LR-30A-0

MARK NUMBER	VALVE DESCRIPTION	SIZE	NUMBER OF VALVES
FV6A,B	SUPPLIED BY GE-NESO		2
V2019	VGS060-C-4	3/8"	1
V2A,B,3A,B V7A,B,8,9	VGW815-Q-4K	4"	8
V4A,B,5A,B V6A,B,14A,B	SUPPLIED BY GE-NESO		8
V18A,B,13A,B,13A,B, V87,88,156,157,170	VGS060-D-4	3/4"	11
V11	VGS060-C-4	3/4"	1
V16A,B,28,154 V2052A, V2052B	VGS150-F-4	3/4"	6
V17A	VCW090-D-4W	3"	1
V17B	VCW150-D-4W	3"	1
V18A,B,V23B	VGW090-F-4W	3"	3
V19A,B,31A,B,V596	VGS150-W-4	1"	5
V21A,B	VKS150-F-4	1"	2
V26A,B,V33A,B	VGW150-D-4N	3"	4
V27,29,30A,B,32, V57,67,68,73, V93,136A,B,C,D, V155	VGS150-W-4	3/4"	15
V28,34A,B	VGS150-W-4	2"	3
V84,85	VGW030-G-4K	4"	2
V86	VGW030-D-4K	3"	1
V530,539	SUPPLIED UNDER SWECSPEC. NO. C862P		2
V2074A,B,2075A,B	VGS080-D-4	3/4"	4
V23A	VGW090-F-4N	3"	1
V171	VGS060-C-4	3/4"	1
V2005,2006,2007 V2060,2069,2010	SUPPLIED UNDER SWECSPEC. NO. C862P		6
V2058, 2059, 2060, V2061, 2076, 2077, V2078, 2081	V8S-600-S	1/2"	8

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

NOTES:

1. ALL S&W INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "2RDS-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
2. GE-NESO IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED WITH C12).
3. ALL LOCAL VENTS, DRAINS, TEST AND PRESSURE CONNECTIONS ARE 3/4" EXCEPT AS NOTED.
4. ◆ DENOTES DISSIMILAR METAL WELD TRANSITION PIECE AND/OR SPECIAL WELD PROCEDURES REQUIRED.
5. NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.
6. DELETED
7. AVAILABLE FOR TEMPORARY CONNECTIONS FOR INSTRUMENT FLUSHING. NO PERMANENT PIPING CONNECTIONS TO BE MADE TO THESE VALVES.
8. LINE NUMBERS 2-RDS-588-XXXXA-4 (TYP OF 185) ARE COMPLETED AS FOLLOWS; XXXX REPRESENTS THE NUMBER OF THE HCU TO WHICH THAT LINE IS CONNECTED. THE LETTER FOLLOWING THE NUMBER INDICATES LINE FUNCTION. "A" IS CHARGING WATER.
9. ANNUNCIATES SUCCESSFUL AUTOMATIC START OF BACK-UP CONTROL DRIVE WATER PUMPS.
10. UNNUMBERED VALVES SUPPLIED AS PART OF INSTRUMENT INSTALLATION.
11. # DENOTES SUPPLIED BY GE-NESO.
12. STRESS ANALYSIS, PIPE HANGER DESIGN, FABRICATION AND ERECTION OF PIPING AND HANGERS WILL BE DONE BY OTHERS.
13. PROVIDE VENT VALVES AT ALL SYSTEM HIGH POINTS, DRAIN VALVES AT ALL SYSTEM LOW POINTS.
14. DELETED
15. UNNUMBERED PRESSURE INDICATORS (PI) SUPPLIED AS PART OF INSTRUMENT INSTALLATION.
16. DELETED
17. 2RDS-PCV14B IS TO BE OPERATED AS A MANUAL PRESSURE CONTROL VALVE. THE AIR SUPPLY TO REGULATOR ISOLATION VALVE IS MAINTAINED IN THE SHUT POSITION.
18. VALVE 2RDS-V23A WAS REPLACED BY DDC 2M11376 AND HAS SCH. 80 ENDS.

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

QUALITY RELATED
NON-SAFETY RELATED
(REF. SAR. FIG. 4.6-05a)

Constellation Energy Group
NINE MILE POINT NUCLEAR STATION
UNIT 2 – SCRIBA, N.Y.

PIPING & INSTRUMENTATION DIAGRAM
CONTROL ROD DRIVE HYDRAULIC SYSTEM

SCALE NONE
DRAWING NO LR-30A-0

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

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