

62422-H

2E41-MOV F008 ELECTRICAL PROTECTION  
 2E41-MOV F003 ELECTRICAL PROTECTION  
 2E41-MOV F001 ELECTRICAL PROTECTION  
 2E41-MOV F004 ELECTRICAL PROTECTION  
 2E41-MOV F012 ELECTRICAL PROTECTION  
 2E41-MOV F041 ELECTRICAL PROTECTION  
 2E41-MOV F042 ELECTRICAL PROTECTION  
 2E41-MOV F002 ELECTRICAL PROTECTION  
 2E41-MOV F006 ELECTRICAL PROTECTION  
 2E41-MOV F007 ELECTRICAL PROTECTION

2H11-P601  
 (1-11)

2E41-MOV F002  
 2H11-P601  
 2E41-MOV F003  
 2H11-P601

2H11-P601  
 (1-16)

2E41-MOV F002  
 2H11-P601  
 2E41-MOV F003  
 2H11-P601

2H11-P601  
 (1-04)

2E41-MOV F001 VALVE FULLY OPEN  
 2E41-MOV F012  
 2H11-P601  
 (2-31)

2E41-OPS N753 HPCI TURBINE OIL FILTER DIFF. PRESS. HIGH  
 2H11-P601  
 (1-24)

2E41-TS N754 HPCI TURBINE OIL COOLER DISCHARGE TEMP. HIGH  
 2H11-P601  
 (1-18)

2E41-PS N654 HPCI PUMP SUCTION PRESSURE  
 2H11-P601  
 (1-17)

HPCI TURBINE TRIP  
 SOLENOID 2E41-SV F124 (SV1)  
 2H11-P601  
 (1-09)

2E31-TDS M03A  
 2H11-P601  
 (1-05)

2E41-ADV F054  
 2H11-P601  
 (1-10)

2E41-DCAC K603 HPCI INVERTER LOSS OF POWER  
 2H11-P601  
 (1-20)

2E41-PS N031 HPCI PUMP SUCTION PRESSURE HIGH  
 2H11-P601  
 (1-23)

2E41-PS N656B HPCI TURBINE EXHAUST PRESS.  
 2H11-P601  
 (1-22)

2E41-PS N656D HPCI TURBINE EXHAUST PRESS.  
 2H11-P601  
 (1-22)

RMS(HPCI TURBINE SPEED TEST)-TURBINE TEST  
 2H11-P601  
 HPCI SYSTEM FLOW CONTROLLER IN TEST MODE  
 REF. 9  
 2H11-P601  
 (2-25)

2E41-MOV F003  
 2H11-P601  
 (2-25)

RMS(HPCI TURBINE SPEED TEST)-NORMAL  
 2H11-P601  
 HPCI SYSTEM FLOW CONTROLLER IN NORMAL MODE  
 REF. 9  
 2H11-P601  
 (2-25)

HPCI TURBINE SPEED CONTROL 2E41-FIC-R612

HPCI LOGIC BUS A LOSS OF POWER  
 2H11-P601  
 (1-26)

HPCI LOGIC BUS B LOSS OF POWER  
 2H11-P601  
 (1-26)

HPCI LOGIC BUS C LOSS OF POWER  
 2H11-P601  
 (1-26)

HPCI LOGIC BUS D LOSS OF POWER  
 2H11-P601  
 (1-26)

HPCI TURBINE STOP VALVE FULLY CLOSED  
 2H11-P601  
 (1-03)

2E41-F001 FULLY CLOSED  
 2H11-P601  
 (1-03)

HPCI TURBINE TRIPPED  
 2H11-P601  
 (1-03)

HPCI TURBINE GOVERNOR  
 PUMP GENERATOR INITIATED  
 REF. 9  
 2H11-P601  
 (1-34)

2E41-PS N762 BAROMETRIC CONDENSER PRESS. HIGH  
 2H11-P601  
 (1-34)

2E41-LS N761 BAROMETRIC CONDENSER LEVEL LOW  
 2H11-P601  
 (1-35)

2E41-LS N760 BAROMETRIC CONDENSER LEVEL HIGH  
 2H11-P601  
 (1-29)

2E41-LS N760 BAROMETRIC CONDENSER LEVEL HIGH-HIGH  
 2H11-P601  
 (1-29)

2E41-PS N752 HPCI TURBINE BEARING OIL PRESS. LOW  
 2H11-P601  
 (1-12)

2E41-MOV F003  
 2H11-P601  
 (1-21)

2E41-MOV F002  
 2H11-P601  
 (1-15)

# SWITCH DEVELOPMENTS

NORMAL TURBINE TEST  
 MAINTAINED CONTACTS

RMS(HPCI TURBINE SPEED TEST)  
 LOCATION: 2H11-P601  
 MAINTAINED CONTACTS

FOR NOTES SEE DWG. H-24742  
 FOR REFERENCES SEE DWG. H-24743

## SUPERSEDING

THIS DRAWING WAS DEVELOPED FROM G.E.  
 DRAWING NO. 7296278A, SHT. 1, REV. 8,  
 SHT. 2, REV. 8, AND SHT. 3, REV. 8.  
 SC51 ACCESSION DRAWING NO. S-28104,  
 S-28105, AND S-28106 RESPECTIVELY.

NPL NO. 2E41-1030 (CADD) (H-24743)

BECHTEL

JOB 6511 GAITHERSBURG, MARYLAND

SOUTHERN SERVICES INC.  
 FOR

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

EDWIN I. HATCH NUCLEAR PLANT UNIT NO. 2  
 HIGH PRESSURE COOLANT INJECTION SYSTEM  
 LOGIC DIAGRAMS  
 SHEET 8 OF 9

DATE: 5-16-95  
 SCALE: 1"=1'-0"

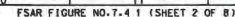
LOCATION: 10-502  
 SHEET NO.: H-24743

REV. 5 DATE 5-5-94  
 REVISED PER AIN 92-0091-002  
 VED: KAT: JND  
 REV. 4 DATE 8-11-94  
 SCANNED, VERIFIED BY: JLN  
 REVISED PER AIN 93-0036-002

LCN: (27) (MCS) (MCS)







MPL NO. 21-11030		ACAD 103A-0021	
<b>BECHTEL</b>			
JOB 6511		GAITHERSBURG, MARYLAND	
SOUTHERN SERVICES INC.		FOR	
GEORGIA POWER CO., ATLANTA, GA.		GENERAL ENGINEERING DEPARTMENT	
EDWIN J. HATCH NUCLEAR PLANT UNIT NO. 1		REACTOR CORE ISOLATION COOLING SYSTEM	
LOGIC DIAGRAMS		SHEET 2 OF 8	
GA/OFFNO A-KOSI 5-15-85		DATE	
SCALE		DATE	
LOCATION		DATE	
DRAWING NUMBER		DATE	
SHEET NO.		DATE	
H-2475		DATE	





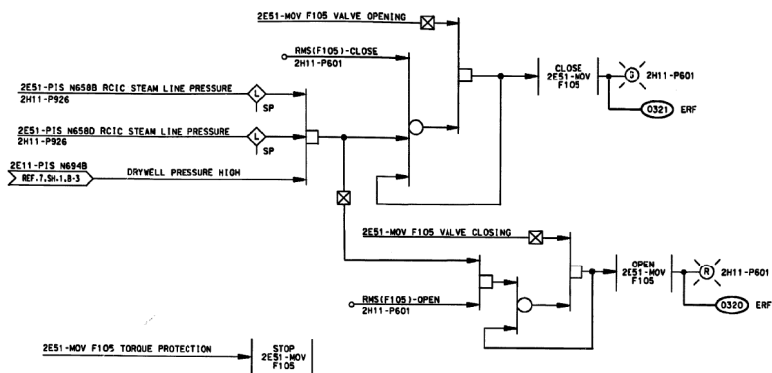




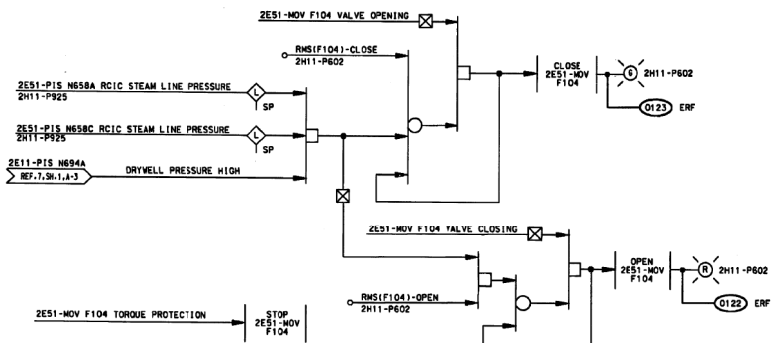


REV. 5	DATE 12-14-78
REVISED RCIC INITIATION SYS. ON 2H11-P602 PER WCN 81-174-03 (DCR 81-17 R. 0)	
BY CKD	AP1 AP2 AP3

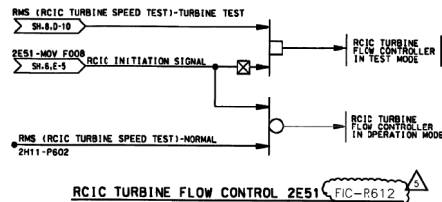
H-24756



TURBINE EXHAUST VACUUM BREAKER  
(PCIS VALVE GROUP 9) GATE VALVE 2E51-MOV F105



TURBINE EXHAUST VACUUM BREAKER  
(PCIS VALVE GROUP 9) GATE VALVE 2E51-MOV F104



RCIC TURBINE FLOW CONTROL 2E51 (PIC-R612)

### SWITCH DEVELOPMENTS

CLOSE AUTO OPEN

RMS(F104)  
LOCATION 2H11-P602  
RMS(F105)  
LOCATION 2H11-P601  
MOMENTARY CONTACTS  
IN "CLOSE" AND "OPEN"  
SPRING RETURN TO "AUTO"

FOR NOTES, SEE DWG. H-24750.  
FOR REFERENCES, SEE DWG. H-24751.

### SUPERSEDING

THIS DRAWING WAS DEVELOPED FROM G.E.  
DRAWING NO. 7296228A, SH.1, REV.8  
SH.2, REV.4, SH.3, REV.7 AND, SH.4,  
REV.8. SCRI ACCESSION DRAWING NO.  
S-26102, S-26102, S-26101 AND, S-26103  
RESPECTIVELY.

MPL NO. 2E51-1030

BECHTEL

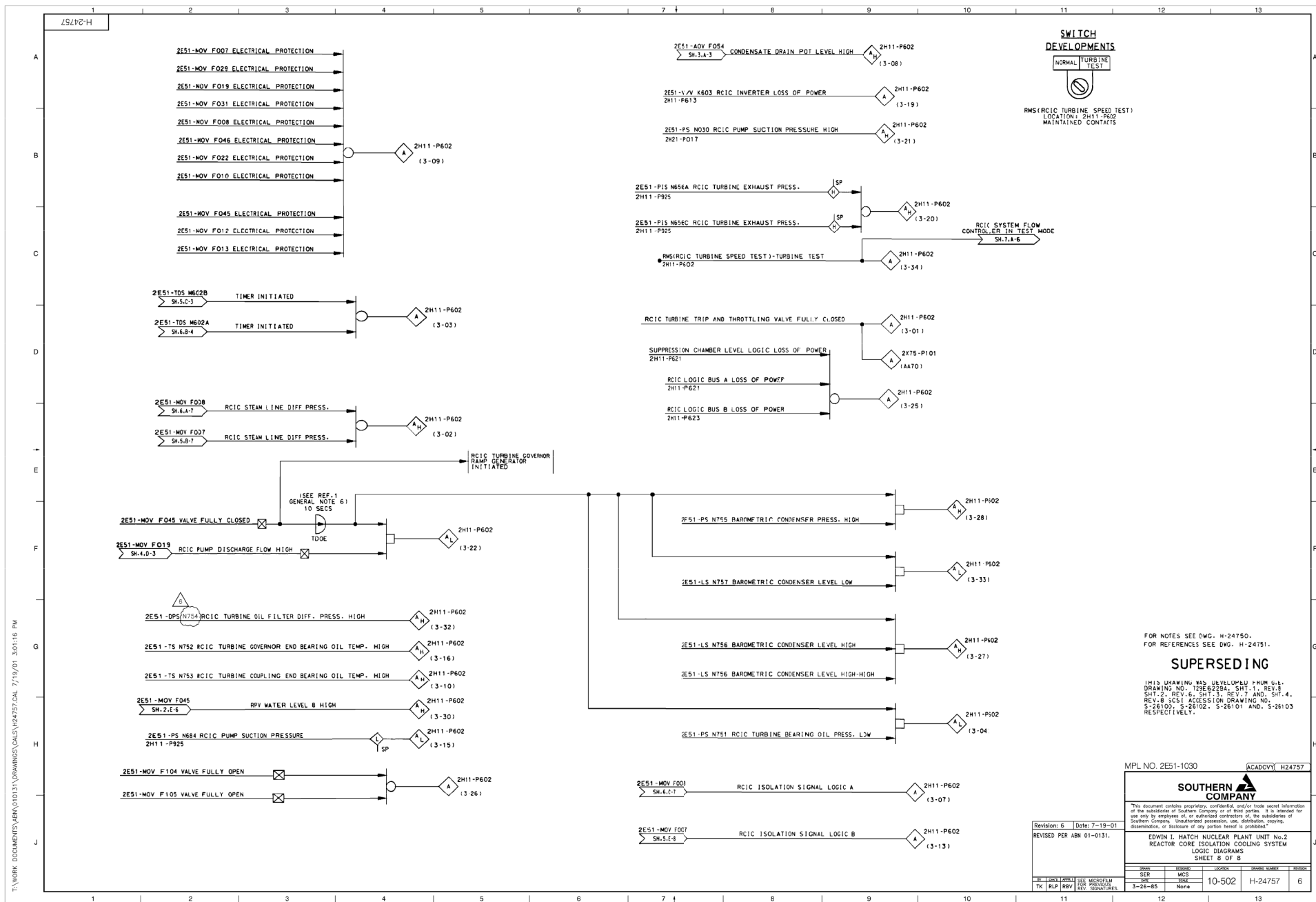
JOB 6511 GAITHERSBURG, MARYLAND

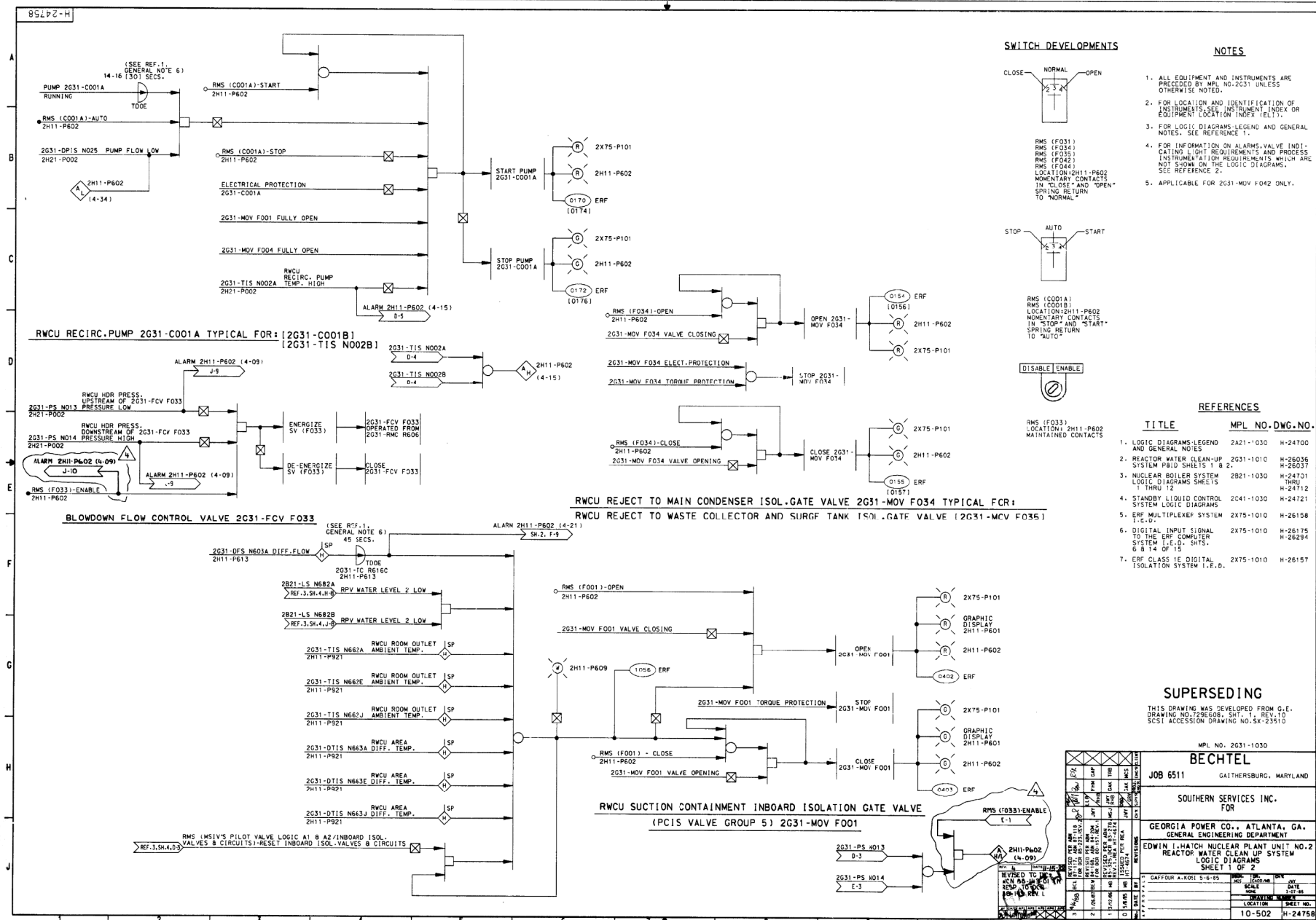
SOUTHERN SERVICES INC.  
FOR

GEORGIA POWER CO., ATLANTA, GA.  
GENERAL ENGINEERING DEPARTMENT  
EDWIN I HATCH NUCLEAR PLANT UNIT NO.2  
REACTOR CORE ISOLATION COOLING SYSTEM  
LOGIC DIAGRAMS  
SHEET 7 OF 8

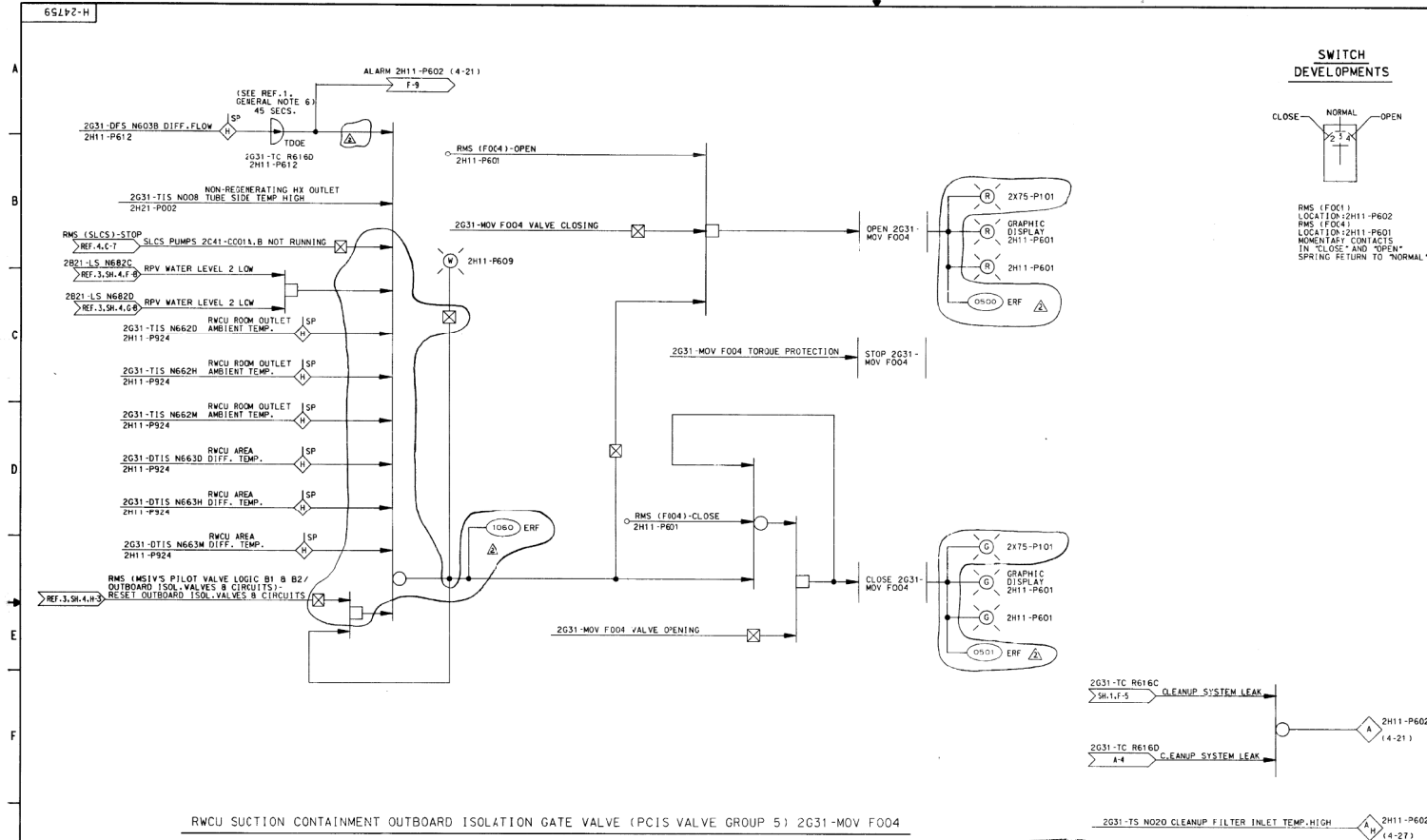
REV. 5 DATE 8-5-90  
REVISED PER ABR 92-0093-002  
SCANNED, VERIFIED BY: TJS  
REVISED PER ABR 94-0034-012

GAFFOUR 8-0051 5-15-95  
DATE 10-5-95  
LOCATION 10-502  
SHEET NO. H-24756

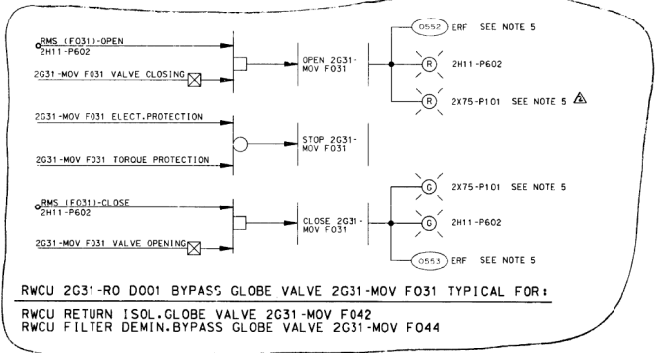








RWCU SUCTION CONTAINMENT OUTBOARD ISOLATION GATE VALVE (PCIS VALVE GROUP 5) 2G31-MOV F004



RWCU 2G31-RO D001 BYPASS GLOBE VALVE 2G31-MOV F031 TYPICAL FOR:  
RWCU RETURN ISOL. GLOBE VALVE 2G31-MOV F042  
RWCU FILTER DEMIN. BYPASS GLOBE VALVE 2G31-MOV F044

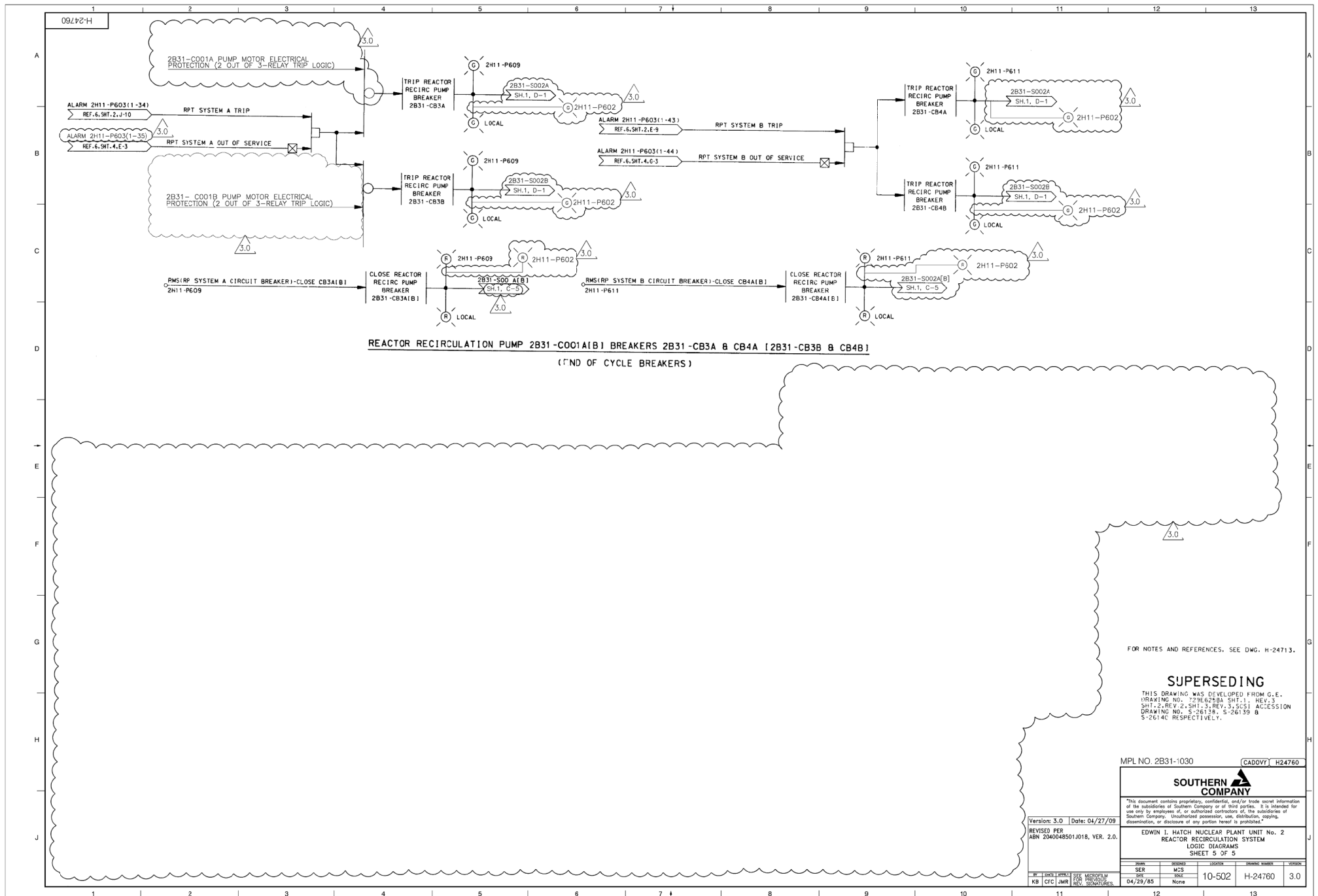
1. FOR NOTES AND REFERENCES SEE DWG. H-24758

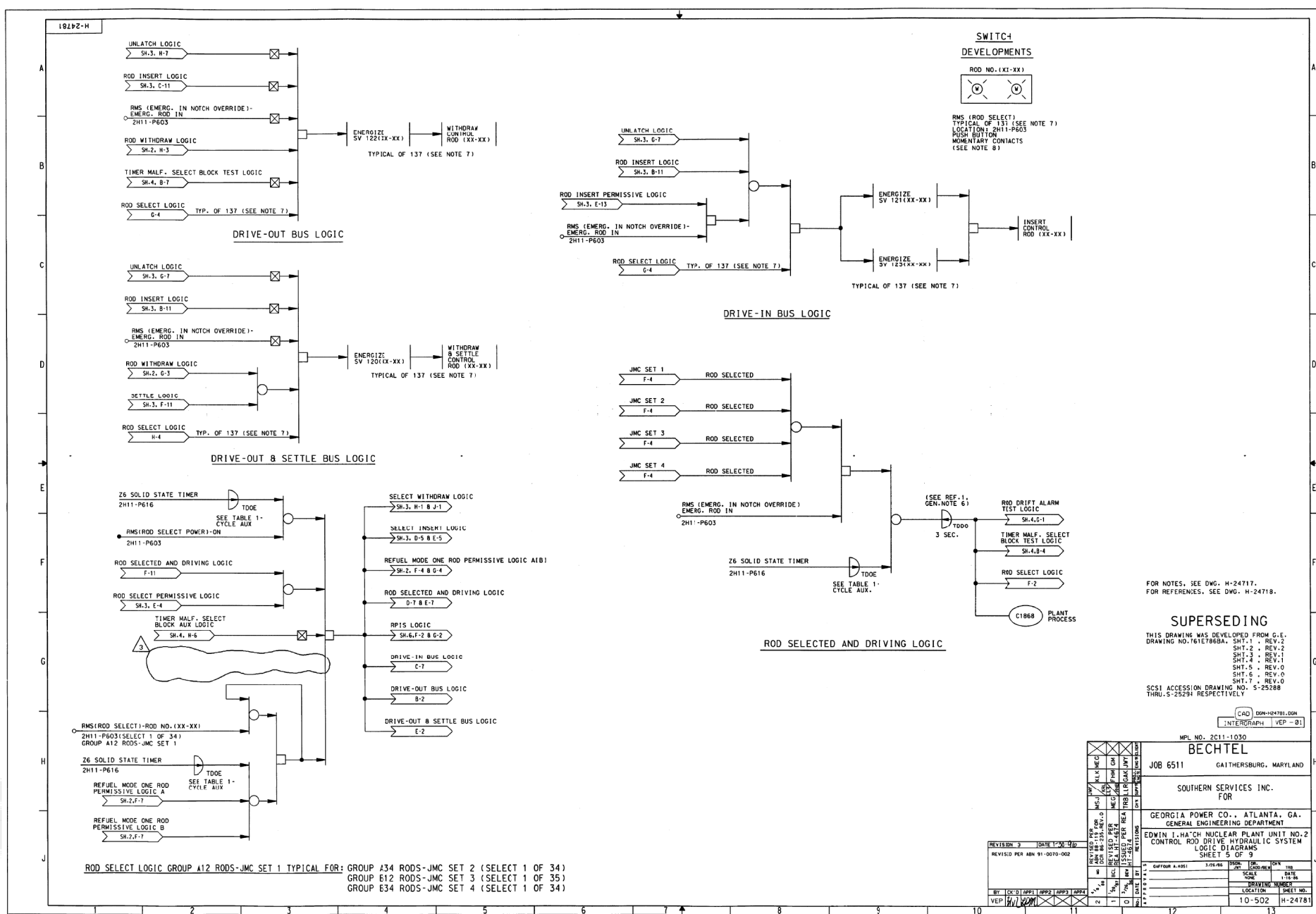
### SUPERSEDING

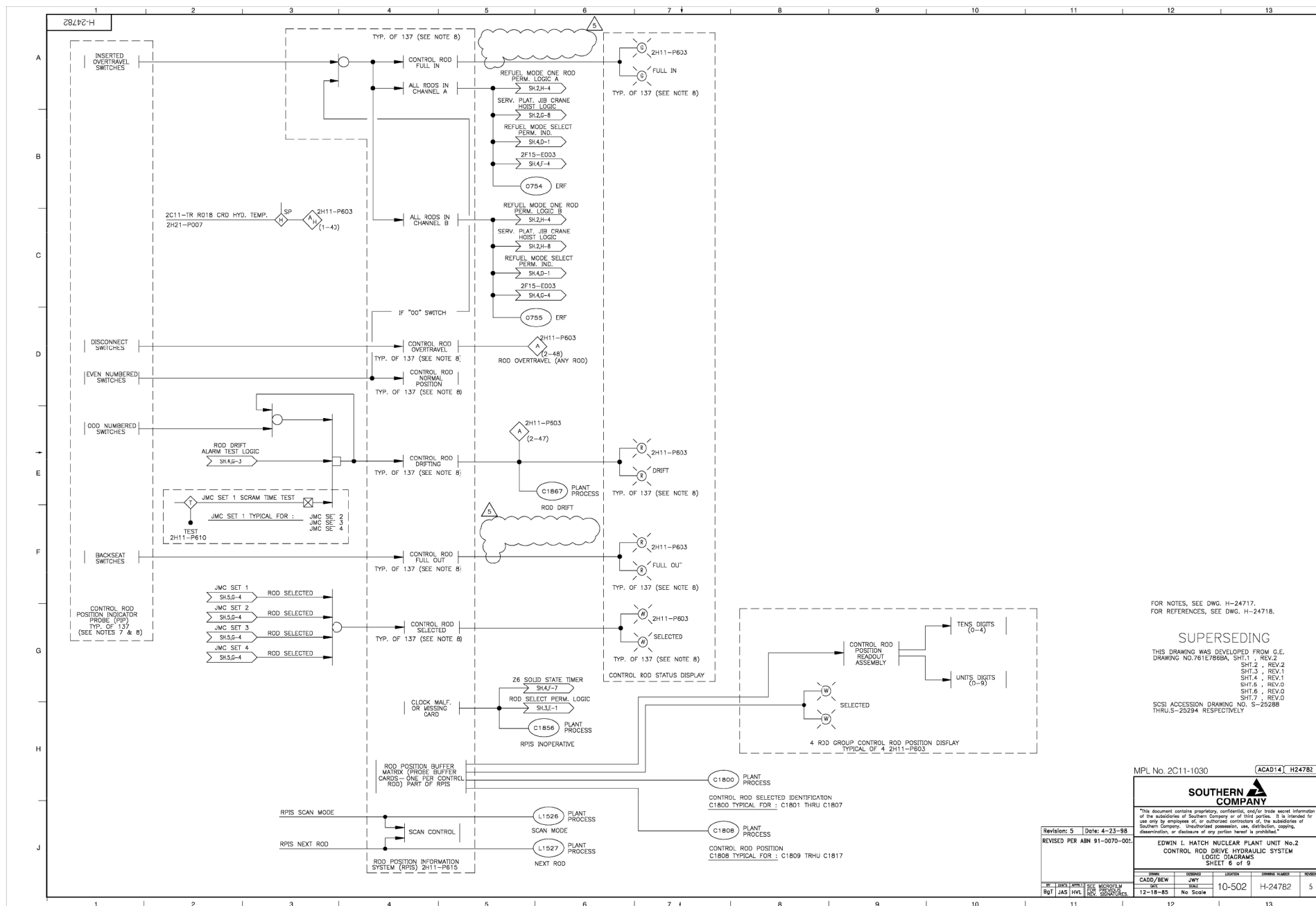
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MPL NO. 2G31-1030

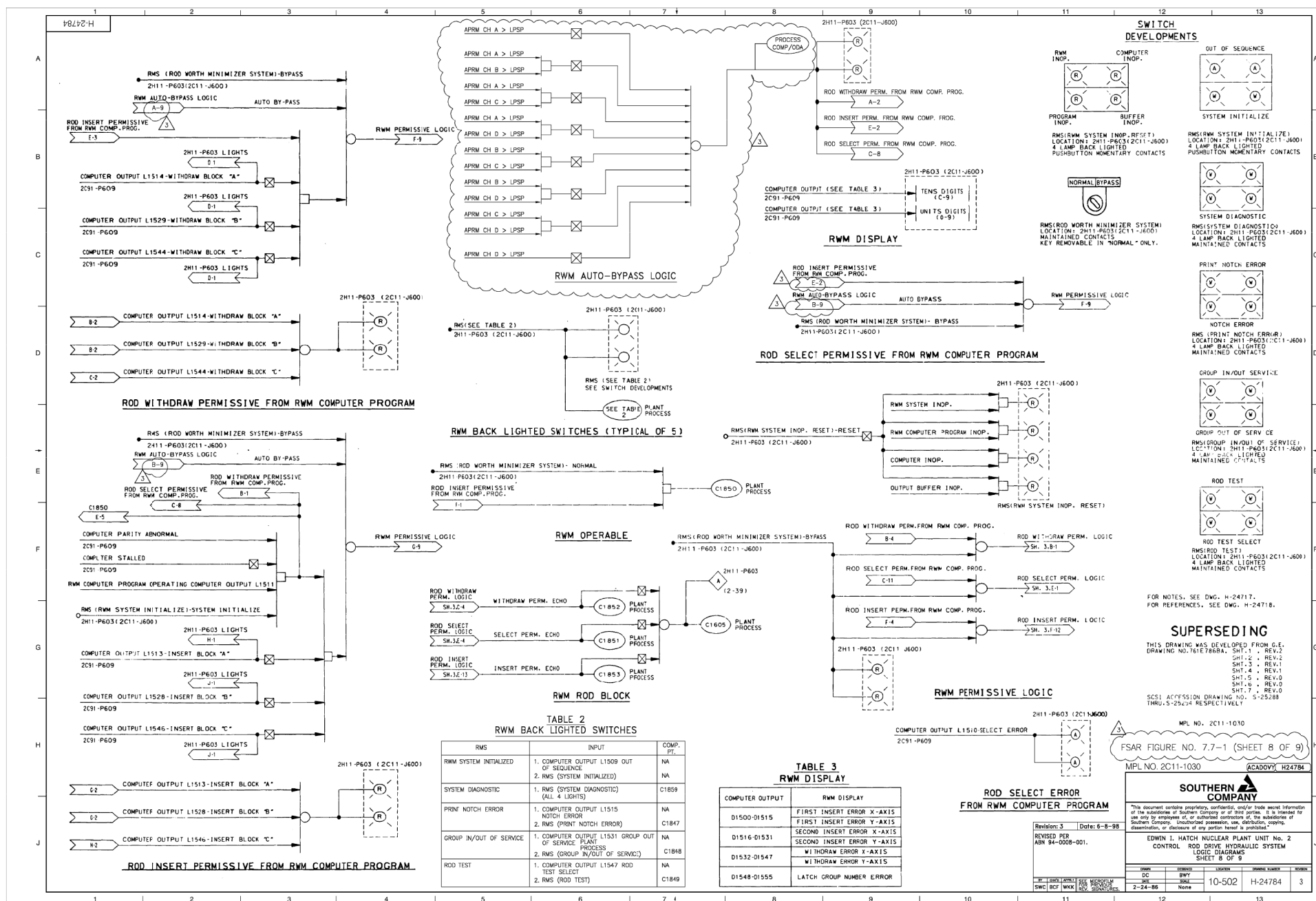
<b>BECHTEL</b> J08 6511 GAITHERSBURG, MARYLAND	
SOUTHERN SERVICES INC. FOR	
GEORGIA POWER CO., ATLANTA, GA. GENERAL ENGINEERING DEPARTMENT	
EDWIN J. HATCH NUCLEAR PLANT UNIT NO. 2 REACTOR WATER CLEAN UP SYSTEM LOGIC DIAGRAMS SHEET 2 OF 2	
DATE: 10-5-02 SCALE: 1:1 DRAWN BY: J. L. HARRIS CHECKED BY: J. L. HARRIS APPROVED BY: J. L. HARRIS	SHEET NO. 10-502 H-24758



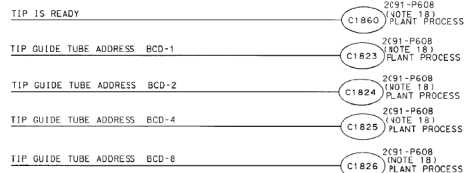




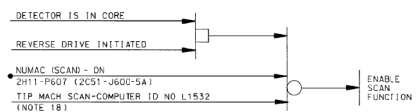
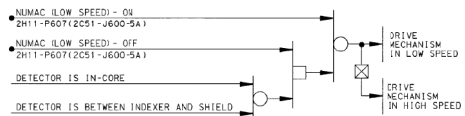
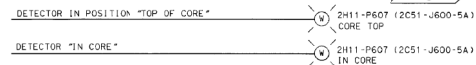
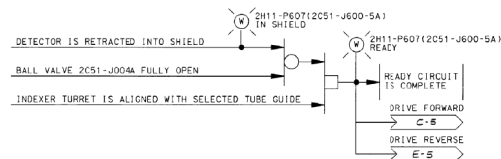
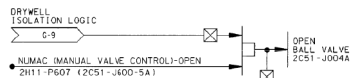
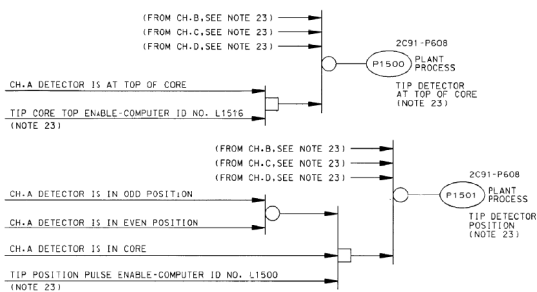




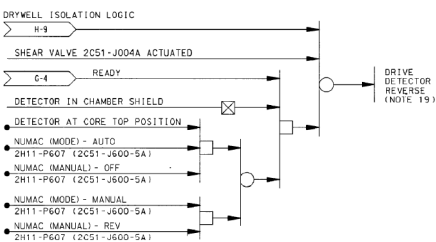
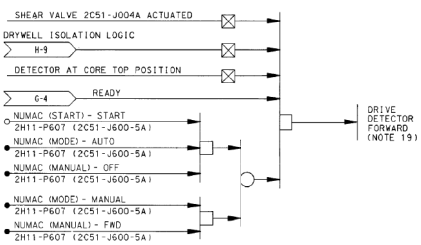
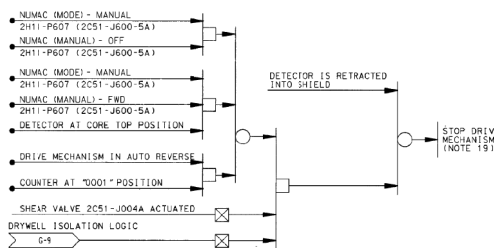
S8/P2-H



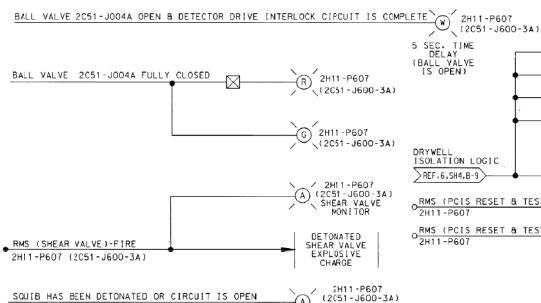
COMPUTER DIGITAL INPUTS FROM 2C51D TRAVERSING IN-CORE PROBE  
SYSTEM CHANNEL A: TYPICAL FOR CHANNELS B, C & D (SEE TABLE 9)



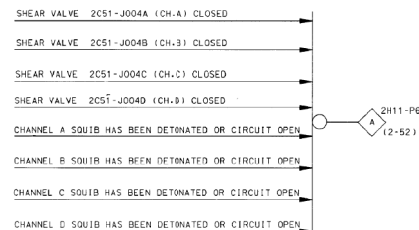
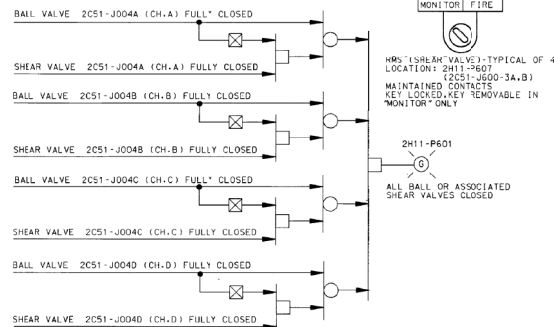
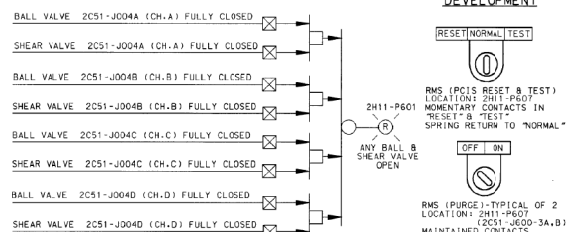
DRIVE CONTROL UNIT FOR CHANNEL A  
TYPICAL FOR CHANNELS B, C, AND D  
(2C51-J600-5B, C AND D)



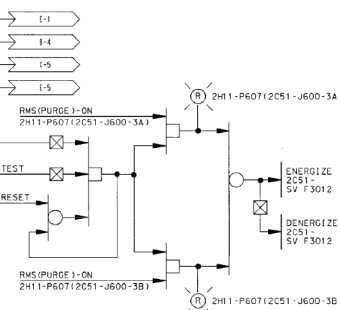
TIP DETECTOR DRIVE CONTROL LOGIC (NOTE 19)  
FOR CH.A: TYP. FOR CH.B, C, AND D (2C51-J600-5B, C, AND D)



BALL AND SHEAR VALVE CONTROL MONITOR  
FOR CH.A: TYPICAL FOR CH.B, AND (2C51-J-600-3B) FOR CHANNELS C AND D

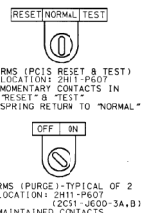


BALL AND SHEAR VALVE STATUS AND ANNUNCIATION LOGIC

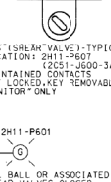


DRY GAS PURGE CONTROL LOGIC

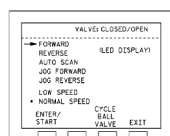
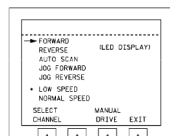
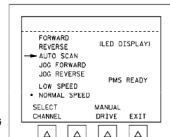
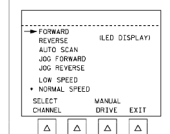
SWITCH DEVELOPMENT



MONITOR FIRE



LED DISPLAY



FOR NOTES AND REFERENCES, SEE DRAWING H-24782 FOR SHEET 6 OF 6, SEE DRAWING H24780

SUPERSEDING

THIS DRAWING WAS DEVELOPED FROM G.E. DRAWING NO. 7296318

SHEET	REV.	DATE	DESCRIPTION
1	5	5-28-68	
2	5	5-28-69	
3	5	5-28-70	
4	5	5-28-71	
5	5	5-28-72	
6	4	5-16-73	
7	5	5-28-73	

MPL NO. 2C51-1030

ACADOVY H24785

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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
NEUTRON MONITORING SYSTEM (NMS)

10-502 H-24785

Revision: 4 Date: 11-12-93  
REVISED PER ABN 94-0008-001

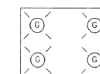
BY: JMS CS REV. 3-22-86

NO SCALE

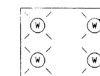
10-502 H-24785

98/P2-H

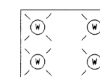
## SWITCH DEVELOPMENTS



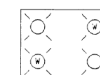
POWER ON  
RMS/SRM/IRM DETECTOR POSITION  
LOCATION: 2H11-P603  
4 LAMP BACK LIGHTED  
MAINTAINED CONTACTS



DRIVE IN  
RMS (SRM/IRM DETECTOR POSITION)  
LOCATION: 2H11-P603  
4 LAMP BACK LIGHTED PUSHBUTTON  
MOMENTARY CONTACTS



DRIVE OUT  
RMS (DRIVE OUT)  
LOCATION: 2H11-P603  
4 LAMP BACK LIGHTED PUSHBUTTON  
MOMENTARY CONTACTS



SRM/IRM CHANNEL SELECT

RMS (SRM CHANNEL A SELECT)  
RMS (SRM CHANNEL B SELECT)  
RMS (SRM CHANNEL C SELECT)  
RMS (SRM CHANNEL D SELECT)  
RMS (IRM CHANNEL A SELECT)  
RMS (IRM CHANNEL B SELECT)  
RMS (IRM CHANNEL C SELECT)  
RMS (IRM CHANNEL D SELECT)  
RMS (IRM CHANNEL E SELECT)  
RMS (IRM CHANNEL F SELECT)  
RMS (IRM CHANNEL G SELECT)  
RMS (IRM CHANNEL H SELECT)  
LOCATION: 2H11-P603  
12 LAMPS NOT USED  
MAINTAINED CONTACTS

FOR NOTES AND REFERENCES, SEE DRAWING H-24725

## SUPERSEDING

THIS DRAWING WAS DEVELOPED FROM G.E.  
DRAWING NO. 7296318  
SHEET 6 OF 8  
ACCESSION DWG. NO.  
1 5 S-28698  
2 5 S-28699  
3 5 S-28700  
4 5 S-28701  
5 5 S-28702  
6 5 S-16375  
7 5 S-28703

MPL NO. 2C51-1030 (ACADOV) H24786

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EDWIN I. HATCH NUCLEAR PLANT UNIT No.2  
NEUTRON MONITORING SYSTEM (NMS)  
LOGIC DIAGRAMS  
(SHEET 6 OF 8)

Revision: 3 Date: 11-12-97  
SCANNED, VERIFIED BY: BGT  
REVISED PER ABN 94-0008-00

BY: JMS CSJ REV: 4-3-88  
DATE: 4-3-88  
NO SCALE

DATE: 4-3-88  
SCALE: No Scale  
SHEET: 10-502  
H-24786  
3

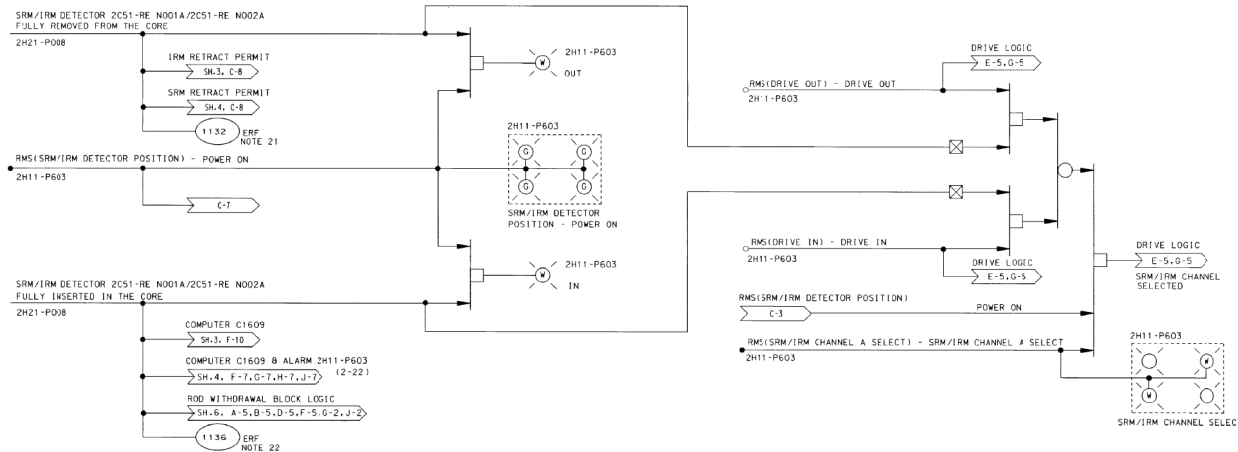


TABLE 10

SRM CHANNEL A	MOTOR MODULE A	2C51-S001 A
SRM CHANNEL B	MOTOR MODULE B	2C51-S001 B
SRM CHANNEL C	MOTOR MODULE C	2C51-S001 C
SRM CHANNEL D	MOTOR MODULE D	2C51-S001 D
IRM CHANNEL A	MOTOR MODULE E	2C51-S001 E
IRM CHANNEL B	MOTOR MODULE F	2C51-S001 F
IRM CHANNEL C	MOTOR MODULE G	2C51-S001 G
IRM CHANNEL D	MOTOR MODULE H	2C51-S001 H
IRM CHANNEL E	MOTOR MODULE J	2C51-S001 J
IRM CHANNEL F	MOTOR MODULE K	2C51-S001 K
IRM CHANNEL G	MOTOR MODULE L	2C51-S001 L
IRM CHANNEL H	MOTOR MODULE M	2C51-S001 M

## SRM/IRM MOTOR MODULES

TABLE 9

DESCRIPTION	COMPUTER ID NUMBERS			
	CHANNEL A	CHANNEL B	CHANNEL C	CHANNEL D
DRIVE CONTROL UNIT	2C51-J600-5A	2C51-J600-5B	2C51-J600-5C	2C51-J600-5D
TIP MACH SCAN	L1532	L1533	L 534	L1535
TIP POSITION PULSE ENABLE	L1500	L1501	L 502	L1503
TIP CORE TOP ENABLE	L1516	L1517	L 518	L1519
TIP GUIDE TUBE ADDRESS	BCD-1	C1823	C1827	C 831
	BCD-2	C1824	C1828	C 832
	BCD-4	C1825	C1829	C 833
	BCD-8	C1826	C1830	C 834
TIP READY	C1860	C1861	C 862	C1863

SOURCE RANGE MONITOR/INTERMEDIATE RANGE MONITOR DETECTOR DRIVE CONTROL SYSTEM CHANNEL A

TYPICAL: FOR SRM CHANNELS B,C,D AND IRM CHANNELS B,C,D,E,F,G,H.



RMS (ARI) MANUAL INITIATION - CH.1)  
RMS (ARI) MANUAL INITIATION - CH.11)  
LOCATION: 2W11-P603  
ROTATE COLLAR TO ARM  
OR DISARM ARI (MAINTAINED CONTACTS  
LEFT POSITION - ARI DISARMED  
RIGHT POSITION - ARI ARMED  
PUSH BUTTON TO  
ACTUATE ARI (MOMENTARY CONTACTS)  
DISARMED/ARMED LABELLING SHOWN  
ABOVE IS FOR INFORMATION ONLY.  
THE ACTUAL SWITCHES DO NOT HAVE  
INDIVIDUAL COLLAR POSITION LABELS.



RMS (ALTERNATE ROD INSERTION RESET)  
LOCATION: 2H11-P603  
PUSH BUTTON  
MOMENTARY CONTACTS

FOR NOTES, SEE DWG. H-24717  
FOR REFERENCES, SEE DWG. H-24718

MPL NO. 2C11-1030

**BECHTEL**  
511 GAITHERSBURG, MARYLAND

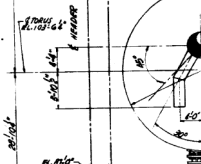
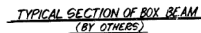
SOUTHERN SERVICES INC.  
FOR

GEORGIA POWER CO., ATLANTA, GA.  
GENERAL ENGINEERING DEPARTMENT  
EDWIN I. HATCH NUCLEAR PLANT UNIT NO. 2  
CONTROL ROD DRIVE HYDRAULIC SYSTEM  
LOGIC DIAGRAMS  
SHEET 9 OF 9

[illegible]



DESCRIPTION OF LOAD	LOADING CONDITION	FOR STAY TRUSS	FOR RAY PEDESTAL	
		EL 186'-0"	EL 142'-0"	EL 114'-5"
SHEAR IN KIPS	OBE	900	1200	1226
	DBE	1800	2400	1606
	FLOODED	1900	1133	1224
MOMENT IN FT KIPS	OBE		46,417	58,638
	DBE		92,833	76,466
	FLOODED		87,046	58,849



LOAD	JET LOAD			DL + LL	SEISMIC	
	CASE 1	CASE 2	CASE 3		DBE	DBE
F <sub>x</sub>	±190	±100	±650	-175	±170	±240
F <sub>y</sub>	±350	±100	±100	7	-	-
F <sub>z</sub>	±580	±160	±500	12	±25	±35
M <sub>x</sub>	±5	±5	±5	-	-	-
M <sub>y</sub>	±970	±260	±110	30	-	-
M <sub>z</sub>	±580	±390	±290	20	-	-

- NOTES:  
1. FOR JET LOADS ALL CASES ARE TO BE INDEPENDENTLY CONSIDERED;  
BUT ONLY ONE CASE AT A TIME.  
2. ALL FORCES ARE IN KIPS AND MOMENTS IN FT. KIPS.  
3. REACTOR SHIELD COLUMNS ARE OF ASTM A441 STEEL AND ARE  
WELDED TO THE TOP OF THE PEDESTAL TO DEVELOP FULL  
FIXITY.

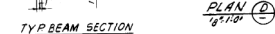


LOADING AT ELEVATION 148-34°E EL 410'												
GRAIN DESIGNATION	DL + LL IN KIPS		JET LOAD IN KIPS			SEISMIC OBE IN KIPS		WIND ON BEACHT SHOULDER SLIP FILLS			REMARKS	
	R1	R2	B1	B2	B3	R1	R2	DL+LL	JET	SEISMIC OBE		
R21 TOBAM	100	100	±400	CASE A ±200	CASE A ±950		±20	±20	475	CASE A ±410 CASE B ±800	±90	REDUCED FOR FLOOD AT FIVE FEET

NOTE IN ADDITIONAL REFUELING CONDITION LOAD OF 26K SHALL BE APPLIED TO EACH BEAM REACTION BUT THIS WILL NOT SIMULTANEOUSLY ACT WITH JET LOADS.

R1= REACTION OF THE BEAM ON THE DRYWELL SIDE.  
R2= REACTION OF THE BEAM ON THE REACTOR SHIELD SIDE  
R3= AXIAL LOAD ON THE BEAM.

CASE 8 CASE 8 B/D JET LOADS ARE TO BE INDIVIDUALLY SATISFIED IN THE USUAL LOADING COMBINATIONS.



LOADING AT ELEVATION 127'9"											
Pile Description	D.L. + L.L. IN KIPS		JET LOAD IN KIPS				SENSING CUBE IN KIPS		MOM. AT PEDESTAL IN FT.-KIPS		REMARKS
	B <sub>1</sub>	B <sub>2</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	B <sub>2</sub>	B <sub>2</sub>	D.L. + JET	SENSING CUBE	
PH-10 T-4	100	100	1320	CASE 1 1200 ± 780 CASE 2 1560		120	120	475	1900 ± 1700	± 90	FILLED AT PEDESTAL
PH-10 T-6	100	100	± 260	± 180	-	120	± 20	400	± 600	± 100	FILLED AT PEDESTAL

R1 = REACTION OF THE BEAM ON THE DRYWELL SIDE.  
R2 = REACTION OF THE BEAM ON THE PEDESTAL SIDE.  
R3 = AXIAL LOAD ON THE BEAM.  
CASE A & CASE B FOR JET LOADS ARE TO BE INDIVIDUALLY  
LOADING COMBINATIONS.

NOTE:  
AN ADDITIONAL REFUELING CONDITION LOAD OF 2K SHALL BE APPLIED TO EACH BEAM REACTION BUT THIS WILL NOT SIMULTANEOUSLY ACT WITH JET LOADS.



- NOTES**
1. LOADING, ELECTRIC INFLATION APPLIED TO AN INFLATION TEST
  2. FOR ADDITIONAL LOADING AND DEFLATION CONDITIONS SEE SECTION 3 ITEM 1
  3. THE INTERNAL AND EXTERNAL NETS ON THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  4. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  5. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  6. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  7. THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  8. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  9. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  10. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  11. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
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  17. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  18. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  19. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  20. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  21. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  22. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  23. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER INCLUDING BY AN AS NO OF 50 FT
  24. SEISMIC LOADING SHOULD BE APPLIED FOR THE DRYWELL SHALL BE REMARKED WITH THE DRYWELL COVER

REFERENCE DRAWINGS	
TITLE	CHG NO
DEWELL DETAILS & CRB PENETRATIONS	N-25001
PENETRATION DETAILS	N-25002
SUPPRESSION SUMMER PLANS AND SECTIONS	N-25003
SECTION THROUGH TIE-IN ROCKETAL INTERCEPT	N-25004
ELEVATION INSIDE & OUTSIDE	N-25005
SECTION THROUGH TIE-IN ROCKETAL	N-25006
SECTION THROUGH TIE-IN ROCKETAL	N-25007
DEWELL WATER SEAL ASSEMBLY - PLAN, SECTIONS & DETAILS	N-25008

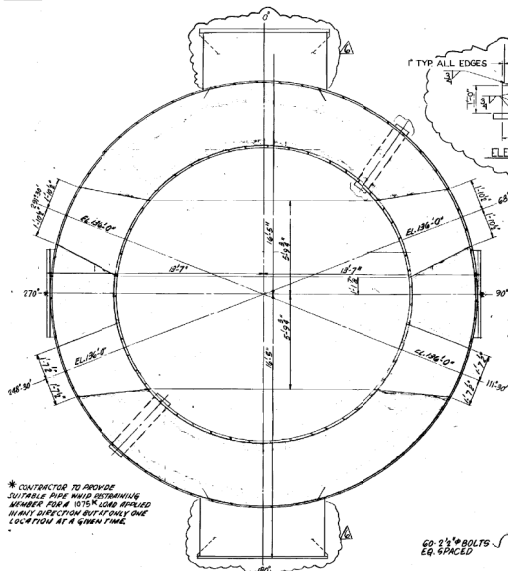
BECHTEL ASSOC  
JOB 6511

SOUTHERN SERVICES INC  
FOR

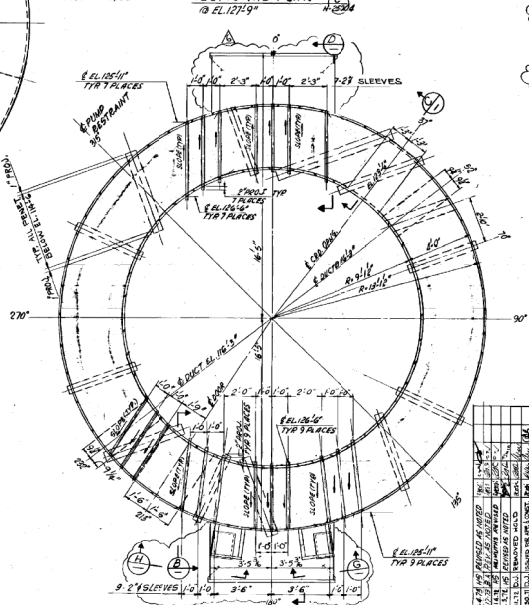
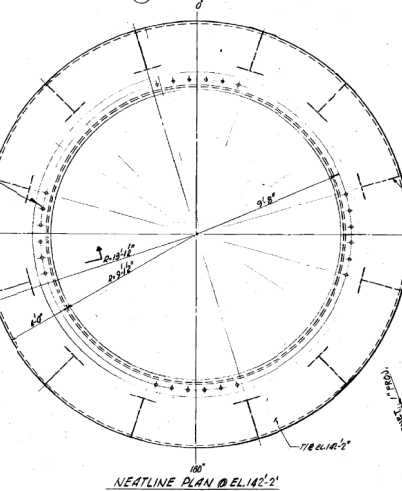
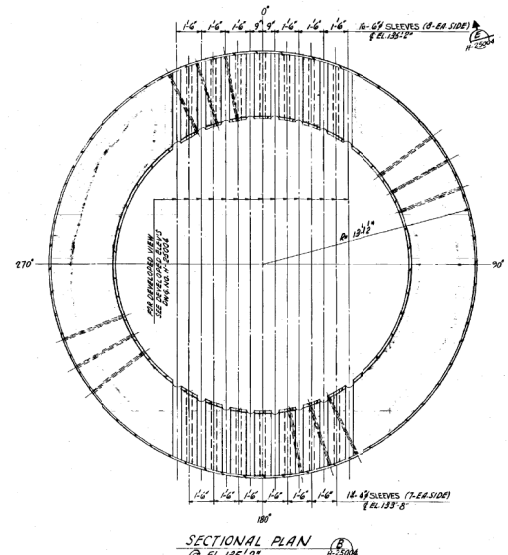
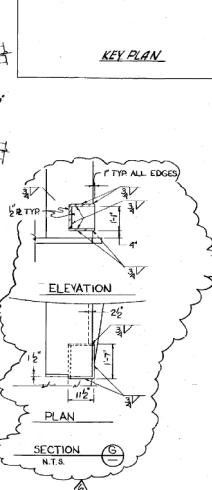
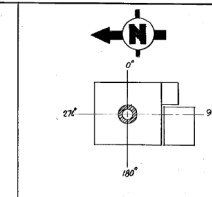
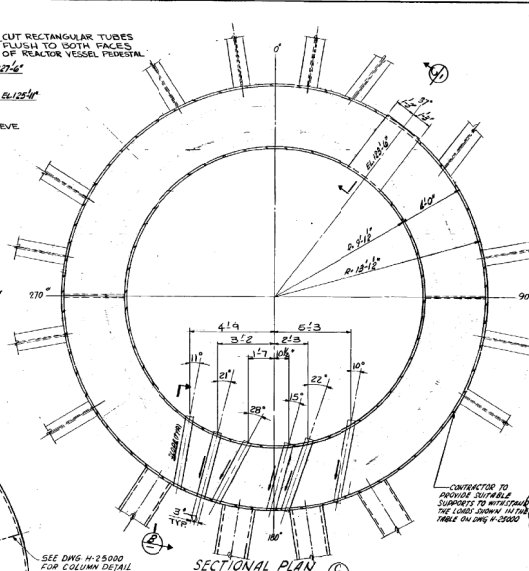
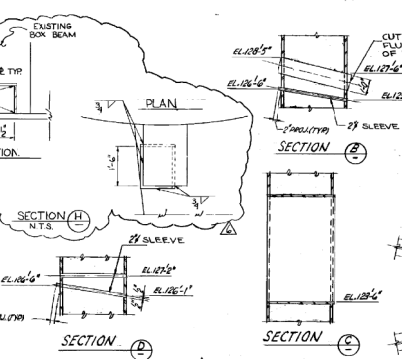
GEORGIA POWER CO., ATLANTA, GA  
GENERAL ENGINEERING DEPARTMENT  
EDWIN HATCH NUCLEAR PLANT UNIT NO. 1  
REACTOR BUILDING  
CONTAINMENT VESSEL REQUIREMENTS  
DRYWELL PLANS & SECTIONS

S U B M I T T E D	DATE	BY	CHKD
	SCALE	DATE	
	DRAWING NUMBER		
	LOCATION	SHEET NO.	
	10-502	2500	





\* CONTRACTOR TO PROVIDE  
SUITABLE RING WELD OR OTHER  
MEANS FOR 15% LOAD WELDED  
RIGID JOINTS BUT ONLY ONE  
LOCATION AT A GIVEN TIME.



- NOTES
1. GENERAL ELECTRIC ORIENTATION OF EQUALS  
PLANT ORIENTATION EAST.
  2. ALL CONCRETE WORK IS PERFORMED BY  
OTHERS.
  3. WORK THIS DWG WITH DWG. H-25004

DATE BY		REVISIONS	
<b>BECKTEL ASSOCIATES</b> <b>JOB 6511</b> <b>SOUTHERN SERVICES INC.</b> <b>FOR</b> <b>GEORGIA POWER CO., ATLANTA, GA</b> <b>GENERAL ENGINEERING DEPARTMENT</b> <b>EDWIN HATCH NUCLEAR PLANT UNIT NO 2</b> <b>REACTOR BUILDING</b> <b>REACTOR PRESSURE VESSEL PEDESTAL</b> <b>SECTIONAL PLANS AND SECTIONS</b>			
DRAWN BY CHECKED BY DESIGNED BY APPROVED BY	DATE SCALE SHEET NO. TOTAL SHEETS	PROJECT NO. DRAWING NUMBER LOCATION SHEET NO.	10-502, H25005

8/10/83

















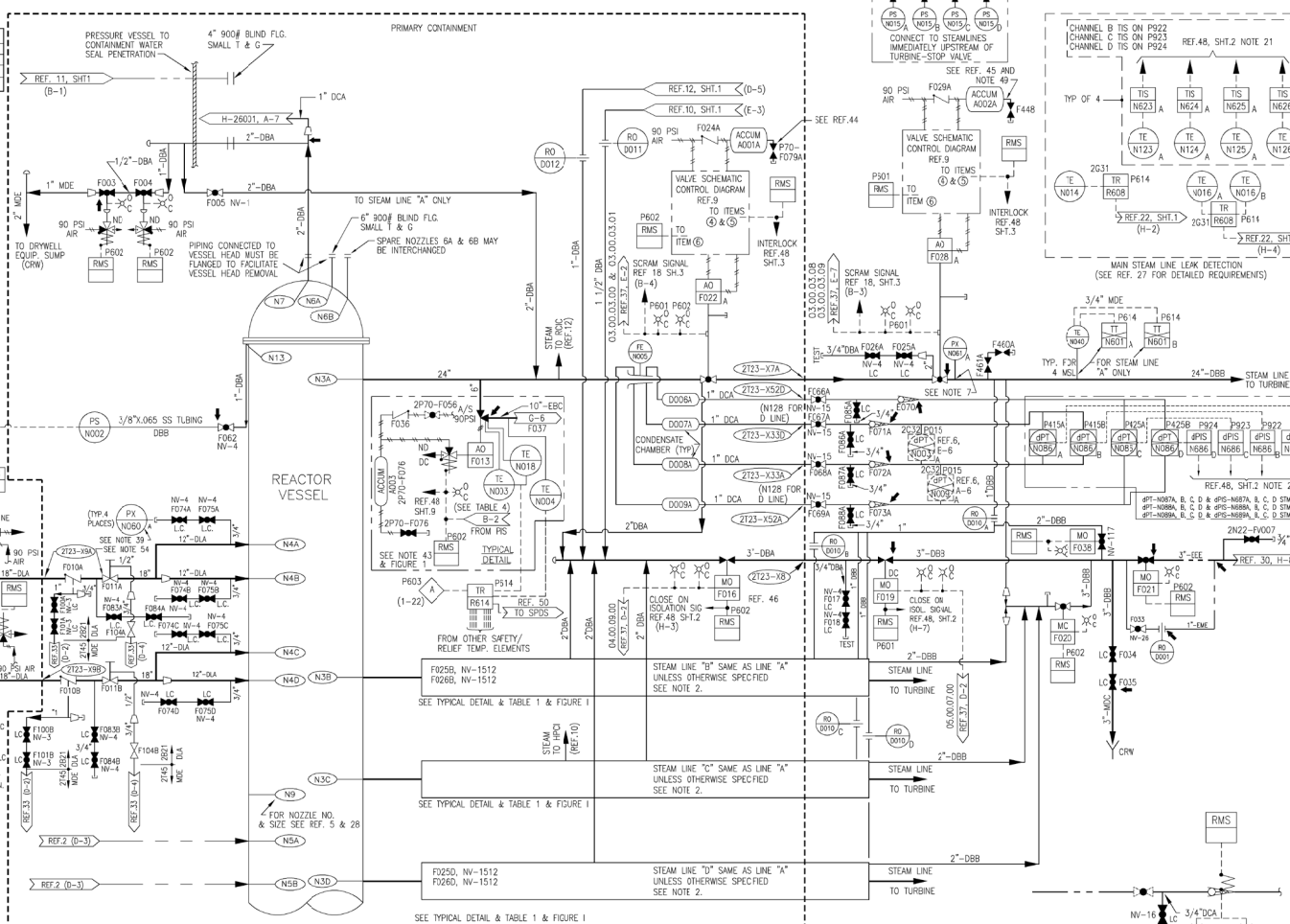
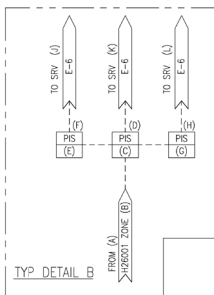
00092-H

## NOTES

1. FOR GENERAL NOTES - SEE DRAWING H-26189

TABLE 4 (FOR TYP DETAIL B)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(J)	(K)	(L)
N127A	B-5	N697A	P927	N697G	P927	N697L	P927	F013A	F013B	F013C
N127B	C-1	N697B	P928	N697H	P928	N697M	P928	F013D	F013E	F013F
N127C	F-2	N697C	P927	N697F	P927	N697E	P927	F013G	F013H	F013I
N127D	F-12	N697D	P928	N697M	P928	N697J	P928	F013M	F013N	F013O



WORK THIS DWG WITH H-26001 &amp; H-26189

## REFERENCES

- CONTROL ROD DRIVE HYDRAULIC SH 1 2011-1010 H-26006
- SPS PAID SH 2 2011-1010 H-26007
- CORE SPRAY SYSTEM PAID SH 1 2011-1010 H-26018
- REACTOR REGENERATION SH 2 2011-1010 H-26003
- SPS PAID SH 2 2011-1010 H-26004
- REACTOR VESSEL PURCHASE PART SH 1 2011-1010 H-26005
- FEEDWATER CONTROL SYSTEM IED 2012-1010 I-26991
- NEUTRON MONITORING SYS IED 2012-1010 I-26992
- STANDBY CONTROL SYS PAID 2012-1010 H-26008
- ISOLATION VALVE PURCH PART DWG 2012-1010 S-25012
- ISOLATION VALVE PURCH PART SH 1 2012-1010 H-26020
- ISOLATION VALVE PAID SH 1 2012-1010 H-26021
- RWR SYSTEM PAID SH 2 2011-1010 H-26014
- RDC SYSTEM PAID SH 1 2011-1010 H-26015
- HPDI SYSTEM FCD SH 1 2011-1010 H-26023
- DELETED SH 1 2011-1010 H-26024
- ISOLATION VALVE FCD SH 1-4 2011-1010 H-26100, 1-2 & 3
- DELETED
- CORE SPRAY SYSTEM FCD 2012-1010 S-26097
- REACTOR PROTECTION SYSTEM IED 2012-1010 H-26128
- PROCESS INSTRUMENT PIPING & TUBING 2012-1010 S-25013
- INSTALL. SPECIFICATION 2012-1010 S-25014
- PLANT REQUIREMENTS 2012-1010 S-25015
- REACTOR REGENERATION SYSTEM FCD 2012-1010 S-25016
- REACTOR WATER CLEANUP SH 1 2012-1010 H-26036
- SYSTEM PAID SH 2 2012-1010 H-26037
- PRESSURE INTEGRITY OF PIPING & EQUIPMENT PRESSURE PARTS 2012-1010 S-25017
- NUCLEAR BOILER SYSTEM PROCESS DIAG 2012-1010 S-25018
- NUCLEAR BOILER SYSTEM DESIGN SPEC 2012-1010 S-25019
- FEEDWATER CONTROL SYSTEM DESIGN SPEC 2012-1010 S-25020
- NUCLEAR BOILER LEAK DETECTION 2012-1010 S-25021
- REACTOR SYSTEM OUTLINE 2012-1010 S-25022
- ONDS & F.W. SYSTEM 2012-1010 H-26138
- TURBINE IED, MAIN AND RFP TURBINE DRAIN PAID 2012-1010 H-26139
- REACTOR SHUTDOWN SYS. IED SH 1-5 2012-1010 S-26846-50
- DELETED
- EQUIP. & VALVE DRAINAGE PAID 2012-1010 H-26077
- CLASS II ANALOG SIGNAL CONVERSION/ISOLATION SYS. IED 2012-1010 H-26284
- DELETED
- DELETED
- DIGITAL INPUT SIGNALS TO THE SPS/ISOLATION SYS. IED SH 1 2012-1010 H-26163
- NUCLEAR BOILER SYS. PAID SH 2 2012-1010 H-26001
- NUCLEAR BOILER SYS. PAID SH 3 2012-1010 H-26189
- POST ACCIDENT REACTOR COOLANT AND CONTAINMENT SYSTEM PAID SH 1 2012-1010 H-26070
- REACTOR ASSEMBLY SH 1 2012-1010 S-26820-25
- CLASS II DIVISION 1 SIGNAL CONVERSION/ISOLATION SYS. IED 2012-1010 H-26285
- CLASS II DIVISION 2 ANALOG SIGNAL CONVERSION/ISOLATION SYS. IED 2012-1010 H-26286
- DRYWELL PNEUMATIC SYS. 2012-1010 H-26071
- REACTOR BUS NORTH SIDE NON-INTERMITTIBLE INSTRUMENT AIR 2012-1010 S-43984
- PENETRATION 4-8 22\"/>

THIS DWG. DEVELOPED FROM G.E. DWG. NO. 761E250BA REV. LTR SH 1

VALVES ON THIS DWG. ARE NUMBERED F0001 THRU F0020 FOR DRAIN VALVES. F0001 THRU F0020 FOR VENT VALVES.

## CRITICAL DOCUMENT

MPL NO. 2B21-1010

ACAD2000 H26000

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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
NUCLEAR BOILER SYSTEM P&ID  
SHEET 1

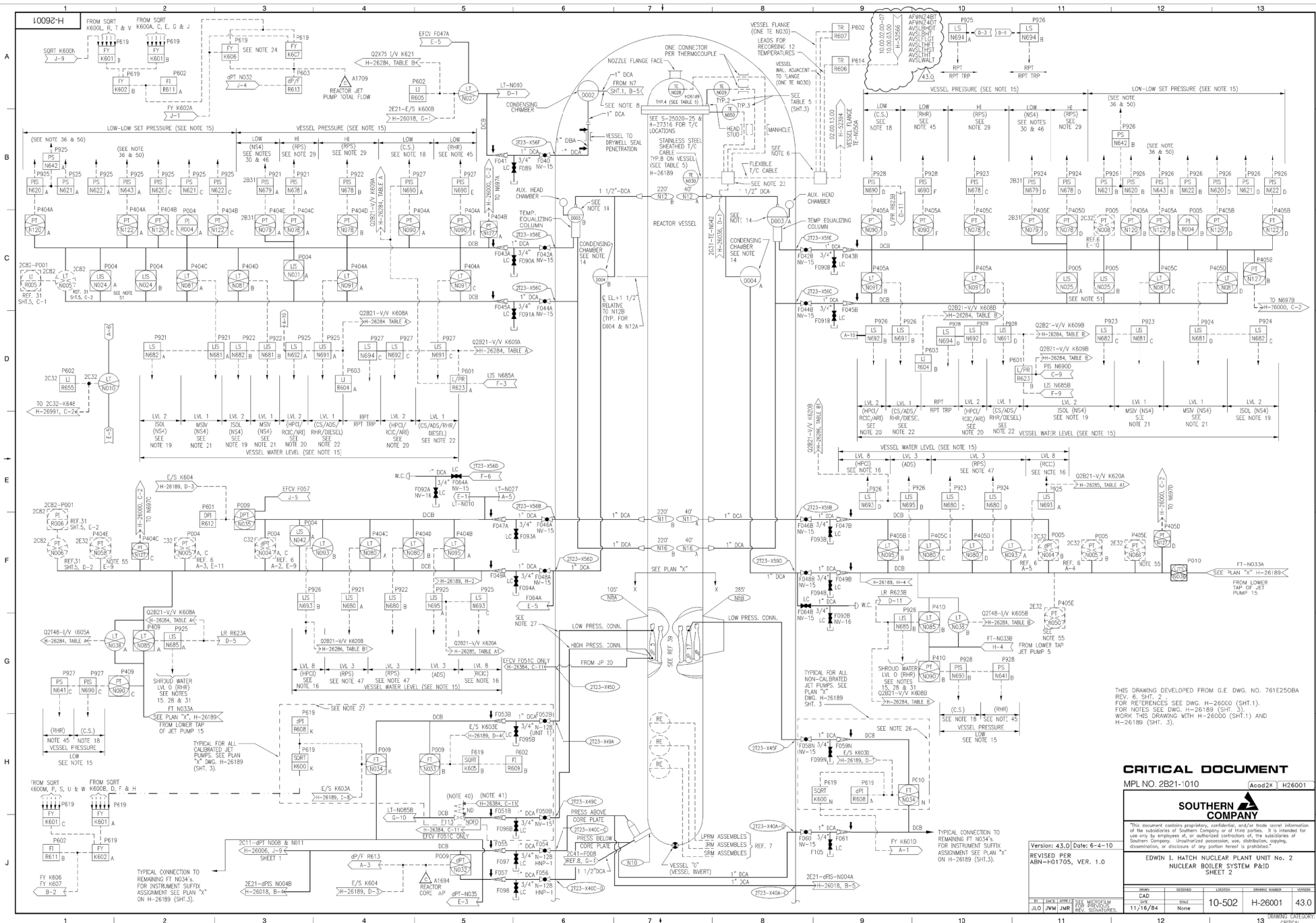
Version: 54.0 Date: 3/27/15

REVISED PER:  
SNC42933J014, VER 1.0

DATE	BY	CHKD	APPD.	REVISION	LOCATION	DESCRIPTION	REVISION
WJB	SSG						
11-11-72	None						

10-502 H-26000 54.0

DRAWING CATEGORY: CRITICAL



THIS DRAWING DEVELOPED FROM G.E. DWG. NO. 761E250BA  
REV. 6, SHT. 2  
FOR RETIREMENT, SEE DWG. H-26000 (SHT.1).  
FOR NOTES SEE DWG. H-26189 (SHT. 3).  
WORK THIS DRAWING WITH H-26000 (SHT.1) AND  
H-26189 (SHT. 3).

# CRITICAL DOCUMENT

MPL NO. 2B21-010 Acad2k H26001



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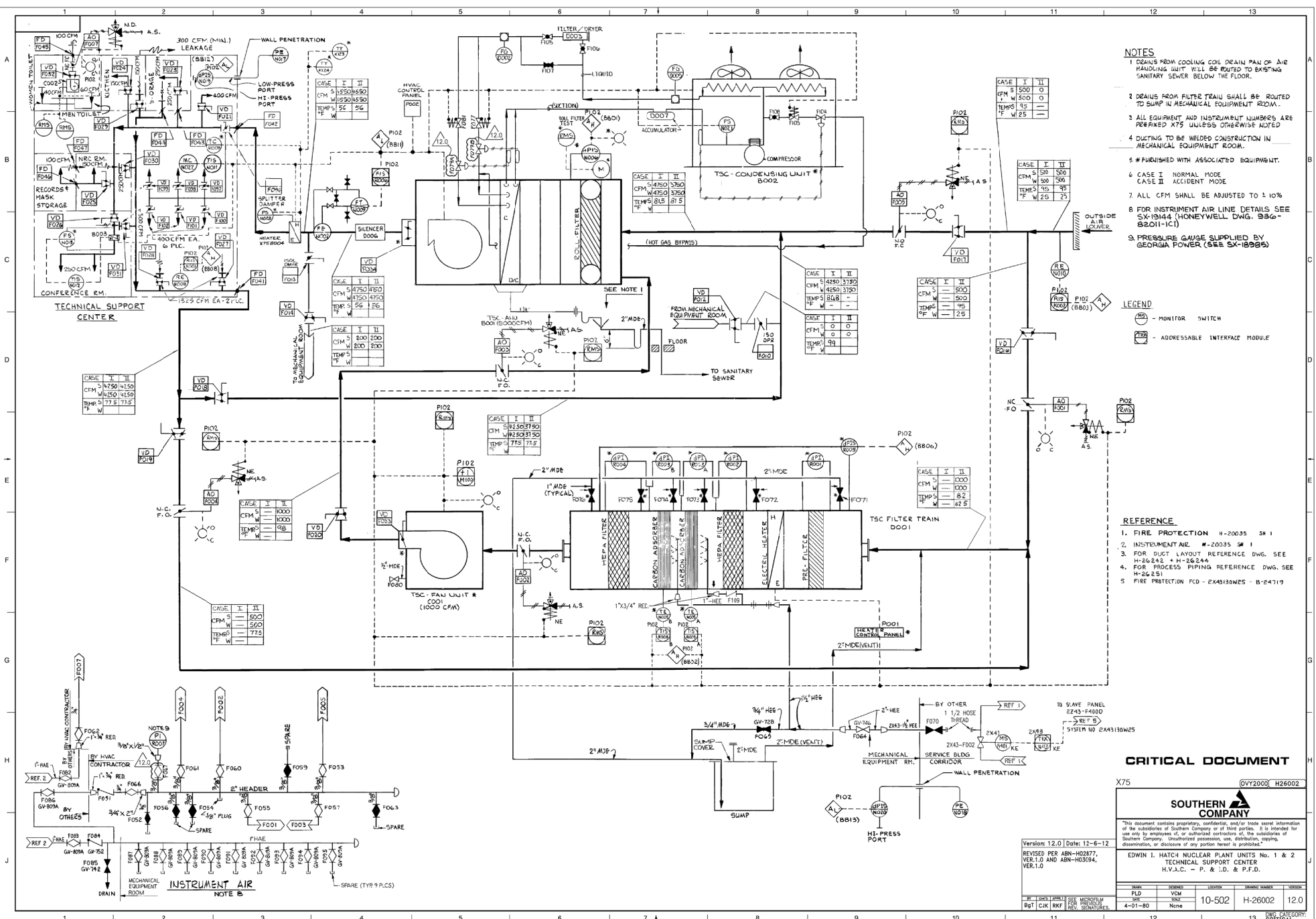
EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
NUCLEAR BOILER SYSTEM P&ID  
SHEET 2

Version: 43.0 Date: 6-4-10  
REVISED PER  
ABN-01705, VER. 1.0

NO.	DATE	BY	CHKD	REV.	DESCRIPTION
1	11/16/84	JLD	JMW	1	INITIAL DESIGN

10-502 H-26001 43.0

DRAWING CATEGORY: CRITICAL





80092-H

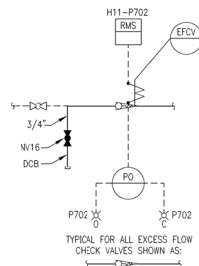


FIGURE-1

SEE REF. 1 FOR OTHER  
PIPING CONNECTED TO  
VESSEL

REACTOR VESSEL

REACTOR VESSEL

REACTOR VESSEL

REACTOR VESSEL

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REACTOR VESSEL

REFERENCES	MPL No.	ISS. No.
1. NUCLEAR BOILER SYSTEM P&ID	H-52394	4-26189
2. DELETED	2801-1010	4-26000-1
3. DELETED		
4. FURNACE CONTROL SYSTEM I&D	2830-1010	4-26000-3
5. NEUTRON MONITORING SYSTEM I&D	2831-1010	4-26000-3
6. REACTOR RECIRCULATION SYSTEM P&ID	2831-1010	4-26000-3
7. REACTOR RECIRCULATION SYSTEM DES. SPEC.	2831-1010	4-26000-3
8. RESIDUAL HEAT REMOVAL SYSTEM P&ID	2831-1010	4-26000-3
9. REACTOR RECIRCULATION SYSTEM P&ID	2831-1010	4-26000-3
10. REACTOR WATER CLEAN-UP SYSTEM P&ID	2831-1010	4-26000-3
11. CHD SYSTEM P&ID	2831-1010	4-26000-3
12. PRESSURE INTEGRITY OF PIPING AND EQUIP.	2831-1010	4-26000-3
13. PRESSURE INTEGRITY OF PIPING AND EQUIP.	2831-1010	4-26000-3
14. INCHWATER SYSTEM P&ID	2831-1010	4-26000-3
15. CHD SYSTEM P&ID	2831-1010	4-26000-3
16. REACTOR RECIRCULATION SYSTEM P&ID	2831-1010	4-26000-3
17. SAMPLING SYS. P&ID & P.T.D.	2831-1010	4-26000-3
18. ANNUNCIATOR SIGNALS TO T.S.C. I&D.	2831-1010	4-26000-3
19. DELETED		
20. DIGITAL INPUT SIGNALS TO THE SPDS/REF. COMPUTER SYSTEM I&D. SHEET 1 OF 15	2831-1010	4-26000-3
21. P&ID - H.W.C. SYSTEM - ELECTROCHEMICAL POTENTIAL SYSTEM	2831-1010	4-26000-3
22. SPDS/REF. I/O LIST	2831-1010	4-26000-3
23. NUCLEAR BOILER SYSTEM LOGIC DIAGRAM	2831-1010	4-26000-3
24. DE. ELEMENTARY DIAGRAM-MARK V I/O	2831-1010	4-26000-3

NOTES	ISS. No.
1. ALL EQUIPMENT AND INSTRUMENTS ARE PREVIEWED BY SYSTEM NO. 2831 UNLESS OTHERWISE NOTED.	4-26000-1
2. REACTOR VESSEL ENCLOSED IN BAY SHALL HAVE PART NUMBERS CORRESPONDING TO ITS RESPECTIVE LINE OR LOOP NUMBER UNLESS OTHERWISE NOTED.	
3. INSTRUMENT LINE VALUING MUST COMPLY WITH INSTRUMENT PIPING STANDARDS REF. 13.	
4. DELETED	
5. WHERE OI-NUMBERS ARE USED, THE VALVES WILL BE TAGGED WITH THESE NUMBERS. WHERE OI-NUMBERS ARE NOT USED, THE VALVES WILL BE TAGGED WITH THE MPL NUMBERS.	
6. CLOSED COOLING WATER SYSTEM TO AND FROM THE REACTOR PUMP SHALL BE CAPABLE OF CONTINUOUS OPERATION DURING PERIODS OF BRYNELL ISOLATION.	
7. WHERE THERMOCOUPLES FOR PUMP & MOTORS ARE DESIGNATED H <sub>1</sub> , A <sub>1</sub> , E <sub>1</sub> , E <sub>2</sub> IS A SPARE ELDER.	
8. LIST OF PUMP & MOTOR AUXILIARY INSTRUMENTATION	
TE/H <sub>1</sub> , A <sub>1</sub> - THRUST BEARING, UPPER FACE	
TE/B <sub>1</sub> , B <sub>2</sub> - THRUST BEARING, LOWER FACE	
TE/C <sub>1</sub> , C <sub>2</sub> - UPPER COOLING BEARING	
TE/D <sub>1</sub> , D <sub>2</sub> - MOTOR VIBRATING "A"	
TE/E <sub>1</sub> , E <sub>2</sub> - MOTOR VIBRATING "B"	
TE/F <sub>1</sub> , F <sub>2</sub> - MOTOR VIBRATING "C"	
TE/G <sub>1</sub> , G <sub>2</sub> - LOWER COOLING BEARING	
TE/H <sub>1</sub> , H <sub>2</sub> - No. 2 SEAL CAVITY	
TE/I <sub>1</sub> , I <sub>2</sub> - No. 1 SEAL CAVITY	
TE/J <sub>1</sub> , J <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/K <sub>1</sub> , K <sub>2</sub> - SEAL CAVITY COOLING WATER DISCHARGE	
TE/L <sub>1</sub> , L <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/M <sub>1</sub> , M <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/N <sub>1</sub> , N <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/O <sub>1</sub> , O <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/P <sub>1</sub> , P <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/Q <sub>1</sub> , Q <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/R <sub>1</sub> , R <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/S <sub>1</sub> , S <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/T <sub>1</sub> , T <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/U <sub>1</sub> , U <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/V <sub>1</sub> , V <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/W <sub>1</sub> , W <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/X <sub>1</sub> , X <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/Y <sub>1</sub> , Y <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	
TE/Z <sub>1</sub> , Z <sub>2</sub> - MOTOR BEARING OIL COOLING WATER DISCHARGE	

## CRITICAL DOCUMENT

MPL No. 2831-1010 ACAD2004 H26003

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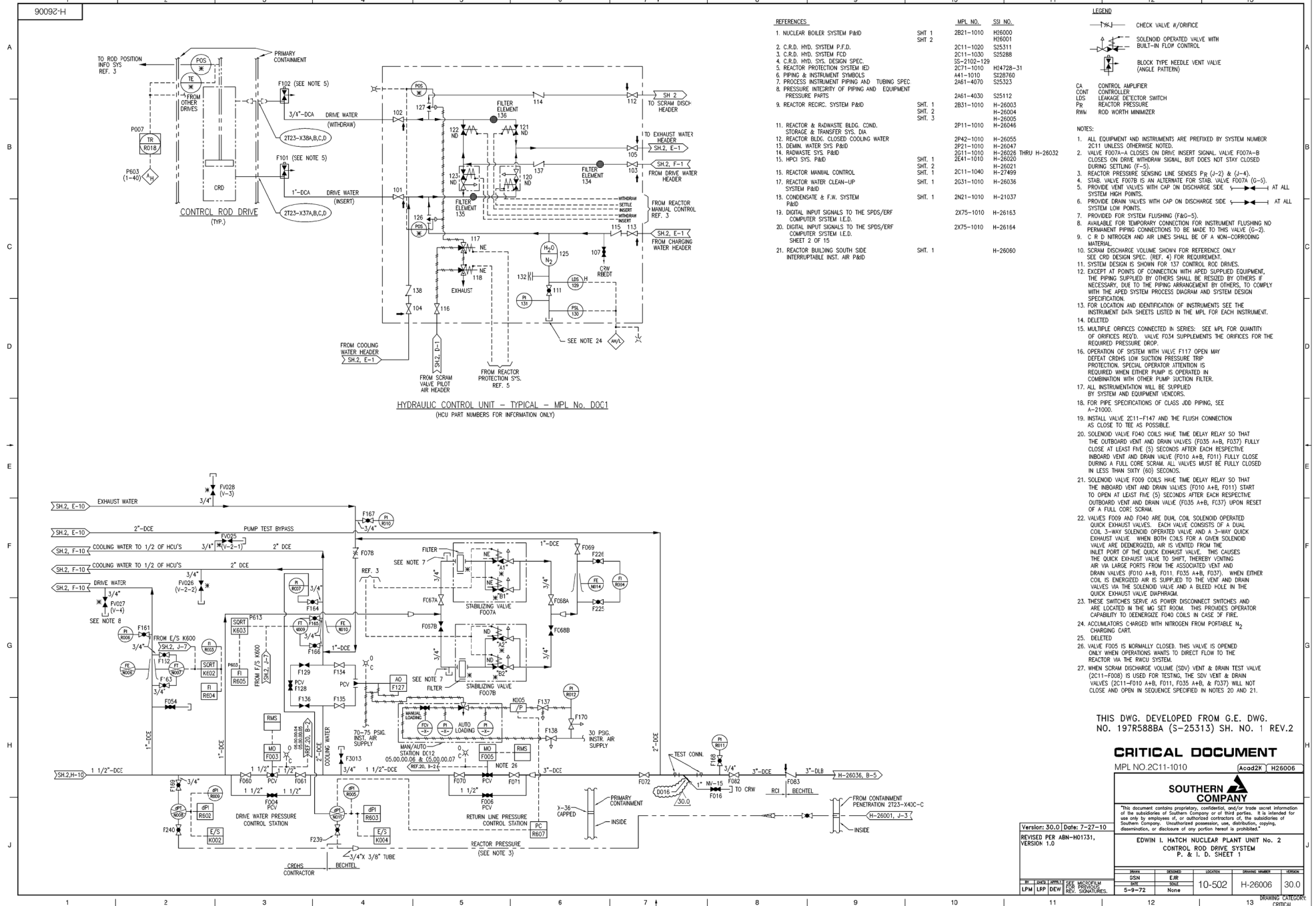
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EDWIN I. HATCH NUCLEAR PLANT UNIT No.2  
REACTOR RECIRCULATION SYSTEM P&ID  
SHEET No. 1

Version: 43.0 Date: 3-8-12  
REVISED PER  
ABN-H02676, VER.1.0

NO.	DATE	APPROVED	REVISION	LOCATION	DESCRIPTION	REVISION
1	1-19-72	JJB	LCF AAN	None	10-502	H-26003 43.0

13 DRAWING CATEGORY: CRITICAL



THIS DWG. DEVELOPED FROM G.E. DWG.  
NO. 197R588BA (S-25313) SH. NO. 1 REV.2

**CRITICAL DOCUMENT**

MPL NO.2C11-1010

Acad2K H26006

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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
CONTROL ROD DRIVE SYSTEM  
P. & I. D. SHEET 1

Drawn	DESIGNED	LOCATION	DRAWING NUMBER	VERSION
GSN	EJR	10-502	H-26006	30.0
DATE	SCALE			
5-9-72	None			

INVESTIGATING CATEGORY:  
CRITICAL

0092-H

A

B

C

D

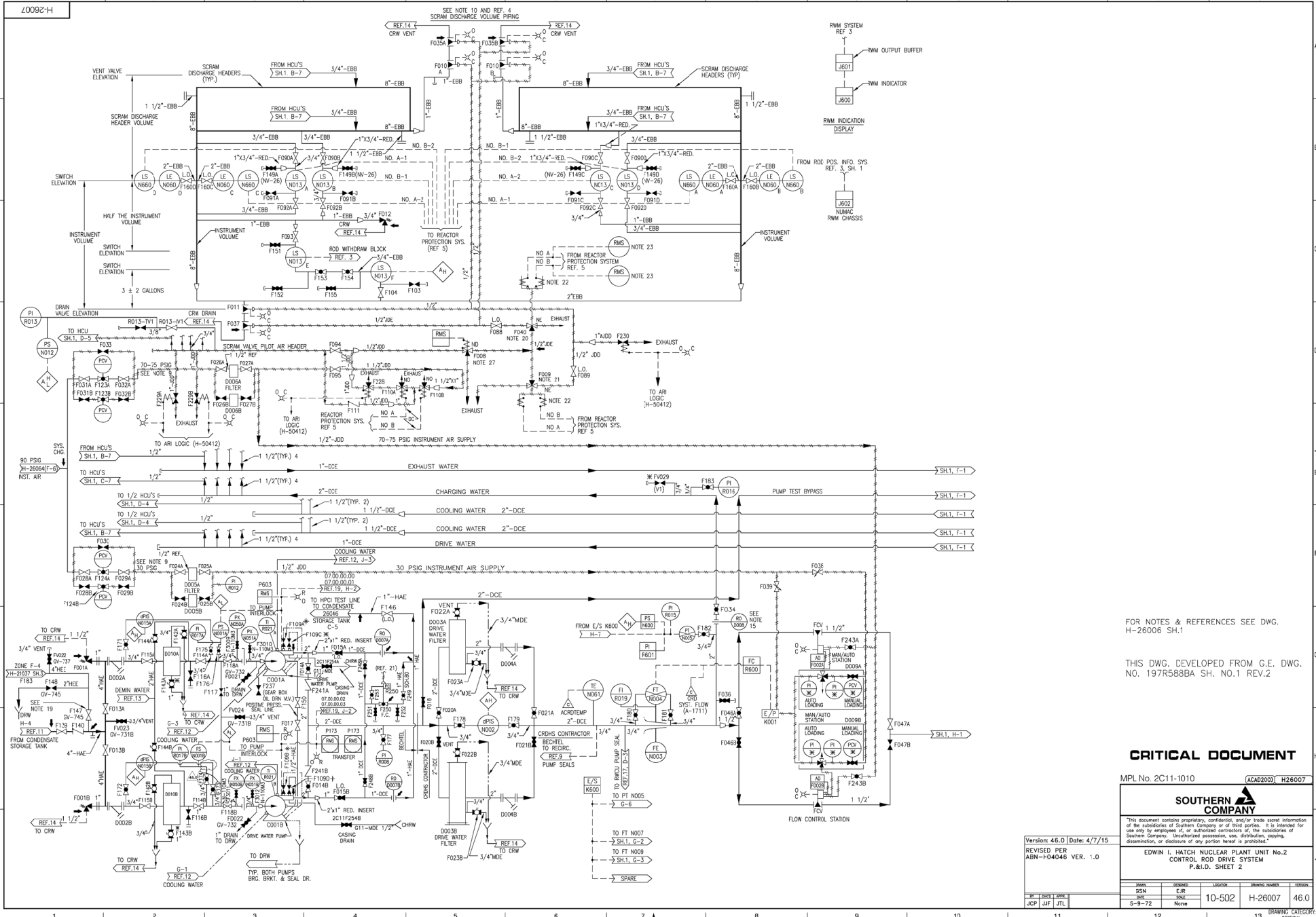
E

F

G

H

J



FOR NOTES & REFERENCES SEE DWG. H-26006 SH.1

THIS DWG. DEVELOPED FROM G.E. DWG. NO. 197R588BA SH. NO.1 REV.2

# CRITICAL DOCUMENT

MPL No. 2C11-1010 ACAD2000 H26007



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EDWIN I. HATCH NUCLEAR PLANT UNIT No.2  
CONTROL ROD DRIVE SYSTEM  
P&ID, SHEET 2

Version: 46.0 Date: 4/7/15  
REVISED PER ARN-104046 VER. 1.0

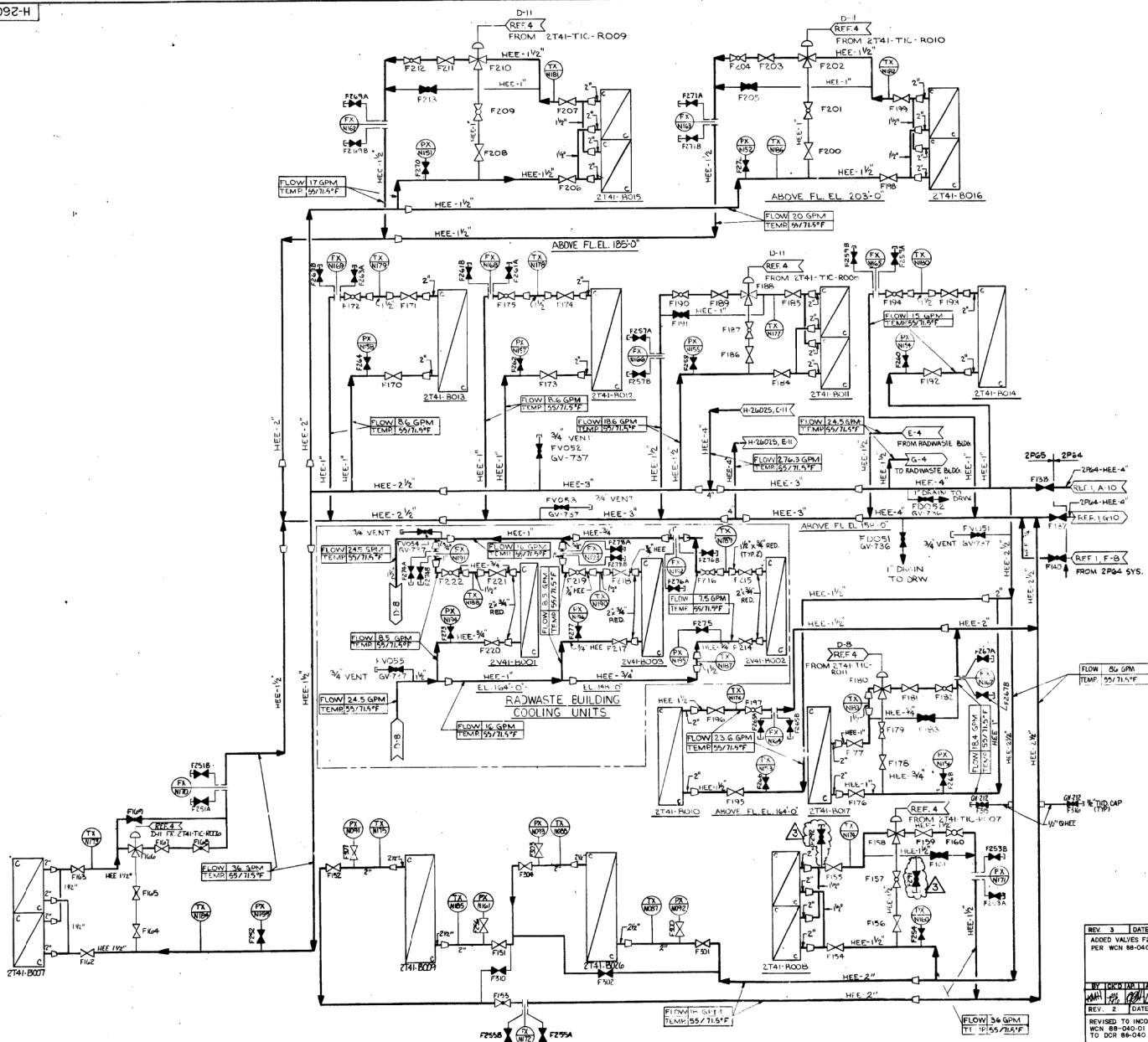
DATE	REVISION	LOCATION	ISSUED NUMBER	ISSUED
02/01/00	1	None	10-502	46.0
05-9-72	None			

DRAWING CATEGORY: CRITICAL

H-26008

NOTES

1. FOR NOTES AND REFERENCES REFER TO SHEET:  
DWG. H-26025.
2. VALVES ON THIS DRAWING ARE NUMBERED:  
F0051, F0052 THRU F0099 FOR DRAIN VALVE.  
FV051 THRU FV055 FOR VENT VALVE.
- SEE NOTE: 3 ON DWG. 26025



LVN: F222  
LVN: FV055  
LVN: FD052 } SEE NOTE: 2

CRITICAL DOCUMENT  
MPL NO. 2P65-1010

**BECHTEL**  
JOB 8511      GAITHERSBURG, MARYLAND  
**SOUTHERN SERVICES INC.**  
FOR

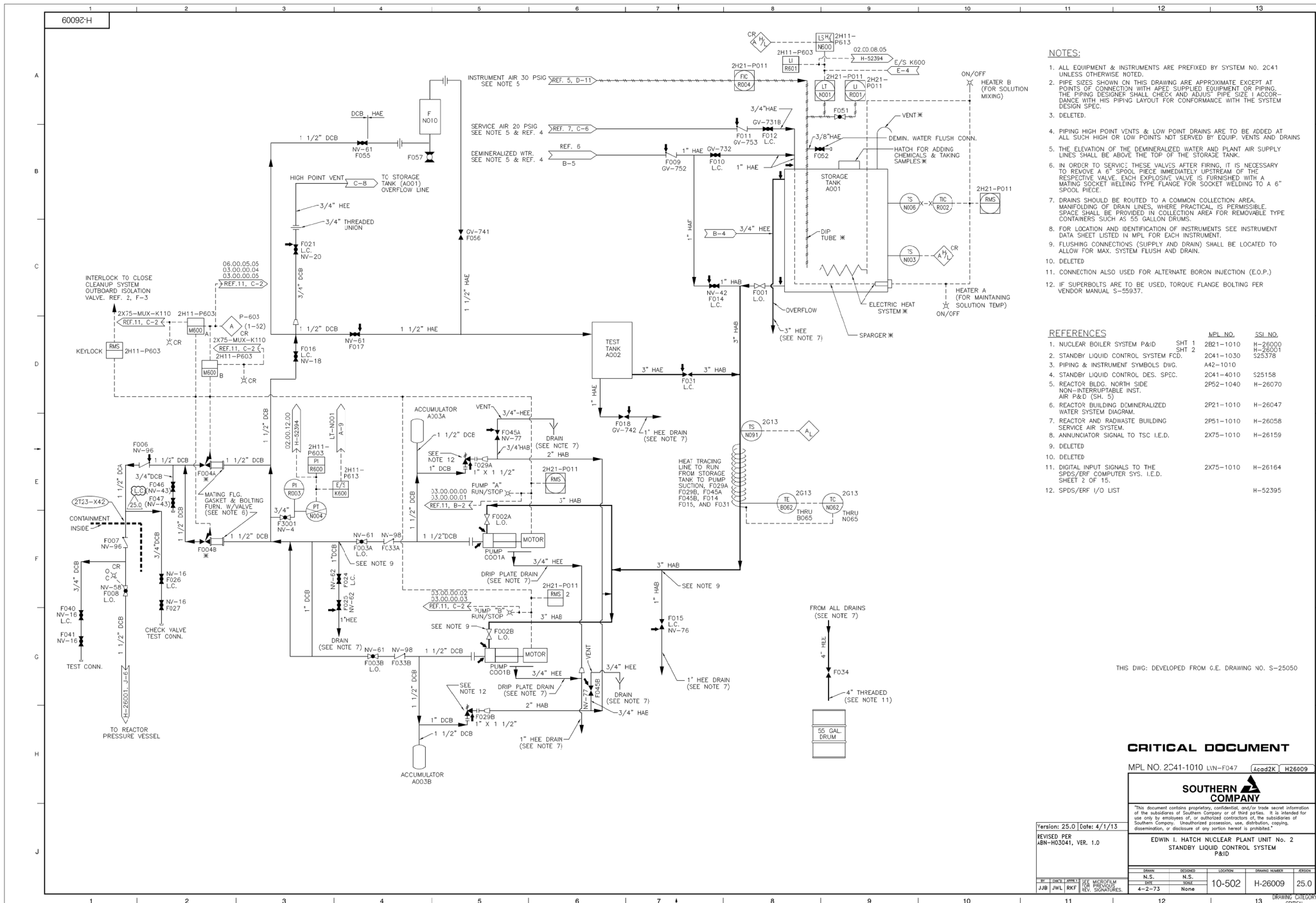
GEORGIA POWER CO., ATLANTA, GA.  
GENERAL ENGINEERING DEPARTMENT  
EDWIN L. HATCH NUCLEAR PLANT UNIT NO. 2  
REACTOR & RADWASTE BUILDING  
CHILLED WATER SYSTEM P&ID & PFD SHT. 2

NO.	DATE	BY	APPROVAL	APPROVE	Design	Scale	CHK.
					VCM	F.L.D	LKM
					SCALE		DATE
					NCNE	12-17-79	
					DRAWING NUMBER		
					LOCATION	SHEET NO.	
					10-502	H-26008	

REV. 3	DATE	6/19/91			
ADDED VALVES F291 AND F292 PER WCN 88-040-03					
BY	CHK'D	APR	APR	APR	APR
WCH	WCH	WCH	WCH	WCH	WCH
REV. 2	DATE	5-31-91			
REVISED TO INCORPORATE WCN 88-040-01 IN RESPONSE TO DCR 88-040.					
BY	CHK'D	APR	APR	APR	APR
WCH	WCH	WCH	WCH	WCH	WCH

REV. 1	DATE 5-1-8
ADDED VALVES PER ABN 87-129 SUP O NO DCR	

REACTOR BUILDING COOLING UNITS



- NOTES:**
1. ALL EQUIPMENT & INSTRUMENTS ARE PREFIXED BY SYSTEM NO. 2C41 UNLESS OTHERWISE NOTED.
  2. PIPE SIZES SHOWN ON THIS DRAWING ARE APPROXIMATE EXCEPT AT POINTS OF CONNECTION WITH AREP SUPPLIED EQUIPMENT OR PIPING. THE PIPING DESIGNER SHALL CHECK AND ADJUST PIPE SIZE IN ACCORDANCE WITH HIS PIPING LAYOUT FOR CONFORMANCE WITH THE SYSTEM DESIGN SPEC.
  3. DELETED.
  4. PIPING HIGH POINT VENTS & LOW POINT DRAINS ARE TO BE ADDED AT ALL SUCH HIGH OR LOW POINTS NOT SERVED BY EQUIP. VENTS AND DRAINS.
  5. THE ELEVATION OF THE DEMINERALIZED WATER AND PLANT AIR SUPPLY LINES SHALL BE ABOVE THE TOP OF THE STORAGE TANK.
  6. IN ORDER TO SERVICE THESE VALVES AFTER FIRING, IT IS NECESSARY TO REMOVE A 6" SPOOL PIECE IMMEDIATELY UPSTREAM OF THE RESPECTIVE VALVE. EACH EXPLOSIVE VALVE IS FURNISHED WITH A MATING SOCKET WELDING TYPE FLANGE FOR SOCKET WELDING TO A 6" SPOOL PIECE.
  7. DRAINS SHOULD BE ROUTED TO A COMMON COLLECTION AREA. MANIFOLDING OF DRAIN LINES, WHERE PRACTICAL, IS PERMISSIBLE. SPACE SHALL BE PROVIDED IN COLLECTION AREA FOR REMOVABLE TYPE CONTAINERS SUCH AS 55 GALLON DRUMS.
  8. FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE INSTRUMENT DATA SHEET LISTED IN MPL FOR EACH INSTRUMENT.
  9. FLUSHING CONNECTIONS (SUPPLY AND DRAIN) SHALL BE LOCATED TO ALLOW FOR MAX. SYSTEM FLUSH AND DRAIN.
  10. DELETED.
  11. CONNECTION ALSO USED FOR ALTERNATE BORON INJECTION (E.O.P.).
  12. IF SUPERBOLTS ARE TO BE USED, TORQUE FLANGE BOLTING PER VENDOR MANUAL S-5937.

- REFERENCES**
- |     |   | SHT   | MPL NO.   | SSL NO. |
|-----|---|-------|-----------|---------|
| 1.  | NUCLEAR BOILER SYSTEM P&ID  | SHT 1 | 2B21-1010 | H-26000 |
| 2.  | STANDBY LIQUID CONTROL SYSTEM FCD   | SHT 2 | 2C41-1030 | S25378  |
| 3.  | PIPING & INSTRUMENT SYMBOLS DWG.  |       | A42-1010  |         |
| 4.  | STANDBY LIQUID CONTROL DES. SPEC.   |       | 2C41-4010 | S25158  |
| 5.  | REACTOR BLDG. NORTH SIDE NON-INTERRUPTIBLE INST. AIR P&ID (SH. 5)         |       | 2P52-1040 | H-26070 |
| 6.  | REACTOR BUILDING DEMINERALIZED WATER SYSTEM DIAGRAM                       |       | 2P21-1010 | H-26047 |
| 7.  | REACTOR AND RADWASTE BUILDING SERVICE AIR SYSTEM                          |       | 2P51-1010 | H-26058 |
| 8.  | ANNUNCIATOR SIGNAL TO TSC I.E.D.  |       | 2X75-1010 | H-26159 |
| 9.  | DELETED   |       |           |         |
| 10. | DELETED   |       |           |         |
| 11. | DIGITAL INPUT SIGNALS TO THE SPDS/ERR COMPUTER SYS. I.E.D. SHEET 2 OF 15. |       | 2X75-1010 | H-26164 |
| 12. | SPDS/ERR I/O LIST   |       |           | H-52395 |

THIS DWG. DEVELOPED FROM G.E. DRAWING NO. S-25050

## CRITICAL DOCUMENT

MPL NO. 2C41-1010 LWN-F047 Acad2K H26009



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Version: 25.0 Date: 4/1/13

REVISED PER ABN-H03041, VER. 1.0

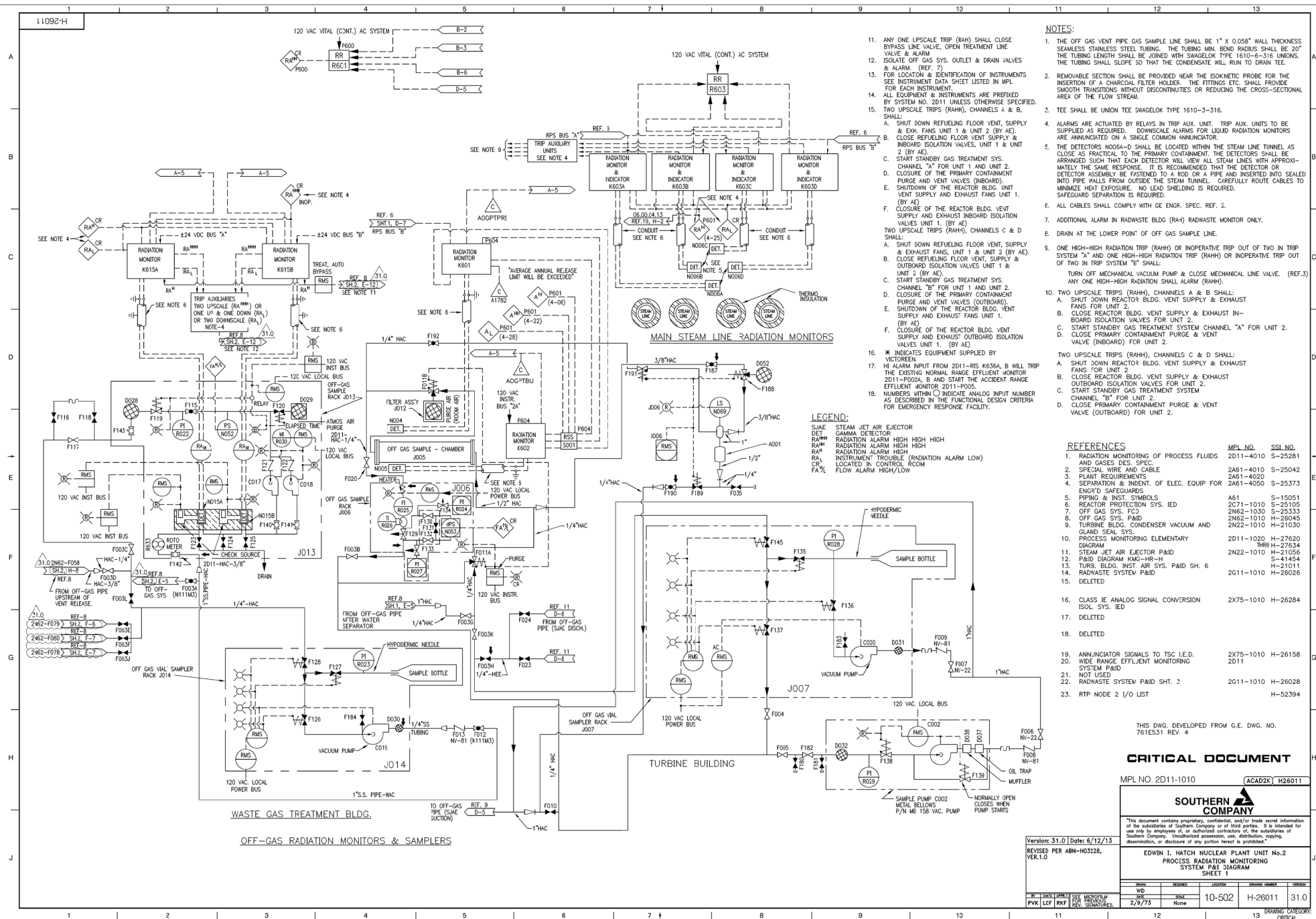
EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
STANDBY LIQUID CONTROL SYSTEM  
P&ID

BY	CHK'D	APP'D	DATE	LOCATION	SHRINK NUMBER	REVISION
JJB	JWL	RKF	4-2-73	None	10-502	H-26009 25.0

SEE MICROFILM FOR PREVIOUS EDITIONS

DRAWING CATEGORY: CRITICAL





THIS DWG. DEVELOPED FROM G.E. DWG. NO.  
761E531 REV. 4

**CRITICAL DOCUMENT**

MPL NO. 2D11-1010

ACAD2K H26011

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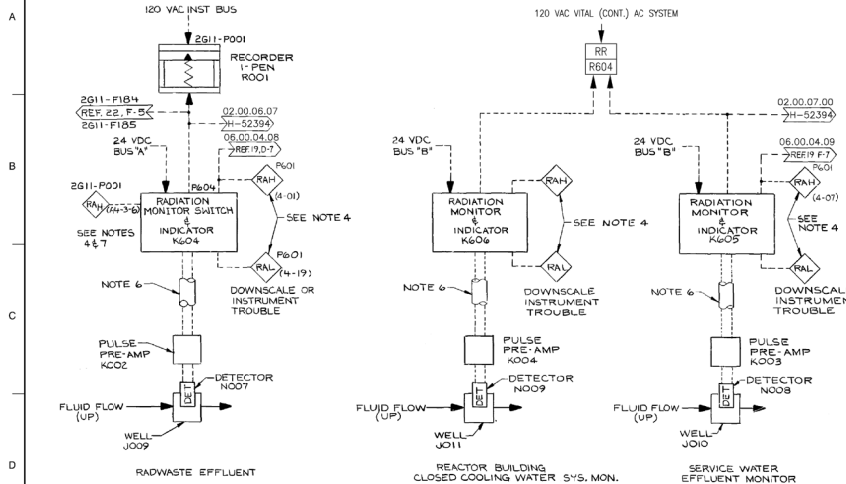
Version: 31.0	Date: 6/12/13
REVISED PER ABN-H03228, VER.1.0	

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2  
PROCESS RADIATION MONITORING  
SYSTEM P&I DIAGRAM  
SHEET 1

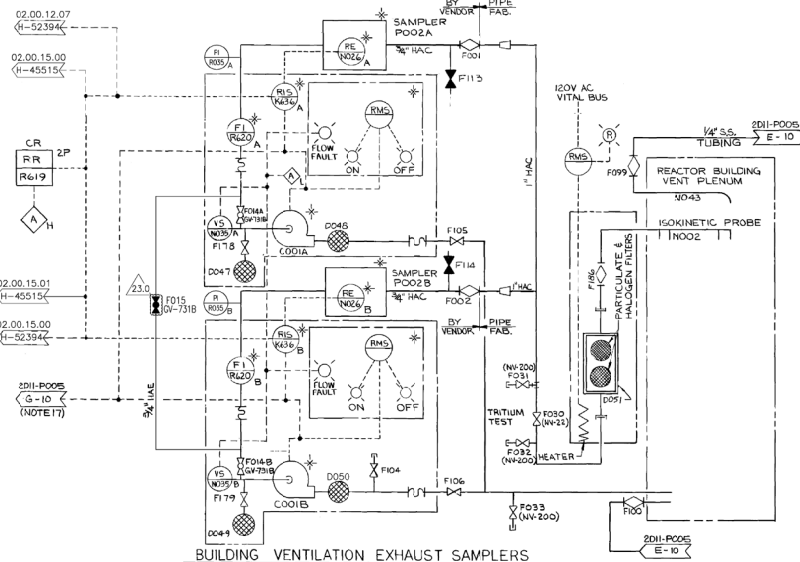
				WD		10-502	H-26011	31.0
SEE MICROFILM FOR PREVIOUS REV. SIGNATURES.				DATE				
				None				
BY	CHK'D	APPROV'D						
PVK	LCF	RKF						
11				12		13		
						DRAWING CATEGORY CRITICAL		



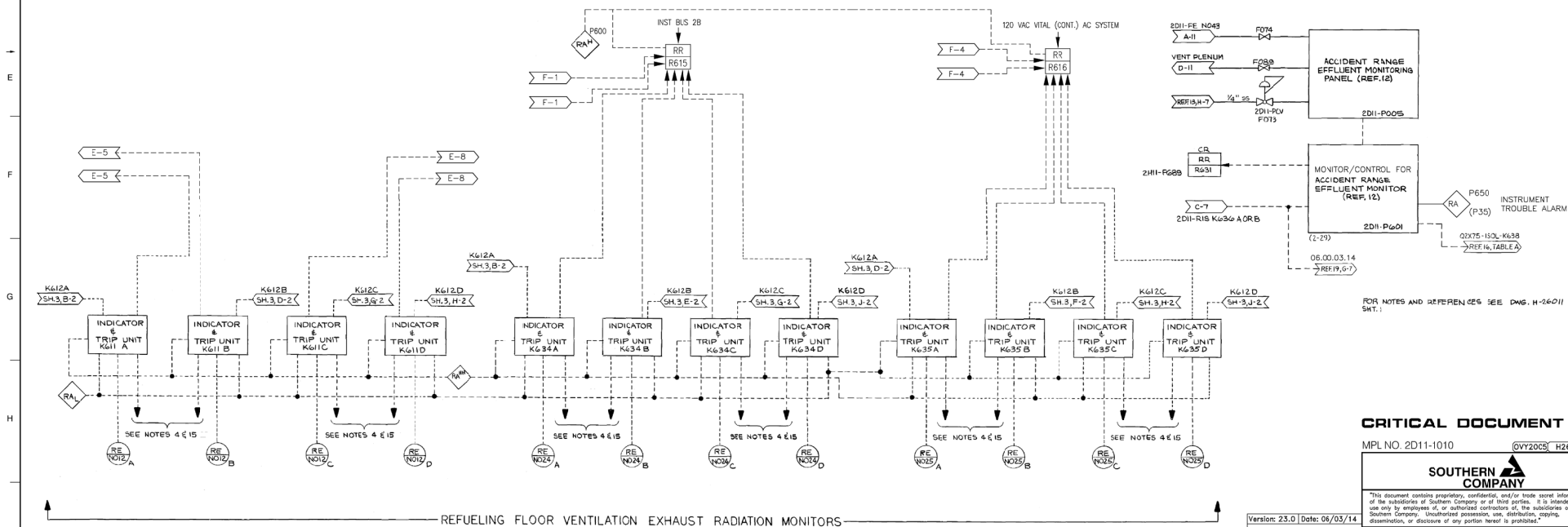
Z1092-H



LIQUID PROCESS RADIATION MONITORS



BUILDING VENTILATION EXHAUST SAMPLERS



REFUELING FLOOR VENTILATION EXHAUST RADIATION MONITORS

CRITICAL DOCUMENT

MPL NO. 2D11-1010

0VY2005 H26012

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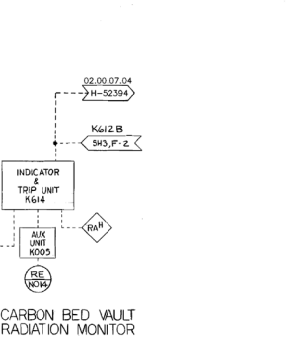
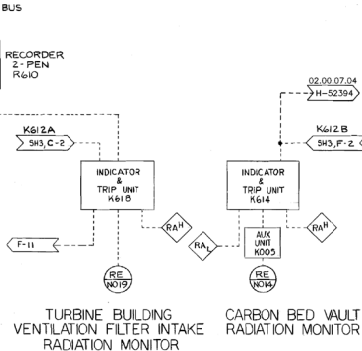
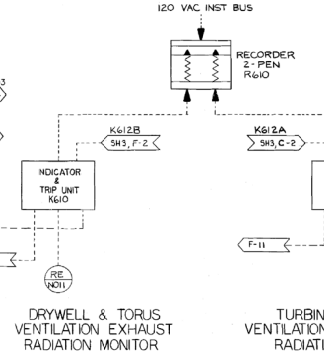
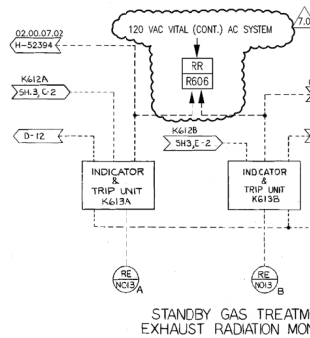
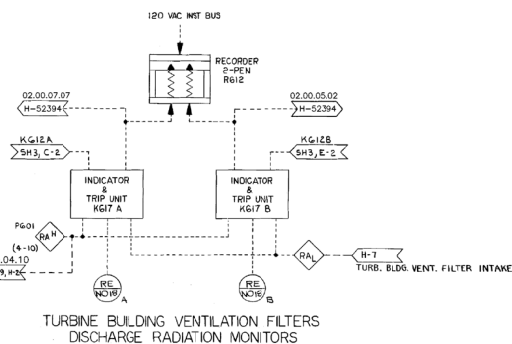
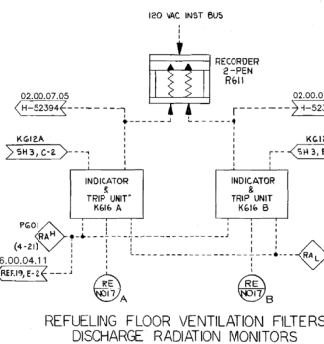
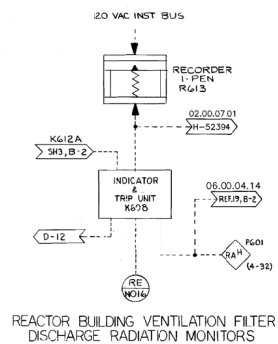
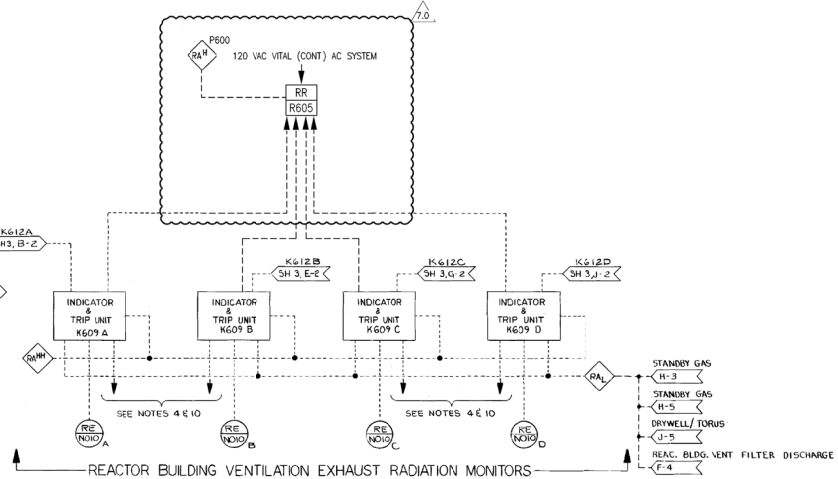
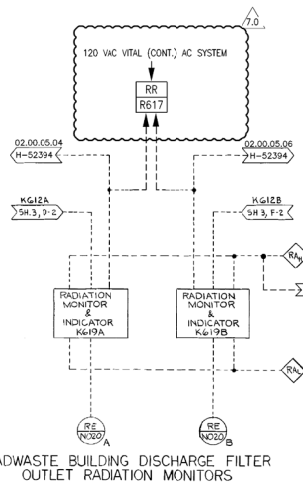
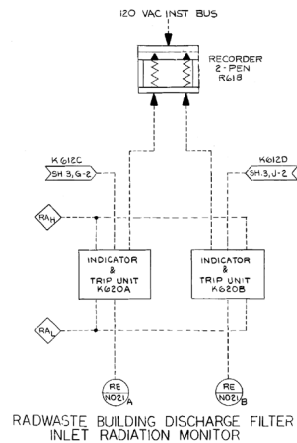
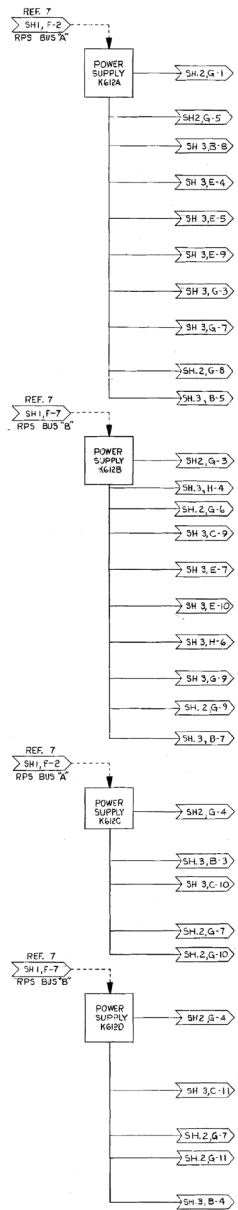
EDWIN I. HATCH NUCLEAR PLANT UNIT No.2  
PROCESS RADIATION MONITORING  
SYSTEM I.E.D.  
SHEET 2

Version: 23.0 Date: 06/03/14  
REVISED PER ABN-H03445,  
VER. 1.0

DATE	BY	REASON	REVISION	REVISION
2-06-73	None	None	10-502	23.0

DRAWING CATEGORY  
CRITICAL

E1092-H



FOR NOTES AND REFERENCES SEE DWG H-23011

CRITICAL DOCUMENT

MPL NO. 2D11-1010

QVY2005 H26013

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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
PROCESS RADIATION MONITORING  
SYSTEM I.E.D.  
SHEET 3

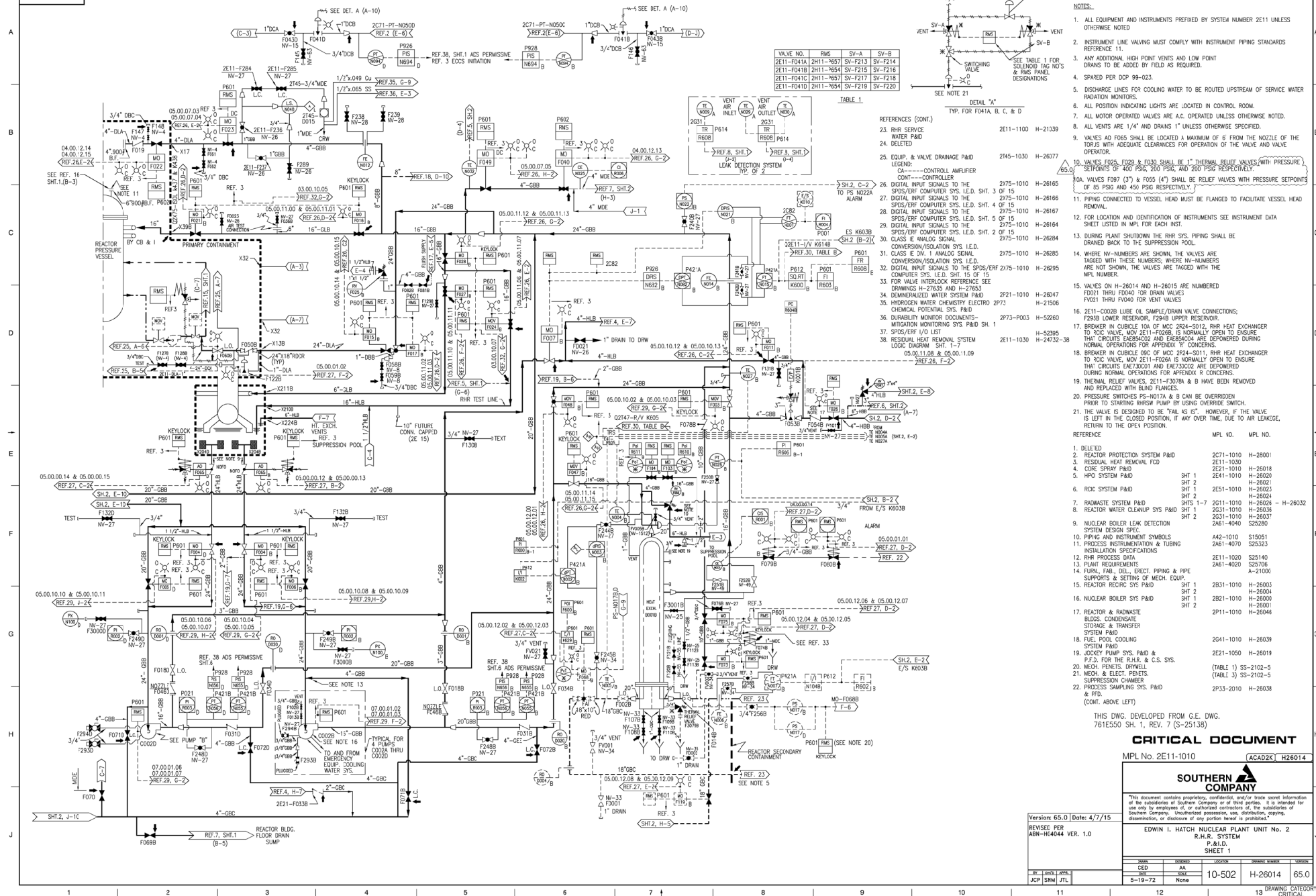
Version: 7.0 | Date: 10-15-08  
REVISED PER ABN  
2051453501.0013, VER. 1.0

NO. DATE AREA SEE MICROFILM FOR SIGNATURES  
KB ELC JMR

10-502 H-26013 7.0

CRITICAL

1092-H



- NOTES:**
- ALL EQUIPMENT AND INSTRUMENTS PREFIXED BY SYSTEM NUMBER 2E11 UNLESS OTHERWISE NOTED
  - INSTRUMENT LINE VALVING MUST COMPLY WITH INSTRUMENT PIPING STANDARDS REFERENCE 11.
  - ANY ADDITIONAL HIGH POINT VENTS AND LOW POINT DRAINS TO BE ADDED BY FIELD AS REQUIRED.
  - SPARED PER DCP 99-023.
  - DISCHARGE LINES FOR COOLING WATER TO BE ROUTED UPSTREAM OF SERVICE WATER RADIATION MONITORS.
  - ALL POSITION INDICATING VALVES ARE LOCATED IN CONTROL ROOM.
  - ALL MOTOR OPERATED VALVES ARE A.C. OPERATED UNLESS OTHERWISE NOTED.
  - ALL VENTS ARE 1/4" AND DRAINS 1" UNLESS OTHERWISE SPECIFIED.
  - VALVES AND FDS SHALL BE LOCATED A MAXIMUM OF 6' FROM THE NOZZLE OF THE TUBES WITH ADEQUATE CLEARANCES FOR OPERATION OF THE VALVE AND VALVE OPERATOR.
  - VALVES F007, F028 & F030 SHALL BE 1" THERMAL RELIEF VALVES (WITH PRESSURE SETPOINTS OF 400 PSIG, 200 PSIG, AND 200 PSIG RESPECTIVELY).
  - VALVES F007 (3") & F055 (4") SHALL BE RELIEF VALVES WITH PRESSURE SETPOINTS OF 85 PSIG AND 450 PSIG RESPECTIVELY.
  - PIPING CONNECTED TO VESSEL HEAD MUST BE FLANGED TO FACILITATE VESSEL HEAD REMOVAL.
  - FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE INSTRUMENT DATA SHEET LISTED IN P&ID FOR EACH INSTRUMENT.
  - DURING PLANT SHUTDOWN, THE RHR SYS. PIPING SHALL BE DRAINED BACK TO THE SUPPRESSION POOL.
  - WHERE NV-NUMBERS ARE SHOWN, THE VALVES ARE TAGGED WITH THESE NUMBERS; WHERE NV-NUMBERS ARE NOT SHOWN, THE VALVES ARE TAGGED WITH THE MPL NUMBER.
  - VALVES ON H-26014 AND H-26015 ARE NUMBERED F0021 THRU F0040 FOR DRAIN VALVES F0021 THRU F0040 FOR VENT VALVES.
  - 2E11-COOL LINE OIL SAMPLE DRAIN VALVE CONNECTIONS; F2938 LOWER RESERVOIR, F2940 UPPER RESERVOIR.
  - BREAKER IN CIRCUIT 10A OF MCC 2624-S012, RHR HEAT EXCHANGER TO 30C VALVE, MOV 2E11-F0268, IS NORMALLY OPEN TO ASSURE THAT CIRCUITS 10A AND 10B ARE DEPOWERED DURING NORMAL OPERATIONS FOR APPENDIX "E" CONCERNS.
  - BREAKER IN CIRCUIT 10A OF MCC 2624-S011, RHR HEAT EXCHANGER TO 30C VALVE, MOV 2E11-F0268, IS NORMALLY OPEN TO ASSURE THAT CIRCUITS 10A AND 10B ARE DEPOWERED DURING NORMAL OPERATIONS FOR APPENDIX "E" CONCERNS.
  - THERMAL RELIEF VALVES, 2E11-F0078A & B HAVE BEEN REMOVED AND REPLACED WITH BLIND FLANGES.
  - PRESSURE SWITCHES PS-1007A & B CAN BE OVERRIDDEN PRIOR TO STARTING RHR PUMP BY USING OVERIDE SWITCH.
  - THE VALVE IS DESIGNED TO BE "FAIL AS IS". HOWEVER, IF THE VALVE IS LEFT IN THE CLOSED POSITION, IT MAY OVER TIME, DUE TO AIR LEAKAGE, RETURN TO THE OPEN POSITION.

REFERENCE	MPL NO.	MPL NO.
1. DELETED	2C71-1010	H-26001
2. REACTOR PROTECTION SYSTEM P&ID	2E11-1030	H-26018
3. RESIDUAL HEAT REMOVAL FCD	2E21-1010	H-26020
4. CORE SPRAY P&ID	2E41-1010	H-26022
5. HPC SYSTEM P&ID	SHT 1	H-26021
6. ROC SYSTEM P&ID	2E51-1010	H-26023
7. RADWASTE SYSTEM P&ID	SHT 1	H-26024
8. REACTOR WATER CLEANUP SYS P&ID	SHT 1-7	H-26024
9. NUCLEAR BOILER LEAK DETECTION SYSTEM DESIGN SPEC.	2E31-1010	H-26038
10. PIPING AND INSTRUMENT SYMBOLS	2E41-1010	H-26037
11. PROCESS INSTRUMENTATION & TUBING INSTALLATION SPECIFICATIONS	2E11-1020	S25140
12. RHR PROCESS DATA	2E61-4020	S25706
13. PLANT REQUIREMENTS	2E11-1020	S25140
14. FURN, FAB, DEL, ERECT, PIPING & PIPE SUPPORTS & SETTING OF MECH. EQUIP.	2E61-4020	S25706
15. REACTOR RECIRC SYS P&ID	SHT 1	H-26003
16. NUCLEAR BOILER SYS P&ID	SHT 2	H-26004
17. REACTOR & RADWASTE BLOOD CONDENSATE STORAGE & TRANSFER SYSTEM P&ID	SHT 1	H-26000
18. FUEL POOL COOLING SYSTEM P&ID	SHT 2	H-26001
19. Jockey Pump Sys. P&ID & P.F.D. FOR THE R.H.R. & C.S. SYS.	2P11-1010	H-26044
20. MECH. PENETS, DRWELL	2E21-1050	H-26019
21. MECH. & ELEC. PENETS, SUPPRESSION CHAMBER	2E21-1050	H-26019
22. PROCESS SAMPLING SYS. P&ID & P.F.D.	2E21-1050	H-26019

THIS DWG. DEVELOPED FROM G.E. DWG. 761E550 SH. 1, REV. 7 (S-25138)

**CRITICAL DOCUMENT**

MPL NO. 2E11-1010 ACAD2K H26014

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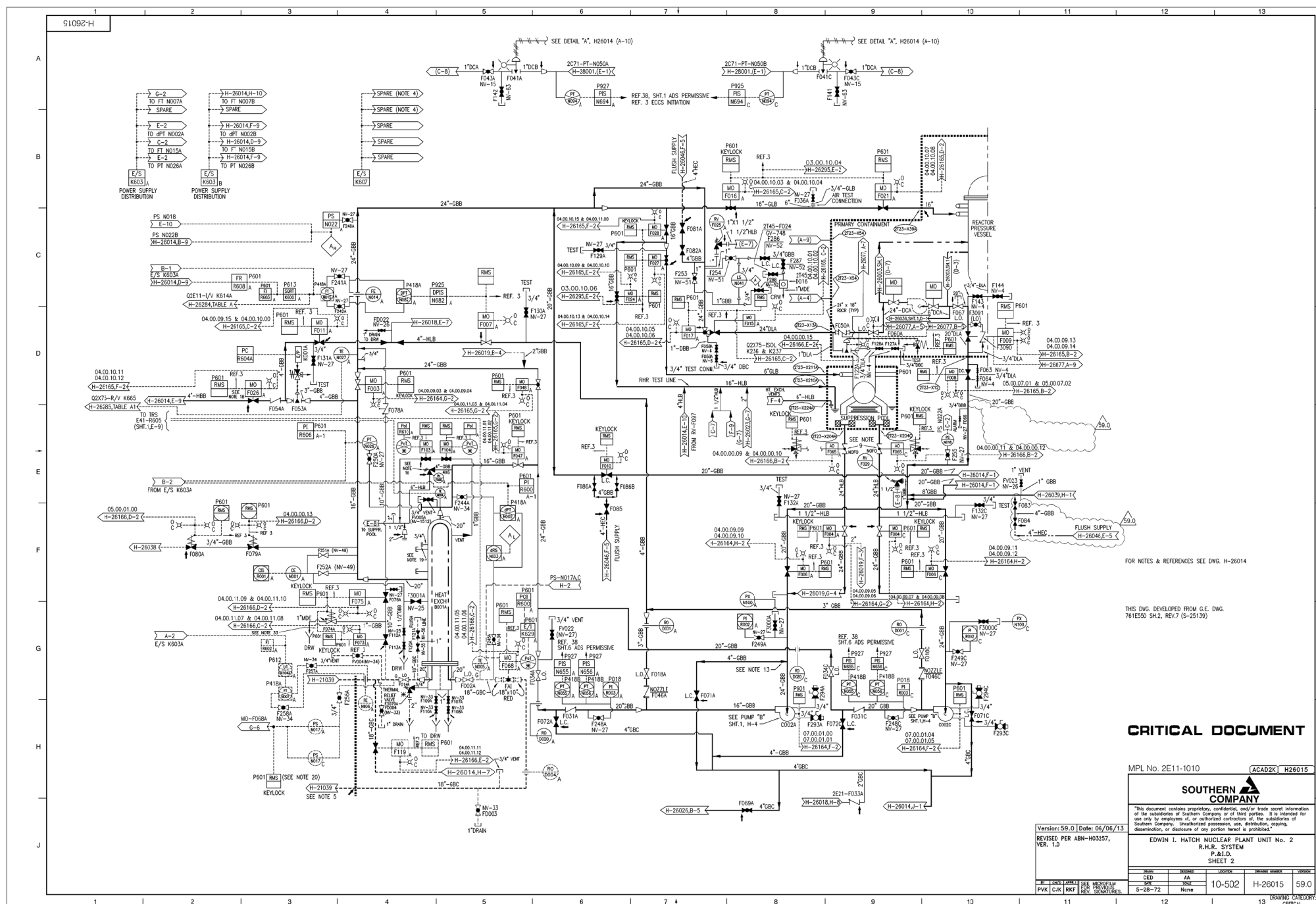
EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
R.H.R. SYSTEM  
P&ID  
SHEET 1

Version: 65.0 Date: 4/7/15  
REVISED PER  
ASN-H26014 VER. 1.0

NO.	DATE	BY	CHKD
1	5-19-72	JCP	SNM/JTL

NO.	DATE	BY	CHKD	LOCATION	DRAWING NUMBER	VERSION
1	5-19-72	JCP	SNM/JTL	None	10-502 H-26014	65.0

DRAWING CATEGORY: CRITICAL



**CRITICAL DOCUMENT**

MPL No. 2E11-1010

ACAD2K H26015

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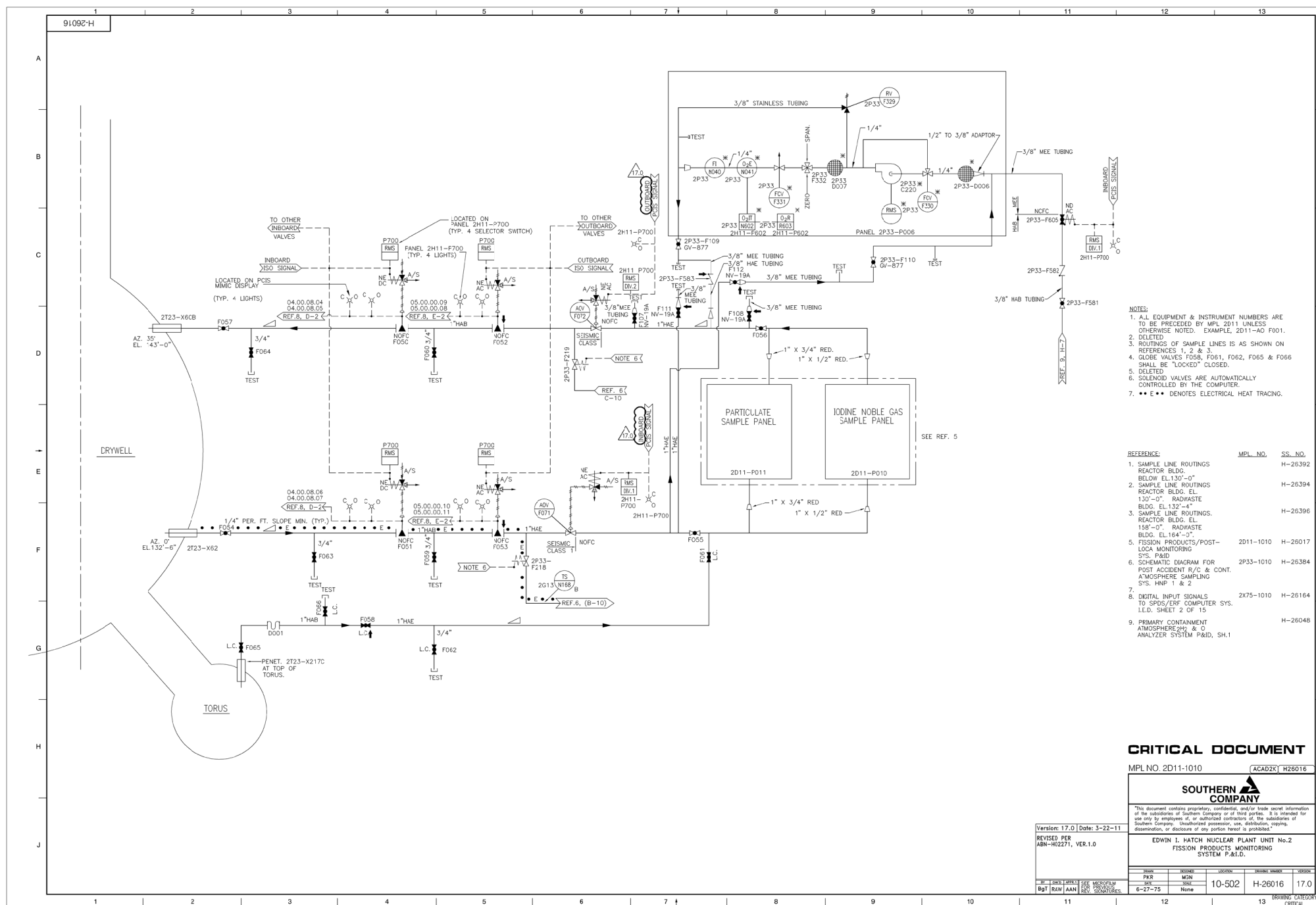
EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
R.H.R. SYSTEM  
P.&I.D.  
SHEET 2

Version: 59.0	Date: 06/06/13
REVISED PER ABN-H03257, VER. 1.0	

BY	CHK'D	APPR'D	SEE MICROFILM FOR PREVIOUS REV. SIGNATURES
PVK	CJK	RKF	

LOCATOR	UPPER/LOWER POSITION	DEPTH
10-502	H-26015	59.0

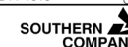
13	DRAWING CATEGORY CRITICAL
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**CRITICAL DOCUMENT**

MPL NO. 2D11-1010

ACAD2K H26016



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EDWIN I. HATCH NUCLEAR PLANT UNIT No.2  
FISSION PRODUCTS MONITORING  
SYSTEM P.&I.D.

Version: 17.0	Date: 3-22-11
REVISED PER ABN-H02271, VER.1.0	

*Journal of Management Education* 36(7)br/>© The Author(s)  
10.1177/0095647212468111  
<http://jme.sagepub.com>

100

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BY	CHK'D	APPR.1	SEE MICROFILM FOR PREVIOUS
BoT	R/W	AAM	

By:	RAW	AAW	REV. SIGNATURES
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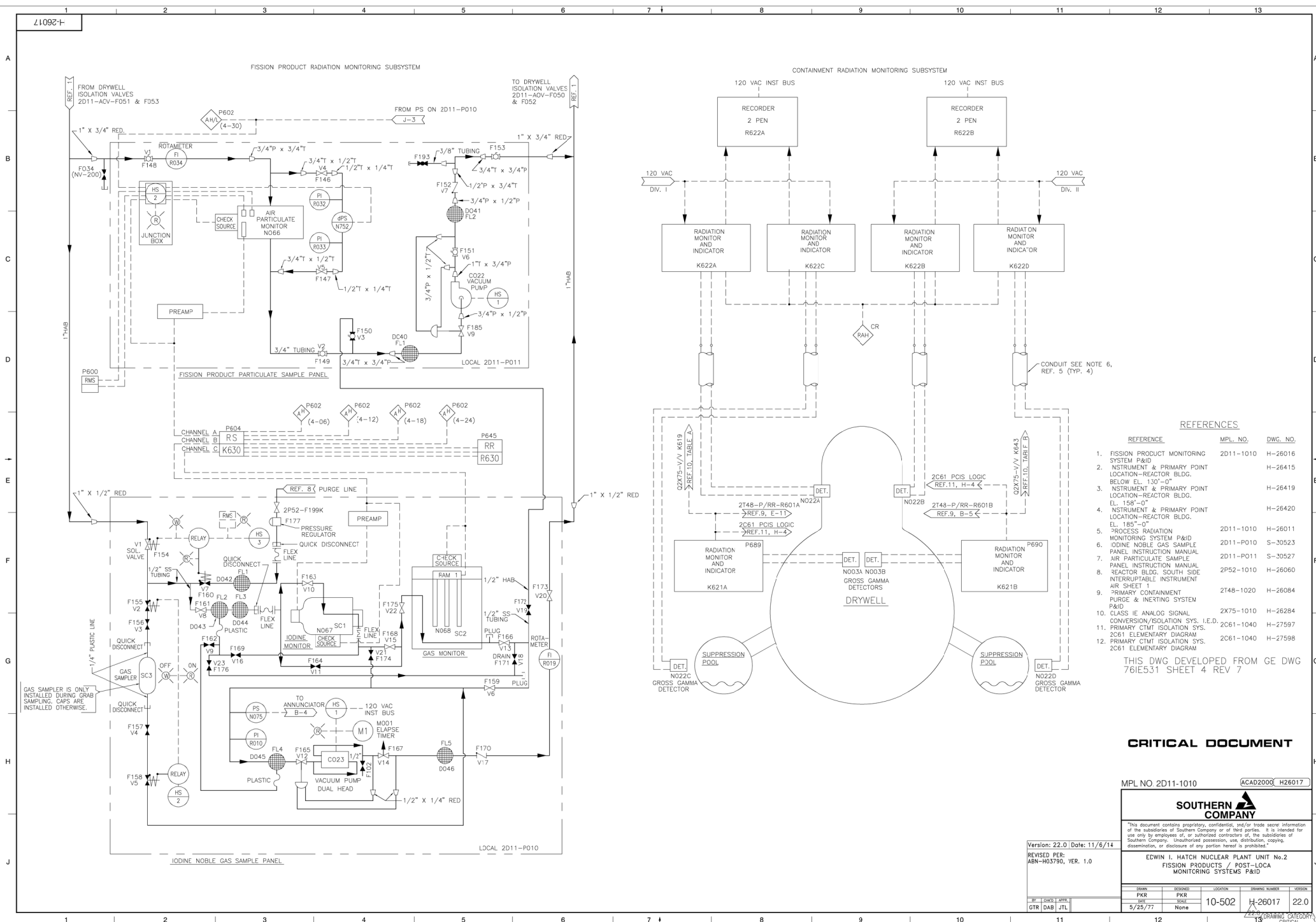
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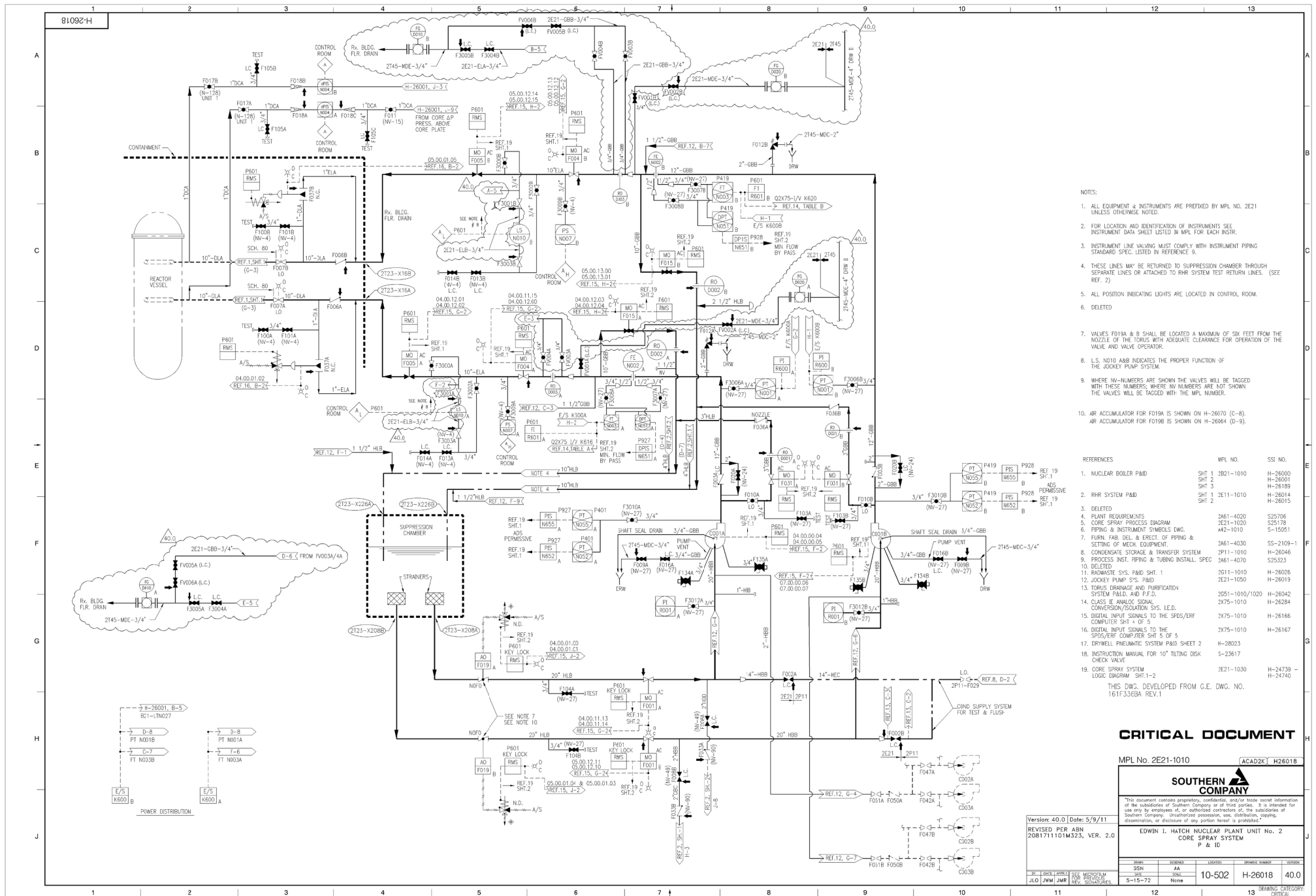
DRIVER	DECEASED	LOCATION	CRASH#40 NUMBER	VEHICLE
PKR	MGN			

DATE	SCALE	10-502	H-26016	17.0
6-27-75	None			

	6-27-79	Note			DRAWING CATEGORY
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12	13	CRITICAL
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# NOTES:

- ALL EQUIPMENT & INSTRUMENTS ARE PREFIXED BY MPL NO. 2E21 UNLESS OTHERWISE NOTED.
- FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE INSTRUMENT DATA SHEET LISTED IN MPL FOR EACH INSTR.
- INSTRUMENT LINE VALVING MUST COMPLY WITH INSTRUMENT PIPING STANDARD SPEC. LISTED IN REFERENCE 9.
- THESE LINES MAY BE RETURNED TO SUPPRESSION CHAMBER THROUGH SEPARATE LINES OR ATTACHED TO RHR SYSTEM TEST RETURN LINES. (SEE REF. 2)
- ALL POSITION INDICATING LIGHTS ARE LOCATED IN CONTROL ROOM.
- DELETED
- VALVES F019A & B SHALL BE LOCATED A MAXIMUM OF SIX FEET FROM THE NOZZLE OF THE TORUS WITH ADEQUATE CLEARANCE FOR OPERATION OF THE VALVE AND VALVE OPERATOR.
- L.S. N010 AND N011 INDICATES THE PROPER FUNCTION OF THE JOCKEY PUMP SYSTEM.
- WHERE IN-NUMBERS ARE SHOWN THE VALVES WILL BE TAGGED WITH THESE NUMBERS; WHERE IN-NUMBERS ARE NOT SHOWN THE VALVES WILL BE TAGGED WITH THE MPL NUMBER.
- AIR ACCUMULATOR FOR F019A IS SHOWN ON H-26070 (C-8). AIR ACCUMULATOR FOR F019B IS SHOWN ON H-26064 (D-9).

# REFERENCES

	MPL NO.	SSI NO.
1. NUCLEAR BOILER P&ID	SHT 1 2E21-1010 SHT 2 2E21-1020 SHT 3 2E21-1030 SHT 4 2E21-1040	H-26000 H-26001 H-26189 H-26015
2. RHR SYSTEM P&ID	SHT 1 2E11-1010 SHT 2 2E11-1020 SHT 3 2E11-1030 SHT 4 2E11-1040	H-26189 H-26015 H-26015 H-26015
3. DELETED		
4. PLANT REQUIREMENTS	2A61-4020	S25706
5. CORE SPRAY PROCESS DIAGRAM	2E21-1020	S25718
6. PIPING & INSTRUMENT SYMBOLS DWG.	A42-1010	S-15051
7. FURN, FAB, DEL. & ERECT. OF PIPING & SETTING OF MECH. EQUIPMENT	2A61-4030	S5-2109-1
8. CONDENSATE STORAGE & TRANSFER SYSTEM	2P11-1010	H-26046
9. PROCESS INST. PIPING & TUBING INSTALL. SPEC	2A61-4070	S25323
10. DELETED		
11. RADWASTE SYS. P&ID SHT. 1	2011-1010	H-26026
12. JOCKEY PUMP SYS. P&ID	2E21-1050	H-26019
13. TORUS DRAINAGE AND PURIFICATION SYSTEM P&ID, AND P.F.D.	2051-1010/1020	H-26042
14. CLASS IIE ANALOG SIGNAL CONVERSION/ISOLATION SYS. I.E.D.	2A75-1010	H-26284
15. DIGITAL INPUT SIGNALS TO THE SPDS/ERF COMPUTER SHT. 4 OF 5	2A75-1010	H-26166
16. DIGITAL INPUT SIGNALS TO THE SPDS/ERF COMPUTER SHT. 5 OF 5	2A75-1010	H-26167
17. DRYWELL PNEUMATIC SYSTEM P&ID SHT. 2	H-26023	
18. INSTRUCTION MANUAL FOR 10" TILTING DISK CHECK VALVE	S-23617	
19. CORE SPRAY SYSTEM LOGIC DIAGRAM SHT.1-2	2E21-1030	H-24739 H-24740

THIS DWG. DEVELOPED FROM G.E. DWG. NO. 161F335BA REV.1



61092-H

## MODES

MODE A - FULL FLOW FOR EXCESS AMOUNT OF LEAKAGE AT CHECK VALVE SEATS  
2E11-F031A OR C (REF. 1, SH. 1 & 2).

MODE B - FULL FLOW FOR EXCESS AMOUNT OF LEAKAGE AT CHECK VALVE SEATS  
2E21-F003A (REF. 2).

MODE C - NORMAL OPERATION SYSTEM PRESSURIZED. MIN. FLOW RECIRCULATION.

## GENERAL NOTES

1. ALL EQUIPMENT AND INSTRUMENT NUMBERS ARE TO BE PRECEDED BY MPL -2E21 UNLESS OTHERWISE NOTED. EX. 2E21-C002A.
2. FOR WEIGHT AND MATERIAL OF PIPE, VALVES AND FITTINGS, SEE REF. 6.
3. ALL CHECK AND GLOBE VALVES MUST BE LOCATED CLOSE TO CROSS CONNECT HEADER.
4. JOCKEY PUMP DRAINS AND VENTS TO DRW.
5. PUMP C002A AND C002B ARE OPERATING AND PUMPS C003A AND C003B ARE ON STANDBY.
6. PIPING HIGH POINT VENTS AND LOW POINT DRAINS ARE TO BE ADDED AT ALL SUCH POINTS NOT SERVED BY EQUIPMENT VENT AND DRAINS.
7. JOCKEY PUMPS OPERATE ON EMERGENCY AC POWER.
8. PS N011 STARTS THE JOCKEY PUMP
9. 2E21-PI-RO05A, B AND RO06A, B ARE ASHROFT TYPE 1379A GAUGES; PURCHASE ORDER S-8937.

## PROCESS FLOW NOTES

11. FOR PUMP NP5H AVAL. CALCULATIONS:  
MAX. TORUS WATER TEMP. = 200°F  
TORUS PRESSURE = 14.7 PSIA.
  12. MIN. NP5H AVAL. CALCULATED = 18 FTS.
  13. DESIGN OF THE PUMPS BASED ON NP5H AVAL. = 4 FT.
  14. WHEN THE CORE SPRAY SYSTEM IS AT TEST MODE THEN SUCTION TO JOCKEY PUMPS WILL BE THROUGH
- 0 A 1 A 3 A 4 A
16. THE JOCKEY PUMPS ARE TO PROVIDE A MINIMUM OF 10 PSIG PRESSURE IN THE MAIN PUMP DISCH. LEGS IN ADDITION TO HEAD PRESSURE FROM WATER COLUMN.
  17. THE RESTRICTING ORIFICES ARE DESIGNED TO DROP THE DISCH. HEAD TO A LOW TORUS PRESSURE. (~15.7 P.S.I.A.)
  18. CALCULATIONS SHOWN ARE FOR SIDE "A", SIDE "A" AND SIDE "B" ARE IDENTICAL.
  19. THROTTLE DISCHARGE VALVES TO MAINTAIN 0 PSIG AT PUMP SUCTION AT RUNOUT.

## REFERENCES

REFERENCE	MPL. NO.	S.S.I. NO.
1. R.H.R. SYS P&ID	2E11-1010 SH. 1 SH. 2	H-26014 H-26015
2. CORE SPRAY SYS. P&ID	2E21-1010	H-26018
3. R.H.R. SYS P.F.D.	2E11-1020	S-25140 S-25141
4. CORE SPRAY SYS. P.F.D.	2E21-1020	S-25178
5. SAMPLING SYS. P&ID	2P33-1010	H-26038
6. FURN., TAB., DEL., & ERECT. PIPING & SETTING OF MECH. EQUIPMENT		SS-21091-1
7. PIPING & INSTRUMENT SYMBOLS.	A42-1010	S-15051
8. REACTOR BUILDING-PLANT 2P41-1010 SH. 1 SERVICE WATER P&ID		H-26050 SH. 2 H-26051

## LEGEND

--- EXISTING PIPING FOR 2E11-1010 AND/OR 2E21-1010.  
--- PIPING FOR JOCKEY PUMP SYSTEM.

## CRITICAL DOCUMENT

MPL NO. 2E21-1050

ACAD2K H26019

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Version: 19.0 [Date: 06-06-34]

REVISED PER ABR 04-0226, VERSION 1.0.

EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
JOCKEY PUMP SYSTEM P & ID AND  
PROCESS FLOW DIAGRAM FOR THE  
R.H.R. AND CORE SPRAY SYSTEMS

DATE	REVISION	LOCATION	ISSUED NUMBER	REVISION
JDA	AA			
4-27-72	None			

DATE	REVISION	LOCATION	ISSUED NUMBER	REVISION
JDA	AA			
4-27-72	None			

DATE	REVISION	LOCATION	ISSUED NUMBER	REVISION
JDA	AA			
4-27-72	None			

DATE	REVISION	LOCATION	ISSUED NUMBER	REVISION
JDA	AA			
4-27-72	None			

DATE	REVISION	LOCATION	ISSUED NUMBER	REVISION
JDA	AA			
4-27-72	None			

DATE	REVISION	LOCATION	ISSUED NUMBER	REVISION
JDA	AA			
4-27-72	None			

DATE	REVISION	LOCATION	ISSUED NUMBER	REVISION
JDA	AA			
4-27-72	None			

DATE	REVISION	LOCATION	ISSUED NUMBER	REVISION
JDA	AA			
4-27-72	None			

MODE A - FULL FLOW TO R.H.R. PUMPS DISCHARGE LEG SIDE "A"

POSITION	A	0A	1A	0A	2A	3A	4A	5A	6A	7A	8A	9A	10A	X
FLOW-GPM	-	40	40	0	0	40	40	40	30	30	0	10	0	10
PRESSURE-PSIA	14.7													
TEMP.-°F (MAX)	200													
MAX. PRESSURE DROP-FOOT														

REQ'D TDH=135 FT.

MODE B - FULL FLOW TO C.S. PUMPS DISCHARGE LEG SIDE "A"

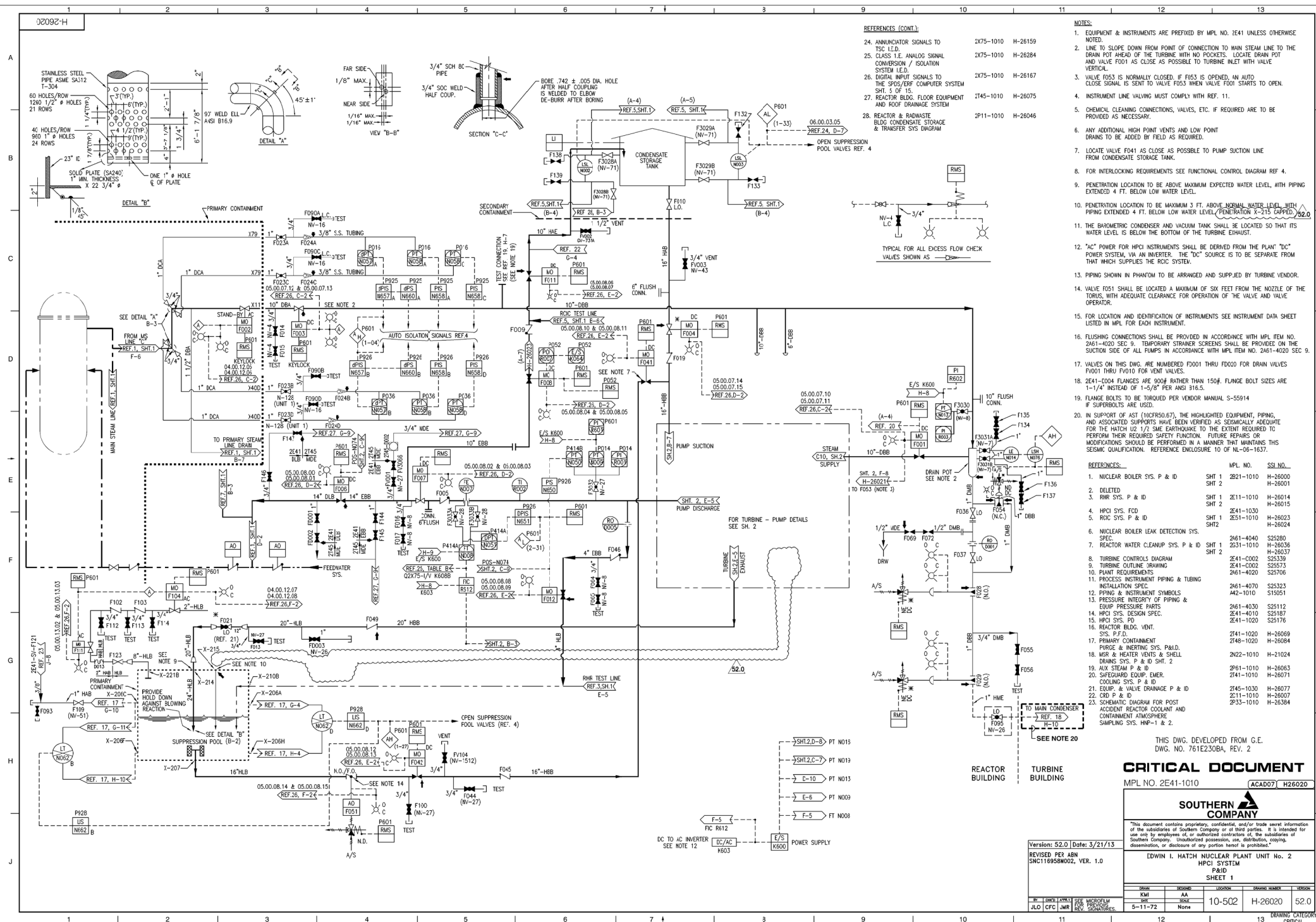
POSITION	A	0A	1A	0A	2A	3A	4A	5A	6A	7A	8A	9A	10A	X
FLOW-GPM	-	40	40	0	0	40	40	40	30	30	0	10	0	10
PRESSURE-PSIA	14.7													
TEMP.-°F (MAX)	200													
MAX. PRESSURE DROP-FOOT														

REQ'D TDH=120 FT.

MODE C - RECIRC. TO TORUS (NO FLOW TO PUMP DISCH. LEGS)

POSITION	A	0A	1A	0A	2A	3A	4A	5A	6A	7A	8A	9A	10A	X
FLOW-GPM	-	10	10	0	0	10	10	10	0	0	0	10	0	10
PRESSURE-PSIA	14.7													
TEMP.-°F (MAX)	200													
MAX. PRESSURE DROP-FOOT														

TDH=200 FT.



**CRITICAL DOCUMENT**

MPL NO. 2E41-1010 ACAD07 H2602



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EDWIN J. HATCH NUCLEAR PLANT UNIT No. 2

HPCI SYSTEM  
B&ID

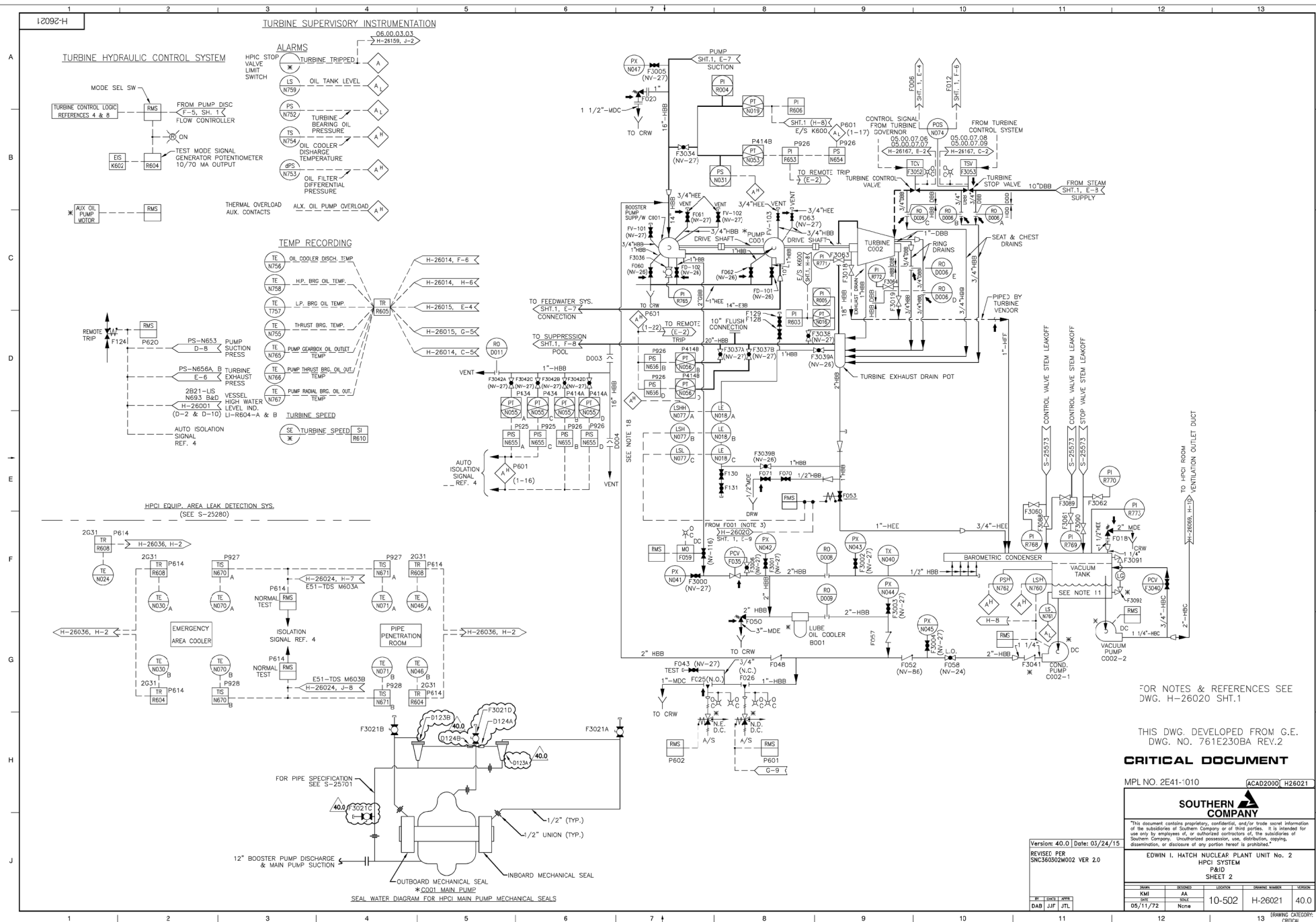
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SHEET 1

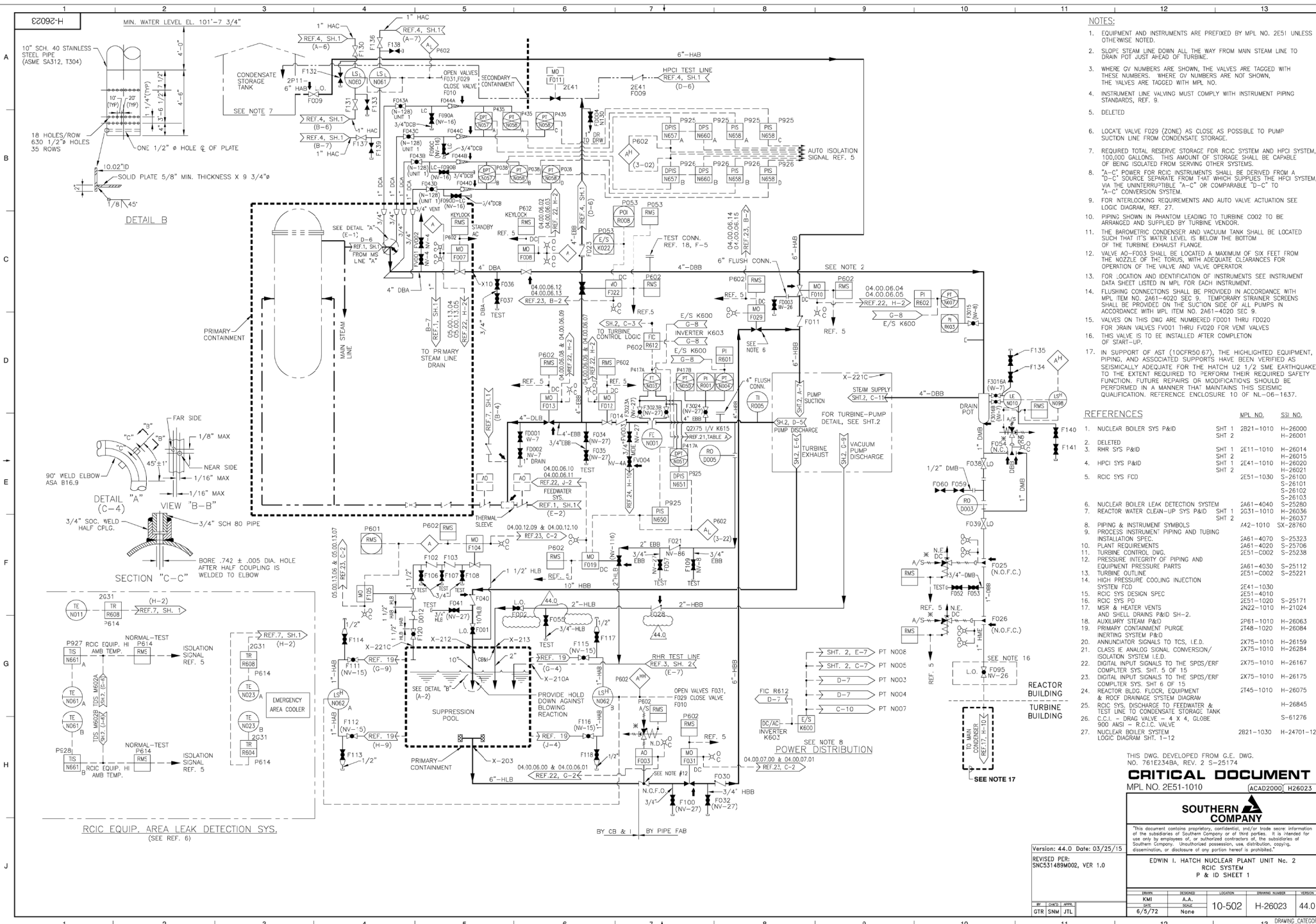
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AMI	AA	10-502	H-26020	52
DATE	SCALE			
E-11-70	None			

ES.	5-11-72	NOTE			
1	12	1	12	DRAWING DATE	

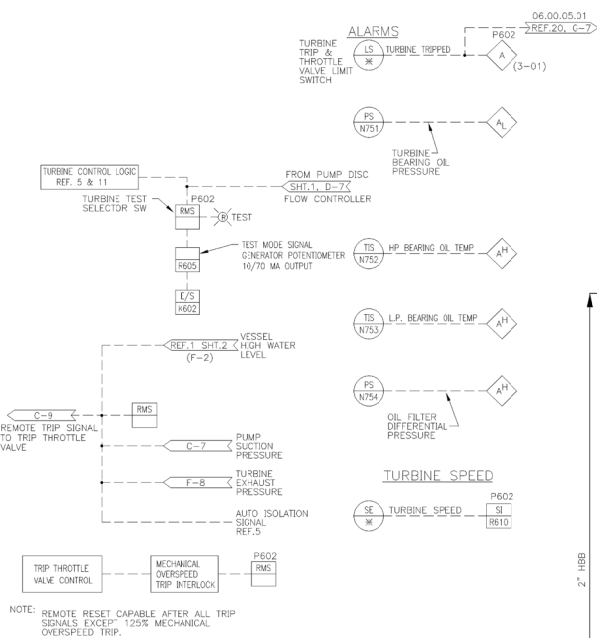
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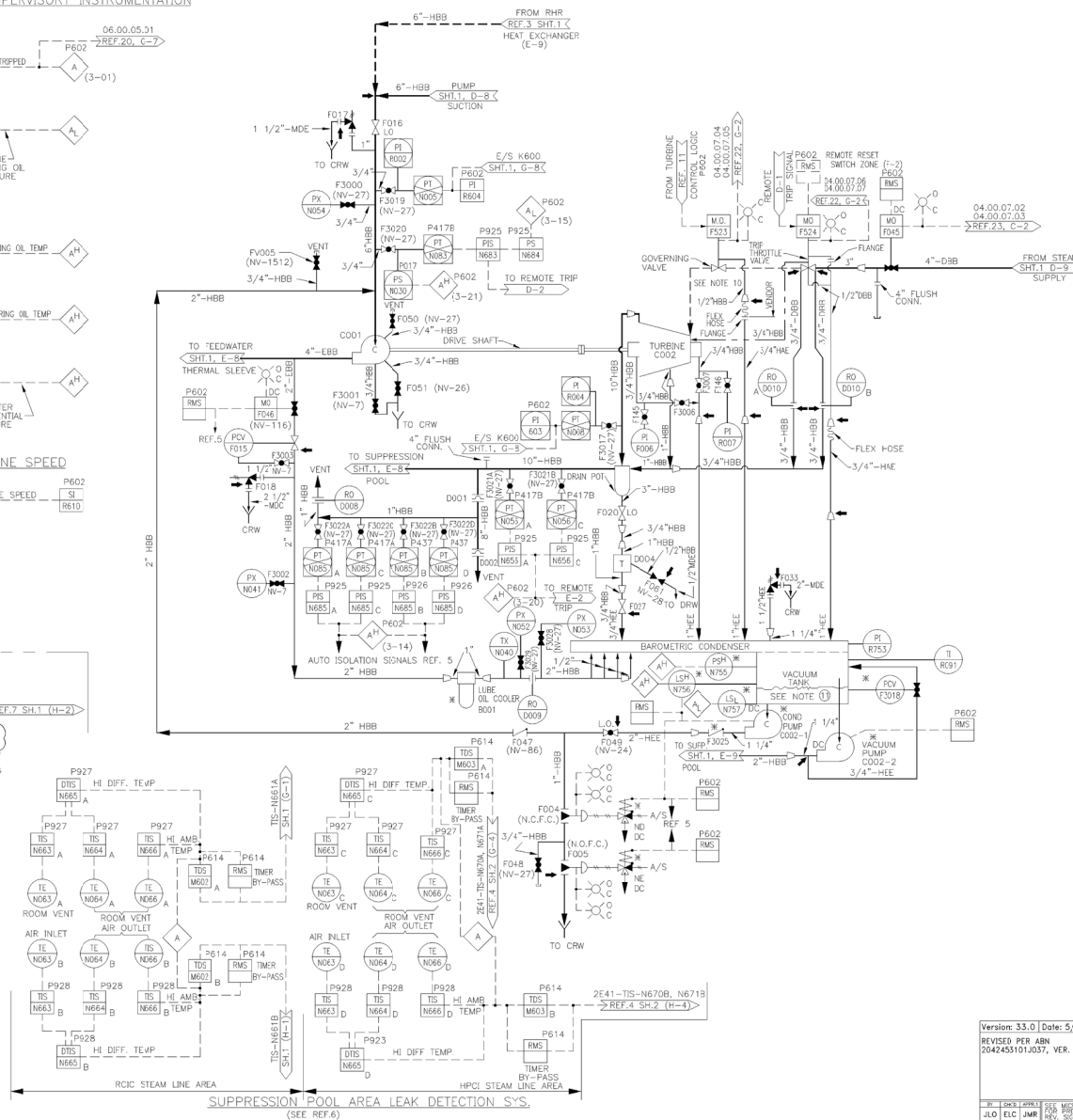
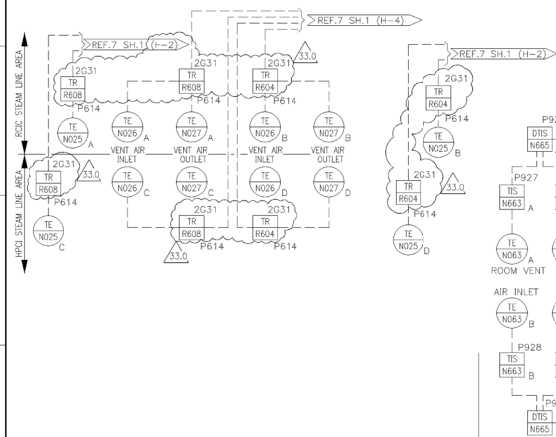
## TURBINE CONTROL SYSTEM

## TURBINE SUPERVISORY INSTRUMENTATION



NOTE: REMOTE RESET CAPABLE AFTER ALL TRIP SIGNALS EXCEPT 125% MECHANICAL OVERSPEED TRIP.

SUPPRESSION POOL AREA LEAK DETECTION SYS.  
(SEE REF.6)



FOR NOTES AND REFERENCES SEE DWG. H-26023 SH.1

THIS DWG. DEVELOPED FROM G.E. DWG.  
NO. 761E234BA, REV.2  
(S-25174/S-25175)

**CRITICAL DOCUMENT**

MPL NO. 2E51-1010

ACAD2K H26024

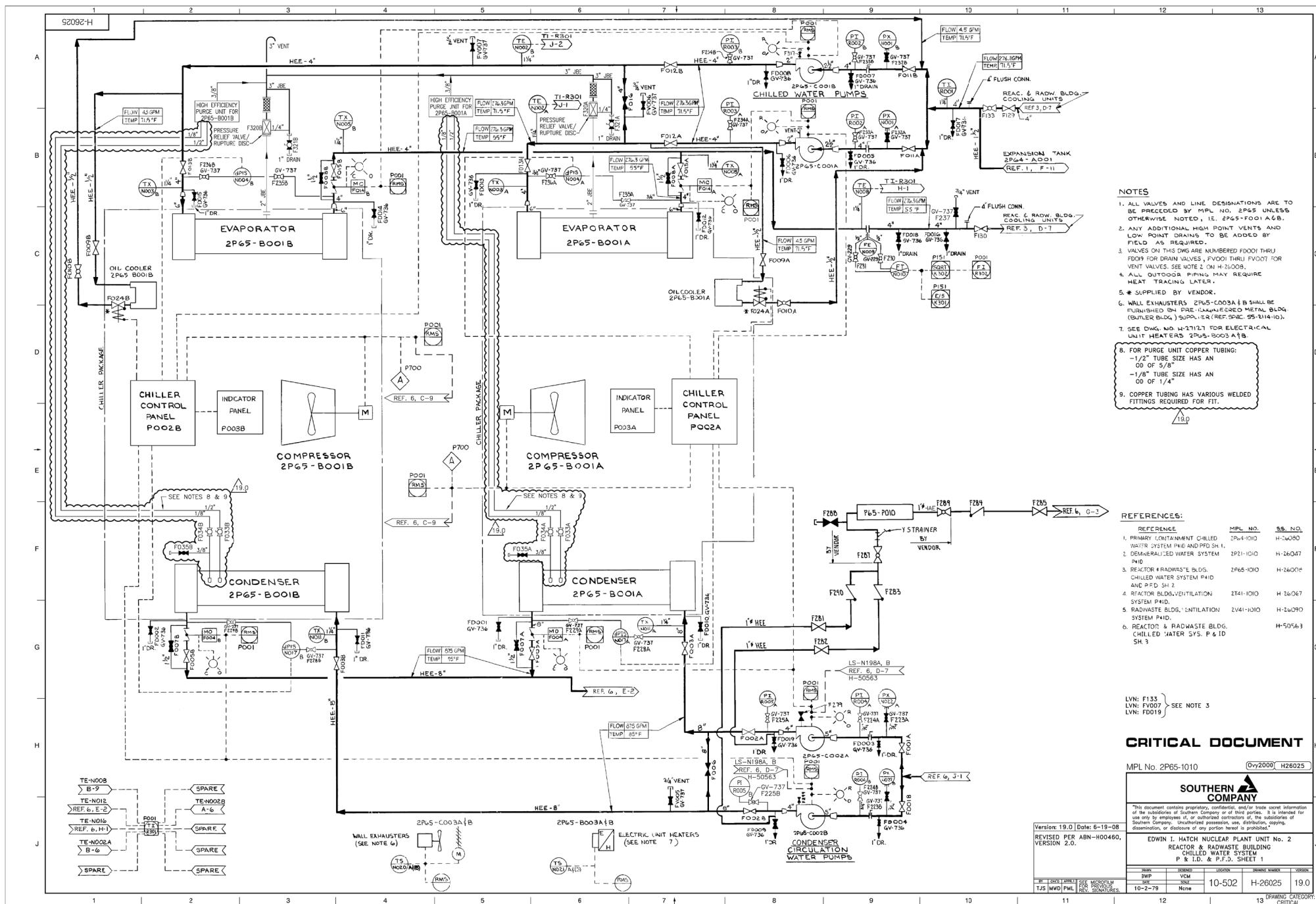
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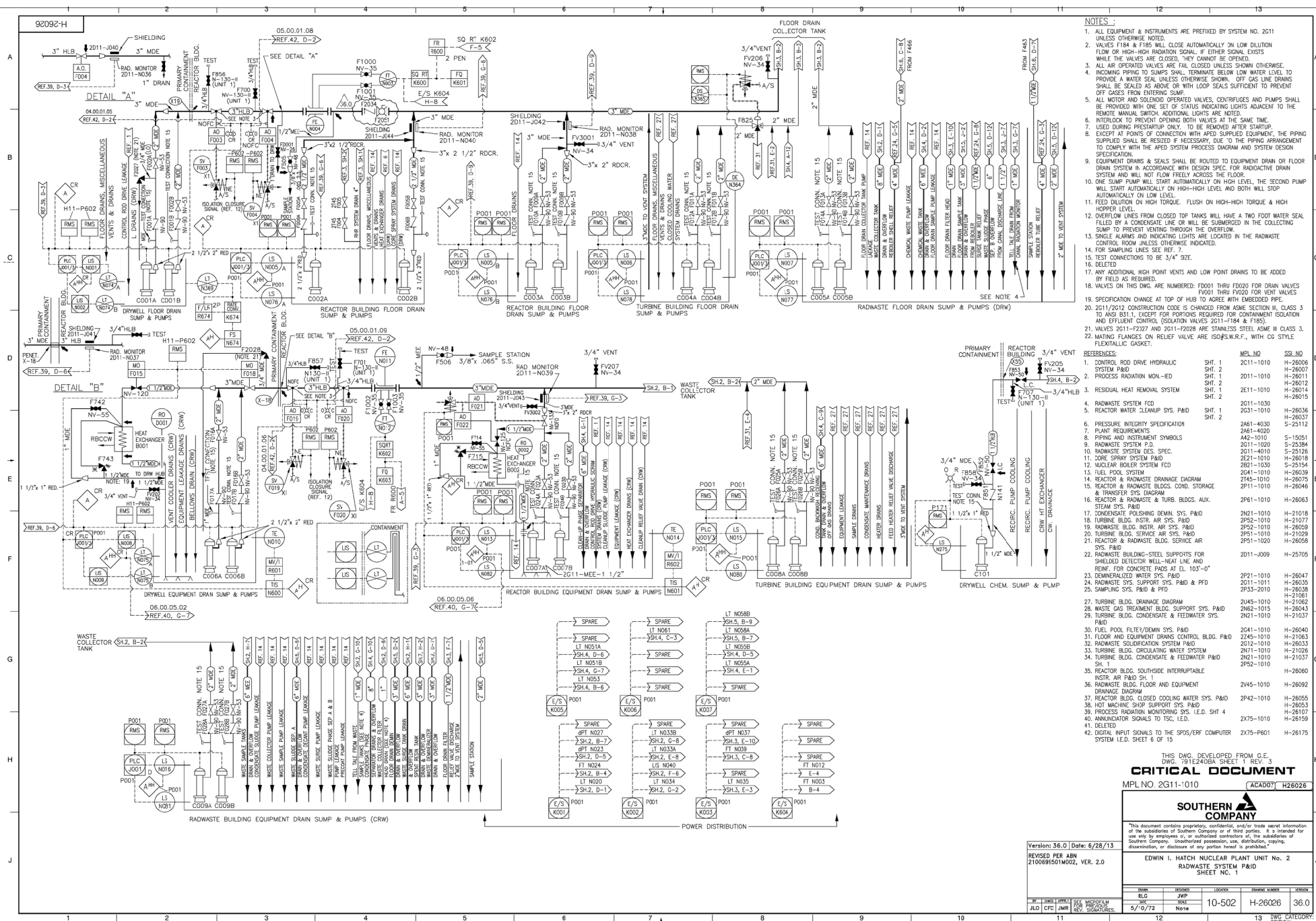
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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
RCIC SYSTEM  
P&ID  
SHEET 2

Version: 33.0	Date: 5/5/1
REVISED PER ABN	
2042453101J037, VER. 1.0	

				IRAM	EXTENDED	LOCATION	DRAWING NUMBER	VERSION
				KMI	AA	10-502	H-26024	33
BT	CHK.	APPR.	SEE MICROFILM FOR PREVIOUS SIGNATURES.	DATE	SOIL			
JLO	ELC	JMR		6/5/72	None			
11				12		13		
						DRAWING CATEGORY		
						CRITICAL		





THIS DWG. DEVELOPED FROM G.E.  
DWG. 791E240BA SHEET 1 REV. 3

MPL NO. 2G11-1010 ACAD07 H26026

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Version: 36.0	Date: 6/28/1
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REVISÉ PER ABN  
210069501M002, VER. 2.0EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
WASTE SYSTEM D&IDRADWASTE SYSTEM P&ID  
SHEET NO. 1

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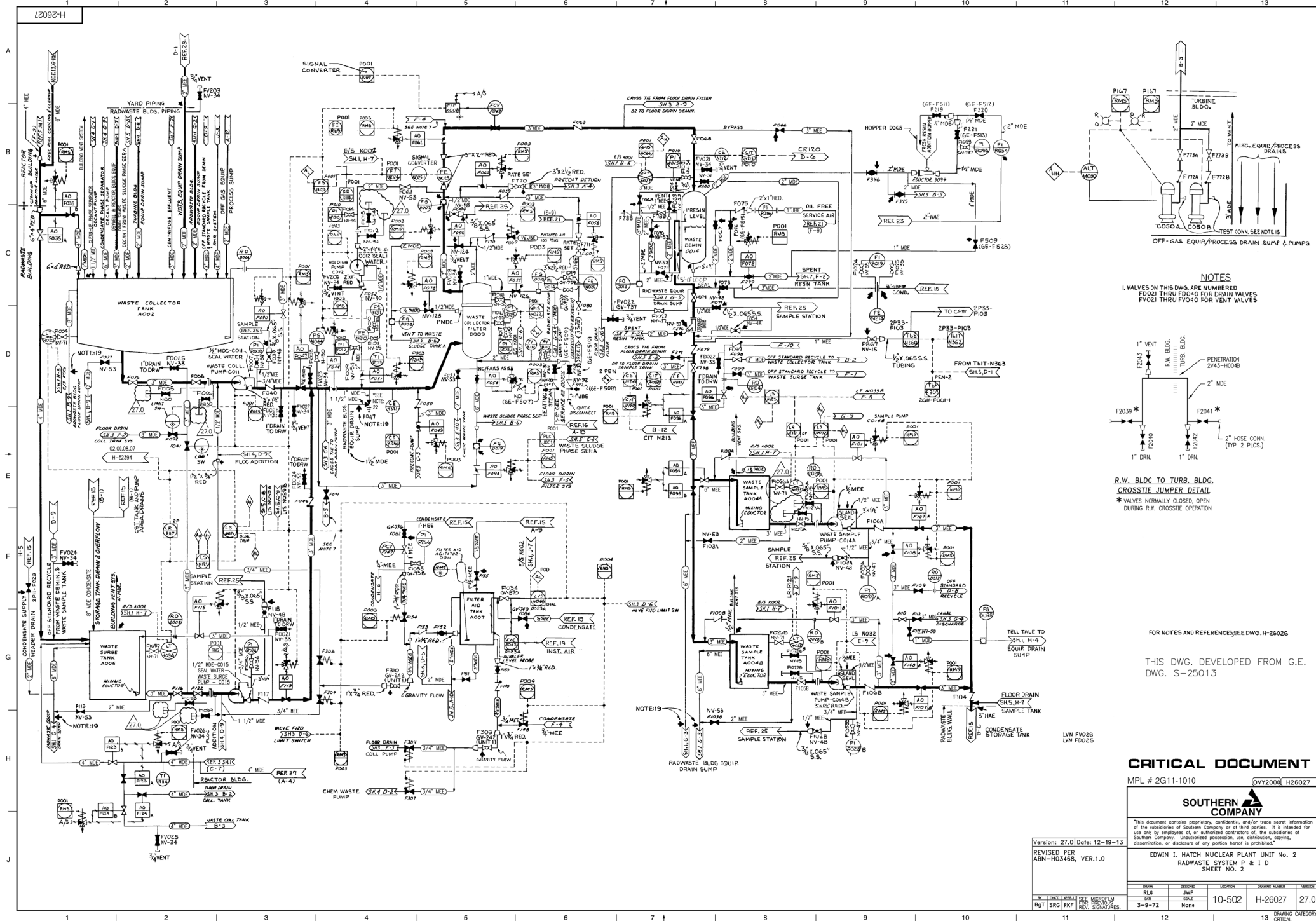
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RLG	JWP			

DATE	SCALE	10-502	H-26026	36.0
5/10/72	None			

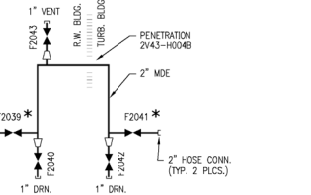
12	13	DWG. CATEGORY
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CRITICAL



NOTES  
1. VALVES ON THIS DWG. ARE NUMBERED  
FV001 THRU FV040 FOR DRAIN VALVES  
FV021 THRU FV040 FOR VENT VALVES



R.W. BLDG. TO TURB. BLDG.  
CROSS TIE JUMPER DETAIL  
\* VALVES NORMALLY CLOSED, OPEN  
DURING R.W. CROSS TIE OPERATION

FOR NOTES AND REFERENCES, SEE DWG. H-26026

THIS DWG. DEVELOPED FROM G.E.  
DWG. S-25013

**CRITICAL DOCUMENT**

MPL # 2G11-1010 0VY2000 H26027

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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
RADWASTE SYSTEM P & I D  
SHEET NO. 2

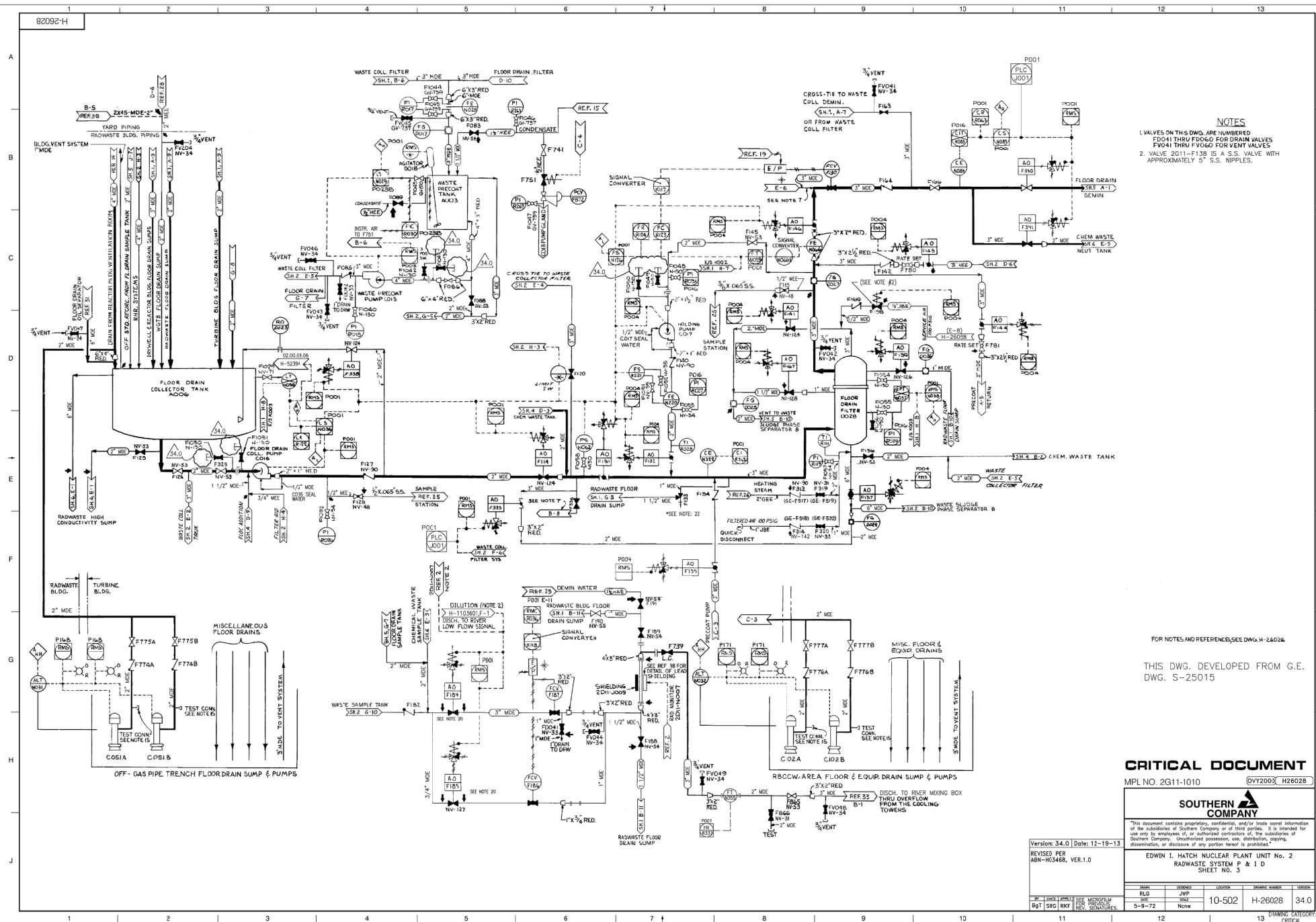
Version: 27.0 Date: 12-19-13  
REVISED PER  
ABN-H03468, VER.1.0

BY	CHKD	APPRD	DATE	REV
Bgt	SRC	KMT	3-9-72	None

NAME	DESIGN	LOCATION	DRAWING NUMBER	VERSION
RLO	ENDP			
DBT	ENCL			
10-502				H-26027 27.0

DRAWING CATEGORY:  
CRITICAL





FOR NOTES AND REFERENCES, SEE DWG. H-26026

THIS DWG. DEVELOPED FROM G.E.  
DWG. S-25015

**CRITICAL DOCUMENT**

MPL NO. 2G11-1010

OVY2000 H26028

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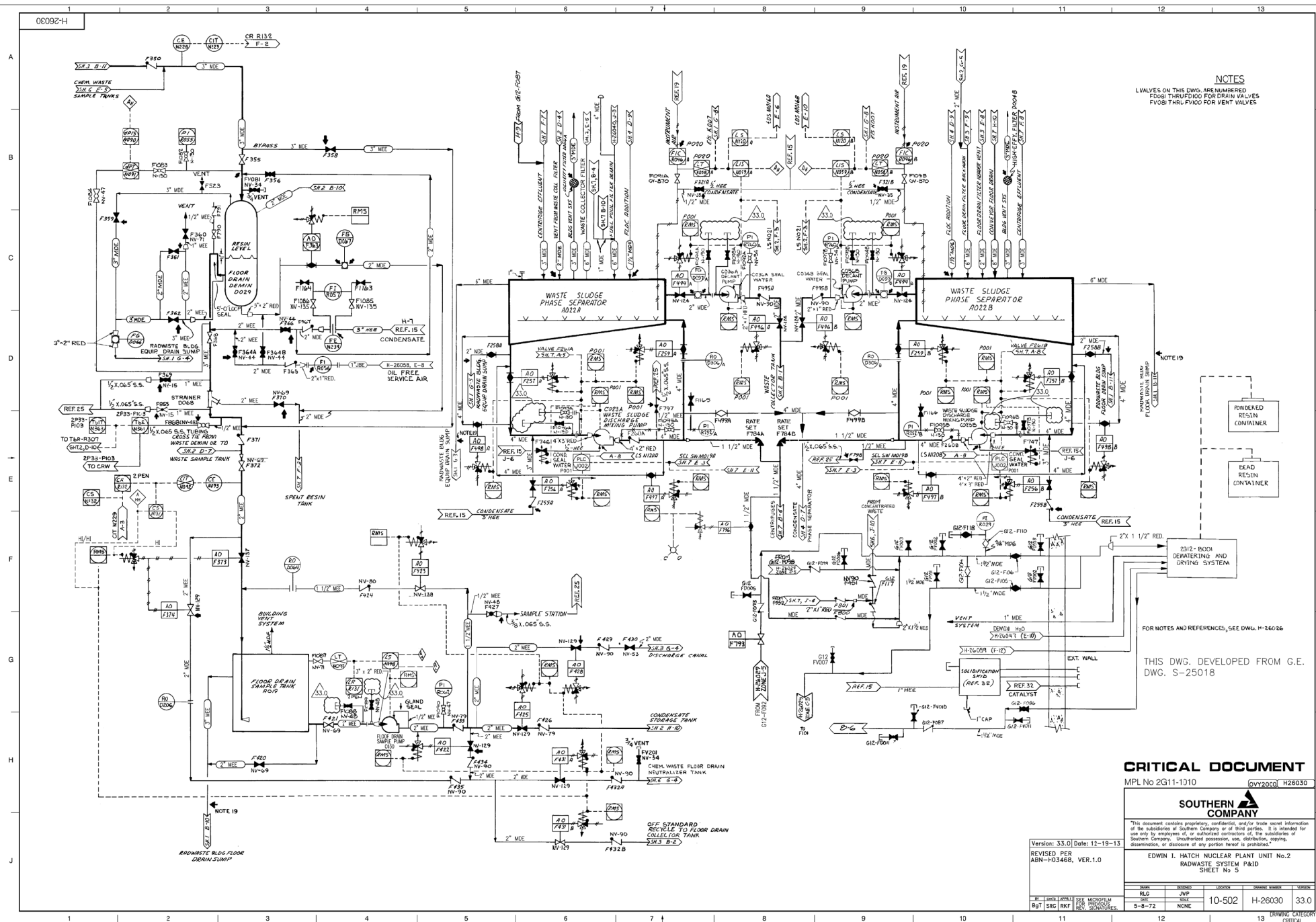
EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
RADWASTE SYSTEM P & I D  
SHEET NO. 3

Version: 34.0	Date: 12-19-1
REVISED PER ABN-HC3468, VER.1.0	

BY	CHK'D	APPR'D	SEE FOR REV.	MICROFILM PREVIOUS SIGNATURES
BgT	SRG	RKF		

13	DRAWING CATEGORY CRITICAL
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NOTES

1. VALVES ON THIS DWG. ARE NUMBERED  
FD081 THRU FD100 FOR DRAIN VALVE  
FV081 THRU FV100 FOR VENT VALVES

FOR NOTES AND REFERENCES, SEE DWG. H-26026

THIS DWG. DEVELOPED FROM G.E.  
DWG. S-25018

**CRITICAL DOCUMENT**

MPL No 2G11-1010

OXYGEN H26030

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EDWIN I. HATCH NUCLEAR PLANT  
RADWASTE SYSTEM P&ID  
SHEET No. 5

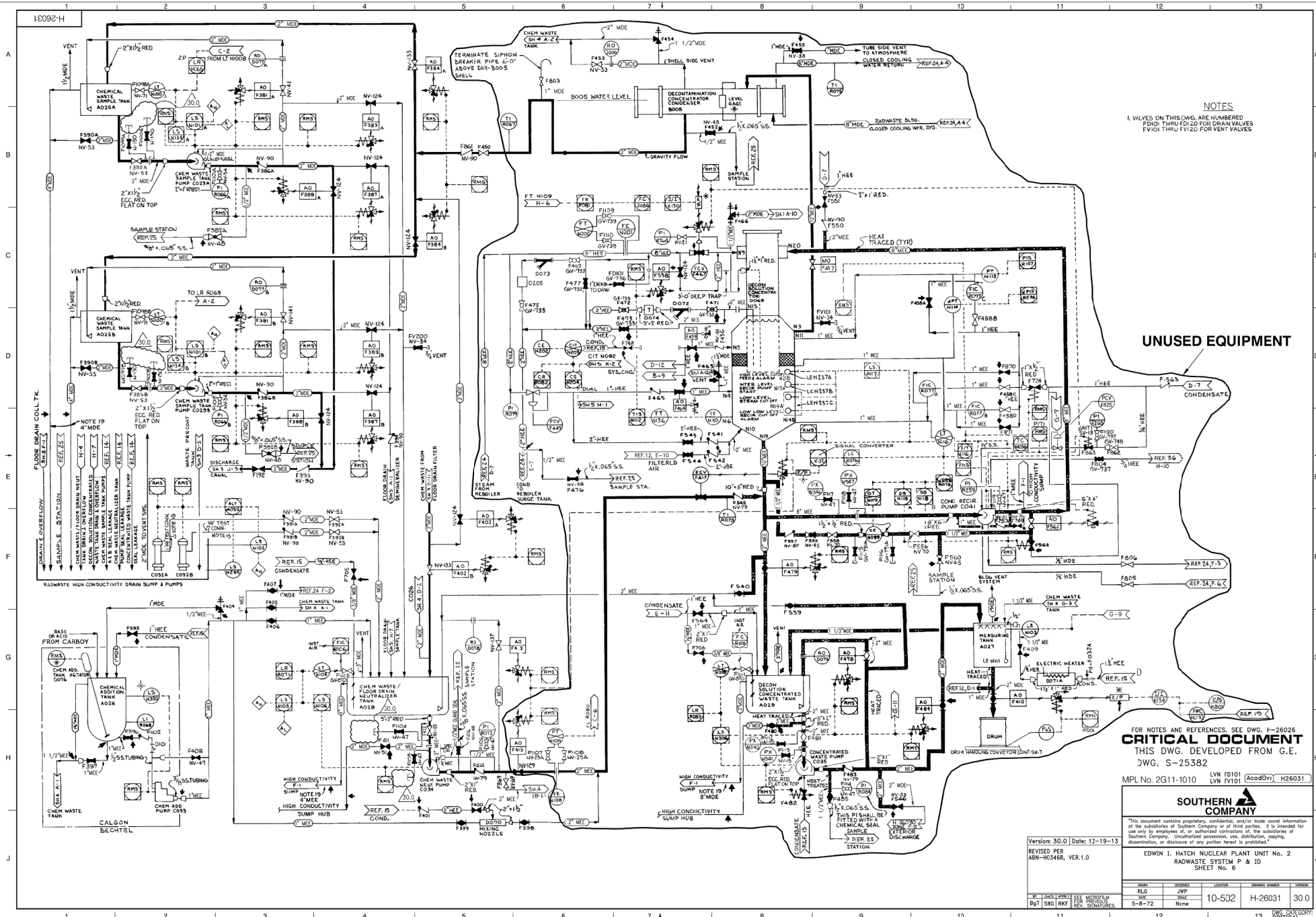
Version: 33.0	Date: 12-19-13
REVISED PER ABN-F03468, VER.1.0	

BY	CHK'D	APPR'D	SEE FOR REV.	MICRO PREV SIGN
BGT	SRG	RKF		

DESIGN	DESIGNED	LOCATION	DRAWING NUMBER	VERSION
RLG	JWP	10-502	H-26030	33.0
DATE	SOME			
5-8-72	NONE			

12

13 DRAWING CATEGORY  
MORTAL



NOTES  
1. VALVES ON THIS DWG. ARE NUMBERED  
FV01 THRU FV120 FOR DRAM VALVES  
FV13 THRU FV120 FOR VENT VALVES

UNUSED EQUIPMENT

FOR NOTES AND REFERENCES, SEE DWG. H-26025  
**CRITICAL DOCUMENT**  
THIS DWG. DEVELOPED FROM G.E.  
DWG. S-25382

MPL NO. 2G11-1010 LWN 10101 (AcadOv) H26031

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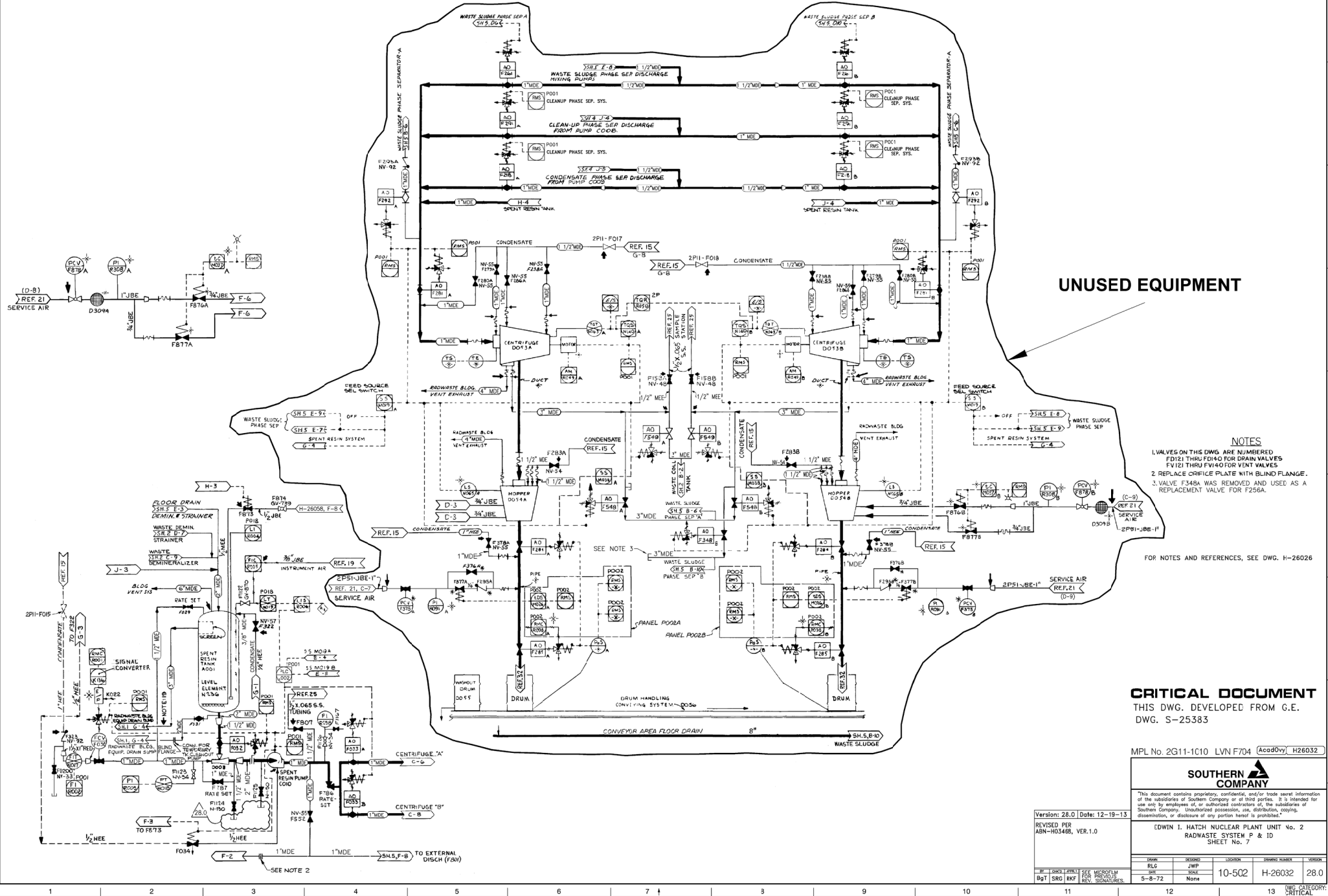
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EDWIN I. HATCH NUCLEAR PLANT UNIT NO. 2  
RADWASTE SYSTEM P & ID  
SHEET NO. 6

Version: 30.0 Date: 12-19-13  
REVISED PER  
ASN-H26466, VER.1.0

REV.	DATE	BY	CHKD.	DESCRIPTION	LOCATION	ISSUED	REVISION
1	12-19-13	BGP	SMC	SEE MICROFILM	10-502	H-26031	30.0
2	08-07-12	BGP	SMC	REV. SIGNATURES	None		

DWG. CATEGORY: CRITICAL



UNUSED EQUIPMENT

# NOTES

1. VALVES ON THIS DWG ARE NUMBERED FD121 THRU FD140 FOR DRAIN VALVES, FV121 THRU FV140 FOR VENT VALVES.
2. REPLACE ORIFICE PLATE WITH BLIND FLANGE.
3. VALVE F348A WAS REMOVED AND USED AS A REPLACEMENT VALVE FOR F256A.

FOR NOTES AND REFERENCES, SEE DWG. H-26026

## CRITICAL DOCUMENT

THIS DWG. DEVELOPED FROM G.E. DWG. S-25383

MPL No. 2G11-1C10 LVN F704 (AcadOvy) H26032

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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2  
RADWASTE SYSTEM P & ID  
SHEET No. 7

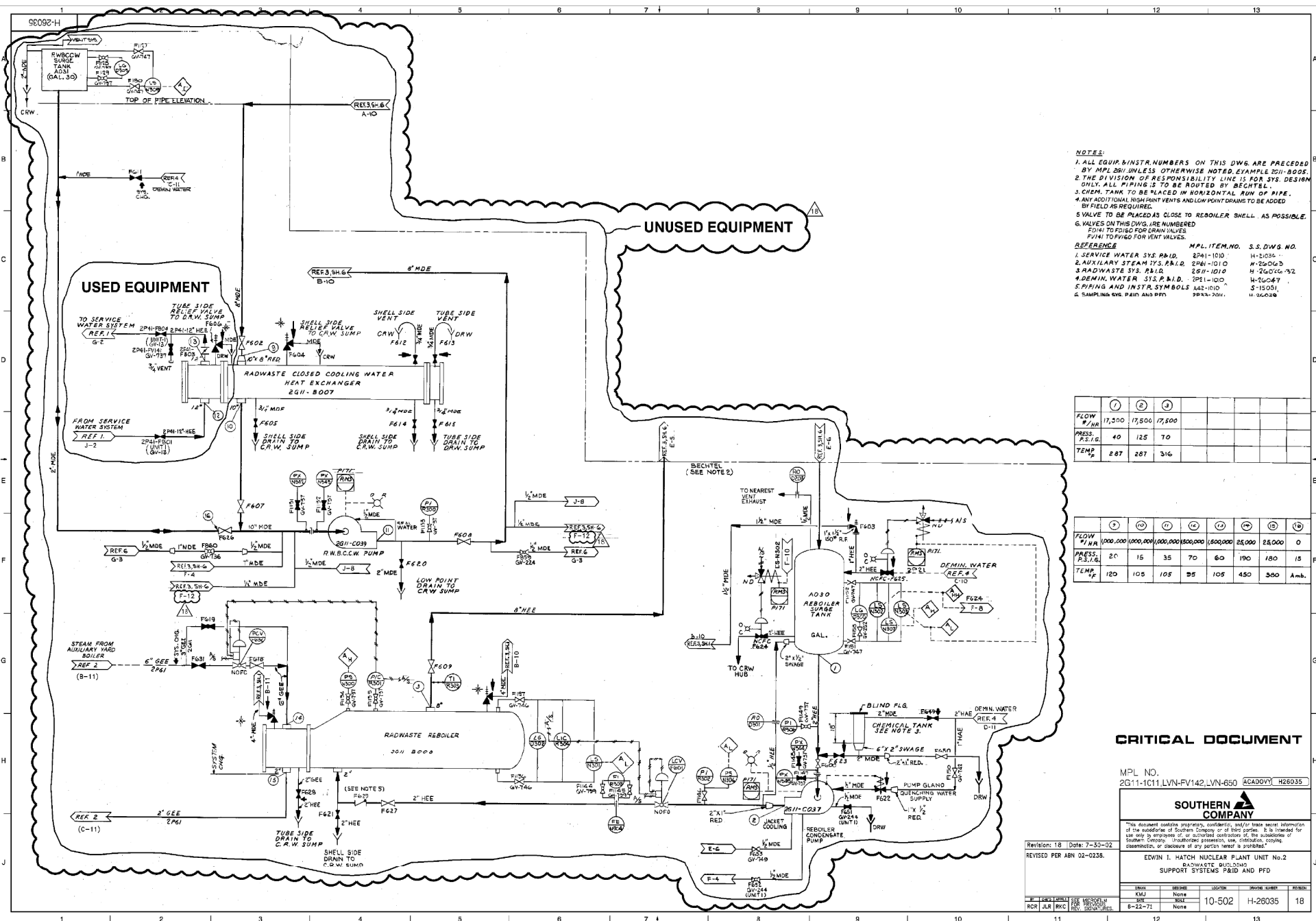
Version: 28.0 Date: 12-19-13

REVISED PER ABN-H0348B, VER.1.0

BY	CHKD	APPRD	SEE MICROFILM FOR PREVIOUS EDITIONS	DATE	REVISION
BGT	SRG	KNF	REV	5-8-72	None

DWG. CATEGORY: CRITICAL

T:\WORK DOCUMENTS\NEW\020235\DRAWINGS\CAUS\26035 CAL 7/30/02 2:18:51 PM



9C092-H

