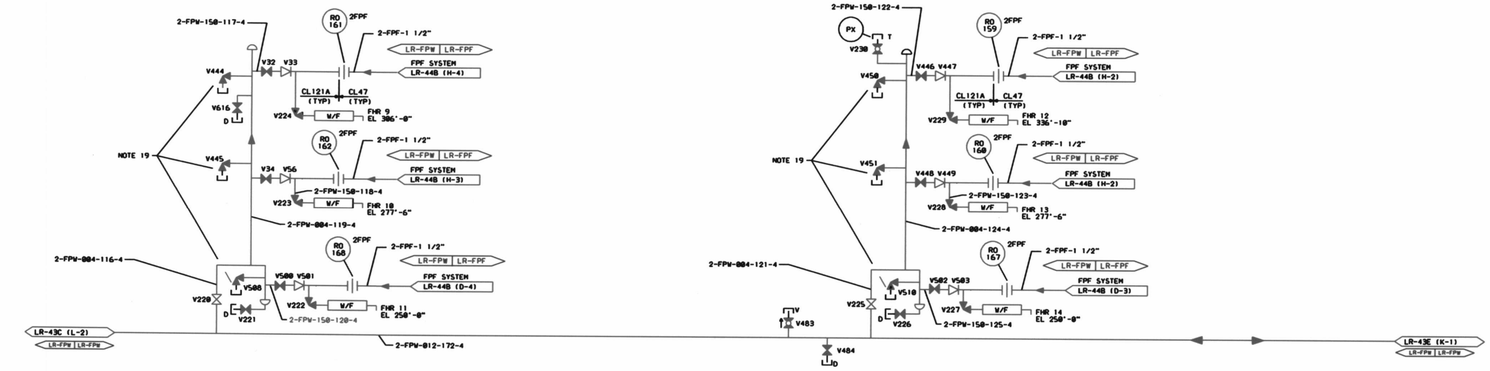
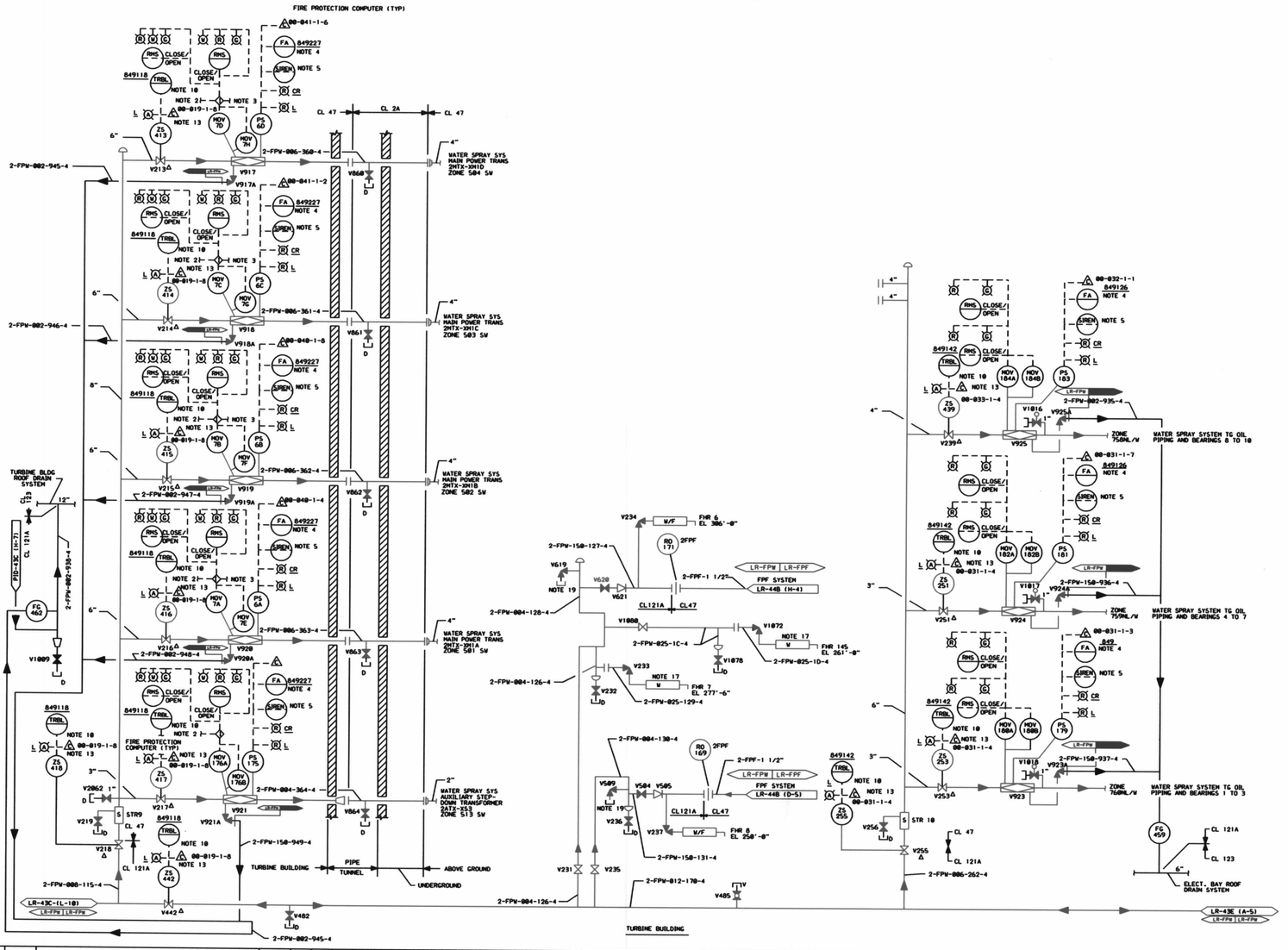
LR-43D-0



MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
V33,34,446 V448,588,502 V584,609	VGT017-E-4	1-1/2"	8
V33,56,447 V449,581,583 V585,621	VCT030-A-4	1-1/2"	8
V213,214,215 V216,217,219 V239,251,253 V254,917,917A V918,918A,919 V919A,920,920A V921,921A,923 V923A,924,924A V925,925A,2862	SUPPLIED BY CONTRACTOR SPEC P482C		27
V218	VGF015-BC-4R	8"	1
V220,225,231 V235	VGF015-BB-4R	4"	4
V221,226,232 V236,482,484 V616,868,861 V862,863,864 V1878	VGT017-E-4	3/4"	13
V222,223,224 V227,228,229 V234,237	VAT017-A-4	1-1/2"	8
V233	VAT017-A-4	2-1/2"	1
V230,483,485	VDT030-A-4	3/4"	3
V442	VGF015-BC-4R	12"	1
V444,445,458 V451,588,589 V518,619	VAT017-B-4	2-1/2"	8
V1009	VGS060-C-4	3/4"	1
V255	VGF015-BC-4R	6"	1
V1008	VGF015-BB-4R	2-1/2"	1
V1816,1817,1818	VBT040-A-4	1"	3
V1072	VAT017-A-4 OR VAT017-C-4	2-1/2"	1

ASSOCIATED EQUIPMENT MARK NUMBERS			
VALVE NO	VALVE TYPE	PRESSURE SWITCH	ACTUATION
917	DELUGE	PS 6D	MOV 7D,H
918	DELUGE	PS 6C	MOV 7C,G
919	DELUGE	PS 6B	MOV 7B,F
920	DELUGE	PS 6A	MOV 7A,E
921	DELUGE	PS 175	MOV 176A,B
923	DELUGE	PS 179	MOV 180A,B
924	DELUGE	PS 181	MOV 182A,B
925	DELUGE	PS 183	MOV 184A,B



NOTES.
1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2FPW", EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
2. MAIN TRANSFORMER 2NTX-XN1 PRIMARY OR BACK-UP ELECTRICAL FAULT SIGNAL.
3. INPUT FROM ANY SINGLE HEAT DETECTOR FROM ASSOCIATED ZONE.
4. COMMON FIRE ANNUNCIATOR AT P849 FOR EACH LOCAL PANEL.
5. COMMON FIRE SIREN FOR EACH LOCAL PANEL.
6. COMMON SUPERVISORY TROUBLE STATUS LIGHT FOR EACH LOCAL PANEL.
7. COMMON SUPERVISORY TROUBLE HORN FOR EACH LOCAL PANEL.
8. COMMON SUPERVISORY TROUBLE COMPUTER INPUT FOR EACH PANEL.
9. INPUT FROM ANY SINGLE SMOKE DETECTOR IN ASSOCIATED ZONE.
10. COMMON SUPERVISORY TROUBLE ANNUNCIATOR AT P849 FOR EACH LOCAL PANEL.
11. COMMON FIRE ALARM STATUS LIGHT FOR EACH LOCAL PANEL.
12. COMPUTER GENERATED ALARM
13. COMMON FIRE COMPUTER INPUT FOR ALL SUPERVISED MANUAL VALVES ASSOCIATED WITH THE LOCAL PANEL.
14. WHERE POSSIBLE, ALL VALVES ARE UNDERWRITER'S LABORATORIES INC. LISTED.
15. VALVES MARKED (Δ) ARE PROVIDED WITH POSITION SWITCHES TO SUPV. FULL OPEN.
16. ALL PIPING IS CL 121A EXCEPT AS OTHERWISE NOTED.
17. ALL HOSE STATIONS HAVE 2-1/2" X 1-1/2" HOSE REDUCERS AFTER ANGLE VALVES TO ACCEPT THE 1-1/2" HOSE STATION.
18. LOCAL VENT AND DRAIN CONNECTIONS ARE 3/4".
19. 2-1/2" FIRE DEPARTMENT HOSE VALVE.
20. ANGLE DRAIN VALVES ARE INCLUDED IN MANUFACTURES DELUGE, ALARM CHECK OR DRY PIPE VALVE TRIM PACKAGE.

LR NOTE:
PLEASE REFER TO DRAWING LR-000 SHEETS 2A THROUGH 2F FOR LR BOUNDARY DRAWING NOTES, SYMBOLS, AND ACRONYMS.

QA CAT III

Constellation Energy Group
NINE MILE POINT NUCLEAR STATION
UNIT 2 - SCRIBA, N.Y.

PIPING & INSTRUMENTATION DIAGRAM
FIRE PROTECTION - WATER

SCALE NONE
DRAWING NO LR-43D-0

NF	REV	DATE	DESCRIPTION OF REVISION	M.O.	DFT	DES	CHKD	ENG	ELEC	MECH	STR

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