

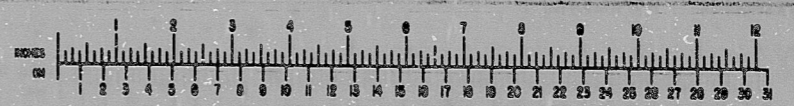
INFORMATION
THIS DOCUMENT IS
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- NOTES:
1. ALL EQUIPMENT AND PIPING SHOWN TO BE LOCATED IN AREA MAINTAINED #55°F OR HEAT TRACED.
 2. LOWER LOOP TO EXTEND 12 IN BELOW OVERFLOW CONNECTION AND UPPER LOOP 6 IN BELOW DIAPHRAGM FLANGE. LOCATE SYPHON BREAK VENT ON TOP OF UPPER LOOP.
 3. LOOP SEAL TO EXTEND 12 IN BELOW AND ABOVE OVERFLOW NOZZLE.
 4. DRAIN HEADER CONNECTION TO BE PROVIDED NEARBY FOR CONNECTING HOSE FOR DRAINING BY GRAVITY.
 5. TANK DIAPHRAGM OVERFLOW AND VENT PIPING IN OWNER'S SCOPE. REFER TO SYSTEMS STANDARD DESIGN CRITERIA NO. 112, NUCLEAR STEAM SUPPLY SYSTEM LAYOUT GUIDELINES, REF. # FOR GRAVITY DRAIN FROM BAT TO CHG. PUMP TANK TO REDUCE HEAT TRACING WHICH MUST BE PROVIDED TO MAINTAIN PIPING 216°F WHEN 12% H₂SO₄ ACID IS BATCHED FOR THE EBS.
 6. PROVIDE TEE FITTING TO WELD DIRECTLY TO VALVE.
 7. LOCATE PUMP IN HEATED ENCLOSURE REFER TO SYSTEMS STANDARD DESIGN CRITERIA NO. 113, NESS ELECTRICAL HEAT TRACING REQUIREMENTS.
 8. THIS DRAWING SUPERSEDES DRAWING F-5010.
 9. HEAT TRACING AND INSULATION TO EXTEND 6" BEYOND NORMALLY CLOSED VALVE CV312.
 10. PIPING VALVES AND COMPONENTS IDENTIFIED AS CLASS 7, 8, OR 9 ITEMS ARE NON-SEISMICALLY DESIGNED.
 11. PIPING VENTS AND DRAINS TO BE LOCATED ON F4H 150.

NO.	DATE	DESCRIPTION	BY	CHK	APP	DATE	DESCRIPTION	BY	CHK	APP	DATE	DESCRIPTION
1	11/17/79	ADD COMMENTS	...	...	...	11/17/79	...	...	...	...	11/17/79	...
2	11/17/79	...	...	...	...	11/17/79	...	...	...	...	11/17/79	...

Brown & Root, Inc.
Houston, Texas

SOUTH TEXAS PROJECT
PIPING DIAGRAM
CHEMICAL AND VOLUME CONTROL SYSTEM
SHEET 5 OF 5
DRAWING NO. 5R-17
I-F-5009-H



BROWN & ROOT INC.
MICROFILM SERVICES
THURSDAY, MAR. 16 1979

INFORMATION PRELIMINARY REVIEW USE CONSTRUCTION

RIDS

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