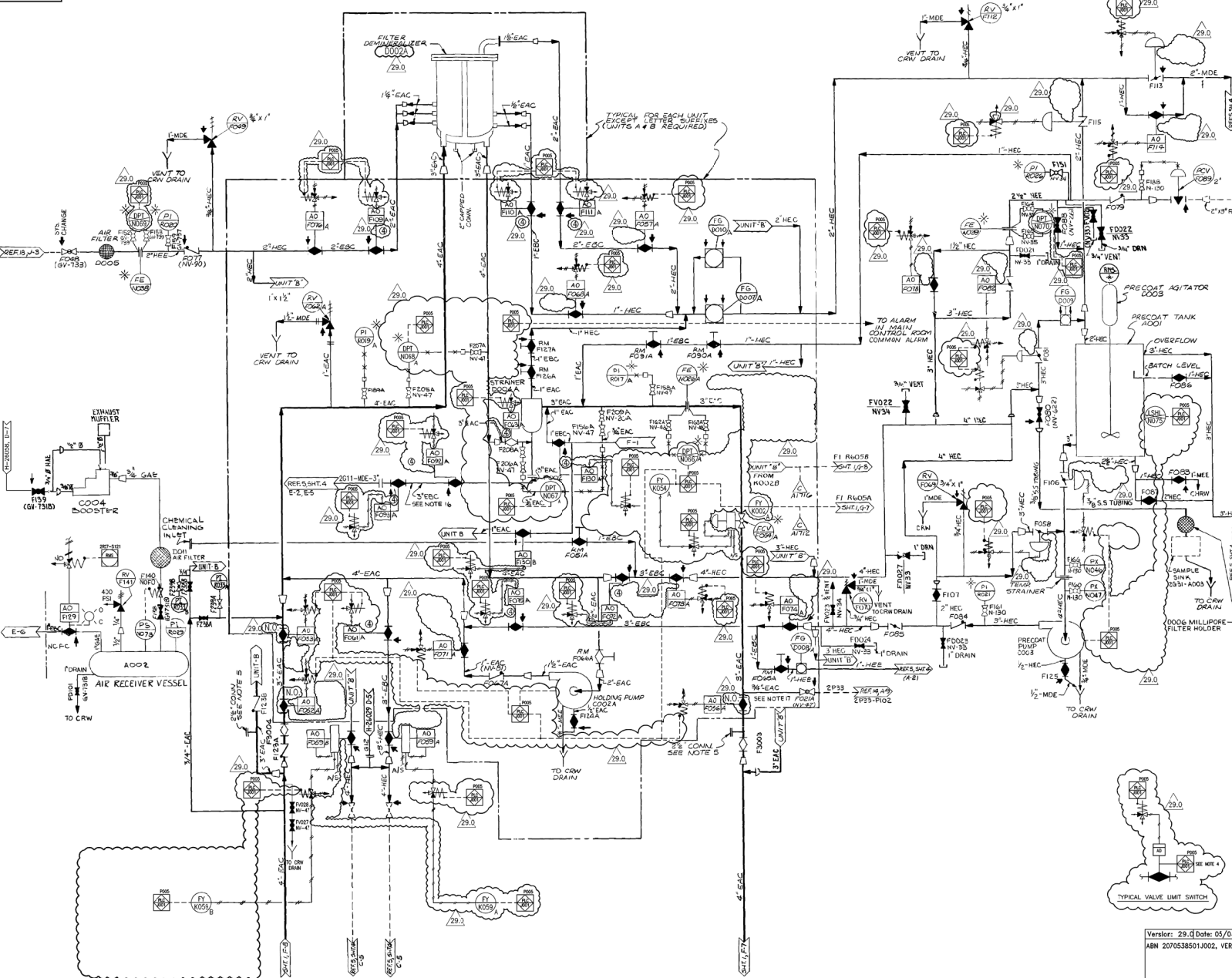


26037-H



- SPECIFIC SHEET 2 FILTER DEMINERALIZER SYSTEM NOTES:**
1. 2031-1001 PLC and HMI PC and DISPLAY LOCATED IN PANEL 2031-1005.
 2. COMMON ALARM ON MCR PANEL TO INDICATE THAT AN RWCU FILTER DEMINERALIZER SYSTEM TROUBLE ALARM ON PANEL 2031-1005 WAS SOUNDED.
 3. ALL VALVES SHOWN IN THEIR FAIL POSITION (SOLENOID DE-ENERGIZED) STATE.
 4. ALL VALVES ARE EQUIPPED WITH LIMIT SWITCHES TO FACILITATE POSITION INDICATION ON THE HMI DISPLAYS. ALL VALVES ORIGINALLY CONTROLLED FROM 2031-1001 HAVE OPEN & CLOSED SWITCHES AT EACH END OF TRAVEL WITH BOTH CLOSED DURING HAND-TRAVEL. THOSE VALVES ADDED AFTER THE OEM DESIGN AND PREVIOUSLY CONTROLLED FROM 2031-1004 HAVE ONLY ONE LIMIT SWITCH AND ARE NOTED WITH A CIRCLED NUMBER 4.

FOR NOTES & REFERENCES SEE DWG. H-26036.
THIS DWG. DEVELOPED FROM G.E. DWG. NO. S-25179

CRITICAL DOCUMENT

MPL 2G31-1010 (AcadDwg) H26037



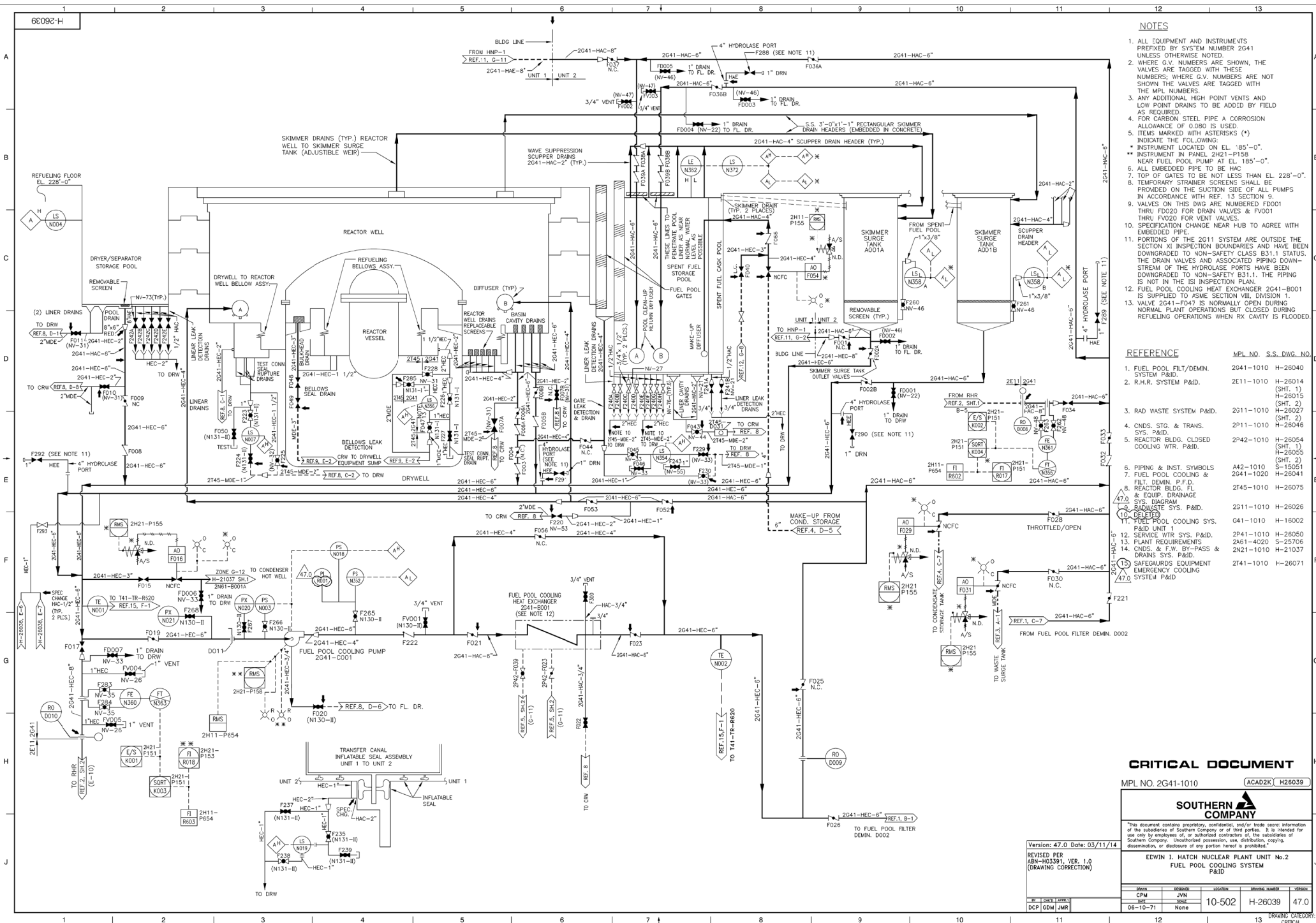
"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or its third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
REACTOR WATER CLEAN-UP SYSTEM
P & I D SHEET 2

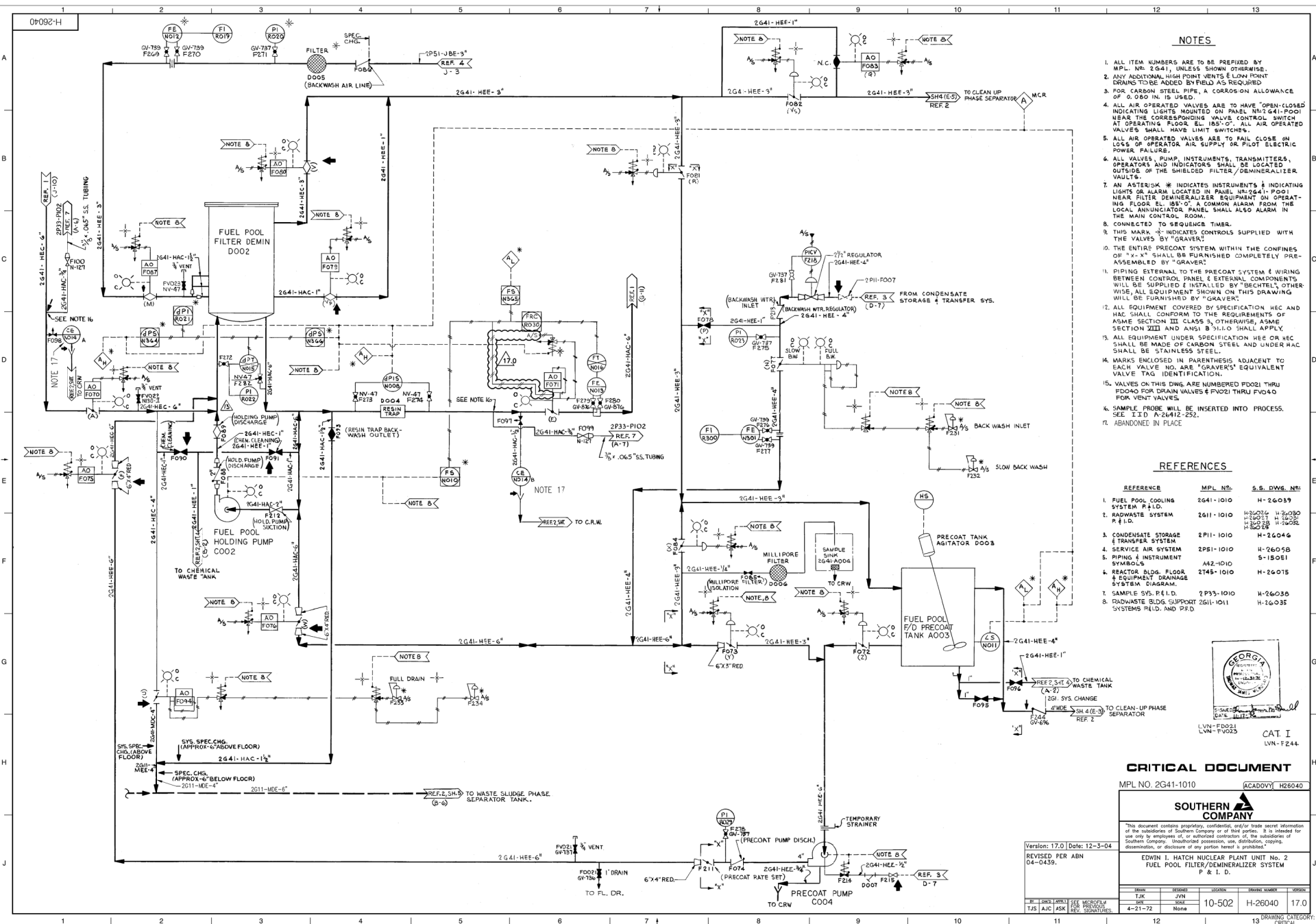
Version: 29.0 Date: 05/04/11
ABN 2070538501.0002, VER. 2.0

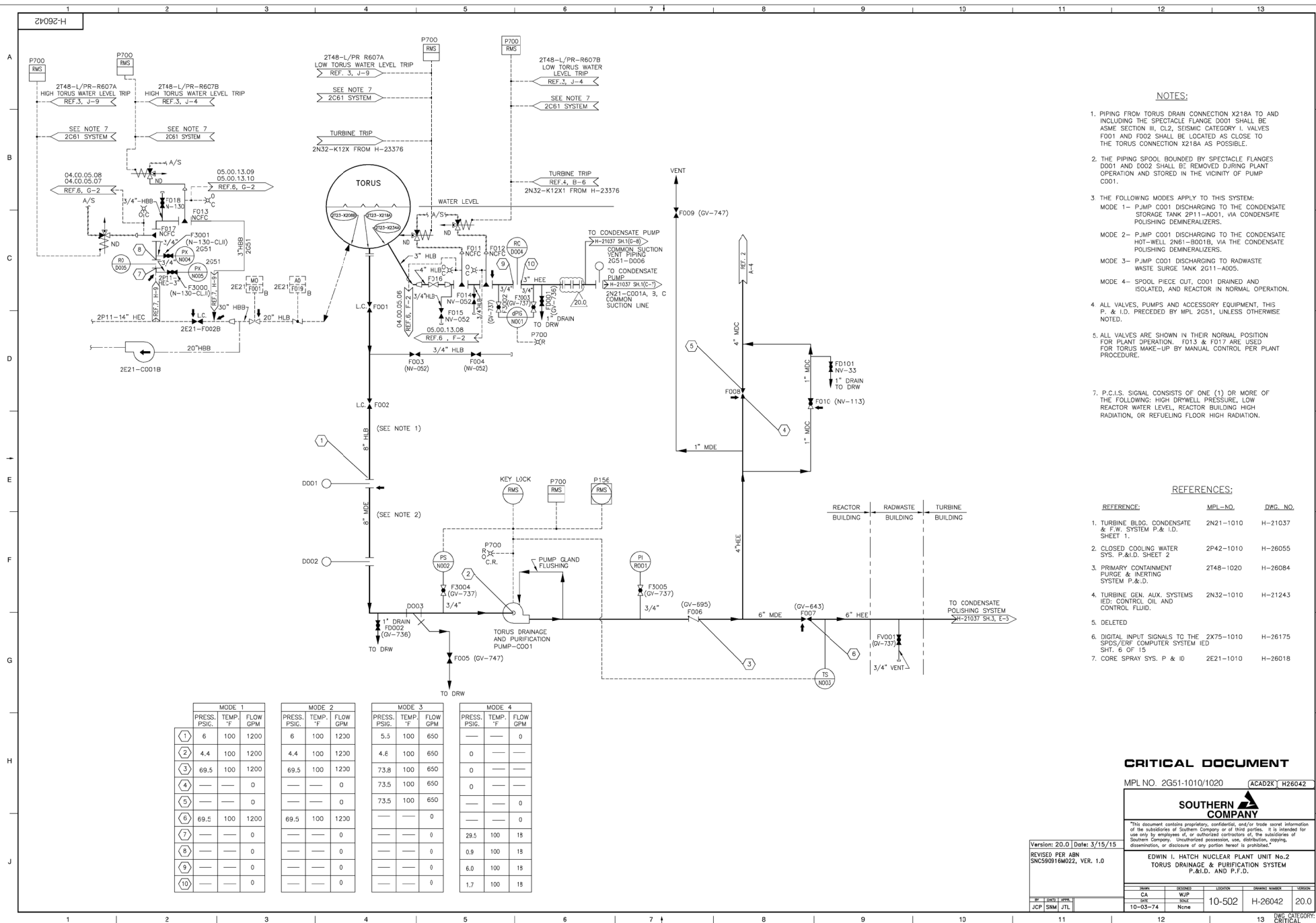
NO.	DATE	BY	CHKD	REV.	DESCRIPTION
1	05/04/11	JMP	JMP	1	ISSUED FOR CONSTRUCTION
2	05/04/11	JMP	JMP	2	REVISED FOR CONSTRUCTION

DRAWING CATEGORY: CRITICAL



U:\ABN\HATCH\AS-FOUND\04-0429\DRAWINGS\CALS\H26040.CAL 12/3/2004 1:25:37 PM





NOTES:

1. PIPING FROM TORUS DRAIN CONNECTION X218A TO AND INCLUDING THE SPECTACLE FLANGE D001 SHALL BE IN THE SAME SECTION II, D.L., SEDIMENT CATEGORY 1. VALVES F001 AND F002 SHALL BE LOCATED AS CLOSE TO THE TORUS CONNECTION X218A AS POSSIBLE.
2. THE PIPING SPOOL BOUNDED BY SPECTACLE FLANGES D001 AND D002 SHALL BE REMOVED DURING PLANT OPERATION AND STORED IN THE VICINITY OF PUMP C001.
3. THE FOLLOWING MODES APPLY TO THIS SYSTEM:
 - MODE 1 - P.JMP C001 DISCHARGING TO THE CONDENSATE STORAGE TANK WITH MP11 -A001, VIA CONDENSATE POLISHING DEMINERALIZERS.
 - MODE 2 - P.JMP C001 DISCHARGING TO THE CONDENSATE HOT-WELL ZN61--B001B, VIA THE CONDENSATE POLISHING DEMINERALIZERS.
 - MODE 3 - P.JMP C001 DISCHARGING TO RAWWASTE WASTE SURGE TANK 2G11--A005.
 - MODE 4 - SPOOL PEECE CUT, C001 DRAINED AND ISOLATED, AND RECTOR IN NORMAL OPERATION.
4. ALL VALVES, PUMPS AND ACCESSORY EQUIPMENT, THIS P. & I.D. PRECEDED BY MPL 2G51, UNLESS OTHERWISE NOTED.
5. ALL VALVES ARE SHOWN IN THEIR NORMAL POSITION FOR PLANT OPERATION. F013 & F017 ARE USED FOR TORUS MAKE-UP BY MANUAL CONTROL PER PLANT PROCEDURE.
7. P.C.I.S. SIGNAL CONSISTS OF ONE (1) OR MORE OF THE FOLLOWING: HIGH DRYWELL PRESSURE, LOW REACTOR WATER LEVEL, REACTOR BUILDING HIGH RADIATION OR REFUELING OR HIGH RADIATION.

REFERENCES:

<u>REFERENCE</u>	<u>MPL-NO.</u>	<u>DWG. NO.</u>
1. TURBINE BLDG, CONDENSATE & F.W. SYSTEM P.&I. SHEET 1.	2N21-1010	H-21037
2. CLOSED COOLING WATER SYS. P.&I.D. SHEET 2	2P42-1010	H-26055
3. PRIMARY CONTAINMENT PURGE & INERTING SYSTEM P.&I.D.	2T48-1020	H-26084
4. TURBINE GEN. AUX. SYSTEMS IED, CONTROL OIL AND CONTROL FLUID.	2N32-1010	H-21243
5. DELETED		
6. DIGITAL INPUT SIGNALS TO THE SCPS/ERF COMPUTER SYSTEM IED SHEET 6 OF 15	2X75-1010	H-26175
7. CORE SPRAY SYS. P & I	2E21-1010	H-26018

CRITICAL DOCUMENT

MPL NO. 2G51-1010/1020

ACAD2K H26042



"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
TORUS DRAINAGE & PURIFICATION SYSTEM
P.&I.D. AND P.F.D.

Version: 20.0	Date: 3/15/15
REVISED PER ABN	
SNC590916M022, VER. 1.0	

REVISED PER ABN
SNC590916M022.

(continued)

[illegible][illegible]

BY	Q&A	APPR.
ICB	SNM	ITI

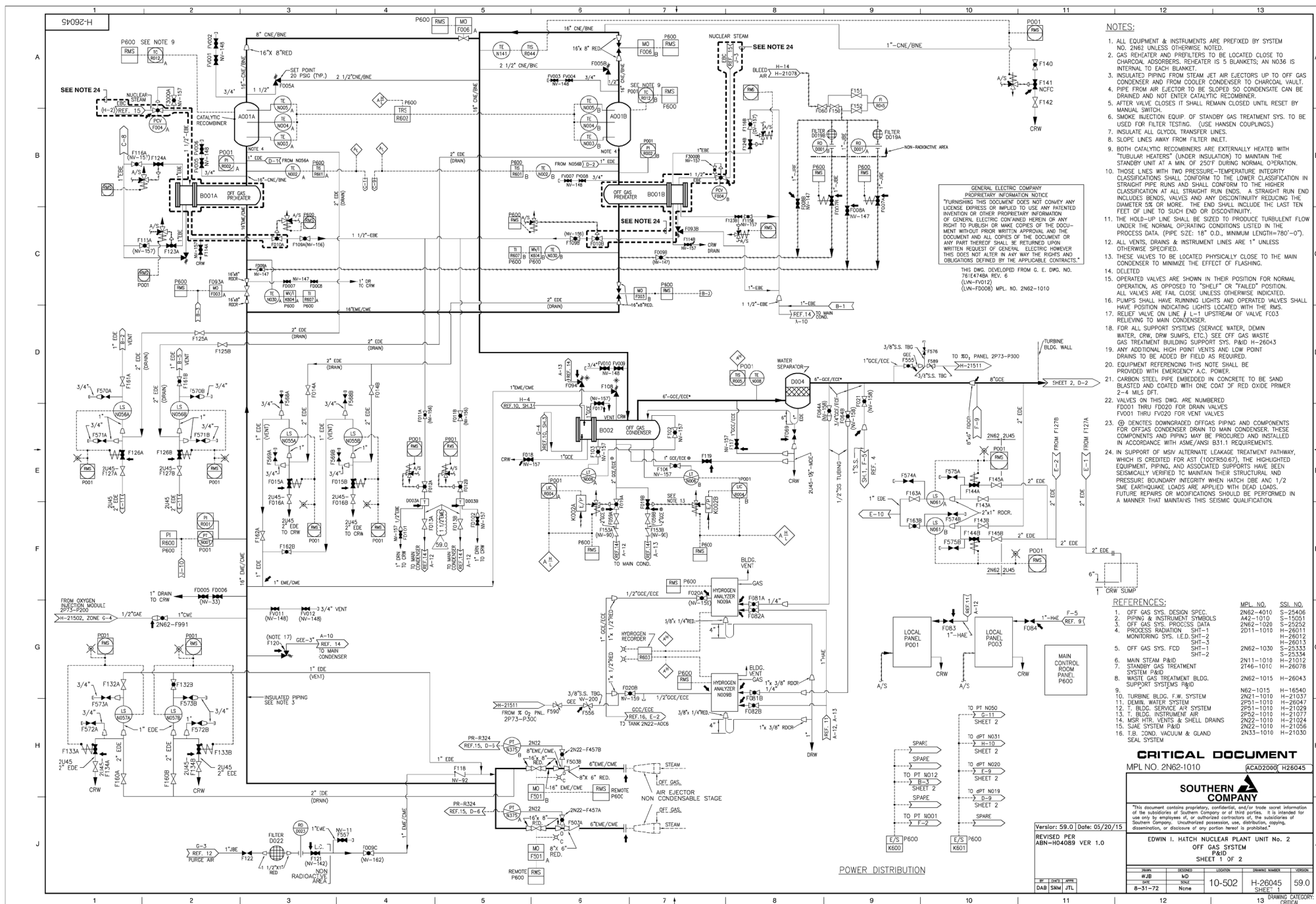
JCF	SNM	JTC	
-----	-----	-----	--

NAME	DESIGNED	LOCATION	(DRAWING) NUMBER
CA	WJP		

DATE	SOLE	10-502	H-26042
10-03-74	None		

10-03-74	None		
10	1	10	DWG (

12	13	CRITI
----	----	-------

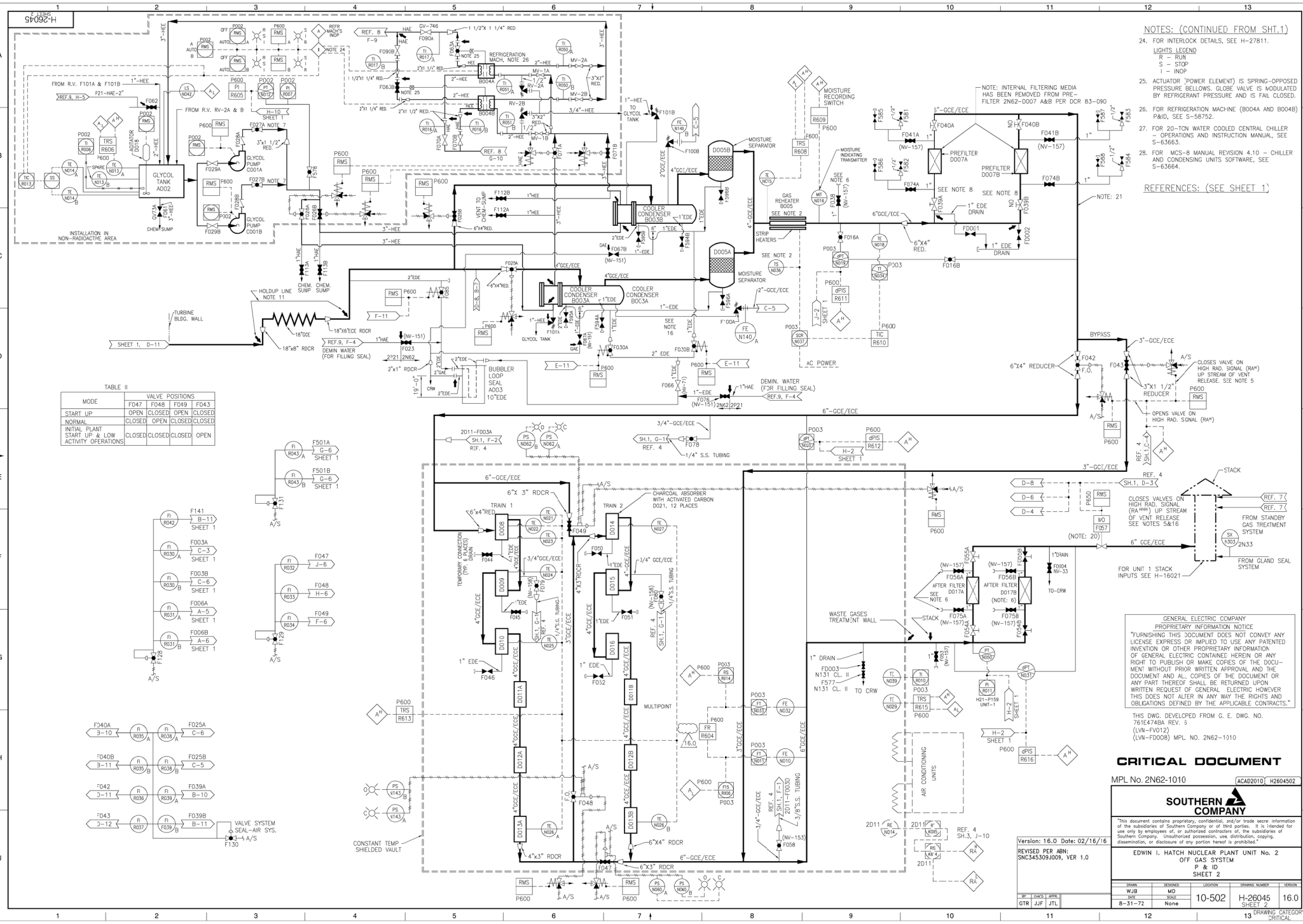


NOTES:

- ALL EQUIPMENT & INSTRUMENTS ARE PREFIXED BY SYSTEM NO. 2N62 UNLESS OTHERWISE NOTED.
- GAS REHEATER AND PROTECTORS TO BE LOCATED CLOSE TO CHARCOAL ADSORBERS. REHEATER IS 5 BLANKETS, AN NO36 IS INTERNAL TO EACH BLANKET.
- INSULATED PIPING FROM STEAM JET AIR EJECTORS UP TO OFF GAS CONDENSER AND FROM COOLER CONDENSER TO CHARCOAL VAULT.
- PIPE FROM AIR EJECTOR TO BE SLOPED SO CONDENSATE CAN BE DRAINED AND NOT ENTER CATALYTIC RECOMBINER.
- AFTER VALVE CLOSING IT SHALL REMAIN CLOSED UNTIL RESET BY MANUAL SWITCH.
- SMOKE INJECTION EQUIP. OF STANDBY GAS TREATMENT SYS. TO BE USED FOR FILTER TESTING. (USE HANSEN COUPLINGS).
- INSULATE ALL GLYCOL TRANSFER LINES.
- SLOPE LINES AWAY FROM FILTER INLET.
- BOTH CATALYTIC RECOMBINERS ARE EXTERNALLY HEATED WITH "TUBULAR HEATERS" (UNDER INSULATION) TO MAINTAIN THE STANDBY UNIT AT A MIN. OF 250°F DURING NORMAL OPERATION.
- THOSE LINES WITH TWO PRESSURE-TEMPERATURE INTEGRITY CLASSIFICATIONS SHALL CONFORM TO THE LOWER CLASSIFICATION IN STRAIGHT PIPE RUNS AND SHALL CONFORM TO THE HIGHER CLASSIFICATION AT ALL STRAIGHT RUN ENDS. A STRAIGHT RUN END INCLUDES BENDS, VALVES AND ANY DISCONTINUITY REDUCING THE DIAMETER 50% OR MORE. THE END SHALL INCLUDE THE LAST TEN FEET OF LINE TO SUCH END OR DISCONTINUITY.
- THE HOLD-UP LINE SHALL BE SIZED TO PRODUCE TURBULENT FLOW UNDER THE NORMAL OPERATING CONDITIONS LISTED IN THE PROCESS DATA. (PIPE SIZE: 18" O.D. MINIMUM LENGTH=780'-0").
- ALL VENTS, DRAINS & INSTRUMENT LINES ARE 1" UNLESS OTHERWISE SPECIFIED.
- THESE VALVES TO BE LOCATED PHYSICALLY CLOSE TO THE MAIN CONDENSER TO MINIMIZE THE EFFECT OF FLASHING.
- DELETED
- OPERATED VALVES ARE SHOWN IN THEIR POSITION FOR NORMAL OPERATION, AS OPPOSED TO "SHUT" OR "TALEST" POSITION. ALL VALVES ARE FAIL CLOSE UNLESS OTHERWISE INDICATED.
- PUMPS SHALL HAVE RUNNING LIGHTS AND OPERATED VALVES SHALL HAVE POSITION INDICATING LIGHTS LOCATED WITH THE PUMP. RELIEF VALVE ON LINE # L-1 UPSTREAM OF VALVE F003 RELIEVING TO MAIN CONDENSER.
- FOR ALL SUPPORT SYSTEMS (SERVICE WATER, DEMIN WATER, CRW, DRW SUMPS, ETC.) SEE OFF GAS WASTE GAS TREATMENT BUILDING SYSTEMS. P&ID H-26043
- ANY ADDITIONAL HIGH POINT VENTS AND LOW POINT DRAINS TO BE ADDED BY FIELD AS REQUIRED.
- EQUIPMENT REFERENCING THIS NOTE SHALL BE PROVIDED WITH EMERGENCY A.C. POWER.
- CARBON STEEL PIPE EMBEDDED IN CONCRETE TO BE SAND BLASTED AND COATED WITH ONE COAT OF RED OXIDE PRIMER 2-4 MILS DFT.
- VALVES ON THIS DWG. ARE NUMBERED
 F0001 THRU F0020 FOR MAIN VALVES
 F0001 THRU F0020 FOR VENT VALVES
- ⊗ DENOTES DOWNGRADED OFFGAS PIPING AND COMPONENTS FOR OFFGAS CONDENSER DRAIN TO MAIN CONDENSER. THESE COMPONENTS AND PIPING MAY BE REQUIRED AND INSTALLED IN ACCORDANCE WITH ASME/ANSI B31.1 REQUIREMENTS.
- IN SUPPORT OF MSN ALTERNATE LEAKAGE TREATMENT PATHWAY, WHICH IS CREDITED FOR AST (10CFR60.67), THE HIGHLIGHTED EQUIPMENT, PIPING, AND ASSOCIATED SUPPORTS HAVE BEEN SEISMICALLY VERIFIED TO MAINTAIN THEIR STRUCTURAL AND PRESSURE BOUNDARY INTEGRITY WHEN HATCH DGE AND 1/2 SHE EARTHQUAKE LOADS ARE APPLIED WITH DEAD LOADS. FUTURE REPAIRS OR MODIFICATIONS SHOULD BE PERFORMED IN A MANNER THAT MAINTAINS THIS SEISMIC QUALIFICATION.

REFERENCES:

- OFF GAS SYS. DESIGN SPEC. 2N62-4010 S-25406
- PIPING & INSTRUMENT SYMBOLS A42-1010 S-15051
- OFF GAS SYS. PROCESS DATA 2N62-1020 S-25252
- MONITORING SYS. I.E.D. SHT-2 2D11-1010 H-26011
- OFF GAS SYS. FCD SHT-1 2N62-1030 S-25333
- OFF GAS SYS. FCD SHT-2 2N62-1030 S-25334
- MAIN STEAM P&ID 2N11-1010 H-21012
- STANDBY GAS TREATMENT SYSTEM P&ID 2T46-1010 H-26078
- WASTE GAS TREATMENT BLDG. SUPPORT SYSTEMS P&ID 2N62-1015 H-26043
- TURNBINE BLDG. F.W. SYSTEM 2N62-1015 H-16540
- DEMIN. WATER SYSTEM 2N21-1010 H-21037
- T. BLDG. SERVICE AIR SYSTEM 2P51-1010 H-26047
- T. BLDG. INSTRUMENT AIR SYSTEM 2P52-1010 H-21077
- MSR HTR. VENTS & SHELL DRAINS 2N22-1010 H-21024
- SIAE SYSTEM P&ID 2N22-1010 H-21056
- T.B. COND. VACUUM & GLAND SEAL SYSTEM 2N33-1010 H-21030



NOTES: (CONTINUED FROM SHT.1)

24. FOR INTERLOCK DETAILS, SEE H-27811.

25. ACTUATOR (POWER ELEMENT) IS SPRING-OPOSED PRESSURE BELLOWS. GLOBE VALVE IS MODULATED BY REFRIGERANT PRESSURE AND IS FAIL CLOSED.

26. FOR REFRIGERATION MACHINE (B004A AND B004B) P&ID, SEE S-58752.

27. FOR 20-TON WATER COOLED CENTRAL CHILLER - OPERATORS AND INSTRUCTION MANUAL, SEE S-63663.

28. FOR MCS-8 MANUAL REVISION 4.10 - CHILLER AND CONDENSING UNITS SOFTWARE, SEE S-63664.

REFERENCES: (SEE SHEET 1)

TABLE II

MODE	VALVE POSITIONS
START-UP	F047 OPEN F049 OPEN F043 CLOSED
NORMAL	CLOSED OPEN CLOSED CLOSED
INITIAL PLANT START-UP & LOW ACTIVITY OPERATIONS	CLOSED CLOSED CLOSED OPEN

GENERAL ELECTRIC COMPANY
PROPRIETARY INFORMATION NOTICE
"FURNISHING THIS DOCUMENT DOES NOT CONVEY ANY LICENSE EXPRESS OR IMPLIED TO USE ANY PATENTED INVENTION OR OTHER PROPRIETARY INFORMATION OF GENERAL ELECTRIC CONTAINED HEREIN OR ANY RIGHT TO PUBLISH OR MAKE COPIES OF THE DOCUMENT WITHOUT PRIOR WRITTEN APPROVAL AND THE DOCUMENT AND ALL COPIES OF THE DOCUMENT OR ANY PART THEREOF SHALL BE RETURNED UPON WRITTEN REQUEST OF GENERAL ELECTRIC HOWEVER THIS DOES NOT ALTER IN ANY WAY THE RIGHTS AND OBLIGATIONS DEFINED BY THE APPLICABLE CONTRACTS."

THIS DWG. DEVELOPED FROM G. E. DWG. NO. 761E4748A REV. 3 (LVN-FV012) (LVN-F0008) MPL NO. 2N62-1310

CRITICAL DOCUMENT

MPL No. 2N62-1010 ACAD2010 H2604502

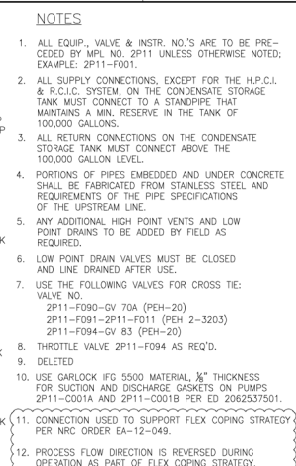
SOUTHERN COMPANY

EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
OFF GAS SYSTEM
P & ID
SHEET 2

DATE	BY	CHKD	APPD	LOCATION	ISSUE NUMBER	REVISION
8-31-72	WJB	MD			10-502	H-26045
		None				16.0

Version: 16.0 Date: 02/16/16
REVISED PER ABN SNC345359J009, VER 1.0

DRAWING CATEGORY: CRITICAL



REFERENCES		
REFERENCE		MPL ITEM NO SS DWG. NO.
1.	P&ID RADWASTE SYS., SH. 1	2011-1010 H-26026
2.	P&ID RADWASTE SYS., SH. 2	2011-1010 H-26027
3.	P&ID RADWASTE SYS., SH. 3	2011-1010 H-26028
4.	P&ID RADWASTE SYS., SH. 4	2011-1010 H-26029
5.	P&ID RADWASTE SYS., SH. 5	2011-1010 H-26030
6.	P&ID RADWASTE SYS., SH. 6	2011-1010 H-26031
7.	P&ID RADWASTE SYS., SH. 7	2011-1010 H-26032
8.	FOAM SPRAY SYS. P&ID	2011-1010 H-26033
9.	REACTOR CLEAN-UP SYS. P&ID	2031-1010 H-26037
10.	C.R.D. SYSTEM P&ID	2011-1010 H-26039
11.	CO ₂ LIQ. SYSTEM P&ID	2011-1010 H-26042
12.	FUEL POOL COOLING SYS. P&ID	2041-1010 H-26007
13.	FUEL POOL COOLING SYS. P&ID	2041-1020 H-26040
14.	ENGINE SYSTEM DOWNSIDE P&ID	2011-1010 H-26018
15.	H.P.C.I. S.V.S. P&ID SH. 1	2041-1010 H-26020
16.	R.H.R. SYS. P&ID SH. 1	2011-1010 H-26014
17.	R.H.R. SYS. P&ID SH. 2	2011-1010 H-26015
18.	TURBINE BLDG. CND'S & FW BYPASS & DRAINS SYS. P&ID	2021-1010 H-21037
19.	P&ID SH. 1	2021-1010 H-26043
20.	DEMINERALIZED WATER SYSTEM P&ID	2021-1010 H-26047
21.	CONDENSATE POLISHING SYSTEM P&ID	2021-1010 H-21018
22.	DEMINERALIZED SYS. P&ID, I.D.	2032-1010 H-26033
23.	RADIATION SODIFICATION SYSTEM P&ID, I.D.	2033-1010 H-26038
24.	SAMPLING SYSTEM REACTOR & FLOWMETER BLDG.	
25.	TORUS DRAINAGE & PURIFICATION SYSTEM P&ID & PFD.	
26.	CONDENSATE STORAGE & TRANSFER SYS. P&ID	P-1-1010 H-16016
27.	MAIN & RFP TURB. DRAINS P&ID	2022-1010 H-21031

MPL NO. 2P11-1010

SOUTHERN
COMPANY

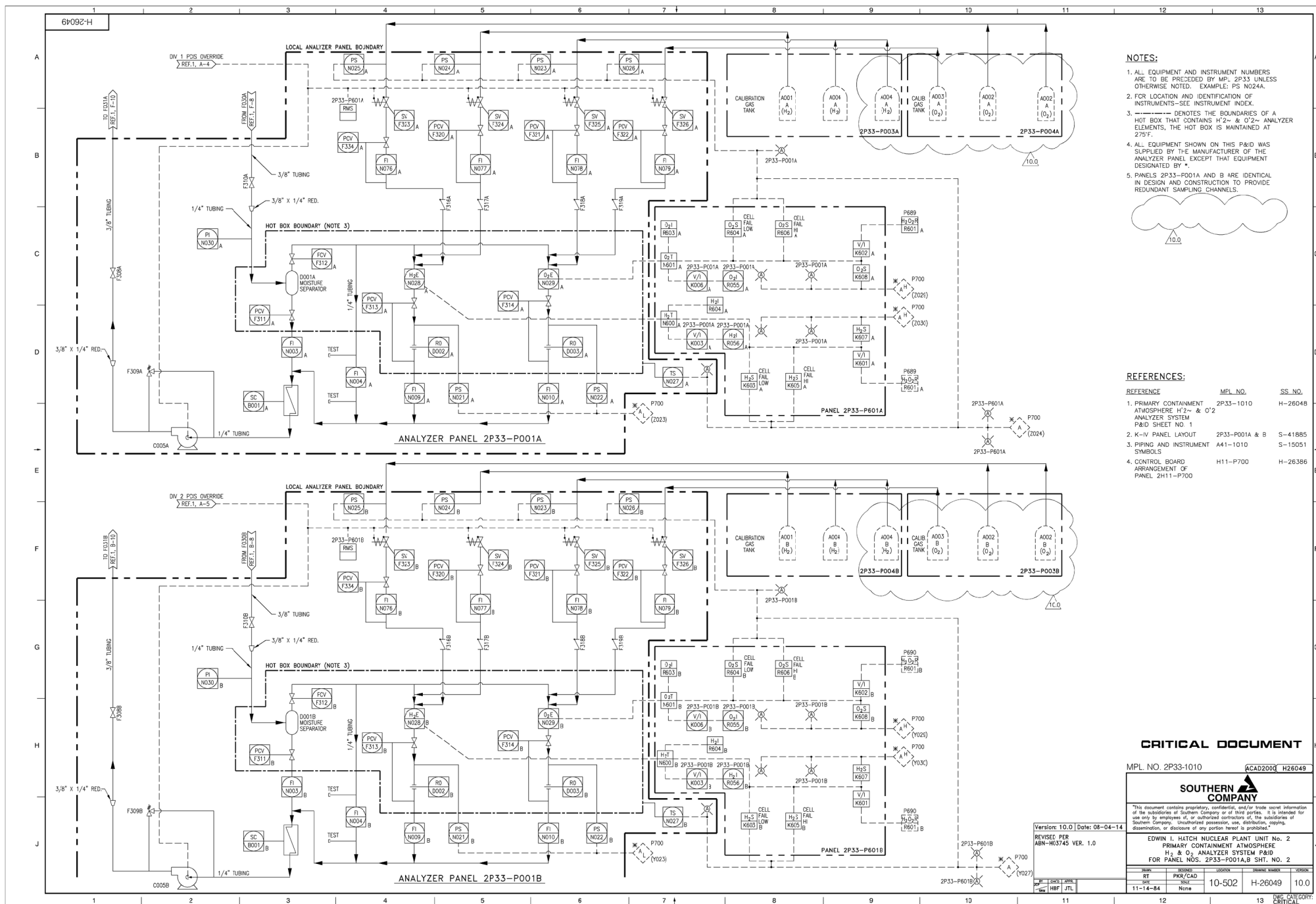


EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
REACTOR & RADWASTE BUILDINGS

REACTOR & RADWASTE BUILDINGS
CONDENSATE STORAGE & TRANSFER
SYSTEM DIAGRAM

DESIGN	DESIGNED	LOCATION	DRAWING NUMBER	VERSION
GSN	JVN	10-502	H-26046	48.0
DATE	SCALE			
5-9-72	None			

12	13 CRITICAL
----	-------------



NOTES:

1. ALL EQUIPMENT AND INSTRUMENT NUMBERS ARE TO BE PRECEDED BY MPL 2P33 UNLESS OTHERWISE NOTED. EXAMPLE: PS N024A.
2. FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS-SEE INSTRUMENT INDEX.
3. ----- DENOTES THE BOUNDARIES OF A HOT BOX THAT CONTAINS H₂- & O₂- ANALYZER ELEMENTS, THE HOT BOX IS MAINTAINED AT 275°F.
4. ALL EQUIPMENT SHOWN ON THIS P&ID WAS SUPPLIED BY THE MANUFACTURER OF THE ANALYZER PANEL EXCEPT THAT EQUIPMENT DESIGNATED BY *.
5. PANELS 2P33-P001A AND B ARE IDENTICAL IN DESIGN AND CONSTRUCTION TO PROVIDE REDUNDANT SAMPLING CHANNELS.

REFERENCES:

REFERENCE	MPL NO.	SS NO.
1. PRIMARY CONTAINMENT ATMOSPHERE H ₂ - & O ₂ ANALYZER SYSTEM P&ID SHEET NO. 1	2P33-1010	H-26048
2. K-V PANEL LAYOUT	2P33-P001A & B	S-41685
3. PIPING AND INSTRUMENT SYMBOLS	A41-1010	S-15051
4. CONTROL BOARD ARRANGEMENT OF PANEL 2H11-1-P700	H11-P700	H-26386

CRITICAL DOCUMENT

MPL NO. 2P33-1010 ACAD2000 H26049



"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unrestricted possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
PRIMARY CONTAINMENT ATMOSPHERE
H₂ & O₂ ANALYZER SYSTEM P&ID
FOR PANEL NOS. 2P33-P001A,B SHT. NO. 2

NAME	DESIGN	LOCATION	ISSUED NUMBER	VERSION
RT	PSR/CAD			
11-14-84	None		10-502	H-26049

Version: 10.0 | Date: 08-04-14
REVISED PER
ARM-103745 VER. 1.0

DATE	BY	CHKD	APPD
11-14-84	MBF	JTL	

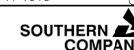
DOC. CATEGORY:
CRITICAL

1. MOTOR HAS BEEN ELECTRICALLY DISCONNECTED. HAND SWITCH AND INDICATOR LIGHT HAS BEEN REMOVED FROM P654.

CRITICAL DOCUMENT

MPL No. 2P41-1010

QY2010 H26051



*This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

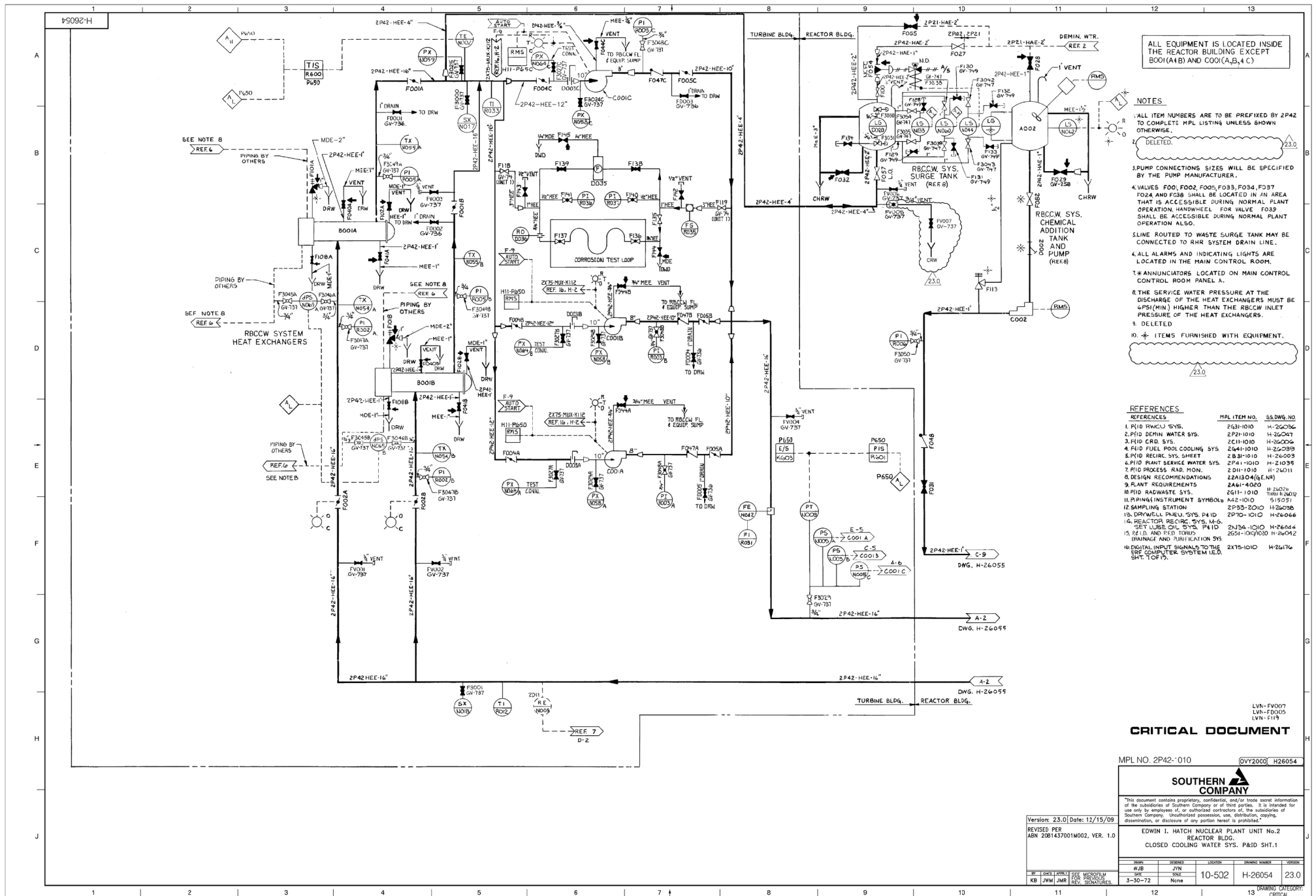
EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
REACTOR BUILDING - PLANT
SERVICE WATER SYSTEM P & I. D. SHT 2

Version: 52.0 Date: 06/23/16

REVISED PER:
SNC795527M001, VER 1.0
SNC795526M0005, VER1.0

			DESIGN	DESIGNED	LOCATION	DRAWING NUMBER	VERSION
			TJK	VFD	10-502	H-26051	52.0
			DATE	SCALE			
GTR DAB JTL			4-18-72	None			

13	DWG. CATEGORY CRITICAL
----	---------------------------



ALL EQUIPMENT IS LOCATED INSIDE THE REACTOR BUILDING EXCEPT 800(A1B) AND 800(A3B,4C)

- NOTES**
- ALL ITEM NUMBERS ARE TO BE PREFIXED BY 2P42 TO COMPLETE MPL LISTING UNLESS SHOWN OTHERWISE.
 - DELETED.
 - PUMP CONNECTIONS SIZES WILL BE SPECIFIED BY THE PUMP MANUFACTURER.
 - VALVES F001, F002, F003, F034, F037, F024 AND F038 SHALL BE LOCATED IN AN AREA THAT IS ACCESSIBLE DURING NORMAL PLANT OPERATION HANDWHEEL FOR VALVE F038 SHALL BE ACCESSIBLE DURING NORMAL PLANT OPERATION ALSO.
 - LINE ROUTED TO WASTE SURGE TANK MAY BE CONNECTED TO RWR SYSTEM DRAIN LINE.
 - ALL ALARMS AND INDICATING LIGHTS ARE LOCATED IN THE MAIN CONTROL ROOM.
 - ALARMS LOCATED ON MAIN CONTROL ROOM PANEL A.
 - THE SERVICE WATER PRESSURE AT THE DISCHARGE OF THE HEAT EXCHANGERS MUST BE 4PSI(MIN) HIGHER THAN THE RBCW INLET PRESSURE OF THE HEAT EXCHANGERS.
 - DELETED
 - ITEMS FURNISHED WITH EQUIPMENT.

REFERENCES

REFERENCES	MPL ITEM NO.	55.DWG.NO.
1. P10 RWCW SYS.	P031-1010	H-26006
2. P10 DEMIN WATER SYS.	P221-1010	H-26047
3. P10 CRD. SYS.	P211-1010	H-26006
4. P10 FUEL POOL COOLING SYS.	P241-1010	H-26009
5. P10 RECIRC. SYS. SHEET	P231-1010	H-26005
6. P10 PLANT SERVICE WATER SYS.	P241-1010	H-21058
7. P10 PROCESS RAD. MON.	P211-1010	H-26011
8. DESIGN RECOMMENDATIONS	P241-1010	H-26011
9. PLANT REQUIREMENTS	P241-1010	H-26011
10. P10 RADWASTE SYS.	P211-1010	H-26011
11. P10 INSTRUMENT SYMBOLS	P241-1010	H-26011
12. SAMPLING STATION	P241-1010	H-26011
13. DRYWELL PANEL SYS. P10	P241-1010	H-26011
14. REACTOR RECIRC. SYS. H-6	P241-1010	H-26011
15. SET LBSE OIL SYS. P10	P241-1010	H-26011
16. P10 AND P10 TONIO	P241-1010	H-26011
17. DRAINAGE AND PURIFICATION SYS	P241-1010	H-26011
18. DIGITAL INPUT SIGNALS TO THE REC. COMP. SYS. H-6	P241-1010	H-26011

CRITICAL DOCUMENT

MPL NO. 2P42-010 (0VY2000) H26054

SOUTHERN NUCLEAR COMPANY

"This document contains proprietary, confidential, and/or trade secret information of the Southern Nuclear Company or its third parties. It is intended for use only by employees of, or authorized contractors of, the Southern Nuclear Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

EDWIN I. HATCH NUCLEAR PLANT No.2
CLOSED COOLING WATER SYS. P&ID SHT.1

DATE	REVISION	LOCATION	REVISION NUMBER	REVISION
10-502	H-26054	23.0		

Version: 23.0 Date: 12/15/09
REVISED PER
ASN 2081437001M002, VER. 1.0

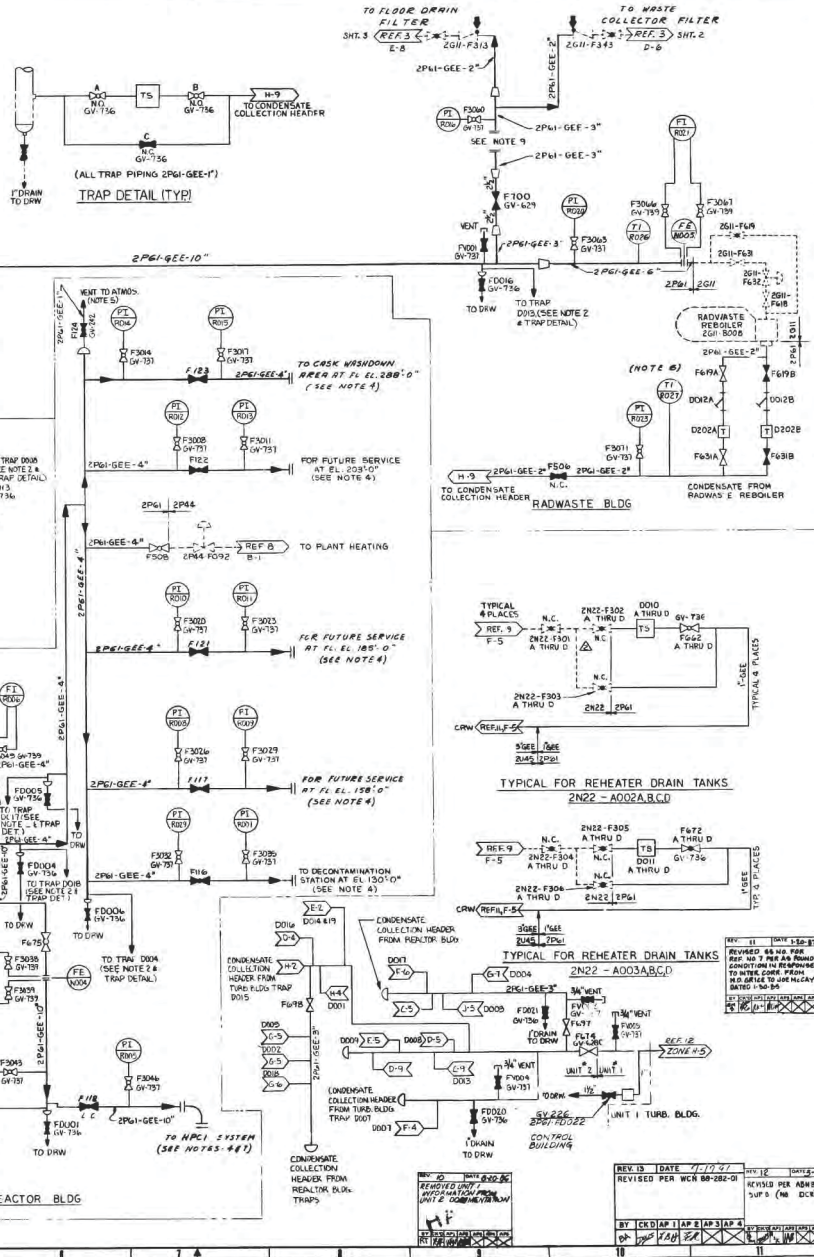
NO.	DATE	APPROVED	BY	FOR	REVISIONS
1	10-502	H-26054	23.0		

LVN-FV007
LVN-FV005
LVN-F119

DRAWING CATEGORY: CRITICAL

ITEM NO.	2PGI NO.	LOCATION & SERVICE
A	F101	DRAIN TRAP & STRAINER
B	F102	UPSTREAM OF 2PGI-F104
C	F103	
TS	D001	
A	F105	DRAIN TRAP & STRAINER
B	F106	UPSTREAM OF 2PGI-F108
C	F107	
TS	D002	
A	F109	DRAIN TRAP & STRAINER
B	F110	UPSTREAM OF 2PGI-F112
C	F111	
TS	D003	
A	F113	DRAIN TRAP & STRAINER
B	F114	UPSTREAM OF 2PGI-F116
C	F115	
TS	D004	
A	F117	DRAIN TRAP & STRAINER
B	F118	UPSTREAM OF 2PGI-F120
C	F119	
TS	D005	
A	F646	DRAIN TRAP & STRAINER
B	F647	UPSTREAM OF 2PGI-F645
C	F648	
TS	D006	
A	F649	DRAIN TRAP & STRAINER
B	F650	UPSTREAM OF 2PGI-F645
C	F651	
TS	D007	
A	F653	DRAIN TRAP & STRAINER
B	F654	UPSTREAM OF 2PGI-F500
C	F655	
TS	D008	
A	F657	DRAIN TRAP & STRAINER
B	F658	UPSTREAM OF 2PGI-F227
C	F659	
TS	D009	
A	F676	DRAIN TRAP & STRAINER
B	F677	UPSTREAM OF 2PGI-F681
C	F678	
TS	D010	
A	F674	DRAIN TRAP & STRAINER
B	F675	UPSTREAM OF 2PGI-F671
C	F676	
TS	D011	

ITEM NO.	2PGI NO.	LOCATION & SERVICE
A	F679	DRAIN TRAP & STRAINER
B	F680	UPSTREAM OF 2PGI-F683
C	F681	
TS	D012	
A	F683	DRAIN TRAP & STRAINER
B	F684	UPSTREAM OF 2PGI-F645
C	F685	
TS	D013	
A	F686	DRAIN TRAP & STRAINER
B	F687	UPSTREAM OF 2PGI-F670
C	F688	
TS	D014	
A	F689	DRAIN TRAP & STRAINER
B	F690	UPSTREAM OF 2PGI-F516
C	F691	
TS	D015	
A	F692	DRAIN TRAP & STRAINER
B	F693	UPSTREAM OF 2PGI-F508
C	F694	
TS	D016	



- ### NOTES
1. ALL EQUIPMENT AND INSTRUMENT NUMBERS ON THIS DWG ARE PRECEDED BY MPL 2PGI UNLESS OTHERWISE NOTED.
 2. STEAM TRAPS TO BE ADDED AS NEEDED AND AS DETERMINED BY THE PHYSICAL ROUTING OF THE SYSTEM PIPING. LIQUIDS GATHERED BY THE TRAPS SHALL BE PIPED TO THE AUX. STEAM HEATER DRAIN TRAP DRAIN.
 3. ALL PRESSURE GAUGES TO BE LOCATED AT ELEVATIONS NOT IN EXCESS OF 5'-0" ABOVE THE RESPECTIVE FLOOR.
 4. PIPE END CONNECTIONS TO BE BLIND FLANGED AND SEALED WITH ASBESTOS FILLED METAL GASKET.
 5. VENT TO BE EMPLOYED ONLY AFTER F104 IS SHUT AND LOCKED AND THE SYSTEM PIPING IS NO LONGER WARM TO THE TOUCH.
 6. TO BE LOCATED ADJACENT TO THE REBILER.
 7. REMOVABLE ELBOW IS NORMALLY DISCONNECTED AND BLIND FLANGED.
 8. ANY ADDITIONAL HIGH POINT VENTS AND LOW POINT DRAINS TO BE ADDED BY FIELD AS REQUIRED.
 9. SHOULD STEAM SUPPLY TO RADWASTE FILTERS BE REQUIRED IN THE FUTURE, INSTALL PRESSURE REDUCING VALVE AT THIS LOCATION. VALVE OUTLET PRESSURE TO BE 50 PSIG.
 10. DO NOT DISCARD INSTALLS TO PREVENT LEAKAGE FROM THE MAIN STEAM SYSTEM INTO THE AUX. STEAM SYSTEM.

REFERENCES (CONT)

TITLE	MPL NO.	SS NO.
12. REID AUX. STEAM SYS. SOOHR BOILER		H-1637

TITLE	MPL NO.	SS NO.
1. PIPING AND INSTR. SYMBOLS	A42-101Q	S-15051
2. RADWASTE SYS. R&I.D.	2G11-1010	H-21013
3. RADWASTE SUPPORT SYS.	2G11-1010	H-21013
4. REHEAT. STEAM SYS. R&I.D.	2N22-1010	H-21013
5. CONDENSATE POLISHING DEMINERALIZER SYS. R&I.D.	2N22-1010	H-21013
6. STEAM SEAL SYS. R&I.D.	2N22-1010	H-21013
7. PLANT HEATING SYS. R&I.D.	2N22-1010	H-21013
8. TURBINE BLDG. MSP & WTR. VENTS & SHUT DRAINS.	2N22-1010	H-21013
9. TURBINE BLDG. SERVICE WATER SYS. R&I.D.	2N22-1010	H-21013
10. TURBINE BLDG. SERVICE WATER SYS. R&I.D.	2N22-1010	H-21013

CRITICAL DOCUMENT
MPL NO. 2PGI-1010

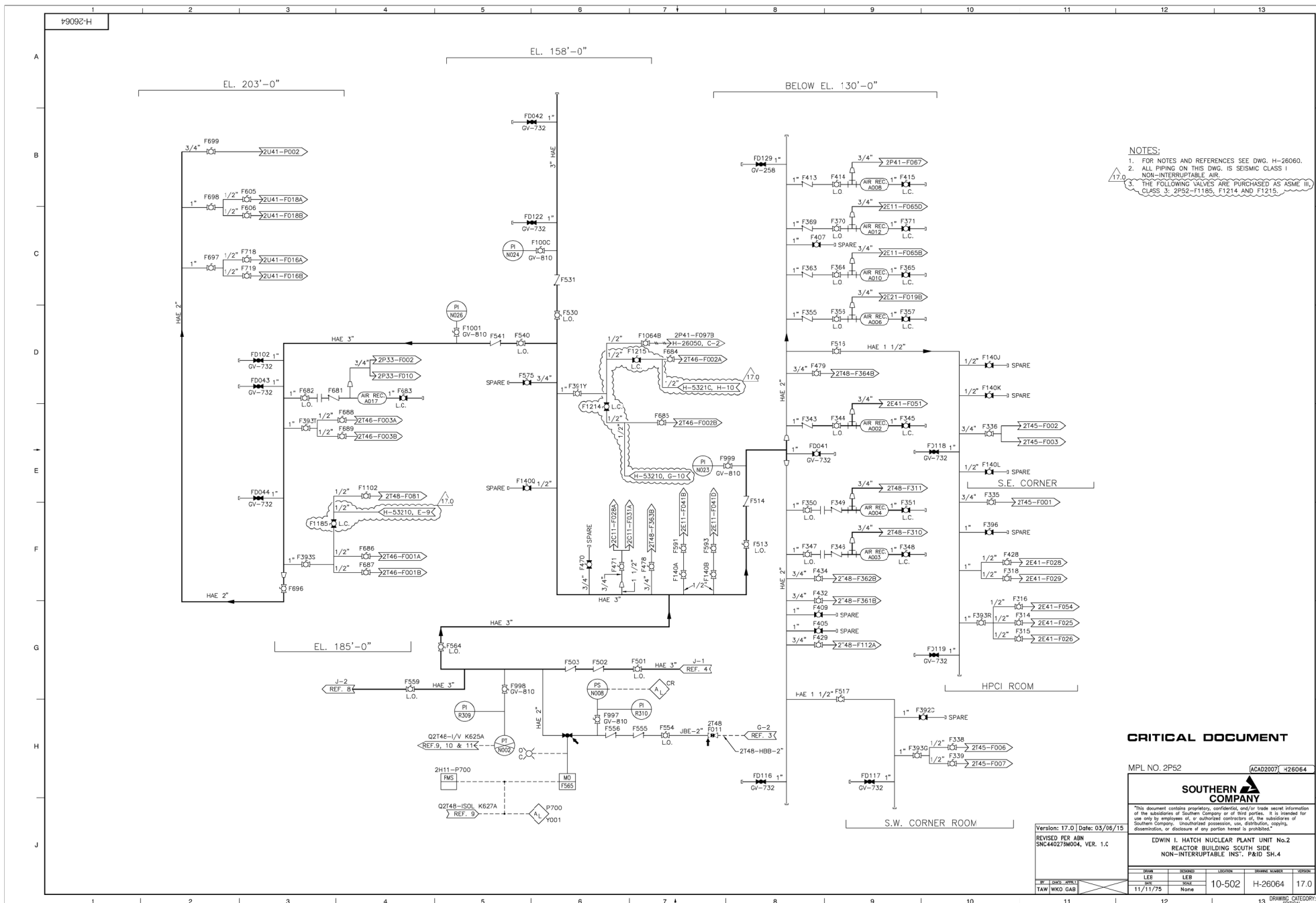
BECHTEL
100 8511 GAITHERSBURG, MARYLAND

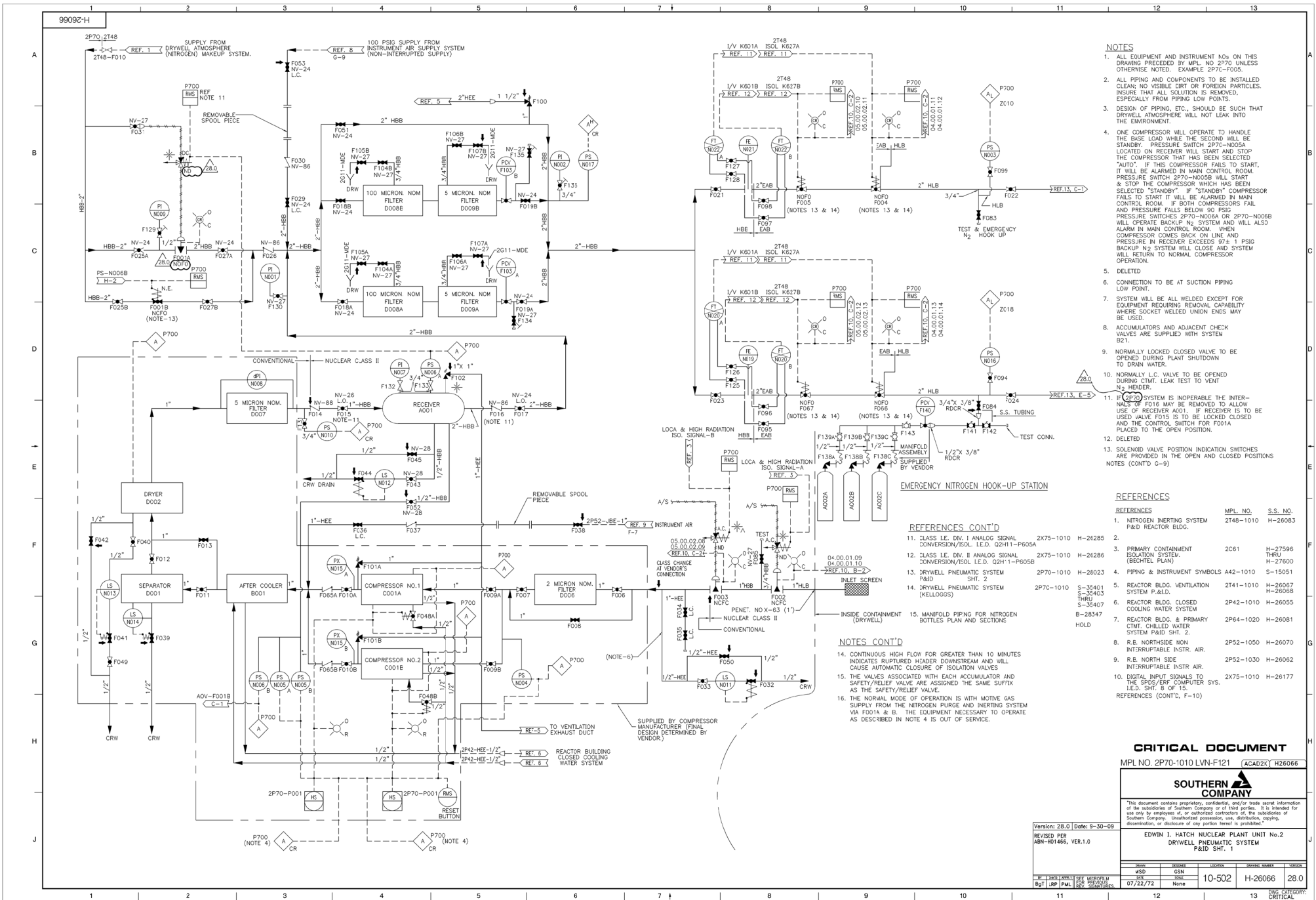
SOUTHERN SERVICES INC.
FOR

GEORGIA POWER CO., ATLANTA, GA.
GENERAL ENGINEERING DEPARTMENT

EDWIN HATCH NUCLEAR PLANT UNIT No2
REACTOR, RADWASTE & TURBINE BLDG.
AUXILIARY STEAM SYSTEM P&ID.

REVISIONS: 1-19-74, 2-19-74, 3-19-74, 4-19-74, 5-19-74, 6-19-74, 7-19-74, 8-19-74, 9-19-74, 10-19-74, 11-19-74, 12-19-74, 1-19-75, 2-19-75, 3-19-75, 4-19-75, 5-19-75, 6-19-75, 7-19-75, 8-19-75, 9-19-75, 10-19-75, 11-19-75, 12-19-75, 1-19-76, 2-19-76, 3-19-76, 4-19-76, 5-19-76, 6-19-76, 7-19-76, 8-19-76, 9-19-76, 10-19-76, 11-19-76, 12-19-76, 1-19-77, 2-19-77, 3-19-77, 4-19-77, 5-19-77, 6-19-77, 7-19-77, 8-19-77, 9-19-77, 10-19-77, 11-19-77, 12-19-77, 1-19-78, 2-19-78, 3-19-78, 4-19-78, 5-19-78, 6-19-78, 7-19-78, 8-19-78, 9-19-78, 10-19-78, 11-19-78, 12-19-78, 1-19-79, 2-19-79, 3-19-79, 4-19-79, 5-19-79, 6-19-79, 7-19-79, 8-19-79, 9-19-79, 10-19-79, 11-19-79, 12-19-79, 1-19-80, 2-19-80, 3-19-80, 4-19-80, 5-19-80, 6-19-80, 7-19-80, 8-19-80, 9-19-80, 10-19-80, 11-19-80, 12-19-80, 1-19-81, 2-19-81, 3-19-81, 4-19-81, 5-19-81, 6-19-81, 7-19-81, 8-19-81, 9-19-81, 10-19-81, 11-19-81, 12-19-81, 1-19-82, 2-19-82, 3-19-82, 4-19-82, 5-19-82, 6-19-82, 7-19-82, 8-19-82, 9-19-82, 10-19-82, 11-19-82, 12-19-82, 1-19-83, 2-19-83, 3-19-83, 4-19-83, 5-19-83, 6-19-83, 7-19-83, 8-19-83, 9-19-83, 10-19-83, 11-19-83, 12-19-83, 1-19-84, 2-19-84, 3-19-84, 4-19-84, 5-19-84, 6-19-84, 7-19-84, 8-19-84, 9-19-84, 10-19-84, 11-19-84, 12-19-84, 1-19-85, 2-19-85, 3-19-85, 4-19-85, 5-19-85, 6-19-85, 7-19-85, 8-19-85, 9-19-85, 10-19-85, 11-19-85, 12-19-85, 1-19-86, 2-19-86, 3-19-86, 4-19-86, 5-19-86, 6-19-86, 7-19-86, 8-19-86, 9-19-86, 10-19-86, 11-19-86, 12-19-86, 1-19-87, 2-19-87, 3-19-87, 4-19-87, 5-19-87, 6-19-87, 7-19-87, 8-19-87, 9-19-87, 10-19-87, 11-19-87, 12-19-87, 1-19-88, 2-19-88, 3-19-88, 4-19-88, 5-19-88, 6-19-88, 7-19-88, 8-19-88, 9-19-88, 10-19-88, 11-19-88, 12-19-88, 1-19-89, 2-19-89, 3-19-89, 4-19-89, 5-19-89, 6-19-89, 7-19-89, 8-19-89, 9-19-89, 10-19-89, 11-19-89, 12-19-89, 1-19-90, 2-19-90, 3-19-90, 4-19-90, 5-19-90, 6-19-90, 7-19-90, 8-19-90, 9-19-90, 10-19-90, 11-19-90, 12-19-90, 1-19-91, 2-19-91, 3-19-91, 4-19-91, 5-19-91, 6-19-91, 7-19-91, 8-19-91, 9-19-91, 10-19-91, 11-19-91, 12-19-91, 1-19-92, 2-19-92, 3-19-92, 4-19-92, 5-19-92, 6-19-92, 7-19-92, 8-19-92, 9-19-92, 10-19-92, 11-19-92, 12-19-92, 1-19-93, 2-19-93, 3-19-93, 4-19-93, 5-19-93, 6-19-93, 7-19-93, 8-19-93, 9-19-93, 10-19-93, 11-19-93, 12-19-93, 1-19-94, 2-19-94, 3-19-94, 4-19-94, 5-19-94, 6-19-94, 7-19-94, 8-19-94, 9-19-94, 10-19-94, 11-19-94, 12-19-94, 1-19-95, 2-19-95, 3-19-95, 4-19-95, 5-19-95, 6-19-95, 7-19-95, 8-19-95, 9-19-95, 10-19-95, 11-19-95, 12-19-95, 1-19-96, 2-19-96, 3-19-96, 4-19-96, 5-19-96, 6-19-96, 7-19-96, 8-19-96, 9-19-96, 10-19-96, 11-19-96, 12-19-96, 1-19-97, 2-19-97, 3-19-97, 4-19-97, 5-19-97, 6-19-97, 7-19-97, 8-19-97, 9-19-97, 10-19-97, 11-19-97, 12-19-97, 1-19-98, 2-19-98, 3-19-98, 4-19-98, 5-19-98, 6-19-98, 7-19-98, 8-19-98, 9-19-98, 10-19-98, 11-19-98, 12-19-98, 1-19-99, 2-19-99, 3-19-99, 4-19-99, 5-19-99, 6-19-99, 7-19-99, 8-19-99, 9-19-99, 10-19-99, 11-19-99, 12-19-99, 1-2000, 2-2000, 3-2000, 4-2000, 5-2000, 6-2000, 7-2000, 8-2000, 9-2000, 10-2000, 11-2000, 12-2000, 1-2001, 2-2001, 3-2001, 4-2001, 5-2001, 6-2001, 7-2001, 8-2001, 9-2001, 10-2001, 11-2001, 12-2001, 1-2002, 2-2002, 3-2002, 4-2002, 5-2002, 6-2002, 7-2002, 8-2002, 9-2002, 10-2002, 11-2002, 12-2002, 1-2003, 2-2003, 3-2003, 4-2003, 5-2003, 6-2003, 7-2003, 8-2003, 9-2003, 10-2003, 11-2003, 12-2003, 1-2004, 2-2004, 3-2004, 4-2004, 5-2004, 6-2004, 7-2004, 8-2004, 9-2004, 10-2004, 11-2004, 12-2004, 1-2005, 2-2005, 3-2005, 4-2005, 5-2005, 6-2005, 7-2005, 8-2005, 9-2005, 10-2005, 11-2005, 12-2005, 1-2006, 2-2006, 3-2006, 4-2006, 5-2006, 6-2006, 7-2006, 8-2006, 9-2006, 10-2006, 11-2006, 12-2006, 1-2007, 2-2007, 3-2007, 4-2007, 5-2007, 6-2007, 7-2007, 8-2007, 9-2007, 10-2007, 11-2007, 12-2007, 1-2008, 2-2008, 3-2008, 4-2008, 5-2008, 6-2008, 7-2008, 8-2008, 9-2008, 10-2008, 11-2008, 12-2008, 1-2009, 2-2009, 3-2009, 4-2009, 5-2009, 6-2009, 7-2009, 8-2009, 9-2009, 10-2009, 11-2009, 12-2009, 1-2010, 2-2010, 3-2010, 4-2010, 5-2010, 6-2010, 7-2010, 8-2010, 9-2010, 10-2010, 11-2010, 12-2010, 1-2011, 2-2011, 3-2011, 4-2011, 5-2011, 6-2011, 7-2011, 8-2011, 9-2011, 10-2011, 11-2011, 12-2011, 1-2012, 2-2012, 3-2012, 4-2012, 5-2012, 6-2012, 7-2012, 8-2012, 9-2012, 10-2012, 11-2012, 12-2012, 1-2013, 2-2013, 3-2013, 4-2013, 5-2013, 6-2013, 7-2013, 8-2013, 9-2013, 10-2013, 11-2013, 12-2013, 1-2014, 2-2014, 3-2014, 4-2014, 5-2014, 6-2014, 7-2014, 8-2014, 9-2014, 10-2014, 11-2014, 12-2014, 1-2015, 2-2015, 3-2015, 4-2015, 5-2015, 6-2015, 7-2015, 8-2015, 9-2015, 10-2015, 11-2015, 12-2015, 1-2016, 2-2016, 3-2016, 4-2016, 5-2016, 6-2016, 7-2016, 8-2016, 9-2016, 10-2016, 11-2016, 12-2016, 1-2017, 2-2017, 3-2017, 4-2017, 5-2017, 6-2017, 7-2017, 8-2017, 9-2017, 10-2017, 11-2017, 12-2017, 1-2018, 2-2018, 3-2018, 4-2018, 5-2018, 6-2018, 7-2018, 8-2018, 9-2018, 10-2018, 11-2018, 12-2018, 1-2019, 2-2019, 3-2019, 4-2019, 5-2019, 6-2019, 7-2019, 8-2019, 9-2019, 10-2019, 11-2019, 12-2019, 1-2020, 2-2020, 3-2020, 4-2020, 5-2020, 6-2020, 7-2020, 8-2020, 9-2020, 10-2020, 11-2020, 12-2020, 1-2021, 2-2021, 3-2021, 4-2021, 5-2021, 6-2021, 7-2021, 8-2021, 9-2021, 10-2021, 11-2021, 12-2021, 1-2022, 2-2022, 3-2022, 4-2022, 5-2022, 6-2022, 7-2022, 8-2022, 9-2022, 10-2022, 11-2022, 12-2022, 1-2023, 2-2023, 3-2023, 4-2023, 5-2023, 6-2023, 7-2023, 8-2023, 9-2023, 10-2023, 11-2023, 12-2023, 1-2024, 2-2024, 3-2024, 4-2024, 5-2024, 6-2024, 7-2024, 8-2024, 9-2024, 10-2024, 11-2024, 12-2024, 1-2025, 2-2025, 3-2025, 4-2025, 5-2025, 6-2025, 7-2025, 8-2025, 9-2025, 10-2025, 11-2025, 12-2025, 1-2026, 2-2026, 3-2026, 4-2026, 5-2026, 6-2026, 7-2026, 8-2026, 9-2026, 10-2026, 11-2026, 12-2026, 1-2027, 2-2027, 3-2027, 4-2027, 5-2027, 6-2027, 7-2027, 8-2027, 9-2027, 10-2027, 11-2027, 12-2027, 1-2028, 2-2028, 3-2028, 4-2028, 5-2028, 6-2028, 7-2028, 8-2028, 9-2028, 10-2028, 11-2028, 12-2028, 1-2029, 2-2029, 3-2029, 4-2029, 5-2029, 6-2029, 7-2029, 8-2029, 9-2029, 10-2029, 11-2029, 12-2029, 1-2030, 2-2030, 3-2030, 4-2030, 5-2030, 6-2030, 7-2030, 8-2030, 9-2030, 10-2030, 11-2030, 12-2030, 1-2031, 2-2031, 3-2031, 4-2031, 5-2031, 6-2031, 7-2031, 8-2031, 9-2031, 10-2031, 11-2031, 12-2031, 1-2032, 2-2032, 3-2032, 4-2032, 5-2032, 6-2032, 7-2032, 8-2032, 9-2032, 10-2032, 11-2032, 12-2032, 1-2033, 2-2033, 3-2033, 4-2033, 5-2033, 6-2033, 7-2033, 8-2033, 9-2033, 10-2033, 11-2033, 12-2033, 1-2034, 2-2034, 3-2034, 4-2034, 5-2034, 6-2034, 7-2034, 8-2034, 9-2034, 10-2034, 11-2034, 12-2034, 1-2035, 2-2035, 3-2035, 4-2035, 5-2035, 6-2035, 7-2035, 8-2035, 9-2035, 10-2035, 11-2035, 12-2035, 1-2036, 2-2036, 3-2036, 4-2036, 5-2036, 6-2036, 7-2036, 8-2036, 9-2036, 10-2036, 11-2036, 12-2036, 1-2037, 2-2037, 3-2037, 4-2037, 5-2037, 6-2037, 7-2037, 8-2037, 9-2037, 10-2037, 11-2037, 12-2037, 1-2038, 2-2038, 3-2038, 4-2038, 5-2038, 6-2038, 7-2038, 8-2038, 9-2038, 10-2038, 11-2038, 12-2038, 1-2039, 2-2039, 3-2039, 4-2039, 5-2039, 6-2039, 7-2039, 8-2039, 9-2039, 10-2039, 11-2039, 12-2039, 1-2040, 2-2040, 3-2040, 4-2040, 5-2040, 6-2040, 7-2040, 8-2040, 9-2040, 10-2040, 11-2040, 12-2040, 1-2041, 2-2041, 3-2041, 4-2041, 5-2041, 6-2041, 7-2041, 8-2041, 9-2041, 10-2041, 11-2041, 12-2041, 1-2042, 2-2042, 3-2042, 4-2042, 5-2042, 6-2042, 7-2042, 8-2042, 9-2042, 10-2042, 11-2042, 12-2042, 1-2043, 2-2043, 3-2043, 4-2043, 5-2043, 6-2043, 7-2043, 8-2043, 9-2043, 10-2043, 11-2043, 12-2043, 1-2044, 2-2044, 3-2044, 4-2044, 5-2044, 6-2044, 7-2044, 8-2044, 9-2044, 10-2044, 11-2044, 12-2044, 1-2045, 2-2045, 3-2045, 4-2045, 5-2045, 6-2045, 7-2045, 8-2045, 9-2045, 10-2045, 11-2045, 12-2045, 1-2046, 2-2046, 3-2046, 4-2046, 5-2046, 6-2046, 7-2046, 8-2046, 9-2046, 10-2046, 11-2046, 12-2046, 1-2047, 2-2047, 3-2047, 4-2047, 5-2047, 6-2047, 7-2047, 8-2047, 9-2047, 10-2047, 11-2047, 12-2047, 1-2048, 2-2048, 3-2048, 4-2048, 5-2048, 6-2048, 7-2048, 8-2048, 9-2048, 10-2048, 11-2048, 12-2048, 1-2049, 2-2049, 3-2049, 4-2049, 5-2049, 6-2049, 7-2049, 8-2049, 9-2049, 10-2049, 11-2049, 12-2049, 1-2050, 2-2050, 3-2050, 4-2050, 5-2050, 6-2050, 7-2050, 8-2050, 9-2050, 10-2050, 11-2050, 12-2050, 1-2051, 2-2051, 3-2051, 4-2051, 5-2051, 6-2051, 7-2051, 8-2051, 9-2051, 10-2051, 11-2051, 12-2051, 1-2052, 2-2052, 3-2052, 4-2052, 5-2052, 6-2052, 7-2052, 8-2052, 9-2052, 10-2052, 11-2052, 12-2052, 1-2053, 2-2053, 3-2053, 4-2053, 5-2053, 6-2053, 7-2053, 8-2053, 9-2053, 10-2053, 11-2053, 12-2053, 1-2054, 2-2054, 3-2054, 4-2054, 5-2054, 6-2054, 7-2054, 8-2054, 9-2054, 10-2054, 11-2054, 12-2054, 1-2055, 2-2055, 3-2055, 4-2055, 5-2055, 6-2055, 7-2055, 8-2055, 9-2055, 10-2055, 11-2055, 12-2055, 1-2056, 2-2056, 3-2056, 4-2056, 5-2056, 6-2056, 7-2056, 8-2056, 9-2056, 10-2056, 11-2056, 12-2056, 1-2057, 2-2057, 3-2057, 4-2057, 5-2057, 6-2057, 7-2057, 8-2057, 9-2057, 10-2057, 11-2057, 12-2057, 1-2058, 2-2058, 3-2058, 4-2058, 5-2058, 6-2058, 7-2058, 8-2058, 9-2058, 10-2058, 11-2058, 12-2058, 1-2059, 2-2059, 3-2059, 4-2059, 5-2059, 6-2059, 7-2059, 8-2059, 9-2059, 10-2059, 11-2059, 12-2059, 1-2060, 2-2060, 3-2060, 4-2060, 5-2060, 6-2060, 7-2060, 8-2060, 9-2060, 10-2060, 11-2060, 12-2060, 1-2061, 2-2061, 3-2061, 4-2061, 5-2061, 6-2061, 7-2061, 8-2061, 9-206





- NOTES**
1. ALL EQUIPMENT AND INSTRUMENT LOGS ON THIS DRAWING PRECEDED BY MPL NO. 2P70-1010 UNLESS OTHERWISE NOTED. EXAMPLE 2P70-1010.
 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-NO05A LOCATED ON RECEIVER WILL START AND STOP THE COMPRESSOR THAT HAS BEEN SELECTED "STANDBY". IF "STANDBY" COMPRESSOR FAILS TO START IT WILL BE ALARMED IN MAIN CONTROL ROOM. PRESSURE SWITCH 2P70-NO05B WILL START & STOP THE COMPRESSOR WHICH HAS BEEN SELECTED "STANDBY". IF BOTH COMPRESSORS FAIL AND PRESSURE FALLS BELOW 90 PSIG. PRESSURE SWITCHES 2P70-NO05A OR 2P70-NO05B WILL OPERATE BACKUP N₂ SYSTEM AND ALSO ALARM IN MAIN CONTROL ROOM. WHEN COMPRESSOR COMES BACK ON LINE AND PRESSURE IN RECEIVER EXCEEDS 97.5 PSIG BACKUP N₂ 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 REMOVAL CAPABILITY WHERE SOCKET WELDED JUNCTION 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 CMT. LEAK TEST TO VENT N₂ HEADER.
 11. IF 2P70 SYSTEM IS INOPERABLE THE INTERNALS OF F016 MAY BE REMOVED TO ALLOW USE OF RECEIVER. IF SYSTEM IS TO BE USED VALVE F015 IS TO BE LOCKED CLOSED AND THE CONTROL SWITCH FOR F016A 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)

- REFERENCES**
- | REFERENCES | MPL NO. | S.S. NO. |
|---|-----------|----------------------|
| 1. NITROGEN INERTING SYSTEM P&ID REACTOR BLDG. | 2T48-1010 | H-26083 |
| 2. PRIMARY CONTAINMENT ISOLATION SYSTEM (BECHTEL PLAN) | 2C61 | H-27596 THRU H-27600 |
| 3. PIPING & INSTRUMENT SYMBOLS | A42-1010 | S-15051 |
| 4. REACTOR BLDG. VENTILATION SYSTEM P&ID. | 2T41-1010 | H-26057 |
| 5. REACTOR BLDG. CLOSED COOLING WATER SYSTEM | 2P42-1010 | H-26055 |
| 6. REACTOR BLDG. & PRIMARY CMT. CHILLED WATER SYSTEM P&ID SHI. 2. | 2P64-1020 | H-26081 |
| 7. R.E. NORTH SIDE INTERRUPTIBLE INSTR. AIR. | 2P52-1050 | H-26070 |
| 8. R.E. NORTH SIDE INTERRUPTIBLE INSTR. AIR. | 2P52-1030 | H-26062 |
| 9. DIGITAL INPUT SIGNALS TO THE SPDS/ERP COMPUTER SYS. I.E.D. SHI. B 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 SHI. 2 2P70-1010 H-26023
14. DRYWELL PNEUMATIC SYSTEM (KELLOGGS) 2P70-1010 S-35401 THRU S-35407
15. MANIFOLD PIPING FOR NITROGEN BOTTLES PLAN AND SECTIONS B-28347 HOLD

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.

CRITICAL DOCUMENT

MPL NO. 2P70-1010 LVN-F121 ACAD2C H26066



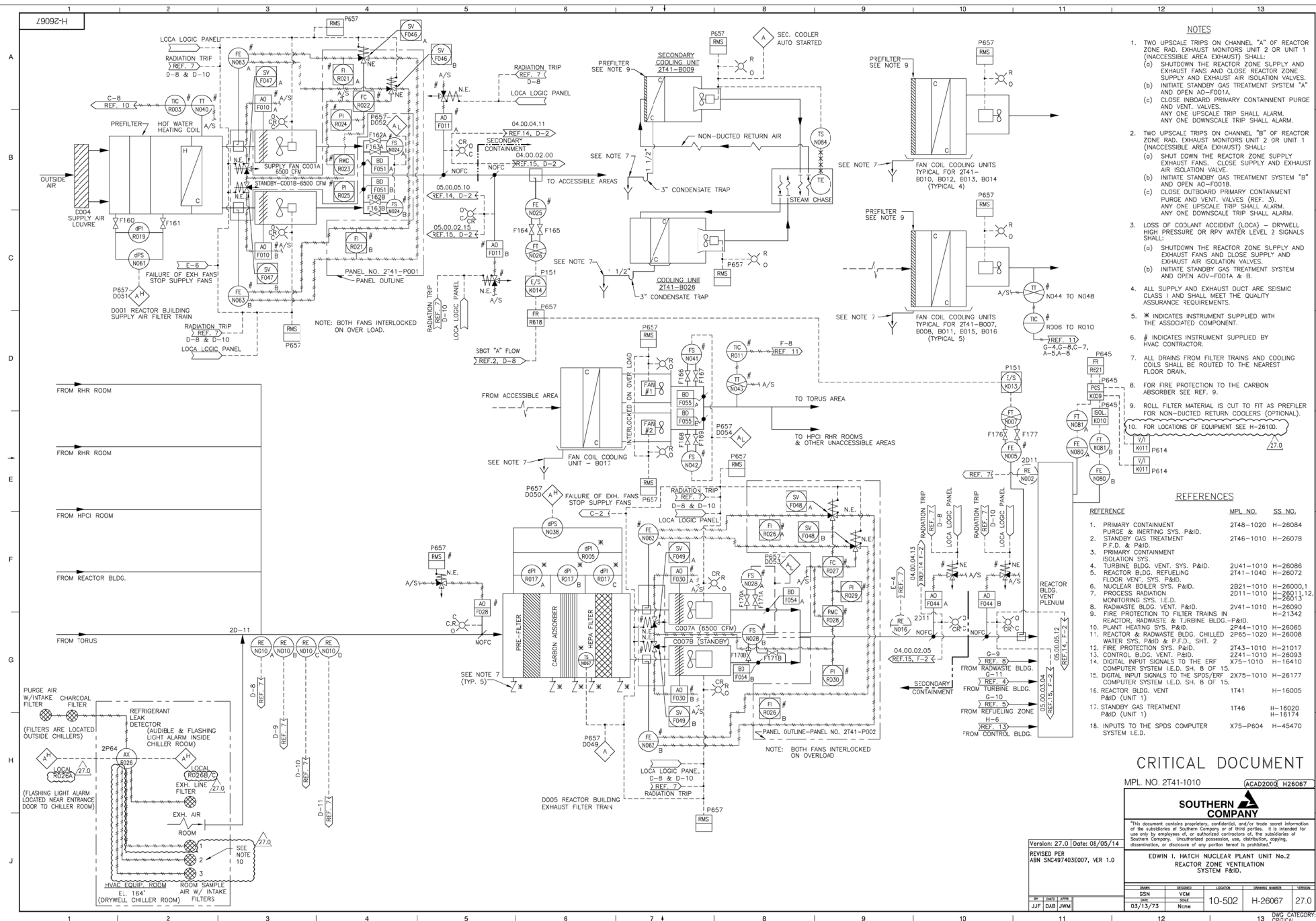
"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unlawful reproduction, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

Version: 28.0 Date: 9-30-09
REVISED PER ABN-H01456, VER.1.0

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
DRYWELL PNEUMATIC SYSTEM
P&ID SHI. 1

DATE	REVISION	LOCATION	REVISION NUMBER	REVISION
07/22/72	None		10-502	H-26066
07/22/72	None		28.0	

CRITICAL



"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

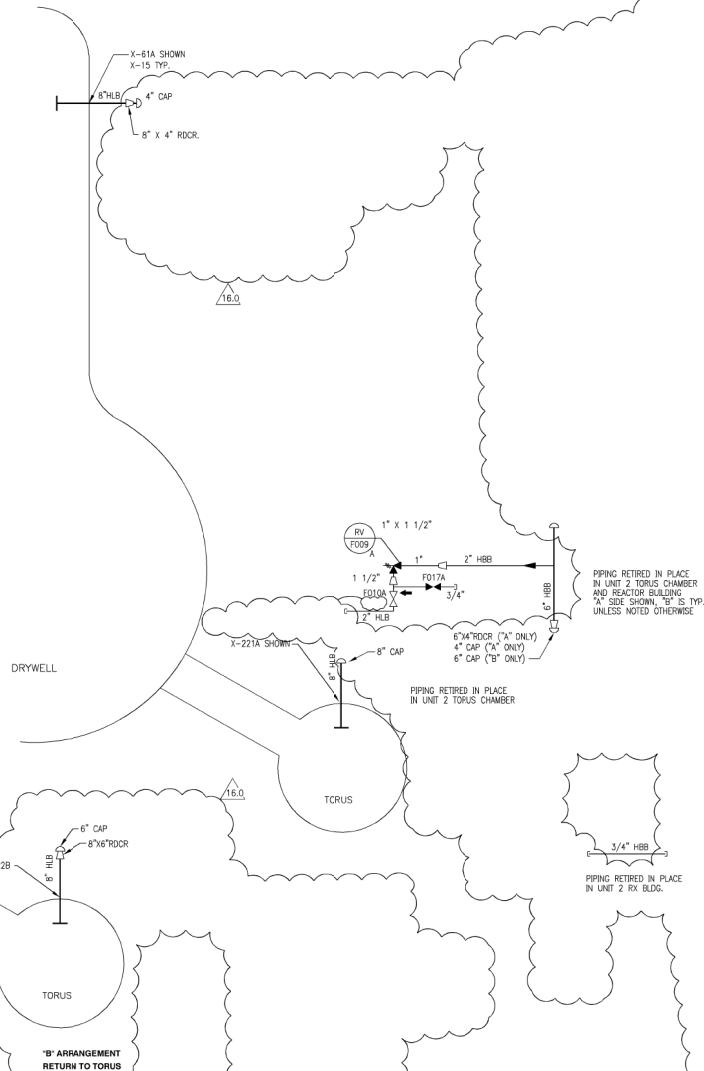
EDWIN I. HATCH NUCLEAR PLANT UNIT
REACTOR ZONE VENTILATION
SYSTEM P&ID.

ISSN	DESIGNED	LOCATION	DRAWING NUMBER	YEAR
GSN	VCM	10-502	H-26067	27
DATE	SOLE			
03/13/73	None			

89092-11

NOTES

1. POST LOCA HYDROGEN RECOMBINER SYSTEM (2149) HAS BEEN REMOVED FROM SERVICE. THIS DRAWING IS MAINTAINED TO REFLECT "RETIRED IN PLACE" PIPING AND EQUIPMENT AND TO SHOW SPARED CONTAINMENT PENETRAIONS 2T23-X15, X61A, X221A, AND 221B.
2. WITH THE EXCEPTION OF PIPING CONNECTED TO CONTAINMENT, RETIRED IN PLACE PIPING IS NO LONGER CLASS 2.



SYSTEM DELETED

MPL NO. 2T49-1010 LVN-F018 (ACAD2K) H26068

**SOUTHERN
COMPANY**

"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

EDWIN I. HATCH NUCLEAR PLANT Unit No. 2
POST LOCA HYDROGEN RECOMBINER

SYSTEM 5 & 1.0
(SYSTEM DELETED)

Version: 16.0 Date: 4-12-08

REVISED PER
ABN-H00413, VER. 1.0
ABN 2050492801M033, VER. 2.0
ABN 2050492801M203, VER. 2.0

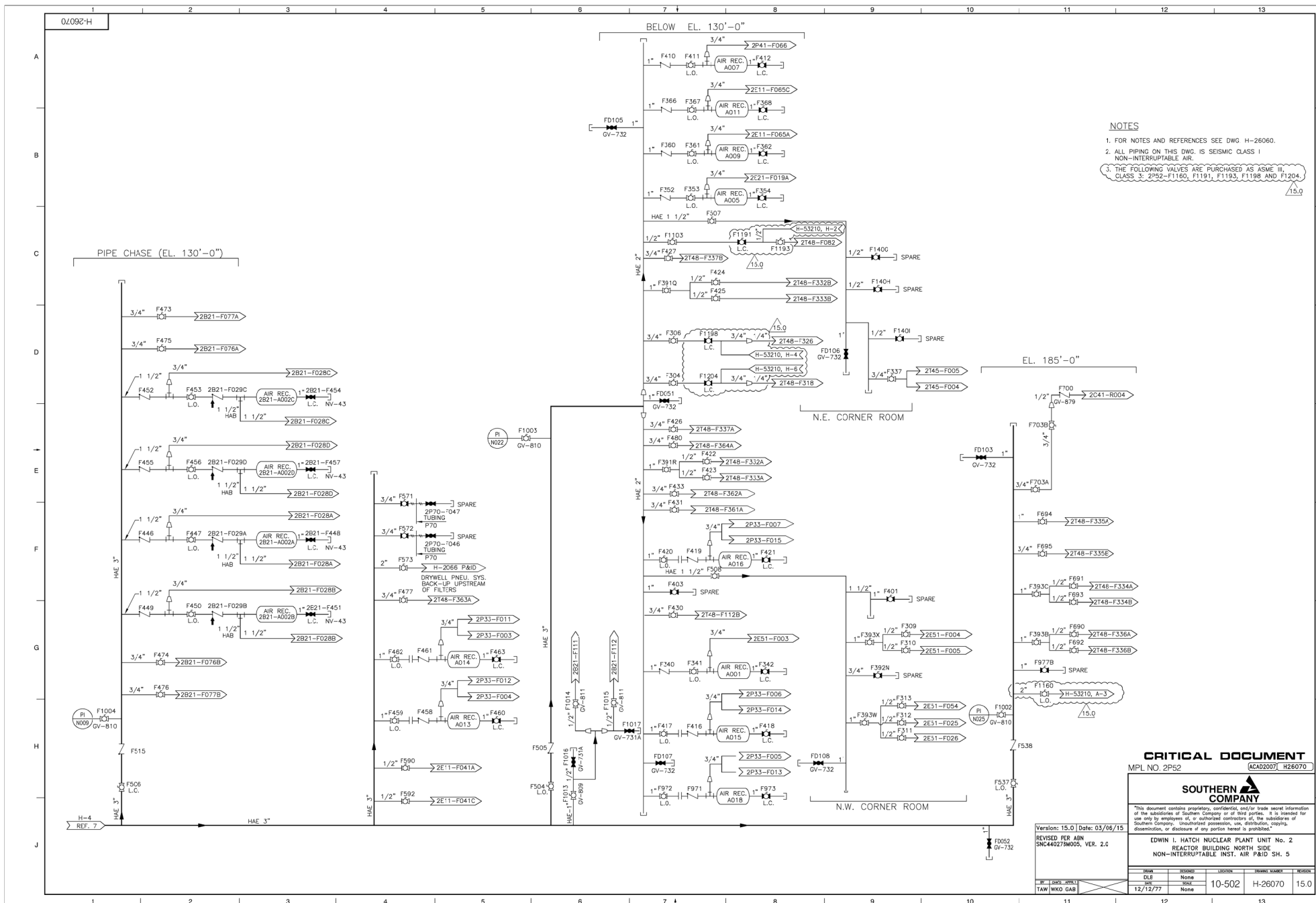
BY	DATE	APP'D	FOR
Vap	JAR	JNR	FOR
			REVIEW
			SIGNATURES

REVISION	DATE	DESCRIPTION	BY	DATE
1	3-18-76	None	None	None

10-502

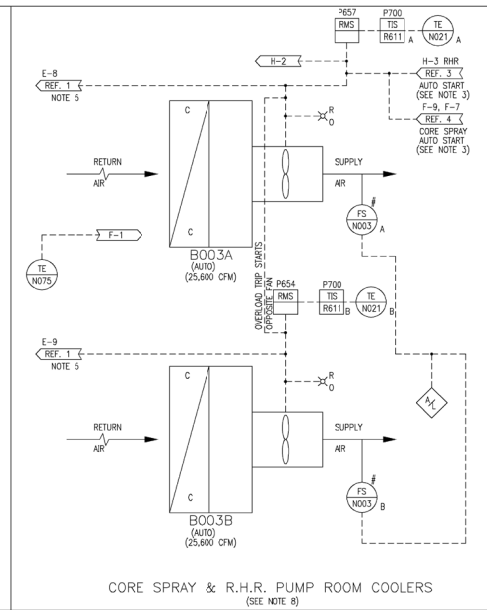
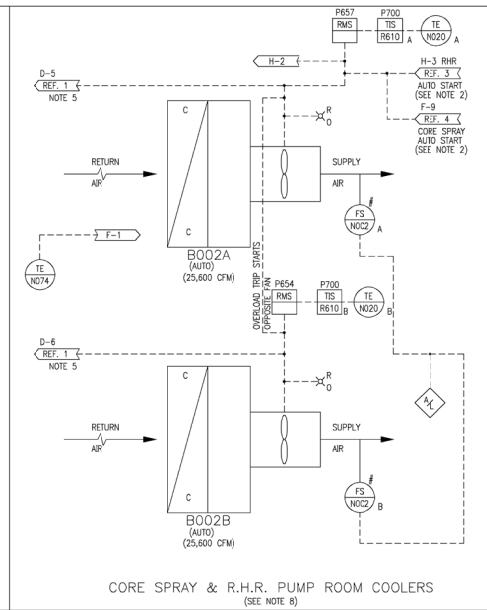
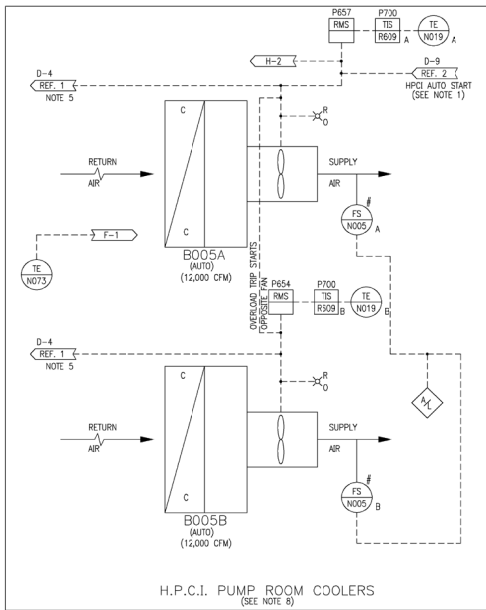
H-26068

16.0



- NOTES**
1. FOR NOTES AND REFERENCES SEE DWG. H-26060.
 2. ALL PIPING ON THIS DWG. IS SEISMIC CLASS I NON-INTERRUPTIBLE AIR.
 3. THE FOLLOWING VALVES ARE PURCHASED AS ASME III, CLASS 3: F252-F1150, F1191, F1193, F1198 AND F1204.

L2092-H

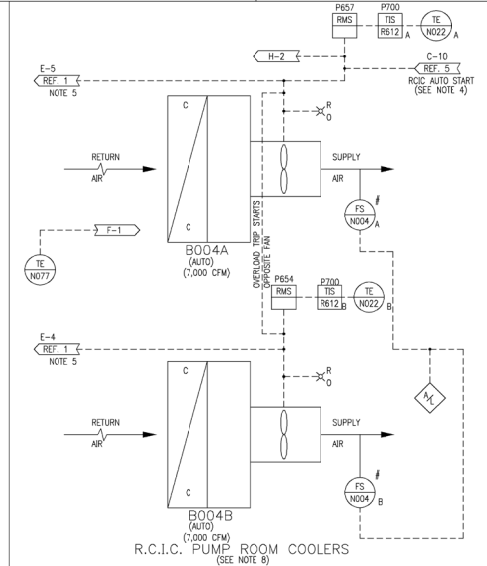
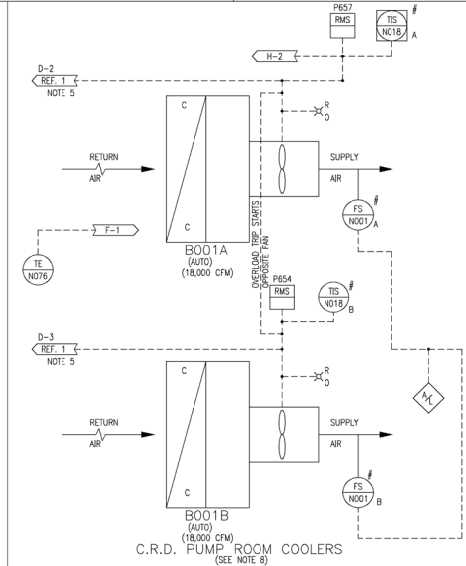
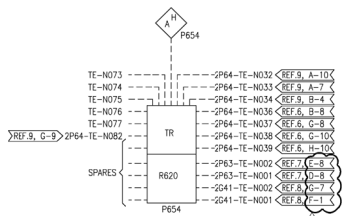


NOTES

1. AUTOMATIC START SIGNAL FROM VALVE CONTACT 2E41-F001.
2. AUTOMATIC START SIGNAL FROM PUMPS STARTER CIRCUIT 2E11-C002A, D AND OR 2E21-C001B.
3. AUTOMATIC START SIGNAL FROM PUMPS STARTER CIRCUIT 2E11-C002A, C AND OR 2E21-C001A.
4. AUTOMATIC START SIGNAL FROM VALVE CONTACT 2E51-F045.
5. DE-ENERGIZE SOLENOID VALVE ON RESPECTIVE FAN OPERATION TO OPEN AIR OPERATED VALVE.
6. ALL EQUIPMENT AND INSTRUMENT NOS. ON THIS DWG. ARE PRECEDED BY 2T41.
7. # INDICATES INSTRUMENT SUPPLIED BY HVAC CONTRACTOR.
8. ALL DRAINS FROM COOLING UNIT DRIP PANS TO BE ROUTED TO NEAREST FLOOR DRAIN.
9. ALL FLOW SWITCH AND TEST PORT ISOLATION VALVES ARE 1/4" KUPNO MODEL 4J GATE VALVES.

REFERENCES

REFERENCES	MPL. NO.	SS. NO.
1. REACTOR BLDG PLANT SERVICE WTR. SYS. F&ID	2P41-1010	H-26050
2. HPCI SYS P&ID	2E41-1010	H-26020
3. RHR SYS P&ID	2E11-1010	H-26014
4. CORE SPRAY SYS P&ID	2E21-1010	H-26018
5. RCIC SYS P&ID	2E51-1010	H-26024
6. PRIMARY CONTAINMENT CHILLED WTR. SYS. P&ID & P.F.D. SHT. 1	2P64-1010	H-26080
7. T.B. CHILLED WATER SYS P&ID	2P63-1010	H-26088
8. FUEL POOL COOLING SYS P&ID	2G41-1010	H-26039
9. PRIMARY CONTAINMENT CHILLED WTR. SYS. P&ID & P.F.D. SHT. 2	2P64-1010	H-26081



CRITICAL DOCUMENT

MPL NO. 2T41-1010 ACAD2K H26071



"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion thereof is prohibited."

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
SAFEGUARD EQUIP. EMERGENCY
COOLING SYSTEM F&ID

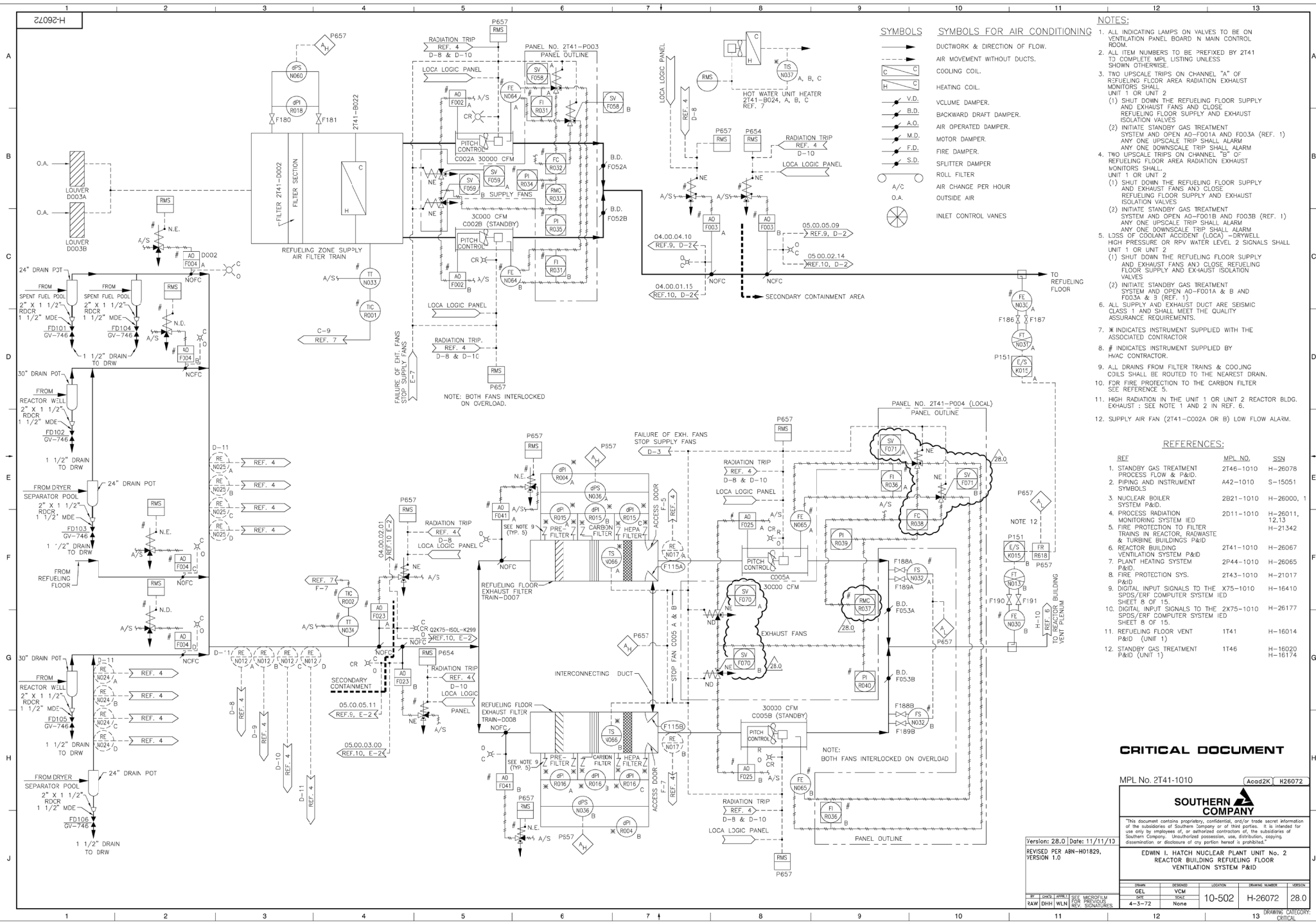
Version: 10.0 Date: 11-14-05
REVISED PER ABN
05-468, VER. 1.0

REV	DATE	BY	CHKD	APPD	REASON
1	11-14-05	W3J	ASK		4-8-71

NO.	DATE	BY	CHKD	APPD	REASON
1	11-14-05	W3J	ASK		4-8-71

10.0

CRITICAL



- NOTES:**
1. ALL INDICATING LAMPS ON VALVES TO BE ON VENTILATION PANEL BOARD IN MAIN CONTROL ROOM.
 2. ALL ITEM NUMBERS TO BE PREFIXED BY 2141 TO COMPLETE MPL LISTING UNLESS SHOWN OTHERWISE.
 3. TWO UPSCALE TRIPS ON CHANNEL "A" OF REFUELING FLOOR AREA RADIATION EXHAUST MONITORS SHALL:
UNIT 1 OR UNIT 2
(1) SHUT DOWN THE REFUELING FLOOR SUPPLY AND EXHAUST FANS AND CLOSE REFUELING FLOOR SUPPLY AND EXHAUST ISOLATION VALVES.
(2) INITIATE STANDBY GAS TREATMENT SYSTEM AND OPEN AD-F001A AND F003A (REF. 1) ANY ONE UPSCALE TRIP SHALL ALARM ANY ONE DOWNSCALE TRIP SHALL ALARM
 4. TWO UPSCALE TRIPS ON CHANNEL "B" OF REFUELING FLOOR AREA RADIATION EXHAUST MONITORS SHALL:
UNIT 1 OR UNIT 2
(1) SHUT DOWN THE REFUELING FLOOR SUPPLY AND EXHAUST FANS AND CLOSE REFUELING FLOOR SUPPLY AND EXHAUST ISOLATION VALVES.
(2) INITIATE STANDBY GAS TREATMENT SYSTEM AND OPEN AD-F001B AND F003B (REF. 1) ANY ONE UPSCALE TRIP SHALL ALARM ANY ONE DOWNSCALE TRIP SHALL ALARM
 5. LOSS OF COOLANT ACCIDENT (LOCA) - DRYWELL HIGH PRESSURE OR RPV WATER LEVEL 2 SIGNALS SHALL:
UNIT 1 OR UNIT 2
(1) SHUT DOWN THE REFUELING FLOOR SUPPLY AND EXHAUST FANS AND CLOSE REFUELING FLOOR SUPPLY AND EXHAUST ISOLATION VALVES.
(2) INITIATE STANDBY GAS TREATMENT SYSTEM AND OPEN AD-F001A & B AND F003A & B (REF. 1)
 6. ALL SUPPLY AND EXHAUST DUCT ARE SEISMIC CLASS 1 AND SHALL MEET THE QUALITY ASSURANCE REQUIREMENTS.
 7. * INDICATES INSTRUMENT SUPPLIED WITH THE ASSOCIATED CONTRACTOR
 8. # INDICATES INSTRUMENT SUPPLIED BY HVAC CONTRACTOR.
 9. ALL DRAINS FROM FILTER TRAINS & COOLING COILS SHALL BE ROUTED TO THE NEAREST DRAIN.
 10. FOR FIRE PROTECTION TO THE CARBON FILTER SEE REFERENCE 5.
 11. HIGH RADIATION IN THE UNIT 1 OR UNIT 2 REACTOR BLDG. EXHAUST : SEE NOTE 1 AND 2 IN REF. 6.
 12. SUPPLY AIR FAN (2141-C002A OR B) LOW FLOW ALARM.

REFERENCES:

REF	MPL NO.	SSN
1. STANDBY GAS TREATMENT PROCESS FLOW & P&ID.	2146-1010	H-26078
2. PIPING AND INSTRUMENT SYMBOLS	A42-1010	S-15051
3. NUCLEAR BOILER	2B21-1010	H-26000, 1
4. PROCESS RADIATION MONITORING SYSTEM IED	2D11-1010	H-26011, 12,13
5. FIRE PROTECTION TO FILTER TRAINS IN REACTOR BLDG. WASTE & TURBINE BUILDINGS P&ID	2141-1010	H-26067
6. REACTOR BUILDING VENTILATION SYSTEM P&ID	2P44-1010	H-26065
7. PLANT HEATING SYSTEM P&ID.	2143-1010	H-21017
8. FIRE PROTECTION SYS.	2143-1010	H-16410
9. DIGITAL INPUT SIGNALS TO THE X75-1010 SPOS/ERP COMPUTER SYSTEM IED SHEET 8 OF 15.	H-26177	
10. DIGITAL INPUT SIGNALS TO THE 2X75-1010 SPOS/ERP COMPUTER SYSTEM IED SHEET 8 OF 15.	H-26177	
11. REFUELING FLOOR VENT P&ID (UNIT 1)	1T41	H-16014
12. STANDBY GAS TREATMENT P&ID (UNIT 1)	1T46	H-16020 H-16174

CRITICAL DOCUMENT

MPL NO. 2141-1010

Acad2K H26072



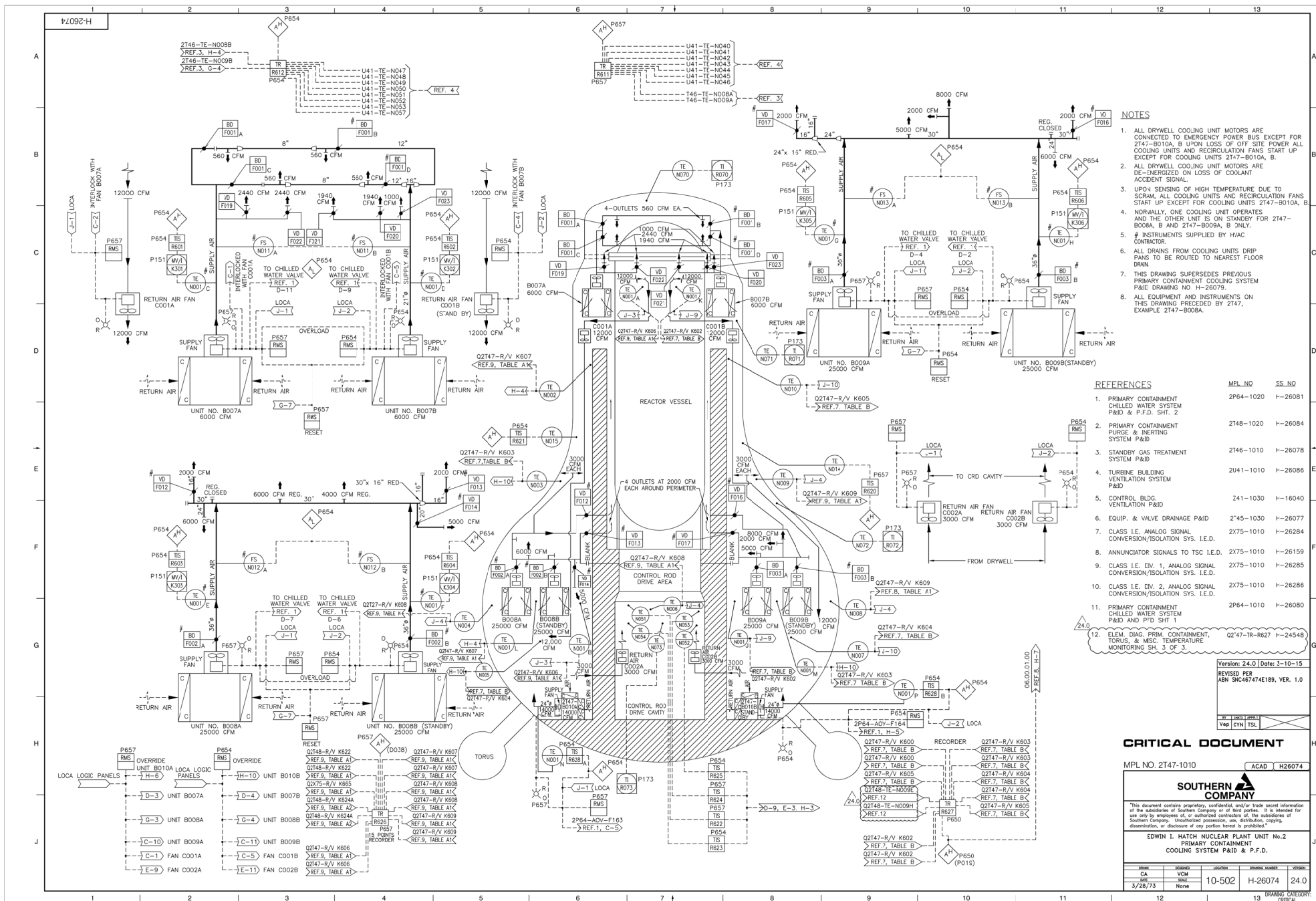
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

EDWIN I. HATCH NUCLEAR PLANT UNIT NO. 2
REACTOR BUILDING REFUELING FLOOR
VENTILATION SYSTEM P&ID

Version: 28.0 [Date: 11/11/17]
REVISED PER ABN-H01829,
VERSION 1.0

DATE	REVISION	LOCATION	ISSUED NUMBER	REVISION
10-502	4-3-72	None	H-26072	28.0

DRAWING CATEGORY: CRITICAL



- ### NOTES
1. ALL DRYWELL COOLING UNIT MOTORS ARE CONNECTED TO EMERGENCY POWER BUS EXCEPT FOR 2147-B010A, B. UPON LOSS OF OFF SITE POWER ALL COOLING UNITS AND RECIRCULATION FANS START UP EXCEPT FOR COOLING UNITS 2147-B010A, B.
 2. ALL DRYWELL COOLING UNIT MOTORS ARE DE-ENERGIZED ON LOSS OF COOLANT ACCIDENT SIGNAL.
 3. UPON SENSING OF HIGH TEMPERATURE DUE TO SCRAM, ALL COOLING UNITS AND RECIRCULATION FANS START UP EXCEPT FOR COOLING UNITS 2147-B010A, B.
 4. NORMALLY, ONE COOLING UNIT OPERATES AND THE OTHER UNIT IS ON STANDBY FOR 2147-B008A, B AND 2147-B009A, B ONLY.
 5. # INSTRUMENTS SUPPLIED BY HVAC.
 6. ALL DRAWS FROM COOLING UNITS DRIP PANS TO BE ROUTED TO NEAREST FLOOR DRAIN.
 7. THIS DRAWING SUPERSEDES PREVIOUS PRIMARY CONTAINMENT COOLING SYSTEM P&ID DRAWING NO H-26079.
 8. ALL EQUIPMENT AND INSTRUMENTS ON THIS DRAWING PRECEDED BY 2147, EXAMPLE 2147-B008A.

REFERENCES

	MPL NO	SS NO
1. PRIMARY CONTAINMENT CHILLED WATER SYSTEM P&ID & P.F.D. SHT. 2	2P64-1020	I-26081
2. PRIMARY CONTAINMENT PURGE & INERTING SYSTEM P&ID	2148-1020	I-26084
3. STANDBY GAS TREATMENT SYSTEM P&ID	2146-1010	I-26078
4. TURBINE BUILDING VENTILATION SYSTEM P&ID	2U41-1010	I-26086
5. CONTROL BLDG. VENTILATION P&ID	241-1030	I-16040
6. EQUIP. & VALVE DRAINAGE P&ID	2145-1030	I-26077
7. CLASS I.E. ANALOG SIGNAL CONVERSION/ISOLATION SYS. I.E.D.	2X75-1010	I-26284
8. ANNUNCIATOR SIGNALS TO TSC I.E.D.	2X75-1010	I-26159
9. CLASS I.E. DIV. 1, ANALOG SIGNAL CONVERSION/ISOLATION SYS. I.E.D.	2X75-1010	I-26285
10. CLASS I.E. DIV. 2, ANALOG SIGNAL CONVERSION/ISOLATION SYS. I.E.D.	2X75-1010	I-26286
11. PRIMARY CONTAINMENT CHILLED WATER SYSTEM P&ID AND P.F.D. SHT. 1	2P64-1010	I-26080
12. ELEM. DIAG. PRIM. CONTAINMENT, TORUS, & MISC. TEMPERATURE MONITORING SH. 3 OF 3	Q247-TR-827	I-24548

CRITICAL DOCUMENT

MPL NO. 2147-1010 ACAD H26074

SOUTHERN NUCLEAR COMPANY

"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

EDWIN I. HATCH NUCLEAR PLANT Unit No.2
PRIMARY CONTAINMENT COOLING SYSTEM P&ID & P.F.D.

DATE	REVISION	BY	CHKD	APPROVED
3/28/73	1	None	None	None

DRAWING CATEGORY: CRITICAL

SL2092-H

MR./HR. RADIATION ZONE			
ZONE	DOSE RATE #	GENERAL LOCATION	OCCUPANCY
I	1.0-5.0	OFFICE LABS, MAIN SHOP	UNLIMITED
II	5.0-10.0	PRESSURE CONTROL FRAMES	1000/HR
III	10.0-15.0	UNIT ACCESS AREA	1000/HR
IV	15.0-20.0	RESTRICTED ACCESS AREA	1000/HR
V	20.0-25.0	RESTRICTED ACCESS AREA	1000/HR

DESIGN DOSE RATE IN MR./HR.

LEGEND	
DED-DRY EQUIPMENT DRAIN	
DED-CLEAN EQUIPMENT DRAIN	
DED-CHEMICAL EQUIPMENT DRAIN	
FD-FLOOR DRAIN	

NOTES:

1. LINE OIL DRAINAGE TO BE MANUALLY COLLECTED AND DEPOSITED IN DRAIN LOCATED OUTSIDE THE ASD AREA.
2. ALL VALVES AND EQUIPMENT DESIGNATIONS ARE PRECEDED BY MR./HR. UNLESS OTHERWISE NOTED.
3. THESE VALVES ARE UNIT #1 REPLACEMENTS.
4. 5000 GPM DRAINAGE IS 15 MFL 2755. ALL OTHER DRAINAGE SIZES ARE 15 MFL 2745.

REFERENCES:

REFERENCE	MR. ITEM NO.	QWS NO.
1. RADWASTE SYS. PETI SH.1	2041-100	H-26028
2. RADWASTE SYS. PETI SH.2		H-26029
3. RADWASTE SYS. PETI SH.3		H-26028
4. RADWASTE SYS. PETI SH.4		H-26029
5. RADWASTE SYS. PETI SH.5		H-26030
6. RADWASTE SYS. PETI SH.6		H-26031
7. RADWASTE SYS. PETI SH.7		H-26032
8. LEAK DETECTION SYS. PETI SH.8	2745-100	H-26076
9. STORM DRAINAGE (WAD)		H-10042
10. PLANT HEATING SYS. PETI SH.9	2746-100	H-26065
11. SCHEMATIC DIAGRAM ZP33-1010 FOR POST-ACCIDENT REACTOR COOLANT #1 CONTAMINANT ATMOSPHERE SAMPLING		H-26384
12. SPS HAD 1.2		H-26010
13. RCLC SYSTEM P410 SHEET 1		H-26023

CRITICAL DOCUMENT

MPL NO. 2745-1010 / 2755

REVISED PER ABR 20404851010, VER. 1.0

Version: 15.0 | Date: 3-20-09

EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
REACTOR BLDG. FLOOR EQUIPMENT & ROOF
DRAINAGE SYSTEM
DIAGRAM

10-502 H-26075 15.0

10-502 H-26075 15.0

10-502 H-26075 15.0

10-502 H-26075 15.0

10-502 H-26075 15.0

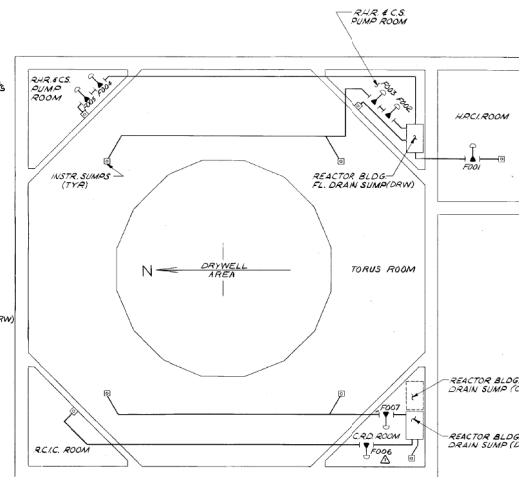
10-502 H-26075 15.0

10-502 H-26075 15.0

10-502 H-26075 15.0

10-502 H-26075 15.0

10-502 H-26075 15.0



2.FOR GENERAL INFORMATION SEE GE SYSTEM
DESIGN SPEC NUCLEAR BOILER LEAK
DETECTION 26G1-4040.
3.FOR DETAILED INFORMATION CONCERNING
SUMPS AND SUMP PUMPS, SEE REFERENCE
4.FOR DETAILED INFORMATION CONCERNING THE
INSTRUMENT SUMPS, SEE REFERENCE 4
5.AOV'S ARE "MARK B.M.-26184-30"

TITLE	MDL ITEM NR	SS/DWG N
1. RADIO W/AVEST SYSTEM UNIT	2611-1010	H-2602
2. PIPING INSTR. SYMBOLS	A42-1010	S15051
3. INSTRUMENT SUMPS LAGE DIAGRAM	L44	L44
4. INSTRUMENT SUMP DETAILS LAYOUT	—	H-26199
5. REACTOR BLDG. FLOOR/EQUIPMENT DETAILS DIAGRAM	2T45-1010	H-26075
6. ANNUNCIATOR SIGNALS TO TSC, I, R	2K75-1010	H-26159



ACADOVY H27076

*This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of

JLD	TSL	DEW	FOR PREVIOUS REV. SIGNATURE
-----	-----	-----	--------------------------------

1-16-71	None		
---------	------	--	--

DRAWING: 1

DRAWING CATEG
CRITICAL

8.0992-H

A

B

C

D

E

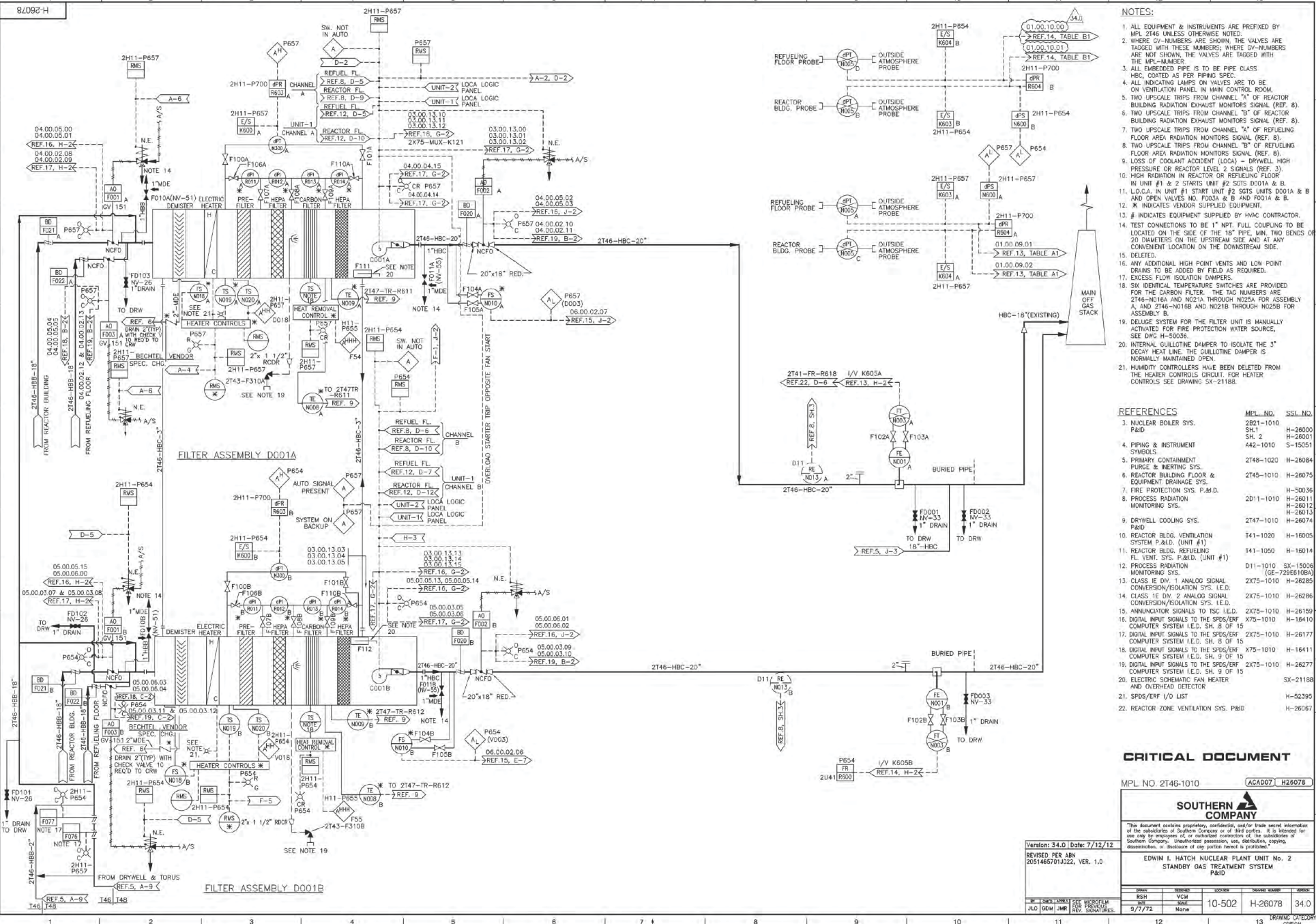
F

G

H

I

J



REFERENCES

	MPL. NO.	SSL NO.
3. NUCLEAR BOILER SYS.	2821-1010	
P&ID	SH-1	H-26000
4. PIPING & INSTRUMENT SYMBOLS	SH-2	H-26001
5. PRIMARY CONTAINMENT PURGE & INERTING SYS.	442-1010	S-15051
6. REACTOR BUILDING FLOOR & EQUIPMENT DRAINAGE SYS.	2748-1020	H-26084
7. FIRE PROTECTION SYS. P&ID.	2745-1010	H-26075
8. PROCESS RADIATION MONITORING SYS.	2011-1010	H-26011
		H-26012
		H-26013
9. DRYWELL COOLING SYS.	2747-1010	H-26074
P&ID	141-1020	H-16005
10. REACTOR BLDG. VENTILATION SYSTEM P&ID. (UNIT #1)	141-1050	H-16014
11. REACTOR BLDG. REFUELING FL VENT. SYS. P&ID. (UNIT #1)	D11-1010	SX-15006
12. PROCESS RADIATION MONITORING SYS.	2875-1010	H-26285
13. CLASS IE DIV. 1 ANALOG SIGNAL CONVERSION/ISOLATION SYS. I.E.D.	2875-1010	H-26286
14. CLASS IE DIV. 2 ANALOG SIGNAL CONVERSION/ISOLATION SYS. I.E.D.	2875-1010	H-26159
15. ANNUNCIATOR SIGNALS TO TSC I.E.D.	2875-1010	H-16410
16. DIGITAL INPUT SIGNALS TO THE SPS/ERF COMPUTER SYSTEM I.E.D. SH. 8 OF 15	2875-1010	H-26177
17. DIGITAL INPUT SIGNALS TO THE SPS/ERF COMPUTER SYSTEM I.E.D. SH. 9 OF 15	2875-1010	H-26277
18. DIGITAL INPUT SIGNALS TO THE SPS/ERF COMPUTER SYSTEM I.E.D. SH. 9 OF 15	SX-21168	
19. ELECTRIC SCHEMATIC FAN HEATER AND OVERHEAT DETECTOR	H-52395	
20. SPS/ERF I/O LIST	H-26057	
21. REACTOR ZONE VENTILATION SYS. P&ID		

CRITICAL DOCUMENT

MPL. NO. 2146-1010

ACAD07 H26078

SOUTHERN
COMPANY

"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of or authorized contractors of the subsidiaries of Southern Company. Unauthorized reproduction, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

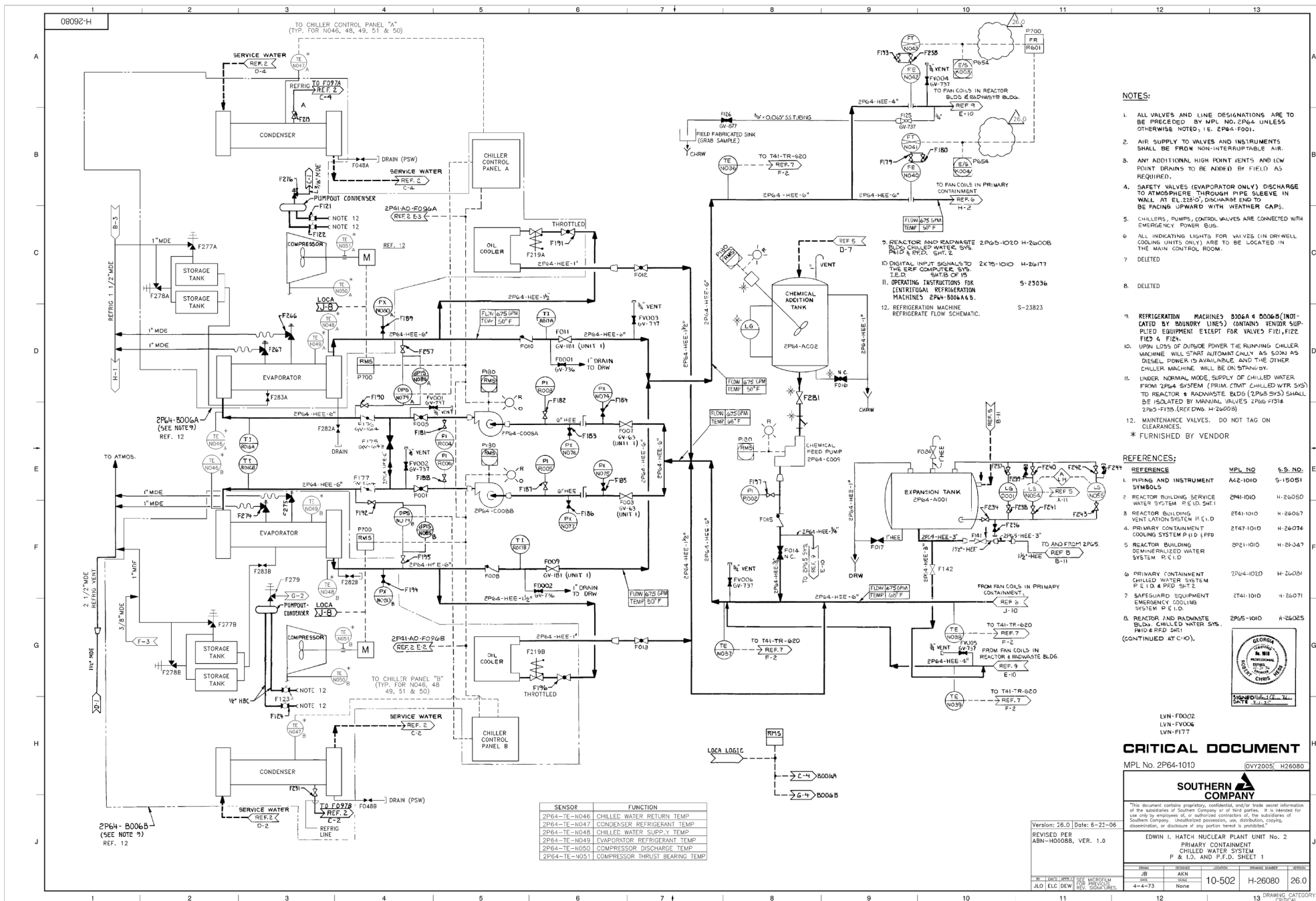
EDWIN I. HATCH NUCLEAR PLANT UNIT NO. 2
STANDBY GAS TREATMENT SYSTEM
P&ID

REV.	DESCRIPTION	DATE	BY	CHKD.	APPD.
1	ISSUED FOR CONSTRUCTION	5/7/72	None		

Version: 34.0 Date: 7/12/12
REVISED FROM AHN 0051460701/022, VER. 1.0

10-502 H-26078 34.0
JLD GDM JWP REV. SIGNATURES

DRAWING CATEGORY: CRITICAL



- NOTES:**
- ALL VALVES AND LINE DESIGNATIONS ARE TO BE PRECEDED BY MPL NO. 2P64 UNLESS OTHERWISE NOTED, I.E. 2P64-F001.
 - AIR SUPPLY TO VALVES AND INSTRUMENTS SHALL BE FROM NON-INTERRUPTIBLE AIR.
 - ANY ADDITIONAL HIGH POINT VENTS AND LOW POINT DRAINS TO BE ADDED BY FIELD AS REQUIRED.
 - SAFETY VALVES (EVAPORATOR ONLY) DISCHARGE TO ATMOSPHERE THROUGH PIPE SLEEVE IN WALL AT EL. 113'-5", DISCHARGE END TO BE FACING UPWARD WITH VENTHUR CAPS.
 - CHILLERS, PUMPS, CONTROL VALVES ARE CONNECTED WITH EMERGENCY POWER BUS.
 - ALL INDICATING LIGHTS FOR VALVES IN DRYWELL COOLING UNITS ONLY ARE TO BE LOCATED IN THE MAIN CONTROL ROOM.
 - DELETED
 - DELETED
 - REFRIGERATION MACHINES 3006A 4 3006B (NOTICED BY BOUNDARY LINES) (CONTAINS VENDOR SUPPLIED EQUIPMENT EXCEPT FOR VALVES F122, F123 & F124).
 - UPON LOSS OF OUTSIDE POWER THE RUNNING CHILLER MACHINE WILL START AUTOMATICALLY AS SOON AS DIESEL POWER IS AVAILABLE, AND THE OTHER CHILLER MACHINE WILL BE ON STANDBY.
 - UNDER NORMAL MODE, SUPPLY OF CHILLED WATER FROM 2P64 SYSTEM (PRIM. CONT. CHILLED WTR SYS) TO REACTOR & RADWASTE BLDG (2P65 SYS) SHALL BE ISOLATED BY MANUAL VALVES 2P65-F134 2P65-F135 (REF. DWS H-26008).
 - MAINTENANCE VALVES. DO NOT TAG ON CLEARANCES.
- * FURNISHED BY VENDOR

- REFERENCES:**
- | REFERENCE | MPL NO. | S.S. NO. |
|--|-----------|----------|
| 1. PIPING AND INSTRUMENT SYMBOLS | A42-1010 | 9-15051 |
| 2. REACTOR BUILDING SERVICE WATER SYSTEM P & ID SHEET | 2P64-1010 | H-26050 |
| 3. REACTOR BUILDING VENTILATION SYSTEM P & ID SHEET | 2P64-1010 | H-26057 |
| 4. PRIMARY CONTAINMENT COOLING SYSTEM P & ID SHEET | 2P64-1010 | H-26074 |
| 5. REACTOR BUILDING DEWATERIALIZED WATER SYSTEM P & ID SHEET | 2P64-1010 | H-26047 |
| 6. PRIMARY CONTAINMENT CHILLED WATER SYSTEM P & ID & P&ID SHEET | 2P64-1010 | H-26081 |
| 7. SAFEGUARD EQUIPMENT EMERGENCY COOLING SYSTEM P & ID SHEET | 2P64-1010 | H-26071 |
| 8. REACTOR AND RADWASTE BLDG. CHILLED WATER SYS. P&ID & P&ID SHEET | 2P65-1010 | H-26025 |
- (CONTINUED AT C-10)

CRITICAL DOCUMENT

MPL No. 2P64-1010 GVT2005 H26080

SOUTHERN COMPANY

This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

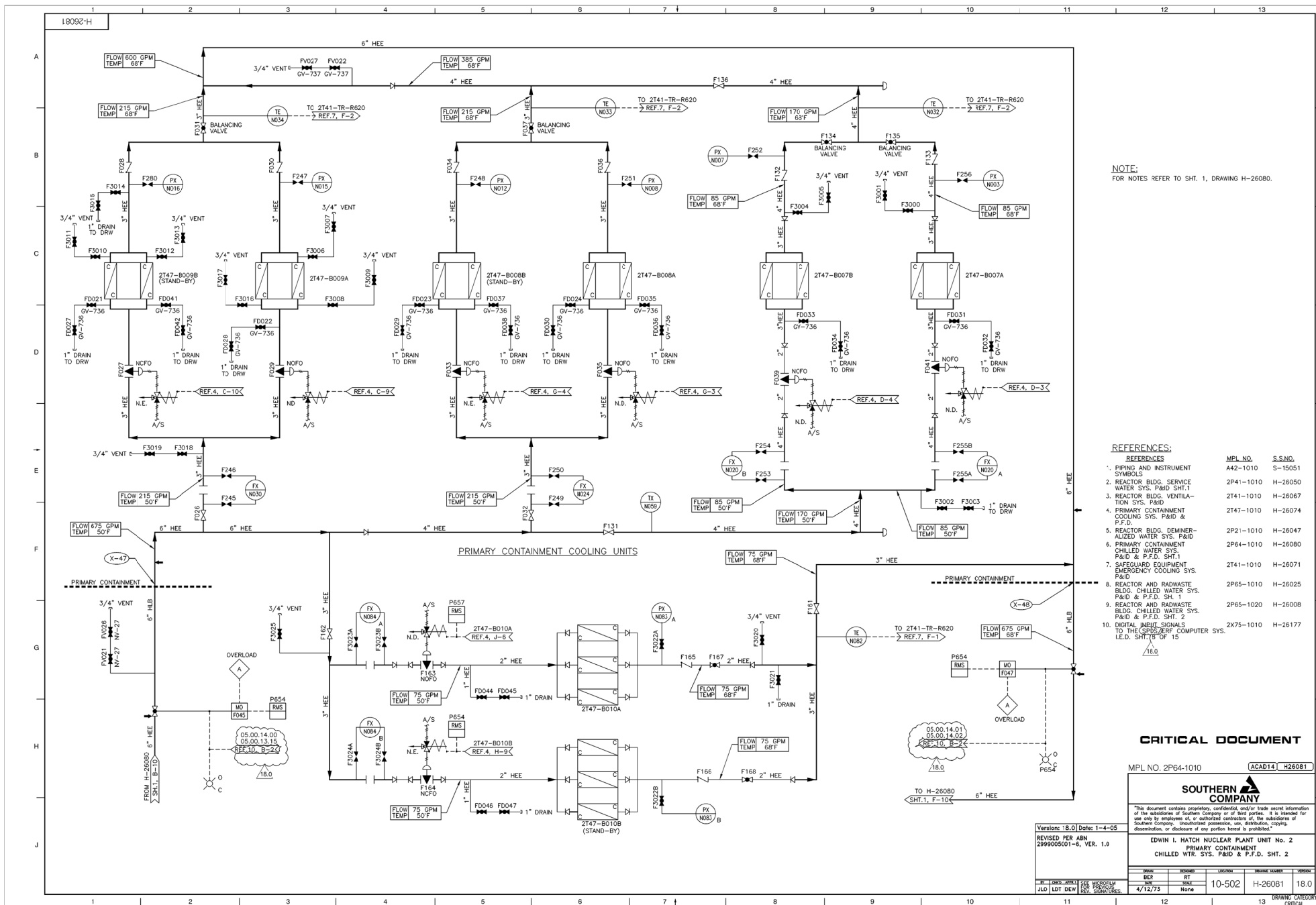
EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
PRIMARY CONTAINMENT
CHILLED WATER SYSTEM
P & I.D. AND P.F.D. SHEET 1

REVISIONS

NO.	DATE	BY	REASON
1	4-4-73	AKN	None

10-502 H-26080 26.0

DRAWING CATEGORY: CRITICAL



NOTE:
FOR NOTES REFER TO SHT. 1, DRAWING H-26080.

REFERENCES:

REFERENCES	MPL NO.	S.S.NO.
1. PIPING AND INSTRUMENT SYMBOLS	A42-1010	S-15051
2. REACTOR BLDG. SERVICE WATER SYS. P&ID SHT.1	2P41-1010	H-26050
3. REACTOR BLDG. VENTILATION SYS. P&ID	2T41-1010	H-26067
4. PRIMARY CONTAINMENT COOLING SYS. P&ID & P.F.D. SHT.1	2T47-1010	H-26074
5. REACTOR BLDG. DEMINERIALIZED WATER SYS. P&ID	2P21-1010	H-26047
6. PRIMARY CONTAINMENT CHILLED WATER SYS. P&ID & P.F.D. SHT.1	2P64-1010	H-26080
7. SAFEGUARD EQUIPMENT EMERGENCY COOLING SYS. P&ID	2T41-1010	H-26071
8. REACTOR AND RADIOACTIVE BLDG. CHILLED WATER SYS. P&ID & P.F.D. SHT. 1	2P65-1010	H-26025
9. REACTOR AND RADIOACTIVE BLDG. CHILLED WATER SYS. P&ID & P.F.D. SHT. 2	2P65-1020	H-26008
10. DIGITAL INPUT SIGNALS TO THE CRPS/REF COMPUTER SYS. I.E.D. SHT.15 OF 15	2X75-1010	H-26177

CRITICAL DOCUMENT

MPL NO. 2P64-1010 (ACAB14, H26081)

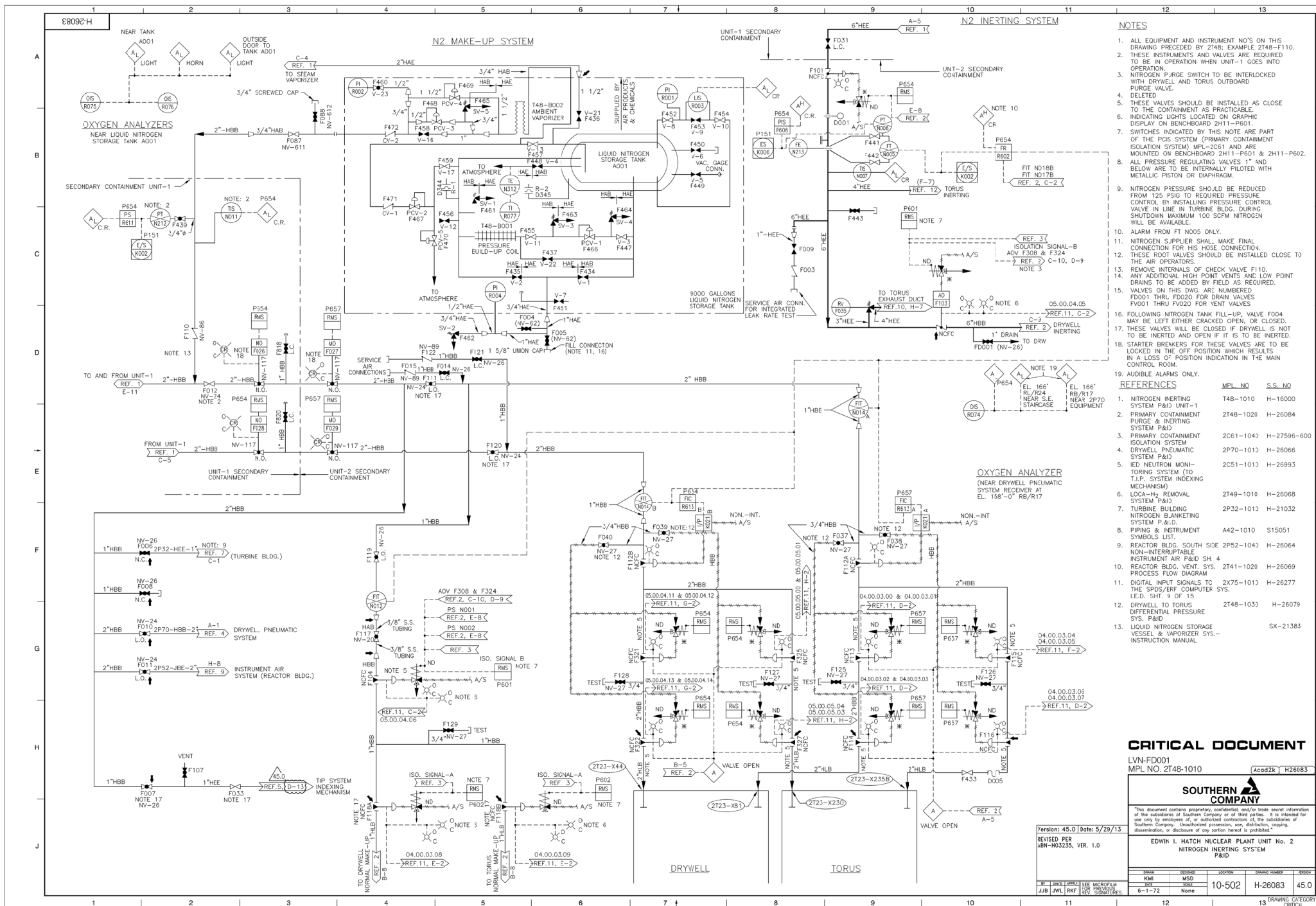
SOUTHERN COMPANY

EDWIN I. HATCH NUCLEAR PLANT Unit No. 2
PRIMARY CONTAINMENT
CHILLED WTR. SYS. P&ID & P.F.D. SHT. 2

Version: 18.0 Date: 1-4-05
REVISED PER ABN 299900501-5, VER. 1.0

W	DATE	BY	CHKD	APP'D	DATE	BY	CHKD	APP'D
JLO	4/12/73	DEW	None					

DRAWING CHECKED: CRITICAL



NOTES

- ALL EQUIPMENT AND INSTRUMENT NO'S ON THIS DRAWING PRECEDED BY 2148, EXAMPLE 2148-F110.
- THESE INSTRUMENTS AND VALVES ARE REQUIRED TO BE IN OPERATION WHEN UNIT-1 GOES INTO OPERATION.
- NITROGEN PURGE SWITCH TO BE INTERLOCKED WITH DRYWELL AND TORUS OUTBOARD PURGE VALVE.
- DELETED
- THESE VALVES SHOULD BE INSTALLED AS CLOSE TO THE CONTAINMENT AS PRACTICABLE
- INDICATING LIGHTS LOCATED ON GRAPHIC DISPLAY ON BENCHBOARD 2H11-P601.
- SWITCHES INDICATED BY THIS NOTE ARE PART OF THE PCS SYSTEM (PRIMARY CONTAINMENT ISOLATION SYSTEM) MPL-2C61 AND ARE MOUNTED ON BENCHBOARD 2H11-P601 & 2H11-P602.
- ALL PRESSURE REGULATING VALVES 1" AND BELOW ARE TO BE INTERNALLY PILOTTED WITH METALLIC PISTON OR DIAPHRAGM.
- NITROGEN PRESSURE SHOULD BE REDUCED FROM 125 PSIG TO REQUIRED PRESSURE CONTROL BY INSTALLING PRESSURE CONTROL VALVE IN LINE IN TURBINE BLDG. DURING SHUTDOWN MAXIMUM 10 SCFM NITROGEN WILL BE AVAILABLE.
- ALARM FROM FT N005 ONLY.
- NITROGEN SUPPLIER SHALL MAKE FINAL CONNECTION FOR HIS HOSE CONNECTION.
- THESE ROOT VALVES SHOULD BE INSTALLED CLOSE TO THE AIR OPERATORS.
- REMOVE INTERNALS OF CHECK VALVE F110.
- ANY ADDITIONAL HIGH POINT VENTS AND LOW POINT DRAINS TO BE ADDED BY FIELD AS REQUIRED.
- VALVES ON THIS DWG. ARE NUMBERED: F001 THRU F020 FOR DRAIN VALVES; F001 THRU F020 FOR VENT VALVES.
- FOLLOWING NITROGEN TANK FILL-UP, VALVE F004 MAY BE LEFT EITHER CRACKED OPEN, OR CLOSED.
- THESE VALVES WILL BE CLOSED IF DRYWELL IS NOT TO BE INERTED AND OPEN IF IT IS TO BE INERTED.
- STARTER BREAKERS FOR THESE VALVES ARE TO BE LOCKED IN THE OFF POSITION WHICH RESULTS IN A LOSS OF POSITION INDICATION IN THE MAIN CONTROL ROOM.
- AUDIBLE ALARMS ONLY.

REFERENCES

	MPL NO	S.S. NO
1. NITROGEN INERTING SYSTEM P&ID UNIT-1	T48-1010	H-16000
2. PRIMARY CONTAINMENT PURGE & INERTING SYSTEM P&ID	2148-1028	H-26084
3. PRIMARY CONTAINMENT ISOLATION SYSTEM P&ID	2C61-1043	H-27596-600
4. DRYWELL PNEUMATIC SYSTEM P&ID	2P70-1013	H-26066
5. IED NEUTRON MONITORING SYSTEM (TO T.I.P. SYSTEM INDEXING MECHANISM)	2C51-1013	H-26993
6. LOCA-H ₂ REMOVAL SYSTEM P&ID	2149-1010	H-26068
7. TURBINE BUILDING NITROGEN BLANKETING SYSTEM P&ID	2P32-1013	H-21032
8. PIPING & INSTRUMENT SYMBOLS LIST	A42-1010	S15051
9. REACTOR BLDG. SOUTH SIDE 2P52-1043	2P52-1043	H-26064
10. REACTOR BLDG. VENT. SYS. 2141-1020	2141-1020	H-26069
11. DIGITAL INPUT SIGNALS TO THE SPDS/IRF COMPUTER SYS. I.E.D. SHT. 9 OF 15	2K75-1013	H-26277
12. DRYWELL TO TORUS DIFFERENTIAL PRESSURE SYS. P&ID	2148-1033	H-26079
13. LIQUID NITROGEN STORAGE VESSEL & VAPORIZER SYS.-INSTRUCTION MANUAL	SX-21383	

CRITICAL DOCUMENT

LVN-FD001
MPL NO. 2148-1010

Acad2k H26083

SOUTHERN COMPANY

"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of their parent. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

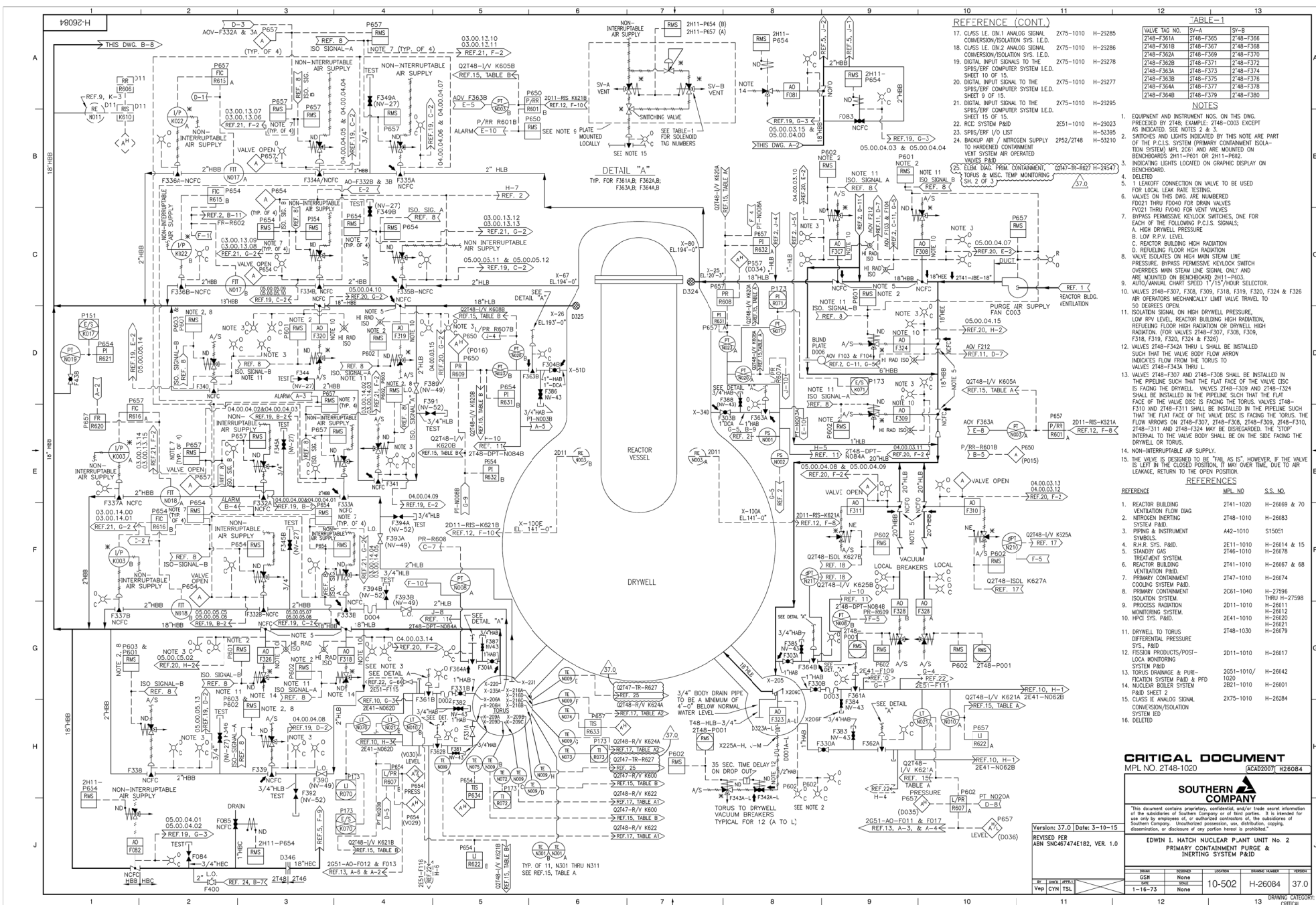
Version: 45.0 Date: 5/29/13

REVISED PER JBN-H03235, VER. 1.0

EDWIN I. HATCH NUCLEAR PLANT No. 2
NITROGEN INERTING SYSTEM
P&ID

DESIGN	DESIGNED	LOCATION	DESIGN NUMBER	APPROV
KMI	MSD	None	10-502	H-26083
JWB	JWL	RKF	6-1-72	None

13 DRAWING CATEGORY: CRITICAL



CRITICAL DOCUMENT
MPL NO. 2748-1020 ACAD2007 H26084

**SOUTHERN
NUCLEAR
COMPANY**

This document contains proprietary, confidential, and/or trade secret information of the Southern Nuclear Company or of third parties. It is intended for use only by employees of, or authorized contractors of, or subsidiaries of Southern Nuclear Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion herein is prohibited.

EDWIN I. HATCH NUCLEAR PLANT UNIT NO. 2
PRIMARY CONTAINMENT PURGE & INERTING SYSTEM P&ID

NAME	DESIGNED	CHECKED	DATE
GSN	None	None	10-502
1-16-73	None	None	H-26084

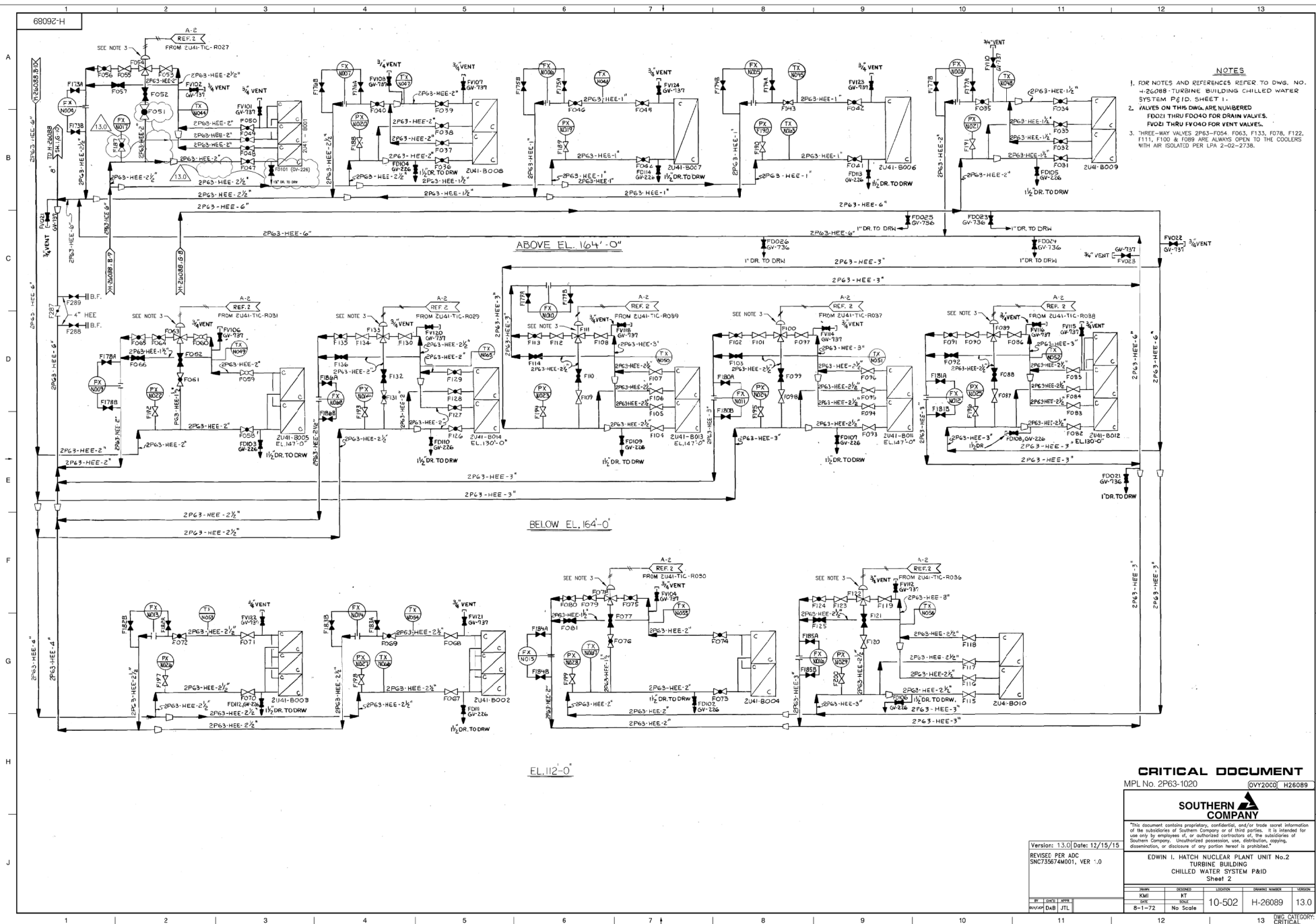
37.0

REFERENCE (CONT.)

- CLASS I.E. DIV. 1 ANALOG SIGNAL CONVERSION/ISOLATION SYS. I.E.D.
- CLASS I.E. DIV. 2 ANALOG SIGNAL CONVERSION/ISOLATION SYS. I.E.D.
- DIGITAL INPUT SIGNALS TO THE SPES/ERF COMPUTER SYSTEM I.E.D. SHEET 10 OF 15.
- DIGITAL INPUT SIGNALS TO THE SPES/ERF COMPUTER SYSTEM I.E.D. SHEET 11 OF 15.
- DIGITAL INPUT SIGNALS TO THE SPES/ERF COMPUTER SYSTEM I.E.D. SHEET 12 OF 15.
- BACKUP AIR / NITROGEN SUPPLY TO HARNESSED ENVIRONMENT VENT SYSTEM AIR OPERATED VALVES PAID.
- ELIM. DRG. FROM CONTAINMENT TORUS & MISC. TEMP MONITORING SH. 2 OF 3.
- EQUIPMENT AND INSTRUMENT NOS. ON THIS DWG. PRECEDING BY 2748-1020-0003 EXCEPT AS INDICATED, SEE NOTES 2 & 3.
- SWITCHES AND LIGHTS IDENTIFIED BY THIS ARE PART OF THE P.C.I.S. SYSTEM (PRIMARY CONTAINMENT ISOLATION SYSTEM) MPL 2051 AND ARE MOUNTED ON BENCHMARKS 2H11-P601 OR 2H11-P602.
- INDICATING LIGHTS LOCATED ON GRAPHIC DISPLAY ON BENCHMARK.
- 1 LEAKOFF CONNECTION ON VALVE TO BE USED FOR LOCAL LEAK RATE TESTING.
- VALVES ON THIS DWG. ARE NUMBERED D0021 THRU D0040 FOR DRAIN VALVES D0021 THRU D0040 FOR VENT VALVES.
- BYPASS PERMISSIVE KEYLOCK SWITCHES, ONE FOR EACH OF THE FOLLOWING P.C.I.S. SIGNALS:
A. HIGH DRYWELL PRESSURE.
B. LOW R.P.V. LEVEL.
C. REACTOR BUILDING HIGH RADIATION.
D. REFUELING FLOOR HIGH RADIATION.
- VALVE ISOLATES ON HIGH MAIN STEAM LINE PRESSURE. BYPASS PERMISSIVE KEY SWITCH OPERATES MAIN STEAM LINE SIGNAL ONLY AND ARE MOUNTED ON BENCHMARKS 2H11-P603.
- AUTOMATIC CHART SPEED / FLOW SELECTOR.
- VALVES 2748-F307, F308, F309, F318, F319, F320, F324 & F326 AIR OPERATORS MECHANICALLY LIMIT VALVE TRAVEL TO 50 DEGREES OPEN.
- ISOLATION SIGNAL ON HIGH DRYWELL PRESSURE, LOW R.P.V. LEVEL, REACTOR BUILDING HIGH RADIATION, REFUELING FLOOR HIGH RADIATION OR DRYWELL HIGH RADIATION. (FOR VALVES 2748-F307, F308, F309, F318, F319, F320, F324 & F326).
- VALVES 2748-F324 THRU L SHALL BE INSTALLED SUCH THAT THE VALVE BODY FLOW ARROW INDICATES FLOW FROM THE TORUS TO VALVES 2748-F324 THRU L.
- VALVES 2748-F307 AND 2748-F308 SHALL BE INSTALLED IN THE PIPELINE SUCH THAT THE FLAT FACE OF THE VALVE DISC IS FACING THE DRYWELL. VALVES 2748-F309 AND 2748-F324 SHALL BE INSTALLED IN THE PIPELINE SUCH THAT THE FLAT FACE OF THE VALVE DISC IS FACING THE TORUS. THE FLOW ARROWS ON 2748-F309, 2748-F320, 2748-F318, 2748-F319 AND 2748-F324 SHALL BE DISCARDED. THE "STOP" INTERNAL MOUNTED VALVE BODY SHALL BE ON THE SIDE FACING THE DRYWELL OR TORUS.
- NON-INTERRUPTIBLE AIR SUPPLY.
- THE VALVE IS DESIGNED TO BE "FAIL AS IS". HOWEVER, IF THE VALVE IS LEFT IN THE CLOSED POSITION OVER TIME, DUE TO AIR LEAKAGE, RETURN TO THE OPEN POSITION.

REFERENCES

REFERENCE	MPL NO.	S.S. NO.
1. REACTOR BUILDING VENTILATION FLOW DIAG.	2741-1020	H-26069 & 70
2. NITROGEN INERTING SYSTEM PAID.	2748-1010	H-26083
3. PIPING & INSTRUMENT SYMBOLS.	2442-1010	S15051
4. R.H.R. SYS. PAID.	2611-1010	H-26014 & 15
5. STANDBY GAS TREATMENT SYSTEM.	2741-1010	H-26067 & 68
6. REACTOR BUILDING COOLING SYSTEM PAID.	2747-1010	H-26074
7. PRIMARY CONTAINMENT ISOLATION SYSTEM.	2051-1040	H-27596 THRU H-27598
8. PROCESS RADIATION MONITORING SYSTEM.	2011-1010	H-26011
9. HPCL SYS. PAID.	2641-1010	H-26012
10. DRYWELL TO TORUS DIFFERENTIAL PRESSURE SYS. PAID.	2748-1030	H-26079
11. FISSON PRODUCTS/POSI-LOC MONITORING SYSTEM PAID.	2011-1010	H-26017
12. TORUS DRAINAGE & PURGE-TREATMENT SYSTEM PAID & PFD	2051-1010/1020	H-26042
13. NUCLEAR BOILER SYSTEM PAID SHEET	2821-1010	H-26001



CRITICAL DOCUMENT

MPL No. 2P63-1020

QY20C0 H26089

SOUTHERN 
COMPANY

"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
TURBINE BUILDING
CHILLED WATER SYSTEM P&ID
Sheet 2

Version: 13.0 | Date: 12/15/15
REVISED PER ADC
SNC735674M001, VER 1.0

REVISÉ PER ADC
SNC735674M001, VER 1.0

01/07/2007 14:00:01, VER 7.0

[illegible]

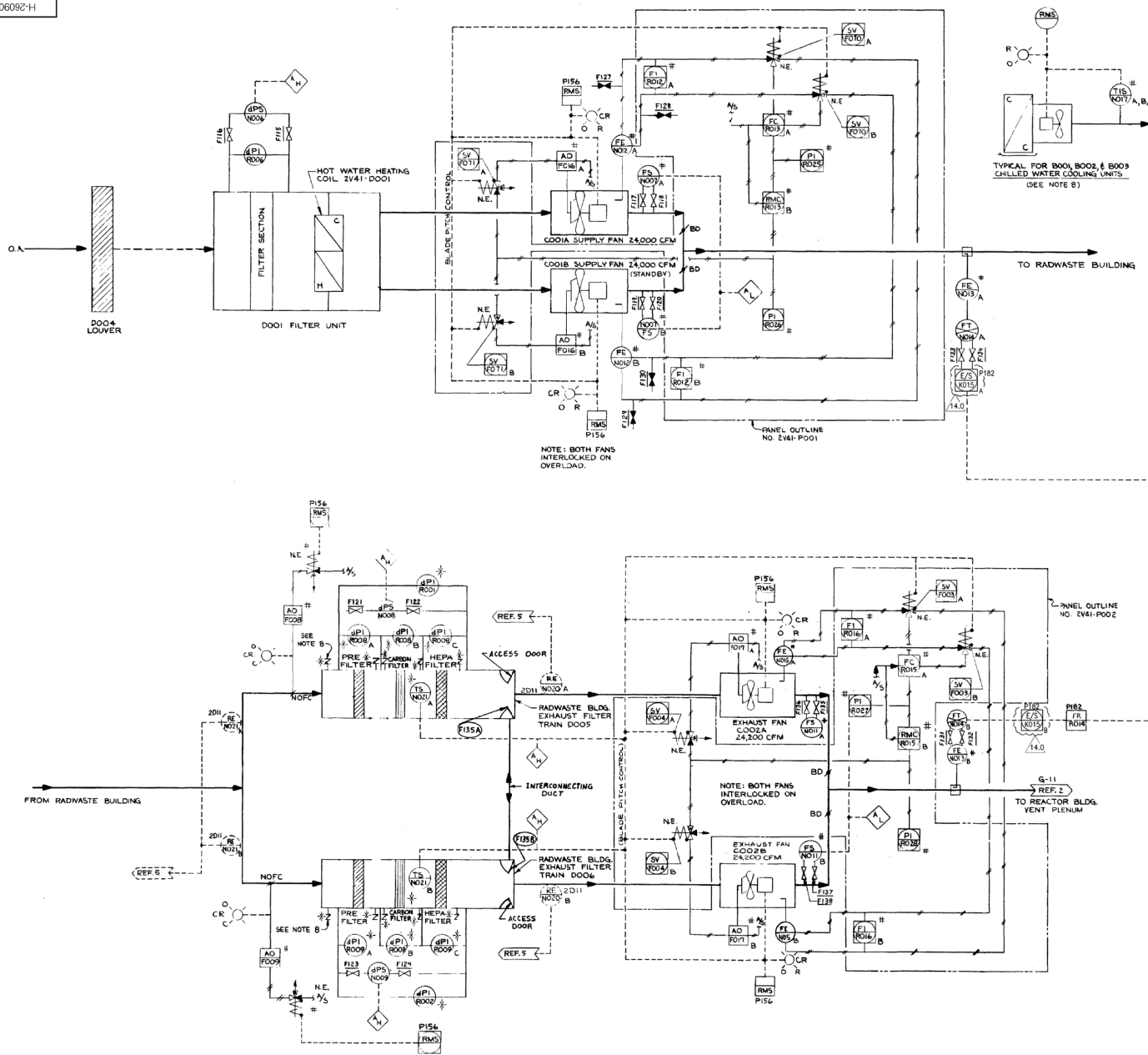
ET	CHC'D	APPR
----	-------	------

DESIGNED	LOCATION	DRAWING NUMBER	VERTICAL
KMI	KT	10-502	H-26089
DATE	SOLE		13.0

8-1-72	No Scale	10-502	11-20009	10.0
DWG CATEGORY:				

2000	1999
DWS CATEGORY:	

13 CRITICAL



NOTES

1. SEE DWG. NO. H-26077 FOR SYMBOL REFERENCE.
2. ALL EQUIPMENT AND INSTRUMENT NOS. ON THIS DWG. ARE PRECEDED BY 2V41-2V41-COOLIA.
3. FOR EQUIPMENT LOCATION SEE DWG. H-26246.
4. ALL REMOTE MANUAL SWITCHES, INDICATING LIGHTS, AND ANNUNCIATORS ON PANEL.
5. * INDICATES INSTRUMENT SUPPLIED BY WMC CONTRACTOR.
6. * INDICATES INSTRUMENT FURNISHED WITH THE ASSOCIATED EQUIPMENT.
7. ALL DRAIN LINES FROM THE COOLING COIL DRIP PAN AND FILTER TRAYS SHALL BE ROUTED TO THE NEAREST FLOOR DRAIN.

REFERENCES

- | REFERENCE | MPL. NO. | S.S. NO. |
|---|-----------|----------|
| 1. FIRE PROTECTION TO FILTER TRAYS IN REACTOR, RADWASTE, REINE BUILDINGS P&ID | 2V41-1000 | H-2141 |
| 2. REACTOR BUILDING VENTILATION SYSTEM P&ID | 2741-1010 | H-26047 |
| 3. FIRE PROTECTION SYSTEM P&ID | 2743-1010 | H-21017 |
| 4. REACTOR BUILDING CHILLED WATER SYSTEM P&ID | 2P54-1010 | H-26081 |
| 5. RADIATION MONITORING SYSTEM P&ID | 2011-1010 | H-26012 |
| 6. FIRE PROTECTION TO Filter Trays P&ID | 2V41-3 | H-21342 |

MPL NO. 2V41-1010

CVY2008 H26090

SOUTHERN COMPANY

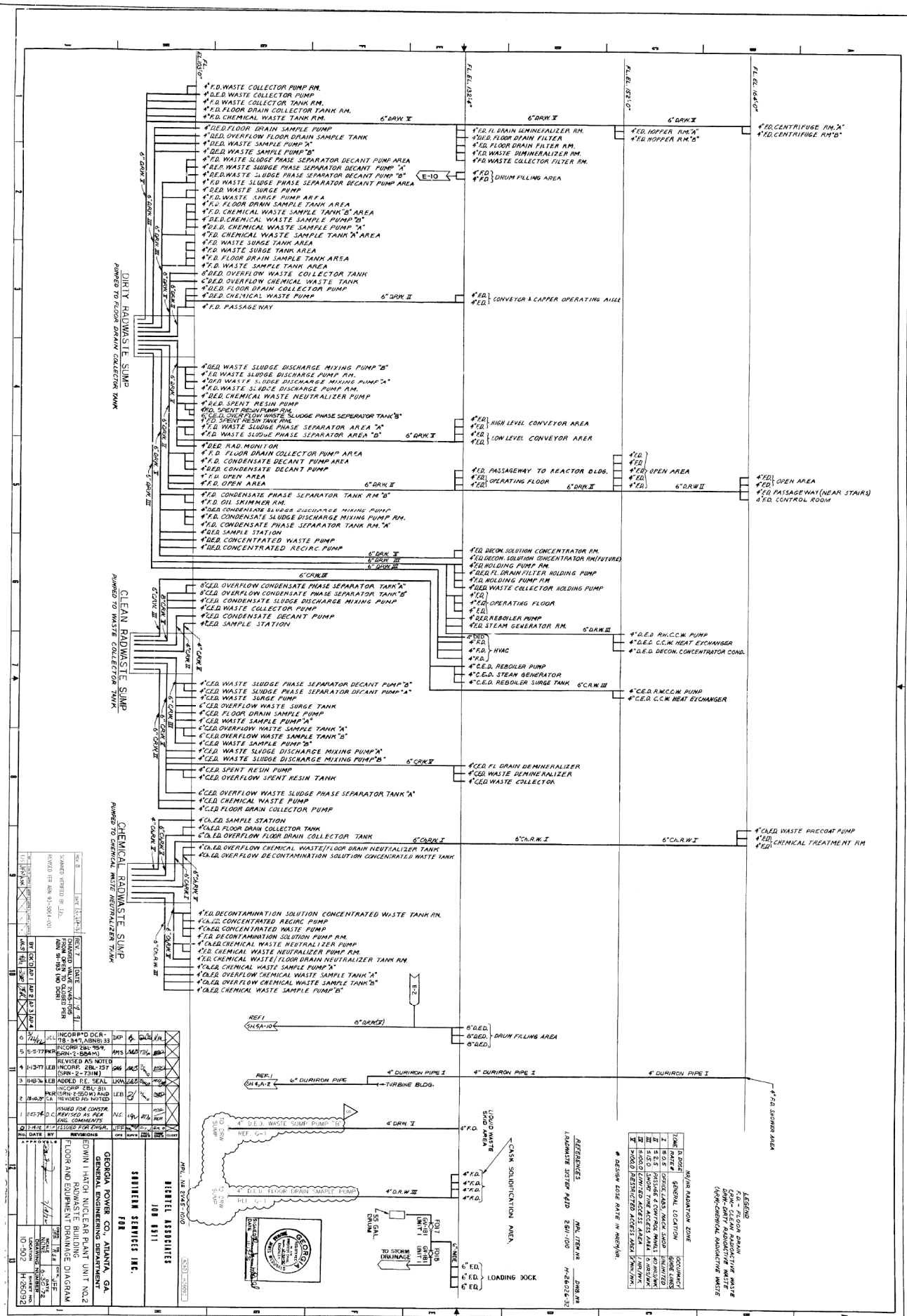
This document contains proprietary, confidential, and/or trade secret information of the Southern Company or of its affiliates. It is intended for use only by employees of, or authorized contractors of, the Southern Company. Unauthorized possession, use, distribution, copying, reproduction, or disclosure of any portion hereof is prohibited.

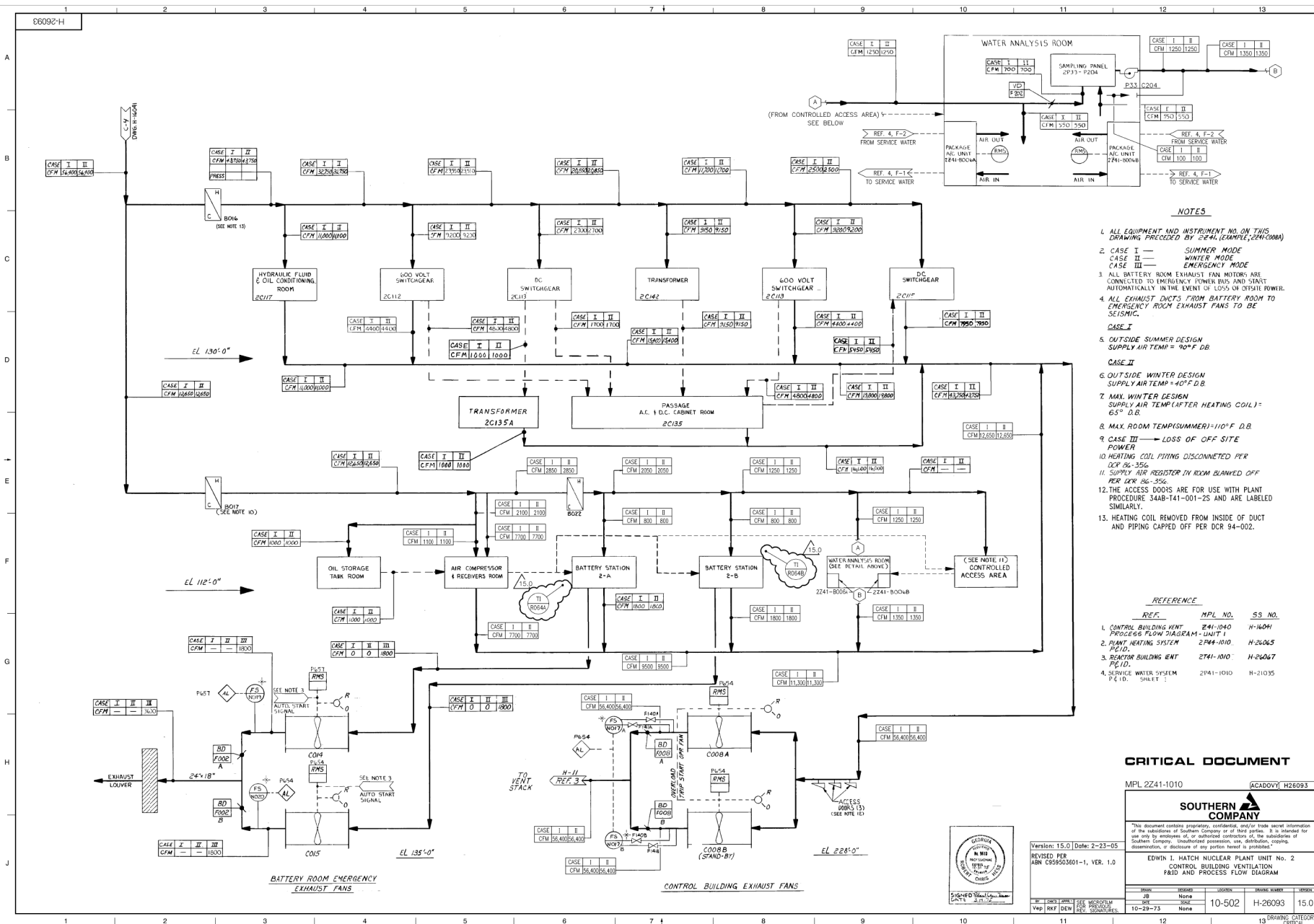
Version: 14.0 | Date: 3-25-05
 REVISED PER ABR
 2019002301M003, VER. 1.0

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
 RADWASTE BUILDING VENTILATION
 SYSTEM P&ID

DRWN	REVISED	LOCATION	ISSUE NUMBER	ISSUED
BB	VCW	10-502	H-26090	14.0
JLO	WNO	12-30-74	None	

DRAWING CATEGORY: CRITICAL





CRITICAL DOCUMENT

MPL 2Z41-1010

ACAD00YY H2609

SOUTHERN
COMPANY

*This document contains proprietary, confidential, and/or trade secret information.

of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

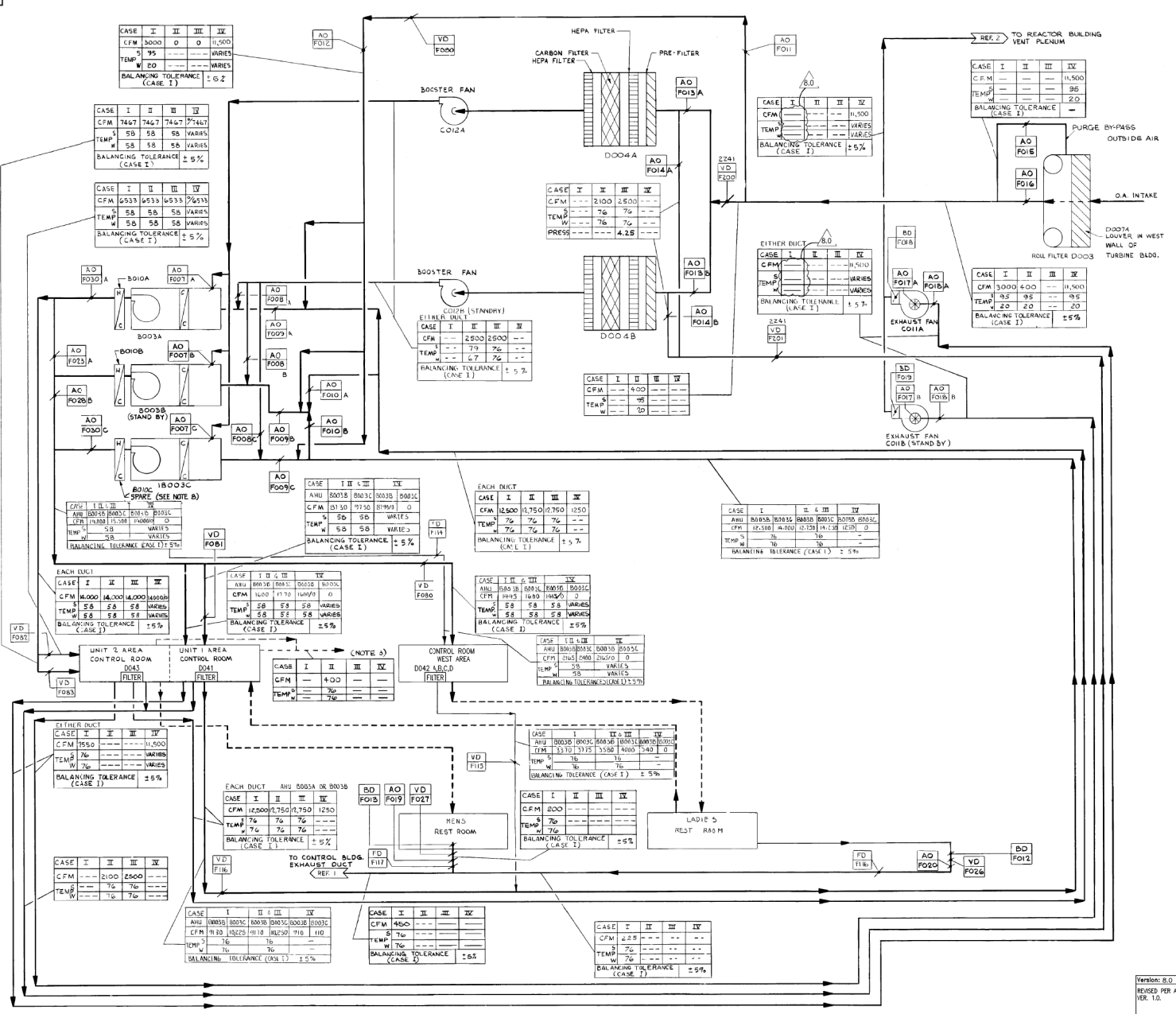
EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
CONTROL BUILDING VENTILATION
P&ID AND PROCESS FLOW DIAGRAM

Offense	DECEASED	LOCATION	Offense(s) involved	VER
JB	None	12-7-88	12-7-88	

DATE	SCALE	10-502	H-26093	15
10-29-73	None			

	Control
--	---------

A
B
C
D
E
F
G
H
J



LEGEND

- DESCRIPTIONS**
- OUTSIDE MAKEUP AIR FLOW THROUGH INLET FILTER AND MIXED WITH RECIRCULATED AIR FLOW THROUGH AIR HANDLING UNITS.
 - OUTSIDE MAKEUP AIR FLOW THROUGH INLET FILTER AND THROUGH CARBON FILTER AND MIXED WITH RECIRC. AIR FLOW THROUGH AIR HANDLING UNITS. CONTROL ROOM EXHAUST FAN CUT-OFF (PRESSURIZATION MODE).
 - NO OUTSIDE MAKEUP AIR, 2500 CFM RECIRCULATED AIR THROUGH CARBON FILTERS. (MANUAL ISOLATION MODE).
 - OUTSIDE AIR THROUGH BY-PASS AND THROUGH ONE AIR HANDLING UNIT. MINIMUM RECIRCULATED AIR EXHAUST TO ATMOSPHERE. (FOR AIR HANDLING UNIT IS MANUALLY SHUT DOWN FOR DURATION OF CASE II PURGE MODE OPERATION.) AHU 8003C UNIT WILL NOT BE USED TO PURGE.
- NOTES**
- SEE DWG. H-16001 FOR SYMBOLS REFERENCE
 - ALL EQUIPMENT AND INSTRUMENT NFR ON THIS DWG. PROVIDED BY 12-415 EXCEPT 1741-8008 EXCEPT AS NOTED.
 - CASE II EXHAUST FAN OFF, AIR QUANTITIES ARE DUE TO EXFILTRATION WITH CONTROL ROOM PRESSURIZED, AIR OPERATED DAMPERS TO EXHAUST FAN CLOSED.
 - THE FLOW AS SHOWN IS TOTAL AIR QUANTITY FOR DESIGNATED AREA, THE AIR FLOW FROM INDIVIDUAL DIFFUSER, REGISTERS, ETC., MAY BE BALANCED WITHIN $\pm 5\%$.
 - ALL BALANCING SHALL BE ACCOMPLISHED BASED ON AIR FLOW SHOWN IN CASE I (NORMAL MODE OF OPERATION).
 - NFR. DENOTES "NOT RESTRICTED".
 - THIS DRAWING SUPERSEDES H-16043 & HEATER DISCONNECTED, REMAINS IN PLACE.

REFERENCES

REFERENCE	MPL NO.	SSI NO.
CONTROL BLDG. VENTILATION P.I.D. AND PROCESS FLOW DIAGRAM	Z41-1010	H-16042
REACTOR BLDG. VENTILATION PROCESS FLOW DIAGRAM	T41-1020	H-16006

MPL 1241-1060 & 2241-1020 0VY2004 H26094

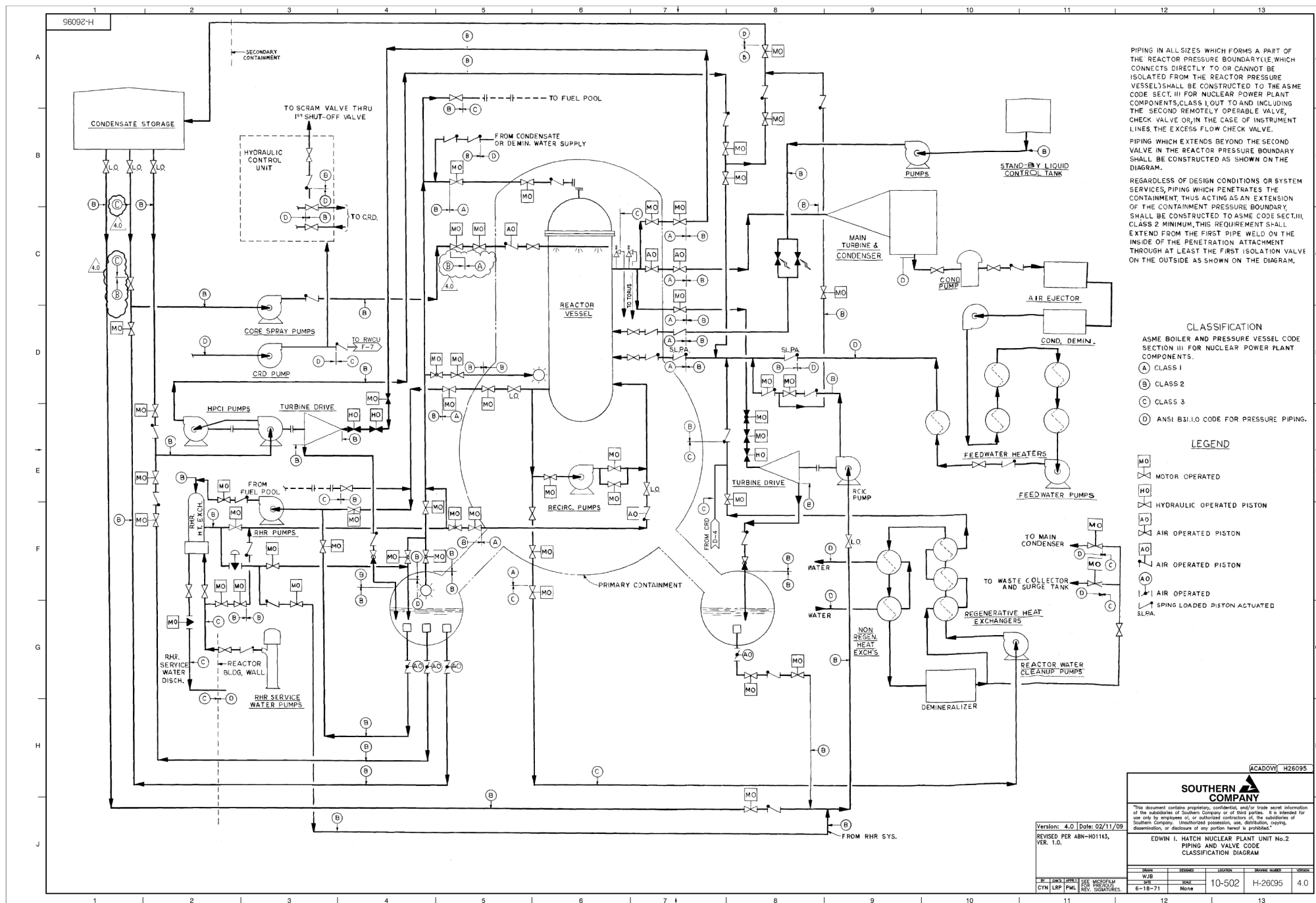


"This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited."

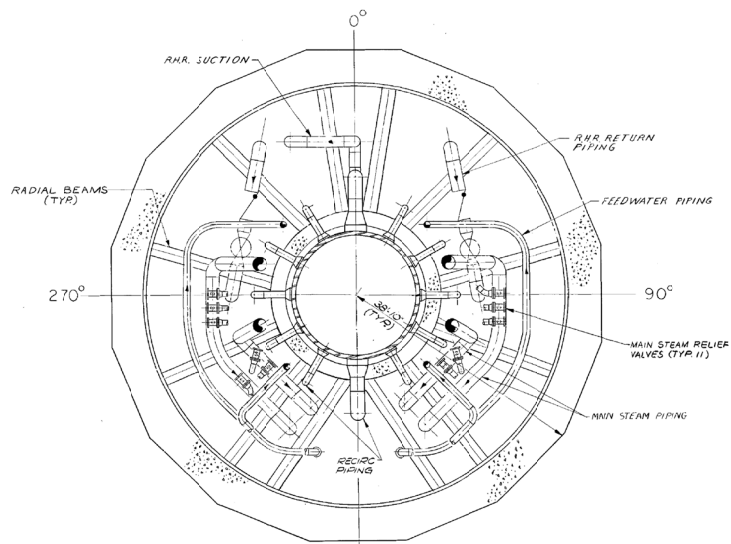
EDWIN I. HATCH NUCLEAR PLANT UNIT 1 & 2
CONTROL BUILDING CONTROL ROOM
AIR COND. PROCESS FLOW DIAGRAM

Version: 8.0 Date: 10/29/08
REVISED PER AEN-00102, VER. 1.0.

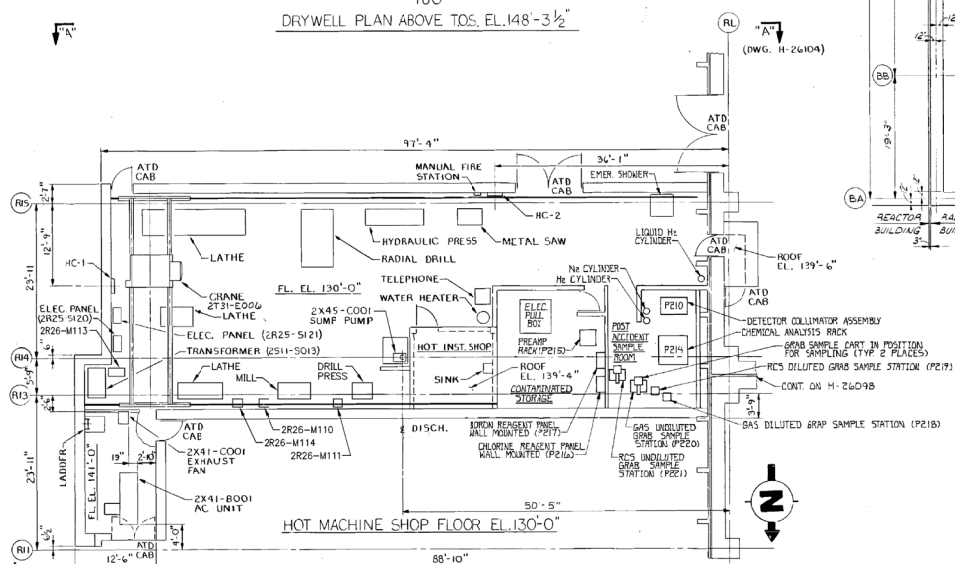
REV	BY	DATE	REASON	APPROVED
1	WJ	7/8/75	None	



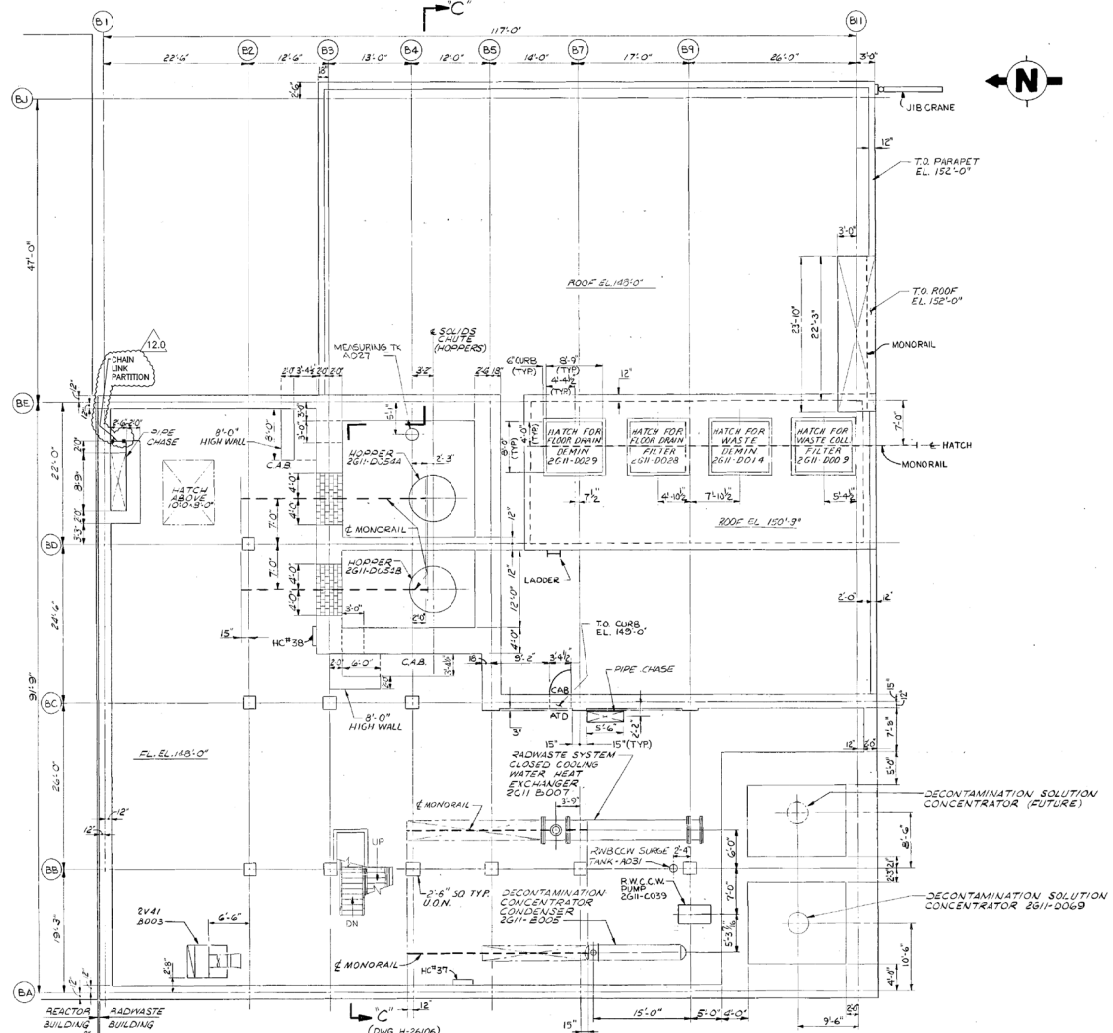
86092-H



DRYWELL PLAN ABOVE T.O.S. EL. 148'-3 1/2"



HOT MACHINE SHOP FLOOR EL. 130'-0"



RADWASTE BUILDING
NOMINAL ROOF # FLOOR EL. 148'-0"

SOUTHERN COMPANY

This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
GENERAL ARRANGEMENT DRYWELL AREA EL. 148'-3 1/2"
RADWASTE BUILDING EL. 148'-0"
AND HOT MACHINE SHOP EL. 130'-0"

Version: 12.0 Date: 02/08/13

REVISED PER ARN
SNC3703724010, VER 1.0

REV	DATE	BY	CHKD	APPD	DESCRIPTION
1	5-11-70	1/8"	1-0"		

ACAD00V H26099

10-502 H-26099 12.0

