

DETAIL A  
(EK-431A B-3)  
SCALE: NONE

SAMPLE LINE IDENT	SAMPLE VALVE IDENT	DESCRIPTION	PANEL NUMBER BHD CONN	REMARKS
25SR-SML1	2 RHS-SOV36A	RESIDUAL HEAT REMOVAL SYSTEM DISCHARGE (SHELL)		
25SR-SML2	2 RHS-SOV36B	RHS HEAT EXCHANGER		
25SR-SML3	2 CHS-V109	HIGH PRESSURE CORE SPRAY SYSTEM TO CONDENSATE STORAGE TANKS		
25SR-SML4	2 SFC-V225	SPENT FUEL POOL COOLING & CLEANUP SYSTEM		
25SR-SML5	2 SFC-V224			
25SR-SML6	2 SFC-V23			
25SR-SML7	2 SFC-V233A			
25SR-SML8	2 SFC-V233B			
25SR-SML9	2 WCS-V64	REACTOR WATER CLEANUP SYSTEM		
25SR-SML10	2 WCS-V66			
25SR-SML11	2 WCS-V251			
25SR-SML12	2 WCS-V68			
25SR-SML13	2 WCS-V253			
25SR-SML14	2 RDS-V93	CONTROL ROD DRIVE SYSTEM		
25SR-SML15	2 RCS-V68	REACTOR COOLANT RECIRC SYSTEM LOOP A		

HOLE  
FOR  
PANEL  
TOEN

INSTRUMENT MATERIAL SCHEDULE			
MARK	GROUP (NOTE 5)	TUBING	STANDARD
A	1	ASME SA 213 GR TP 316 SMLS SS	PIPING & TUBING STANDARD FOR ASME III INSTALLATIONS (COBIA)
B	2B		
C	3	ASTM A 213 GR TP 316 SMLS SS	PIPING & TUBING STANDARD FOR ANSI B31 INSTALLATIONS (CO BIA)
D	4		
F	2A		
E	—	ASTM B75 COPPER NO.122 SMLS CU OD TUBE	

## NOTES:

- NOTES:
1. SCALE:  $\frac{3}{16}'' = 1'-0''$  UNLESS OTHERWISE NOTED.
  2. ALL DWGS TO BE PREFIXED "2177" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
  3. MAT'L & LINE SIZE PER INSTR INSTALL DET REFERENCED IN TABLE (THIS DWG)
  4. REFER TO MFR'S PRINTS FOR CONNS TO EQPT.
  5. FOR GROUP DET REFER TO INSTR INSTALL SPEC NO. COBIA.
  6. FOR TYPE OF FITS & VALVES USED WITH EACH MARK REFER TO STANDARD IN SPEC NO. COBIA.
  7. SAMPLING PIPING TO BE INSTALLED, SUPPORTED & PROTECTED IN ACCORDANCE WITH INSTR INSTL 5'-SEC NO NMP-COBIA.
  8. THIS SYMBOL  $\boxed{B2-}$  INDICATES A REF TO A PIPE SUPPORT DETAIL DWG.
  9. TOL OF SUPPORT LOOC IN CONJUNCTION WITH WORK POINT ELEV'S GIVEN  $\pm 3''$ . PROVIDED THAT MAX SPAN REQ'TS ARE COMPLIED WITH.
  10. ALL SUPPORTS SHOWN TO BE RSTNT OR GUIDES UNLESS INDICATED AS (A) ANCHOR.
  11. CENTRALINE SPACING FOR INSTR TUBING TO BE  $3\frac{1}{2}''$  MIN UNLESS OTHERWISE NOTED.
  12. ALL WP EL ARE TO BE TAKEN AT CL OF TUBING UNLESS OTHERWISE NOTED.
  13. REFER TO INSTR BILL OF MATERIAL FOR INSTR MARK NUMBER SHOWN.
  14. SAMPLE LINES ARE TAGGED AS IN ABOVE TABLE.

#### REFERENCES



SAMPLE PIPING REAC BLDG EL 175'-0"	EX-431A
SAMPLE PIPING REAC BLDG EL 215'-0" 240'-0"	EX-431B
SAMPLE PIPING REAC BLDG EL 261'-0"	EX-431C
SAMPLE PIPING REAC BLDG EL 289'-0"	EX-431D
SAMPLE PIPING REAC BLDG EL 306'-6"	EX-431E
SAMPLE PIPING REAC BLDG EL 328'-10"	EX-431F
INSTR PIPING REAC BLDG	EX-401 SERIES
THIMBLE LOON PLAN REAC BLDG	EP-116 SERIES
MACH LOON PLAN REAC BLDG	EM-2 SERIES
ENGWG MECHANICS DIV TECH RPRT	CHOC-EMTA-60
SAMPLE PANELS & ANALYZING EQPT SPEC	NMP2-P272V
REACTOR PLANT SAMPLING	FSK-21-2



APPROVED B. R. Rabinovich 59006  
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LICENSED PROFESSIONAL ENGINEER, NO.  
STATE OF NEW YORK  
LICENSED PROFESSIONAL ENGINEER, NO. 59006

NUCLEAR SAFETY RELATED  
QA CAT I,II

SAMPLE PIPING  
REACTOR BUILDING  
TABN, NOTES & REFERENCES  
NINE MILE POINT NUCLEAR STATION - UNIT 2  
NIAGARA MOHAWK POWER CORPORATION  
STONE & WEBSTER ENGINEERING CORPORATION  
CHERT HILL, N.J.

 CH	 DRAWING NUMBER 12177-EK-431G-1	AREAS	LEVELS	WORK P
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