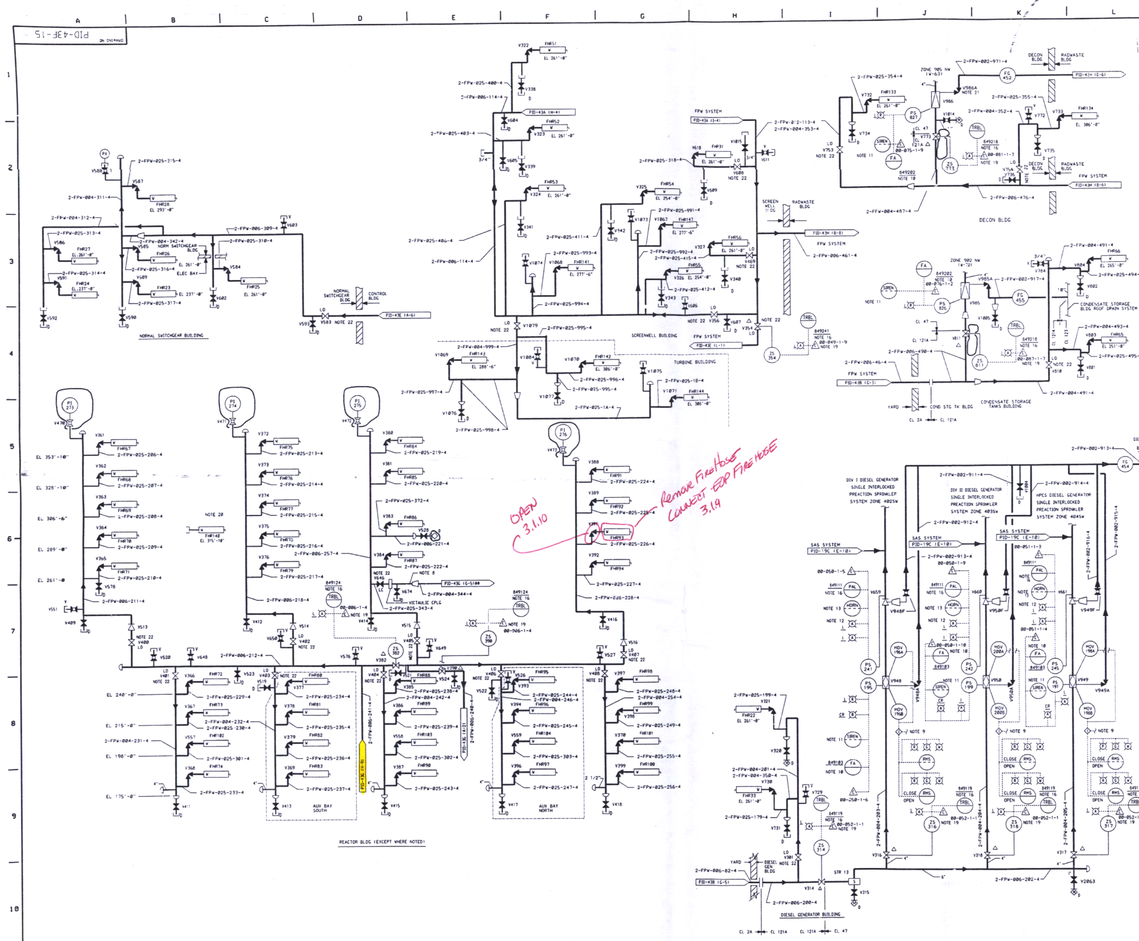

MARK NUMBER	VAL-VE DESCRIPTION	SIZE	NO. OF VAL-VES
V314,V82,V96,V311	VGF013-SC-4#R	4"	4
V315,316,317,318,6RX, V319,320,321,322,323, V502,504,506,508,509, V510,512,514,516,517, V518,520,522,524,525, V526,528,	VGF013-SC-4#R SPEC PA802 & PA804		22
V328,330,332,334, V329,331,333,335, V401,411,412,413, V414,415,416,417,418, V419,420,421,422,423, V424,425,426,427,428, V430,680,681,684,685,687, V686,688,689,690,691, V1816,1817	VGT013-C-4	3/4"	41
V101,102,103,104,105, V106,107,108,109,110, V184,185,186,187,188, V189,190,191,192,193, V194,195,196,197,198, V199,200,201,202,203, V204,205,206,207,208, V209,210,211,212,213, V214,215,216,217,218, V219,220,221,222,223, V224,225,226,227,228, V229,230,231,232,233, V234,235,236,237,238, V239,240,241,242,243, V244,245,246,247,248, V249,250,251,252,253, V254,255,256,257,258, V259,260,261,262,263, V264,265,266,267,268, V269,270,271,272, V1802,1804,1806,1808, V1810,1812,1814,1816, V1818,1819	VATB13-A-4 VATB17-C-4	2 1/2"	62
V1800,1801	VGF013-BC-4#R	4"	2
V1806,1807	VGF013-BB-4#R	4"	2
V1812	VGF013-BC-4#R	4"	1
V416,417,418,419,520 V526,527,528,529, V1804,1805,1808,1809 V1814,1815,1818,1819 V1813,1816,1817,1820	VGT013D-4-4	3/4"	23
V1801,1802,1803,1804	VGF013-SB-4#R	2 1/2"	4
V515,516,517,518	VCF013-4-4#R	4"	4
V1804,1805	VCS012-C-4	3/4"	2
V180,181,182,183,184 V185,186,187,188,189 V190,191	VGF013-SB-4#R	4"	9
V1819	VGF013-SBB-4#R	4"	1

ASSOCIATED EQUIPMENT MARK NUMBER			
VALVE NO	VALVE TYPE	PRESSURE SWITCH	ACTUATION
V948	PREACTION	PS196	MOV196A,B
V949	PREACTION	PS197	MOV198A,B
V958	PREACTION	PS199	MOV200A,B
V985	ALARM CHECK	PS826	———
V986	ALARM CHECK	PS827	———

VALVE NO	LOW AIR PRESSURE SWITCH
V948	PS241
V949	PS245
V958	PS242

NOTES:

1. ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "2FPW-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
2. ALL PIPING, VALVES, ETC. SHALL BE HYDROTESTED 5 HOURS @ 150 PSIG.
3. VALVES MARKED * (C) ARE PROVIDED WITH POSITION SWITCHES FOR CONTROL ROOM.
4. ALL PIPING IS 304L/316L EXCEPT WHERE SPECIFIED OTHERWISE.
5. LOCAL VENT, TEST AND DRAIN CONNECTIONS ARE 3/4" EXCEPT WHERE SPECIFIED OTHERWISE.
6. ALL HOSE STATIONS HAVE 2-1/2" x 1-1/2" HOSE REDUCERS.
7. ALL VALVES ARE 150# FLANGED EXCEPT WHERE SPECIFIED OTHERWISE.
8. *V1786, 1788 AND 1789 ARE ACTUATING VALVES FOR THEIR ASSOCIATED DELUGE VALVES.
9. *V1787 AND 1790 ARE MANUAL FORCE WHICH IS REQUIRED DURING NORMAL PLANT OPERATION. IT IS INSTALLED WHEN THE PLANT IS DOWN AND FIRE PROTECTION IS NEEDED. THIS VALVE WILL OPEN ON LOSS OF AIR. ALSO, THIS VALVE IS ACTUATED FROM ASSOCIATED ZONE.
10. COMMON FIRE ANNUNCIATOR AT PB49 FOR EACH LOCAL PANEL.
11. COMMON FIRE SIREN FOR EACH PANEL.
12. COMMON SUPERVISORY TROUBLE STATUS LIGHT FOR EACH LOCAL PANEL.
13. COMMON SUPERVISORY TROUBLE HORN FOR EACH LOCAL PANEL.
14. COMMON SUPERVISORY TROUBLE COMPUTER INPUT FOR EACH LOCAL PANEL.
15. INPUT FROM ANY SINGLE SMOKE DETECTOR IN ASSOCIATED ZONE.
16. COMMON SUPERVISORY TROUBLE ANNUNCIATOR AT PB49 FOR EACH LOCAL PANEL.
17. COMMON FIRE ALARM STATUS LIGHT FOR EACH LOCAL PANEL.
18. COMPUTER GENERATED ALARM.
19. COMMON FIRE COMPUTER INPUT FOR ALL SUPERVISED MANUAL VALVES ASSOCIATED WITH THE LOCAL PANEL.
20. PER APPENDIX R EFEN SR-418-95-34-BN AND LOCN WWPC-499 ADDITIONAL HOSE REELS ARE REQUIRED IN PORTIONS OF SDN BUILDING. QUANTITY AND LOCATION WILL BE SHOWN LATER PER AS-BUILT CONDITION.
21. ANGLE DRAINS VALVES ARE INCLUDED IN MANUFACTURER'S DELUGE, ALARM CHECK OR DRY PIPE VALVE TRIM PACKAGE.
22. BREAK AWAY LOCKS ARE USED ON THESE VALVES AND NOT HARD CORE LOCKS.

THIS DRAWING WAS PRODUCED ELECTRONICALLY ON BEHALF OF TAMERAN INCORPORATED

QUALITY RELATED
SAR FIG. 9.5-1f

NIAGARA MOHAWK
NINE MILE POINT
NUCLEAR STATION - UNIT 2
SCRIBA, N.Y.

PIPING & INSTRUMENTATION DIAGRAM
FIRE PROTECTION - WATER

SCALE NONE | DRAWING NO PID-43F-15

SEE DRAWING MICROFILM FOR PRIOR ISSUES

REV	DATE	DESCRIPTION OF REVISION	W.O.	DFT	DES	CHKD	ENG	ELEC	MECH	STR	MT	REV	DATE	DESCRIPTION OF REVISION	W.O.	DFT	DES	CHKD	ENG	ELEC	MECH	STR
14	5/29/93	ADDED NOTE 20 AND ADDED OPEN AND CLOSED DESIGNATORS ON MOV JEBEL REFERENCE GEN 2-FPW-R1/2			HES	KSB	GEB															
13	11/9/90	INCORPORATES EDC NO. 2M1RN538.FLOW ARROW ADDED ON LINE 2-FPW-025-114-4 FOR CLARITY. REMOVED REDUCER FROM LINE 2-FPW-025-995-4 ON FDR-4-1-1. REDUCER ADDED TO REMAIN AS CLOSE IN, HE AS PER FDR-4-1-1. INCORPORATES 1RX BUMPER.			KJP	PSB																
15	10/13/95	INCORPORATES EDC NO. 2M11254			F.J.O																	

TAMERAN

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