



VALVE NUMBER	POSITION	VALVE NUMBER	POSITION	VALVE NUMBER	POSITION	VALVE NUMBER	POSITION
V779.273.008.900		V802.273.008.900		V803.273.008.900		V804.273.008.900	
V805.273.008.900		V806.273.008.900		V807.273.008.900		V808.273.008.900	
V809.273.008.900		V810.273.008.900		V811.273.008.900		V812.273.008.900	
V813.273.008.900		V814.273.008.900		V815.273.008.900		V816.273.008.900	
V817.273.008.900		V818.273.008.900		V819.273.008.900		V820.273.008.900	
V821.273.008.900		V822.273.008.900		V823.273.008.900		V824.273.008.900	
V825.273.008.900		V826.273.008.900		V827.273.008.900		V828.273.008.900	
V829.273.008.900		V830.273.008.900		V831.273.008.900		V832.273.008.900	
V833.273.008.900		V834.273.008.900		V835.273.008.900		V836.273.008.900	
V837.273.008.900		V838.273.008.900		V839.273.008.900		V840.273.008.900	
V841.273.008.900		V842.273.008.900		V843.273.008.900		V844.273.008.900	
V845.273.008.900		V846.273.008.900		V847.273.008.900		V848.273.008.900	
V849.273.008.900		V850.273.008.900		V851.273.008.900		V852.273.008.900	
V853.273.008.900		V854.273.008.900		V855.273.008.900		V856.273.008.900	
V857.273.008.900		V858.273.008.900		V859.273.008.900		V860.273.008.900	
V861.273.008.900		V862.273.008.900		V863.273.008.900		V864.273.008.900	
V865.273.008.900		V866.273.008.900		V867.273.008.900		V868.273.008.900	
V869.273.008.900		V870.273.008.900		V871.273.008.900		V872.273.008.900	
V873.273.008.900		V874.273.008.900		V875.273.008.900		V876.273.008.900	
V877.273.008.900		V878.273.008.900		V879.273.008.900		V880.273.008.900	
V881.273.008.900		V882.273.008.900		V883.273.008.900		V884.273.008.900	
V885.273.008.900		V886.273.008.900		V887.273.008.900		V888.273.008.900	
V889.273.008.900		V890.273.008.900		V891.273.008.900		V892.273.008.900	
V893.273.008.900		V894.273.008.900		V895.273.008.900		V896.273.008.900	
V897.273.008.900		V898.273.008.900		V899.273.008.900		V900.273.008.900	

VALVE NUMBER	POSITION	VALVE NUMBER	POSITION
V801	2510	V802	2510
V803	2510	V804	2510
V805	2510	V806	2510
V807	2510	V808	2510
V809	2510	V810	2510
V811	2510	V812	2510
V813	2510	V814	2510
V815	2510	V816	2510
V817	2510	V818	2510
V819	2510	V820	2510
V821	2510	V822	2510
V823	2510	V824	2510
V825	2510	V826	2510
V827	2510	V828	2510
V829	2510	V830	2510
V831	2510	V832	2510
V833	2510	V834	2510
V835	2510	V836	2510
V837	2510	V838	2510
V839	2510	V840	2510
V841	2510	V842	2510
V843	2510	V844	2510
V845	2510	V846	2510
V847	2510	V848	2510
V849	2510	V850	2510
V851	2510	V852	2510
V853	2510	V854	2510
V855	2510	V856	2510
V857	2510	V858	2510
V859	2510	V860	2510
V861	2510	V862	2510
V863	2510	V864	2510
V865	2510	V866	2510
V867	2510	V868	2510
V869	2510	V870	2510
V871	2510	V872	2510
V873	2510	V874	2510
V875	2510	V876	2510
V877	2510	V878	2510
V879	2510	V880	2510
V881	2510	V882	2510
V883	2510	V884	2510
V885	2510	V886	2510
V887	2510	V888	2510
V889	2510	V890	2510
V891	2510	V892	2510
V893	2510	V894	2510
V895	2510	V896	2510
V897	2510	V898	2510
V899	2510	V900	2510

- NOTES
1. ALL INSTRUMENTS AND EQUIPMENT NUMBERS TO BE PROVIDED WITH "FPW" EXCEPT WHERE NOTED AS OTHERWISE IN THIS DRAWING. INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEM.
 2. WHERE POSSIBLE, ALL VALVES SHALL BE UNDERWRITERS LABORATORY LISTED.
 3. VALVES MARKED (A) SHALL BE PROVIDED WITH POSITION SWITCHES TO SUPPLY FULL OPEN.
 4. ALL PIPING IS CLEAN EXCEPT WHERE OTHERWISE NOTED.
 5. LOCAL VENT AND DRAIN CONNECTIONS ARE 3/4" EXCEPT WHERE OTHERWISE NOTED.
 6. HOSE STATIONS HAVE 1/2" x 1/2" HOSE REELERS AFTER ANGLE VALVE TO ACCEPT THE 1/2" HOSE STATION.
 7. (A) IS A REMOVABLE SPOOL PIECE WHICH IS REMOVED DURING NORMAL PLANT SHUT DOWN TO BE INSTALLED WHEN LOCAL VENT IS TO BE USED. IF PROTECTION IS NEEDED INSIDE THE PRIMARY CONTAINMENT.
 8. TERMINATED WITH 1/2" N. M. MALE THREAD, CL. 7 PIP.
 9. INPUT FROM ANY SINGLE HEAT DETECTOR FROM ASSOCIATED ZONE.
 10. COMMON FIRE ALARMATOR AT PHAS FOR EACH LOCAL PANEL.
 11. COMMON FIRE SORN FOR EACH LOCAL PANEL.
 12. COMMON SUPERVISORY TROUBLE STATUS LIGHT FOR EACH LOCAL PANEL.
 13. COMMON SUPERVISORY HORN FOR EACH LOCAL PANEL.
 14. COMMON SUPERVISORY TROUBLE COMPUTER INPUT FOR EACH LOCAL PANEL.
 15. INPUT FROM ANY SINGLE SMOKE DETECTOR IN ASSOCIATED ZONE.
 16. COMMON SUPERVISORY TROUBLE ANNUNCIATOR AT PHAS FOR EACH LOCAL PANEL.
 17. COMMON FIRE ALARM STATUS LIGHT.
 18. COMPUTER GENERATED ALARM.
 19. COMMON FIRE COMPUTER INPUT FOR ALL SUPERVISED MANUAL VALVES ASSOCIATED WITH THE LOCAL PANEL.
 20. ISOLATION VALVES INSTALLED TO FLOW ABOVE OR BELOW VALVE BODY POINTS OUT OF CONTAINMENT INTO REACTOR BUILDING.
 21. MOVING 200, 200, 200, 200 ARE ACTUATING VALVES FOR THEIR ASSOCIATED ISOLATION VALVES.
 22. NORTH AND SOUTH ARE PART OF THE TRIM PACKAGES. FLOW VALVES ARE INSTALLED IN REACTOR BUILDING.
 23. JAWNS SHOULD BE THROTTLED TO ALLOW ONLY DRIP FLOW TO KEEP A LOOP SEAL FILL.
 24. CAPTED PIPING ARE FOR FUTURE.
 25. ANGLE DRAIN VALVES ARE INSTALLED IN REACTOR BUILDING OR DRY PIPE VALVE TRIM PACKAGE.

REVISIONS

NO. 26	DATE	DESCRIPTION
1	10/1/78	ISSUE FOR CONSTRUCTION

TI APERTURE CARD

NUCLEAR SAFETY RELATED
QA CAT III

PIPING & INSTRUMENTATION DIAGRAM
FIRE PROTECTION - WATER

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

PDR RIDS

8709170127

