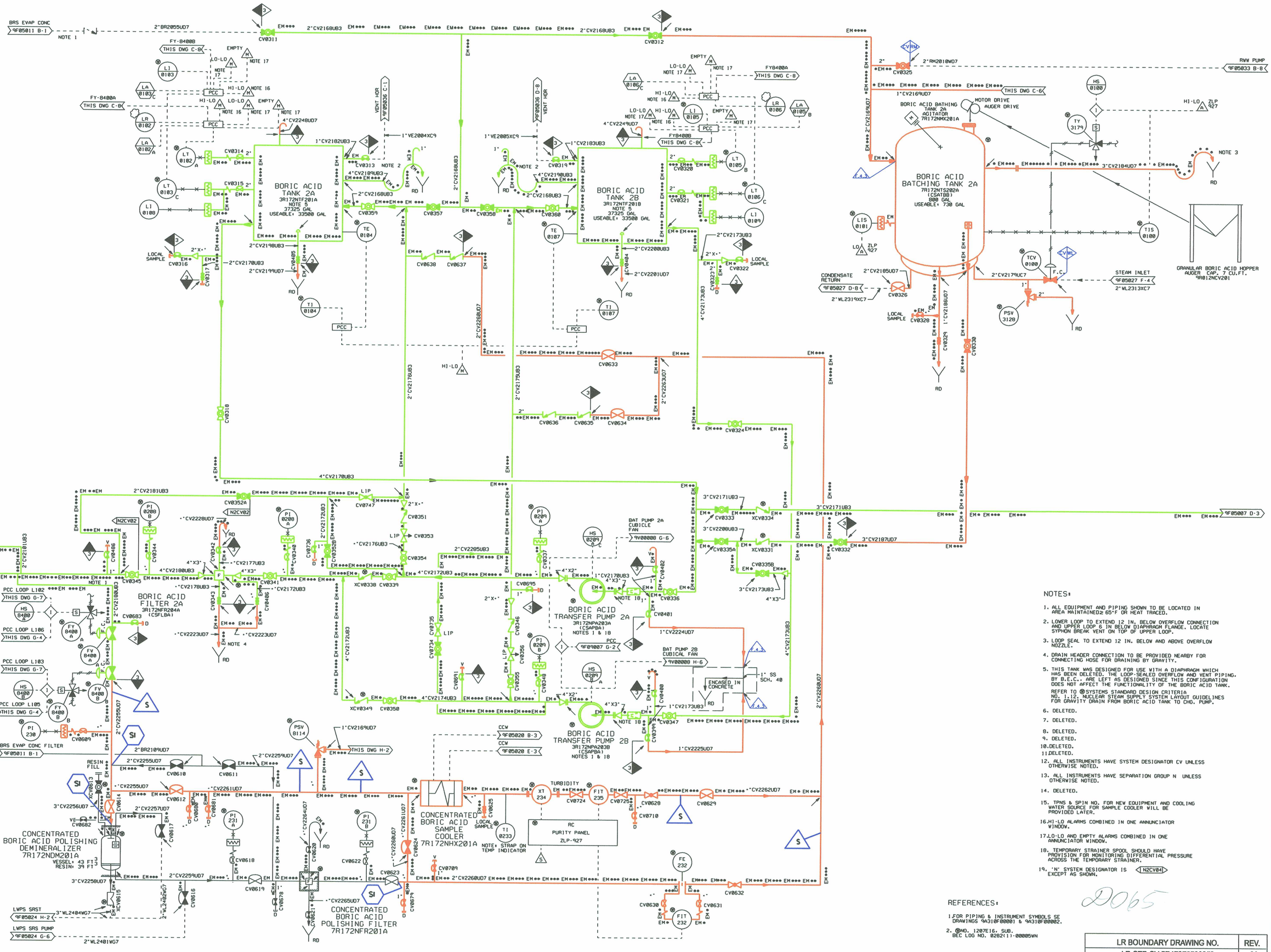

NOTES:

1. ALL EQUIPMENT AND PIPING SHOWN TO BE LOCATED IN AREA MAINTAINED≥ 65°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. THIS TANK WAS DESIGNED FOR USE WITH A DIAPHRAGM WHICH HAS BEEN DELETED. THE LOOP-SEALED OVERFLOW AND VENT PIPING, BY B.E.C., ARE LEFT AS DESIGNED SINCE THIS CONFIGURATION DOES NOT AFFECT THE FUNCTIONALITY OF THE BORIC ACID TANK.

   REFER TO Ⓢ SYSTEMS STANDARD DESIGN CRITERIA NO. 1.12, NUCLEAR STEAM SUPPLY SYSTEM LAYOUT GUIDELINES FOR GRAVITY DRAIN FROM BORIC ACID TANK TO CHG. PUMP.
6. DELETED.
7. DELETED.
8. DELETED.
9. DELETED.
10. DELETED.
11. DELETED.
12. ALL INSTRUMENTS HAVE SYSTEM DESIGNATOR CV UNLESS OTHERWISE NOTED.
13. ALL INSTRUMENTS HAVE SEPARATION GROUP N UNLESS OTHERWISE NOTED.
14. DELETED.
15. TPNS & SPIN NO. FOR NEW EQUIPMENT AND COOLING WATER SOURCE FOR SAMPLE COOLER WILL BE PROVIDED LATER.
16. HI-LO ALARMS COMBINED IN ONE ANNUNCIATOR WINDOW.
17. LO-LO AND EMPTY ALARMS COMBINED IN ONE ANNUNCIATOR WINDOW.
18. TEMPORARY STRAINER SPOOL SHOULD HAVE PROVISION FOR MONITORING DIFFERENTIAL PRESSURE ACROSS THE TEMPORARY STRAINER.
19. 'N' SYSTEM DESIGNATOR IS N2CV04 EXCEPT AS SHOWN.

2065

REFERENCES:

1. FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 9A310F00001 & 9A310F00002.
2. Ⓢ NO. 1207E16, SUB. BEC LOG NO. 0282(1)-00005WN

LR BOUNDARY DRAWING NO.	REV.
LR-STP-CV-5R179F05009#2	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
21		INCORP. DCN 9903957.	LNB				
0-20	4-21-84	ISSUED FOR CONSTRUCTION	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PIPING AND INSTRUMENTATION DIAGRAM
CHEMICAL AND VOLUME CONTROL SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA593.211	D070928		NONE	5R179F05009#2		21

ESEED.DGN

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