

DRAWING NO

DRAWING NUMBER  
8770-C-057  
SH 1

DRAWING NUMBER

NG NUMBER

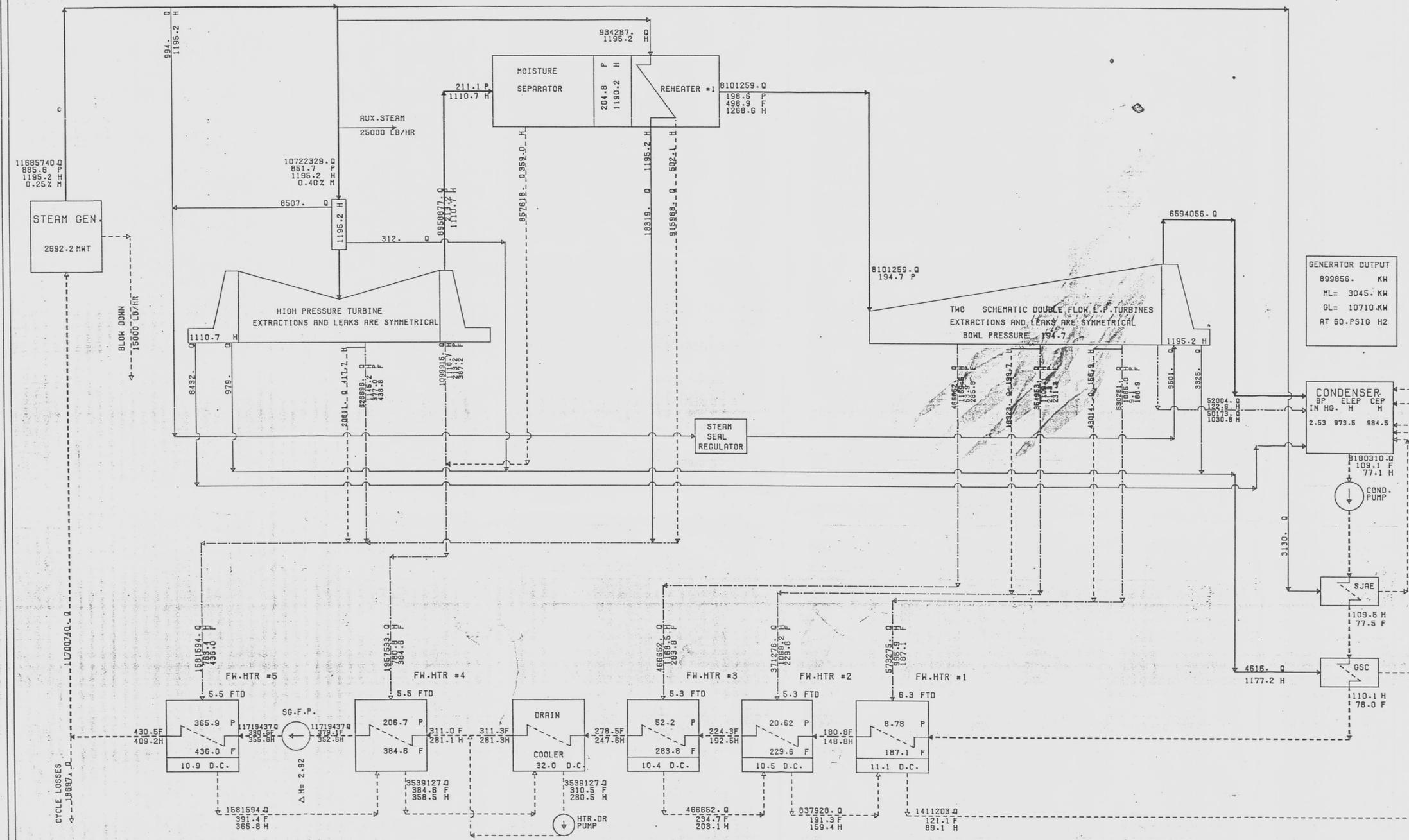
PLAN HOLD CORPORATION  
RYAN, CALIFORNIA  
REVISION NUMBER C

PLAN HOLD CORPORATION  
RYAN, CALIFORNIA  
REVISION NUMBER D

PLAN HOLD CORPORATION  
RYAN, CALIFORNIA  
REVISION NUMBER E

PLAN HOLD CORPORATION  
RYAN, CALIFORNIA  
REVISION NUMBER F

8770-C-057 SH 1



GENERATOR OUTPUT  
 899856. KW  
 ML= 3045. KW  
 GL= 10710. KW  
 AT 60. PSIG H2

CONDENSER  
 899856.0 KW  
 ML= 3045.0 KW  
 GL= 10710.0 KW  
 AT 60.0 PSIG H2



PERFORMANCE

GROSS GENERATION  
 899856. KW

TURBINE HEAT-RATE  
 10206.7 BTU/KW-HR

LEGEND

- Q----FLOW-LBS/HR
- F----TEMPERATURE- F
- P----PRESSURE-LBS/SQ. IN ABS.
- H----ENTHALPY OF STEAM-BTU/LB
- FTD--TERMINAL DIFFERENCE (F)
- ELEP--EXPANSION LINE END POINT
- UEEP--USED ENERGY END POINT
- D.C.--DRAIN-COOLER APPROACH (F)
- S.C.--SUBCOOLING (F)
- STEAM
- WATER
- EXTRACTION STEAM
- TWO PHASE FLOW
- MAIN PATH

SHEET NO	THROTTLE FLOW LBS/HR	THROTTLE PRESSURE PSIA	BACK PRESSURE IN. HG ABS	CYCLE LOSSES LBS/HR	BLOW DOWN LBS/HR	NOTES
1.	10722329.	852	2.53	18697.	15000.	STRETCH POWER
2.	10146369.	853	2.53	17737.	15000.	2670 MWT
3.	7640832.	861	2.53	13549.	15000.	75% LOAD POINT
4.	5064205.	867	2.53	9174.	15000.	50% LOAD POINT
5.	2617575.	873	2.53	4944.	15000.	25% LOAD POINT

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FLORIDA POWER & LIGHT COMPANY  
 ST. LUCIE PLANT  
 1976 - 890,000 KW INSTALLATION UNIT NO. 1  
 HEAT BALANCE  
 2690 MWT CONSTANT BACK PRESSURE  
 AT 2690 MWT LOAD POINT

EBASCO SERVICES INCORPORATED NEW YORK

NO.	DATE	REVISION	BY	CH.	APPROVED
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SCALE-NONE APPROVED DATE 9-8-82  
 DIV. DR. CH. APPROVED  
 8770-C-057 SH 1

E