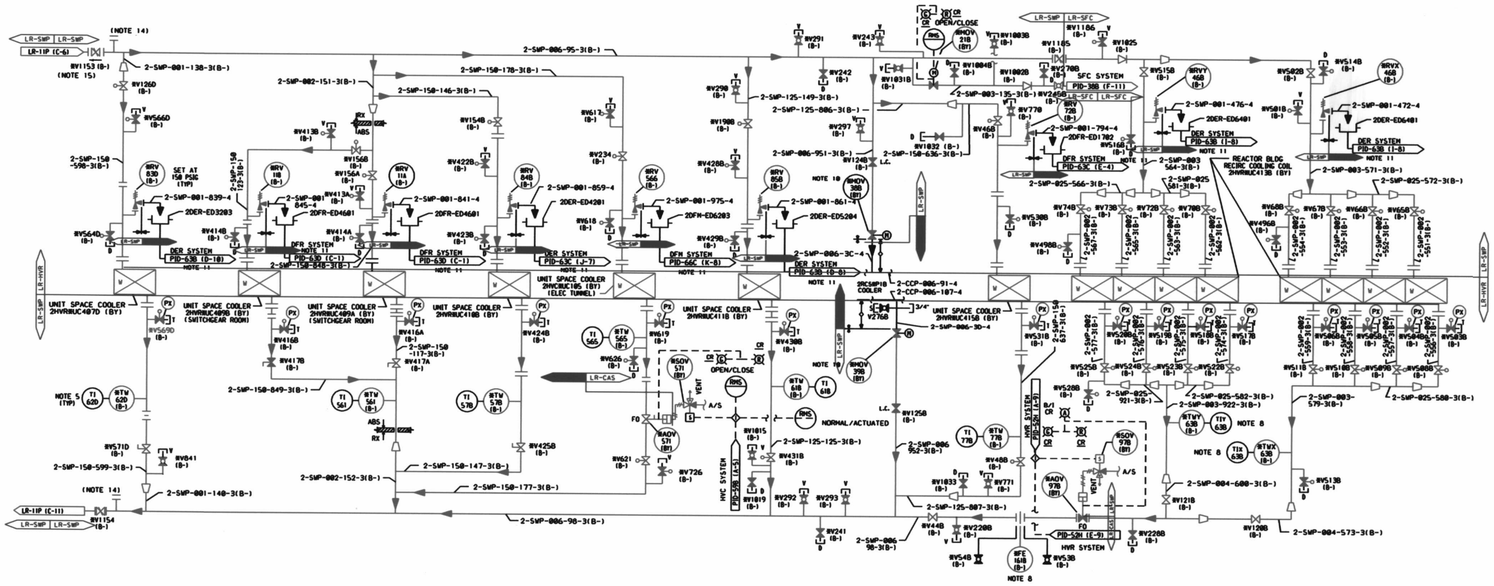
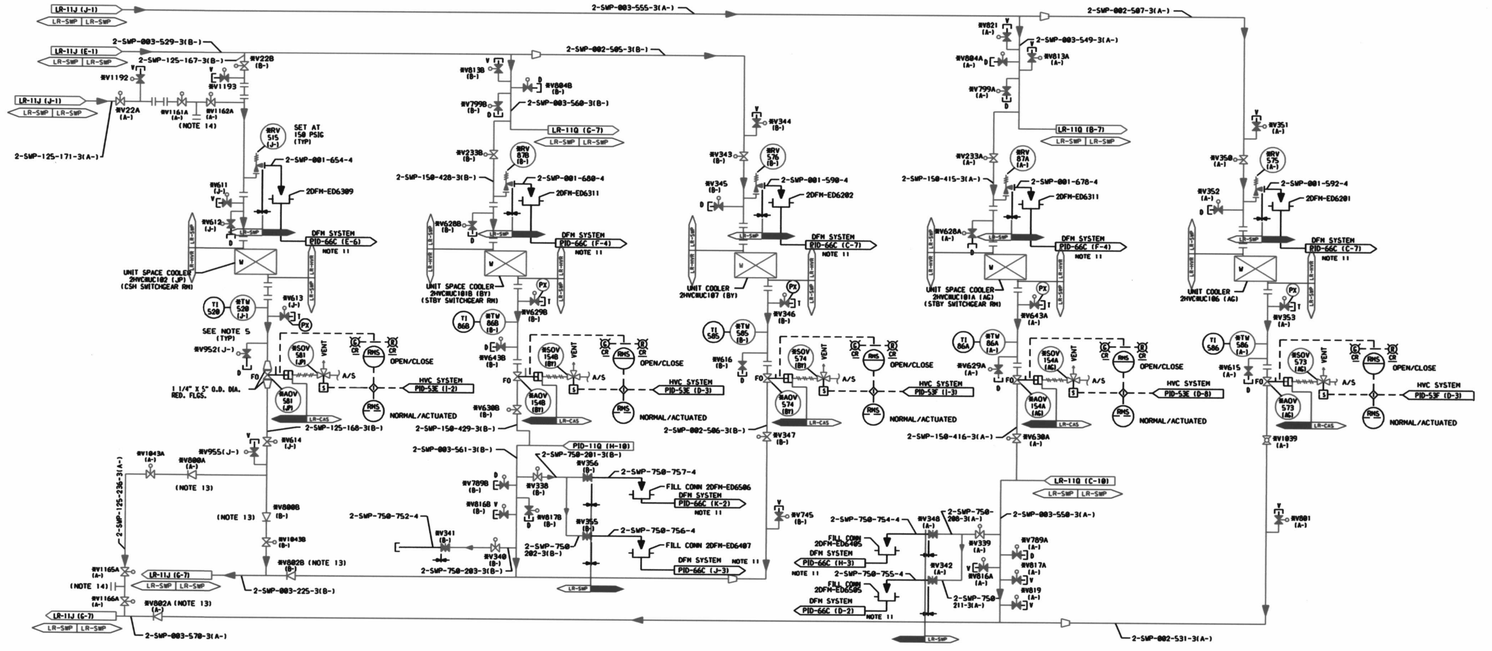
LR-11F-0





MARK NUMBER	VALVE DESCRIPTION	SIZE	NO OF VALVES
ADV 978	VPV811-C-3RD	12"	1
ADV 1544A,B,571	VPV811-C-3R	1 1/2"	3
ADV 573 ,574	VPV811-C-3D	3"	2
ADV 561	VPV811-C-3D	1 1/2"	1
HDV 310	VGH011-P-3HD	3"	1
HDV 309 , 308	VGH011-P-3HD	6"	2
V314A,B, 1908, 1843A,B	V858115-CA-3	1 1/4"	4
V448 ,1248 ,1258	VGH011-P-3K	6"	3
V468	V858115-CA-3	1 1/2"	1
V488	V858115-CB-3	1 1/2"	1
V538 ,548 ,3388	VG0568-D-3	3/4"	16
V543 ,1788 ,998 ,991			
V782 ,993 ,997 ,778			
V771, 841, 1883A, 1815			
V13898			
V658 ,668 ,678 ,688	V858115-CA-3	3"	18
V788 ,788 ,738 ,748			
V343 ,358			
V1388 ,1298	VGH011-P-3K	4"	2
V1360 ,1548 ,1564,B	V858115-CA-3	1 1/2"	7
V1334,B ,234			
V0886,B	VC0568-H-3	1 1/4"	4
V3388 ,341 ,342	VC0568-C-3	3/4"	6
1645 ,646 ,1899 ,1882			
V1823, 1884B			
V2458	VGH011-H-3K	3"	1
V338 ,339 ,348 ,5148	V858115-CA-3	3/4"	11
V786 ,831 ,852 ,955			
V1198,1193,1186			
V341 ,342 ,348 ,355	VG0568-H-3	3/4"	5
V356			
V344 ,345 ,346 ,351	VGH011-CA-3	3/4"	65
V352 ,353 ,413A,B			
V414A,B ,416A,B ,4220			
V423B ,424B ,498B			
V428B ,438B ,498A			
V498B ,5818 ,5838			
V5408 ,5458 ,5488			
V543B ,5468 ,5178			
V548B ,5198 ,5588			
V5288 ,5388 ,5318			
V564B ,5668 ,568B			
V641 ,642 ,643 ,647 ,648			
1639 ,636 ,638A,B			
V6298,B ,643A,B ,745			
V788,B ,795A,B ,8H			
V884,B ,813A,B ,816A			
V848 ,813B ,819 ,8F9			
V347 ,3888	V858115-CB-3	3"	9
V5898 ,5488 ,5418			
V5288 ,5238 ,5548			
V5258			
V13A,B, 4258, V5718	VP5815-JB-3	1 1/2"	4
V438B, 841	V858115-CB-3	1 1/4"	2
V5688 ,5158	VGH015-P-3K	3"	5
V631	V858115-CB-3	1 1/2"	3
V6384,B			
V8858,A, 1885B	VC5015-E-3K	3"	3
V1825	VC5015-E-3K	6"	3
V1839	VG0568-D-3	2"	1
V1168A,1166A	V858015-CG-3	1 1/4"	4
V1166A,1162A			
V1153,1154,1185	VVF0568-D-3R	6"	3
V2788	VG5888-C-3	3/4"	1

NOTES:
1. ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "2SMP-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (8) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE PART OF NUCLEAR SAFETY FEATURES SYSTEM.
2. ALL PIPING SHALL BE CLASS 151 UNLESS OTHERWISE NOTED.
3. ALL VENT, DRAIN, PRESSURE, SAMPLE, AND FLOW CONNECTIONS ARE 3/4" UNLESS OTHERWISE NOTED.
4. ALL TEMPERATURE CONNECTIONS ARE 1 1/4".
5. FOR DETAILS OF PIPING DESIGN FOR THERMOWELL CONNECTIONS, SEE DESIGN DIVISION STANDARD SP-1851-12-2.
6. ALL RV ARE 3/4" X 1" UNLESS OTHERWISE NOTED.
7. 2SMPRFE1618 IS PROVIDED WITH A FULL BORE ORIFICE PLATE FOR USE DURING NORMAL OPERATION. FOR TESTING PURPOSES, A TEMPORARY ORIFICE PLATE WILL BE PROVIDED.
8. FOR DETAILS OF PIPING DESIGN FOR THERMOWELL CONNECTIONS, SEE DESIGN DIVISION STANDARD 12177-C-484-1.
9. ←—→ DENOTES MINIMUM DISTANCE FOR INSTALLATION
10. VALVE IS NON-FUNCTIONAL, POWER SUPPLY IS DISCONNECTED.
11. NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.
12. ALL 3/4" VENT, DRAIN & PRESSURE VALVES HAVE 4 CLASS NIPPLE & CAP, UNLESS OTHERWISE NOTED.
13. VALVE INTERNALS HAVE BEEN REMOVED.
14. THIS CONNECTION WAS DESIGNED FOR USE DURING CHEMICAL CLEANING. ANY OTHER USE REQUIRING THE ATTACHMENT OF PIPING, FITTINGS, OR EQUIPMENT SHALL BE EVALUATED BY ENGINEERING PRIOR TO USE.
15. WHEN AN ARROW APPEARS ADJACENT TO A VALVE ←|—|→, THE VALVE SHALL BE INSTALLED WITH THE BONNET/WALL MARKING IN THE SAME DIRECTION AS THE ARROW REGARDLESS OF THE PIPING FLOW DIRECTION. WHEN BONNET/WALL MARKING IS NOT SHOWN, VALVE SHALL BE INSTALLED WITH THE BONNET/WALL MARKING IN THE SAME DIRECTION AS THE PIPELINE FLOW.

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

SAFETY RELATED
QUALITY RELATED
NON SAFETY RELATED
(REF. SAR FIG. 9.2-1f & ISPT-11F)

THIS DRAWING WAS PRODUCED ELECTRONICALLY. DO NOT MAKE ANY CHANGES MANUALLY.

Constellation Energy Group

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

PIPING & INSTRUMENTATION DIAGRAM

SERVICE WATER SYSTEM

SCALE NONE | DRAWING NO LR-11F-0

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

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