

PIPE LIST				
PIPE NO	PURPOSE	BORETHICK	LAPWELD S.D. OR MATERIAL	TEST PRESS
1	BILGE SUCTION BOILER ROOM PORT.	2 1/2	STEEL	
2	" " " " STARS	2 1/2	STEEL	
3	" " " " OILY BILGE PORT	2 1/2	STEEL	
4	" " " " STARS	2 1/2	STEEL	
5	" " " " BOILER ROOM STARS	2 1/2	STEEL	
6	" " " " FROM BOILER ROOM	2 1/2	STEEL	
7	" " " " COFFERDAM	2 1/2	STEEL	
8	" " " " BOILER ROOM & COFFERDAM	2 1/2	STEEL	
9	" " " " " " " " " "	2 1/2	STEEL	
10	AFT M.E. BILGE PUMP SUCTION	2 1/2	STEEL	
11	BILGE MAIN	2 1/2	STEEL	
12	G.S. PUMPS SUCTION FROM BILGE MAIN	2 1/2	STEEL	
13	BILGE SUCTION E.R. WELL	2 1/2	STEEL	
14	G.S. PUMPS SUCTION INDEPT. BILGE ENG. R	2 1/2	STEEL	
15	" " " " " " BLR R	2 1/2	STEEL	
16	BILGE INJECTION, CIRCULAT. PUMP SUCT	2 1/2	STEEL	
20	BALLAST G.S. PUMPS SUCTION FROM AFT PEAK	2 1/2	STEEL	
21	" " " " DISCHARGE TO " " "	2 1/2	STEEL	
22	SUCTION G.S. & AFT FEED PUMPS FROM D.B. TANK	2 1/2	STEEL	
23	" " " " AFT FEED PUMP FROM D.B. TANK	2 1/2	STEEL	
24	" " " " F.W. PUMP FROM PORT FRESH WATER TANK	2 1/2	STEEL	
25	" " " " " " STARS	2 1/2	STEEL	
26	" " " " " " FRESH WATER TANKS	2 1/2	STEEL	

PIPE LIST (CONTINUED)				
PIPE NO	PURPOSE	BORETHICK	LAPWELD S.D. OR MATERIAL	TEST PRESS
200	WASTE STY. FROM EACH BOILER	2 3/4	STEEL	
201	" " " " BOILERS COMBINED	2 3/4	STEEL	
220	EXHAUST FROM DECK & AUXILIARIES	4 1/2	STEEL	
223	" " " " AFT WINCH	2 1/2	STEEL	
224	" " " " STEERING ENGINE	1 1/2	STEEL	
226	" " " " EACH DYNAMO	2 1/2	STEEL	
227	" " " " DYNAMOS COMBINED	2 1/2	STEEL	
230	" " " " EACH FAN ENGINE	1 1/2	STEEL	
233	" " " " REVERSING ENG. TO COND.	1 1/2	STEEL	
250	" " " " G.S. PUMPS	1 1/2	STEEL	
252	" " " " INDEPT. FEED PUMPS	1 1/2	STEEL	
253	" " " " FRESH WATER PUMP	1 1/2	STEEL	
254	" " " " AUX. AIR PUMP	1 1/2	STEEL	
258	" " " " BURNER PUMP	1 1/2	STEEL	
259	" " " " PUMPS COMB.	1 1/2	STEEL	
272	" " " " TO FEED HEATER	3 1/2	STEEL	
273	" " " " L.P. RECEIVER	3 1/2	STEEL	
274	" " " " ATMOSPHERE	4 1/2	STEEL	
280	RETURN FROM O.F. HEATING SETT. TKS & BUNKER	1 1/2	STEEL	
281	" " " " " " " " " "	1 1/2	STEEL	
282	" " " " " " O.B. TANK	3 1/2	STEEL	
282A	" " " " " " " " P	3 1/2	STEEL	
282B	" " " " " " " " S	3 1/2	STEEL	
283	" " " " " " " " " " " "	1 1/2	STEEL	
284	" " " " " " " " " " " "	1 1/2	STEEL	
285	" " " " " " " " " " " "	1 1/2	STEEL	
286	" " " " " " " " " " " "	1 1/2	STEEL	
287	" " " " " " " " " " " "	1 1/2	STEEL	
288	EXHAUST " " STARS & FAN & BURNER PUMPS	1 1/2	STEEL	
289	" " " " " " BOILER ROOM AUX.	1 1/2	STEEL	
290	" " " " " " DYNAMOS STEERING ENG. & AFT	2 3/4	STEEL	
291	" " " " " " " " & STEERING ENG. TO COND.	2 3/4	STEEL	
292	" " " " " " " " ETC	2 3/4	STEEL	
293	" " " " " " FEED PUMPS & F.W. PUMP	1 1/2	STEEL	
294	" " " " " " FEED PUMPS F.W. PUMP & BILGE	1 1/2	STEEL	
296	VAPOUR " " OBSERVATION TK. TO ATMOS.	1 1/2	STEEL	

PIPE LIST (CONTINUED)				
PIPE NO	PURPOSE	BORETHICK	LAPWELD S.D. OR MATERIAL	TEST PRESS
400	DISCHARGE MAIN FEED TO EACH BOILER	1 1/2	STEEL	
403	" " " " FEED PUMPS TO HEATER	1 1/2	STEEL	
404	" " " " FEED HTR. TO DISTRIBUTION CHEST	1 1/2	STEEL	
410	" " " " AUX. FEED TO EACH BOILER	1 1/2	STEEL	
416	" " " " " " BOILERS (COMB.)	1 1/2	STEEL	
422	" " " " " " OBSERVATION TANK	1 1/2	STEEL	
423	" " " " " " FOR INDEPT. FEED PUMP TO CHEST	1 1/2	STEEL	
440	" " " " " " AFT " " " "	1 1/2	STEEL	
446	" " " " " " TO MAIN ENG. WATERSERVICE	1 1/2	STEEL	
451	" " " " " " REFRIG. PUMP TO REFRIG. COND.	1 1/2	STEEL	
452	" " " " " " FORWARD INDEPT. FEED PUMP O'BOARD	1 1/2	STEEL	
453	" " " " " " REFRIG. CONDENSER O'BOARD	1 1/2	STEEL	
455	" " " " " " MAIN CIRCULATING OVERBOARD	1 1/2	STEEL	
456	" " " " " " G.S. PUMPS OVERBOARD	1 1/2	STEEL	
457	" " " " " " FORWARD M.E. BILGE PUMP TO DECK	1 1/2	STEEL	
457A	" " " " " " FORWARD M.E. " " " "	1 1/2	STEEL	
458	" " " " " " AFT " " " "	1 1/2	STEEL	
459	" " " " " " BILGE PUMPS OVERBOARD	1 1/2	STEEL	
460	" " " " " " FORWARD G.S. PUMP TO CHEST	1 1/2	STEEL	
461	" " " " " " AFT " " " "	1 1/2	STEEL	
462	" " " " " " G.S. PUMPS TO DECK ETC.	1 1/2	STEEL	
463	" " " " " " " " TO BLR. ROOM HOSE VALVE	1 1/2	STEEL	
464	" " " " " " " " & M.E. BILGE PUMP TO DECK	1 1/2	STEEL	
465	" " " " " " FRESH WATER PUMP TO TANK	1 1/2	STEEL	
470	" " " " " " G.S. PUMPS TO CONDENSER	1 1/2	STEEL	
471	" " " " " " AFT G.S. PUMP TO REFRIG. COND.	1 1/2	STEEL	
474	" " " " " " CHLORIDIER ESCAPE TO BILGE	1 1/2	STEEL	

PIPE LIST (CONTINUED)				
PIPE NO	PURPOSE	BORETHICK	LAPWELD S.D. OR MATERIAL	TEST PRESS
800	OIL FUEL FILLING	2 1/2	STEEL	
801	" " " " SUCTION OR FILLING CROSS BUNKER	2 1/2	STEEL	
802	" " " " " " " " O.B. TANK	2 1/2	STEEL	
803	" " " " " " " " O.B. TANK PORT	2 1/2	STEEL	
804	" " " " " " " " " " STARS	2 1/2	STEEL	
805	" " " " " " " " BURNER PUMPS	2 1/2	STEEL	
806	" " " " " " " " BURNER PUMPS TRANSFER SUCTION	2 1/2	STEEL	
807	" " " " " " " " EACH BURNER PUMP TRANSFER SUCTION	2 1/2	STEEL	
808	" " " " " " " " OIL FUEL HIGH SUCTION FROM SETT. TANK	2 1/2	STEEL	
809	" " " " " " " " " " S	2 1/2	STEEL	
810	" " " " " " " " SETT. TKS TO STRAINER	2 1/2	STEEL	
811	" " " " " " " " SUCTION FROM STRAINER	2 1/2	STEEL	
812	" " " " " " " " PORT	2 1/2	STEEL	
813	" " " " " " " " STARS	2 1/2	STEEL	
814	" " " " " " " " LIGHTING UP HAND PUMP SUCTION	2 1/2	STEEL	
815	" " " " " " " " PORT BURNER PUMP DISCH. TO SETT. TKS	2 1/2	STEEL	
816	" " " " " " " " STARS	2 1/2	STEEL	
817	" " " " " " " " BURNER PUMPS DISCH. TO SETT. TKS	2 1/2	STEEL	
818	" " " " " " " " O.F. DISCH. TO BURNERS FR. A. BURNER PUMP	2 1/2	STEEL	
820	" " " " " " " " " " BURNER PUMPS	2 1/2	STEEL	
821	" " " " " " " " ON PORT BOILER	2 1/2	STEEL	
822	" " " " " " " " STARS	2 1/2	STEEL	
823	" " " " " " " " OIL FUEL CIRCULATING RETURN PORT BLR	2 1/2	STEEL	
824	" " " " " " " " STARS	2 1/2	STEEL	
825	" " " " " " " " FROM BOILERS	2 1/2	STEEL	
826	" " " " " " " " DISCHARGE TO EACH BURNER	2 1/2	STEEL	
827	" " " " " " " " LIGHTING UP HAND PUMP DISCH. TO HTR.	2 1/2	STEEL	
828	" " " " " " " " HEATER DISCH. TO BURNERS	2 1/2	STEEL	
829	" " " " " " " " " " PORT BLR	2 1/2	STEEL	
830	" " " " " " " " STARS	2 1/2	STEEL	
831	" " " " " " " " PRESS GAUGE	2 1/2	STEEL	
832	" " " " " " " " OIL FUEL LOW SUCTION FR. A. SETT. TANK	2 1/2	STEEL	
833	" " " " " " " " " " S	2 1/2	STEEL	

Requirements of Section 200 Cl. 6 Para. (a) & (b) to be complied with as regards the thickness of oil fuel pressure pipes and the test pressures of oil fuel pipes.

AUXILIARY CONNECTIONS				
REMARKS	MAKERS	EXHAUST TO	DISCHARGES TO	WORKED BY HAND
AUXILIARIES ETC. (WHISTLE IS ORIGIN)				
OIL FUEL LIGHTING UP				
OIL FUEL LIGHTING UP				
HEATER DISCH. TO BURNERS				
OIL FUEL PRESS. GAUGE				
ROUTED ON WHEELS				

PIPE LIST (CONTINUED)				
PIPE NO	PURPOSE	BORETHICK	LAPWELD S.D. OR MATERIAL	TEST PRESS
100	MAIN STEAM FROM PORT BOILER	4 1/2	STEEL	
101	" " " " STARS	4 1/2	STEEL	
102	" " " " BOILERS COMBINED	4 1/2	STEEL	
110	AUXILIARY STEAM FROM PORT BOILER	3 1/2	STEEL	
111	" " " " " " STARS	3 1/2	STEEL	
114	STEAM TO DECK OR FROM SHORE	3 1/2	STEEL	
115	AUXILIARY STEAM TO ENGINE ROOM	3 1/2	STEEL	
116	" " " " " " BOILER ROOM	3 1/2	STEEL	
121	STEAM TO AFT WINCH	1 1/2	STEEL	
124	" " " " STEERING ENGINE	1 1/2	STEEL	
126	" " " " DYNAMOS	2 1/2	STEEL	
128	" " " " EACH DYNAMO	1 1/2	STEEL	
130	" " " " FAN ENGINES	7/8	STEEL	
133	" " " " REVERSING ENGINE	7/8	STEEL	
140	" " " " STARTING VALVE & REVERSING ENG.	2 1/2	STEEL	
141	" " " " WHISTLE	2 1/2	STEEL	
150	" " " " G.S. PUMPS	1 1/2	STEEL	
152	" " " " INDEPT. FEED PUMPS (CONTROLLED)	3 1/2	STEEL	
153	" " " " FORWARD FEED PUMP	3 1/2	STEEL	
154	" " " " AFT	3 1/2	STEEL	
156	" " " " FRESH WATER PUMP	3 1/2	STEEL	
157	" " " " AUX. AIR PUMP	3 1/2	STEEL	
158	" " " " CHLORIDIER	1 1/2	STEEL	
159	" " " " OIL FUEL UNITS	1 1/2	STEEL	
170	" " " " E.R. AUX. COMBINED	2 1/2	STEEL	
171	" " " " FEED PUMPS & F.W. PUMP	1 1/2	STEEL	
172	" " " " CHLORIDIER & FEED PUMPS	1 1/2	STEEL	
173	" " " " FEED PUMPS DIRECT	1 1/2	STEEL	
175	" " " " BOILER ROOM AUXILIARIES	1 1/2	STEEL	
180	" " " " OIL FUEL HEATING	1 1/2	STEEL	
181	" " " " " " SETT. TKS & BUNKER	1 1/2	STEEL	
182	" " " " " " O.B. TANK	3 1/2	STEEL	
183	" " " " " " O.B. " P	3 1/2	STEEL	
184	" " " " " " " " S	3 1/2	STEEL	
185	" " " " " " " " " " " "	1 1/2	STEEL	
186	" " " " " " " " " " " "	1 1/2	STEEL	
187	" " " " " " " " " " " "	1 1/2	STEEL	
188	" " " " " " " " " " " "	1 1/2	STEEL	
189	" " " " " " " " " " " "	1 1/2	STEEL	
190	" " " " " " " " " " " "	1 1/2	STEEL	
191	" " " " " " " " " " " "	1 1/2	STEEL	
192	" " " " " " " " " " " "	1 1/2	STEEL	
193	" " " " " " " " " " " "	1 1/2	STEEL	
194	" " " " " " " " " " " "	1 1/2	STEEL	
195	" " " " " " " " " " " "	1 1/2	STEEL	

PIPE LIST (CONTINUED)				
PIPE NO	PURPOSE	BORETHICK	LAPWELD S.D. OR MATERIAL	TEST PRESS
300	BLOW OFF FROM STARS BOILER	1 1/2	STEEL	
306	" " " " BOILERS TO SEA	1 1/2	STEEL	
310	SCUM FROM EACH BOILER	1 1/2	STEEL	
320	SUCTION FORWARD FEED PUMP FROM CHEST	2 1/2	STEEL	
321	" " " " AFT	2 1/2	STEEL	
322	" " " " FEED PUMPS FROM FILTER TANK	2 1/2	STEEL	
322A	" " " " FORWARD FEED PUMP FR. " "	2 1/2	STEEL	
322B	" " " " " " " " " "	2 1/2	STEEL	
323	" " " " FEED PUMPS FROM CONDENSER	1 1/2	STEEL	
324	" " " " CONDENSER DRAIN TO FILTER TK. DIRECT	2 1/2	STEEL	
327	" " " " HOTWELL DRAIN TO FILTER TANK CHEST	3 1/2	STEEL	
328	" " " " FILTER TANK OUTLET TO CHEST	3 1/2	STEEL	
329	" " " " AUX. AIR PUMP SUCTION	3 1/2	STEEL	
332	" " " " SUCTION FORWARD FEED PUMP FROM BOILERS	1 1/2	STEEL	
333	" " " " AIR PIPE FOR AUX. AIR PUMP	3 1/2	STEEL	
334	" " " " CONDENSATE FROM AUX. AIR PUMP	3 1/2	STEEL	
335	" " " " SUPPLEMENTARY FEED	3 1/2	STEEL	
350	" " " " SUCTION G.S. PUMPS & REFRIG. FROM SEA	4 1/2	STEEL	
351	" " " " REFRIG. PUMP FROM SEA	1 1/2	STEEL	
355	" " " " CIRCULATING PUMP FROM SEA	6 1/2	STEEL	
357	" " " " FORWARD M.E. BILGE PUMP FROM SEA	2 1/2	STEEL	
360	" " " " FORWARD G.S. PUMP FROM BILGES ETC.	3 1/2	STEEL	
361	" " " " AFT	3 1/2	STEEL	
362	" " " " " " CHESTS	4 1/2	STEEL	
363	" " " " AFT	4 1/2	STEEL	
366	" " " " BOILER ROOM WATERSERVICE FR. SEA	2 1/2	STEEL	

PIPE LIST (CONTINUED)					TEST PRESS.
PIPE NO	PURPOSE	BORETHICK	LAPWELD S.D. OR BARZED MATERIAL	TEST PRESS.	
480	DRAIN FROM MAIN BOILER SAFETY VALVES	3 1/2	16 W S D COPPER	150	
481	" " " " WASTE STEAM PIPE	3 1/2	" " "	"	
481A	" " " " SAFETY VALVES & WASTE COMB.	3 1/2	" " "	"	
482	" " " " STOP VALVES & BLR. ROOM AUX. COMB.	3 1/2	" " "	"	
483	" " " " MAIN STOP VALVE ON BOILER	1 1/2	" " "	"	
484	" " " " " " AUX.	1 1/2	" " "	"	
485	" " " " " " MAIN & AUX. STOP VALVES COMB.	1 1/2	" " "	"	
485A	" "				



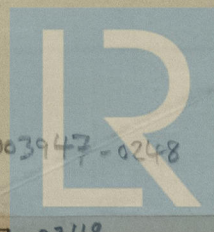
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D. Rowan & Co

6.11.01

Pipe List  
(Sh. 14)

"Airsprite"  
GLASGOW REPORT No. 66613



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003937-003947-0248

003937-003947-0248