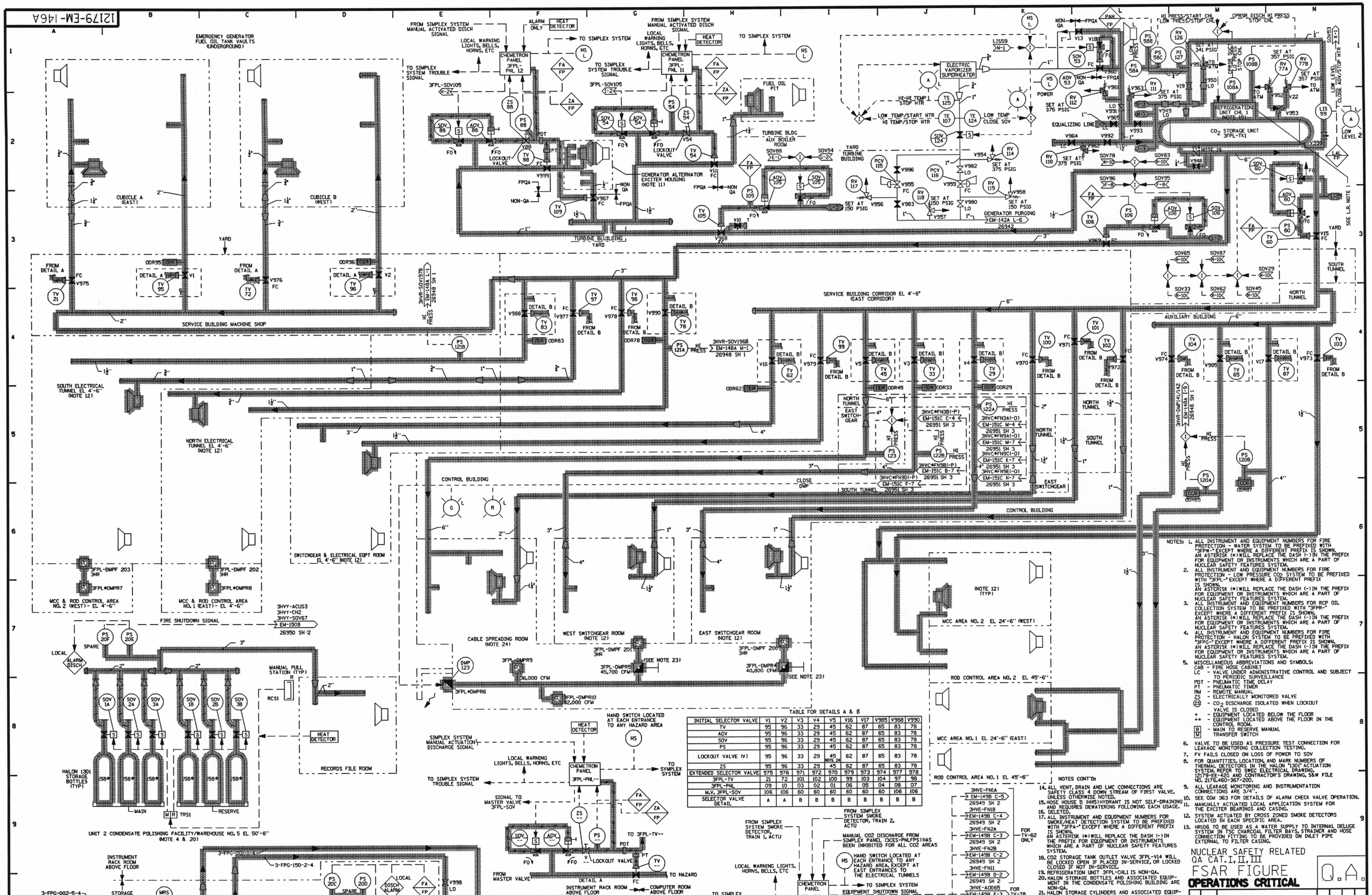

TABLE FOR DETAILS A & B

INITIAL SELECTOR VALVE	V1	V2	V3	V4	V5	V16	V17	V985	V988	V990
TV	95	96	33	29	45	62	87	65	83	78
AOV	95	96	33	29	45	62	87	65	83	78
SOV	95	96	33	29	45	62	87	65	83	78
PS	95	96	33	29	45	62	87	65	83	78
LOCKOUT VALVE (V)	95	96	33	29	45 NOTE 24	62	87	65	83	78
ZS	95	96	33	29	45	62	87	65	83	78
EXTENDED SELECTOR VALVE	975	976	971	972	970	979	973	974	977	978
3FPL-TV	21	72	101	102	100	99	103	104	97	98
3FPL-PNL	09	10	03	02	01	06	05	04	08	07
M.V. 3FPL-SOV	106	106	60	60	60	60	60	60	106	106
SELECTOR VALVE DETAIL	A	A	B	B	B	B	B	B	B	B

NOTES:

1. ALL INSTRUMENT AND EQUIPMENT NUMBERS FOR FIRE PROTECTION - WATER SYSTEM TO BE PREFIXED WITH "3FPW-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEM.
2. ALL INSTRUMENT AND EQUIPMENT NUMBERS FOR FIRE PROTECTION - LOW PRESSURE CO_2 SYSTEM TO BE PREFIXED WITH "3FPL-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEM.
3. ALL INSTRUMENT AND EQUIPMENT NUMBERS FOR RCP OIL COLLECTION SYSTEM TO BE PREFIXED WITH "3FPR-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEM.
4. ALL INSTRUMENT AND EQUIPMENT NUMBERS FOR FIRE PROTECTION - HALON SYSTEM TO BE PREFIXED WITH "3FPG-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEM.
5. MISCELLANEOUS ABBREVIATIONS AND SYMBOLS:
   - CAB - FIRE HOSE CABINET
   - LC - VALVE UNDER ADMINISTRATIVE CONTROL AND SUBJECT TO PERIODIC SURVEILLANCE
   - PDT - PNEUMATIC TIME DELAY
   - PT - PNEUMATIC TIMER
   - RM - REMOTE MANUAL
   - ZS - ELECTRICALLY MONITORED VALVE
   - (ZS) - CO_2 DISCHARGE ISOLATED WHEN LOCKOUT VALVE IS CLOSED
   - + - EQUIPMENT LOCATED BELOW THE FLOOR
   - ++ - EQUIPMENT LOCATED ABOVE THE FLOOR IN THE CONTROL ROOM.
   - R/M - MAIN TO RESERVE MANUAL TRANSFER SWITCH
6. VALVE TO BE USED AS PRESSURE TEST CONNECTION FOR LEAKAGE MONITORING COLLECTION TESTING.
7. FV FAILS CLOSED ON LOSS OF POWER TO SOV
8. FOR QUANTITIES, LOCATION, AND MARK NUMBERS OF THERMAL DETECTORS IN THE HALON "1301" ACTUATION SYSTEM, REFER TO SWEC ELECTRICAL DRAWING, 12179-EE-42G AND CONTRACTOR'S DRAWING, S&W FILE NO. 2176.460-367-20D.
9. ALL LEAKAGE MONITORING AND INSTRUMENTATION CONNECTIONS ARE 3/4".
10. SEE OIM 363 FOR DETAILS OF ALARM CHECK VALVE OPERATION.
11. MANUALLY ACTUATED LOCAL APPLICATION SYSTEM FOR THE EXCITER BEARINGS AND CASING.
12. SYSTEM ACTUATED BY CROSS ZONED SMOKE DETECTORS LOCATED IN EACH SPECIFIC AREA.
13. HR106 TO BE USED AS A WATER SUPPLY TO INTERNAL DELUGE SYSTEM IN TSC CHARCOAL FILTER BAYS. STRAINER AND HOSE CONNECTION FITTING TO BE PROVIDED ON INLET PIPE EXTERNAL TO FILTER CASING.

NOTES CONT'D:

14. ALL VENT, DRAIN AND LMC CONNECTIONS ARE SAFETY CLASS 4 DOWN STREAM OF FIRST VALVE, UNLESS OTHERWISE NOTED.
15. HOSE HOUSE 5 (HH5) HYDRANT IS NOT SELF-DRAINING AND REQUIRES DEWATERING FOLLOWING EACH USAGE.
16. DELETED.
17. ALL INSTRUMENT AND EQUIPMENT NUMBERS FOR SMOKE/HEAT DETECTION SYSTEM TO BE PREFIXED WITH "3FPA-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEM.
18. CO2 STORAGE TANK OUTLET VALVE 3FPL-V14 WILL BE LOCKED OPEN IF PLACED IN-SERVICE, OR LOCKED CLOSED IF NOT IN-SERVICE.
19. REFRIGERATION UNIT 3FPL-CHL1 IS NON-QA.
20. HALON STORAGE BOTTLES AND ASSOCIATED EQUIPMENT IN THE CONDENSATE POLISHING BUILDING ARE NON-QA.
21. HALON STORAGE CYLINDERS AND ASSOCIATED EQUIPMENT FOR THE INSTRUMENT RACK ROOM ARE FPQA. HALON STORAGE CYLINDERS AND ASSOCIATED EQUIPMENT FOR THE COMPUTER ROOM ARE NON-QA.

NOTES CONT'D:

22. THE SYSTEM OPERATIONS PROCEDURE GOVERNS THE POSTIONING OF VALVES AND DAMPERS (OPEN/ CLOSED/ LOCKED), VALVE/ DAMPER POSITIONS DEPICTED ON THE P&ID ARE FOR GUIDANCE ONLY. REFER TO THE SPECIFIC PROCEDUREFOR VERIFICATION OF VALVE/ DAMPER POSITION.
23. CO_2 RELIEF PATH DAMPERS 3FPL-DMPR4 AND 3FPL-DMPR5 ARE NORMALLY CLOSED AND MUST BE MANUALLY OPENED PRIOR TO CO_2 DISCHARGE TO THE EAST & WEST SWITCHGEAR ROOMS RESPECTIVELY.
24. CABLE SPREADING AREA ZONE LOCKOUT VALVE (3FPL-V45) IS LOCKED CLOSED BY TEMP. MOD. NO. 3-01-035 TO ENSURE CARBON DIOXIDE IS NOT DISCHARGED INTO CABLE SPREADING AREA. THIS DISABLES THE CARBON DIOXIDE FIRE SUPPRESSION SYSTEM DESIGN FEATURE FOR THE CABLE SPREADING AREA.

NUCLEAR SAFETY RELATED
QA CAT. I, II, III
FSAR FIGURE
OPERATIONS CRITICAL
Q.A.

CAD
NOTE: MANUAL REVISIONS TO THIS DOCUMENT WHEN AS-BUILT ARE PROHIBITED.

REV.	DATE	DESCRIPTION	BY	CHK	CORR	APP
		REVISIONS DURING CONSTRUCTION	P.A. No.			

P.A.*	NO.	DATE	REVISIONS	BY	CHK.	CORR	APP
N/A	00	2-25-02	INITIAL ISSUE PER REV 22	CLW			

ISSUED PER MASTER DRAWING 25212-26946 SH. 1 OF 4 — REV 22

Dominion Nuclear Connecticut Inc.
Millstone Power Station

TITLE: MILLSTONE POWER STATION-UNIT NO. 3
LICENSE RENEWAL DIAGRAM
FIRE PROTECTION

BY / CHKD. / APP. / APP.
DATE / DATE / DATE / DATE
SCALE NONE / MICROFILM DATE / DWG. NO. 25212-LR26946 SH. 1 OF 4 00

STONE & WEBSTER ENGINEERING CORPORATION
BOSTON, MASS.

RESP. ENGR: W.SHERMAN/F.FORTINI
DESN. ENGR: C.E.MIDDENDORF

S&W DWG. NO.12179-EM- 146A

L. R. NOTES:
1. ONLY CO2 COOLING COIL IS IN SCOPE FOR PRESSURE BOUNDARY.

D083

COMPONENTS SUBJECT TO AGING MANAGEMENT REVIEW	
3341	FIRE PROTECTION

NOTE: SOME SHADED LINES MAY CONTAIN COMPONENTS FROM MORE THAN ONE SYSTEM.

Submitted by SEKULIC on Monday December 22 2003 at 07:30:53 AM EST