

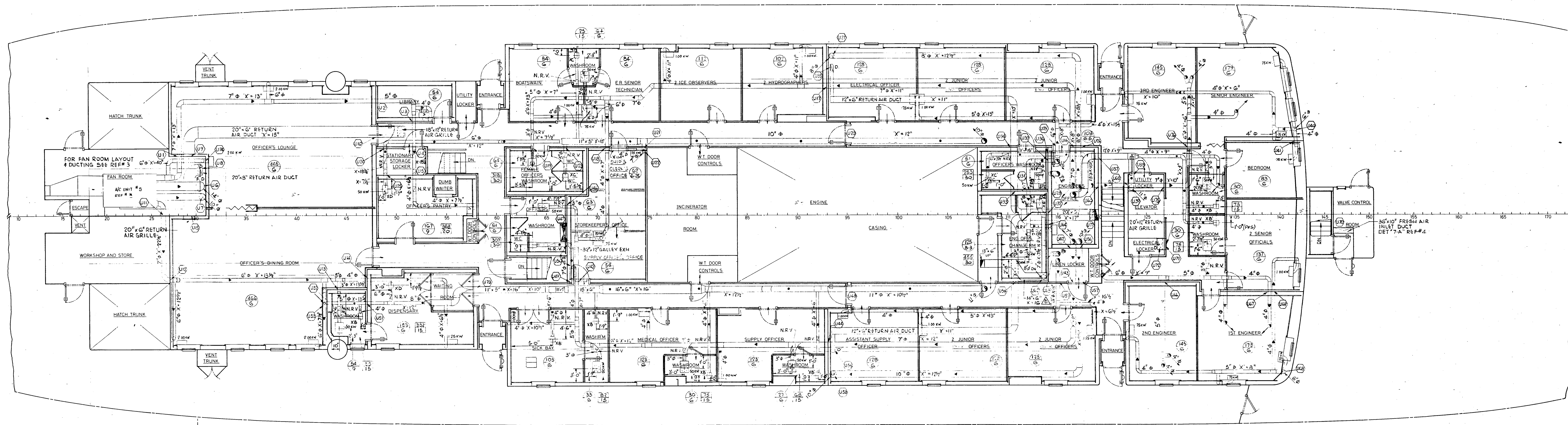
0 1 2 3 4 5 6 7 8 9 10 INCHES

0 1 2 3 4 5 6 7 8 9 10 INCHES

KEY TO SYMBOLS

- ROUND DUCT UP THROUGH DECK
- ROUND DUCT DOWN THROUGH DECK
- ROUND DUCT UP & DOWN THROUGH DECKS
- RECTANGULAR OR SQUARE DUCT UP THROUGH DECKS
- RECTANGULAR OR SQUARE DUCT DOWN THROUGH DECKS
- RECTANGULAR OR SQUARE DUCT UP & DOWN THROUGH DECKS
- SUPPLY DUCTING, PRE-INSULATED
- EXHAUST DUCTING
- NON-RETURN VALVE
- FIRE DAMPER
- MANUAL DAMPER
- FLEXIBLE HOSE CONNECTION
- SUPPLY AIR C.F.M.
- MIN AIR CHANGES PER HOUR
- EXHAUST AIR C.F.M.
- MIN AIR CHANGES PER HOUR
- AIR FLOW THROUGH DOOR GRILLE

NOTES:
1. FOR GENERAL NOTES, A KEY TO SYMBOLS, SEE REF #1
2. COAMING DETAILS REFERRED TO IN PENETRATION LIST SEE REF #4



UPPER DECK

PENETRATION LIST (CONTD)									
NO.	SIZE	CENTRE OF HOLE DIMENSIONS	OFF FR	OFF FR	STRUCTURE	PENETRATED	COAMING	REQD	DET
U-51	5'0"	12'9" (S)	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
52	"	"	FR 48	13'0"	"	NO	-	-	-
53	"	"	FR 49	13'0"	"	NO	-	-	-
54	12'0"	10'0" (S)	FR 47	13'0"	CHANGEROOM BHD	NO	-	-	-
55	"	"	FR 48	13'0"	"	NO	-	-	-
56	11'0"	5'0" (S)	FR 49	13'0"	CHANGEROOM BHD	NO	-	-	-
57	"	"	FR 50	13'0"	"	NO	-	-	-
58	"	"	FR 51	13'0"	"	NO	-	-	-
59	7'0"	10'0" (S)	FR 47	13'0"	CHANGEROOM BHD	NO	-	-	-
60	5'0"	4'0" (S)	FR 48	13'0"	CHANGEROOM BHD	NO	-	-	-
61	"	"	FR 49	13'0"	"	NO	-	-	-
62	8'0"	9'0" (S)	FR 47	13'0"	CHANGEROOM BHD	NO	-	-	-
63	"	"	FR 48	13'0"	"	NO	-	-	-
64	5'0"	4'0" (S)	FR 49	13'0"	CHANGEROOM BHD	NO	-	-	-
65	8'0"	4'0" (S)	FR 50	13'0"	CHANGEROOM BHD	NO	-	-	-
66	6'0"	10'0" (S)	FR 47	13'0"	CHANGEROOM BHD	NO	-	-	-
67	5'0"	11'0" (S)	FR 48	13'0"	CHANGEROOM BHD	NO	-	-	-
68	7'0"	23'0" (S)	FR 49	13'0"	CHANGEROOM BHD	NO	-	-	-
69	5'0"	11'0" (S)	FR 50	13'0"	CHANGEROOM BHD	NO	-	-	-
70	5'0"	11'0" (S)	FR 51	13'0"	CHANGEROOM BHD	NO	-	-	-
71	10'0"	4'0" (S)	FR 47	13'0"	CHANGEROOM BHD	NO	-	-	-
72	10'0"	4'0" (S)	FR 48	13'0"	CHANGEROOM BHD	NO	-	-	-
73	11'0"	11'0" (S)	FR 49	13'0"	CHANGEROOM BHD	NO	-	-	-
74	7'0"	21'0" (S)	FR 50	13'0"	CHANGEROOM BHD	NO	-	-	-
75	10'0"	4'0" (S)	FR 51	13'0"	CHANGEROOM BHD	NO	-	-	-
76	7'0"	10'0" (S)	FR 47	13'0"	CHANGEROOM BHD	NO	-	-	-
77	12'0"	4'0" (S)	FR 48	13'0"	CHANGEROOM BHD	NO	-	-	-

PENETRATION LIST									
NO.	SIZE	CENTRE OF HOLE DIMENSIONS	OFF FR	OFF FR	STRUCTURE	PENETRATED	COAMING	REQD	DET
U-1	8'0"	8'0" (S)	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
2	6'0"	17'0" (S)	FR 48	13'0"	WASHROOM BHD	NO	-	-	-
3	5'0"	12'0" (S)	FR 49	13'0"	WASHROOM BHD	NO	-	-	-
4	"	"	FR 50	13'0"	WASHROOM BHD	NO	-	-	-
5	"	"	FR 51	13'0"	WASHROOM BHD	NO	-	-	-
6	6'0"	17'0" (S)	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
7	11'0"	2'0" (S)	FR 48	13'0"	WASHROOM BHD	NO	-	-	-
8	20'0"	6'0" (S)	FR 49	13'0"	WASHROOM BHD	NO	-	-	-
9	10'0"	8'0" (S)	FR 50	13'0"	WASHROOM BHD	NO	-	-	-
10	20'0"	12'0" (S)	FR 51	13'0"	WASHROOM BHD	NO	-	-	-
11	8'0"	8'0" (S)	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
12	"	"	FR 48	13'0"	WASHROOM BHD	NO	-	-	-
13	4'0"	11'0" (S)	FR 49	13'0"	WASHROOM BHD	NO	-	-	-
14	5'0"	9'0" (S)	FR 50	13'0"	WASHROOM BHD	NO	-	-	-
15	20'0"	6'0" (S)	FR 51	13'0"	WASHROOM BHD	NO	-	-	-
16	8'0"	10'0" (S)	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
17	"	"	FR 48	13'0"	WASHROOM BHD	NO	-	-	-
18	5'0"	10'0" (S)	FR 49	13'0"	WASHROOM BHD	NO	-	-	-
19	4'0"	"	FR 50	13'0"	WASHROOM BHD	NO	-	-	-
20	10'0"	11'0" (S)	FR 51	13'0"	WASHROOM BHD	NO	-	-	-
21	7'0"	10'0" (S)	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
22	"	"	FR 48	13'0"	WASHROOM BHD	NO	-	-	-
23	5'0"	10'0" (S)	FR 49	13'0"	WASHROOM BHD	NO	-	-	-
24	2'0"	"	FR 50	13'0"	WASHROOM BHD	NO	-	-	-
25	"	"	FR 51	13'0"	WASHROOM BHD	NO	-	-	-
26	9'0"	10'0" (S)	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
27	23'0"	9'0" (S)	FR 48	13'0"	WASHROOM BHD	NO	-	-	-
28	10'0"	6'0" (S)	FR 49	13'0"	WASHROOM BHD	NO	-	-	-
29	7'0"	10'0" (S)	FR 50	13'0"	WASHROOM BHD	NO	-	-	-
30	6'0"	8'0" (S)	FR 51	13'0"	WASHROOM BHD	NO	-	-	-
31	"	"	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
32	20'0"	6'0" (S)	FR 48	13'0"	WASHROOM BHD	NO	-	-	-
33	12'0"	6'0" (S)	FR 49	13'0"	WASHROOM BHD	NO	-	-	-
34	"	"	FR 50	13'0"	WASHROOM BHD	NO	-	-	-
35	"	"	FR 51	13'0"	WASHROOM BHD	NO	-	-	-
36	2'0"	3'0" (S)	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
37	12'0"	8'0" (S)	FR 48	13'0"	WASHROOM BHD	NO	-	-	-
38	11'0"	6'0" (S)	FR 49	13'0"	WASHROOM BHD	NO	-	-	-
39	"	"	FR 50	13'0"	WASHROOM BHD	NO	-	-	-
40	7'0"	12'0" (S)	FR 51	13'0"	WASHROOM BHD	NO	-	-	-
41	5'0"	11'0" (S)	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
42	8'0"	5'0" (S)	FR 48	13'0"	WASHROOM BHD	NO	-	-	-
43	"	"	FR 49	13'0"	WASHROOM BHD	NO	-	-	-
44	"	"	FR 50	13'0"	WASHROOM BHD	NO	-	-	-
45	5'0"	10'0" (S)	FR 51	13'0"	WASHROOM BHD	NO	-	-	-
46	3'0"	1'0" (S)	FR 47	13'0"	WASHROOM BHD	NO	-	-	-
47	3'0"	2'0" (S)	FR 48	13'0"	WASHROOM BHD	NO	-	-	-
48	11'0"	11'0" (S)	FR 49	13'0"	WASHROOM BHD	NO	-	-	-
49	7'0"	10'0" (S)	FR 50	13'0"	WASHROOM BHD	NO	-	-	-
U-50	"	"	FR 51	13'0"	WASHROOM BHD	NO	-	-	-

AS FITTED
MECHANICAL VENTILATION
UPPER DECK

HULL 68
"R" CLASS ICEBREAKER
C.G.S. "DES GROSEILLIERS"
PORT WELLS DRY DOCKS
ST. CATHERINES, ONTARIO L2N 7C1

68-H-122 SH 2 OF 7