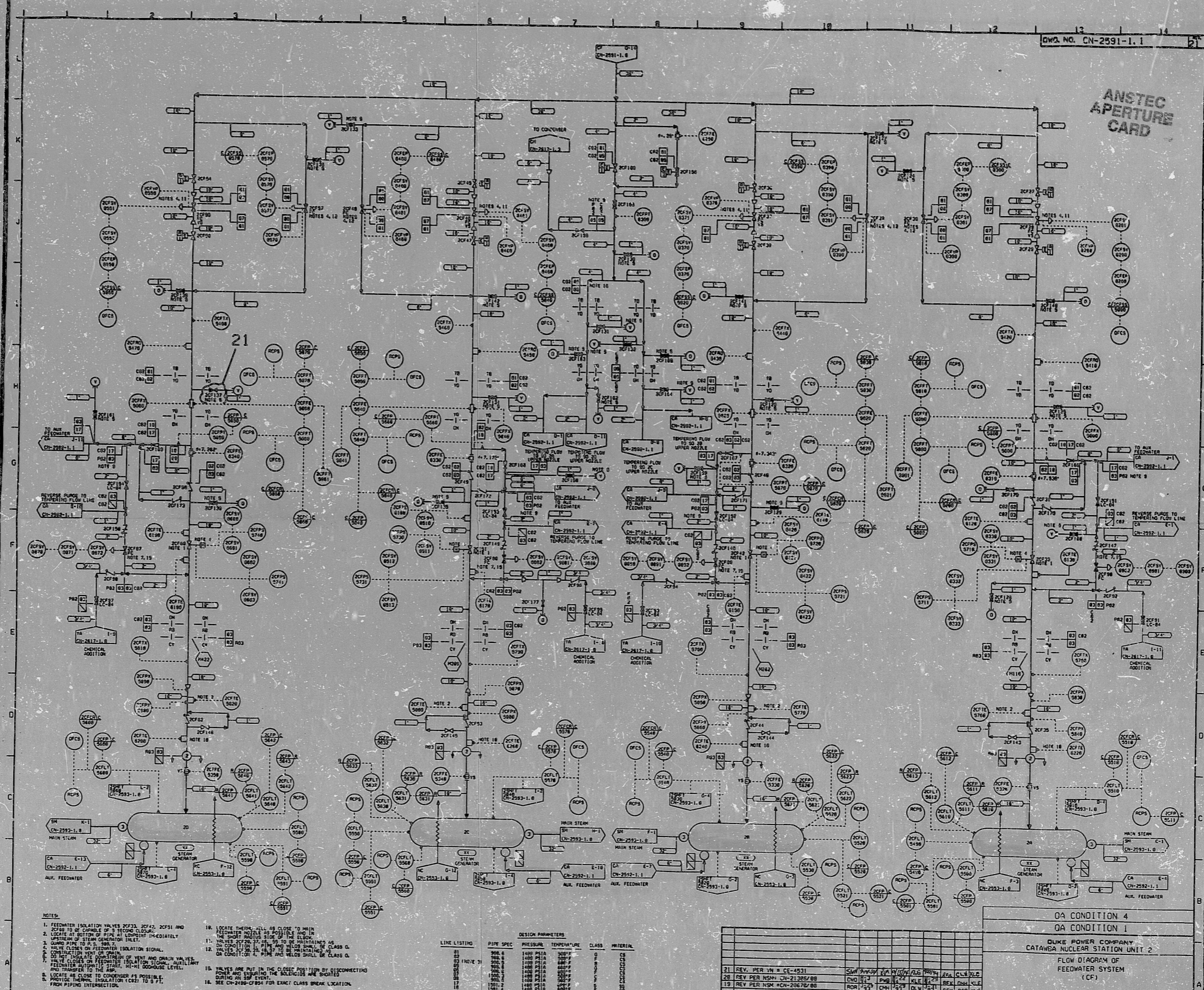


ANSTEC APERTURE CARD



- NOTES:**
1. FEEDWATER ISOLATION VALVES 20F23, 20F42, 20F91 AND 20F94 TO BE CLOSED UP TO 1 SECOND CLASS.
 2. LOCATE AT BOTTOM OF PIPE AT LOWPOINT IMMEDIATELY UPSTREAM OF STEAM GENERATOR INLET.
 3. VALVE CLOSURE ON FEEDWATER ISOLATION SIGNAL.
 4. VALVE CLOSURE ON VENT AND DRAIN VALVES.
 5. VALVE CLOSURE ON FEEDWATER ISOLATION SIGNAL, AUXILIARY FEEDWATER ISOLATION SIGNAL, IN-NE DRAINAGE LEVEL.
 6. LOCATE AS CLOSE TO COMPRESSOR AS POSSIBLE.
 7. PROVIDE THERMAL INSULATION (1" MIN) TO 5 FT. FROM PIPING INTERSECTION.
 8. LOCATE THERM. INS. AS CLOSE TO MAIN FEEDWATER ISOLATION VALVE AS POSSIBLE AND IN THE CENTER OF THE VALVE.
 9. VALVE CLOSURE ON FEEDWATER ISOLATION SIGNAL.
 10. VALVE CLOSURE ON VENT AND DRAIN VALVES.
 11. VALVE CLOSURE ON FEEDWATER ISOLATION SIGNAL, AUXILIARY FEEDWATER ISOLATION SIGNAL, IN-NE DRAINAGE LEVEL.
 12. CLASSIFICATION OF PIPE AND VALVE SHALL BE CLASS Q.
 13. VALVE CLOSURE ON FEEDWATER ISOLATION SIGNAL.
 14. VALVE CLOSURE ON VENT AND DRAIN VALVES.
 15. VALVES ARE PUT IN THE CLOSED POSITION BY DISCONNECTING SUPPLY AND TIGHTENING THE BOLTS/CLIPS ARE BROUGHT TO THE CLOSED POSITION.
 16. SEE CN-2486-CF04 FOR EXACT CLASS BREAK LOCATION.

LINE LISTING

LINE NO.	PIPE SPEC.	DESIGN PRESSURE	DESIGN TEMPERATURE	CLASS	MATERIAL
1	100	1000	350°F	Q	CS
2	100	1000	350°F	Q	CS
3	100	1000	350°F	Q	CS
4	100	1000	350°F	Q	CS
5	100	1000	350°F	Q	CS
6	100	1000	350°F	Q	CS
7	100	1000	350°F	Q	CS
8	100	1000	350°F	Q	CS
9	100	1000	350°F	Q	CS
10	100	1000	350°F	Q	CS
11	100	1000	350°F	Q	CS
12	100	1000	350°F	Q	CS
13	100	1000	350°F	Q	CS
14	100	1000	350°F	Q	CS
15	100	1000	350°F	Q	CS
16	100	1000	350°F	Q	CS
17	100	1000	350°F	Q	CS
18	100	1000	350°F	Q	CS
19	100	1000	350°F	Q	CS
20	100	1000	350°F	Q	CS
21	100	1000	350°F	Q	CS
22	100	1000	350°F	Q	CS
23	100	1000	350°F	Q	CS
24	100	1000	350°F	Q	CS
25	100	1000	350°F	Q	CS
26	100	1000	350°F	Q	CS
27	100	1000	350°F	Q	CS
28	100	1000	350°F	Q	CS
29	100	1000	350°F	Q	CS
30	100	1000	350°F	Q	CS
31	100	1000	350°F	Q	CS
32	100	1000	350°F	Q	CS
33	100	1000	350°F	Q	CS
34	100	1000	350°F	Q	CS
35	100	1000	350°F	Q	CS
36	100	1000	350°F	Q	CS
37	100	1000	350°F	Q	CS
38	100	1000	350°F	Q	CS
39	100	1000	350°F	Q	CS
40	100	1000	350°F	Q	CS
41	100	1000	350°F	Q	CS
42	100	1000	350°F	Q	CS
43	100	1000	350°F	Q	CS
44	100	1000	350°F	Q	CS
45	100	1000	350°F	Q	CS
46	100	1000	350°F	Q	CS
47	100	1000	350°F	Q	CS
48	100	1000	350°F	Q	CS
49	100	1000	350°F	Q	CS
50	100	1000	350°F	Q	CS

QA CONDITION 4

QA CONDITION 1

DUNE POWER COMPANY
CATAWBA NUCLEAR STATION UNIT 2

FLOW DIAGRAM OF
FEEDWATER SYSTEM
(CF)

REVISIONS

NO.	DATE	BY	CHKD	APP'D	DESCRIPTION
1	08-25-93
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FOR MOD. CN-2134 REV. 02
VNS

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PDR RIDS

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