LR-43F-0
ON SHEAVES

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
V314,382,398,811	VGF015-BC-4R	6"	4
V315,316,317,318,650, V660,661,948,948A, V948F,949,949A,949F, V950,950A,950F,985, V985A,986,986A V1014,2063	SUPPLIED BY CONTRACTOR SPEC P402G & P402X		22
V309,310,339,340,341 V342,343 V409,411,412,413 V414,415,416,417,418 V519,521,522,523,524 V528,536,598,592, V593,682,684,685,687 V689,691,731,734,735 V736,881,882,1815 V1870,1871	VGT017-E-4	3/4"	41
V321,322,323,324,325 V326,327,351,352,353 V354,355,364,367,368 V369,378,372,373,374 V375,376,377,378,379 V380,381,383,384,385 V386,387,388,389,391 V392,393,394,396,397 V398,399,557,558,559 V584,585,586,587,589 V591,618,728,729,733, V882,884,1867,1868 V1869,1870,1871	VAT017-A-4 OR VAT017-C-4	2 1/2"	68
V354	VGF015-BC-4R	12"	1
V356,583	VGF015-BB-4R	6"	2
V480,482,485,487	VGF015-BB-4F	6"	4
V773	VGF015-BC-4F	4"	1
V478,471,472,473,528 V526,527,551,576 V588,683,686,611,648 V649,656,729,771,784 V1873,1874,1875,1884	VOT038-A-4	3/4"	23
V407,680,645	VGF015-BB-4R	2 1/2"	3
V613,614,615,516	VGF017-A-4F	6"	4
V1884,1885,	VGS060-C-4	3/4"	2
V381,401,403,484 V486,488,753,754 V818	VGF015-BB-4R	4"	9
V1879	VGF015-BB-4R	4"	1

ASSOCIATED EQUIPMENT MARK NUMBER			
VALVE NO	VALVE TYPE	PRESSURE SWITCH	ACTUATION
V948	PREACTION	PS195	MOV196A,B
V949	PREACTION	PS197	MOV198A,B
V950	PREACTION	PS199	MOV200A,B
V985	ALARM CHECK	PS806	———
V986	ALARM CHECK	PS827	———

VALVE NO	LOW AIR PRESSURE SWITCH
V948	PS241
V949	PS245
V950	PS242

NOTES.

1. ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "2FPW-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
2. WHERE POSSIBLE, ALL VALVES SHALL BE UNDERWRITER'S LABORATORY INCORPORATED LISTED.
3. VALVES MARKED (S) ARE PROVIDED WITH POSITION SWITCHES TO SUPERVISE FULL OPEN.
4. ALL PIPING IS CL 121A 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 AFTER ANGLE VALVE TO ACCEPT THE 1-1/2" HOSE STATION.
7. MOV196, 198 AND 200 ARE ACTUATING VALVES FOR THEIR ASSOCIATED DELUGE VALVES.
8. THIS IS A REMOVABLE SPOOL PIECE WHICH IS REMOVED DURING NORMAL PLANT OPERATION. IT IS INSTALLED WHEN THE PLANT IS DOWN AND FIRE PROTECTION IS NEEDED INSIDE THE PRIMARY CONTAINMENT.
9. INPUT FROM ANY SINGLE HEAT DETECTOR FROM ASSOCIATED ZONE.
10. COMMON FIRE ANNUNCIATOR AT P849 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 P849 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 ITEM 50-41B/85-34-06 AND LDCN #88PC-499 ADDITIONAL HOSE REELS ARE REQUIRED IN PORTIONS OF SOME BUILDINGS. 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.

QA CAT III

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

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

Constellation Energy Group

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

PIPING & INSTRUMENTATION DIAGRAM
FIRE PROTECTION - WATER

SCALE NONE | DRAWING NO LR-43F-0

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