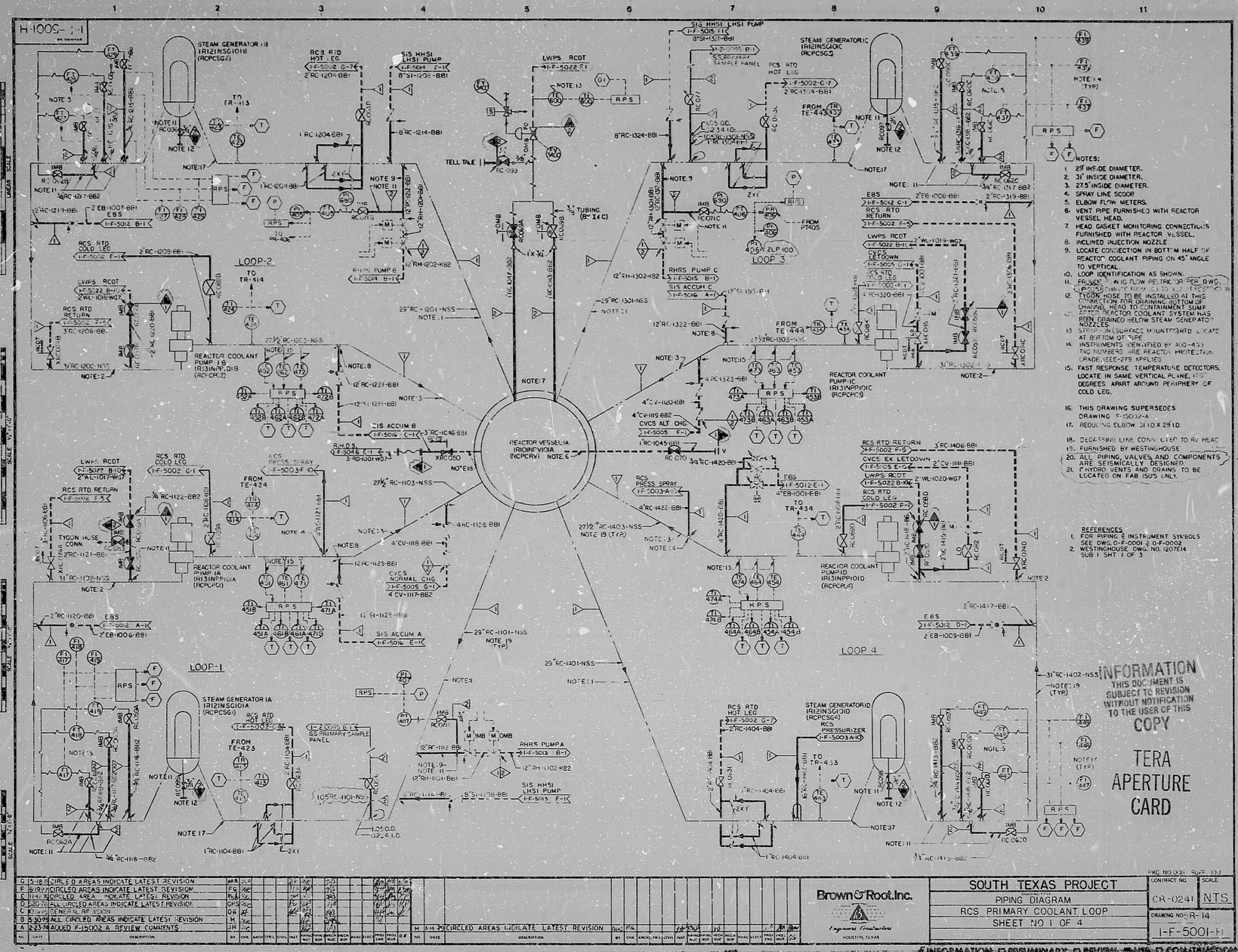
H-1005-1-1
STEAM GENERATOR 1B 1R12INSG01B (RCPCSG2)
STEAM GENERATOR 1C 1R12INSG01C (RCPCSG3)
STEAM GENERATOR 1A 1R12INSG01A (RCPCSG1)
STEAM GENERATOR 1D 1R12INSG01D (RCPCSG4)
REACTOR VESSEL 1A 1R10NPV01A (RCPCRV) NOTE 6
REACTOR COOLANT PUMP 1B 1R13NPP01B (RCPCPL2)
REACTOR COOLANT PUMP 1C 1R13NPP01C (RCPCPL3)
REACTOR COOLANT PUMP 1A 1R13NPP01A (RCPCPL1)
REACTOR COOLANT PUMP 1D 1R13NPP01D (RCPCPL4)
LOOP 1
LOOP 2
LOOP 3
LOOP 4
RPS
EBS
CVCS LETDOWN
CVCS ALT CHG
CVCS NORMAL CHG
RCS PRESS SPRAY
RCS RTD HOT LEG
RCS RTD COLD LEG
RCS RTD RETURN
LWPS RCDT
RHRS PUMP A
RHRS PUMP B
RHRS PUMP C
SIS ACCUM A
SIS ACCUM B
SIS ACCUM C
SIS HHSI LHSI PUMP
TYGON HOSE CONN.
TELL TALE
NOTES:
1. 29" INSIDE DIAMETER.
2. 31" INSIDE DIAMETER.
3. 27.5" INSIDE DIAMETER.
4. SPRAY LINE SCOOP.
5. ELBOW FLOW METERS.
6. VENT PIPE FURNISHED WITH REACTOR VESSEL HEAD.
7. HEAD GASKET MONITORING CONNECTION IS FURNISHED WITH REACTOR VESSEL.
8. INCLINED INJECTION NOZZLE.
9. LOCATE CONNECTION IN BOTTOM HALF OF REACTOR COOLANT PIPING ON 45° ANGLE TO VERTICAL.
10. LOOP IDENTIFICATION AS SHOWN.
11. PROVIDE ¾" ID FLOW RESTRICTOR PER DWG. 1-F-5012-A. (TEST CONN. FOR RCS FLOW TEST)
12. TYGON HOSE TO BE INSTALLED AT THIS CONNECTION FOR DRAINING BOTTOM OF CHANNEL HEAD TO CONTAINMENT SUMP AFTER REACTOR COOLANT SYSTEM HAS BEEN DRAINED BELOW STEAM GENERATOR NOZZLES.
13. STRAP-ON (SURFACE MOUNTED) RTD PLATE AT BOTTOM OF PIPE.
14. INSTRUMENTS IDENTIFIED BY RID-493 TAG NUMBERS ARE REACTOR PROTECTION GRADE; IEEE-279 APPLIES.
15. FAST RESPONSE TEMPERATURE DETECTORS. LOCATE IN SAME VERTICAL PLANE, 60° DEGREES APART AROUND PERIPHERY OF COLD LEG.
16. THIS DRAWING SUPERSEDES DRAWING 1-F-5002-A.
17. REDUCING ELBOW 31" I.D. X 29" I.D.
18. DEGARTING LINE CONN. USED TO RV HEAD
19. FURNISHED BY WESTINGHOUSE
20. ALL PIPING, VALVES, AND COMPONENTS ARE SEISMICALLY DESIGNED.
21. HYDRO VENTS AND DRAINS TO BE LOCATED ON FAB 1505 ONLY.
REFERENCES
1. FOR PIPING & INSTRUMENT SYMBOLS SEE DWG. 0-F-0001 & 0-F-0002
2. WESTINGHOUSE DWG. NO. 1207E14 SUB 1 SHT 1 OF 3
INFORMATION
THIS DOCUMENT IS SUBJECT TO REVISION WITHOUT NOTIFICATION TO THE USER OF THIS COPY
TERA APERTURE CARD
Brown & Root, Inc.
Engineers Constructors
HOUSTON, TEXAS
SOUTH TEXAS PROJECT
PIPING DIAGRAM
RCS PRIMARY COOLANT LOOP
SHEET NO 1 OF 4
CONTRACT NO. CR-0241
SCALE NTS
DRAWING NO. R-14
1-F-5001-1
PKG NO (OR SUFF NO)
G 5-18-78 CIRCLED AREAS INDICATE LATEST REVISION
F 6-19-77 CIRCLED AREAS INDICATE LATEST REVISION
E 11-4-76 CIRCLED AREA INDICATE LATEST REVISION
D 5-20-76 ALL UNCLOUDED AREAS INDICATE LATEST REVISION
C [illegible] GENERAL REVISION
B 5-30-75 ALL CIRCLED AREAS INDICATE LATEST REVISION
A 2-23-74 ADDED F-15002 A REVIEW COMMENTS
5 INFORMATION 4 PRELIMINARY 3 REVIEW 2 AND 1 CONSTRUCTION
BROWN & ROOT INC. MICROFILM SERVICES
WEDNESDAY, MAR. 14 1979

RIDS

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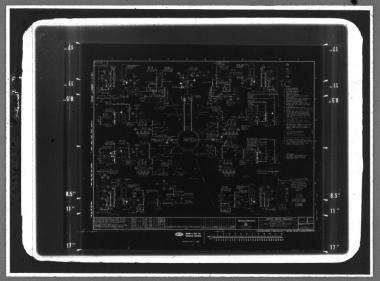

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