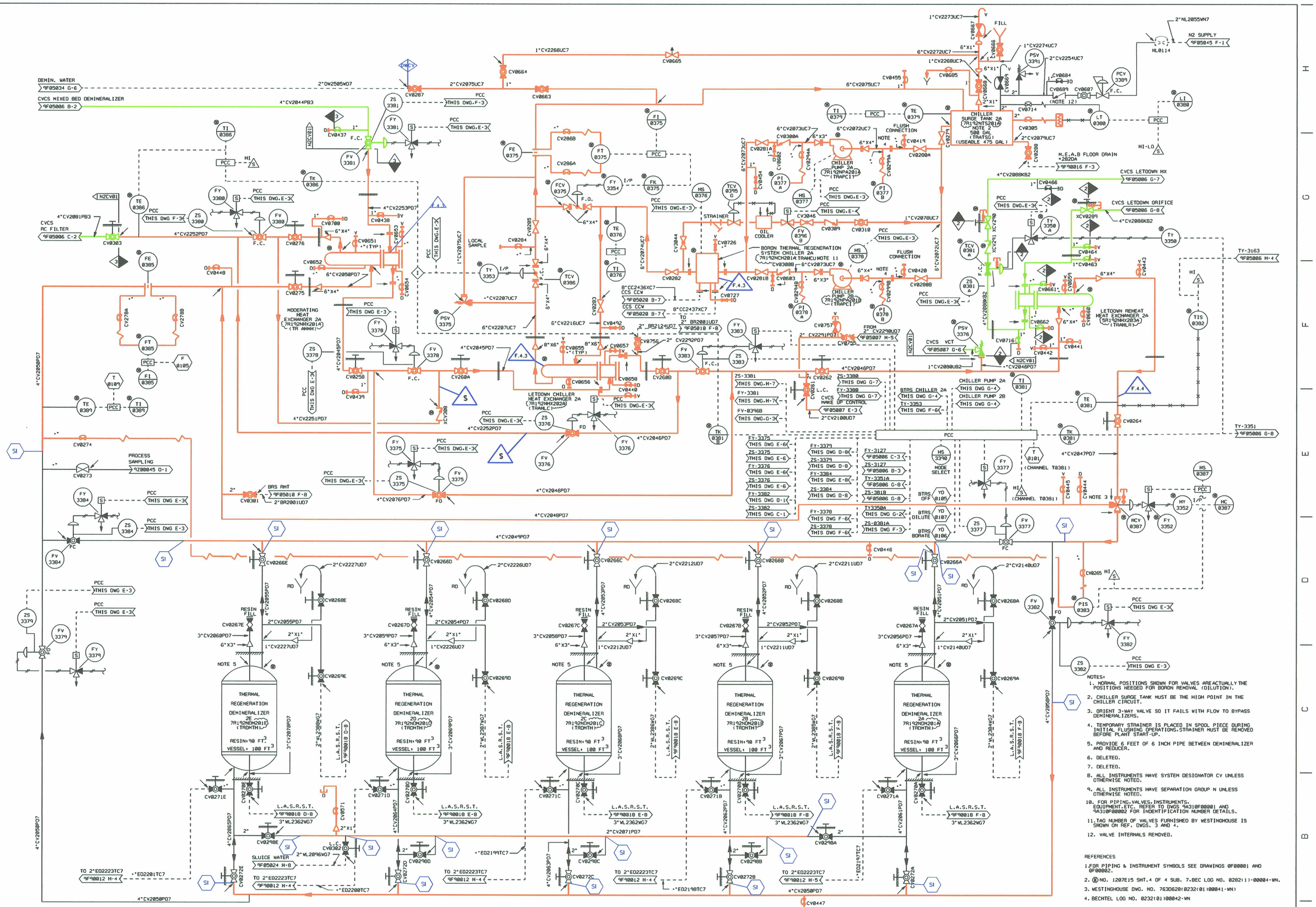

NOTES:

1. NORMAL POSITIONS SHOWN FOR VALVES ARE ACTUALLY THE POSITIONS NEEDED FOR BORON REMOVAL (DILUTION).
2. CHILLER SURGE TANK MUST BE THE HIGH POINT IN THE CHILLER CIRCUIT.
3. ORIENT 3-WAY VALVE SO IT FAILS WITH FLOW TO BYPASS DEMINERALIZERS.
4. TEMPORARY STRAINER IS PLACED IN SPOOL PIECE DURING INITIAL FLUSHING OPERATIONS. STRAINER MUST BE REMOVED BEFORE PLANT START-UP.
5. PROVIDE 6 FEET OF 6 INCH PIPE BETWEEN DEMINERALIZER AND REDUCER.
6. DELETED.
7. DELETED.
8. ALL INSTRUMENTS HAVE SYSTEM DESIGNATOR CV UNLESS OTHERWISE NOTED.
9. ALL INSTRUMENTS HAVE SEPARATION GROUP N UNLESS OTHERWISE NOTED.
10. FOR PIPING, VALVES, INSTRUMENTS, EQUIPMENT, ETC. REFER TO DWGS 9A310F00001 AND 9A310F00002 FOR INDENTIFICATION NUMBER DETAILS.
11. TAG NUMBER OF VALVES FURNISHED BY WESTINGHOUSE IS SHOWN ON REF. DWGS. 3 AND 4.
12. VALVE INTERNALS REMOVED.

REFERENCES

1. FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 0F00001 AND 0F00002.
2. Ⓗ NO. 1207E15 SHT.4 OF 4 SUB. 7.BEC LOG NO. 0202(1)-00004-WN.
3. WESTINGHOUSE DWG. NO. 763D628(0232(01)00041-WN)
4. BECHTEL LOG NO. 0232(01)00042-WN

D063

LR BOUNDARY DRAWING NO.	REV.
LR-STP-CV-5R179F05008*2	0B

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
16		REVISED PER CR*07-16895. (UNITIZED TPNS *'S)	16				
0-15	4-21-83	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING AND INSTRUMENTATION DIAGRAM
CHEMICAL AND VOLUME CONTROL SYSTEM
BTRS SUB SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA592.161	D070928		NONE	5R179F05008*2		16

ESEED.DGN