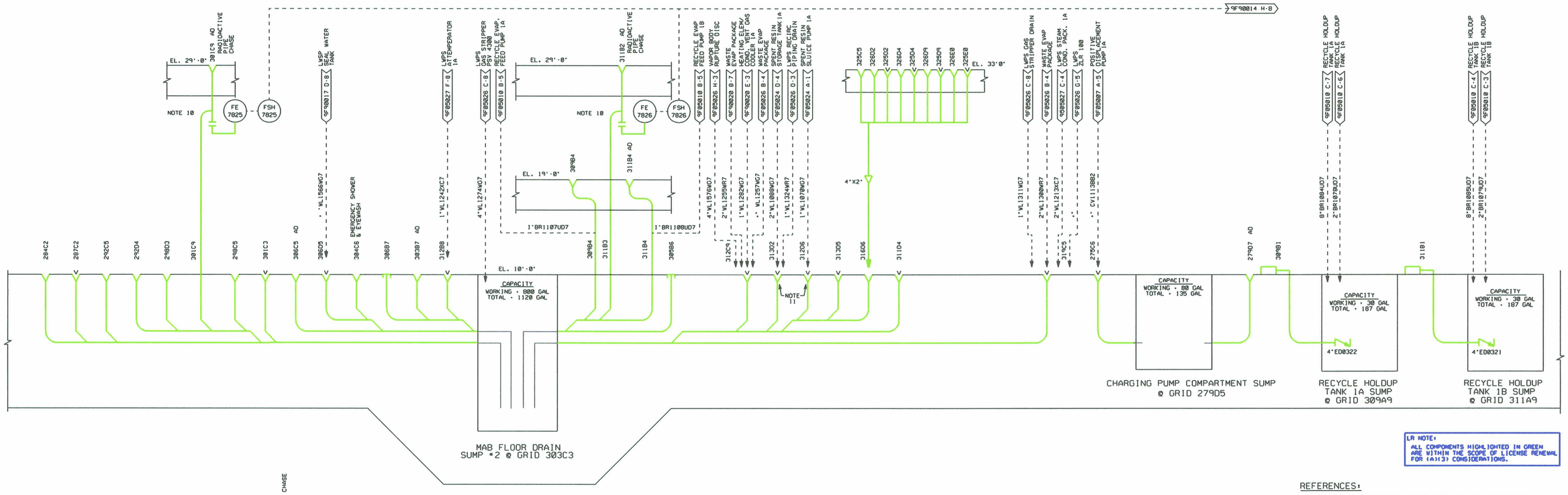

REFERENCES:

1. FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 9A310F00001 AND 9A310F00002.
2. OTHER RVDS P&ID'S ARE 50069F05030, 90869F05036, 70069F90010, 90269F90001), 70869F90012, 70869F90014, 70869F90015, 70869F90016, AND 90069F90026.
3. FLOOR DRAIN TYPES ARE SHOWN ON PLUMBING DRAWINGS 6M869J0137 AND 9M889B0138.

NOTES:

1. FLOOR DRAIN DESIGNATOR INDICATES FLOOR DRAIN LOCATION AS FOLLOWS: 30585 MEANS THAT THE FLOOR DRAIN IS LOCATED AT THE INTERSECTION OF COLS. 30.5 AND B.5.
2. AD DENOTES AREA DRAIN, WHICH IS NOT EXPECTED TO CONTAIN EQUIPMENT DRAINS IN THE FUTURE.
3. THE FOLLOWING UNIQUE SYMBOLS ARE USED ON THIS DRAWING:

FLOOR DRAIN, FD-10 (WHEN SPECIFIED) FD-2
FD-10, CAPPED
FLOOR DRAIN, FD-11
HUB DRAIN, HD-2
FLOOR CLEANOUT, FCO-5
CLEANOUT, CO-5
FLOOR DRAIN, FD-14

FOR AN EXPLANATION OF DRAIN FIXTURE TYPES, SEE REFERENCE 3.

4. THE SUMP PUMPS, INSTRUMENTATION & PUMPED LINES TO THE LWPS ARE SHOWN ON P&ID 9F05030.
5. 4"RISER BY PLUMBING. ALL DRAIN LINES SHOWN ARE 4" EXCEPT THOSE NOTED. NO LINE NUMBERS WILL BE ASSIGNED TO PLUMBING LINES.
6. THE FOLLOWING DENOTES THE CONCRETE FLOOR SLAB BOUNDARIES:
7. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR ED UNLESS OTHERWISE NOTED.
8. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP N UNLESS OTHERWISE NOTED.
9. FE7825 AND FE7826 ARE CONDUCTIVITY DETECTING FLOW ELEMENTS.
10. FOR PHYSICAL DESIGN OF INSTRUMENT TAP SEE DETAIL A-A OF 6M869B0126.
11. INSTALL 60 MESH SCREEN IN THE FLOOR DRAIN FIXTURE AS SHOWN IN DETAIL A OF 6M869B0135.
12. THE CLEANOUT DESIGN WILL BE FINALIZED LATER BASED ON THE PHYSICAL DESIGN AND DESIGN CRITERIA 50019N01015.
13. UNLESS OTHERWISE NOTED, UNIT 1 IS SHOWN ON THIS P&ID.
14. THIS DRAWING, 70869F90012 AND 70869F90014, SUPERCEDE DRAWINGS 70861F5032 REV H & 70862F5032 REV. C.
15. THIS DRAWING IS ONE OF TEN RVDS P&ID'S. SEE REFERENCE 2 FOR OTHER P&ID'S.
16. ASSUMPTION IN THE CALCULATIONS MC-6163 & NC-9703 THAT THE FLOOR DRAIN IN BORIC ACID TANK ROOM IS SEALED/CAPPED IS SATISFIED BY THE NORMALLY CLOSED DOUBLE ISOLATION VALVES ED0486 & ED0487. CURRENTLY INSTALLED DRAIN COVER SHOULD BE LEFT IN PLACE.

LR BOUNDARY DRAWING NO.	REV
LR-STP-ED-70069F90013*1	0B

D101

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
6		INCORP. DCN 9902682.	VJM				
0-5	10-26-83	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM
RADIOACTIVE VENT AND DRAIN SYSTEM
DRAINS TO MAB SUMPS *1, *2, CHARGING PUMP COMPARTMENT SUMP & RECYCLE HOLDUP TANK SUMPS

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA175.061	D070928		NONE	7Q069F90013*1		6

ESEED.DGN

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