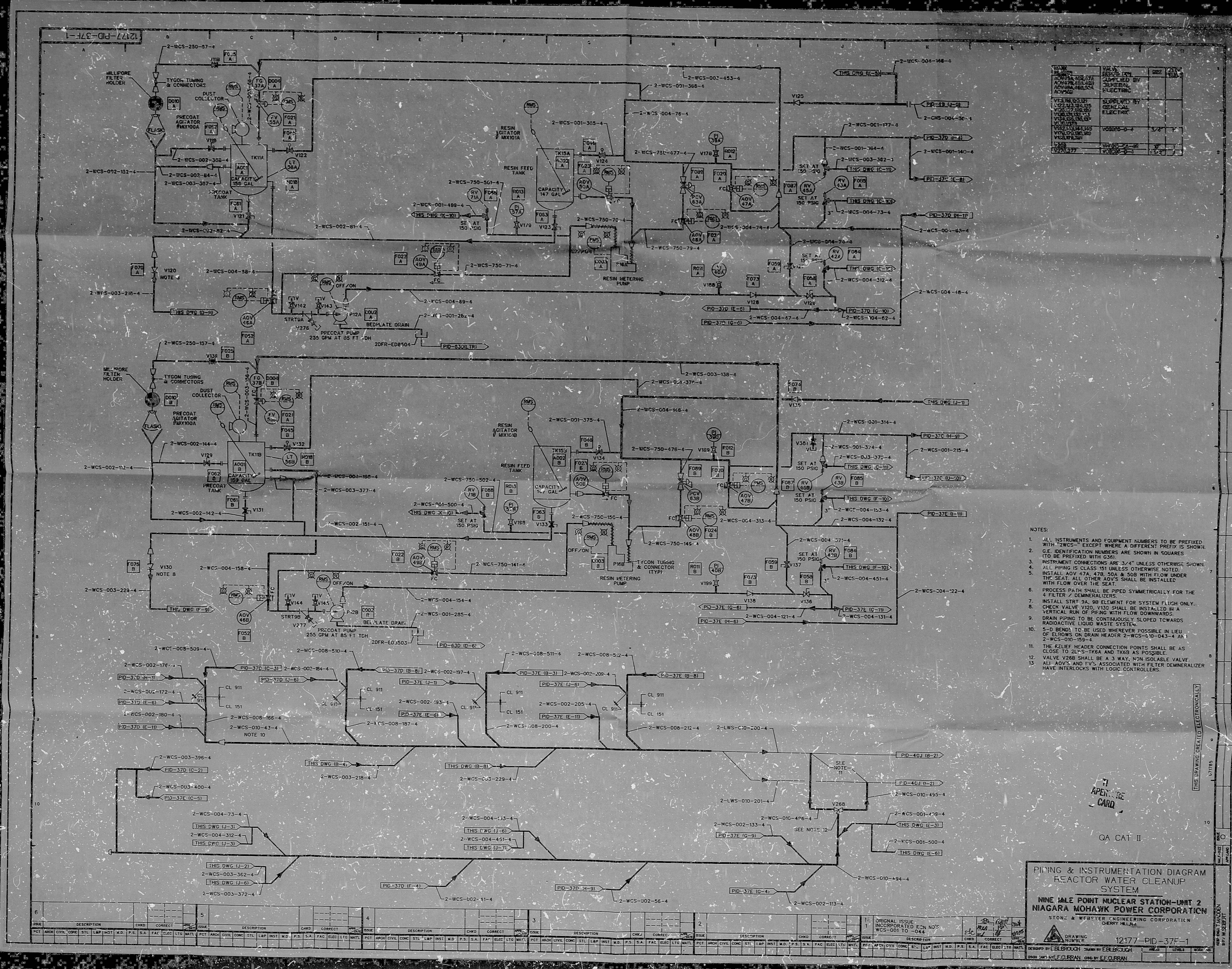




REV	DATE	BY	CHKD	APPD
1	12/17/77	W. J. WISE		
2	12/17/77	W. J. WISE		
3	12/17/77	W. J. WISE		
4	12/17/77	W. J. WISE		
5	12/17/77	W. J. WISE		
6	12/17/77	W. J. WISE		
7	12/17/77	W. J. WISE		
8	12/17/77	W. J. WISE		
9	12/17/77	W. J. WISE		
10	12/17/77	W. J. WISE		

- NOTES:
1. ALL INSTRUMENTS AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "2WCS-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
 2. G.E. IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES TO BE PREFIXED WITH G301.
 3. INSTRUMENT CONNECTIONS ARE 3/4" UNLESS OTHERWISE SHOWN.
 4. ALL PIPING IS CLASS 151 UNLESS OTHERWISE NOTED.
 5. INSTALL ADV 47A, 47B, 50A & 50B WITH FLOW UNDER THE SEAT. ALL OTHER ADV'S SHALL BE INSTALLED WITH FLOW OVER THE SEAT.
 6. PROCESS PATH SHALL BE PIPED SYMMETRICALLY FOR THE 4 FILTER / DEMINERALIZERS.
 7. INSTALL STRT 9A, 9B ELEMENT FOR SYSTEM FLUSH ONLY.
 8. CHECK VALVE V120, V130 SHALL BE INSTALLED IN A VERTICAL RUN OF PIPING WITH FLOW DOWNWARDS.
 9. DRAIN PIPING TO BE CONTINUOUSLY SLOPED TOWARDS RADIOACTIVE LIQUID WASTE SYSTEM.
 10. 5-D BENDS TO BE USED WHEREVER POSSIBLE IN LIEU OF ELBOWS ON DRAIN HEADER 2-WCS-010-043-4 AND 2-WCS-010-152-4.
 11. THE RELIEF HEADER CONNECTION POINTS SHALL BE AS CLOSE TO ADV'S 176A AND 176B AS POSSIBLE.
 12. VALVE V268 SHALL BE A 3 WAY, NON ISOLABLE VALVE.
 13. ALL ADV'S AND FV'S ASSOCIATED WITH FILTER DEMINERALIZER HAVE INTERLOCKS WITH LOGIC CONTROLLERS.

12177-PID-37F-1

Piping & Instrumentation Diagram
Reactor Water Cleanup
System

NINE MILE POINT NUCLEAR STATION UNIT 2
NIAGARA MOHAWK POWER CORPORATION

STONE & WEBSTER ENGINEERING CORPORATION
CHENY, N.Y.

DRAWING NUMBER: 12177-PID-37F-1
REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

APPROVED: [Signature]
DATE: 12/17/77

PDR RIDS

851223Q116

