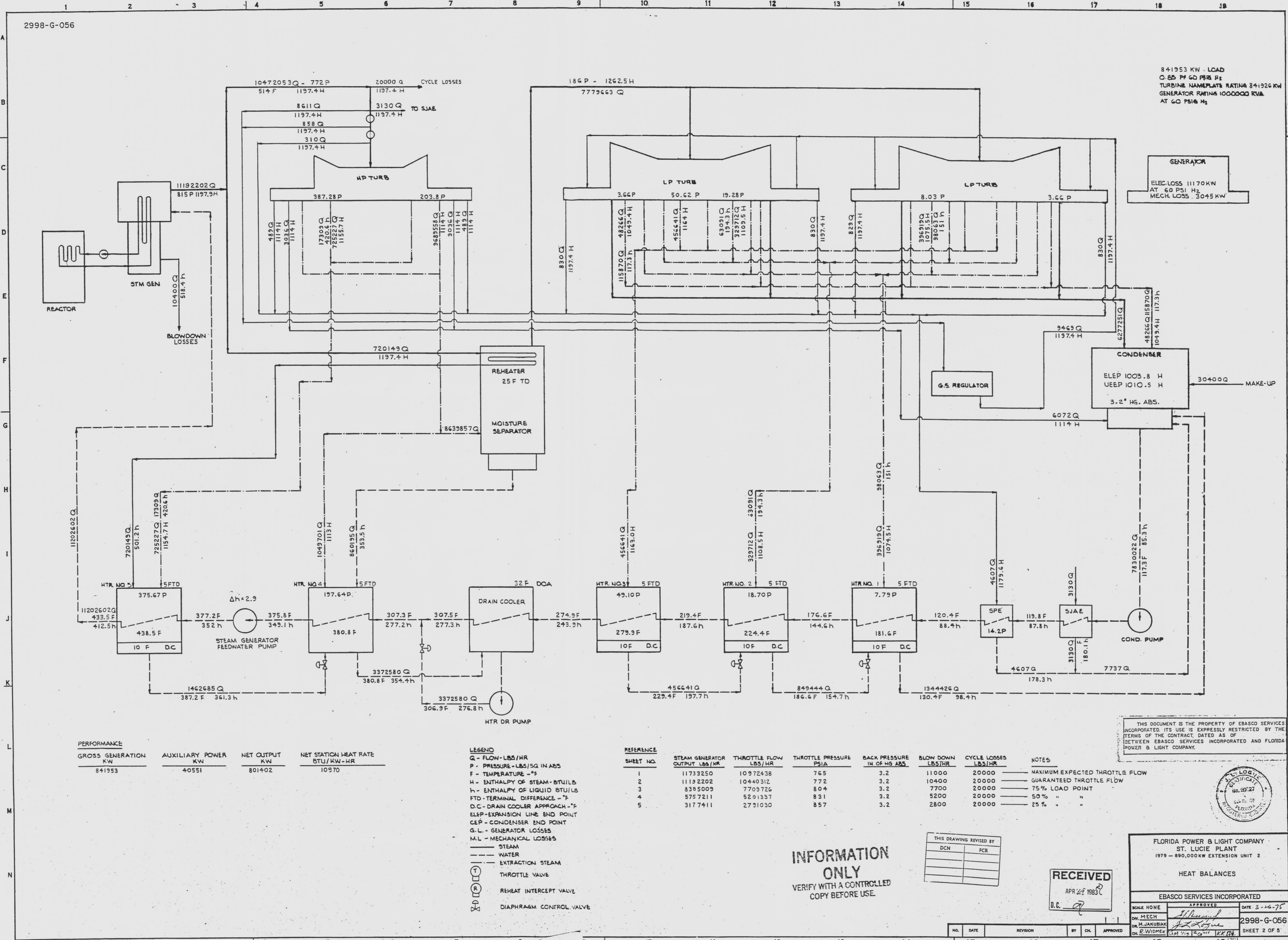


2998-G-056 SH 2



841953 KW LOAD
 0.85 PF GO PER P2
 TURBINE NAMEPLATE RATING 841926 KW
 GENERATOR RATING 1000000 KVA
 AT 60 PSI H₂

GENERATOR
 ELEC. LOSS 11170 KW
 AT 60 PSI H₂
 MECH. LOSS 3045 KW

CONDENSER
 ELEP 1003.8 H
 UEUP 1010.5 H
 3.2" HG. ABS.

PERFORMANCE			
GROSS GENERATION KW	AUXILIARY POWER KW	NET OUTPUT KW	NET STATION HEAT RATE BTU/KW-HR
841953	40551	801402	10570

- LEGEND**
- Q - FLOW - LBS/HR
 - P - PRESSURE - LBS/SQ IN ABS
 - F - TEMPERATURE - °F
 - H - ENTHALPHY OF STEAM - BTU/LB
 - h - ENTHALPHY OF LIQUID - BTU/LB
 - FTD - TERMINAL DIFFERENCE - °F
 - D.C. - DRAIN COOLER APPROACH - °F
 - ELEP - EXPANSION LINE END POINT
 - CEP - CONDENSER END POINT
 - G.L. - GENERATOR LOSSES
 - M.L. - MECHANICAL LOSSES
 - STEAM
 - WATER
 - - - - - EXTRACTION STEAM
 - THROTTLE VALVE
 - REHEAT INTERCEPT VALVE
 - DIAPHRAGM CONTROL VALVE

REFERENCE				
SHEET NO.	STEAM GENERATOR OUTPUT LBS/HR	THROTTLE FLOW LBS/HR	THROTTLE PRESSURE PSIA	BACK PRESSURE IN OF HG ABS
1	11733250	10972438	765	3.2
2	11192202	10440312	772	3.2
3	8385009	7709726	804	3.2
4	5757211	5201337	831	3.2
5	3177411	2721030	857	3.2

NOTES		
BLOW DOWN LBS/HR	CYCLE LOSSES LBS/HR	
11000	20000	MAXIMUM EXPECTED THROTTLE FLOW
10400	20000	GUARANTEED THROTTLE FLOW
7700	20000	75% LOAD POINT
5200	20000	50% " "
2800	20000	25% " "

INFORMATION ONLY
 VERIFY WITH A CONTROLLED COPY BEFORE USE.

THIS DRAWING REVISED BY	
DCN	FCR

RECEIVED
 APR 22 1983
 D.C. [Signature]

FLORIDA POWER & LIGHT COMPANY
 ST. LUCIE PLANT
 1979 - 890,000KW EXTENSION UNIT 2

HEAT BALANCES

EBASCO SERVICES INCORPORATED

SCALE NONE APPROVED DATE 3-26-75
 DW. MECH. [Signature] 2998-G-056
 CH. H. JAKUBIAK [Signature]
 CH. E. WIDMER [Signature]

SHEET 2 OF 5

NO.	DATE	REVISION	BY	CHK.	APPROVED

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