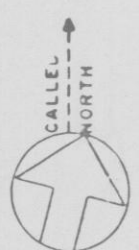


12177-EK-400A-1



INSTRUMENT MATERIAL SCHEDULE			
MARK	GROUP (NOTE 7)	TUBING	STANDARD
1	1	ASME SA213 GR TP 316 SMLS SS	PIPING & TUBING STANDARD OR ASME III INSTALLATIONS (COBIA)
2	2B	ASME SA213 GR TP 316 SMLS SS	PIPING & TUBING STANDARD FOR ANSI B31.1 INSTALLATION (COBIA)
3	3	ASME SA213 GR TP 316 SMLS SS	PIPING & TUBING STANDARD FOR ANSI B31.1 INSTALLATION (COBIA)
4	4	ASME SA213 GR TP 316 SMLS SS	PIPING & TUBING STANDARD FOR ANSI B31.1 INSTALLATION (COBIA)
5	2A	ASME SA213 GR TP 316 SMLS SS	PIPING & TUBING STANDARD FOR ANSI B31.1 INSTALLATION (COBIA)

- NOTES:
- SCALE 3/8"=1'-0", UNLESS OTHERWISE NOTED.
  - ALL DWGS TO BE PREFIXED "12177" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
  - THIS SYMBOL INDICATES A REFERENCE TO AN INSTRUMENT INSTALLATION DETAIL DWG.
  - REFER TO INSTR BILL OF MAT'L FOR INSTR MARK NO SHOWN.
  - REFER TO MFR PRINTS FOR CONNS TO EQPT.
  - PRV SENSING LINE SLOPES SHALL BE 1/8" PER FT MIN FOR PRESS, FLOW & DIFF DEVICES UNLESS OTHERWISE NOTED.
  - FOR GROUP DEF REFER TO INSTR INSTL SPEC NO NMP2-COBIA.
  - FOR TYPE OF FTGS & VALVES USED WITH EACH MARK REFER TO STANDARD IN SPEC NO NMP2-COBIA.
  - INSTR & PIPING TO BE INSTALLED, SUPPORTED & PROTECTED IN ACCORDANCE WITH INSTR INSTL SPEC NO NMP2-COBIA.
  - INSTR TUBE ROUTING FROM THE LAST SUPPORT OF TUBING RUN TO THE INSTR IS TO BE DETERMINED BY FIELD.
  - THIS SYMBOL INDICATES A REF TO A PIPE SUPPORT DETAIL DWG.
  - TOL OF SUPPORT LOCN IN CONJUNCTION WITH WORK POINT ELEV'S GIVEN IS +3" PROVIDED THAT MIN CLO SLOPE AND MAX SPAN REQ'S ARE COMPLIED WITH.
  - ALL SUPPORTS SHOWN TO BE RESTRAINT OR GUIDES UNLESS INDICATED AS (A) ANCHOR.
  - SYM REPRESENTS THE LIVE LENGTH OF FLEX HOSE.
  - CENTERLINE SPACING FOR INSTR TUBING TO BE 3 1/2" MIN UNLESS OTHERWISE NOTED.
  - ALL WP ELEV'S ARE TO BE TAKEN AT CL OF TUBING UNLESS OTHERWISE NOTED.
  - LOCAL MOUNTED INSTR ARE TO BE LOCATED 4'-6" ± 3" ABOVE GRADE OR PLATF INDICATED. CL EL IS THE EXACT LOCN OF THE INSTR ± 3".
  - THIS SYMBOL INDICATES A COMMON SUPPORT BETWEEN PIPING AND INSTRUMENT TUBING.

- REFERENCES:
- AIR COND & VENTILATION CONTROL ROOM BLDG
  - CHILLED & CONDENSED WATER PIPING
  - THIMBLE LOCATION PLAN CONTROL BLDG
  - INSTR INSTALLATION DETAILS
  - INSTR PP CONT BLDG PLAN EL 261'-0"
  - INSTR PP CONT BLDG PLAN EL 288'-6"
  - INSTR PP CONT BLDG PLAN EL 306'-0"
  - INSTR INSTL SPEC
  - ENGRG MECHANICS DIV TECH RPRT
- EB-39 SERIES  
EB-81 SERIES  
EP-64 SERIES  
BK-16 SERIES  
EK-400B-D  
EK-400E  
EK-400F  
NMP2-COBIA  
CHOC-EMTR-602

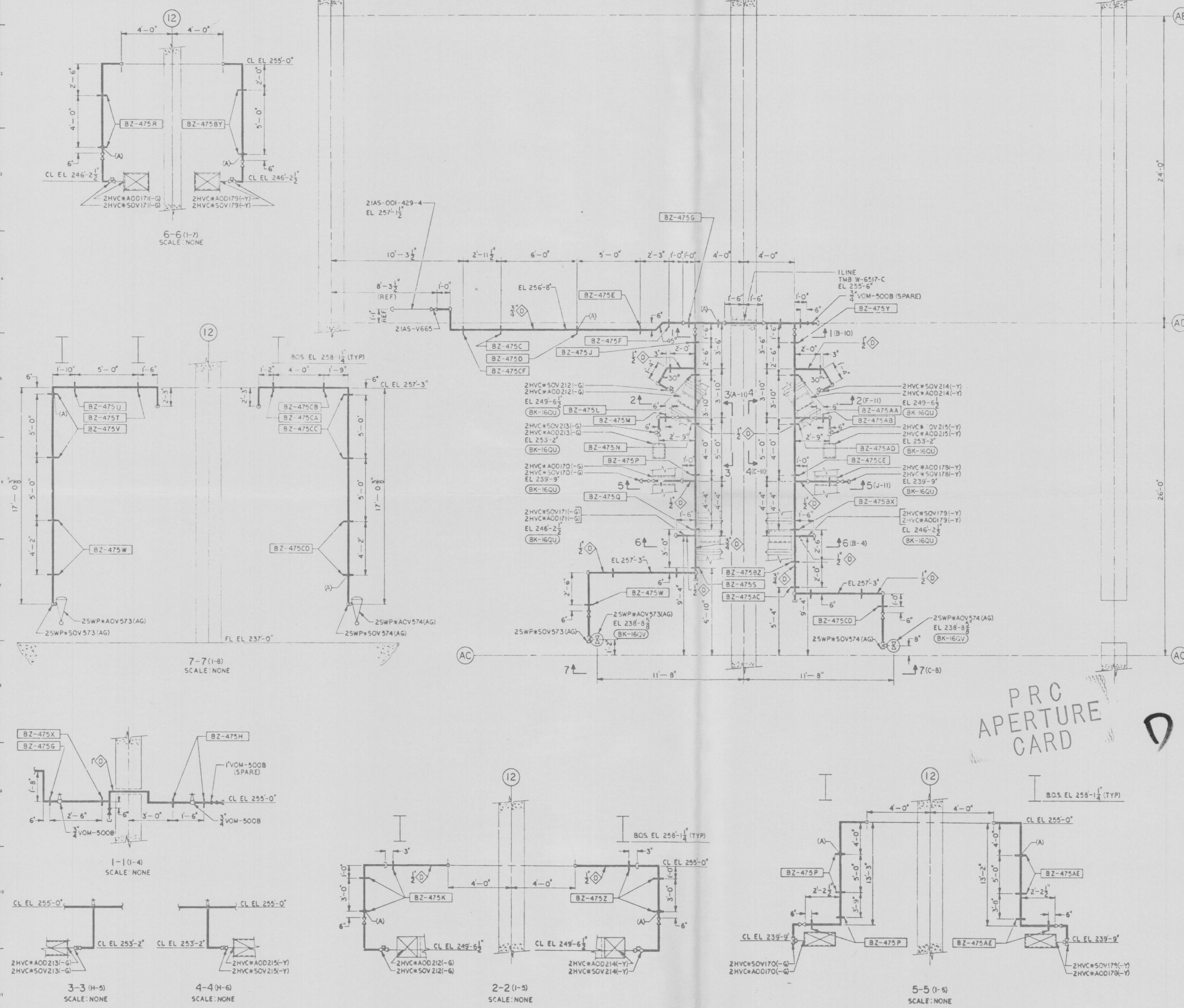


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STATE OF NEW YORK  
ALTERATION BY E. OWEN, LICENSED PROFESSIONAL ENGINEER IN ALBANY

NUCLEAR SAFETY RELATED  
QACAT I, II

INSTRUMENT PIPING  
CONTROL BUILDING  
PLAN EL 237'-0" & 244'-0"  
NINE MILE POINT NUCLEAR STATION - UNIT 2  
NIAGARA MOHAWK POWER CORPORATION  
STONE & WEBSTER ENGINEERING CORPORATION  
CHERRY HILL, N.J.

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PRC  
APERTURE  
CARD

REVISION	DESCRIPTION	DATE	BY	CHKD	APP'D	REVISION	DESCRIPTION	DATE	BY	CHKD	APP'D	REVISION	DESCRIPTION	DATE	BY	CHKD	APP'D
1	ORIGINAL ISSUE FOR CONSTRUCTION					2						3					