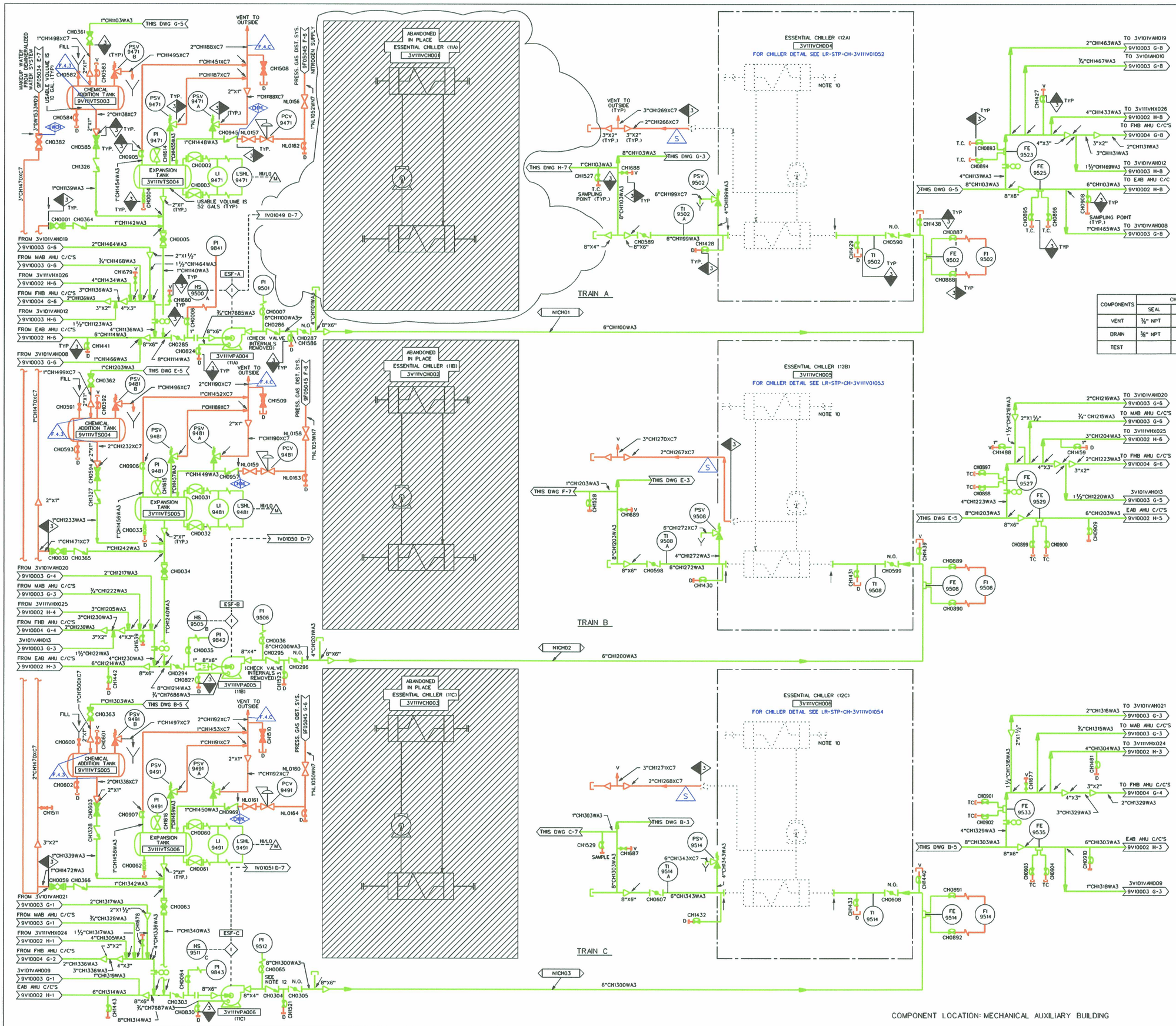

NOTES:

1. FOR P&ID LEGEND, SEE DWG NOS. 9A310F00001 & 9A310F00002.
2. ALL SYSTEMS SHOWN ARE SAFETY CLASS 3 & SEISMIC CATERGORY I EXCEPT AS SHOWN ON THIS DWG.
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	3/8" NPT			3/4" NPT	3/4" NPT		1"
DRAIN	3/8" NPT	1" NPT	1/2" NPT	3/4" NPT	3/4" NPT	2" HALF COUP	1"
TEST							1/2"

10. FOR CONDENSER WATER PIPING SEE REFERENCE DWG NO. 1 BELOW.
11. DELETED
12. VALVE INTERNALS REMOVED

REFERENCE DWGS:

1. 9F05038 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

D040

COMPONENT LOCATION: MECHANICAL AUXILIARY BUILDING

LR BOUNDARY DRAWING NO.	REV.
LR-STP-CH-5V119V10001*1	0C

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
31		INCORP. DCN's 0100786 & 0002427.	JSH				
30	4-9-02	INCORP. DCN's 0100788 & 0002382.	SIGNATURES ON FILE				
29	3-14-02	INCORP. DCN's 0002404, 0100787.	SIGNATURES ON FILE				
0-28	12-16-82	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM - HVAC
ESSENTIAL CHILLED WATER SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA128.311	D070928		NONE	5V119V10001*1	-	31

ESEED.DGN