12177-PID-8S-5

EXTRACTION STEAM SYSTEM VALVE TABLE "2ESS-"

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
HV46A	VOS838-M-4Q	2"	1
MOV5A	VGW838-W-4PVQ	12"	1
NRV34A	VCW838-X-4P50	12"	1
V1	VGW838-S-4PV	3"	1
V3A,9,187,188, V208A	VGS868-G-4	3/4"	5
V4A	VGS868-E-4	2"	1
V6,7	VGS868-E-4	1"	2
V8	VGS868-E-4	3/4"	1

L.P. FEEDWATER HEATER DRAINS SYSTEM VALVE TABLE "2HDH-"

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
SOV29A	VOS150-FD-4Q	3/4"	1
V1A,15A,17A, V18A,19A,28A, V21A,28A,31A	VGS868-D-4	3/4"	9
V2A,3A,4A, V11A,12A,13A	VGS868-C-4	2"	6
V5A,6A,7A, V8A,9A,18A	VGS868-C-4	1"	6
V14A,16A,22A, V23A,24A,25A, V26A,27A,30A	VGS868-C-4	3/4"	9

FEEDWATER HEATER RELIEF, VENTS & DRAINS SYSTEM VALVE TABLE "2SVH-"

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
HV26A	VOS150-C-4Q	3/4"	1
HV27A	VOS838-C-4Q	2"	1
V61A	VOS150-F-4	1"	1
V62A	VGS868-C-4	2"	1
V63A,64A,91A	VOS150-F-4	3/4"	3
V65A	VOS868-D-4	3/4"	1
V66A	VOS868-D-4	1-1/2"	1

NOTES.
1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2ESS-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
2. Δ CONNECTIONS ONLY PROVIDED FOR ASME TEST. INSTRUMENTS WILL NOT BE PROVIDED.
3. ALL "2ESS-" PIPING SHALL BE CLASS 333M UNLESS OTHERWISE SHOWN.
4. + INDICATES LOCATED IN RADIATION ZONE 4,5, OR 6.
5. ALL "2HDH-" PIPING SHALL BE CLASS 301 UNLESS OTHERWISE SHOWN.
6. ALL VENTS AND DRAINS ARE 3/4" UNLESS OTHERWISE SHOWN.
7. SAMPLE CONNECTIONS PER S&W SKETCH 12177-A-77.
8. ALL "2SVH-" PIPING SHALL BE CLASS 301 UNLESS OTHERWISE SHOWN.
9. ALL "2SVH-" HV'S FAIL CLOSED.
10. ALL "2SVH-" REDUCERS ARE CL 301.
11. ASME PRESSURE CONNECTIONS ARE 1/2". ALL OTHER PRESSURE CONNECTIONS ARE 3/4".
12. ASME SAMPLE TAP ALSO TO BE USED FOR SST SYSTEM.
13. ** SUPPLIED BY HEATER MANUFACTURER.
14. NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.
15. ◄► DENOTES DISSIMILAR METAL WELD.

THIS DRAWING CREATED ELECTRONICALLY

SI APERTURE CARD

07-141-91

QA CAT II

PIPING & INSTRUMENTATION DIAGRAM
FEEDWATER HEATERS &
EXTRACTION STEAM SYSTEMS

NINE MILE POINT NUCLEAR STATION-UNIT 2
NIAGARA MOHAWK POWER CORPORATION

STONE & WEBSTER ENGINEERING CORPORATION
CHERRY HILL, N.J.

DRAWING NUMBER 12177-PID-8S-5

DESIGNED BY D.DEL MOORE DRAWN BY D.DEL MOORE
DESIGN CHKD BY E.F.CURRAN CHKD BY E.F.CURRAN

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