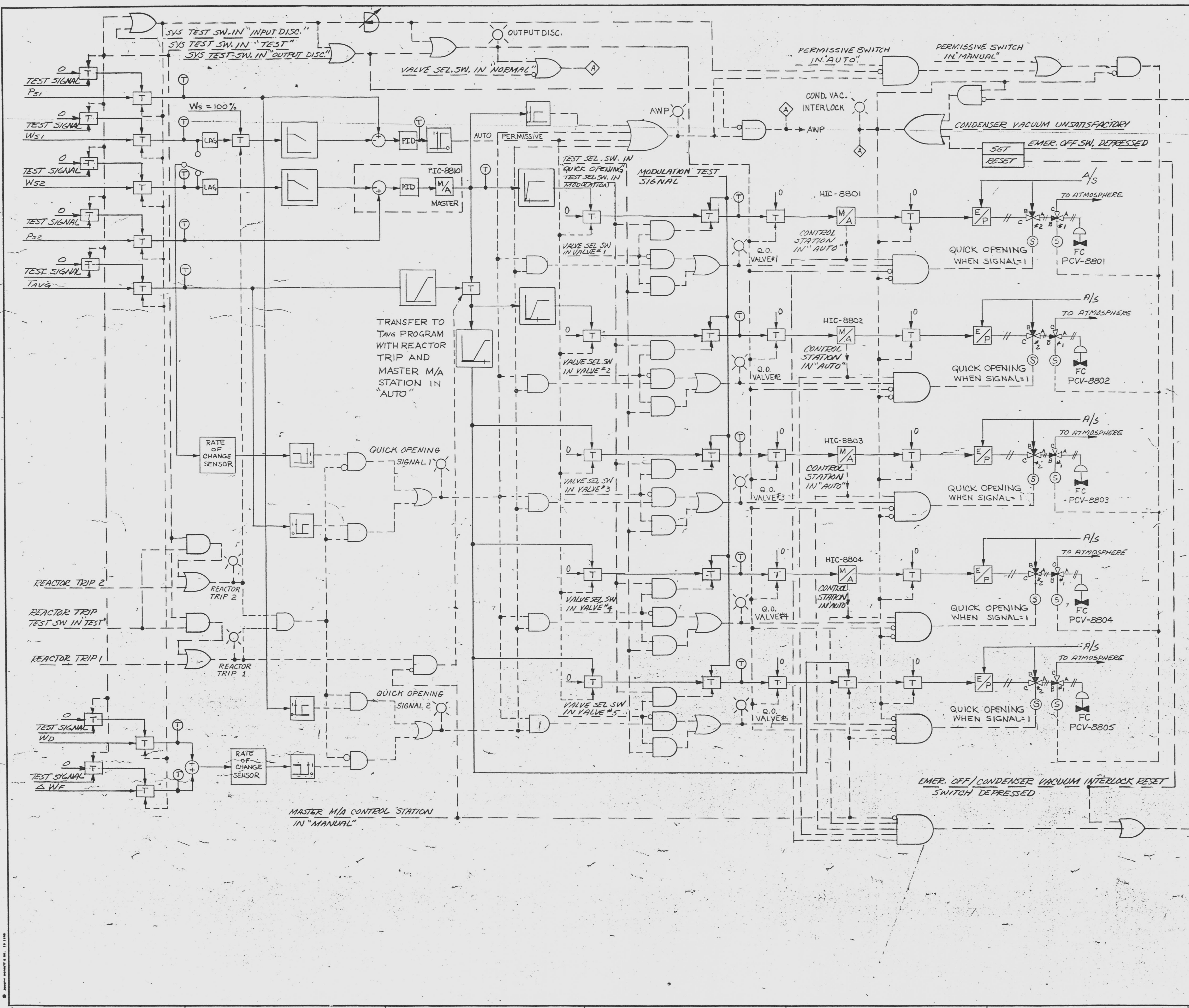


2998-3055 R/L

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LEGEND:

- SET/RESET:** RETENTIVE MEMORY WHEN a=1 & b=0 → x=1. WHEN a=0 & b=1 → x=0. WHEN A INPUT IS MAINTAINED AT a, INTRODUCTION OF A SIGNAL AT b HAS NO EFFECT ON OUTPUT CONDITIONS. IN CASE OF POWER INTERRUPTION THE MEMORY RETURNS TO THE CONDITION LAST PRESENT.
- ANALOG SIGNAL:** BINARY SIGNAL (B.S.)
- TRANSFER STATION:** PATH IS STRAIGHT THROUGH (O=I) WHEN B.S.=0. LATERAL SIGNAL IS PASSED (O=I₂) WHEN B.S.=1 (TRANSFER CONDITION).
- ANALOG SUMMER:** I₁, I₂ → O
- PROPORTIONAL PLUS INTEGRAL PLUS DERIVATIVE CONTROLLER:** I → O
- MANUAL/AUTOMATIC CONTROL STATION:** M/A
- "AND" GATE:** OUTPUT IS 1 ONLY WHEN ALL INPUTS ARE 1.
- "OR" GATE:** OUTPUT IS 1 ONLY WHEN ALL INPUTS ARE 0.
- "NOT":** CHANGES 1 TO 0 & 0 TO 1.
- ELECTRIC TO PNEUMATIC CONVERTER:** MODULATES AIR PRESSURE ACCORDING TO ELECTRICAL INPUT SIGNAL.
- PNEUMATIC LINE:** //
- SOLENOID VALVE:** "A" CONNECTED TO "C" WHEN SOLENOID IS DE-ENERGIZED. "A" CONNECTED TO "B" WHEN SOLENOID IS ENERGIZED.
- LIGHT:** ☉
- PRESSURE CONTROLLED VALVE:** CLOSED ON LOSS OF PRESSURE.
- ADJUSTABLE TIME DELAY:** MODULATES TIME DELAY ONLY WHEN INPUT CHANGES FROM BINARY "1" TO BINARY "0".

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EBASCO SERVICES
ST. LUCIE PLANT

DESIGN FOR	DISCIPLINE	ENGINEERING FOR
INFO COMM	MECHANICAL	INFO COMM
	MECHANICAL	
	ARCH	
	STRUCT	
	INSTR'N	
	CONTROLS	
	PLUMBING	
	HVAC	
	ELECTRICAL	
	WTR TREAT	
	RADWASTE	
	STRESS	
	SHIELDING	
	MATERIALS	
	CONST	
	LICENSING	
	POAF SL2.7	
	GLEMMON	

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INFORMATION ONLY
VERIFY WITH A CONTROLLED COPY BEFORE USE.

CONTRACT NO. 13172

DRAWN BY: MULCRAN-SPEER
CHECKER: WINDSOR, CONN.
APPROVALS: MULLER, P. J. (11/1/76)
SCALE: DO NOT SCALE D'WG.

FLORIDA POWER & LIGHT CO.
ST. LUCIE PLANT
UNIT NO. 2-1978 890MW EXTENSION

STEAM BYPASS CONTROL SYSTEM BLOCK DIAGRAM

REVIEWED BY: C.W. (10/20/76)
DATE: 10/20/76

FLORIDA POWER & LIGHT CO.
ST. LUCIE PLANT
UNIT NO. 2-1978 890MW EXTENSION

COMPONENT CODE NO. SHEET OF REV.

2998-3055 R/O

FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT
1981 - 890,000 KW(e) EXTENSION - UNIT 2

P.O. C.E. 912

REVISION	DATE	DESCRIPTION
1		REVIEWED WITHOUT COMMENTS
2		REVIEWED WITH COMMENTS AS NOTED
3		NOT APPLICABLE
4		NO COMMENTS. NO PRINT RETURNED
5		FOR INFORMATION ONLY
6		NO FURTHER REPRODUCIBLE REQUIRED
7		RESUBMIT REVISED. SEE NOTE BELOW IF CHECKED HERE
8		RESUBMIT CLOTH OR MILAR REPRODUCIBLE AS SHIPPED
9		DO NOT PROCEED WITH FABRICATION. RESUBMIT REVISED REPRODUCIBLE

STEAM BYPASS CONTROL SYSTEM - BLOCK DIAGRAM

REVIEWED BY: C.W. (10/20/76)
DATE: 10/20/76

EBASCO SERVICES INCORPORATED
2 RECTOR ST., NEW YORK, N.Y. 10006

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