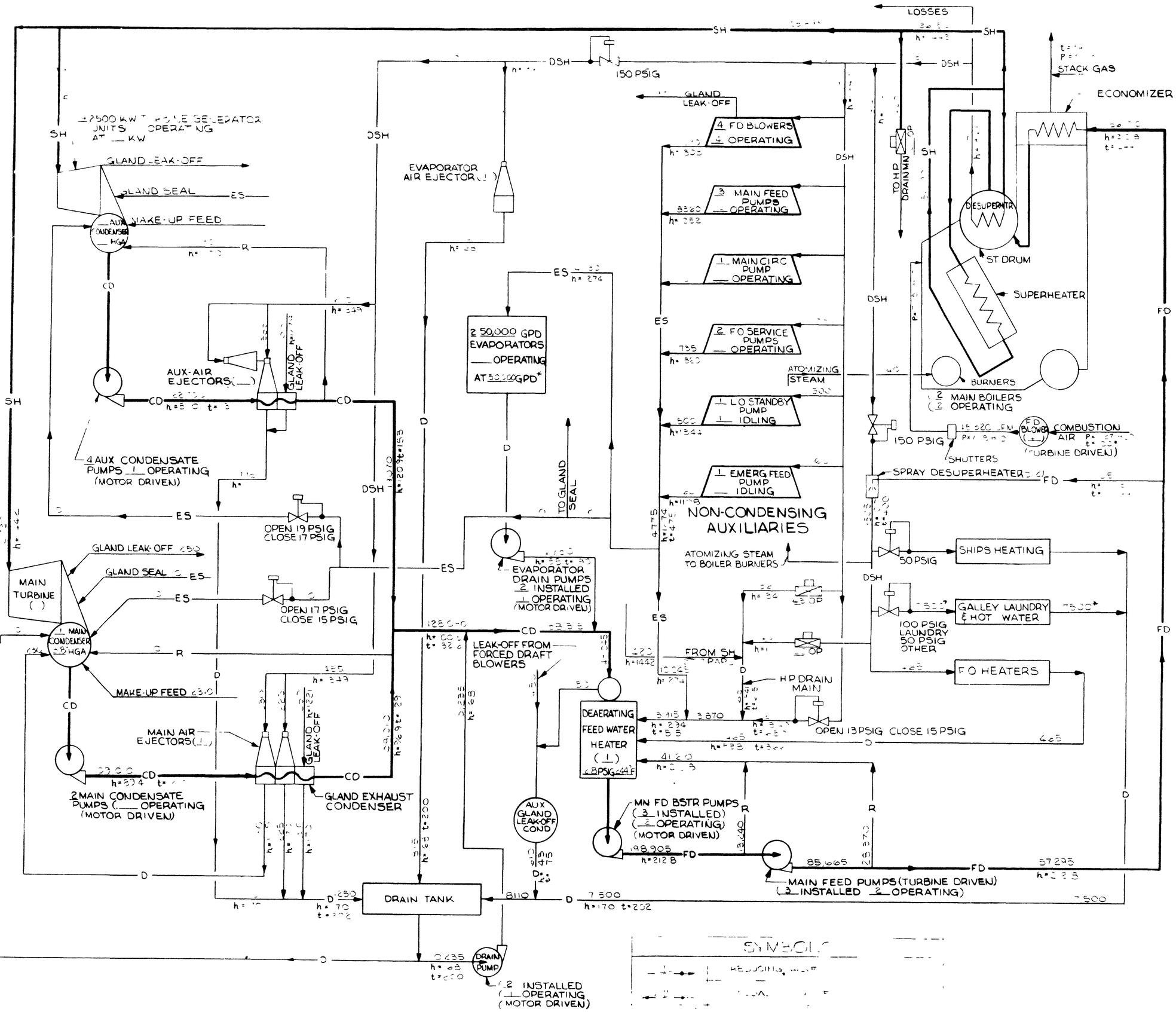

OPERATING CONDITIONS

1	SHAFT HORSEPOWER	SHP*
2	ESTIMATED SPEED	KNOTS
3	TRIAL DISPLACEMENT	TONS
4	STEAM PRESSURE (BOILER DRUM)	PSIG
5	STEAM PRESSURE SUPERHEATER OUTLET)	PSIG
6	STEAM PRESSURE DESUPERHEATER OUTLET)	PSIG
7	STEAM TEMPERATURE (SUPERHEATER OUTLET)	°F
8	STEAM TEMPERATURE (DESUPERHEATER OUTLET	°F
9	MAIN TURBINE & TURBINE GEN THROTTLE PRESS	PSIG
10	MAIN TURBINE & TURBINE GEN. THROTTLE TEMP	°F
11	AUX TURBINE (DESUP) THR PRESS	PSIG
12	AUX TURBINE (DESUP) THR TEMP	°F
13	MAIN TURBINE CONDENSER ABS PRESS	IN HGA
14	TURBINE GENERATOR CONDENSER ABS PRESS.	IN HGA
15	AUXILIARY EXHAUST PRESSURE	PSIG
16	DEAERATING FEED TANK PRESSURE	PSIG
17	FEED WATER TEMPERATURE	°F
18	AUXILIARY ELECTRIC LOAD	KW*
19	BOILER OVERALL EFFICIENCY	%
20	BLOWER STATIC PRESSURE	IN H_2O
21	FUEL CONSUMPTION	LB/HR
22	SPECIFIC FUEL RATE TARGET = .740*	LB/SHP-HR
23	MAIN TURBINE WATER RATE	LB/SHP-HR
24	TURBINE GENERATOR WATER RATE	LB/KW-HR
25	SEA WATER TEMPERATURE	°F*
26	OUTSIDE AIR TEMPERATURE	°F*
27	PROPELLER RPM	RPM
28	FUEL OIL HHV	BTU/LB*

LEGEND

SH	SUPERHEATED
CD	CONDENSATE
FD	FEED
DSH	DESUPERHEATED
ES	AUXILIARY EXHAUST
D	DRAINS
R	RECIRCULATION

NOTES:

1. QUANTITIES SHOWN ABOVE FLOW LINE FOR ALL FLUIDS ARE IN LB/HR
2. THUS h ARE ENTHALPIES IN BTU/LB
3. TEMPERATURES IN °F
4. MARKED * STANDARD DESIGN CONDITION

SYMBOLS

HEAT BALANCE AND FLOW DIAGRAM
80% FULL POWER
(2 BOILERS)

AS3 800 2013870