LR-30C-0

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
V129A, B, C, D			
V130A, B, C, D			
V131A, B, C, D			
V132A, B, C, D			
V133A, B			
V134A, B			
V135A, B			
V136A, B			
V138A, B, C, D			
V139A, B, C, D			
V140A, B, C, D			
V141A, B, C, D			
ADV123, 124	SUPPLIED BY GE-NESD		
ADV130, 132			
V511,561A,B	SUPPLIED UNDER SWEC SPEC. NO. C062P		3
V43	VG4020-N-4	3/4"	1
V559A,560,589A,B V594,595,2000, V2001,2002,2003 V2004,2011,2012, V2013,2014,2015, V2016,2017,2018 V559B	SUPPLIED UNDER SWEC SPEC. NO. C062P		20
V2002,2003,2004	VG5060-C-4	2"	3

NOTES:
1. ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "2RDS-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE PART OF NUCLEAR SAFETY RELATED SYSTEMS.
2. GE -NESO IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED WITH C12).
3. VACUUM BREAKER IS ON HIGH POINT OF VENT LINE.
4. ALL PIPING IS CLASS 911 EXCEPT AS NOTED.
5. UNNUMBERED PRESSURE INDICATORS (PI) SUPPLIED AS PART OF INSTRUMENT INSTALLATION.
6. LINE NUMBERS 2-RDS-500-XXXXG-2 AND 2-RDS-500-XXXXH-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 "G" IS SCRAM DISCHARGE HEADER AND LINE FUNCTION "H" IS SCRAM AIR.
7. STRESS ANALYSIS, PIPE HANGER, DESIGN FABRICATION AND ERECTION OF PIPING AN HANGERS WILL BE DONE BY OTHERS.
8. ▪ DENOTES EQUIPMENT SUPPLIED BY GE-NESO.
9. H-O-H DENOTES MINIMUM DISTANCE FOR INSTALLATION.
10. THE PNEUMATIC PIPING FROM NEEDLE VALVE C12-F159B (2RDS-V559B) AND SOLENOID VALVE C12-F089 (2RDS#SOV154) TO THE VENT AND DRAIN VALVES C12-F181, F811, F810, F180 (2RDS#ADV130, #ADV123, #ADV124, #ADV132) SHALL BE ROUTED AND SUPPORTED TO MINIMIZE THE POSSIBILITY OF PIPE CRAMP.
11. ⧫ DENOTES DISSIMILAR METAL WELD.

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

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

SAFETY RELATED
QUALITY RELATED
NON-SAFETY RELATED
(REF. SAR FIG. 4.6-05c & ISPT-30C)

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-30C-0

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

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