



NO.	DESCRIPTION	REV.	DATE
1	...	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
7	...	...	...
8	...	...	...
9	...	...	...

- NOTES:**
1. THE GE MFL NUMBER FOR THIS SYSTEM IS CR
  2. ALL HIGH POINTS SHALL BE LOCATED OUTSIDE THE PRIMARY CONTAINMENT.
  3. DELETED.
  4. NUMBER IN OHM RELATIVE ASSIGNED NUMBER FOR EACH HCU.
  5. BLOCK TYPE NEEDLE VALVE (SINGLE PART 304).
  6. EACH HCU IS IDENTIFIED BY THE APPROPRIATE CONTROL ROD WHICH HAS BEEN ASSIGNED A COORDINATE NUMBER THAT DEFINES THE LOCATION OF THE ROD WITHIN THE CORE. ALL COORDINATE NUMBERS CONSIST OF FOUR DIGITS: TWO FOR ROW AND TWO FOR COLUMN. ROWS ARE ASSIGNED ODD NUMBERS AND COLUMNS ASSIGNED EVEN NUMBERS.
  7. THIS PIPING IS PURCHASED BY GE. IDENTIFICATION OF PIPING IS PROVIDED FOR INFORMATION ONLY.
  8. VALVE ORIFICES TO BE AT THE POINT OF VENT LINE.
  9. DELETED.
  10. COUPLERS ON THIS PIPING IDENTIFIED WITH AN 'S' IS GE SUPPLIED.
  11. DRYWELL PENETRATIONS ARE 1" SCAM 80 PNE.
  12. PART OF ROD STATUS DISPLAY.
  13. ALARMS BY COMPUTER REQUIRED.
  14. POWER TO SOLENOIDS BY GROUP: GROUP 1, 2, 3, 4 ARE RPS POWER DIVISIONS 1, 2, 3, 4 RESPECTIVELY. SEE ELEMENTARY DIAGRAM, RPS 3, 33A LOGIC CHANNELS.
  15. DELETED.
  16. 'S' & 'Z' ARE INTEGRAL PARTS OF CRD UNIT. THE COORDINATES FOR THE CRD LOCATION WILL BE USED AS 'S' & 'Z' INSTRUMENT SEQUENCE NUMBERS.
  17. CRD INSERT & WITHDRAWAL PIPING WILL BE SCHEDULED EOS.
  18. THIS PIPING CONTAINS PORTIONS OF SYSTEM BY CONTROL ROD DRIVE HYDRAULIC SUPPLY.
  19. NORTH SCRAM DEEP LINES - 84, 028-434.

FOR INFORMATION ONLY

POOR ORIGINAL

TE APERTURE CARD

NO.	DESCRIPTION	REV.	DATE
1	...	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
7	...	...	...
8	...	...	...
9	...	...	...

RECEIVED  
SAN FRANCISCO  
PUBLIC SERVICE ELECTRIC POWER COMPANY  
INSTRUMENT CONTROL DIVISION

P. 2.1 C  
CONTROL ROD DRIVE  
HYDRAULIC - PART 1

DATE: M-4-1 70

3 0 Y

8409180526

PDR RIDS

