



**FIRE PROTECTION WATER SYSTEM VALVE TABLE**

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
V2,3,4	SUPPLIED BY CONTRACTOR SPEC P482V		6
V55,56			2
V5,10,15,16	VGT017-E-4	3/4"	20
V27,48,49,44			
V28,29,30,31			
V22,23			
V24,25			
V26,27			
V28,29,30,31			
V7,8,12,13	VW030-B-4	1/2"	4
V9,14	VCF017-A-4-F	12"	2
V17,37,45,62	VOT030-A-4	3/4"	19
V65,66,67,68			
V25,26			
V22,23,4,36			
V5,10,15,16			
V13,614,615			
V18,19,20	VGF015-BC-4R	12"	5
V29	VGF015-BC-4R	4"	1
V21,22	VGF015-BC-4R	18"	3
V26			
V23,24	VOT030-A-4	1/2"	2
V25	VGF015-BC-4R	8"	1
V31,35	VGT017-E-4	1 1/2"	7
V36,39,41,40			
V49			
V38,42,47	VCT030-A-4	1 1/2"	3
V53,57	VW030-C-4	1/2"	2
V55	VGF015-BC-4R	6"	1
V54,55	VWF017-A-4F	12"	2
V748	VOT030-C-4	3/4"	1
V752,813	VGT030-C-4	1"	2
V814	VGT030-A-4	1"	1
V832	VGT017-E-4C	3/4"	1
V6	VGT030-A-4C	1/4"	1
V265,265,265,267	SUPPLIED BY CONTRACTOR SPEC P482V	1/2"	4
V1838,1831,1832			
V1833,1834,1835	VW030-S	1/2"	6

**ENGINE DRIVEN FIRE PUMP - FUEL OIL SYSTEM VALVE TABLE "2FOF"**

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
V1	VPS015-CC-4A	3/4"	1
V2	VCS080-H-4	3/4"	1
V3	VPS015-C-4A	1"	1
V4,5	VPS015-C-4A	3/4"	2
V6,7	VPS015-G-4A	3/4"	2

- NOTES:**
1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2FOF", EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
  2. ALL VALVES SHOWN ON CORRESPONDING DRAWING TO BE ELECTRICAL INTERLOCKED TO PREVENT INTERNAL LOCATION.
  3. INPUT FROM ANY SINGLE HEAT DETECTOR FROM ASSOCIATED ZONE.
  4. COMMON FIRE ANNUNCIATOR AT P489 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 LOCAL PANEL.
  9. INPUT FROM ANY SINGLE SMOKE DETECTOR IN ASSOCIATED ZONE.
  10. COMMON SUPERVISORY TROUBLE ANNUNCIATOR AT P489 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. LEVEL INDICATOR MOUNTED ON OUTSIDE WALL NEAR FILL CONNECTION.
  15. WHERE POSSIBLE, ALL VALVES ARE UNDERWRITERS LABORATORIES, INC. LISTED.
  16. VALVES MARKED Δ SHALL BE PROVIDED WITH POSITION SWITCHES TO SUPPLY FULL OPEN.
  17. ALL "2FOF" PIPING IS CL121A EXCEPT AS OTHERWISE NOTED.
  18. RO 184, RO 185, RO 186, AND RO 187 ARE 3/32" ORIFICES IN CLIPPER OF CHECK VALVES.
  19. RV 112 & RV 113 ARE SET TO MAINTAIN 150 PSIG.
  20. LOCAL VENT, DRAIN, PRESSURE AND FLOW CONNECTIONS ARE 3/4" EXCEPT WHERE NOTED OTHERWISE.
  21. THIS IS A 6018 OPEN DISCHARGE CONE.
  22. ALL "2FOF" PIPING IS CLASS 151 EXCEPT AS OTHERWISE NOTED.
  23. VALVE V1 IS SUPPLIED WITH A 135° F FUSIBLE LINK OPERATOR.
  24. FOR LOGIC SEE LSK-151-1,2.
  25. UNIONS MAY BE INSTALLED IN THE PROCESS LEG OF ONLY THESE PRESSURE SWITCHES THAT ARE LOCATED DOWNSTREAM OF THE FIRE PROTECTION VALVES, I.E. "D" SIDE OF SYSTEM, TO FACILITATE CALIBRATION.
  26. SYMBOL Δ DENOTES EQUIPMENT INSTRUMENTS AND PIPING SUPPLIED BY CONTRACTOR SPEC P482V.
  27. DISTANCE BETWEEN ORIFICES SHALL BE NOT LESS THAN 5'-0" PER NFPA 20.
  28. CASSETS ON DIESEL ENG. EDR LINES SHALL BE FLAT RING, 1/8" THK, NON-ASBESTOS MATERIAL AS IN PIPE CL 151C.
  29. ALL PIPING SUPPLIED BY MPP-P482G IS CL17 UNLESS OTHERWISE NOTED.
  30. NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.

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

Constellation Energy Group  
NINE MILE POINT NUCLEAR STATION  
UNIT 2 - SCRIBA, N.Y.  
**FIRE PROTECTION WATER SYSTEM**  
FIRE PROTECTION - WATER

SCALE: DRAWING NO. LR-43A-0

166