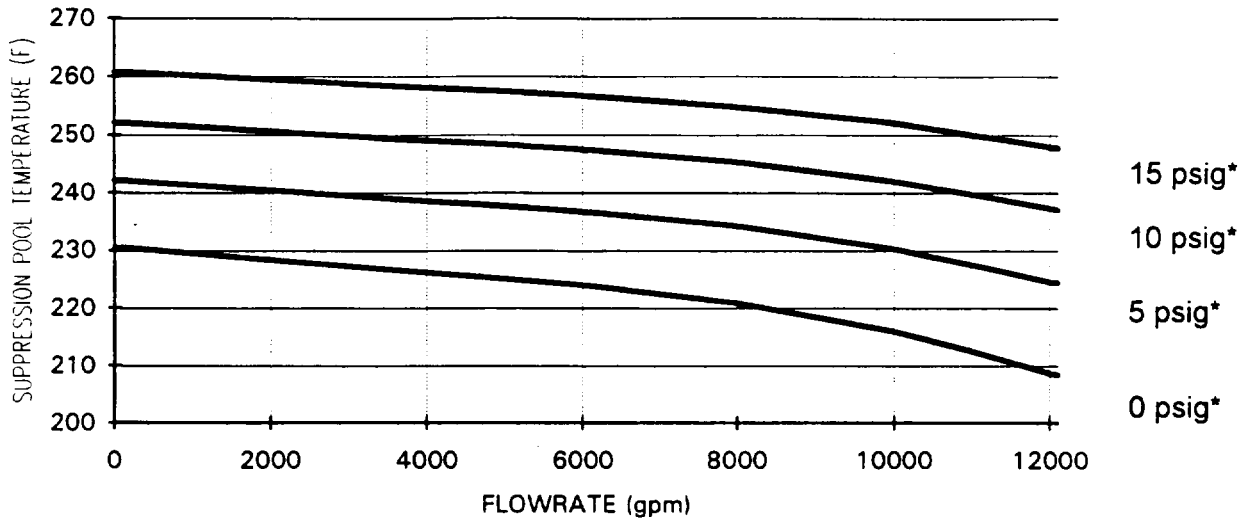


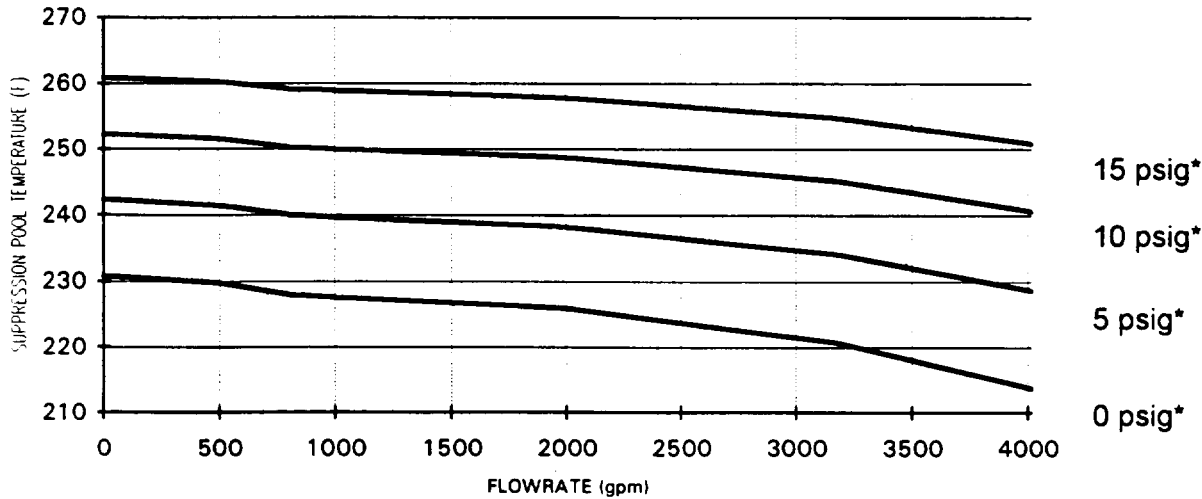
FIGURE 1

RHR & CORE SPRAY NPSH FOR SP LEVEL AT 74.5'

NPSH - SP/L = LCO  
HOPE CREEK - LPCI/RHR

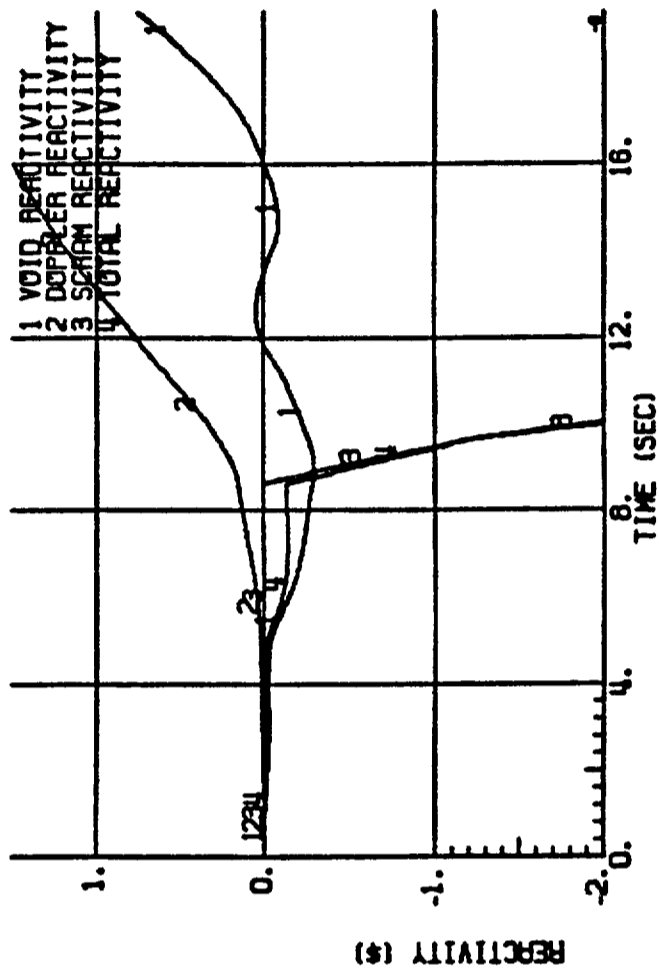
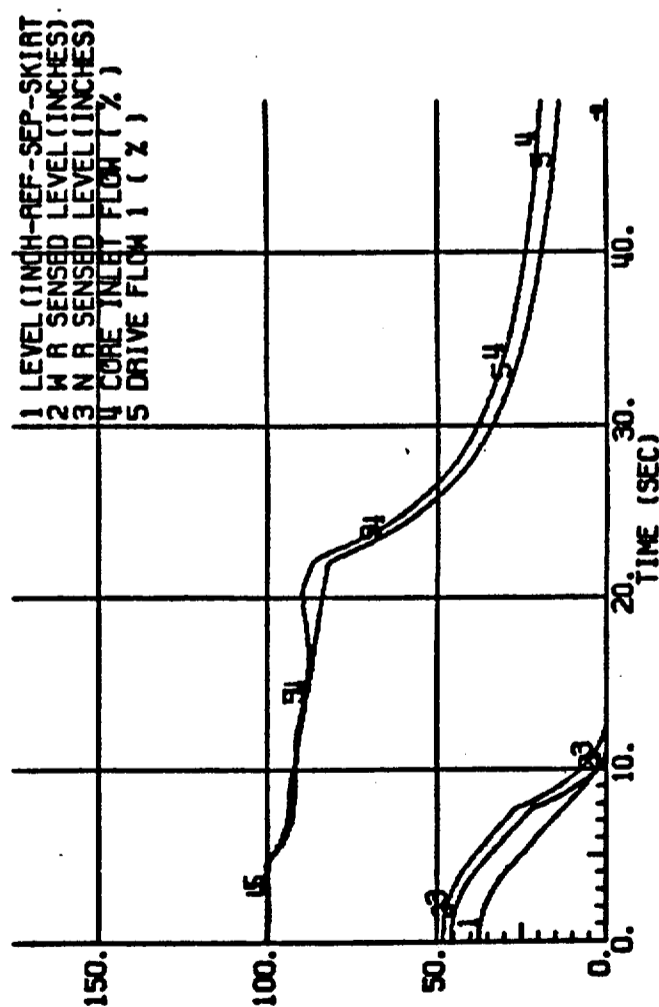
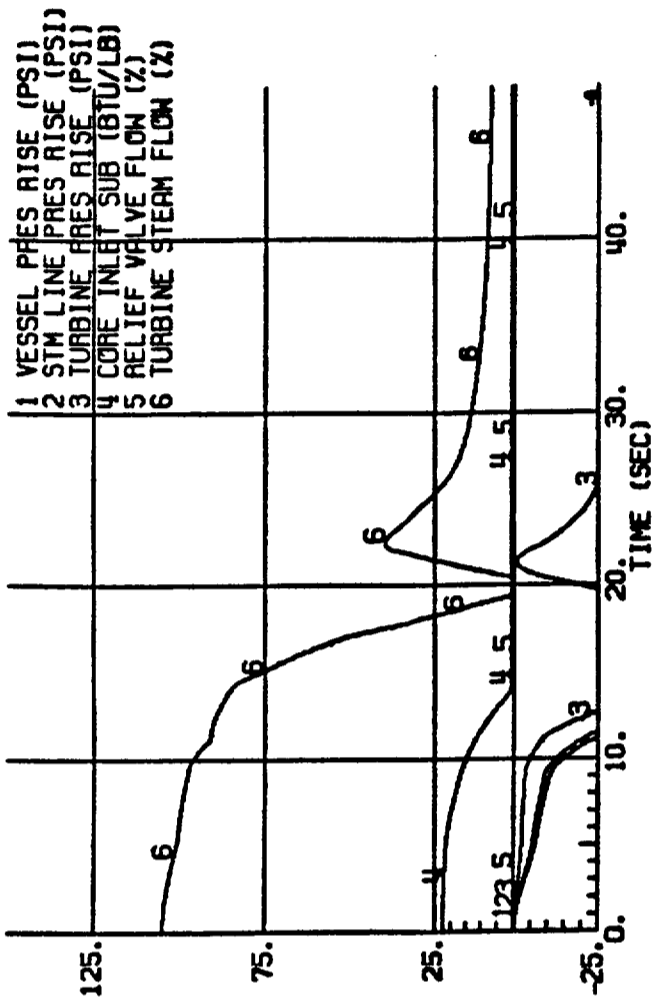
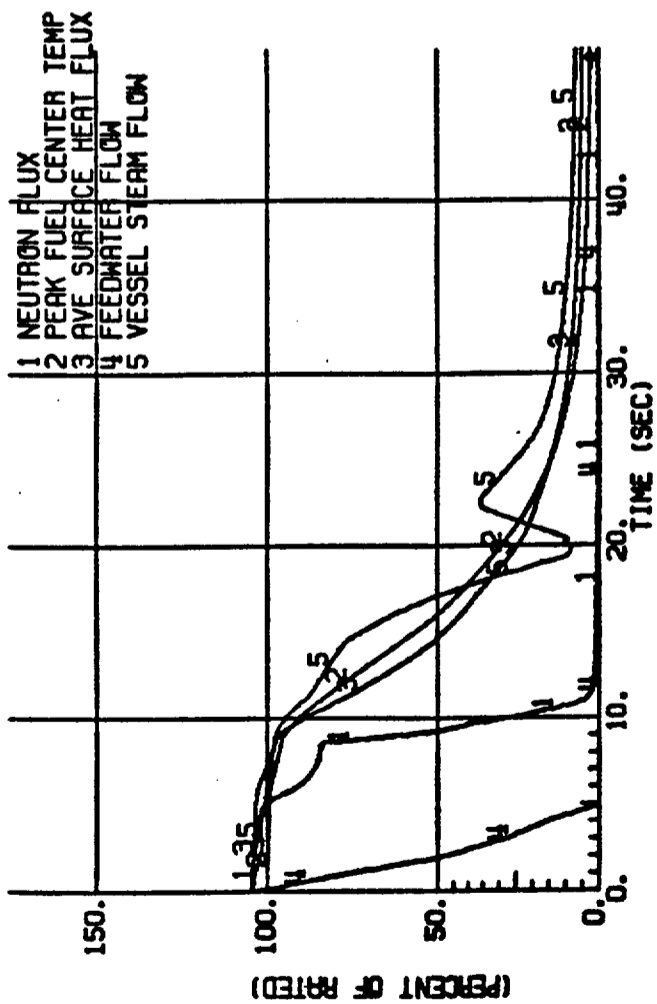


NPSH - SP/L = LCO  
HOPE CREEK - CORE SPRAY



\* Suppression Chamber Overpressure

REF ATTACHMENT S-7



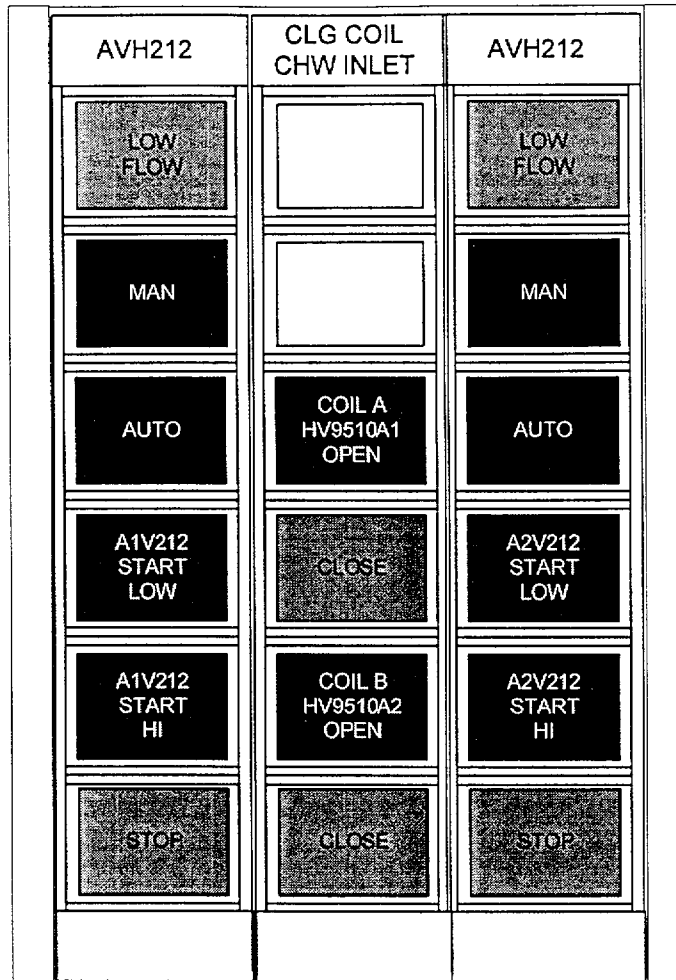
REVISION 0  
APRIL 11, 1988

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
HOPE CREEK NUCLEAR GENERATING STATION

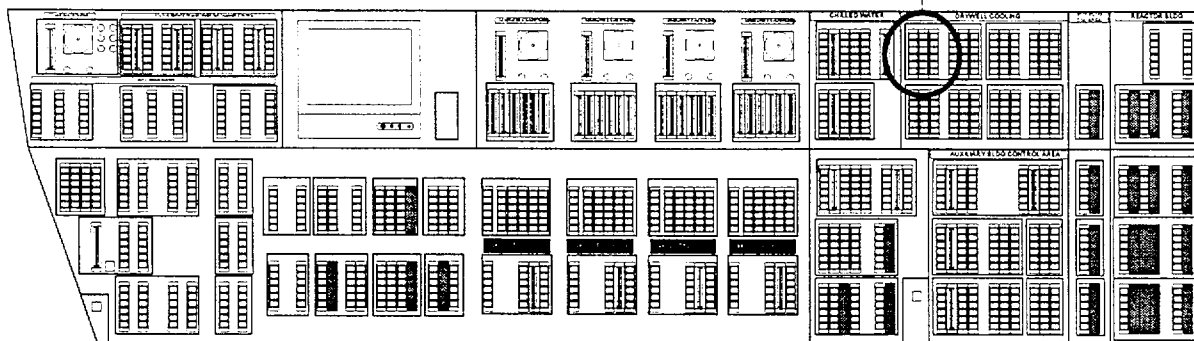
REF ATTACH S-6

UPDATED FSAR

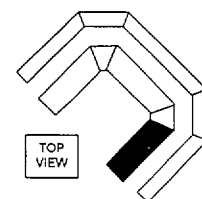
FIGURE



TYPICAL OF  
UNIT  
COOLERS  
A THRU H



REF ATTACH R-8

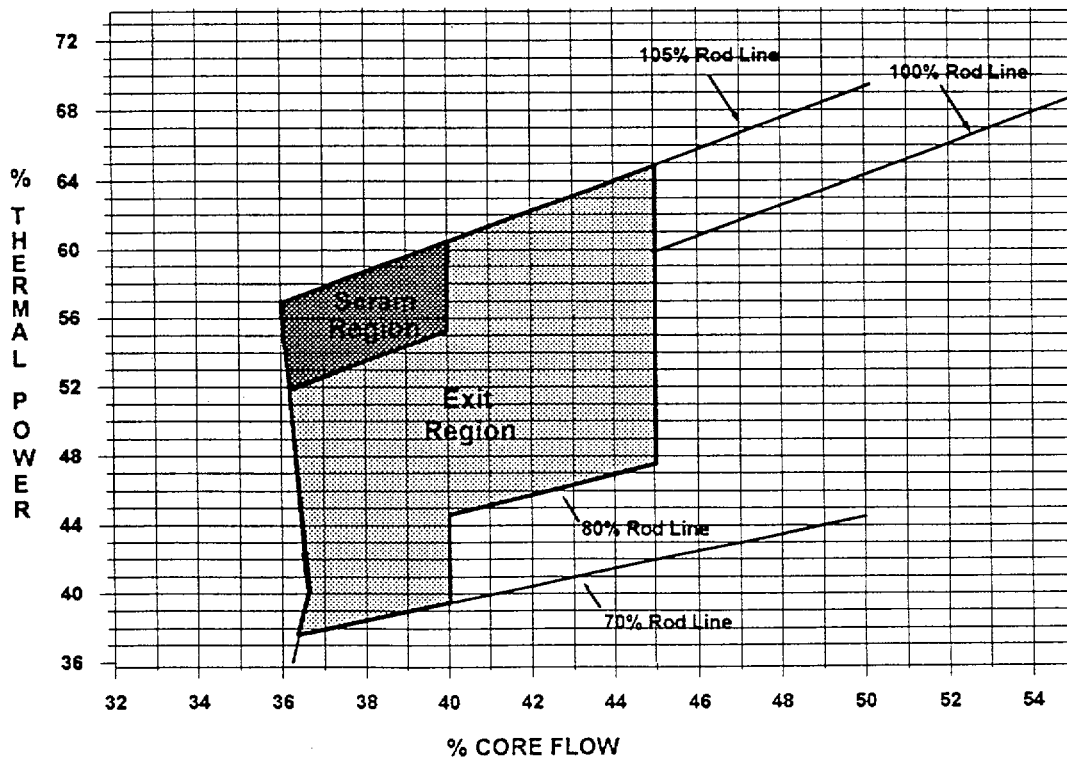
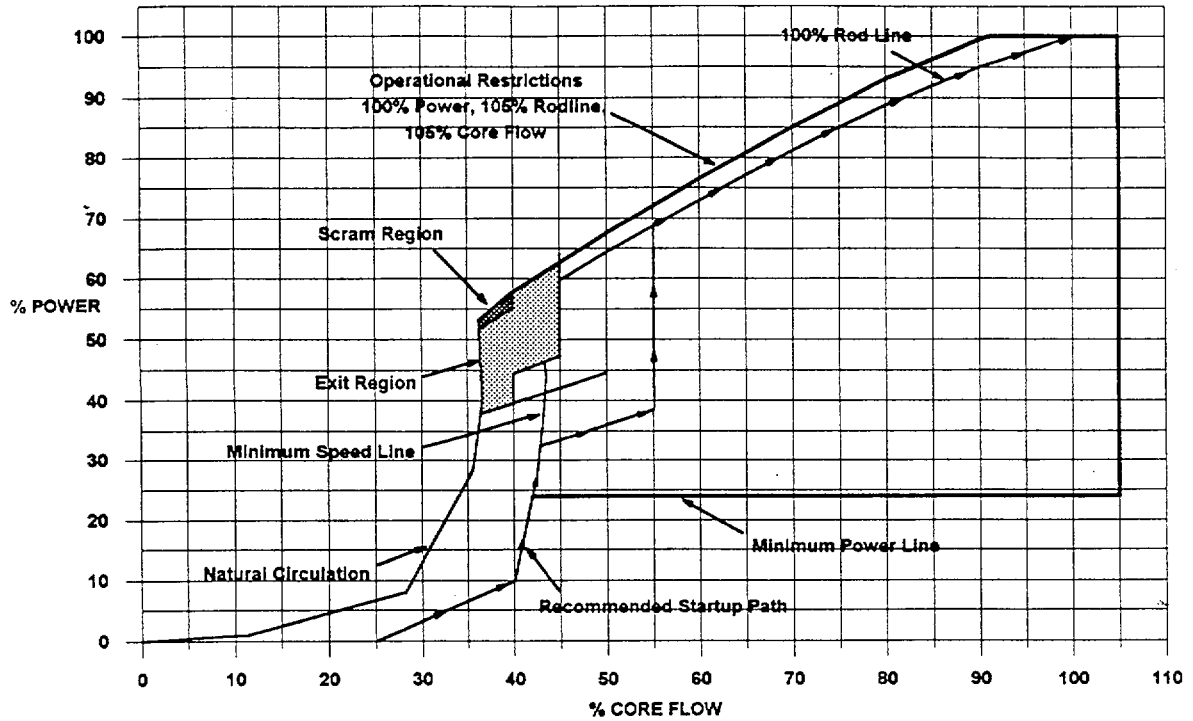


LESSON PLAN NUMBER: 0302-000.00H-000033			
REV.: 4	TITLE: PANEL 10C651E DRYWELL COOLING CONTROLS	AV315B.VSD	FIG. NO: 3

# ATTACHMENT 1 POWER TO FLOW MAPS

POWER TO FLOW MAP

HOPE CREEK



REF ATTACH  
R-9

**ATTACHMENT 2**  
**(Page 1 of 12)**  
**CONTROL ROOM DATA SHEET**  
**ACCIDENT MONITORING INSTRUMENTATION CHANNEL CHECK - MONTHLY**

**1.0 TEST INFORMATION**

**1.1 Accident Monitoring Instrumentation Channel Check**

REACTOR VESSEL PRESSURE INSTRUMENTATION			
STEP	INSTRUMENT NUMBER	MAX VARIANCE BETWEEN CHs	PRESSURE
5.1.4.A	PI-3684A (red)	75 PSIG (NOTE 1)	
5.1.4.B	PR-3684B (red)		

5.1.4.C Reactor Vessel Pressure Instrumentation Channel Check

\*

SAT/UNSAT

INITIAL

REACTOR VESSEL WATER LEVEL INSTRUMENTATION			
STEP	INSTRUMENT NUMBER	MAX VARIANCE BETWEEN CHs	LEVEL
5.1.5.A	LR-P615	10 INCHES (NOTE 1)	
5.1.5.B	LI-R610		
5.1.5.C	LR-R623A (red)	10 INCHES (NOTE 1)	
5.1.5.D	LR-R623B (red)		
5.1.5.E	LR-3622A (blue)	20 INCHES (NOTE 1)	
5.1.5.F	LR-3622B (blue)		

5.1.5.G Reactor Water Level Instrument Channel Check

\*

SAT/UNSAT

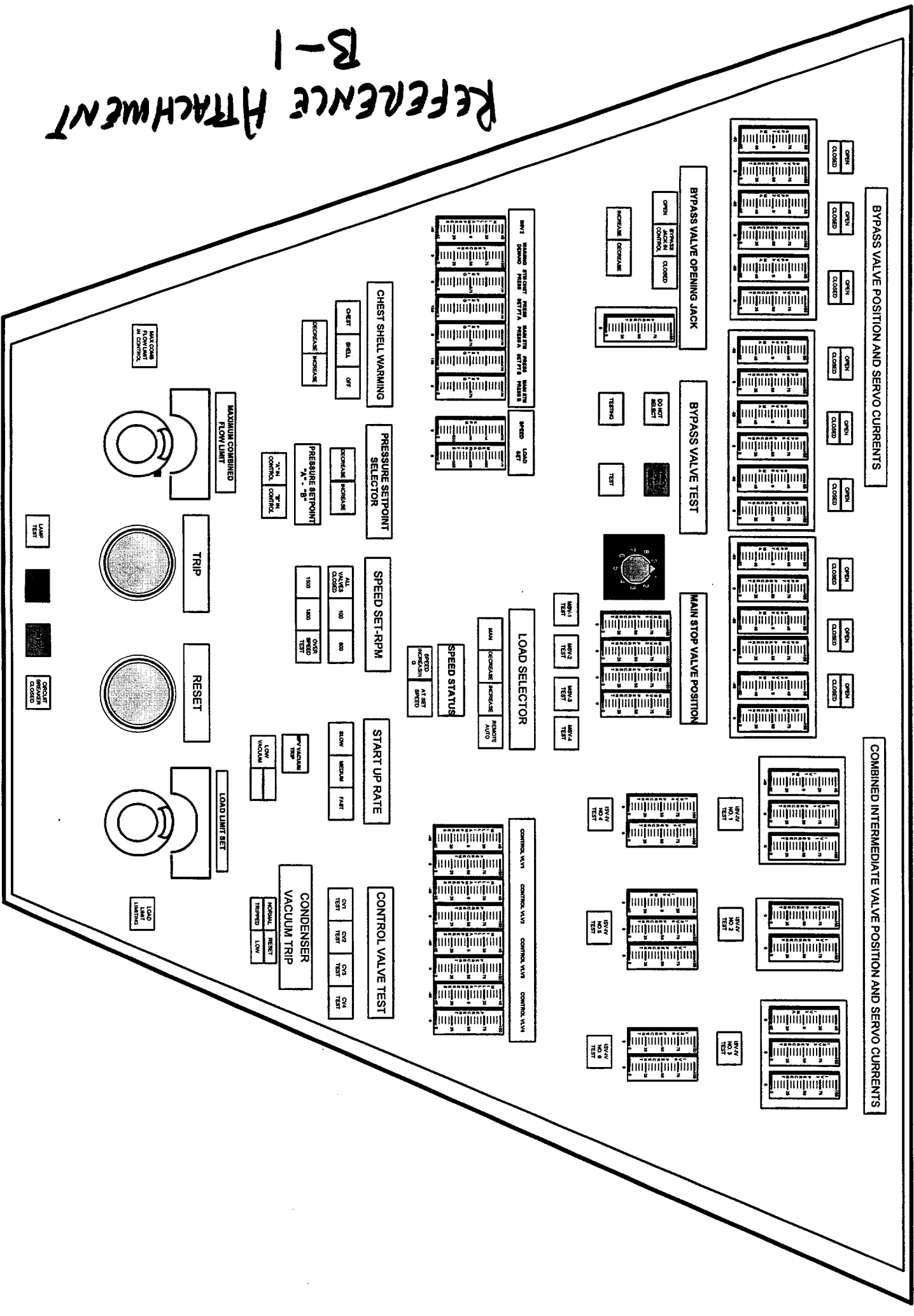
INITIAL

\* Acceptance Criterion - the SAT/UNSAT block must be marked SAT.

NOTE 1 IF maximum channel variance exceeds half the required value NOTIFY System Engineer. [CD-772F]

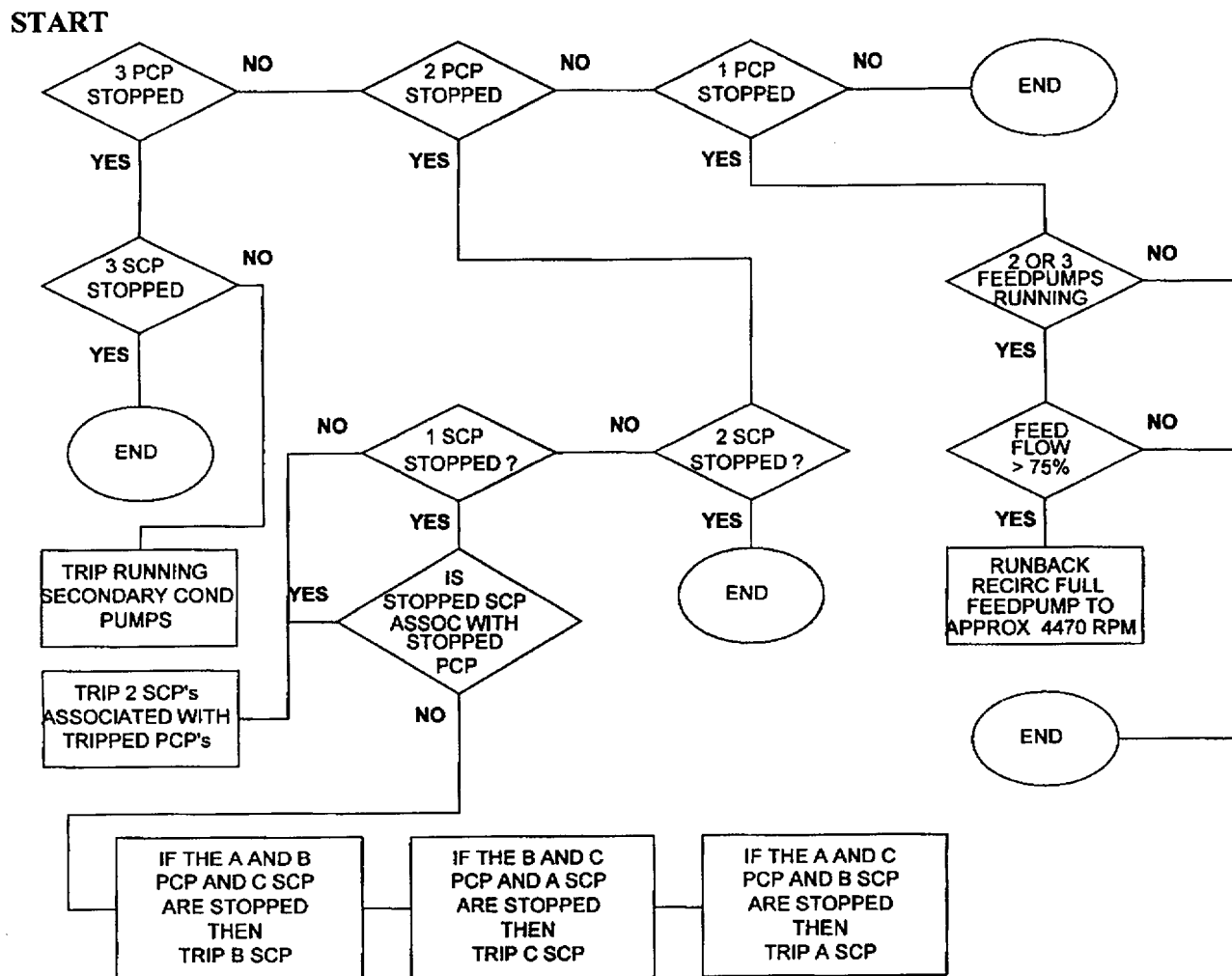
Ref ATTACH R-10

# REFERENCE ATTACHMENT B-1



5.13 The following Pictograms illustrate the signals required for Feedpump and Recirc Pump runbacks; as well as, the feed pump tripping scheme.

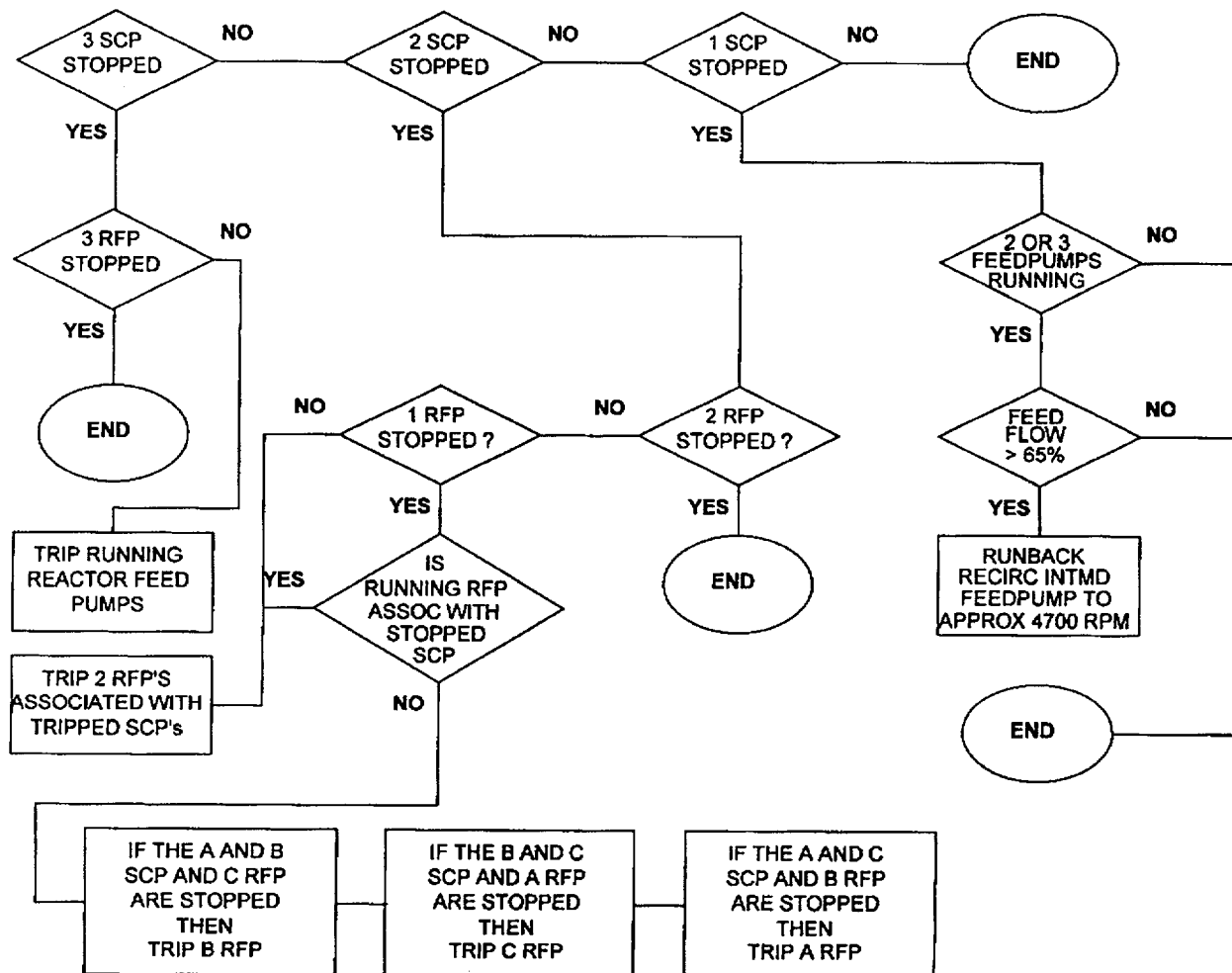
## PRIMARY CONDENSATE PUMP LOGIC



REFERENCE ATTACHMENT  
B-2A

## SECONDARY CONDENSATE PUMP LOGIC

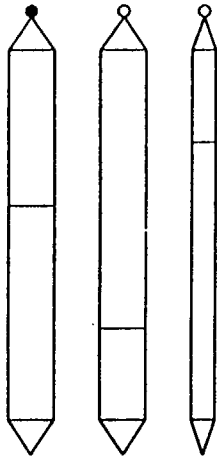
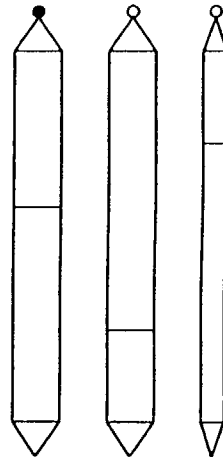
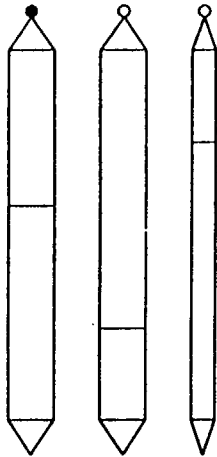
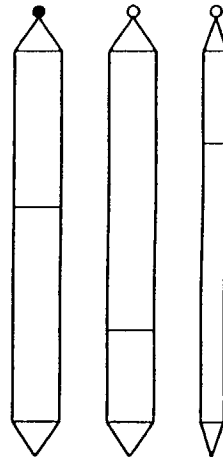
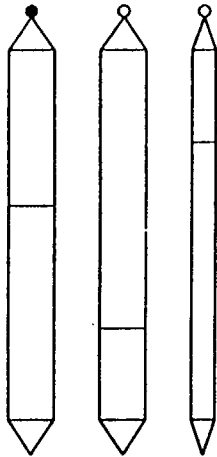
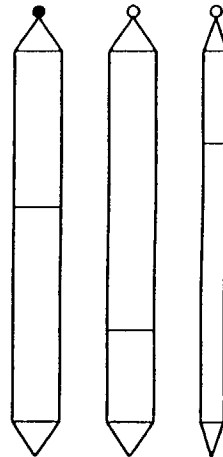


START



5.14 The existence of this procedure fulfills the requirements found in the following Commitment Documents:

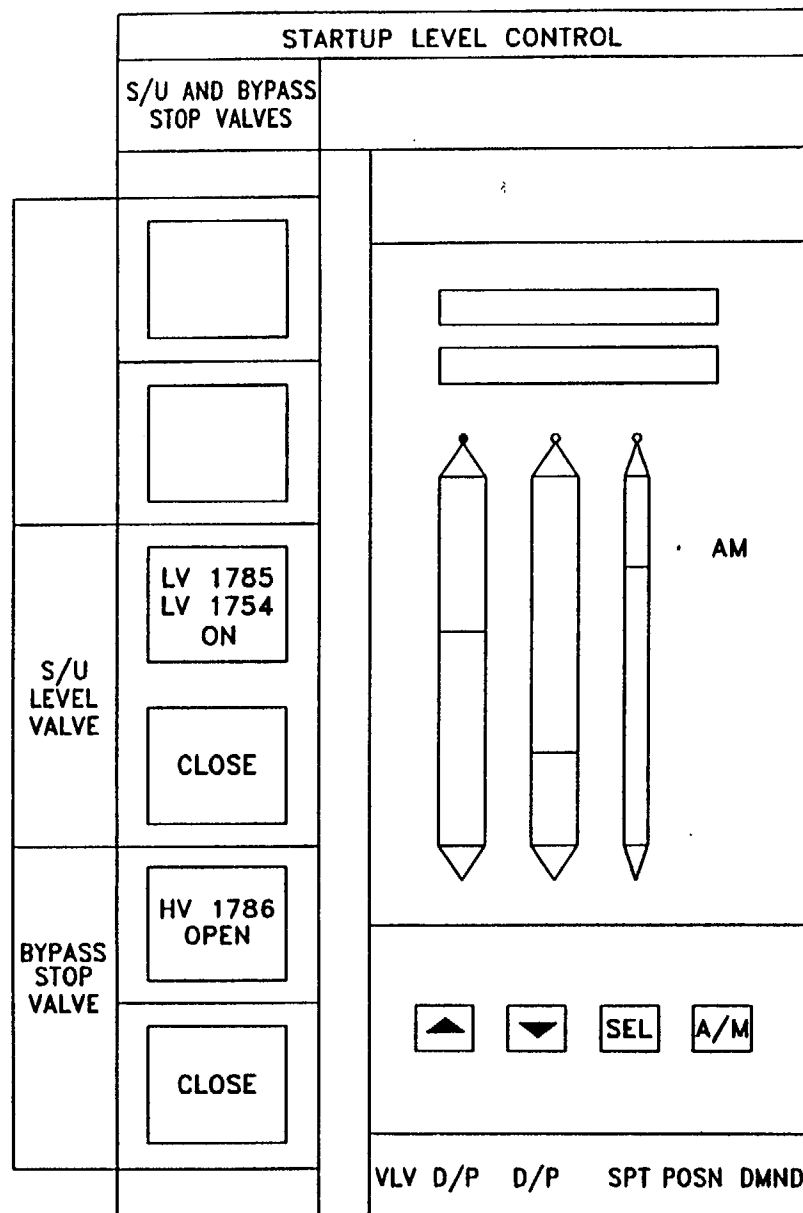
CD-409D INPO SOER 84-04R01  
CD-958X NHO HSAR F15-0068-00  
PR 960910160

REFERENCE ATTACHMENT  
B-2B

FEEDWATER						
REACTOR FEED PUMP A						
	SUCT/ DISCH	MIN RECIRC LINE ISLN		TURB MODE	TURB CONTROL	
STOP CHK VLV MOT OPR	HV 1769A OPEN				TURB A CONT SIG FAIL	
	CLOSE			VACUUM TRIP LOCKOUT	INC ^ SPEED	
LINE & PUMP WM VLV	HV 1782A OPEN			TRIP	DEC v SPEED	
	CLOSE			TRIP RESET		
SUCT VLV	HV 1781A OPEN	HV 1797A OPEN				
	CLOSE	CLOSE		  SEL A/M	WARMUP	
			MIN FLOW RECIRC A FLOW SPT VLV DMND			RFP A FLOW SPD SPD DMND

REFERENCE ATTACHMENT ~~3~~  
B-3A

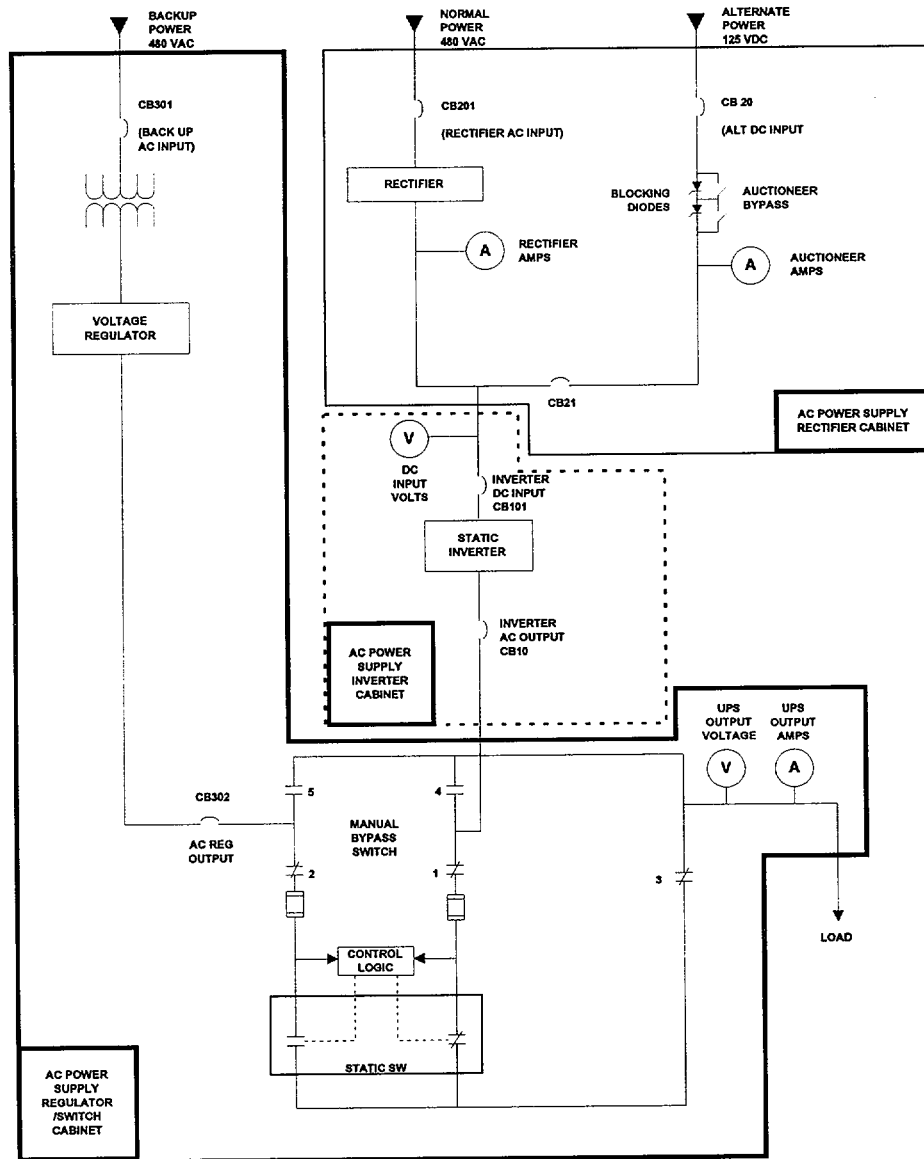
EMI	BOOK	LP	302H-000.00H-000058	REV	NOTE CREEK
	38		301H-000.00H-00AE01	3	
	PAGE	TITLE		FIG	
	121				
	PROG				
	ACAD	FEED PUMP TURBINE A CONTROL		26	
	DWG				
	AV2969				



REFERENCE ATTACHMENT  
B-3B

SIA	BOOK 38	LP	302H-000.00H-000058	REV 1	HOPE CREEK
	PAGE 123		301H-000.00H-00AE01		
	PROG ACAD	TITLE  STARTUP LEVEL CONTROL		FIG	
	DWG AV2969B			28	

**EXHIBIT 2**  
**Page 1 of 1**  
**UPS POWER CONTROL (TYPICAL)**



SWITCH POSITION	1	2	3	4	5
NORMAL	X	X	X		
BYPASS TO PREFERRED	X	X		X	
ISOLATE (AFTER PREF.)				X	
BYPASS TO ALTERNATE	X	X			X
ISOLATE (AFTER ALT.)					X

REFERENCE ATTACHMENT B-4

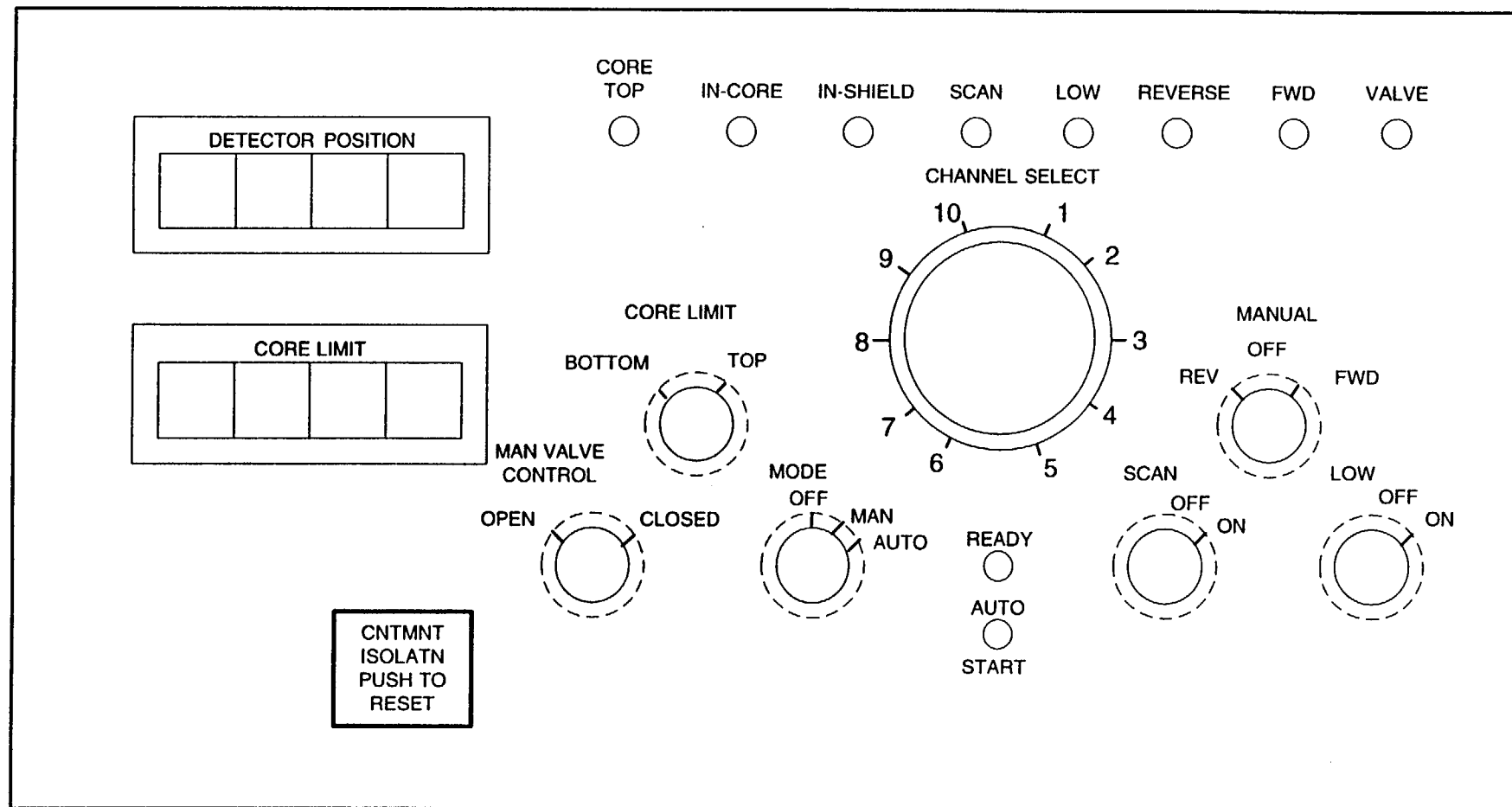
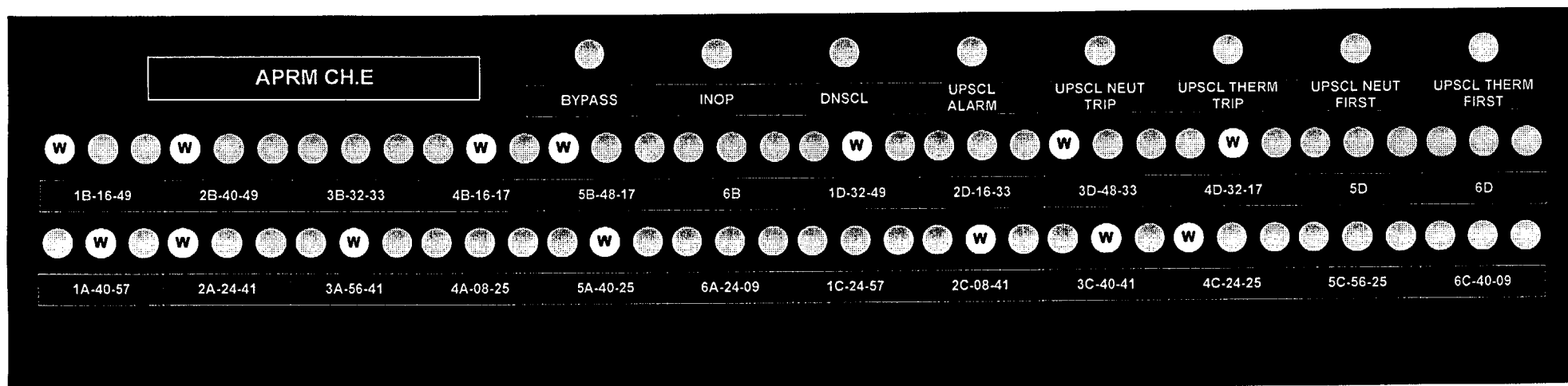


FIG.: 10  
DRIVE CONTROL UNIT SECTION

LP: 301H-000.00H-SE06  
302H-000.00H-000018  
AV# N/A

REFERENCE ATTACHMENT R-5



(W) Indicates the WHITE lamp is illuminated.

(R) Indicates the RED lamp is illuminated.

(Y) Indicates the YELLOW lamp is illuminated.

REFERENCE ATTACHMENT

R-6



**THIS PAGE IS AN  
OVERSIZED DRAWING  
OR FIGURE,  
THAT CAN BE VIEWED AT  
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M-51-1, REV. 31, SHEET 1 of 2:  
P & ID RESIDUAL HEAT REMOVAL  
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MECH./CONT.**

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