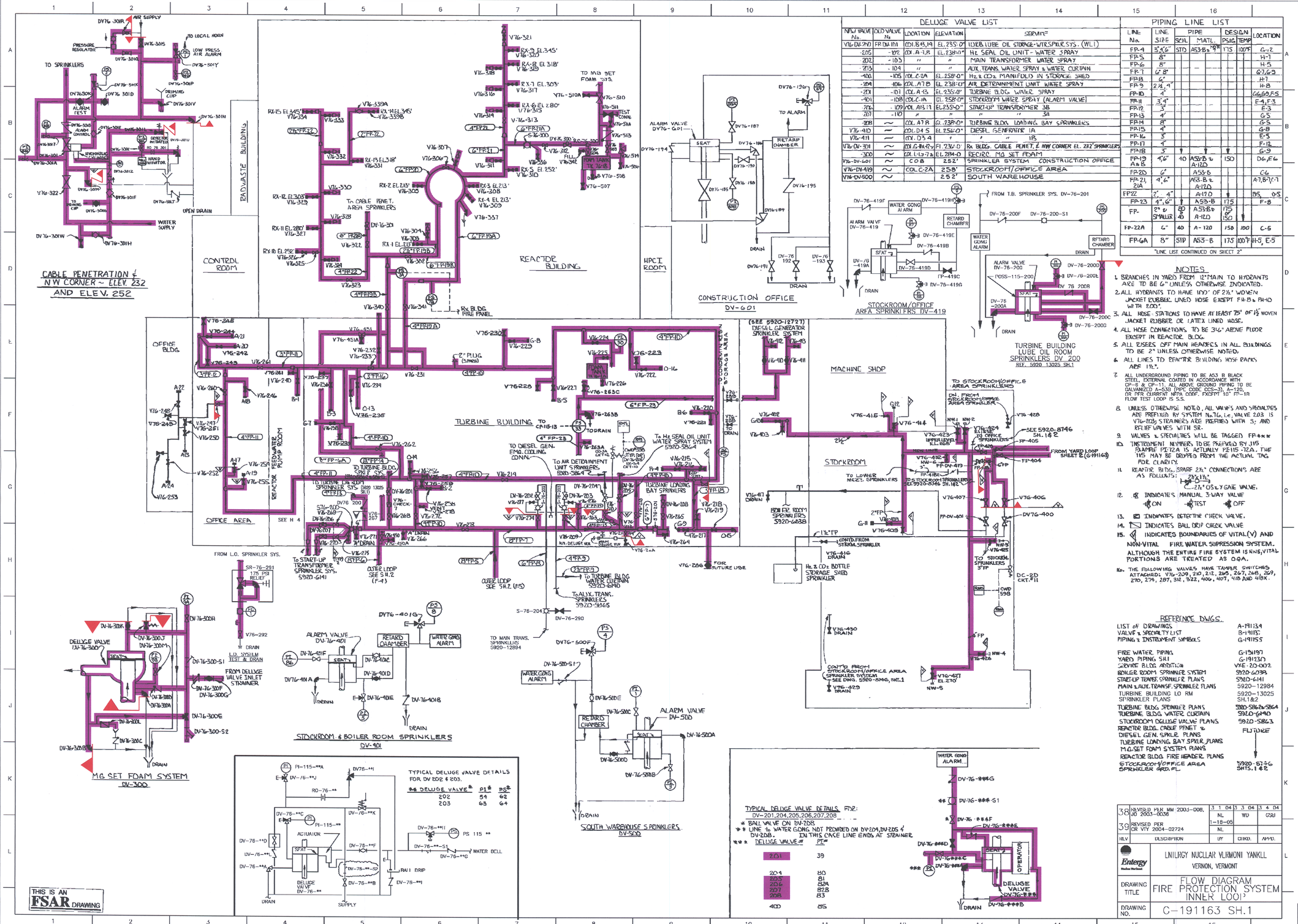

DELUGE VALVE LIST

NEW VALVE No.	OLD VALVE No.	LOCATION	ELEVATION	SERVICE
V76-DV-201	FP-DV-101	COL.B-8,14	EL. 235'-0"	LUBE OIL LUBE OIL STORAGE-WTR.SPRKLR.SYS. (WL1)
-205	-102	COL.A-7,8	EL. 238'-0"	H2 SEAL OIL UNIT - WATER SPRAY
-202	-103	"	"	MAIN TRANSFORMER WATER SPRAY
-203	-104	"	"	AUX. TRANS. WATER SPRAY & WATER CURTAIN
-400	-105	COL.C-2A	EL. 258'-0"	H2 & CO2 MANIFOLD IN STORAGE SHED
-204	-106	COL.A-7,8	EL. 238'-0"	AIR DETERMINENT UNIT WATER SPRAY
-206	-101	COL.A-15	EL. 235'-0"	TURBINE BLDG. WATER SPRAY
-401	-108	COL.C-1A	EL. 258'-0"	STOREROOM WATER SPRAY (ALARM VALVE)
-207	-109	COL.A15,17	EL. 235'-0"	START-UP TRANSFORMER 3B
-201	-110	"	"	" " 3A
-208	~	COL. A7,8	EL. 238'-0"	TURBINE BLDG. LOADING BAY SPRINKLERS
V76-410	~	COL. D-4,5	EL. 256'-0"	DIESEL GENERATOR 1A
V76-411	~	COL. D5,6	" "	" " 1B
V76-DV-301	~	COL.A-8,14,17	EL. 236'-0"	Rx BLDG. CABLE PENET. & NW CORNER EL. 232' SPRINKLERS
-300	~	COL. L-1,2,7,8	EL. 284'-0"	RECIRC. MG SET FOAM
V76-DV-601	~	COL. C-8	252'	SPRINKLER SYSTEM - CONSTRUCTION OFFICE
V76-DV-419	~	COL.C-2A	258'	STOCKROOM/OFFICE AREA
V76-DV-500	~		252'	SOUTH WAREHOUSE

PIPING LINE LIST

LINE No.	LINE SIZE	PIPE SCH.	PIPE MATL.	DESIGN PSIG	DESIGN TEMP	LOCATION
FP-4	3"&6"	STD	A53-B & [illegible]	175	100°F	G-12
FP-5	8"					H-7
FP-6	8"					H-5
FP-7	6"&8"					G-7,G-9
FP-8	6"					H-7
FP-9	2½,4"					H-8
FP-10	4"					G6,G9,F5
FP-11	3",4"					F-4,F-3
FP-12	3"					E-3
FP-13	4"					G-5
FP-14	8"					G-5
FP-15	4"					G-8
FP-16	3"					E-5
FP-17	4"					F-12
FP-18	3"					G-9
FP-19 A&B	4",6"	40	A53-B & A-120	150		D6,E6
FP-20	6"		A53-B			C-6
FP-21, 21A	4",6"		A53-B & A-120			A-7,B-7,C-7
FP22	2",4"		A-120			B5, D-5
FP-23	4",6"		A53-B	175		F-8
FP-	2" & SMALLER	STD 40	A53-B & A-120	175 & 150		
FP-22A	6"	40	A-120	150	100	C-5
FP-6A	8"	STD	A53-B	175	100°F	H-5, E-5

"LINE LIST CONTINUED ON SHEET 2"

NOTES

1. BRANCHES IN YARD FROM 12" MAIN TO HYDRANTS ARE TO BE 6" UNLESS OTHERWISE INDICATED.
2. ALL HYDRANTS TO HAVE 100' OF 2½" WOVEN JACKET RUBBER LINED HOSE EXCEPT FH-B & FH-D WITH 100'.
3. ALL HOSE STATIONS TO HAVE AT LEAST 75' OF 1½" WOVEN JACKET RUBBER OR LATEX LINED HOSE.
4. ALL HOSE CONNECTIONS TO BE 3½" ABOVE FLOOR EXCEPT IN REACTOR BLDG.
5. ALL RISERS OFF MAIN HEADERS IN ALL BUILDINGS TO BE 2" UNLESS OTHERWISE NOTED.
6. ALL LINES TO REACTOR BUILDING HOSE RACKS ARE 1½".
7. ALL UNDERGROUND PIPING TO BE A53 B BLACK STEEL, EXTERNAL COATED IN ACCORDANCE WITH CP-5 & CP-11. ALL ABOVE GROUND PIPING TO BE GALVANIZED A-53B (PIPE CODE CCS-3), A-120, OR PER CURRENT NFPA CODE, EXCEPT 10" FP-1B FLOW TEST LOOP IS S.S.
8. UNLESS OTHERWISE NOTED, ALL VALVES AND SPECIALTIES ARE PREFIXED BY SYSTEM No. 76, i.e., VALVE 203 IS V76-203; STRAINERS ARE PREFIXED WITH S; AND RELIEF VALVES WITH SR.
9. VALVES & SPECIALTIES WILL BE TAGGED FP-###
10. INSTRUMENT NUMBERS TO BE PREFIXED BY 115 EXAMPLE PT-12A IS ACTUALLY PE115-12A. THE 115 MAY BE DROPPED FROM THE ACTUAL TAG FOR CLARITY.
11. REACTOR BLDG. SPARE 2½" CONNECTIONS ARE AS FOLLOWS: 2½"x1½" 2½"x1" OS&Y GATE VALVE.
12. ⊗ INDICATES MANUAL 3-WAY VALVE ⊗ ON ⊗ TEST ⊗ OFF
13. ⊠ INDICATES DETECTIVE CHECK VALVE.
14. ⊠ INDICATES BALL DRIP CHECK VALVE
15. ◁ INDICATES BOUNDARIES OF VITAL(V) AND NON-VITAL FIRE WATER SUPPRESSION SYSTEM. ALTHOUGH THE ENTIRE FIRE SYSTEM IS NNS/VITAL PORTIONS ARE TREATED AS QQA.
16. THE FOLLOWING VALVES HAVE TAMPER SWITCHES ATTACHED: V76-209, 210, 212, 205, 267, 268, 269, 270, 279, 287, 312, 322, 400, 407, 418 AND 418X.

REFERENCE DWGS.

LIST OF DRAWINGS, VALVE & SPECIALTY LIST	A-191134 B-19115
PIPING & INSTRUMENT SYMBOLS	G-191155
FIRE WATER PIPING	G-191197
YARD PIPING SH.1	G-191230
SERVICE BLDG ADDITION	VYS-20-002
BOILER ROOM SPRINKLER SYSTEM	5920-6038
START-UP TRANS. SPRINKLER PLANS	5920-6141
MAIN & ALTX. TRANSF. SPRINKLER PLANS	5920-12984
TURBINE BUILDING LO RM SPRINKLER PLANS	5920-13025 SH.1&2
TURBINE BLDG SPRINKLER PLANS	5920-5862&5864
TURBINE BLDG WATER CURTAIN	5920-6140
STOCKROOM DELUGE VALVE PLANS	5920-5863
REACTOR BLDG. CABLE PENET & DIESEL GEN. SPKLR. PLANS	FUTURE
TURBINE LOADING BAY SPKLR. PLANS	
M.G. SET FOAM SYSTEM PLANS	
REACTOR BLDG. FIRE HEADER PLANS	
STOCKROOM/OFFICE AREA SPRINKLER SYS. FL.	5920-6126 SHTS. 1 & 2

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

FIRE PROTECTION - WATER SYSTEM AMRM-17

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
38	3-1-04	REVISED PER MM 2003-008, JO 2003-0036	NL 1-18-05	3-3-04 WD	3-4-04 GSH	
39		REVISED PER CR VTY 2004-02724	NL			
0	3-29-05	.	.	.	.	.

REVISIONS

Entergy — VERNON, VERMONT

DRAWING TITLE: FLOW DIAGRAM FIRE PROTECTION SYSTEM INNER LOOP

DRAWING NO.: G-191163 SH.1

LRA-G-191163-SH-01-0

CAD FILE: LRA-G-191163-SH-01_39.DGN

WATER TAG: G-191163-SH-01-CALS_39.CAL

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