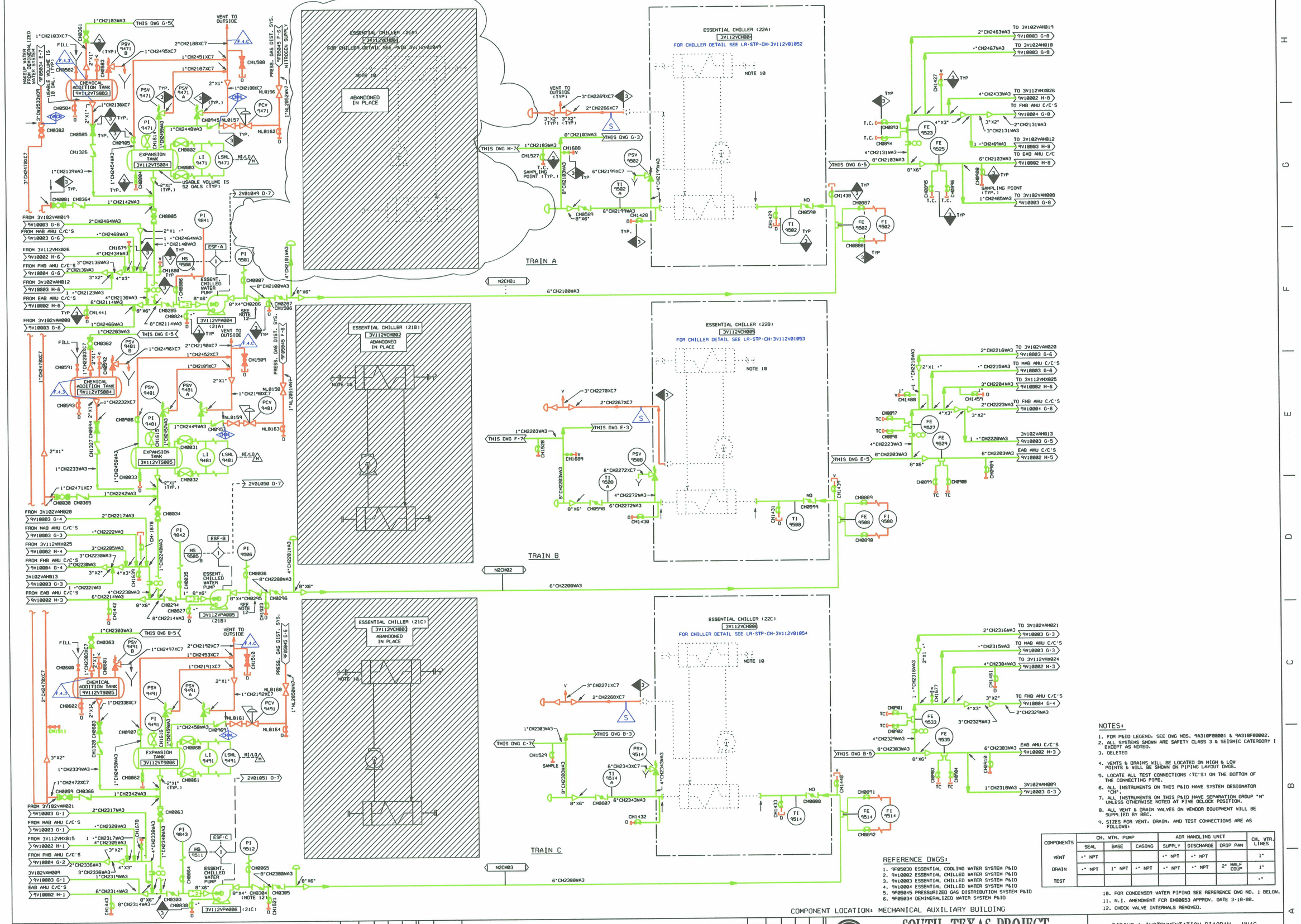

NOTES:

1. FOR P&ID LEGEND, SEE DWG NOS. 9A310F00001 & 9A310F00002.
2. ALL SYSTEMS SHOWN ARE SAFETY CLASS 3 & SEISMIC CATERGORY I EXCEPT AS NOTED.
3. DELETED
4. VENTS & DRAINS WILL BE LOCATED ON HIGH & LOW POINTS & WILL BE SHOWN ON PIPING LAYOUT DWGS.
5. LOCATE ALL TEST CONNECTIONS (TC'S) ON THE BOTTOM OF THE CONNECTING PIPE.
6. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "CH".
7. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP "N" UNLESS OTHERWISE NOTED AT FIVE OCLOCK POSITION.
8. ALL VENT & DRAIN VALVES ON VENDOR EQUIPMENT WILL BE SUPPLIED BY BEC.
9. SIZES FOR VENT, DRAIN, AND TEST CONNECTIONS ARE AS FOLLOWS:

COMPONENTS	CH. WTR. PUMP			AIR HANDLING UNIT			CH. WTR. LINES
	SEAL	BASE	CASING	SUPPLY	DISCHARGE	DRIP PAN	
VENT	.* NPT			.* NPT	.* NPT		1"
DRAIN	.* NPT	1" NPT	.* NPT	.* NPT	.* NPT	2" HALF COUP	1"
TEST							.*

10. FOR CONDENSER WATER PIPING SEE REFERENCE DWG NO. 1 BELOW.
11. N.I. AMENDMENT FCR EM00653 APPROV. DATE 3-18-88.
12. CHECK VALVE INTERNALS REMOVED.

REFERENCE DWGS:

1. 9F05030 ESSENTIAL COOLING WATER SYSTEM P&ID
2. 9V10002 ESSENTIAL CHILLED WATER SYSTEM P&ID
3. 9V10003 ESSENTIAL CHILLED WATER SYSTEM P&ID
4. 9V10004 ESSENTIAL CHILLED WATER SYSTEM P&ID
5. 9F05045 PRESSURIZED GAS DISTRIBUTION SYSTEM P&ID
6. 9F05034 DEMINERALIZED WATER SYSTEM P&ID

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
31		INCORP. OCN 0004002.	VJM				
0-30	12-16-82	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SEED.DGN

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.
1	FJA583.311	D070928	

PIPING & INSTRUMENTATION DIAGRAM - HVAC ESSENTIAL CHILLED WATER SYSTEM

SCALE	DWG. NO.	SHT.	REV.
NONE	5V119V10001*2		31

LR BOUNDARY DRAWING NO.	REV.
LR-STP-CH-5V119V10001*2	0B

2041

8 7 6 5 4 3 2 1

D E F G H

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