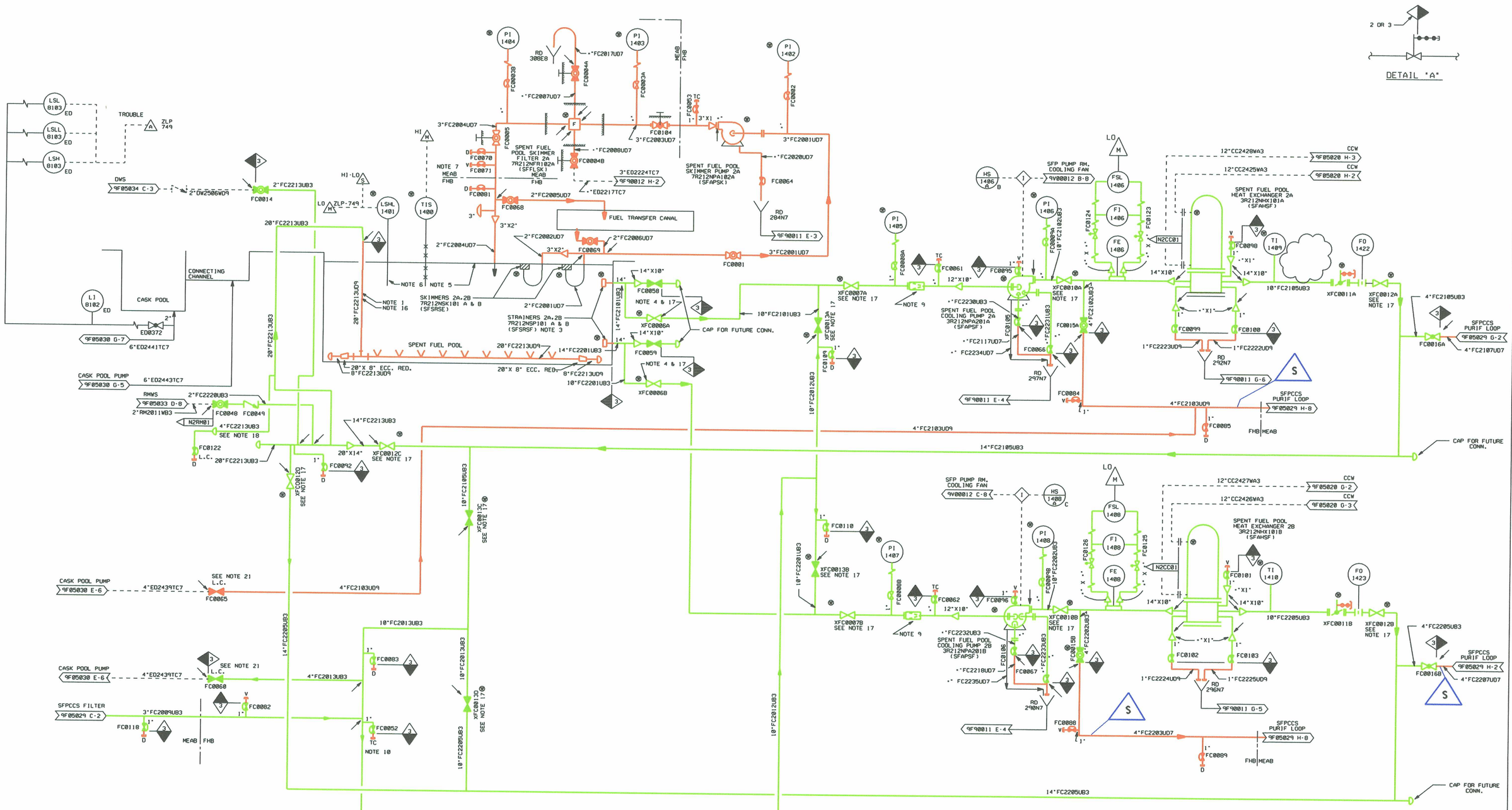

NOTES:

1. LOCATE · INCH HOLE IN PIPE 6 INCHES BELOW LOW WATER LEVEL.
2. TERMINATE PIPE 6 FEET ABOVE FUEL ASSEMBLIES
3. LOCATE 4 FEET BELOW NORMAL WATER LEVEL.
4. LOCATE VALVE CLOSE TO FUEL POOL WALL.
5. MAINTAIN MINIMUM OF 23 FT. OF WATER OVER THE TOP OF SPENT FUEL ASSEMBLIES SEATED IN THE STORAGE RACKS.
6. LEVEL INSTRUMENTATION IS ATTACHED VIA STAINLESS STEEL PIPE MOUNTED VERTICALLY ALONG POOL WALL.
7. TEMPERATURE INSTRUMENT IS MOUNTED ON PIPE YOKE IN FHB FLOOR AND SENSES WATER TEMPERATURE VIA CAPILLARY TUBE RUNNING INTO POOL.
8. BLIND FLANGE TO BE INSTALLED DURING ISOLATION VALVE TESTING.
9. SEE W SYSTEM STANDARD DESIGN CRITERIA 1.12 LAYOUT GUIDELINES. (BEC. NO. 0205-02-00008-WN)
10. TEST CONNECTIONS ATTACHED TO BOTTOM OF PIPING TO FACILITATE DRAINING OF LINES. LOCATE TV CONNECTIONS AS CLOSE AS POSSIBLE TO ISOLATION VALVE
11. FOR PIPING, VALVES, INSTRUMENTS, EQUIPMENT, ETC. REFER TO DWGS 9A310F00001 AND 9A310F00002 FOR IDENTIFICATION NUMBER DETAILS.
12. DELETED.
13. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR FC UNLESS OTHERWISE NOTED.
14. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP N UNLESS OTHERWISE NOTED.
15. TEMPERATURE INSTRUMENT IS MOUNTED ON PIPE YOKE IN RCB FLOOR AND SENSES WATER TEMPERATURE VIA CAPILLARY TUBE INTO POOL.
16. COOLING WATER RETURN SPRAY HEADER TO REST ON POOL FLOOR. HEADER PIPING IS TO BE LOCATED ALONG WEST END OF THE SPENT FUEL POOL FLOOR. HOLES IN HEADER ARE TO BE LOCATED TO AVOID IMPINGEMENT OF FUEL RACKS.
17. SEE DETAIL A ON THIS DWG.
18. FOR FUTURE CONNECTION.
19. DELETED
20. "N" SYSTEM DESIGNATOR IS N2FC01 EXCEPT WHERE SHOWN OTHERWISE.
21. LOCKING DEVICE/ADMINISTRATIVE CONTROL ADDED TO PROVIDE STRICTER CONTROL OF POTENTIAL SPENT FUEL POOL DRAIN PATH AS A RESULT OF DER JEN 88-065.
22. TWO 6" BLIND FLANGES (ONE AT EACH REACTOR CAVITY PENETRATION) SHALL BE INSTALLED PRIOR TO AND REMOVED FOLLOWING THE FUEL LOAD/REFUELING ACTIVITIES. DURING OPERATION MODES 1 THRU 5, STORE THESE REMOVED BLIND FLANGES SUCH THAT THE 6" PENETRATION THROUGH THE REACTOR CAVITY WALL STAYS OPEN DIRECTLY TO THE RCB. AN ECCENTRIC FLANGE ALIGNMENT, HELD IN PLACE WITH TWO BOLTS, IS ACCEPTABLE.

REFERENCES:

1. FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 0F00001 & 0F00002.
2. WESTINGHOUSE DRAWING NO 1465E63 SHEET 1 OF 2. (BEC. NO. 0292-02-00001-WN)

9/20

LR BOUNDARY DRAWING NO.	REV.
LR-STP-FC-5R219F05028#2	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
28		INCORP. DCN 0301845.	JSH				
27	8-12-02	INCORP. DCN 0201523.	VJM	ON FILE			
0-26	4-5-83	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
SPENT FUEL POOL
COOLING AND CLEANUP SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA431.281	D070928		NONE	5R219F05028#2	-	28

ESEED.DGN