

230 VOLT - GALLEY PANEL P1 - 3 PHASE			
NO.	DESCRIPTION	AMPS.	
1	VENTILATION SYSTEM SUPPLY FAN	6	
2	TOASTER	12.2	
3	SPARE	-	
4	SPARE	-	
AB CA BC			
1	1.9	1.9	1.9
2	12.2	-	-
3	-	-	-
4	-	-	-
	14.1	1.9	1.9

230 VOLT - DIST. PANEL P13 - HEATER H1 - 3 PHASE					
NO.	DESCRIPTION	AMPS			
1	WHEELHOUSE - PORT	13			
2	WHEELHOUSE - MIDSHIP / AFT	4.3			
3	GALLEY	8.7			
4	MESS	8.7			
5	WHEELHOUSE - STBD	13			
6	SHIP'S OFFICE	3.3			
7	SPARE	-			
8	SPARE	-			
AB CA BC					
1	13	3	8.7	5	13
2	4.3	4	8.7	6	3.3
7	-	8	-	-	-
	17.3	17.4	-	16.3	-

230 V. 60 H. 3 φ . SWITCH BOARD DISTRIBUTION				
CIRCUIT NO.	DESCRIPTION	AMPS.		
P1	DISTRIBUTION PANEL - GALLEY	18.2		
P2	DISTRIBUTION PANEL - NON-ESS. ENGINE ROOM	79.9		
P3	MOTOR CONTROL CENTRE	85.2		
P4	STEERING GEAR UNIT NO.1	9.0		
P5	STEERING GEAR UNIT NO.2	9.0		
P6	PORT SEARCHLIGHT	2.5		
P7	STBD SEARCHLIGHT	2.5		
P8	BILGE / FIRE PUMP	26.4		
P9	ANCHOR WINDLASS	36.4		
P10	ELECTRIC RANGE	46.5		
P11	UNIT HEATERS - ENGINE ROOM	25.1		
P12	PRE HEATER - ACCOMMODATION	41.5		
P13	DIST. PANEL - HEATERS H-1, MAIN DK / MIDSHIP	17.4		
P14	DIST. PANEL - HEATERS H-2, FWD UP / LOWER DK.	36.0		
P15	LAUNDRY DRIVER	23.0		
P16	TRANSFORMERS - 15 KVA x3 230 / 115 VOLT	73.1		
P17	EMERGENCY PANEL E1 - BATTERY CHARGER	5.7		
P18	EMERGENCY PANEL E2 - BATTERY CHARGER	5.7		
P19	SPARE	-		
P20	SPARE	-		
AB CA BC				
P1	6.0	18.2	6.0	
P2	79.9	60.4	79.9	
P3	85.2	85.2	85.2	
P4	9.0	9.0	9.0	
P5	9.0	9.0	9.0	
P6	2.5	2.5	2.5	
P7	2.5	2.5	2.5	
P8	26.4	26.4	26.4	
P9	36.4	36.4	36.4	
P10	46.5	46.5	46.5	
P11	25.1	25.1	25.1	
P12	11.5	41.5	41.5	
P13	17.3	17.4	16.3	
P14	33.4	41.9	33.4	
P15	-	23.0	-	
P16	74.9	53.6	51.8	
P17	5.7	-	-	
P18	-	-	5.7	
P19	SPARE	-	-	
P20	SPARE	-	-	
TOTAL CONN. LOAD	471.3	498.6	477.2	

230 VOLT - ENGINE ROOM PANEL P2 - 3 PHASE			
NO.	DESCRIPTION	AMPS.	
1	HOT WATER TANK NO.1	19.5	
2	HOT WATER TANK NO.2	19.5	
3	WATER MAKER	16	
4	ENGINE BLOCK HEATER	15	
5	STEERING GEAR COMP'T HEATER	13	
6	SPARE	-	
7	LAUNDRY AREA HEATER	3.2	
8	BOSN WORKSHOP HEATER	3.2	
9	IMMERSION SUIT LOCKER HEATER	5	
10	WET GEAR LOCKER HEATER	5	
11	SPARE	-	
12	SPARE	-	
AB CA BC			
1	19.5	-	-
2	-	-	19.5
3	16	16	16
4	15	15	15
5	13	13	13
6	-	-	-
7	3.2	3.2	3.2
8	3.2	3.2	3.2
9	5	5	5
10	5	5	5
11	-	-	-
12	-	-	-
	79.9	60.4	79.9

230 VOLT - DIST. PANEL P14 - HEATERS H2 - 3 PHASE					
NO.	DESCRIPTION	AMPS.			
1	SUPERIN ACCOMMODATION - MIDSHIP	8.7			
2	CREW'S CABINS - PORT	8.6			
3	MASTER'S CABIN	4.3			
4	CHIEF ENG. CABIN	4.3			
5	WASHROOMS P&S	4.3			
6					
7	CREW'S CABINS - STBD	8.6			
8	PAINT AND DECK LOCKER	3.2			
9	TRANSDUCER COMP'T	7.6			
10	BOW THRUSTER COMP'T	7.6			
11	SPARE	-			
12	SPARE	-			
AB CA AC					
1	8.7	2	8.6	3	4.3
5	4.3	4	4.3		
		8	3.2	7	8.6
9	7.6		7.6		7.6
10	7.6		7.6		7.6
11	-		-		-
12	-		-		-
	28.2		31.30		28.1

Materials / Parts List		
No.	Quantity	Description


Government of Canada Fisheries and Oceans
 Ship Branch Ottawa

PROJECT
FPV. ARROW POST

DRAWING
 ELECTRIC CIRCUIT & BALANCE CALCULATIONS - 240 V. 120 V.

date: JULY/92 scale: N.T.S. dwg no: H93-105
 drawn by: M.F. checked by: R.D. sheet 1 of 2
 revision no.: B.

Canada



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