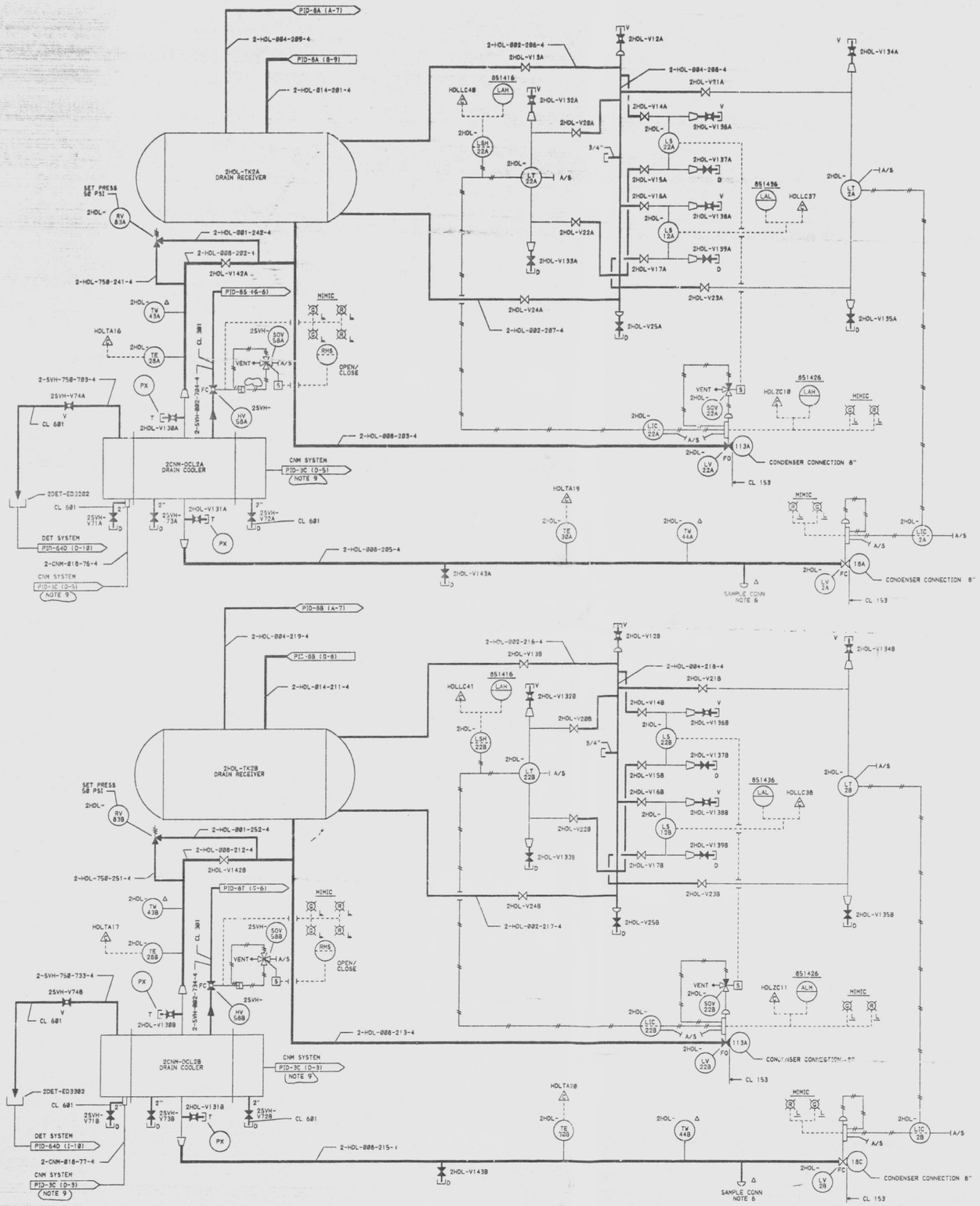
12177-PID-8D-5



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

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
V13A;13B, V28A;28B, V21A;21B, V22A;22B, V23A;23B, V24A;24B	VG5060-C-4	2"	12
V14A;14B, V15A;15B, V16A;16B, V17A;17B	VG5060-C-4	1"	8
V12A;12B, V136A;136B, V131A;131B, V132A;132B, V134A;134B, V135A;135B, V138A;138B,	VG5060-D-4	3/4"	14
V25A;25B, V133A;133B, V135A;135B, V137A;137B, V139A;139B, V143A;143B,	VG5060-C-4	3/4"	12
V142A;142B	VGW015-Q-4K	8"	2

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

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
HV58A;58B	VO5015-C-4Q	2"	2
V71A;71B, V72A;72B, V73A;73B	VG5060-C-4	2"	6
V74A;74B	VO5060-D-4	3/4"	2

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 FURNISHED.
3. ALL "2HDL-" PIPING SHALL BE CLASS 151 UNLESS OTHERWISE SHOWN.
4. ALL PIPING TO LEVEL SWITCHES IS 1", TO LEVEL TRANSMITTERS IS 2".
5. ALL VENTS AND DRAINS ARE 3/4" UNLESS OTHERWISE SHOWN.
6. SAMPLE CONNECTIONS PER S&W SKETCH 12177-A-77.
7. ALL "2SVH-" PIPING SHALL BE CLASS 301 UNLESS OTHERWISE SHOWN.
8. ALL HV'S ARE FAIL CLOSED.
9. NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.

THIS DRAWING CREATED ELECTRONICALLY

SI
APERTURE
CARD

07-141-91

QA CAT II

ISSUE	DESCRIPTION	CHKD	CORRECT
6			
5	INCORPORATES EDC NO. 2M00032		
4	ISSUED FOR COMPUTER DATA BASE UPDATE ONLY		
3	AS TESTED ISSUE INCORPORATES ECN NO'S ESS-012,401,402,520,SVH-003,005, HDL-016,017,021,508,591,601,602		
2	ADDED A/S (J-8, J-10) INCORPORATES ECN NO. SVH-003		
1	ORIGINAL ISSUE INCORPORATES ECN NO'S. ESS-001 TO 009 HDL-001 TO 014 HDH-001 TO 004 SVH-001 TO 002		

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-8D-5

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

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