



ITEM NO.	DESCRIPTION	QTY	UNIT
1	V100	1	VALVE
2	V101	1	VALVE
3	V102	1	VALVE
4	V103	1	VALVE
5	V104	1	VALVE
6	V105	1	VALVE
7	V106	1	VALVE
8	V107	1	VALVE
9	V108	1	VALVE
10	V109	1	VALVE
11	V110	1	VALVE
12	V111	1	VALVE
13	V112	1	VALVE
14	V113	1	VALVE
15	V114	1	VALVE
16	V115	1	VALVE
17	V116	1	VALVE
18	V117	1	VALVE
19	V118	1	VALVE
20	V119	1	VALVE
21	V120	1	VALVE
22	V121	1	VALVE
23	V122	1	VALVE
24	V123	1	VALVE
25	V124	1	VALVE
26	V125	1	VALVE
27	V126	1	VALVE
28	V127	1	VALVE
29	V128	1	VALVE
30	V129	1	VALVE
31	V130	1	VALVE
32	V131	1	VALVE
33	V132	1	VALVE
34	V133	1	VALVE
35	V134	1	VALVE
36	V135	1	VALVE
37	V136	1	VALVE
38	V137	1	VALVE
39	V138	1	VALVE
40	V139	1	VALVE
41	V140	1	VALVE
42	V141	1	VALVE
43	V142	1	VALVE
44	V143	1	VALVE
45	V144	1	VALVE
46	V145	1	VALVE
47	V146	1	VALVE
48	V147	1	VALVE
49	V148	1	VALVE
50	V149	1	VALVE
51	V150	1	VALVE
52	V151	1	VALVE
53	V152	1	VALVE
54	V153	1	VALVE
55	V154	1	VALVE
56	V155	1	VALVE
57	V156	1	VALVE
58	V157	1	VALVE
59	V158	1	VALVE
60	V159	1	VALVE
61	V160	1	VALVE
62	V161	1	VALVE
63	V162	1	VALVE
64	V163	1	VALVE
65	V164	1	VALVE
66	V165	1	VALVE
67	V166	1	VALVE
68	V167	1	VALVE
69	V168	1	VALVE
70	V169	1	VALVE
71	V170	1	VALVE
72	V171	1	VALVE
73	V172	1	VALVE
74	V173	1	VALVE
75	V174	1	VALVE
76	V175	1	VALVE
77	V176	1	VALVE
78	V177	1	VALVE
79	V178	1	VALVE
80	V179	1	VALVE
81	V180	1	VALVE
82	V181	1	VALVE
83	V182	1	VALVE
84	V183	1	VALVE
85	V184	1	VALVE
86	V185	1	VALVE
87	V186	1	VALVE
88	V187	1	VALVE
89	V188	1	VALVE
90	V189	1	VALVE
91	V190	1	VALVE
92	V191	1	VALVE
93	V192	1	VALVE
94	V193	1	VALVE
95	V194	1	VALVE
96	V195	1	VALVE
97	V196	1	VALVE
98	V197	1	VALVE
99	V198	1	VALVE
100	V199	1	VALVE
101	V200	1	VALVE

DOCUMENT USER
CONSULT DCIS 7.3
OBTAIN LATEST
APPLICABLE DOCUMENT
INFORMATION.

- NOTES:
1. ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "RHS" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE PART OF NUCLEAR SAFETY FEATURES SYSTEM.
 2. IF IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED BY E12 UNLESS OTHERWISE PREFIXED).
 3. ALL INSTRUMENT, TEST, DRAIN AND VENT CONNECTIONS ARE 3/4" EXCEPT AS NOTED.
 4. ALL PIPING IS CLASS 311 UNLESS OTHERWISE NOTED.
 5. VALVE POSITIONS ARE SHOWN FOR NORMAL OPERATION OF THE PLANT. THE SYSTEM IS ON STANDBY READY TO START. WRS LFCB MODE OF OPERATION.
 6. -W- INDICATES DISSIMILAR METAL WELDS.
 7. THE ELEMENTS 2RHS-CATE49A-D, IN AREA LEAK DETECTION INSTRUMENTATION ASSOC. WITH THIS SYSTEM ARE SHOWN ON P&ID-573-A-D.
 8. FOR PUMP PERFORMANCE CHARACTERISTICS SEE S&W MFR'S NUMBER 16.310-001-026.
 9. THE SOLENOID VALVE WITHIN THE AIR OPERATOR (A.O.) ON 2RHS-ADV150 SHALL BE DISCONNECTED AND REMOVED A PERMANENT CONNECTION WITH A WAXED BLOCK VALVE AND VENT VALVE SHALL BE MADE FROM IAS TO THE AIR LINE INTERNAL TO THE A.O. WHICH LEADS FROM THE REMOVED ELEMENT TO THE AIR PRESSURE. THIS CONNECTION WILL PERMIT PERIODIC FUNCTIONAL TESTING OF 2RHS-ADV150 IN ACCORDANCE WITH THE ASME XI PROGRAM.
 10. ASME B31.1 OR ASME B31.3 OR ASME B31.4 SHALL BE USED TO DETERMINE THE WALL THICKNESS OF THIS VALVE TO THE CLASS 301 AND B31.1 PIPING.
 11. THIS INSTRUMENT REQUIRES SPECIAL QUALIFICATION AND MAY BE PURCHASED, INSTALLED, TESTED AND CALIBRATED TO QUALITY ASSURANCE CATEGORY 3 REQUIREMENTS.
 12. VALVE 2RHS-V192 IS NORMALLY LOCKED CLOSED. THIS VALVE MUST BE OPENED DURING THE PERFORMANCE OF A TYPE A CONTAINMENT LEAK RATE TEST.
 13. # INDICATES EQUIPMENT OR INSTRUMENT SUPPLIED BY GE-NEC.
 14. LINES FROM RELIEF VALVES TO SUPPRESSION POOL CONTINUOUSLY TO SUPPRESSION POOL 1/4" PER FOOT MINIMUM.
 15. ROUTE VENT AND DRAIN LINES TO FUNNELS LOCATED IN ACCORDANCE WITH THE ASME B31.1. LOW RADIATION AREAS AND GATE VALVES AS CLOSE AS POSSIBLE TO CRIM FUNNELS WHERE NOTED.
 16. THESE LEVEL SWITCHES ARE PROVIDED WITH A 1" MOUNTING CONNECTION AND ARE TO BE MOUNTED IN THE RUN OF A PIPE IN THE DIRECTION OF FLOW.

NUCLEAR SAFETY RELATED
QA CAT. III

PIPING & INSTRUMENTATION DIAGRAM
RESIDUAL HEAT REMOVAL

THIS DRAWING CREATED ELECTRONICALLY

TI
PIPING
CARD

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR CONSTRUCTION	10/1/77	J. J. ...	J. J. ...
2	REVISION	10/1/77	J. J. ...	J. J. ...
3	REVISION	10/1/77	J. J. ...	J. J. ...
4	REVISION	10/1/77	J. J. ...	J. J. ...
5	REVISION	10/1/77	J. J. ...	J. J. ...
6	REVISION	10/1/77	J. J. ...	J. J. ...
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28	REVISION	10/1/77	J. J. ...	J. J. ...
29	REVISION	10/1/77	J. J. ...	J. J. ...
30	REVISION	10/1/77	J. J. ...	J. J. ...

PDR RIDS

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