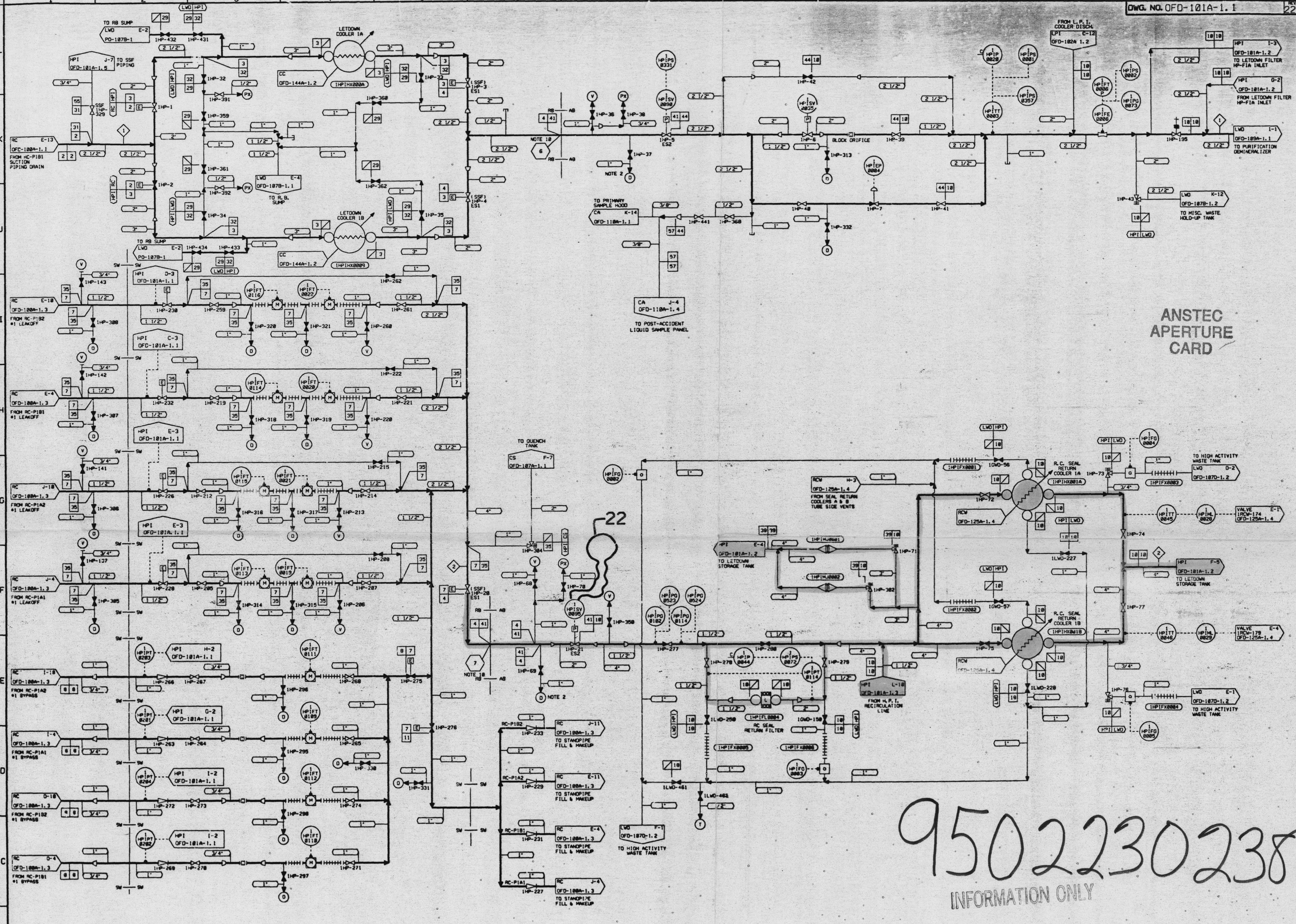
DWG. NO. OFD-101A-1.1 REV. 22



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NOTES:

1. OPERATING MODE REPRESENTED BY BOLD LINES: ONE HPI PUMP SUPPLYING R.C. PUMP SEAL INJECTION & MAKEUP FLOW.
2. CONNECTION FOR PERFORMING CLASS "C" LEAKAGE TEST OF RB ISOLATION VALVE & HYDRO TEST.
3. ENLARGED PIPE TO BE 9' LONG FOR N16 DECAY.
4. 1/2" THRU 12" SCH.=160
5. 1/2" THRU 4" SCH.=160
6. 1/2" THRU 2" SCH.=40
   2 1/2" THRU 12" SCH.=10S
7. 1/2" THRU 2" SCH.=40
   2 1/2" THRU 4" SCH.=10S
8. 1/2" THRU 2" SCH.=40
9. 1/2" THRU 2" SCH.=40
   2 1/2" THRU 10" SCH.=10S
   14" THRU 18" SCH.=10
10. FOR TRANSITION DETAIL SEE O-439C.
11. THE ORIGINAL ISSUE OF THIS DRAWING IS BASED ON PO-101A-1, REV. 27 & PO-101B-1, REV. 36.

DESIGN PARAMETERS

LINE NO.	DESIGN PRESS.	DESIGN TEMP.	DUKE CLASS	MATERIAL	PIPE SPEC. NO.	PIPE SCH. NO.	ISI CLASS
2	2500	650°	A	SS	1501.1	NOTE 5	A
3	2500	600°	B	SS	1501.2	NOTE 4	A
4	2500	200°	C	SS	1501.3	NOTE 4	B
7	2500	650°	B	SS	1501.2	NOTE 5	C
8	2500	650°	C	SS	1501.3	NOTE 5	C
10	150	200°	C	SS	151.3	NOTE 6	C
11	55	300°	E	SS	151.3	NOTE 7	-
18	150	200°	E	SS	151.4	NOTE 8	-
29	2500	600°	E	SS	1501.4	NOTE 4	-
32	2500	600°	BC	SS	1501.3	NOTE 4	A
35	2500	550°	BC	SS	1501.3	NOTE 5	C
39	100	200°	C	SS	151.3	NOTE 6	C
41	2500	200°	C	SS	1501.3	XXS	B
44	2500	200°	C	SS	1501.3	NOTE 4	C
55	2500	637	B	SS	2501.1	160	B
31	2500	650°	AC	SS	1501.1	NOTE 5	A
57	2500	200°	C	SS	2701.1	0.035" WALL	C

DESIGN FLOW

NO.	FLOW
1	25 GPM
2	33 GPM

QA CONDITION 2

QA CONDITION 1

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	CIVIL (INSPECTED)	ELEC. (INSPECTED)	MECH. (INSPECTED)
22	REV. PER OE-6171	JMF	6-15-94	ARC	6-15-94	PMS	6/15/94	GJN	NEJ	JBB
21	REV. PER OE-6293 & OE-6294	RBC	6-13-94	JMF	6-13-94	PMS	6-13-94	GJN	NET	JBB
20	REV PER OE-5263, OE-6170 AND	RBC	6-2-94	TEH	6-2-94	PMS	6-6-94	GLA	JAK	JBB
---	REV. PER NSM ON-12939/00, IMP. DATE	---	---	---	---	---	---	---	---	---
---	5-31-94, REV. PER NSM ON-52832/00	---	---	---	---	---	---	---	---	---
---	PT. AM1, IMP. DATE: 5-31-94, TO SHOW	---	---	---	---	---	---	---	---	---
---	THE DELETION OF 1RIA-36	---	---	---	---	---	---	---	---	---
ORIG.	ORIGINAL DRAWING RETIRED	RBC	5-31-94	---	---	---	---	---	---	---

DUKE POWER COMPANY
OCONEE NUCLEAR STATION UNIT 1

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FLOW DIAGRAM OF HIGH PRESSURE INJECTION SYSTEM (LETDOWN SECTION)

DESIGNER CW WILSON DATE 11-17-83 — INSP. HG McKAY DATE 12-20-83
DRAWN ED MOYLE DATE 11-17-83 — INSP. GM BOSTIAN DATE 12-20-83
CHECKED JB STRINGER DATE 11-21-83 — APPR. BE WARDELL DATE 12-20-83

SCALE — DWG. NO. OFD-101A-1.1 — REV. 22

ERN: 0X000LFJ