



MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
V185, 281, 775, 788	VCFB15-BC-4R	12"	4
V186, 187, 188	VCFB15-BC-4F	6"	5
V191, 190	VCFB15-BC-4R	4"	2
V191, 282	VCFB15-BC-4R	4"	2
V192, 193, 283	VATB17-A-4	2-1/2"	3
V194, 284, 281	VATB17-E-4	3/4"	18
V568, 569, 965	VCFB15-BC-4R	6"	1
V567, 966	VCFB15-BC-4R	6"	1
V195	VCFB15-BC-4R	6"	1
V197, 199, 288	SUPPLIED BY CONTRACTOR SPEC PAR62		43
V287, 288, 218, 212			
V194, 281, 282, 283, 284			
V564, 561, 581A, 581B			
V562, 562A, 565, 565A			
V563A, 564, 584A			
V567A, 567, 587A			
V565F, 566, 586A, 587			
V567A, 567, 587A			
V918, 918A, 912			
V912, 914, 914A			
V916, 916A			
V289, 289A			
V211	VCFB15-BC-4R	18"	1
V488	VATB17-A-4	3/4"	1
V782, 783	VATB17-E-4	1-1/2"	2
V1897, 1898	VC580B-C-4	3/4"	2

VALVE NO.	VALVE TYPE	PRESSURE SWITCH	ACTION
981	DELUGE	PS 139	HDV227A,B
982	DELUGE	PS 148	HDV228A,B
983	DRY PIPE	PS 141	HDV229A,B
984	DELUGE	PS 142	HDV230A,B
985	DELUGE	PS 143	HDV231A,B
986	DELUGE	PS 159	HDV168A,B
987	DELUGE	PS 161	HDV162A,B
989	DELUGE	PS 48	HDV58,D
918	DELUGE	PS 165	HDV164A,B
912	ALARM CHECK	PS 144	HDV172A,B
914	DELUGE	PS 171	HDV173A,B
916	DELUGE	PS 48	HDV5A,C

VALVE NO.	LOW AIR PRESS SWITCH
981	PS 235
982	PS 236
983	PS 135
984	PS 237
985	PS 238

- NOTES:
1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2FPW", EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
 2. INPUT FROM ANY SINGLE HEAT DETECTOR FROM ASSOCIATED ZONE.
 3. LOCAL VENT AND DRAIN CONNECTIONS ARE 3/4".
 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 UNDERMETER'S LABORATORIES, INC. LISTED.
 15. VALVES MARKED (A) ARE PROVIDED WITH POSITION SWITCHES TO SUPPLY FULL OPEN.
 16. ALL PIPING IS CL 121A EXCEPT AS OTHERWISE NOTED.
 17. ALL NOSE STATIONS HAVE 2-1/2" X 1-1/2" NOSE REDUCERS AFTER ANGLE VALVES TO ACCEPT THE 1-1/2" NOSE STATION.
 18. LOCAL VENT AND DRAIN CONNECTIONS ARE 3/4" EXCEPT WHERE NOTED OTHERWISE.
 19. ANGLE DRAIN VALVES ARE INCLUDED IN MANUFACTURERS DELUGE, ALARM CHECK OR DRY PIPE VALVE TRIM PACKAGE.
 20. BREAK AWAY LOCKS ARE USED ON THESE VALVES AND NOT HARD CORE LOCKS.

QUALITY RELATED
NON-SAFETY RELATED
SAR FIGURE 9.5-1c

Constellation Energy Group
NINE MILE POINT NUCLEAR STATION
UNIT 2 - SCRIBA, N.Y.
PIPING & INSTRUMENTATION DIAGRAM
FIRE PROTECTION-WATER

SCALE: NONE
DRAWING NO: LR-43C-0

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