

USS Liberty AGTR 5

Ships Mechanical Systems

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Engineering Dept.**

1964 -1965

**Drawings by:
Jim Williamson EM3**

DRAWING TITLEPLATE NUMBER

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SYMBOL LEGEND

 Globe Stop Valve

 Gate Valve

 Main Stop Valve

 Drain Or By Pass Valve

 Thermal Switch

 Swing Check Valve

 Strainer

 Pipe Cap

 Orifice

 Regulator (Leslie)

 Pump Governor

 Relief Valve (Fixed Pressure)

 Locked Valve

 Pressure Switch

 Needle Valve

 Trap

 Salinity Cell

 Manifold

 Reducing Valve

 Remote Control

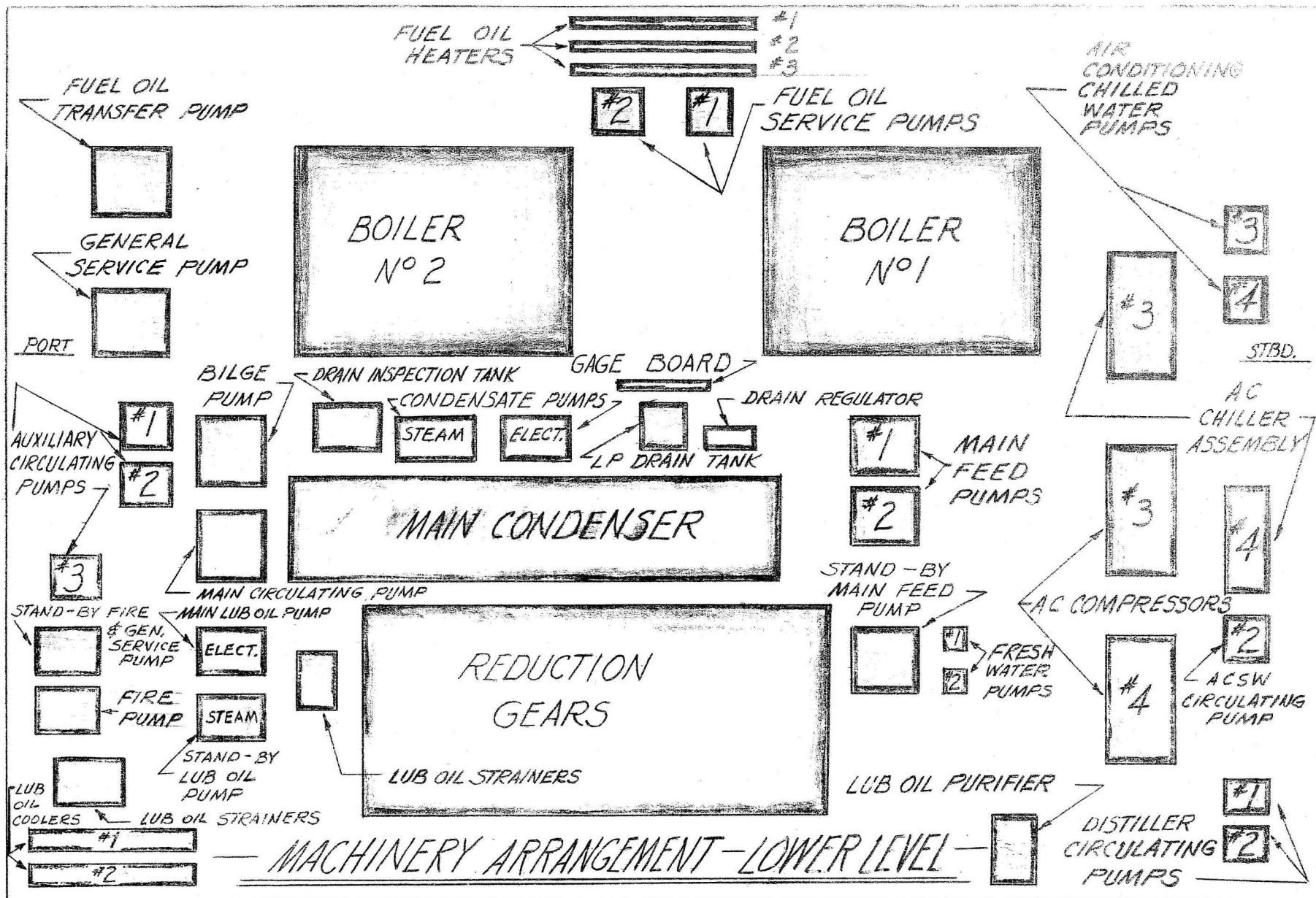
 Weight Loaded Valve

 H.P. Drain Funnel

 Thermometer

 Distance Reading Thermometer

 A.C. Air Conditioning



FORWARD

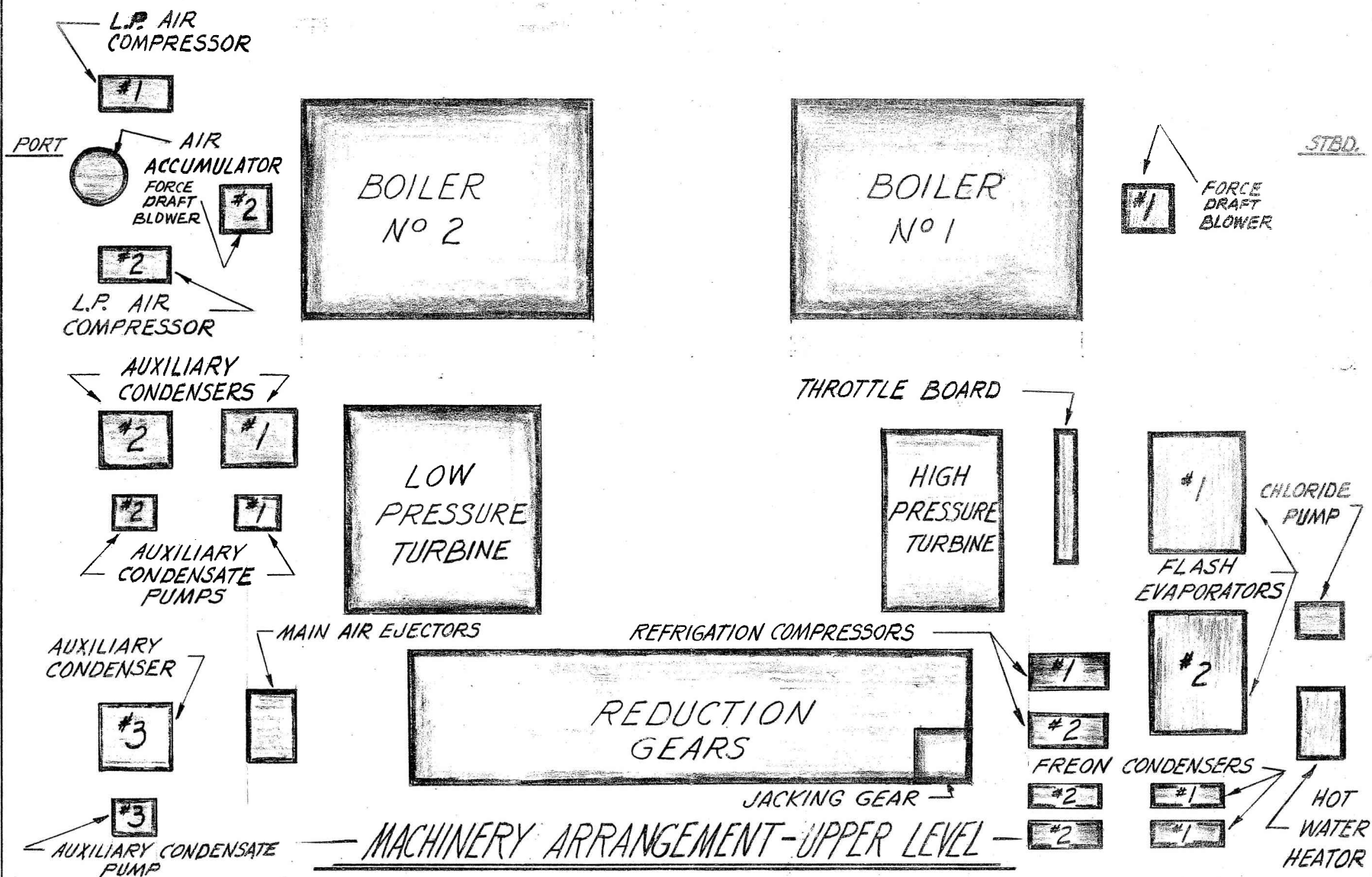
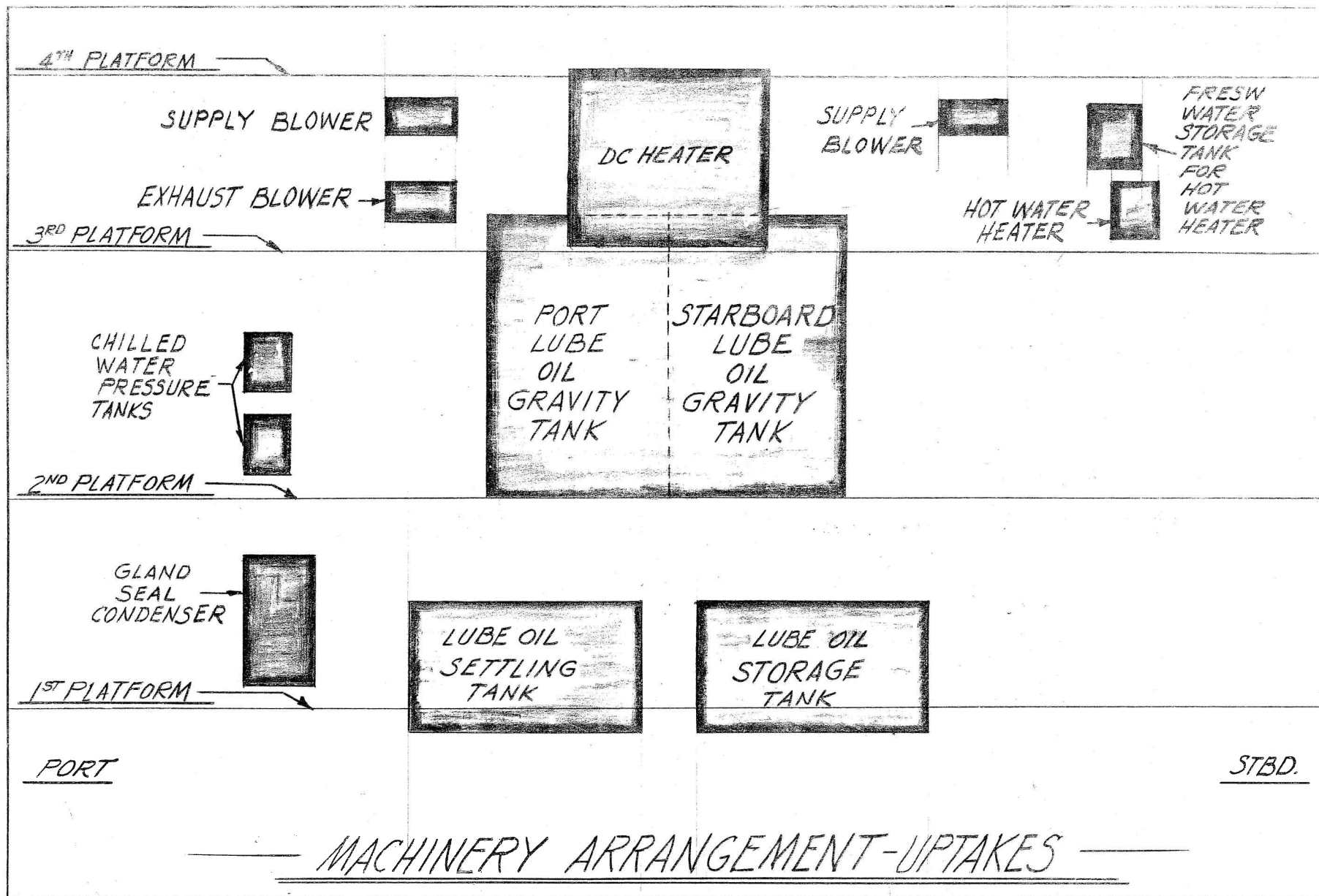


PLATE No 2



MAIN
SWITCHBOARD

S/S
TURBO
GENERATOR
Nº 2

Nº 2

S/S
TURBO
GENERATOR
Nº 3

S/S
TURBO
GENERATOR
Nº 1

Nº 1

Nº 3

AUXILIARY
AIR
EJECTORS

EMERGENCY
SWITCHBOARD

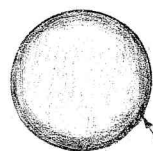
DIESEL OIL
STORAGE TANKS

EMERG. DIESEL

BATTERY CHARGER

GENERATOR ROOM & EMERGENCY GENERATOR ROOM

PLATE Nº 4

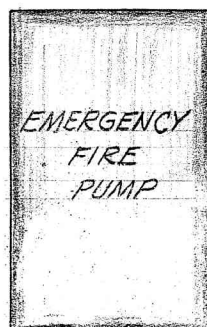


DIESEL
OIL
FILTER

CONTROLLER
FOR
EMERG. FIRE PUMP



DIESEL
OIL
TRANSFER
PUMP

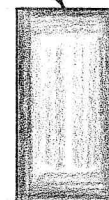


EMERGENCY
FIRE
PUMP

A.C. SW.
CIRC. PUMP
Nº 1

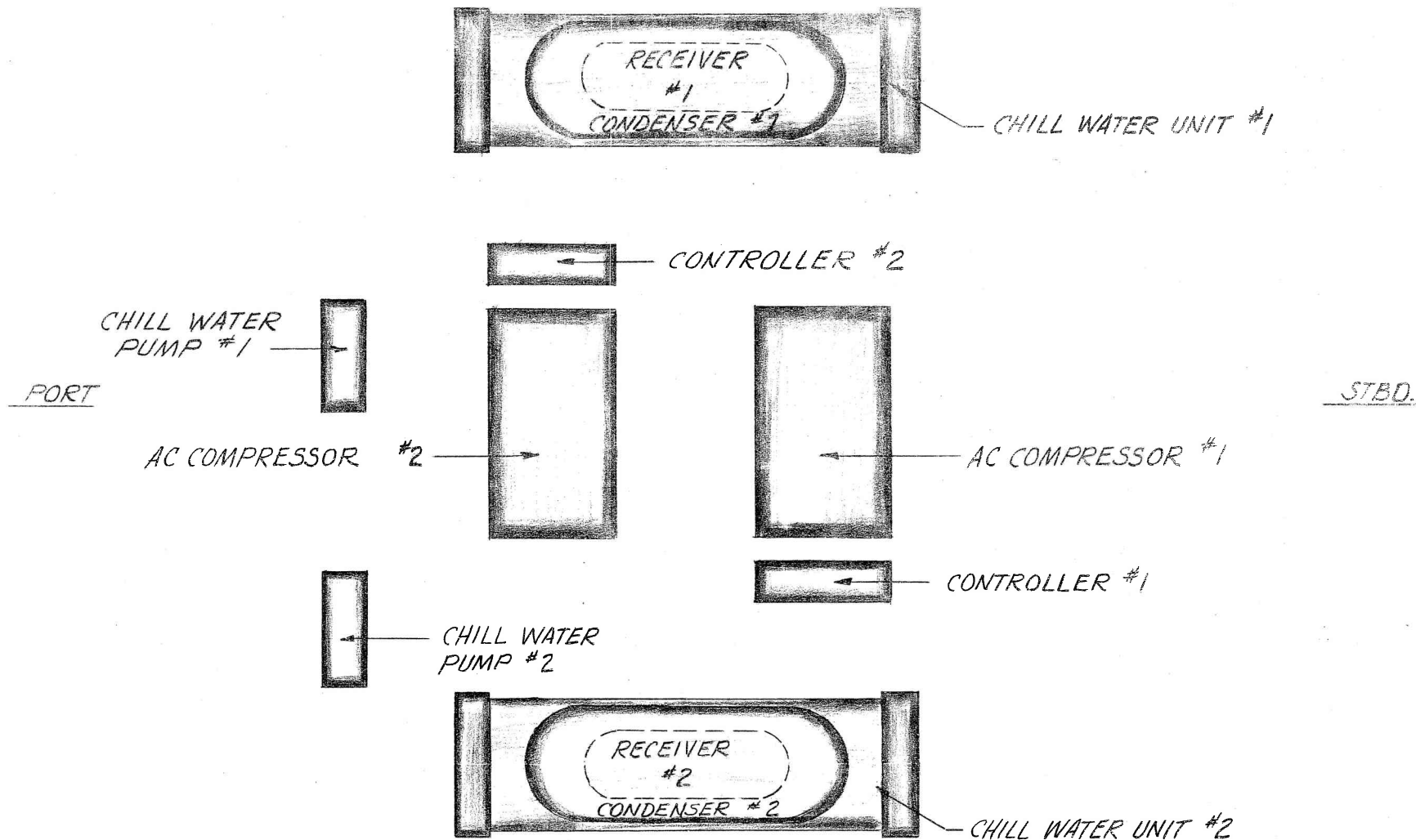


DIESEL SW.
BOOSTER
PUMP

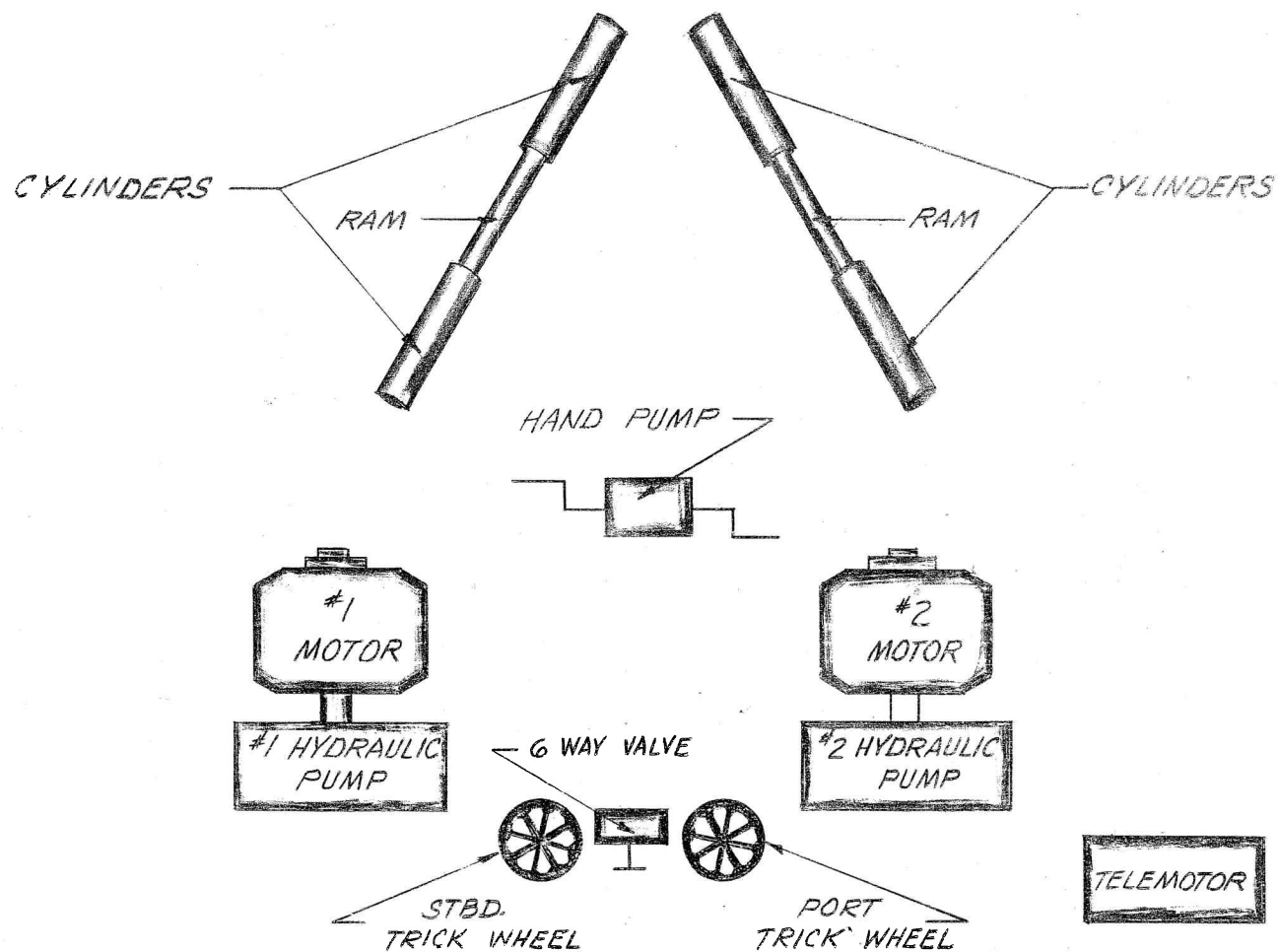


MACHINERY ARRANGEMENT—PUMP ROOM

PLATE Nº 5



AIR CONDITIONING MACHINERY ARRANGEMENT



AFTER STEERING (MACHINERY ARRANGEMENT)

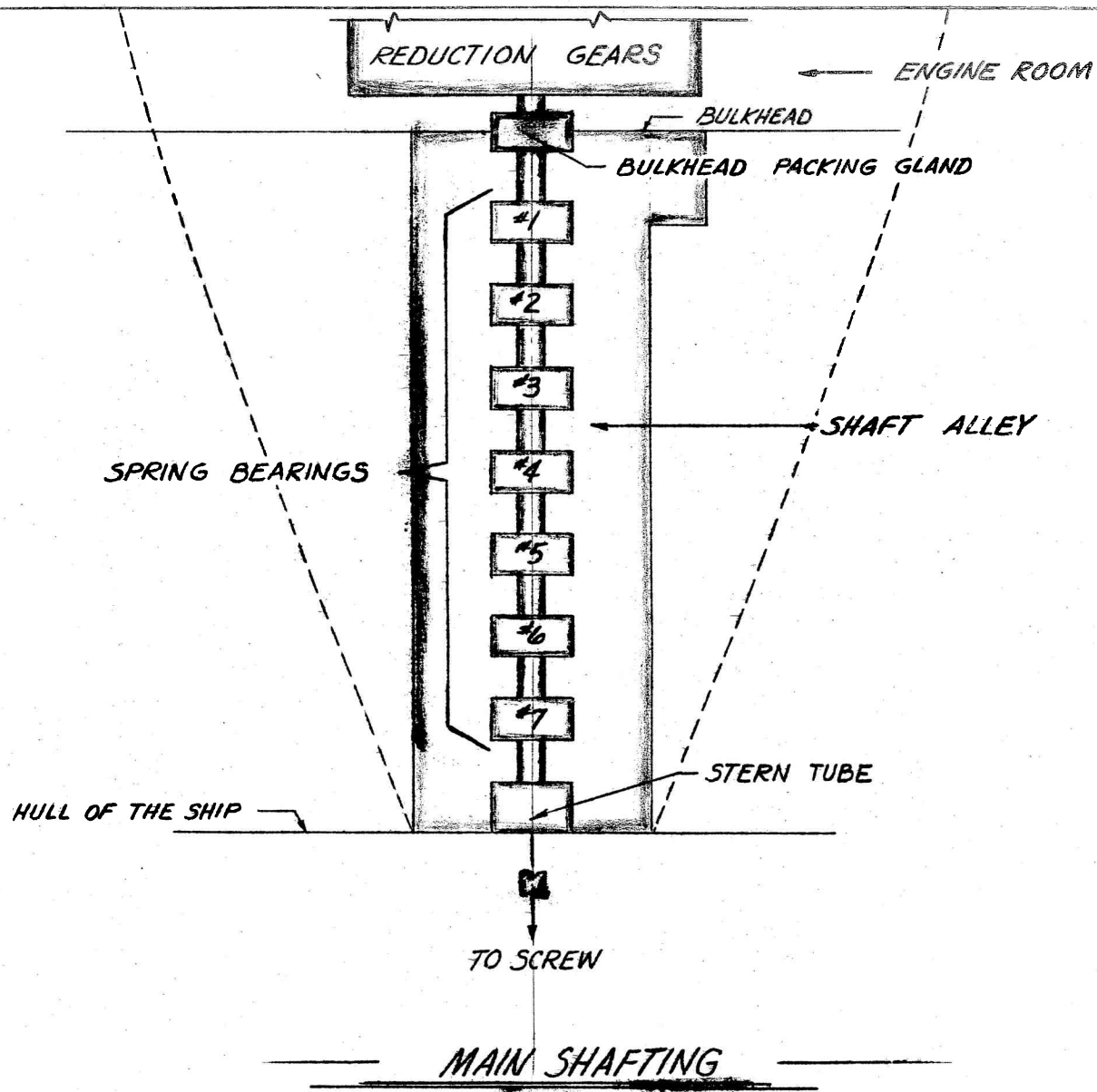
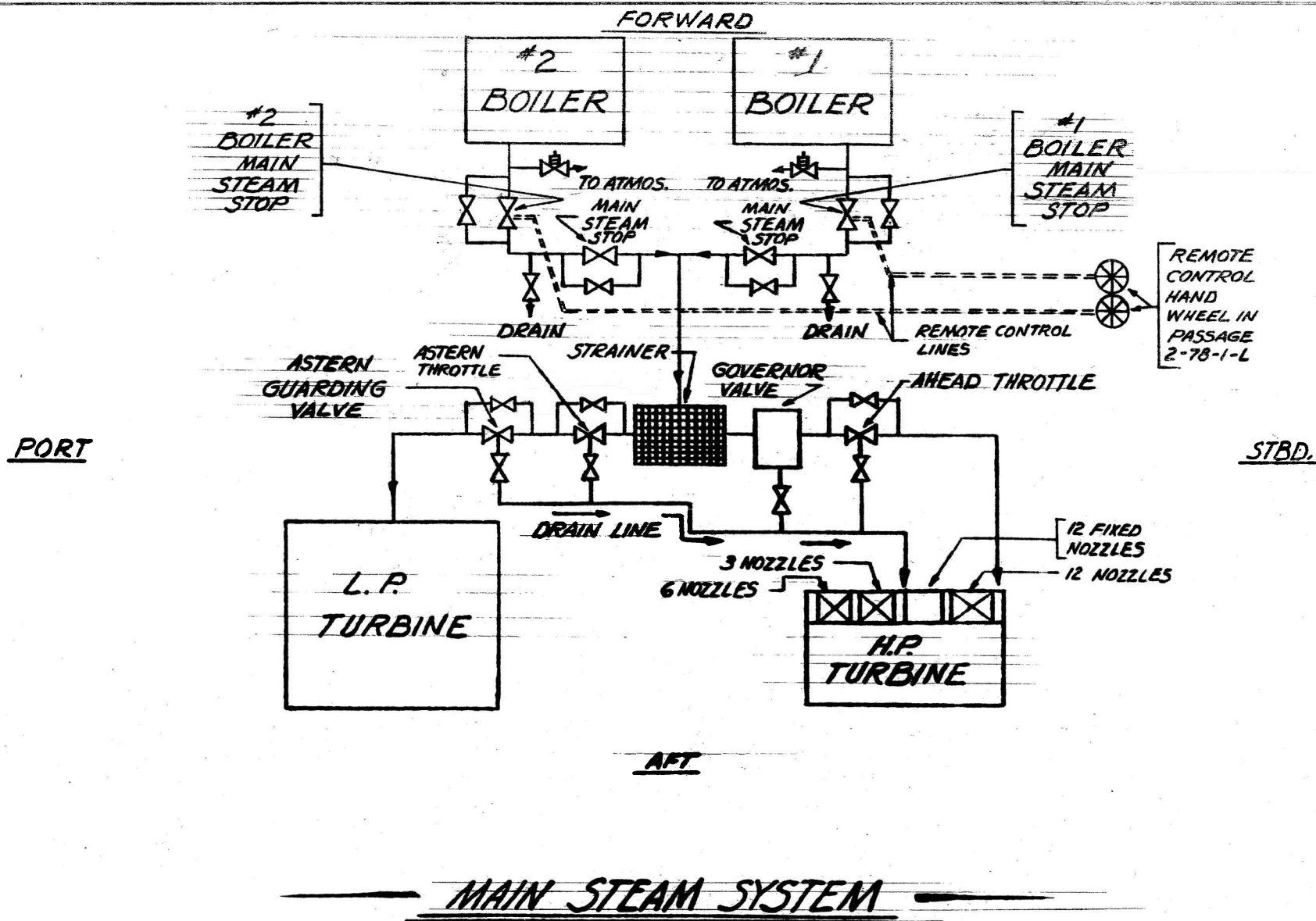
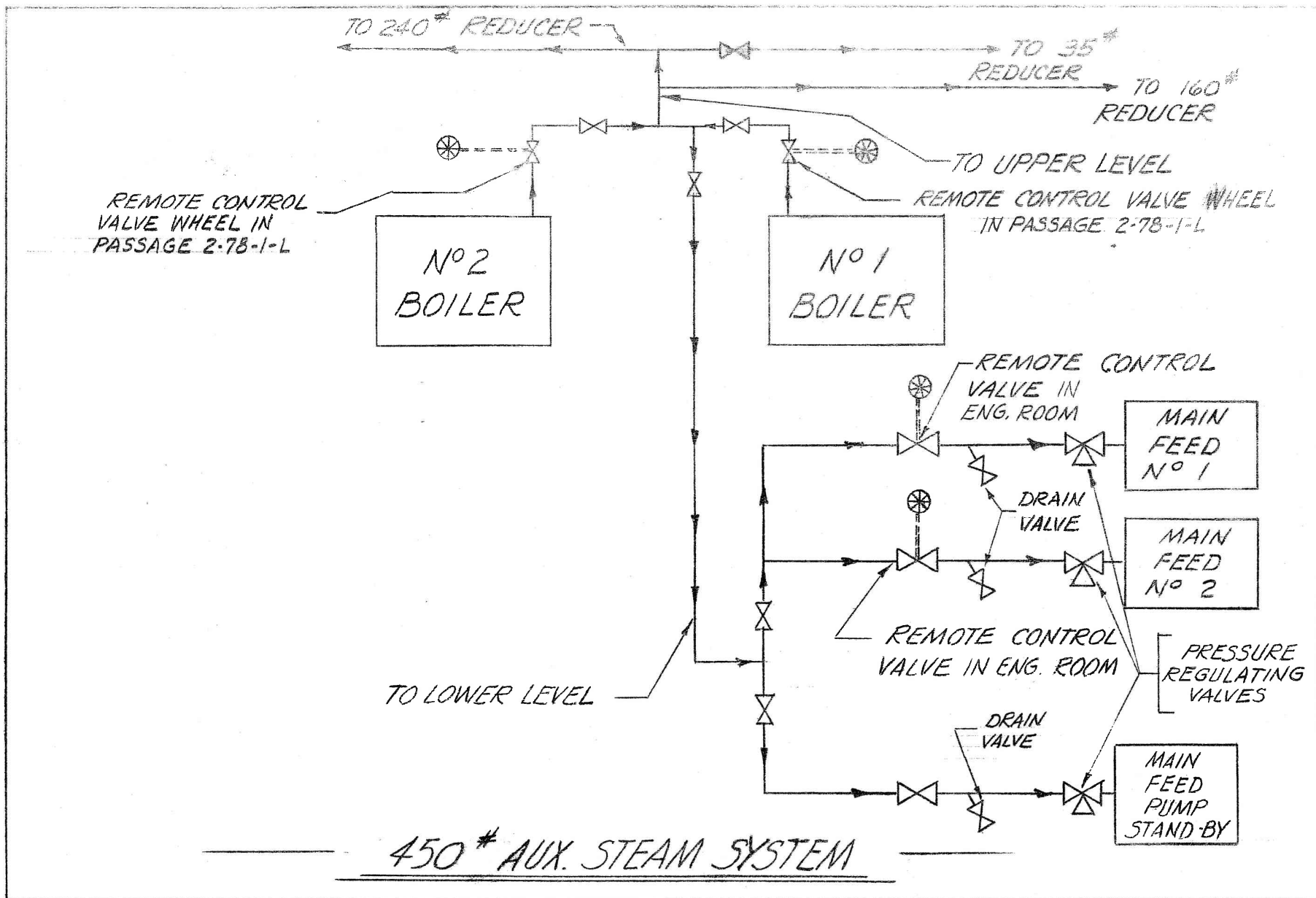
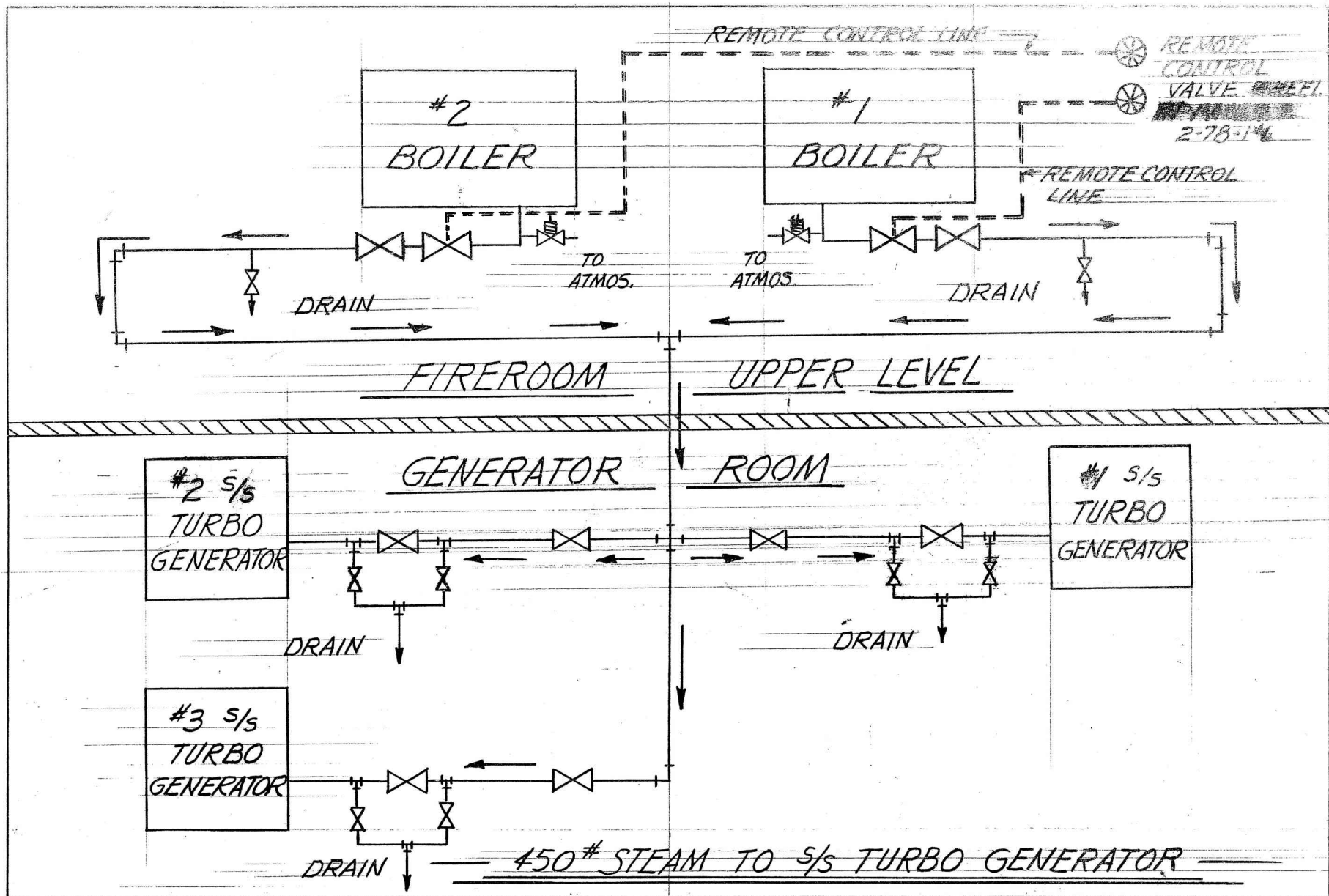
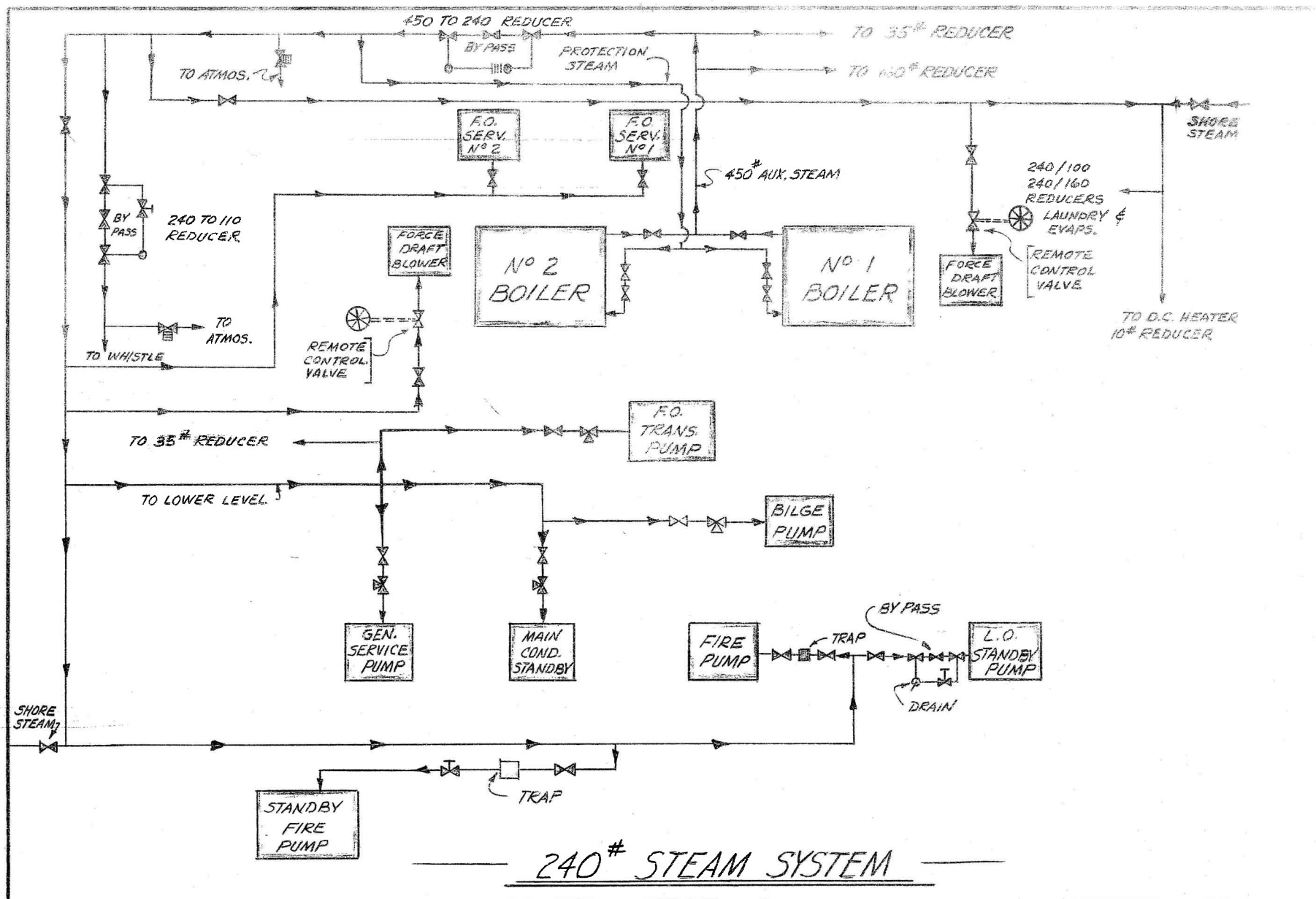


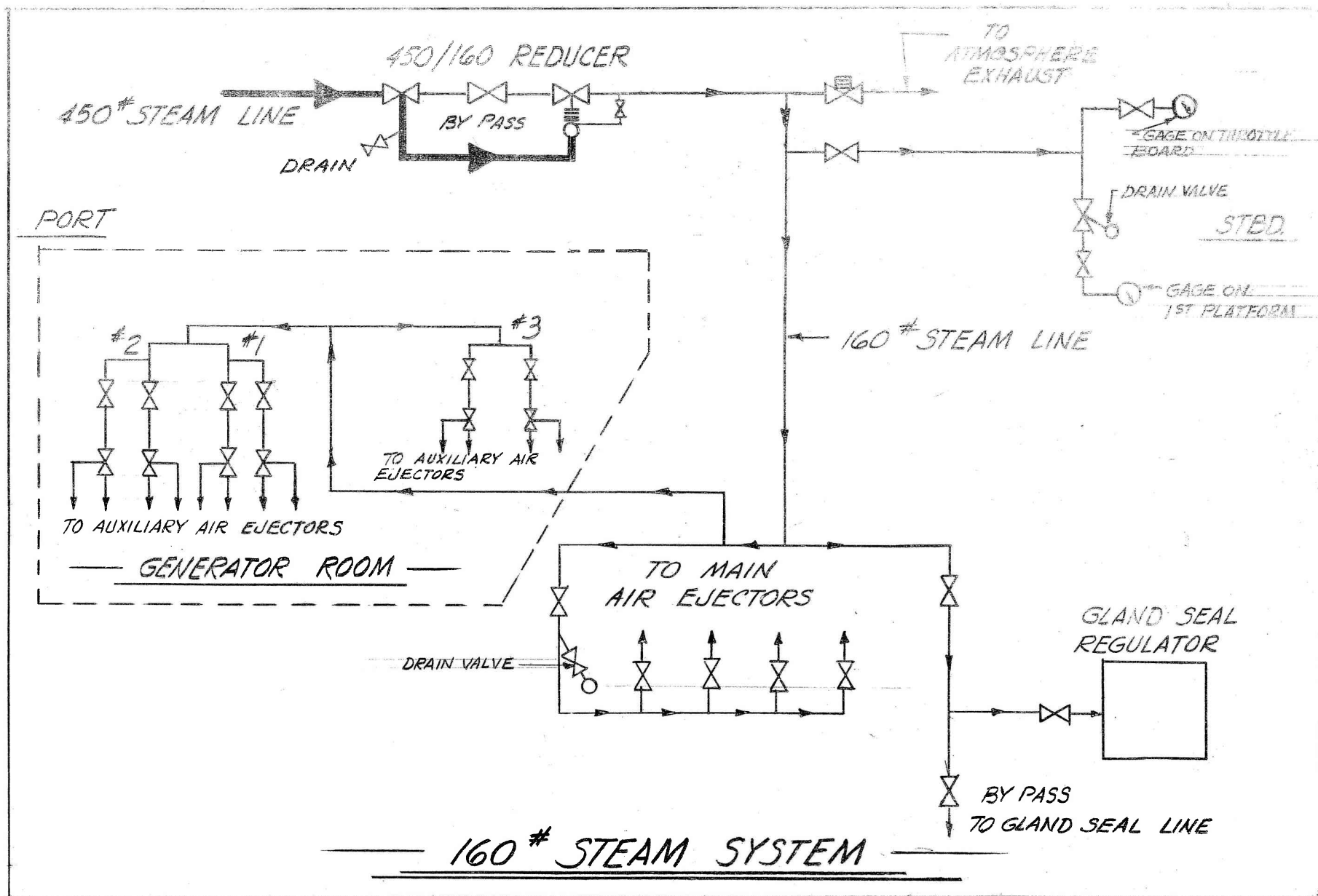
PLATE N°8











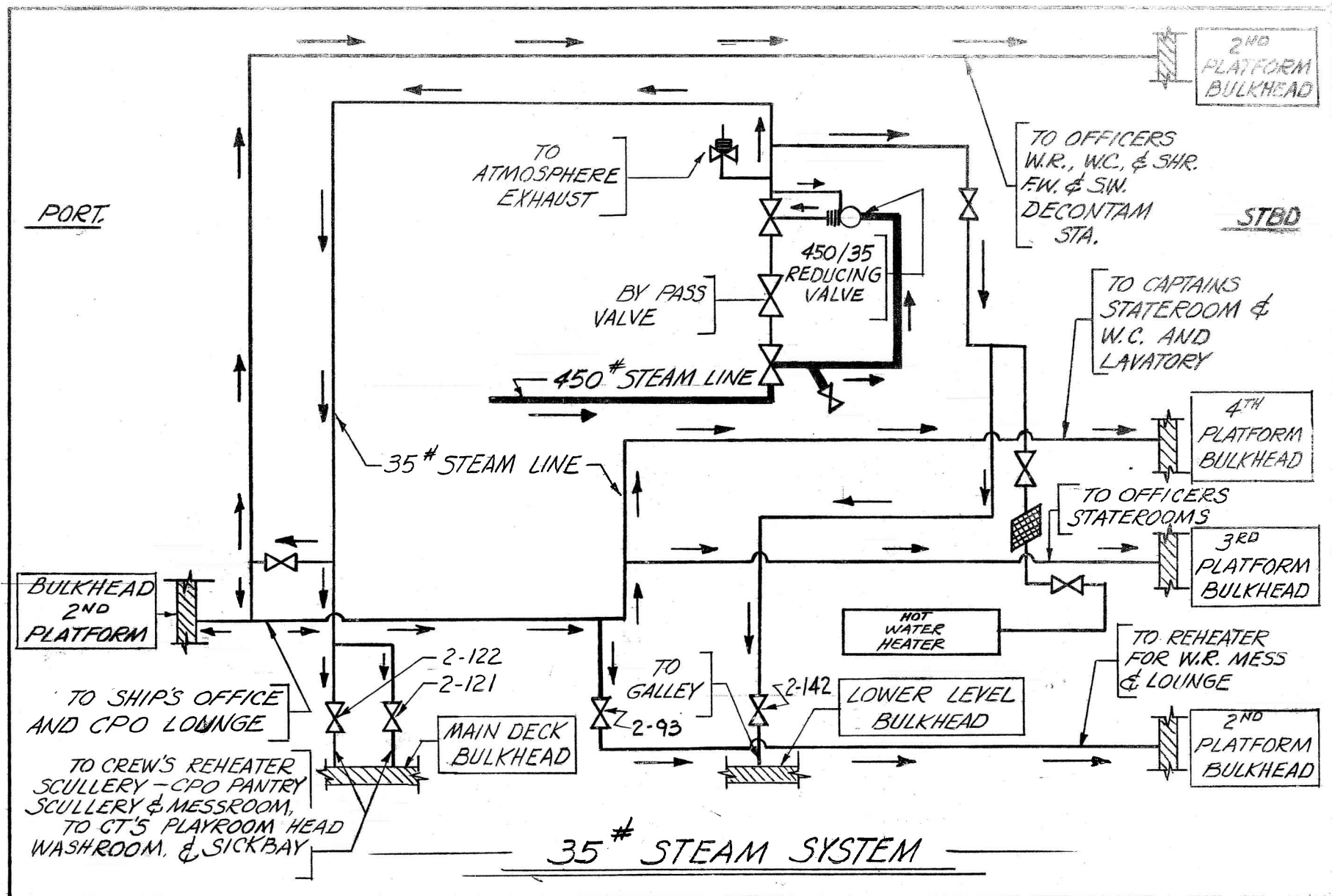
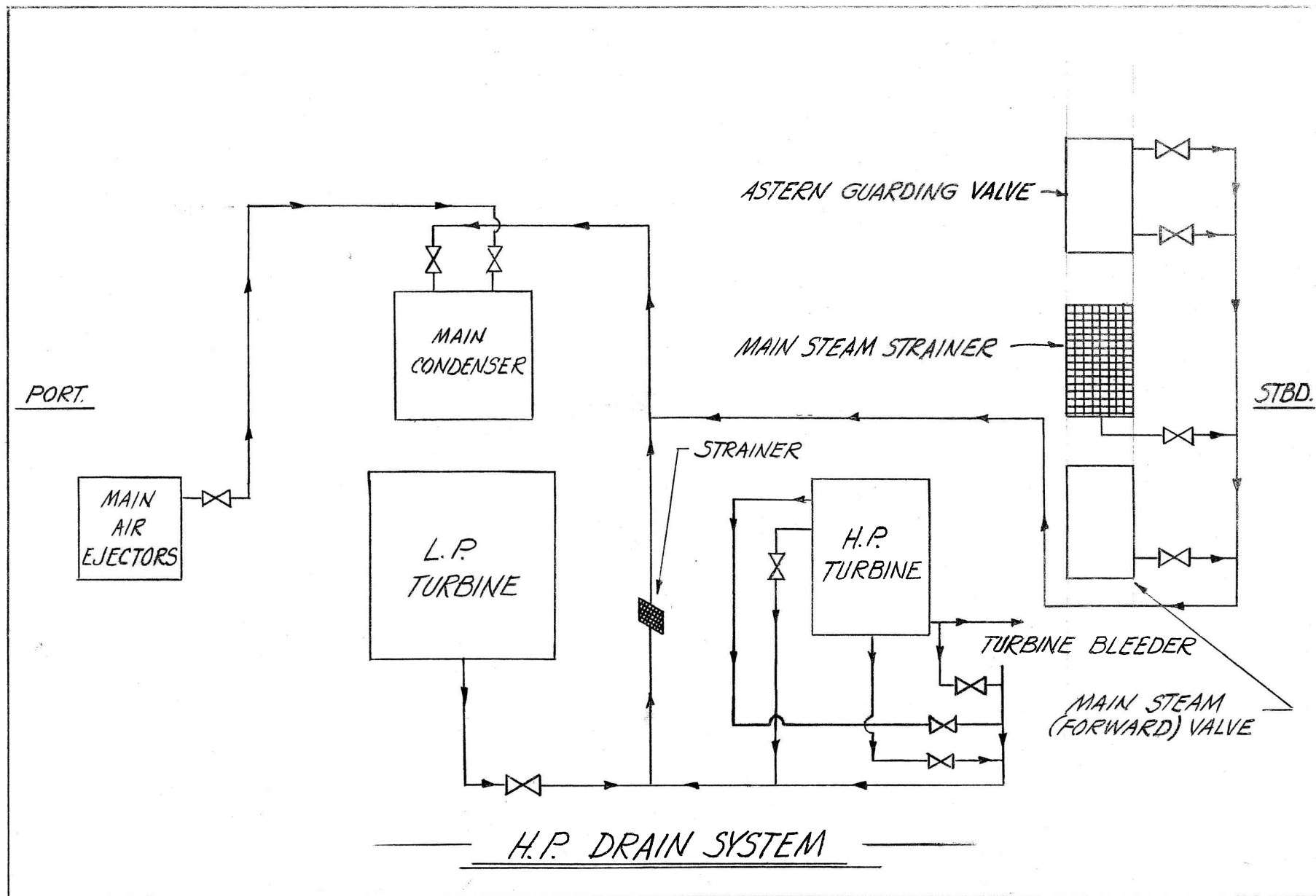
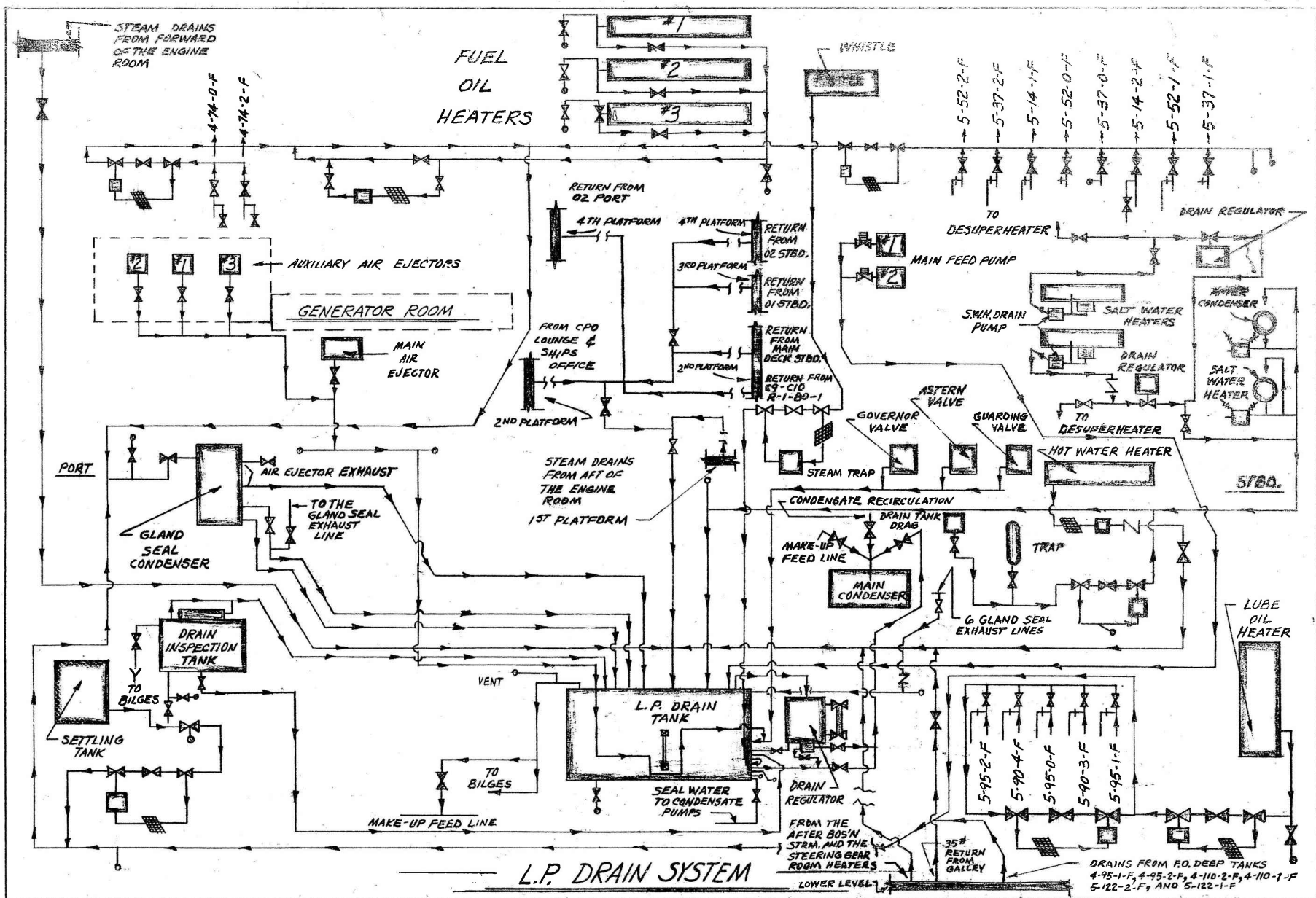
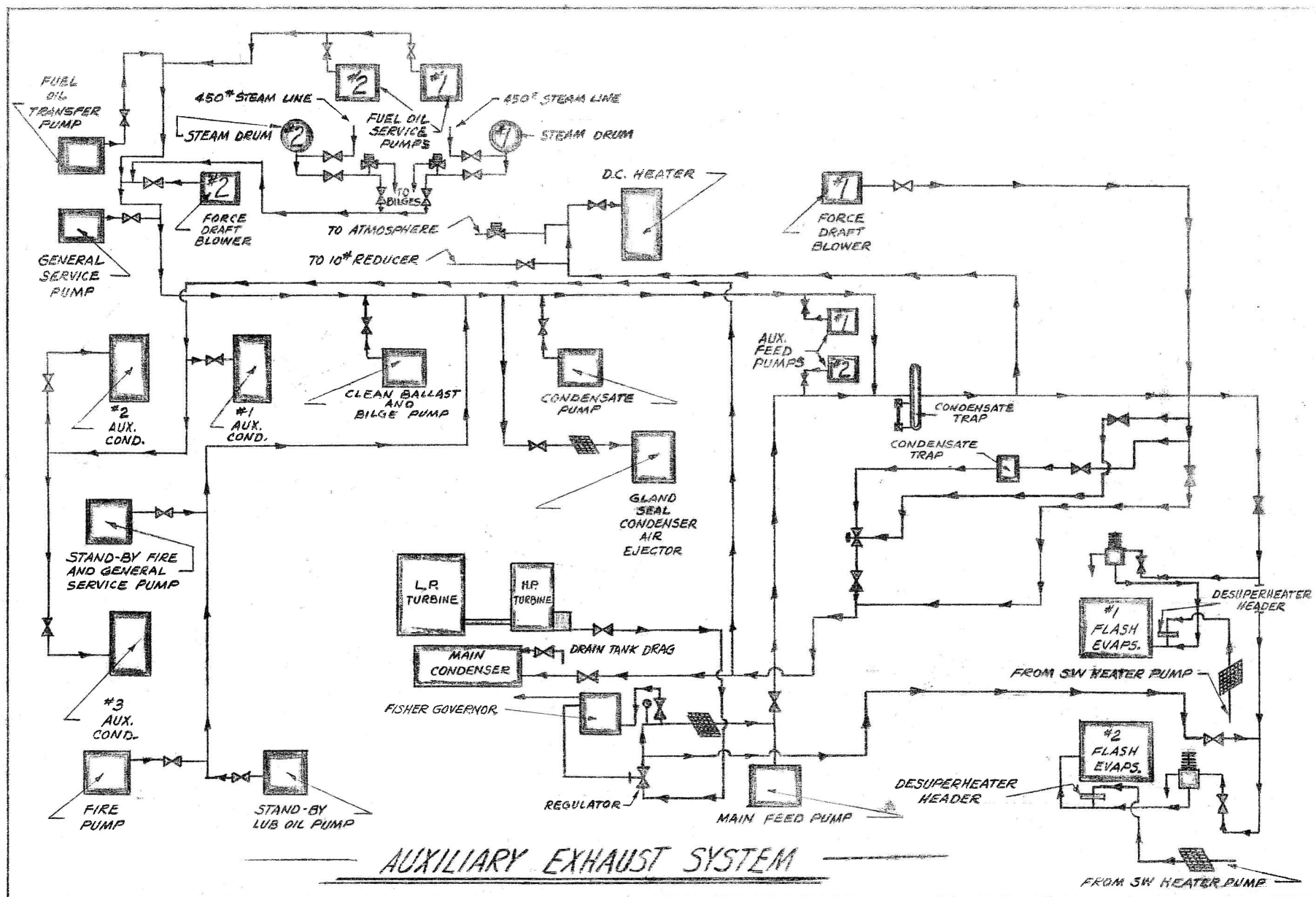
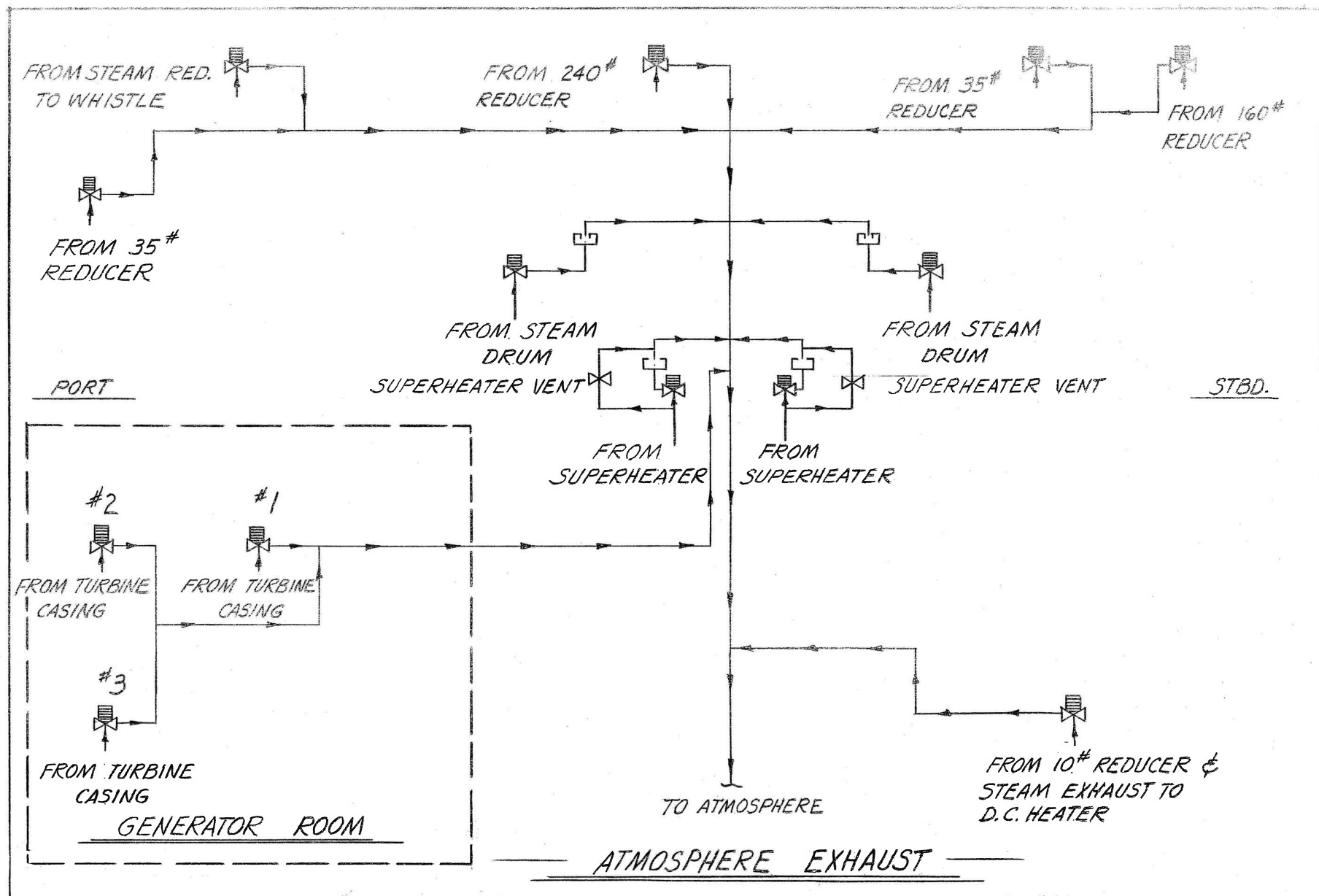


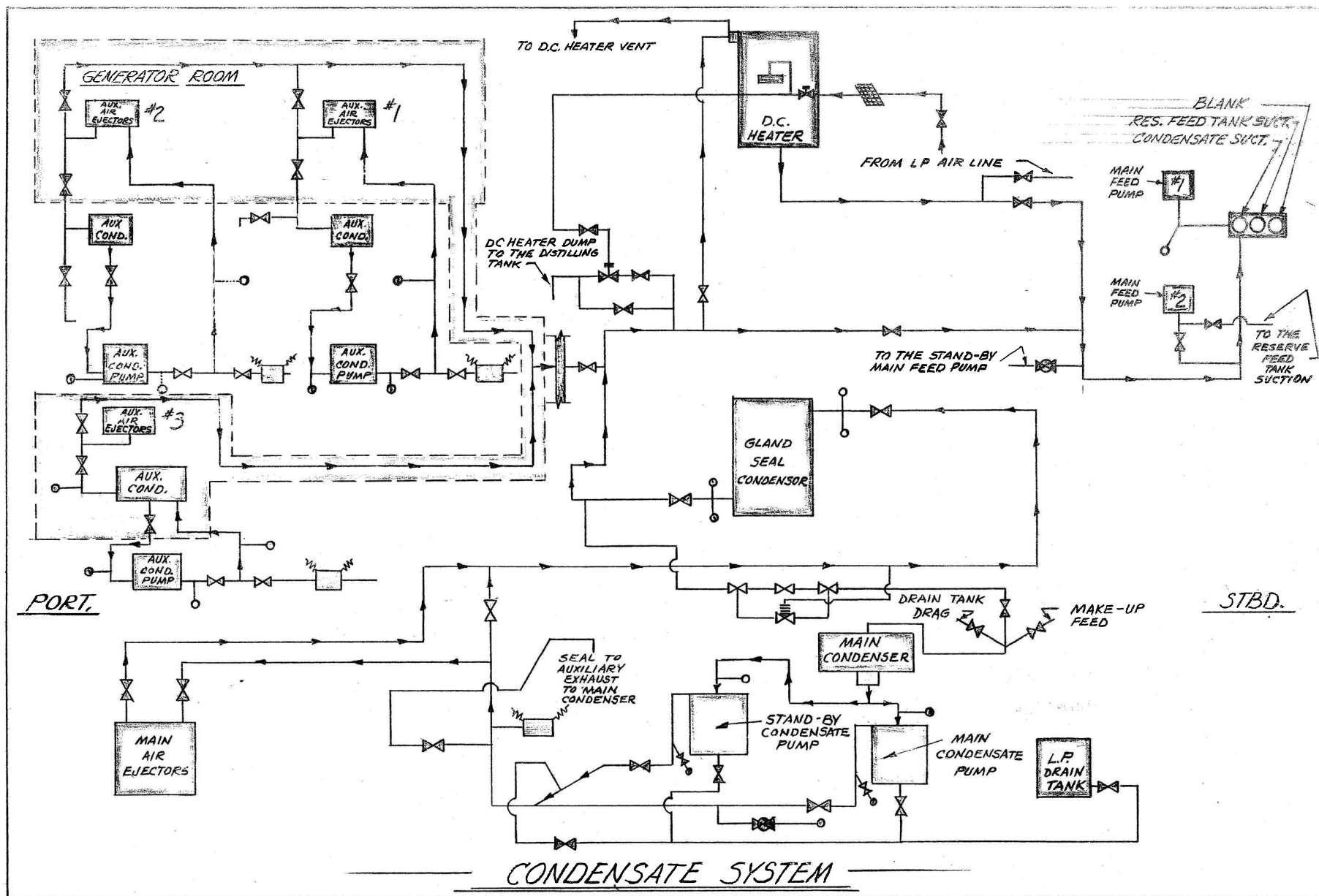
PLATE N° 14

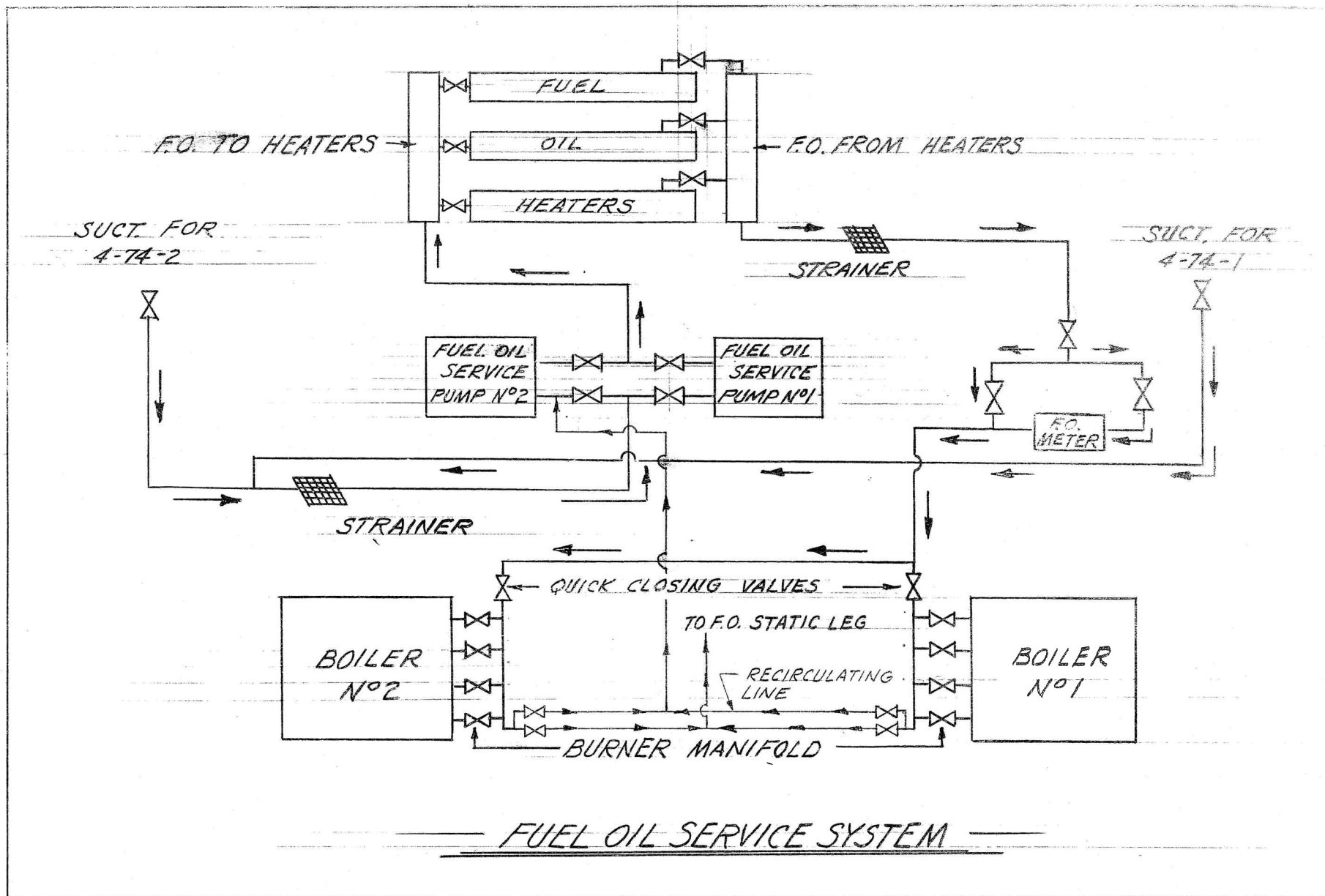


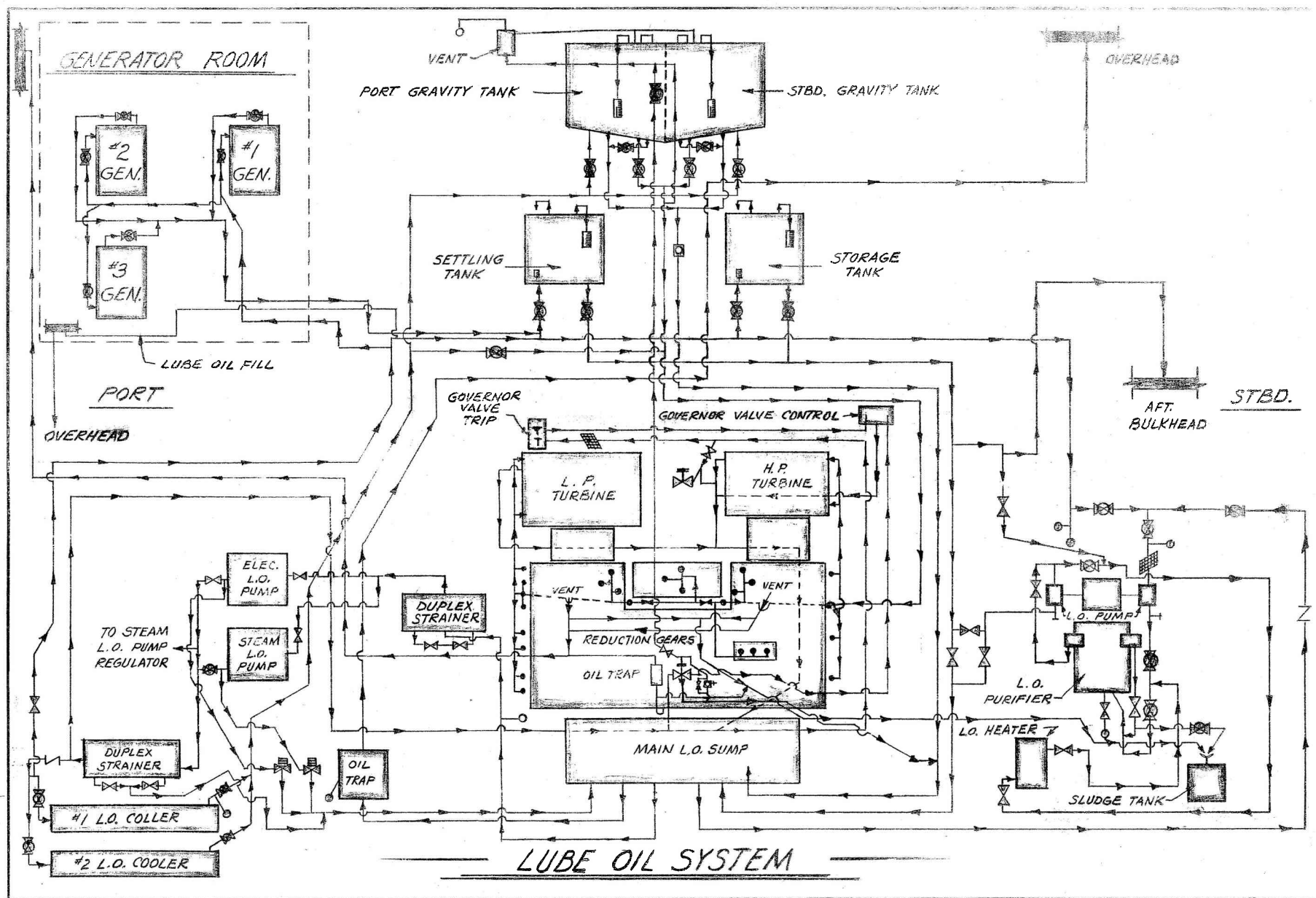


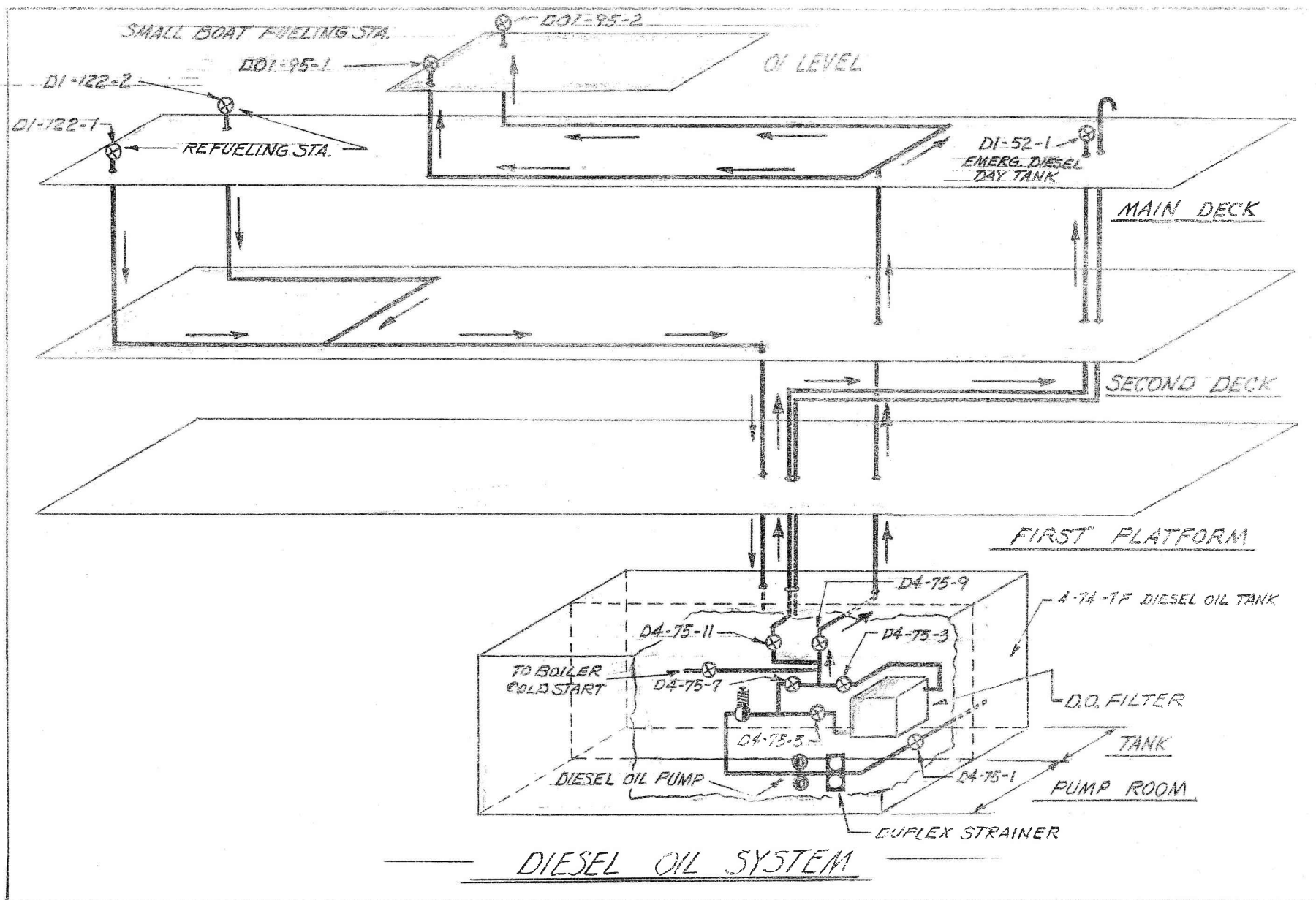


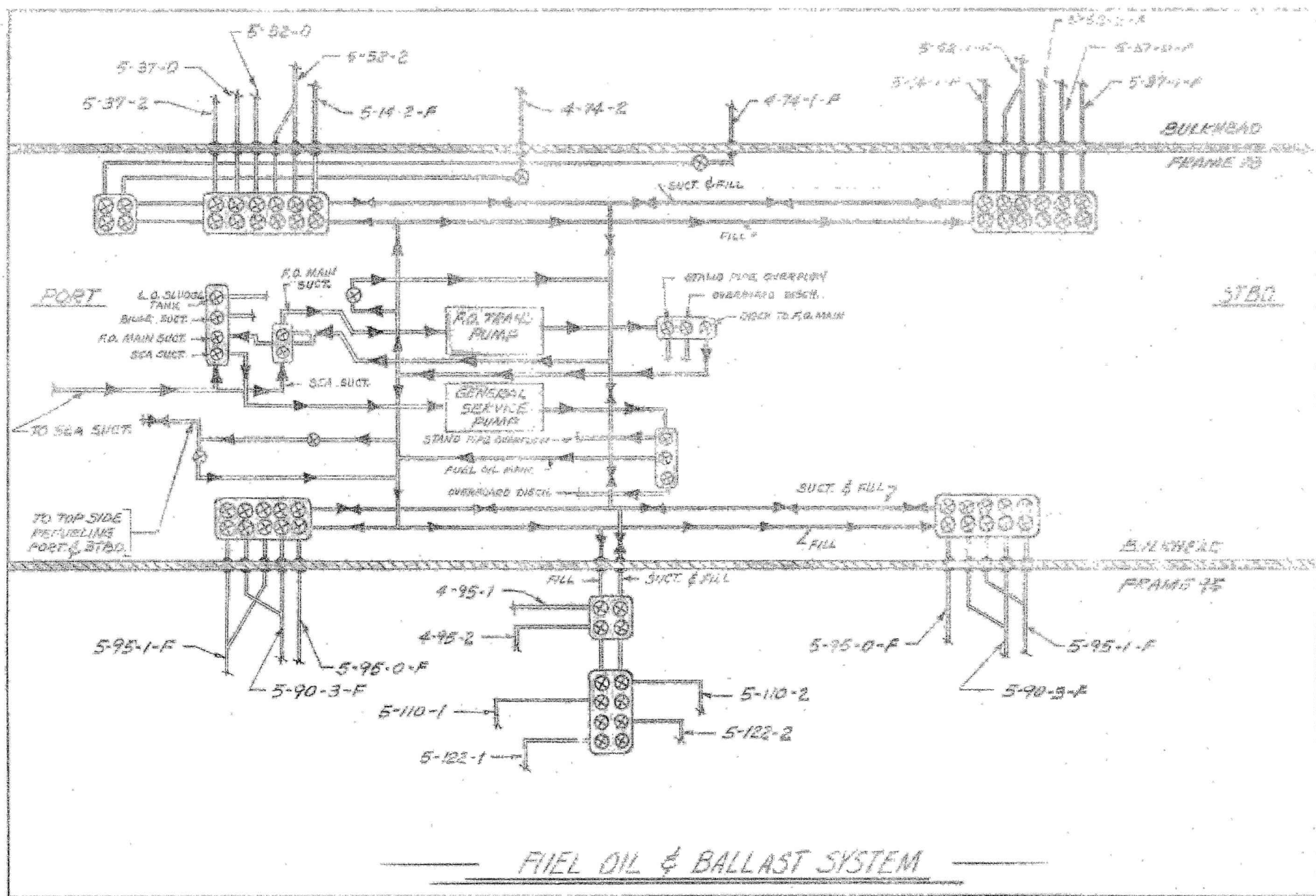




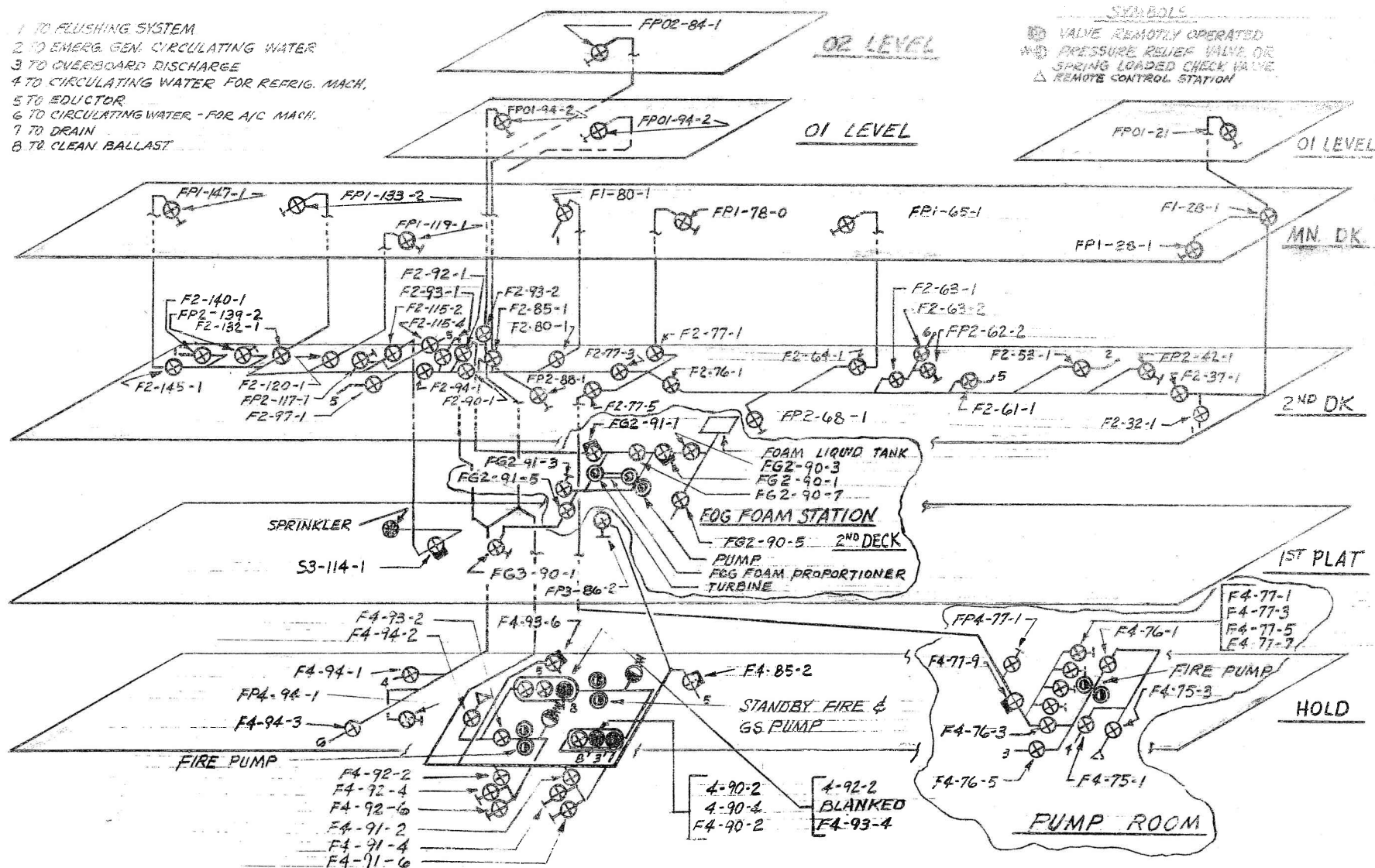




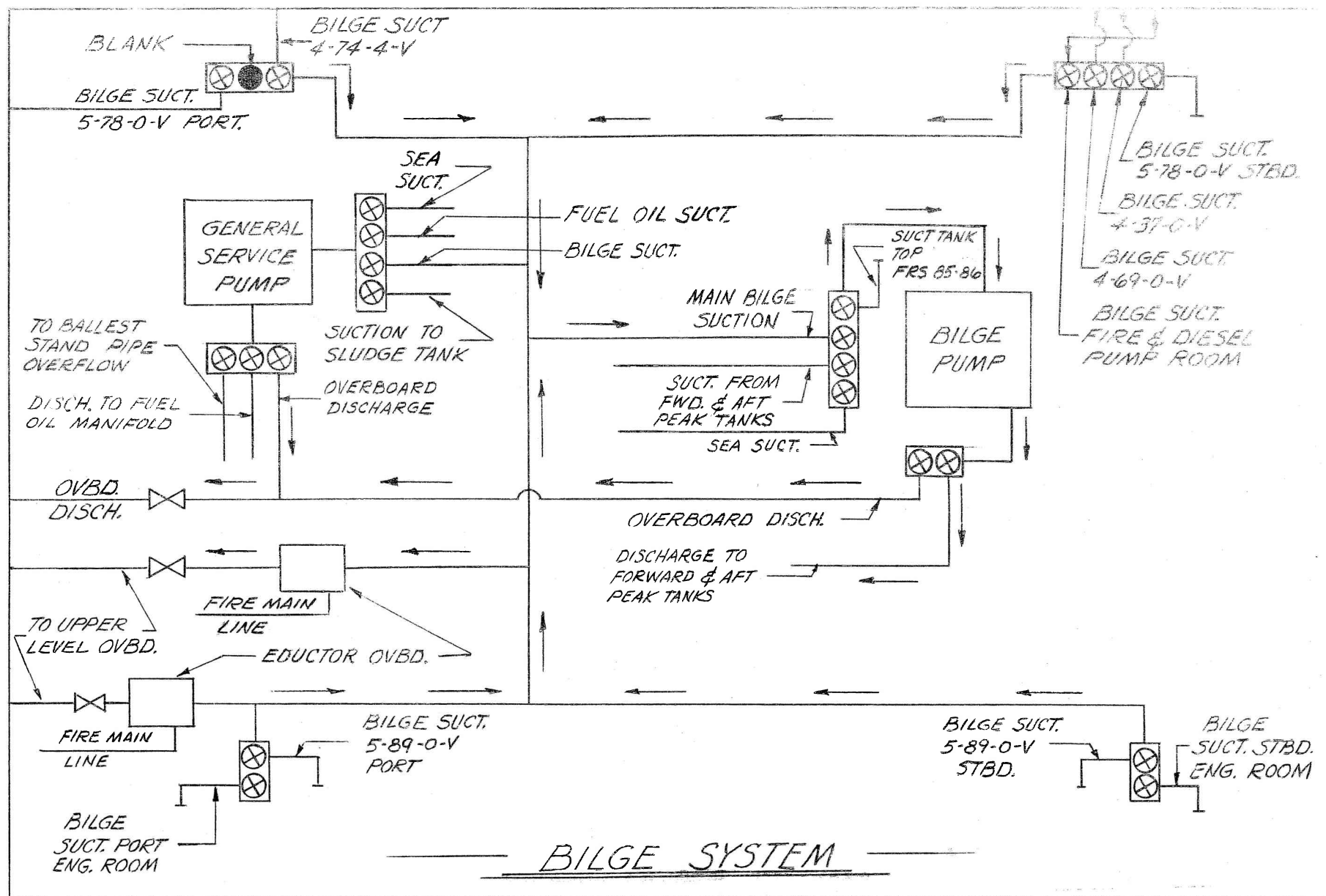


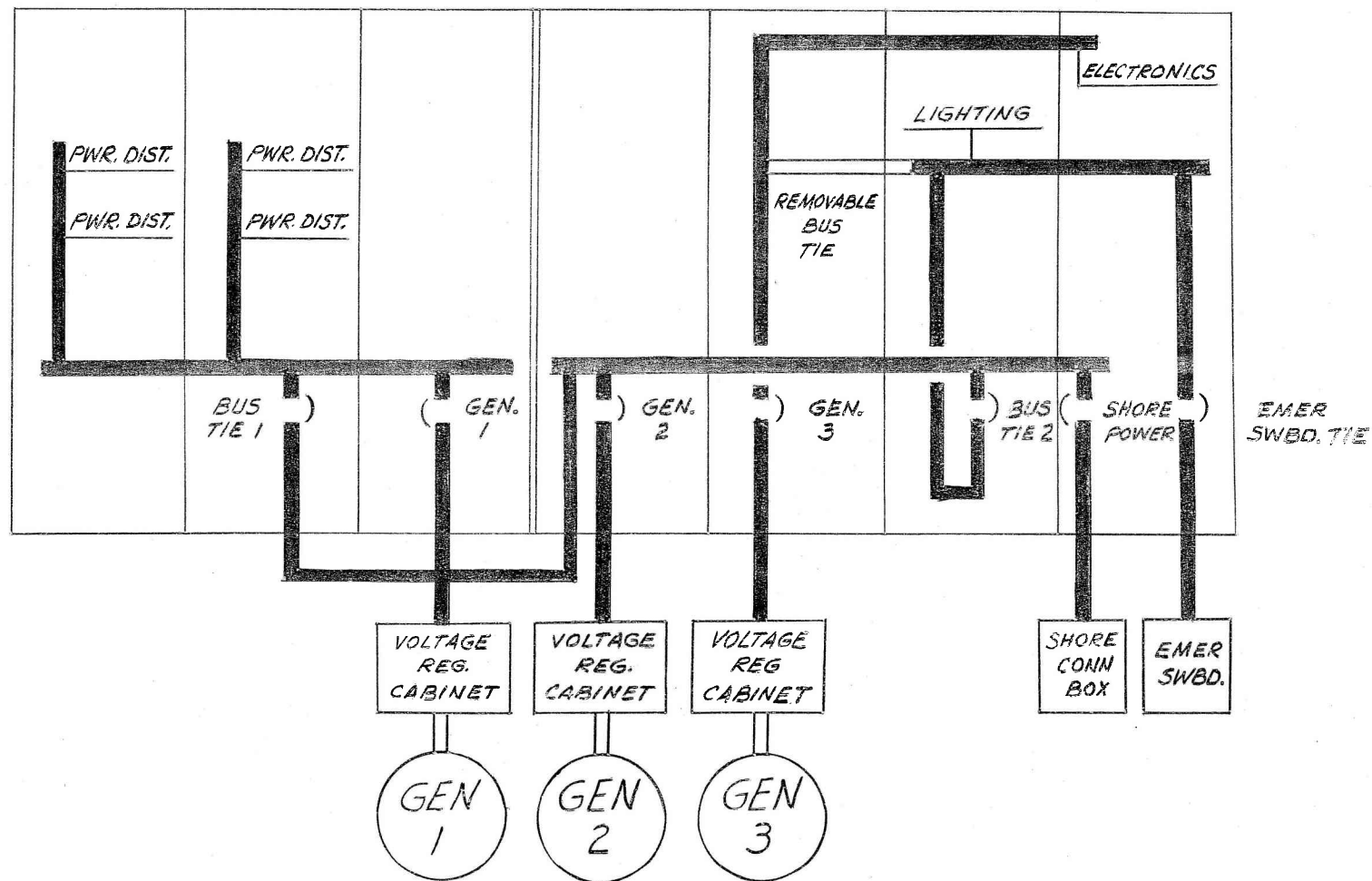


- SYMBOLS
- ① VALVE REMOTELY OPERATED
- ② PRESSURE RELIEF VALVE OR
SPRING LOADED CHECK VALVE
- △ REMOTE CONTROL STATION

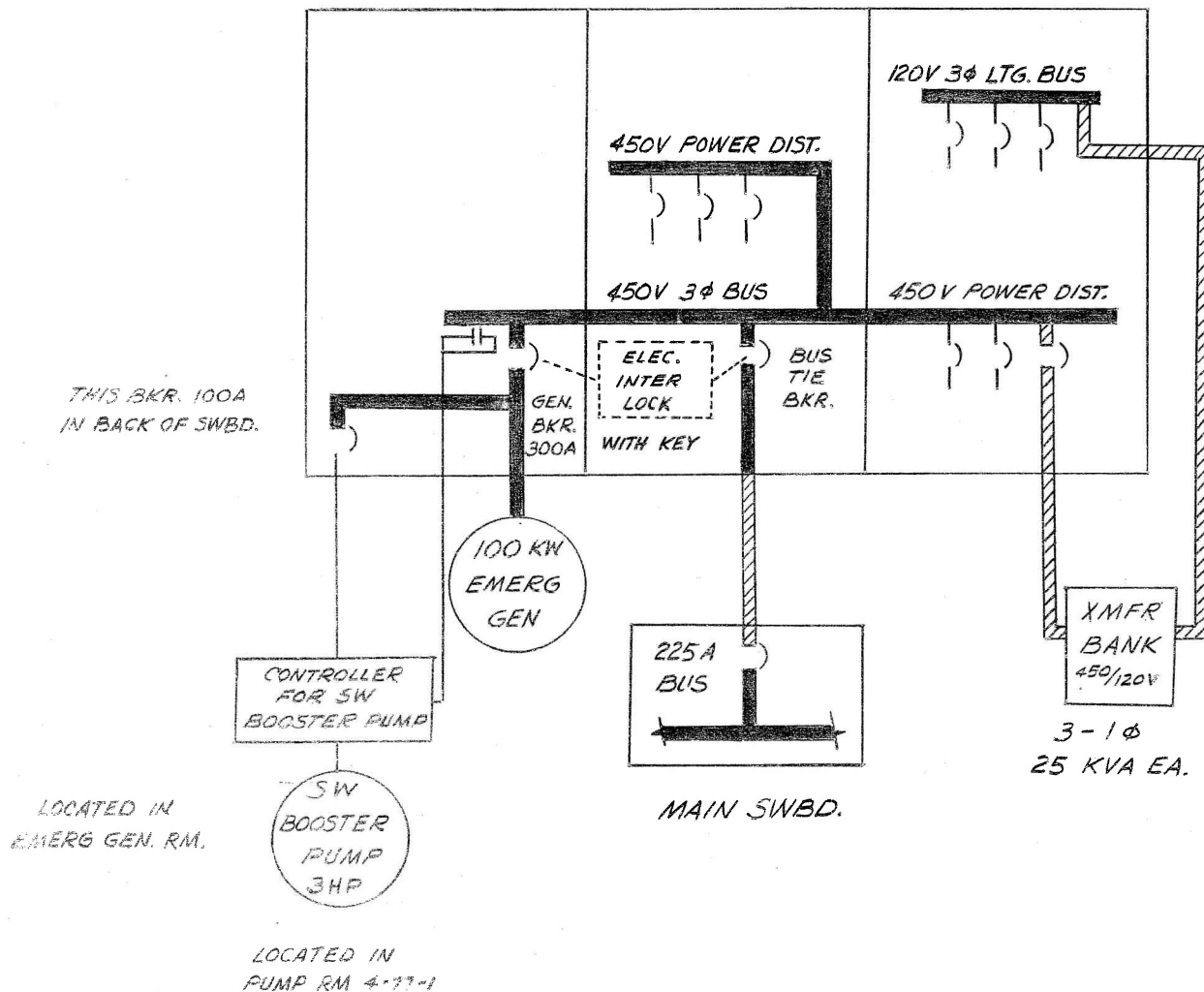


FIRE MAIN & FLUSHING SYSTEMS

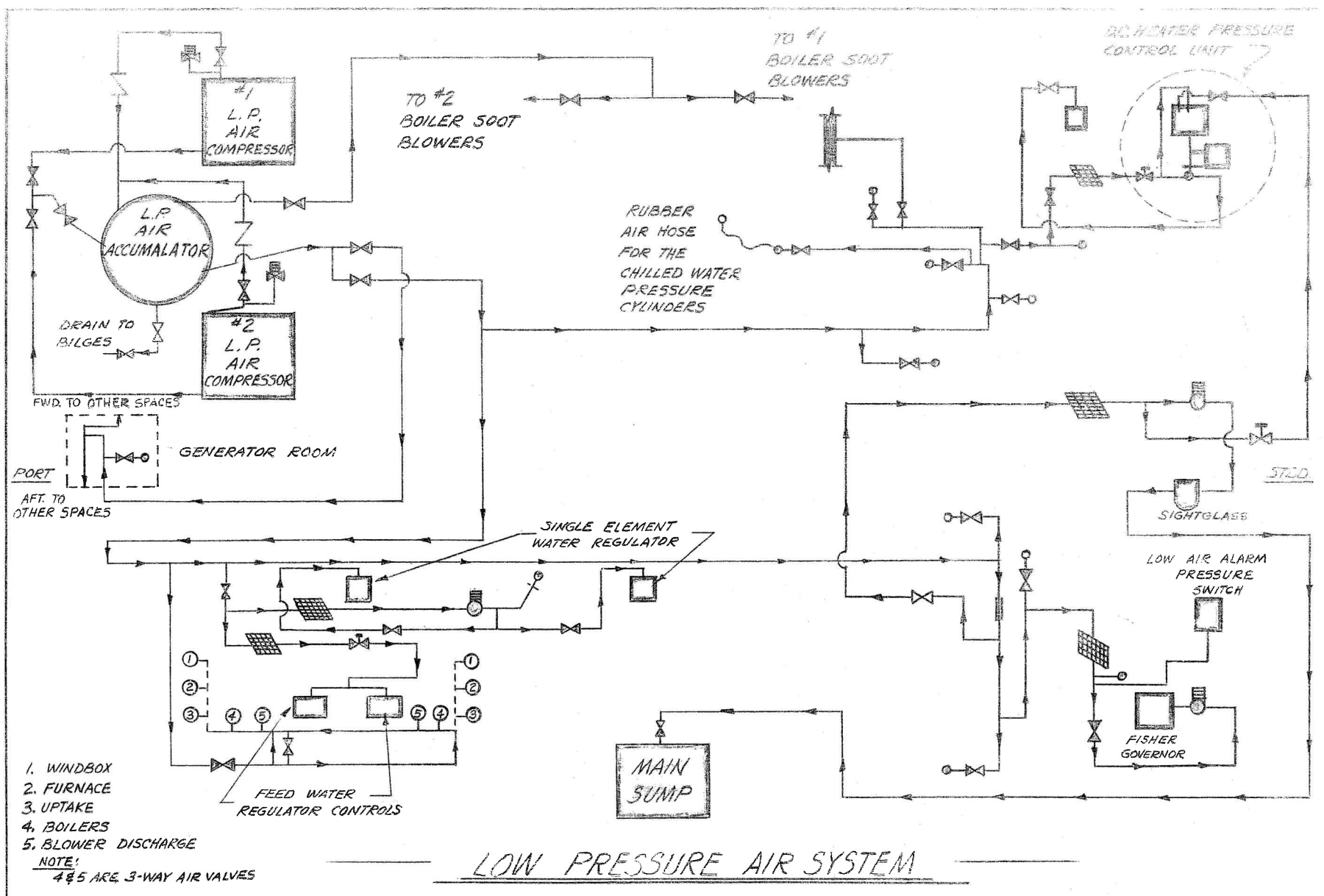


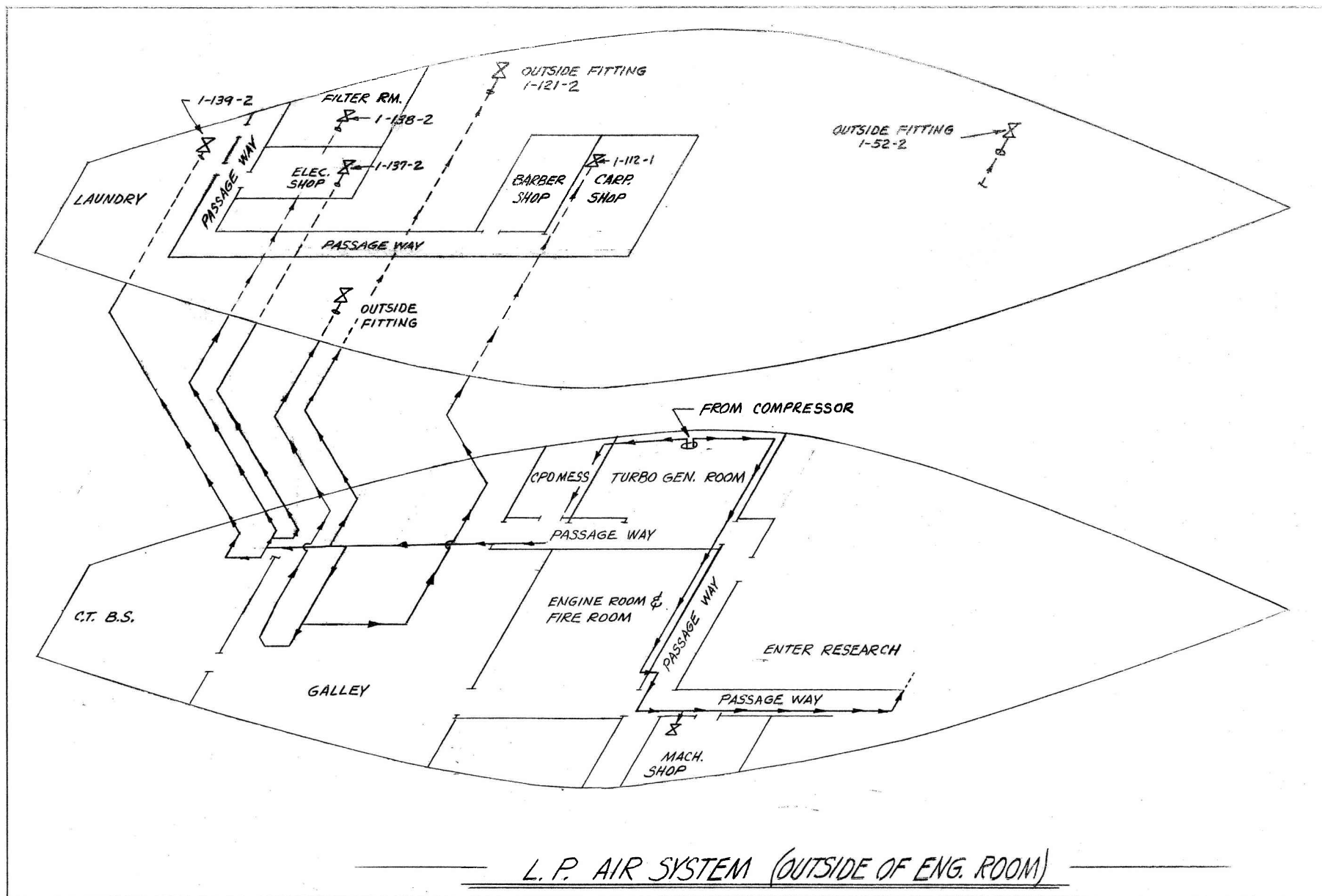


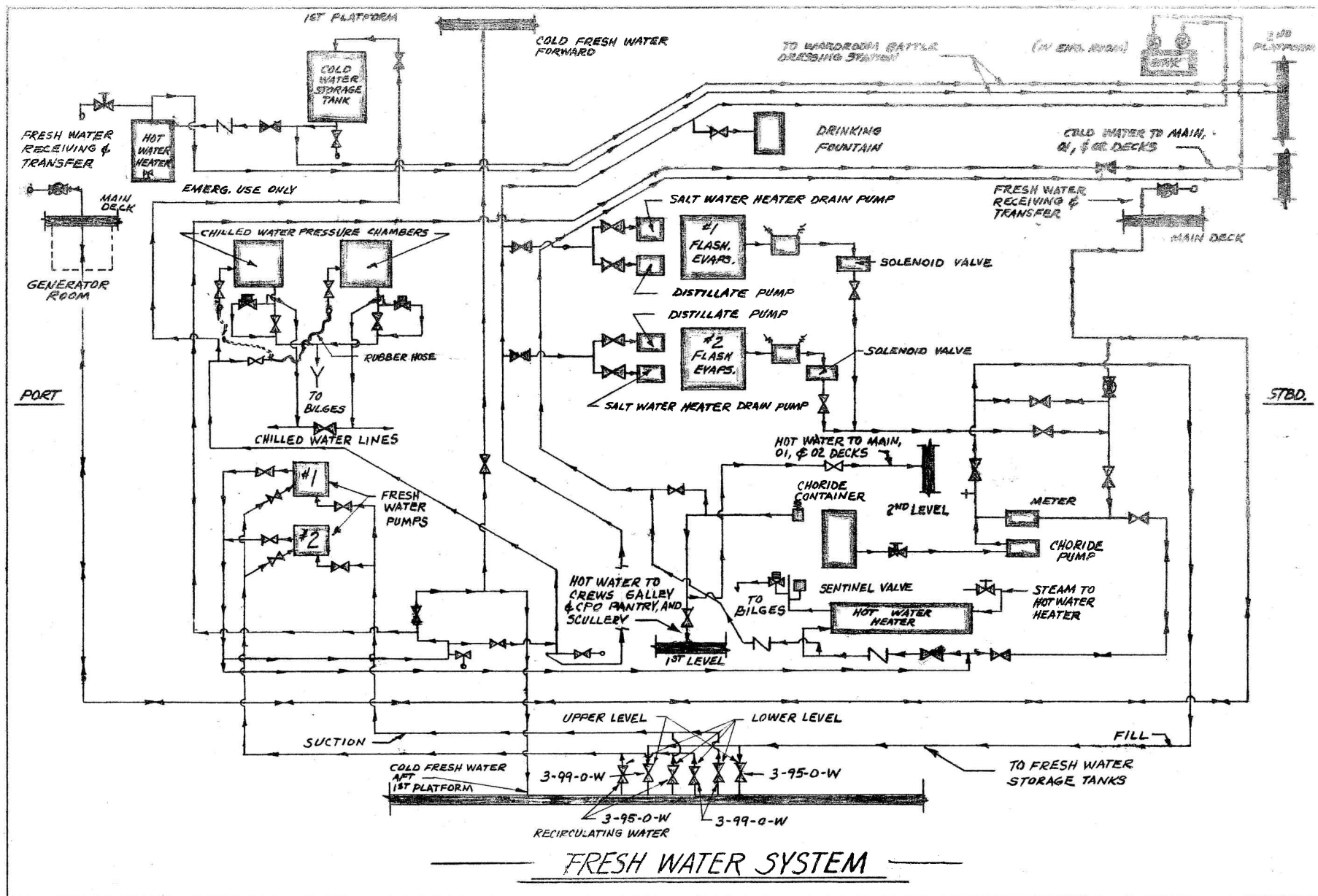
— MAIN SWITCHBOARD BUSSING AND CONTROL POWER CIRCUITS —

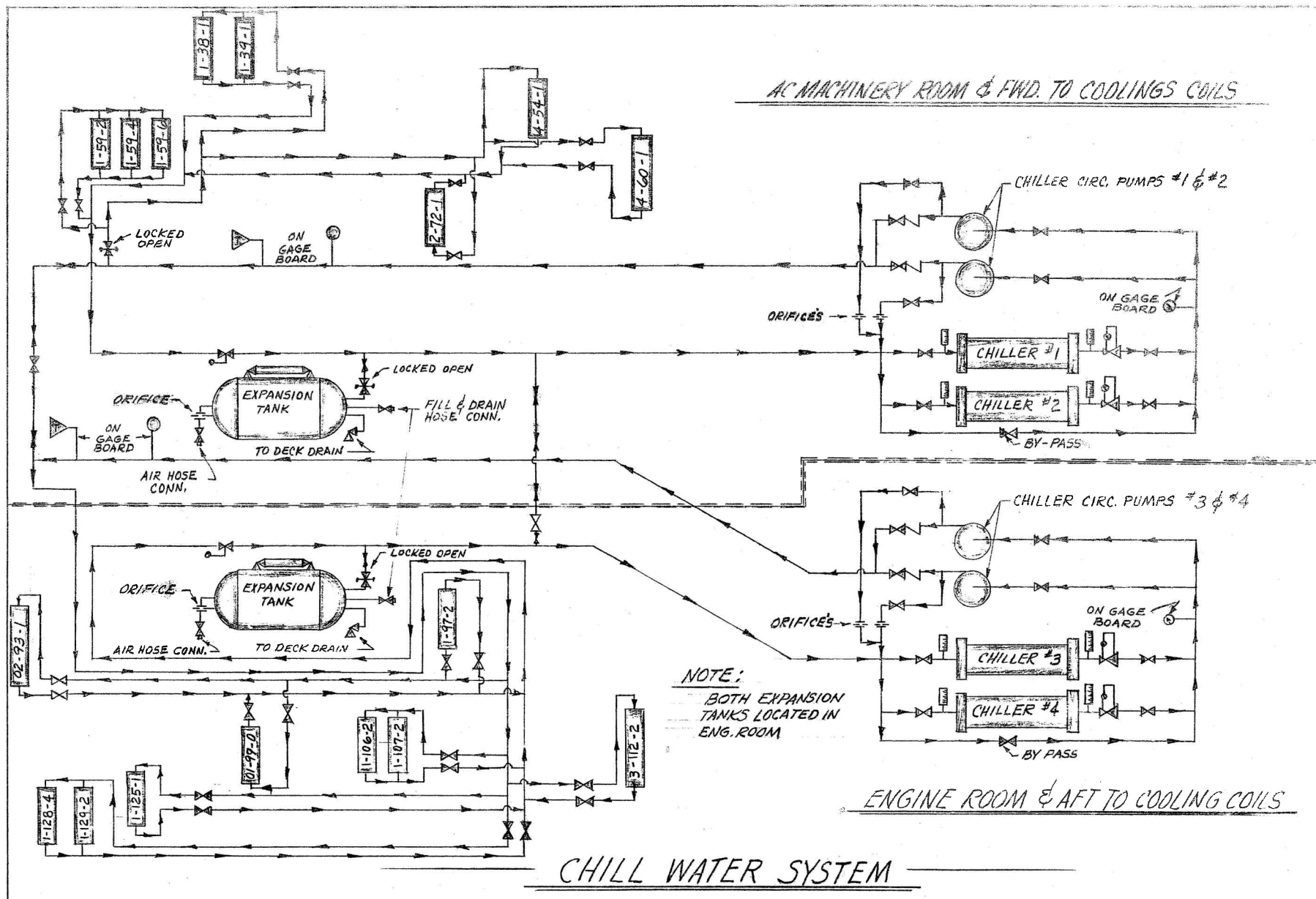


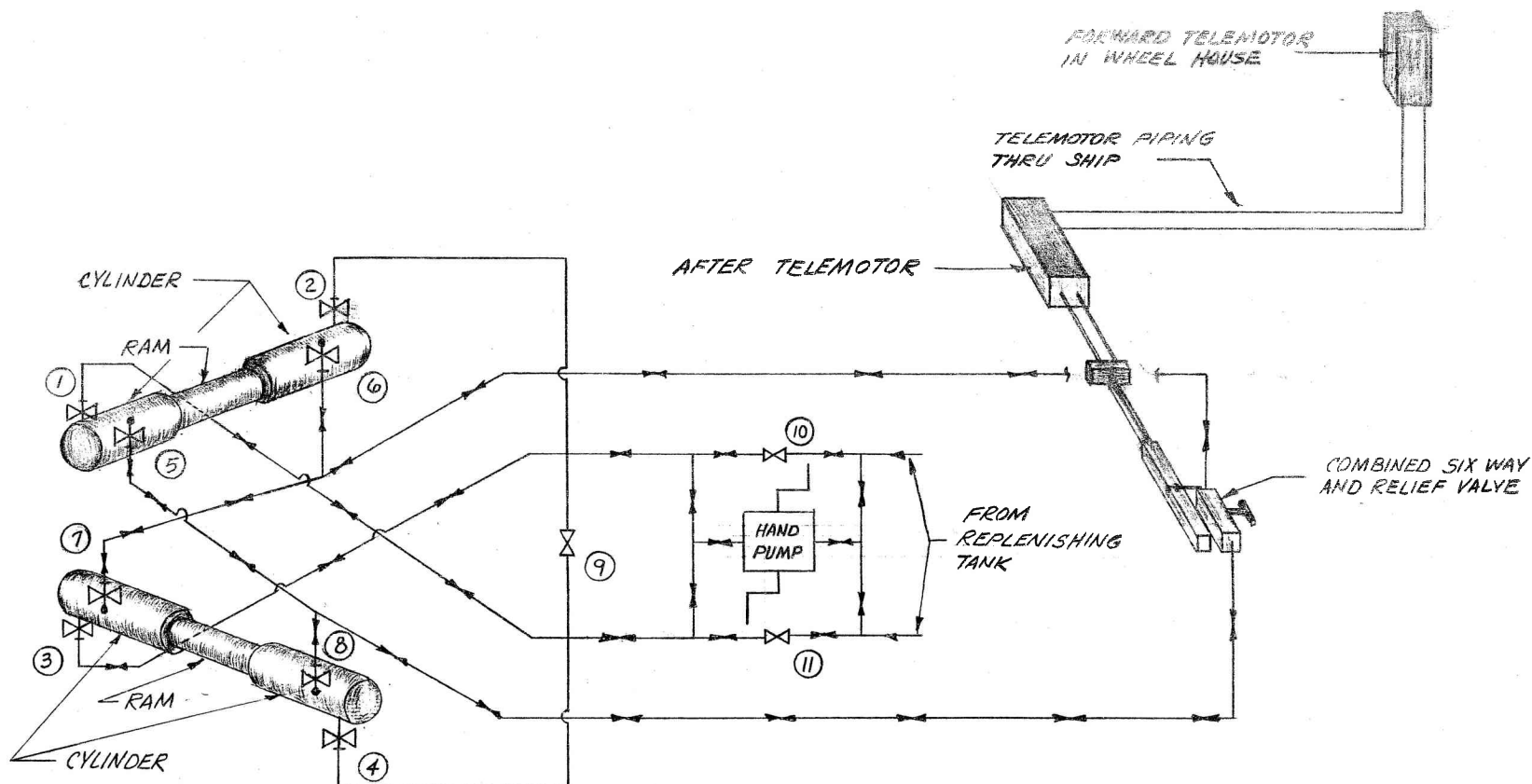
EMERGENCY SWITCHBOARD BUS ARRANGEMENT







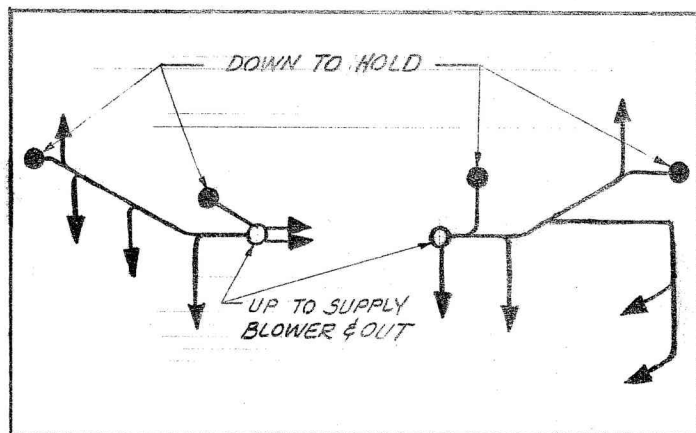




NOTE

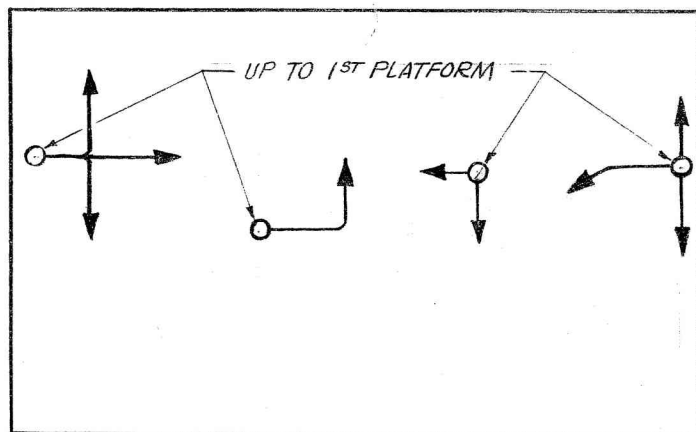
- 1, 2, 3, & 4 CYLINDER DRAIN VALVES (RED IN COLOR) NORMALLY CLOSED
- 5, 6, 7, & 8 PRESSURE VALVES (BLACK IN COLOR) NORMALLY OPEN
- 9 BY PASS VALVE (BLACK IN COLOR) NORMALLY OPEN
- 10 & 11 SUCTION AND DISCHARGE VALVES FOR HAND PUMP (RED IN COLOR) NORMALLY OPEN

HYDRAULIC SYSTEM TO AFTER STEERING

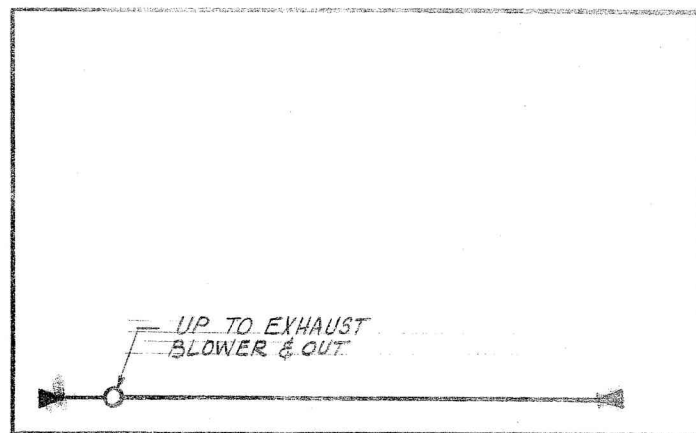


PORT

UPPER LEVEL

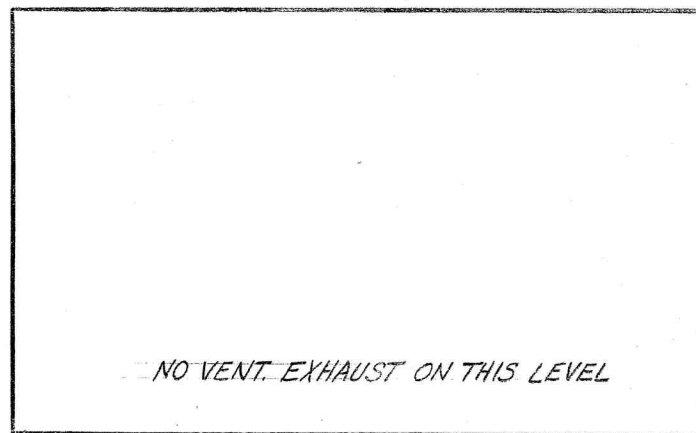


LOWER LEVEL



UPPER LEVEL

STBD.



LOWER LEVEL

SUPPLY ← → EXHAUST

ENGINE ROOM - VENTILATION SYSTEM

