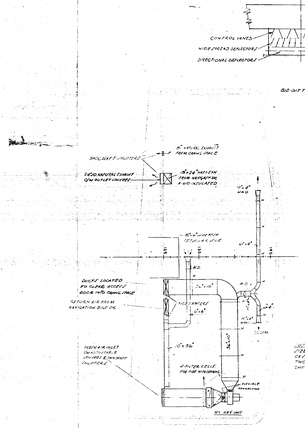
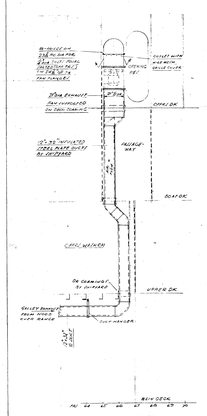
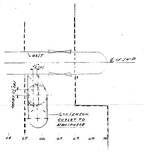
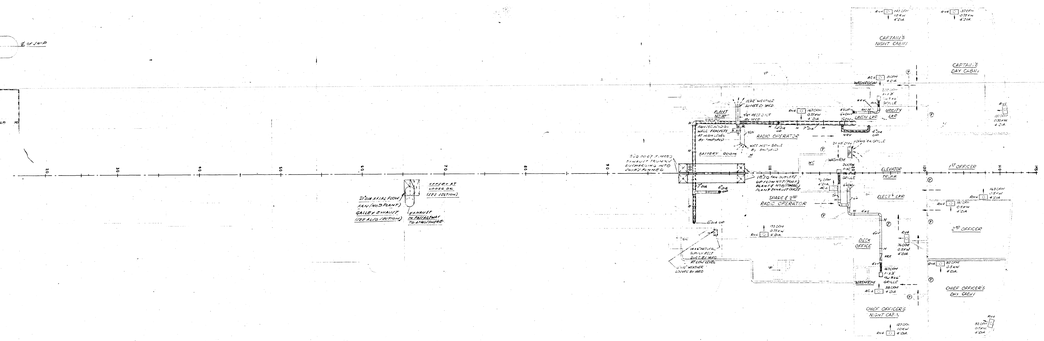

CONTROL VANES
HORIZONTAL DEFLECTORS
DIRECTIONAL DEFLECTORS
BOLT TO SUIT OWNER
CONTROL HORSEHEAD
DETAIL OF DOUBLE DEFLECTOR GRILLE
C/W MACHINE CONTROL EQUIPMENT
DOUBLE DEFLECTOR
GRILLE
DETAIL X
HALF SPEC WHEELHOUSE
NAVIGATION BRIDGE DECK
FLEXIBLE EQUIPMENT
WHEELHOUSE TOP
NAVIGATION BRIDGE DECK & WHEELHOUSE
INSULATED SUPPLY DUCT
EXHAUST DUCT
RETURN AIR DUCT
FLEXIBLE HOSE CONNECTION
RE-HEATER BOXES C/W DIFFUSER
EXHAUST BOXES C/W GRILLE
RHC - FLOOR MOUNT REHEATER (WITH RHA DUCT CONNECTION)
RCC - FLOOR MOUNT CABINET (AIR SUPPLY HORIZONTAL)
NON-RETURN VALVE
FIRE DAMPER
ROOM THERMOSTAT
NORRIS WARMING CANADA
BURARD DRY DOCK CO. LTD.
H.V.A.C. DUCTING LAYOUT
SHEETS
C1 of 9
SH. 1 OF 5







LEGEND:-

INSULATED SUPPLY DUCT

EXHAUST DUCT

RETURN AIR DUCT

FLEXIBLE HOSE CONNECTION

RE-HEATER BOXES ON DIFFUSER

EXHAUST BOXES ON GRILLE

RHC - FLOOR MOUNT REHEATER (WITH SUPPLY DUCT CONNECTION) — EXHAUST — RETURN

ACA - FLOOR MOUNT CABINET (AIR SUPPLY INDICATED)

NON-RETURN VALVE

FIRE DAMPER

ROOM THERMOSTAT

3	DATE REVISIONS 2020		
2	DATE REVISIONS 2020		
REV	REVISION	BY	DATE

NORRIS WARMING CANADA
MECHANICAL CONTRACTORS

HVAC DUCTWORK & FIXTURES
H/A DUCTING LAYOUT
FOR REVALIDATION

SCALE: 1/8" | DATE: 20 JUL 79
DRAWN: H. TAP | CHECKED BY: AJV | TRACED BY:
DRAWING No. 5/2/29 DWG TD/34

No.	REVISION	BY	DATE

SYMBOL	DESCRIPTION	QTY	SYMBOL	DESCRIPTION	QTY
	Supply Duct			Fire Damper	
	Exhaust Duct			Flexible Hose Connection	
	Return Air Duct			Re-Heater Boxes on Diffuser	
	Non-Return Valve			Exhaust Boxes on Grille	
	Room Thermostat			Floor Mount Reheater	
	Floor Mount Cabinet			Floor Mount Reheater (with Supply Duct Connection)	
	Ceiling Mount Cabinet			Ceiling Mount Reheater	
	Ceiling Mount Cabinet (Air Supply Indicated)			Ceiling Mount Reheater (Air Supply Indicated)	

U.S. Coast Guard
Approved
Date 1/8/80

VANCOUVER DRY DOCK CO. LTD.
SHIPBUILDERS - REPAIRERS - MARINE ENGINEERS
VANCOUVER, B.C., CANADA

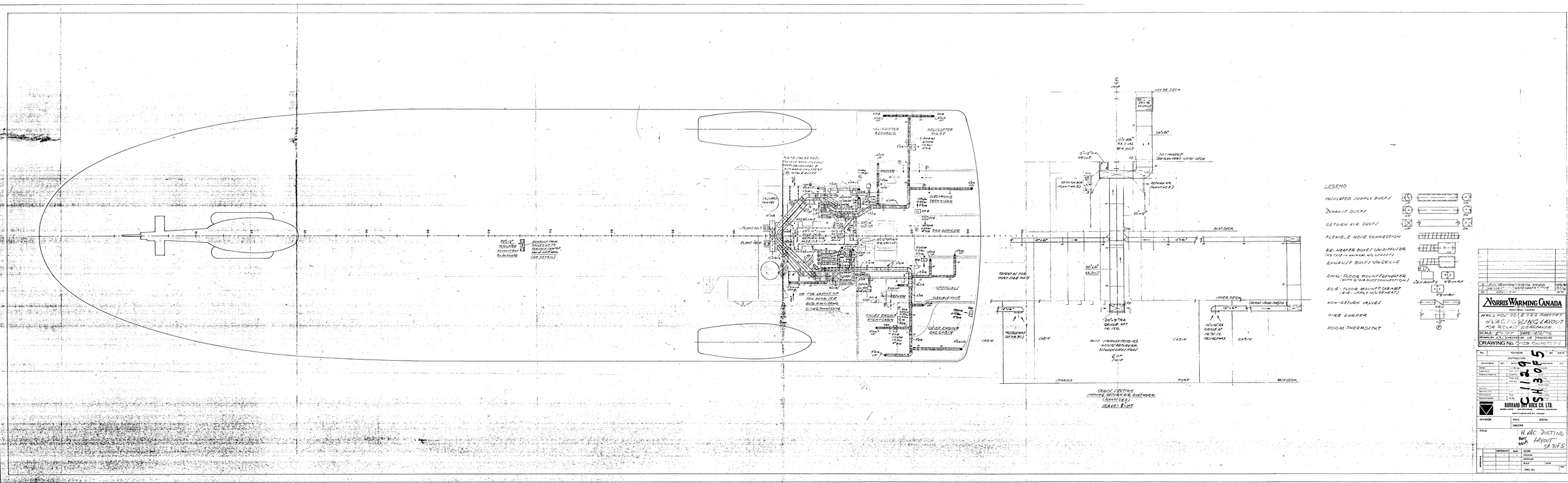
DESIGN: | DRN.: | CHECKED:

TITLE: H. V.A.C. DUCTING LAYOUT

HULL No. 5/2/29

REVISIONS			

		DESIGN	
		DRAWN	
		CHECKED	
		APPR.	DATE
		ENGG. No.	


HELICOPTER MECHANIC
HELICOPTER PILOT
ELECTRONIC TECHNICIAN
SEC OFFICER
OFFICERS
FLEXIBLE HOSE
CHIEF ENGINEER BRIDGEPORT
CHIEF ENGINEER OAK CABIN
PLANT HOLE
PLANT HOLE
ELEVATOR
ELEVATOR
SEE DETAILS
SEE DETAILS
SEE FOR LAYOUT OF FAN ROOM, DECK & BULKHEAD CLINE 2, DWG 0-0-1-1
CABIN
CABIN
CABIN
CABIN
PORT
MAIN DECK
BOAT DECK
UPPER DECK
HAY SB DECK
RETURN AIR (PLANT NO 3)
RETURN AIR (PLANT NO 2)
RETURN AIR (PLANT NO 1)
RETURN AIR (PLANT NO 3)
RETURN AIR (PLANT NO 2)
RETURN AIR (PLANT NO 1)
RETURN AIR GRILLE AT FE. FRD.
MUSICIANS SEATS
NOTE: THIS PLANT FEEDS THE MUSIC SEATING AREA, SEE MUSICIANS ROOM DWG
CROSS SECTION SHOWING RETURN AIR DUCTWORK (PLANT NO 2)
SCALE: 1/4" = 1'-0"
LEGEND
INSULATED SUPPLY DUCTS
EXHAUST DUCTS
RETURN AIR DUCTS
FLEXIBLE NOISE CONNECTION
RE-HEATER BOXES C/W DIFFUSER (ASTRO-WARMER NO. 6 TYPE F)
EXHAUST BOXES C/W GRILLE
RHG - FLOOR MOUNT REHEATER (WITH 6" DIA DUCT CONNECTION)
AC 9 - FLOOR MOUNT CABINET (AIR - CARLY HUMIDIFIER)
NON-RETURN VALVE
FIRE DAMPER
ROOM THERMOSTAT
NORRIS WARMING CANADA
MONTREAL, CANADA
H.V.A.C. DUCTING LAYOUT
SCALE: 1/4" = 1'-0"
DRAWING No. 0-1-1-29
DIVISION
HULL
JOB No.
TITLE
H.V.A.C. DUCTING
PLAN LAYOUT
SH 3 OF 5
BURRARD DRY DOCK CO. LTD.
NORTH VANCOUVER, B.C. CANADA
DRAWING No. 0-1-1-29

LEGEND:

- INSULATED SUPPLY DUCTS (UP / DN)
- EXHAUST DUCTS (UP / DN)
- RETURN AIR DUCTS (UP / DN)
- FLEXIBLE HOSE CONNECTION
- RE-HEATER BOXES C/W DIFFUSER
- EXHAUST BOXES C/W GRILLE
- RH6 - FLOOR MOUNTD REHEATER (WITH 6" DIA DUCT CONNECTION) — 6"ø side entry / 6"ø under
- AC4 - FLOOR MOUNTD CABINET (AIR SUPPLY W/O REHEAT) — 4"ø under
- NON-RETURN VALVES — NRV
- FIRE DAMPER — FD
- ROOM THERMOSTAT — (T)

No	REVISION	DATE
2	D.S.S. REVISIONS 17/9/76 ADDED	29/10/76
1	RM THERMOSTATS ADDED ...	13/7/76

NORRIS WARMING CANADA LIMITED
MONTREAL, CANADA

HULL NOS 221 & 222 ...
HVAC DUCTING LAYOUT FOR R CLASS ICEBREAKER

SCALE: 1/4" = 1 FT. DATE: 5/6/76
DRAWN BY AB CHECKED BY LA TRACED BY
DRAWING No. C1129 ...

C 1129 SH 4 OF 5

No.	REVISION	BY	DATE

DISTRIBUTION

DEPARTMENT	QTY.	DEPARTMENT	QTY.	DEPARTMENT	QTY.
Owners		Yard Manager		Shipwright	
Classification		New Const. Supt.		Rigger	
... Inspection		Outfit Supt.		Joiner	
		Repair Supt.		Pipe Fitter	
		Steel Supt.		Machine Shop	
				Patternmaker	
... D.O.				Blacksmith	
Machinery D.O.		Loft		Sheet Metal	
... D.O.		Plater		Electric Shop	
... Engineer		Welder		Engine Fitter	

BURRARD DRY DOCK CO. LTD.
SHIPBUILDERS • SHIP REPAIRERS • GENERAL ENGINEERS
NORTH VANCOUVER, B.C., CANADA

DIVISION | HULL | JOB No. | OWNERS

TITLE H.VAC. DUCTING LAYOUT
UPPER DECK SH 4 OF 5

APPROVALS	REPRESENTS	DATE	
			DRAWN
			CHECKED
			APPROVED
			SCALE / DATE
			DWG. No. / REV.

#5 Plant

LEGEND:-
INSULATED SUPPLY DUCTS
EXHAUST DUCTS
RETURN AIR DUCTS
FLEXIBLE HOSE CONNECTION
RE-HEATER BOXES C/W DIFFUSER
EXHAUST BOXES C/W GRILLE
RH6 - FLOOR MOUNTD REHEATER (WITH 6" DIA DUCT CONNECTION)
AC4 - FLOOR MOUNTD CABINET (AIR SUPPLY W/O REHEAT)
NON-RETURN VALVES
FIRE DAMPER
ROOM THERMOSTAT
UP
DN
NRV
FD
6"ø side entry
6"ø under
4"ø under
NORRIS WARMING CANADA LIMITED
MONTREAL CANADA
H.VAC DUCTING LAYOUT
FOR 'R' CLASS ICEBREAKER
SCALE: 1/4" = 1FT
DATE: 15/6/76
DRAWN BY
CHECKED BY
TRACED BY
DRAWING No.
No.
REVISION
BY
DATE
DISTRIBUTION
DEPARTMENT
QTY
BURRARD DRY DOCK CO. LTD.
SHIPBUILDERS • SHIP REPAIRERS • GENERAL ENGINEERS
NORTH VANCOUVER, B.C., CANADA
DIVISION
HULL
JOB No.
OWNERS
TITLE
H.VAC DUCTING LAYOUT
SH 5 OF 5
MAIN DECK
APPROVALS
REPRESENT.
DRAWN
CHECKED
APPROVED
SCALE
REV
DWG. No.
C 1129
SH 5 OF 5
SECTION OF KITCHEN HOOD IN GALLEY
ELEVATION OF FLOOR MOUNTED REHEAT BOXES
PLAN AT FLAT
LAUNDRY
CARPENTER'S WORKSHOP
GALLEY