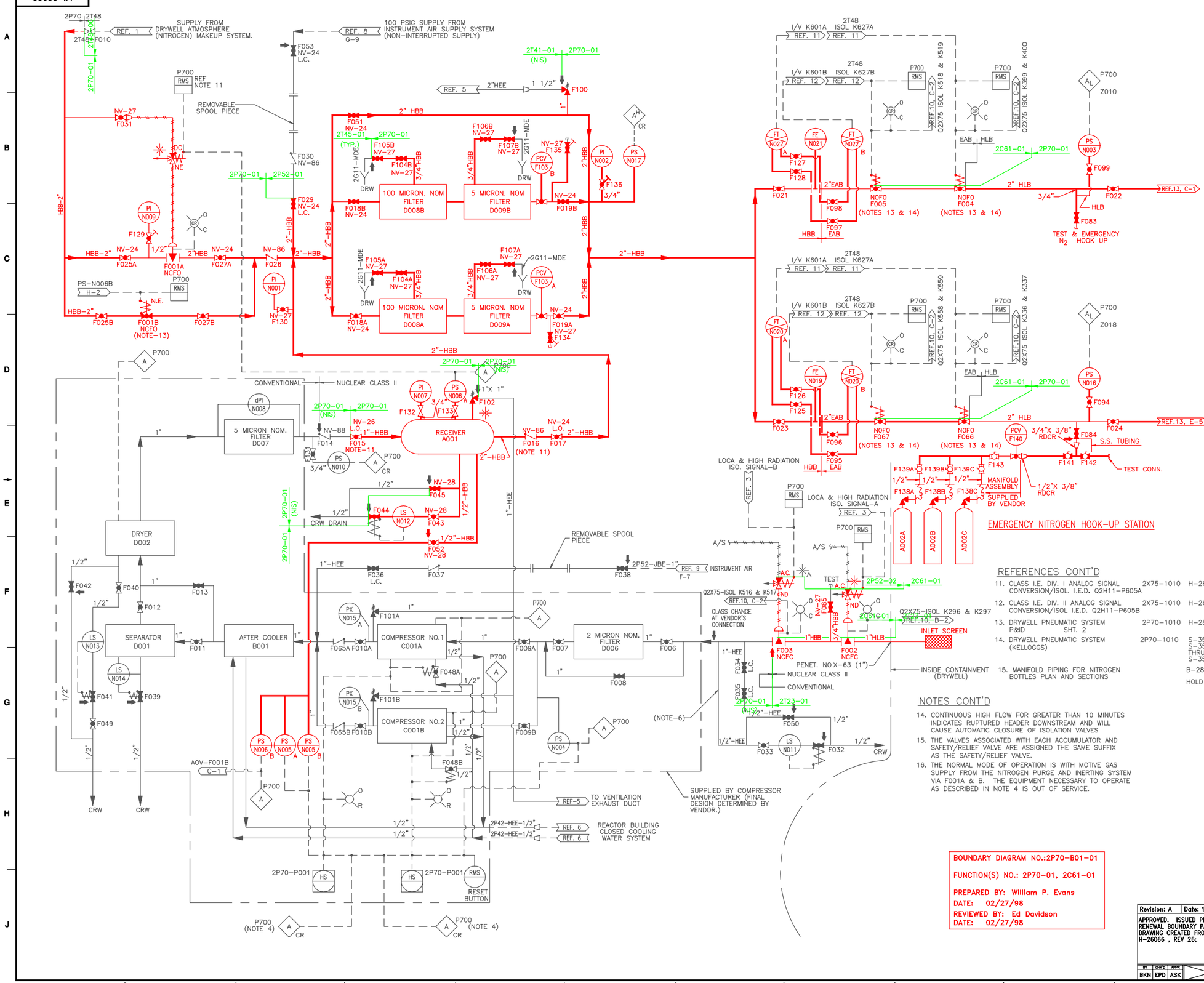

NOTES

1. ALL EQUIPMENT AND INSTRUMENT NOs ON THIS DRAWING PRECEDED BY MPL. NO 2P70 UNLESS OTHERWISE NOTED. EXAMPLE 2P70-F005.
2. ALL PIPING AND COMPONENTS TO BE INSTALLED CLEAN; NO VISIBLE DIRT OR FOREIGN PARTICLES. INSURE THAT ALL SOLUTION IS REMOVED, ESPECIALLY FROM PIPING LOW POINTS.
3. DESIGN OF PIPING, ETC., SHOULD BE SUCH THAT DRYWELL ATMOSPHERE WILL NOT LEAK INTO THE ENVIRONMENT.
4. ONE COMPRESSOR WILL OPERATE TO HANDLE THE BASE LOAD WHILE THE SECOND WILL BE STANDBY. PRESSURE SWITCH 2P70-N005A LOCATED ON RECEIVER WILL START AND STOP THE COMPRESSOR THAT HAS BEEN SELECTED "AUTO". IF THIS COMPRESSOR FAILS TO START, IT WILL BE ALARMED IN MAIN CONTROL ROOM. PRESSURE SWITCH 2P70-N005B WILL START & STOP THE COMPRESSOR WHICH HAS BEEN SELECTED "STANDBY". IF "STANDBY" COMPRESSOR FAILS TO START IT WILL BE ALARMED IN MAIN CONTROL ROOM. IF BOTH COMPRESSORS FAIL AND PRESSURE FALLS BELOW 90 PSIG PRESSURE SWITCHES 2P70-N006A OR 2P70-N006B WILL OPERATE BACKUP N_2 SYSTEM AND WILL ALSO ALARM IN MAIN CONTROL ROOM. WHEN COMPRESSOR COMES BACK ON LINE AND PRESSURE IN RECEIVER EXCEEDS 97± 1 PSIG BACKUP N_2 SYSTEM WILL CLOSE AND SYSTEM WILL RETURN TO NORMAL COMPRESSOR OPERATION.
5. DELETED
6. CONNECTION TO BE AT SUCTION PIPING LOW POINT.
7. SYSTEM WILL BE ALL WELDED EXCEPT FOR EQUIPMENT REQUIRING REMOVAL CAPABILITY WHERE SOCKET WELDED UNION ENDS MAY BE USED.
8. ACCUMULATORS AND ADJACENT CHECK VALVES ARE SUPPLIED WITH SYSTEM B21.
9. NORMALLY LOCKED CLOSED VALVE TO BE OPENED DURING PLANT SHUTDOWN TO DRAIN WATER.
10. NORMALLY L.C. VALVE TO BE OPENED DURING CTMT. LEAK TEST TO VENT N_2 HEADER.
11. IF 2P70 SYSTEM IS INOPERABLE THE INTERNALS OF F016 MAY BE REMOVED TO ALLOW USE OF RECEIVER A001. IF RECEIVER IS TO BE USED VALVE F015 IS TO BE LOCKED CLOSED AND THE CONTROL SWITCH FOR F001A PLACED TO THE OPEN POSITION.
12. DELETED
13. SOLENOID VALVE POSITION INDICATION SWITCHES ARE PROVIDED IN THE OPEN AND CLOSED POSITIONS

NOTES (CONT'D G-9)

EMERGENCY NITROGEN HOOK-UP STATION

REFERENCES

REFERENCES	MPL. NO.	S.S. NO.
1. NITROGEN INERTING SYSTEM P&ID REACTOR BLDG.	2T48-1010	H-26083
2.		
3. PRIMARY CONTAINMENT ISOLATION SYSTEM. (BECHTEL PLAN)	2C61	H-27596 THRU H-27600
4. PIPING & INSTRUMENT SYMBOLS	A42-1010	S-15051
5. REACTOR BLDG. VENTILATION SYSTEM P.&I.D.	2T41-1010	H-26067 H-26068
6. REACTOR BLDG. CLOSED COOLING WATER SYSTEM	2P42-1010	H-26055
7. REACTOR BLDG. & PRIMARY CTMT. CHILLED WATER SYSTEM P&ID SHT. 2.	2P64-1020	H-26081
8. R.B. NORTHSIDE NON INTERRUPTABLE INSTR. AIR.	2P52-1050	H-26070
9. R.B. NORTH SIDE INTERRUPTABLE INSTR AIR.	2P52-1030	H-26062
10. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYS. I.E.D. SHT. 8 OF 15.	2X75-1010	H-26177

REFERENCES (CONT'D, F-10)

REFERENCES CONT'D

11. CLASS I.E. DIV. I ANALOG SIGNAL CONVERSION/ISOL. I.E.D. Q2H11-P605A	2X75-1010	H-26285
12. CLASS I.E. DIV. II ANALOG SIGNAL CONVERSION/ISOL I.E.D. Q2H11-P605B	2X75-1010	H-26286
13. DRYWELL PNEUMATIC SYSTEM P&ID SHT. 2	2P70-1010	H-28023
14. DRYWELL PNEUMATIC SYSTEM (KELLOGGS)	2P70-1010	S-35401 S-35403 THRU S-35407 B-28347 HOLD
15. MANIFOLD PIPING FOR NITROGEN BOTTLES PLAN AND SECTIONS		

NOTES CONT'D

14. CONTINUOUS HIGH FLOW FOR GREATER THAN 10 MINUTES INDICATES RUPTURED HEADER DOWNSTREAM AND WILL CAUSE AUTOMATIC CLOSURE OF ISOLATION VALVES
15. THE VALVES ASSOCIATED WITH EACH ACCUMULATOR AND SAFETY/RELIEF VALVE ARE ASSIGNED THE SAME SUFFIX AS THE SAFETY/RELIEF VALVE.
16. THE NORMAL MODE OF OPERATION IS WITH MOTIVE GAS SUPPLY FROM THE NITROGEN PURGE AND INERTING SYSTEM VIA F001A & B. THE EQUIPMENT NECESSARY TO OPERATE AS DESCRIBED IN NOTE 4 IS OUT OF SERVICE.

BOUNDARY DIAGRAM NO.:2P70-B01-01
FUNCTION(S) NO.: 2P70-01, 2C61-01
PREPARED BY: William P. Evans
DATE: 02/27/98
REVIEWED BY: Ed Davidson
DATE: 02/27/98

Revision: A | Date: 12-31-99
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EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
DRYWELL PNEUMATIC SYSTEM
P&ID SHT. 1

BY	CHK'D	APPR.	DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
BKN	EPD	ASK	BKN	LCF	10-502	HL-26066	A
			DATE	SCALE None			