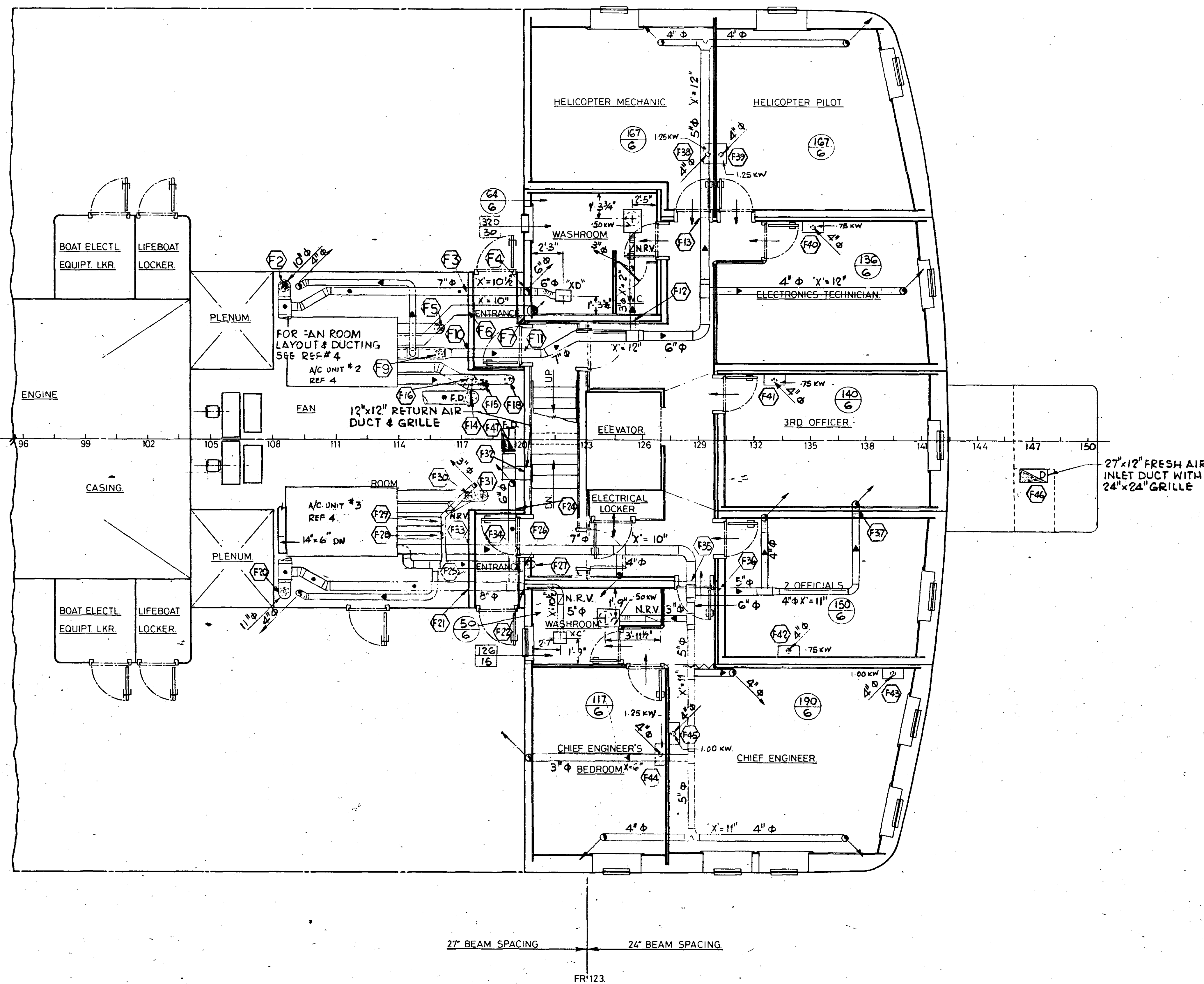


NOTES:
1. FOR GENERAL NOTES & KEY TO SYMBOLS SEE REF #1.
2. COAMING DETAILS REFERRED TO IN PENETRATION LIST SEE REF #5.

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.
- FD - FIRE DAMPER.
- MD - 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.



--FLIGHT AND BOAT DECK--

PENETRATION LIST

NO.	SIZE	CENTRE OF HOLE DIMENSIONS		STRUCTURE	COAMING
		OFF C	OFF FR		
F-1	32'x12'	2'-6"(S)	12" FWD 66	FLIGHT DECK	YES
2	10'φ	11'-3"(P)	12" FWD 108	"	YES
3	7'φ	10'-7"(P)	FR 117	FAN ROOM BHD	YES
4	"	"	FR 120	ENTRANCE BHD	NO
5	9'φ	8'-0"(P)	FR 116	FLIGHT DECK	YES
6	"	9'-3"(P)	FR 117	FAN ROOM BHD	YES
7	"	"	FR 120	ENTRANCE BHD	NO
8	"	"	"	"	"
9	10'φ	6'-2"(P)	FR 116	FLIGHT DECK	YES
10	8'φ	"	FR 117	FAN ROOM BHD	YES
11	"	"	FR 120	ENTRANCE BHD	NO
12	4'φ	8'-6"(P)	6" FWD 125	WASHROOM BHD	NO
13	6'φ	16'-0"(P)	6" FWD 129	MECHANIC BHD	NO
14	18'φ	3'-0"(P)	9" FWD 117	FLIGHT DECK	YES
15	7'φ	4'-0"(P)	11" FWD 118	"	YES
16	8'φ	4'-4"(P)	8" FWD 117	"	YES
17	"	"	"	"	"
18	8'φ	4'-4"(P)	6" FWD 119	FLIGHT DECK	YES
19	10'φ	9'-6"(S)	10 1/2" FWD 110	"	YES
20	11'φ	11'-3"(S)	12" FWD 108	"	YES
21	8'φ	10'-3"(S)	FR 117	FAN ROOM BHD	YES
22	5'φ	"	FR 120	ENTRANCE BHD	NO
23	"	"	"	"	"
24	6'φ	5'-0"(S)	7" FWD 119	FAN ROOM BHD	YES
25	7'φ	8'-11"(S)	FR 117	"	YES
26	"	"	FR 120	ENTRANCE BHD	NO
27	"	"	6" FWD 120	FLIGHT DECK	YES
28	"	6'-10"(S)	FR 116	"	YES
29	8'φ	5'-10"(S)	"	"	YES
30	8'φ	4'-0"(S)	8" FWD 117	"	YES
31	11'φ	"	11" FWD 118	"	YES
32	12'x12'	2'-4"(S)	FR 120	FAN ROOM BHD	YES
33	8'φ	7'-10"(S)	FR 117	"	YES
34	8'φ	"	FR 120	ENTRANCE BHD	NO
35	"	10'-0"(S)	9" FWD 128	WASHROOM BHD	NO
36	6'φ	10'-9"(S)	FR 130	OFFICIALS BHD	NO
37	5'φ	5'-0"(S)	7" FWD 137	"	NO
38	"	20'-0"(P)	10" FWD 129	FLIGHT DECK	YES
39	"	"	3" FWD 130	"	YES
40	"	15'-4"(P)	6" FWD 135	"	YES
41	"	4'-4"(P)	FR 133	"	YES
42	"	15'-1"(P)	FR 134	"	YES
43	"	16'-7"(S)	12" FWD 138	"	YES
44	"	22'-6"(S)	11" FWD 140	"	YES
45	"	21'-0"(S)	10 1/2" FWD 141	"	YES
F-46	27'x12'	SEE DET	7" FWD 142	"	YES
F-47	20'x12'	"	4" FWD 143	"	YES
48	8'φ	7'-6"(P)	FR 123	PASSAGE BHD	YES
F-49	8'φ	7'-10"(S)	"	"	YES

"AS FITTED"
MECHANICAL VENTILATION
FLIGHT & BOAT DECK

SCALE 1/4" = 1'-0" DATE SEPTEMBER 1982

HULL 68
"R" CLASS ICEBREAKER
C.C.G.S. "DES GROSEILLIERS"

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