAL DIAGRAM, CARGO	3288-12C-2
7	DOMESTIC & CARGO REFRIGERATION PIPING ARRGT.	221-635-2

DRAWING MADE AS FITTED	HULL 221	G. LEE	2/16/78
CARGO REFRIG CONTROL PANEL TERMINAL NUMBERS REVISED		N.W.	25/8/77
APPROVED BY OWNERS		J.R.P.	16/5/77
REVISION	BY	DATE	
REPRESENTY	DATE	REPRESENTY	DATE
M.O.	L.R.	C.S.I.	N. SIBSWORTH
			LLOYD E.B. MOBT
			13/4/77
			12/4/77
DRAWN	CHECKED	APPROVED	DATE
			6/4/77
HULL 221, DWG. No. 221-900-B-SHT. # 42			
SYSTEM			
CARGO REFRIGERATION SYSTEM, E.W.D.			



LIST OF MATERIAL						
ITEM NO.	SYMBOL	DESCRIPTION	QTY	SUPPLIER	MANUFACTURER TYPE	REMARKS
1	—	SELECTOR SWITCH D.P. TWO POSITION	1	WESTINGHOUSE		221-900-E40
2	—	COMPRESSOR CONTROL PANEL	1	GALT		221-635-M11
3	—	COOL-AIR, DEFROST SWITCH, D.P. TWO POSITION.	3	WESTINGHOUSE		221-900-E44
4	□	STOP STATION C/W 2-POSITION SELECTOR SWITCH OILTIGHT	2	WESTINGHOUSE		221-900-E12 REQUISITIONED ON PWR. SYSTEM
5	—	6 TERM. CONNECTION BOX, WATERTIGHT	5	HAMMOND	N414N4	221-910-E24
6	⊕	COMPRESSOR MOTOR, 440V 3PH 10HP AC	2	GALT		221-635-M11
7	⊕	S.W. PUMP MOTOR, 440V 3PH 3 HP AC	2	"		221-635-M11
8	—	UNIT COOLER FIELD KIT 230V-1PH-60 HZ	6	"		221-635-M11 TO CONVERT COOLER FROM 115V TO 230V
9	⊕	TOGGLE SWITCH 4 A. 240 V.	5	Mc. GILL		
10	⊕	TEMOIN LIGHT	5	WESTING HOUSE		

- NOTES:**
- CABLES TO UNIT COOLERS TO BE MINERAL INSULATED METAL SHEATHED. ALL OTHER CABLES ARE CROSS-LINKED POLYETHYLENE P.V.C. BRONZE BRAID ARMOUR.
 - CABLES SHOWN ON THIS DRAWING ARE NOT SHOWN ON ANY ISOMETRIC OR DECK PLAN.
 - FOR LOCATION OF EQUIPMENT, SEE REF. 4 & 5.
 - CABLES INDICATED BY DOTTED LINES ARE SHOWN ON REF. 1, 2 & 3.
 - SVRC: SOLENOID VALVE REMOTE CONTROL

REFERENCE DRAWINGS		
REF. NO.	TITLE	DRAWING No.
1	NON-ESSENTIAL MCC No. 7	221-900-8 SHT. 11
2	NON-ESSENTIAL MCC No. 8	221-900-8 SHT. 12
3	REFRIGERATION DISTRIBUTION PANEL	221-900-8 SHT. 20
4	POWER SYSTEM DECK PLAN, MAIN DECK	221-900-4 SHT. 4
5	MACHINERY ARRGT. PLAN, MOTOR RM. & 17'-0" FLAT	221-600-2 SHT. 3
6	GALT EQUIPMENT WIRING DIAGRAM, DOMESTIC	32-88-12C-1
7	DOMESTIC & CARGO REFRIGERATION PIPING ARRGT.	221-635-2

10	SOLENOID VALVE REMOT CONTROL ADDED	C.M.	8/18/78				
9	DRAWING MADE AS FITTED HULL 221	G LEE	6/6/78				
8	DOMESTIC REFRIG CONTROL PANEL TERMINAL NUMBERS ADDED	N.W.	25/8/77				
7	APPROVED BY OWNERS	JRP	16/5/77				
NO.		REVISION		BY		DATE	
APPROVALS		REPRESENTV. DATE	REPRESENTV. DATE				
M.O.T.	W.R.	29/4/77	C.S.I. N. SIGWORTH	13/4/77			
DRAWN		CHECKED	APPROVED	DATE			
JRP		G. E. Flaxstead	G. E. Flaxstead	21/3/77			
HULL-221 DWG. No. 221-900-8 SHT. #41							
SYSTEM: DOMESTIC REFRIGERATION SYSTEM, E.W.D.							