

DRAWING NUM

DRAWING NUMBER
8770-C-057
SH 3

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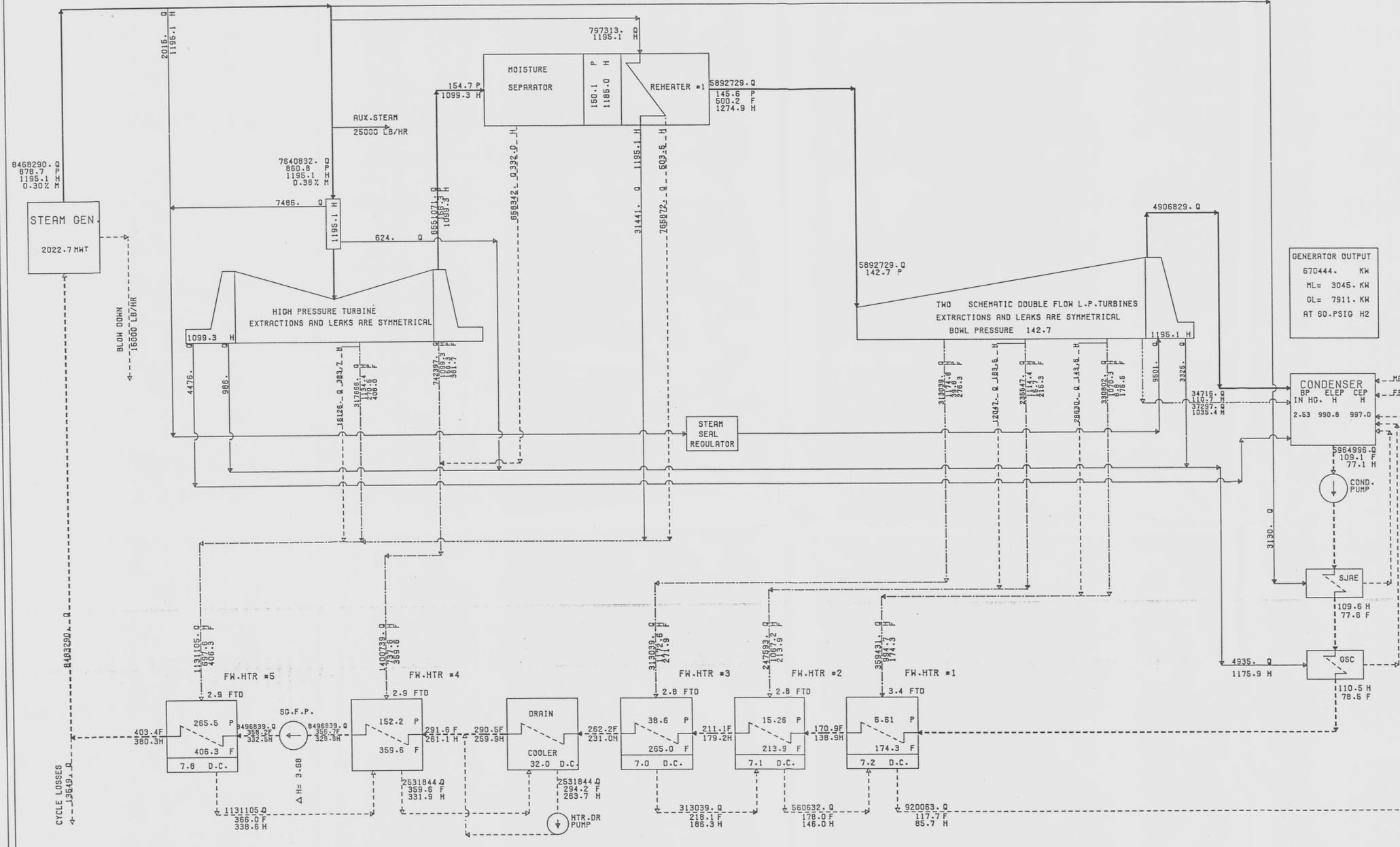
MBER

PLAN HOLD CORPORATION - IRVINE, CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER

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REGISTERED PROFESSIONAL ENGINEER

IRVINE, CALIFORNIA
7548

8770-C-057 SH 3



GENERATOR OUTPUT
 670444. KW
 ML= 3045. KW
 GL= 7911. KW
 AT 60. PSIG H2



PERFORMANCE

GROSS GENERATION KW.	TURBINE HEAT-RATE BTU/KW-HR
670444.	10291.0

LEGEND

- Q----FLOW-LBS/HR
- F----TEMPERATURE- F
- P----PRESSURE-LBS/SG. IN ABS.
- H----ENTHALPY OF STEAM-BTU/LB
- FTD--TERMINAL DIFFERENCE (F)
- ELEP--EXANSION 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.	2570 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

THIS DOCUMENT IS THE PROPERTY OF EBASCO SERVICES INCORPORATED. ITS USE IS EXPRESSLY RESTRICTED BY THE TERMS OF THE CONTRACT, DATED AS OF AUGUST 10, 1968 BETWEEN EBASCO SERVICES INCORPORATED AND FLORIDA POWER & LIGHT COMPANY.

FLORIDA POWER & LIGHT COMPANY
 ST. LUCIE PLANT
 1976 - 890,000 KW INSTALLATION UNIT NO.1
HEAT BALANCE
2690 MWT CONSTANT BACK PRESSURE
AT 2025 MWT LOAD POINT

EBASCO SERVICES INCORPORATED NEW YORK

SCALE-NONE	APPROVED	DATE 9-8-82
DIV. _____	<i>[Signature]</i>	
DR. J.M. _____	<i>[Signature]</i>	8770-C-057
CH. _____	<i>[Signature]</i>	SH 3

NO.	DATE	REVISION	BY	CH.	APPROVED
---	---	DRAWING ORIGINALLY APPROVED	---	---	---
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