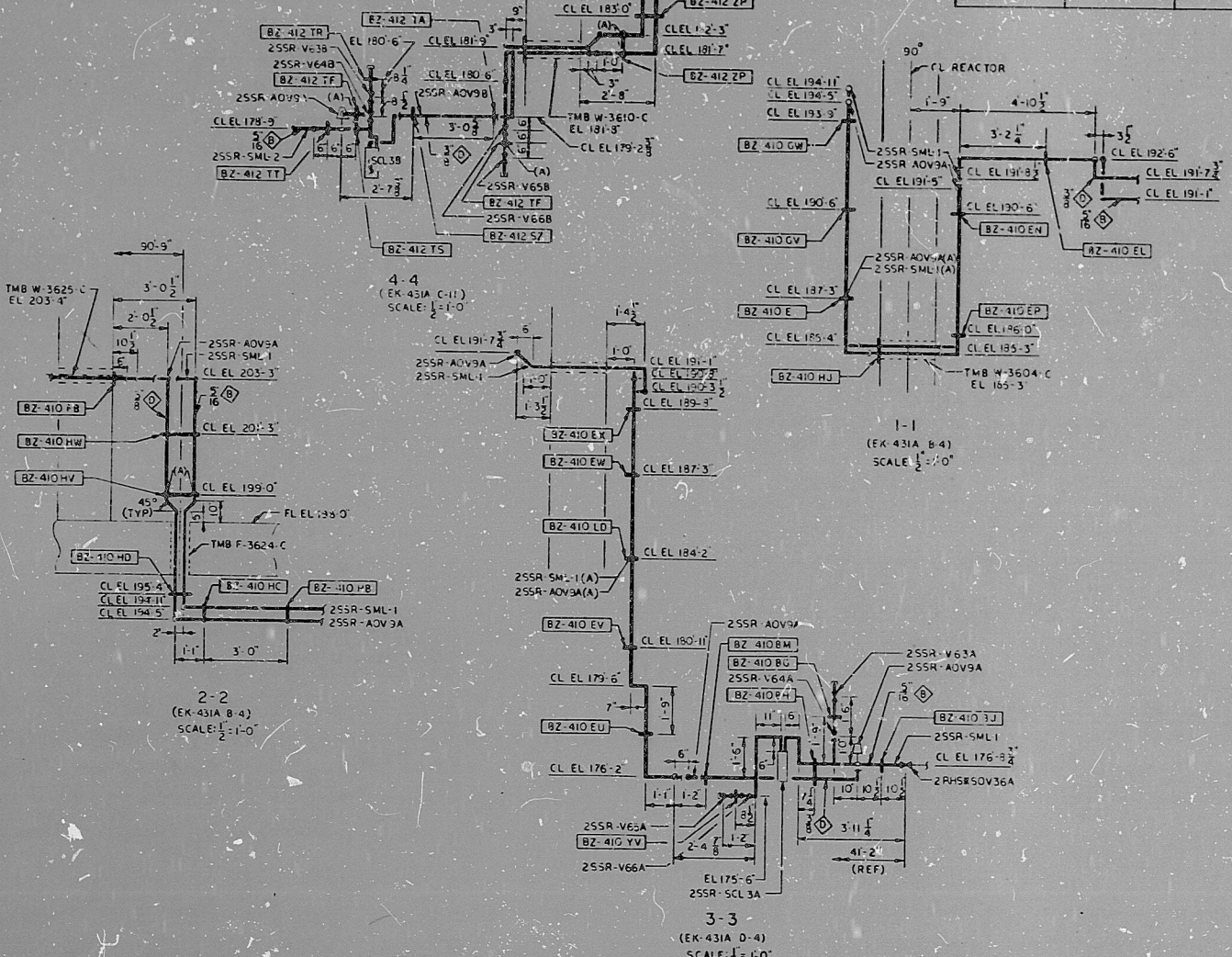
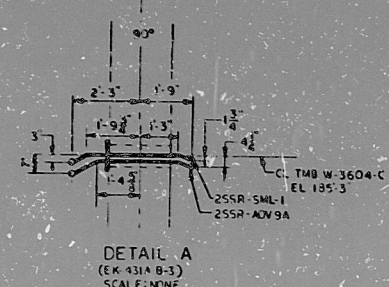


2177-EK-431G-1



| SAMPLE LINE IDENT | SAMPLE VALVE IDENT | DESCRIPTION                                                 | PANEL NUMBER BMD CONN | REMARKS |
|-------------------|--------------------|-------------------------------------------------------------|-----------------------|---------|
| 25SR-SML1         | 2 RSH85OV36A       | RESIDUAL HEAT REMOVAL SYSTEM DISCHARGE (SHELL)              |                       |         |
| 25SR-SML2         | 2 RSH85OV36B       | RHS HEAT EXCHANGER                                          |                       |         |
| 25SR-SML3         | 2 CHS-V10B         | 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-V235A        |                                                             |                       |         |
| 25SR-SML8         | 2 SFC-V235B        |                                                             |                       |         |
| 25SR-SML9         | 2 WCS-V64          | REACTOR WATER CLEANUP SYSTEM                                |                       |         |
| 25SR-SML10        | 2 WCS-V66          |                                                             |                       |         |
| 25SR-SML11        | 2 WCS-V25H         |                                                             |                       |         |
| 25SR-SML12        | 2 WCS-V2           |                                                             |                       |         |
| 25SR-SML13        | 2 WCS-V253         |                                                             |                       |         |
| 25SR-SML14        | 2 ROS-V93          | CONTROL ROD DRIVE SYSTEM                                    |                       |         |
| 25SR-SML15        | 2 RCS-V68          | REACTOR COOLANT RECIRC SYSTEM LOOP A                        |                       |         |

| 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 (COBIA) |
| D    | 4              |                                        |                                                             |
| E    | 2A             |                                        |                                                             |
| F    |                | ASTM B75 COPPER NO 122 SMLS CU OD TUBE |                                                             |

- NOTES:
- SCALE: 3/16" = 1'-0" UNLESS OTHERWISE NOTED.
  - ALL DWGS TO BE PREFIXED "2177" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
  - MAT'L LINE SIZE PER INSTR INSTALL DET REFERENCED IN TABLE (THIS DWG).
  - REFER TO MFR'S PRINTS FOR CONNS TO EQPT.
  - FOR GROUP DEF REFER TO INSTR INSTALL SPEC NO COBIA. FOR PIPE OF FITGS VALVES USED WITH EACH MARK REFER TO STANDARD IN SPEC NO COBIA.
  - SAMPLING PIPING TO BE INSTALLED, SUPPORTED & PROTECTED IN ACCORDANCE WITH INSTR INSTL SPEC NO NHP2-COBIA.
  - THIS SYMBOL [BZ] INDICATES A REF TO A PIPE SUPPORT DETAIL DWG.
  - TOL OF SUPPORT LOCK IN CONJUNCTION WITH WORK POINT ELEV'S GIVEN IS ±.3". PROVIDED THAT MAX SPAN REQ'S ARE COMPLIED WITH.
  - ALL SUPPORTS SHOWN TO BE RSTNT OR GUID'S UNLESS INDICATED AS (A) ANCHOR.
  - CENTERLINE SPACING FOR INSTR TUBING TO BE 3/2" MIN UNLESS OTHERWISE NOTED.
  - ALL WP EL ARE TO BE TAKEN AT CL OF TUBING UNLESS OTHERWISE NOTED.
  - REFER TO INSTR BILL OF MATERIAL FOR INSTR MARK NUMBER SHOWN.
  - SAMPLE LINES ARE TAGGED AS IN ABOVE TABLE.

- REFERENCES:
- SAMPLE PIPING REAC BLDG EL 175'-0" EK-431A
  - SAMPLE PIPING REAC BLDG EL 215'-0" TO 240'-0" EK-431B
  - SAMPLE PIPING REAC BLDG EL 265'-0" 2K-V6C
  - SAMPLE PIPING REAC BLDG EL 285'-0" EK-431C
  - SAMPLE PIPING REAC BLDG EL 305'-0" EK-431E
  - SAMPLE PIPING REAC BLDG EL 328'-10" EK-431F
  - INSTR PIPING REAC BLDG EK-400 SERIES
  - THIMBLE LOCK PLAH REAC BLDG EP-116 SERIES
  - MACH LOCK PLAH REAC BLDG EM-2 SERIES
  - ENGRG MACHANCS DIV TECH RPT CHOC-ENR-602
  - SAMPLE PANELS & ANALYZING EQPT SPEC NHP2-2272V
  - REACTOR PLANT SAMPLING FSK-21-2

PRC  
APERTURE  
CARD



APPROVED: Robert L. Fowler, 59006  
LOCAL PROFESSIONAL ENGINEER, NO. 59006  
STATE OF NEW YORK  
ALTERNATE: C. E. J. SYLVESTER, NO. 10,315  
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  
STATE & WEBSTER ENGINEERING CORPORATION  
CHERRY HILL, ILL.

| NO. | DESCRIPTION | CHD | CONTRACT | DATE | NO. | DESCRIPTION | CHD | CONTRACT | DATE | NO. | DESCRIPTION | CHD | CONTRACT | DATE | NO. | DESCRIPTION | CHD | CONTRACT | DATE |
|-----|-------------|-----|----------|------|-----|-------------|-----|----------|------|-----|-------------|-----|----------|------|-----|-------------|-----|----------|------|
| 1   | DESCRIPTION | CHD | CONTRACT | DATE | 2   | DESCRIPTION | CHD | CONTRACT | DATE | 3   | DESCRIPTION | CHD | CONTRACT | DATE | 4   | DESCRIPTION | CHD | CONTRACT | DATE |

THE INFORMATION ON THIS DRAWING MAY NOT BE COPIED OR USED FOR OTHER THAN THE CONSTRUCTION MAINTENANCE OR REPAIR OF THE PLANT FACILITY DESCRIBED IN THE TITLE BLOCK.

DESIGNED BY: T. FOWLER, J. O. BARTHA  
CHECKED BY: C. E. J. SYLVESTER, J. J. SYLVESTER  
DATE: 11/1/77  
SCALE: 1/2" = 1'-0"

RIDS

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