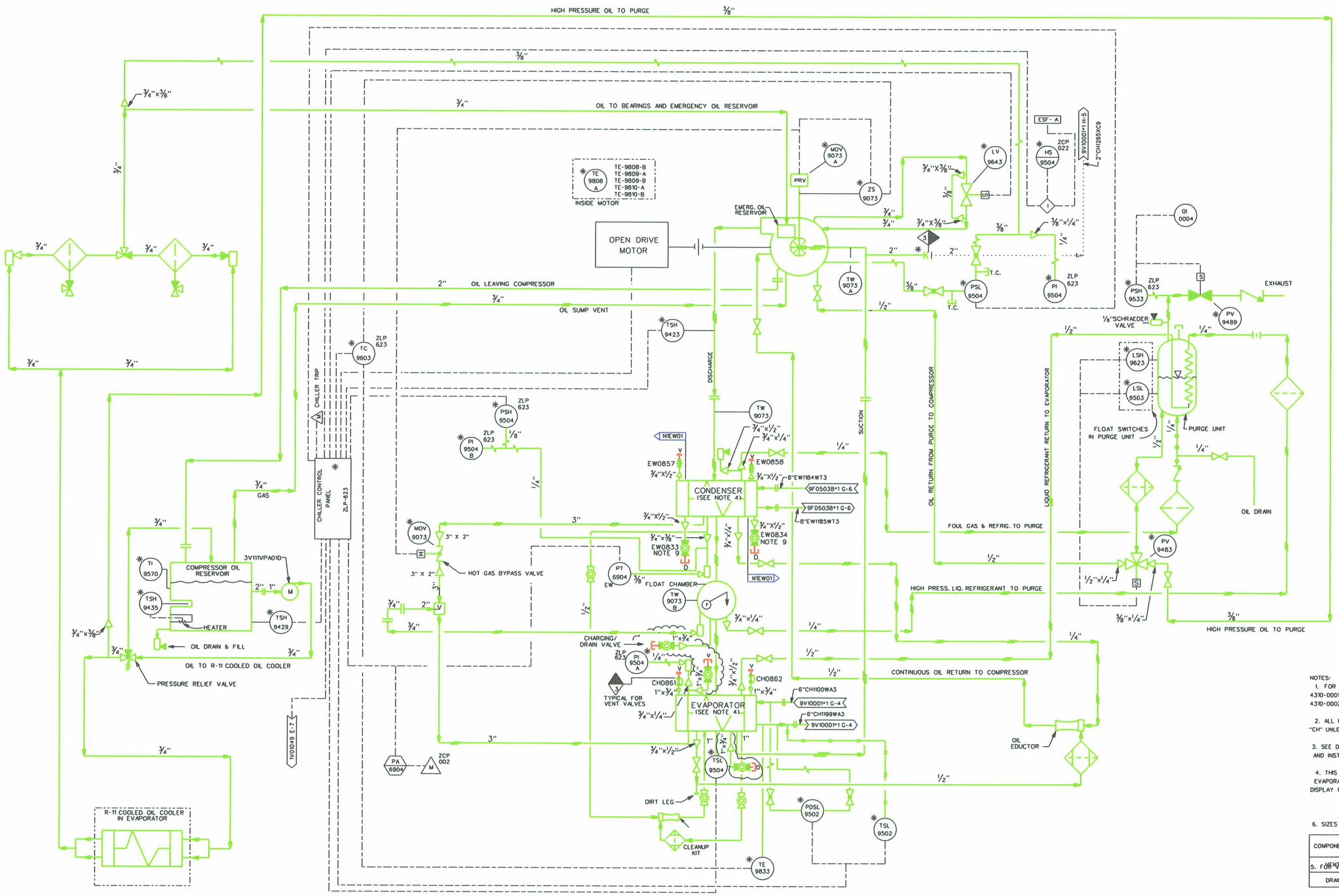

ESSENTIAL CHILLER 3V111VCH004 (12A)

NOTES:

1. FOR COMPONENT IDENTIFICATION, SEE VENDOR DOCS. 4310-00009-YD, 4310-00010-YD, 4310-00015-YD, 4310-00016-BY, 4310-00026-YD, 4310-00027-YD, 4310-00028-YD, 4310-00180-YD.

2. ALL INSTRUMENTS ON THIS DIAGRAM HAVE SYSTEM DESIGNATOR "CH" UNLESS OTHERWISE NOTED AND ARE PREFIXED BY UNIT NO. "1".

3. SEE DWGS 9A310F00001 AND 9A310F00002 FOR ALL PIPING AND INSTRUMENT SYMBOLS NOT DEFINED ON THIS DWG.

4. THIS CHILLER UTILIZES A MONO-SHELL DESIGN. THE CONDENSER, EVAPORATOR, AND INTERCONNECTING PIPING ARE SHOWN SEPARATE FOR DISPLAY PURPOSES ONLY.

6. SIZES FOR VENT, AND DRAIN CONNECTIONS ARE AS FOLLOWS:

COMPONENTS	CHILLER	
	EVAPORATOR	CONDENSER
VENT	3/4" NPT	3/4" NPT
DRAIN	3/4" NPT	3/4" NPT

5. FOR VENDOR ELECTRICAL DIAGRAM SEE DWG. 4310-00011-YD, 4310-00013-YD.

7. VALVES THAT ARE WITHOUT TAG NUMBERS ARE VENDOR SUPPLIED.

8. DELETED.

9. THESE 1/2" DRAIN VALVES WERE ORIGINALLY CONDENSER VENTS FOR THE 150 TON ESSENTIAL CHILLER. THE ORIGINAL TRIM ISOMETRIC (FOR WELD TRACEABILITY) IS 3M371PD47684 SH. A1, WITH THESE VALVES BEING ORIGINALLY CLASSIFIED AS CH SYSTEM WITH THE SAME VALVE NUMBER.

FILTER-DRYER	OIL FILTER	LIQUID INJECTION NOZZLE	PRE-ROTATION VANE MOTOR
SERVICE VALVE			

MIXED OIL AND REFRIGERANT LINE
CONTROL FUNCTIONS INTERRELATED
OIL LINE
REFRIGERANT LINE

D028

LR BOUNDARY DRAWING NO.	REV.
LR-STP-CH-3V111V01052	0B

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
10		INCORP. DCN 0401175.	JSH				
9	11-3-04	INCORP. DCN 0402099.	LNB	ON FILE			
8	7-11-02	REVISED PER CR 97-6297-141	JGL	ON FILE			
7	5-15-02	INCORP. DCN 0002423.	SIGNATURES ON FILE				
6	3-15-00	INCORPORATE DCN 9900812	SIGNATURES ON FILE				
0-5	1-05-93	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

ESEED. DGN

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.
1	V0053.101	D070928	

PIPING & INSTRUMENTATION DIAGRAM
REFRIGERATION CHILLER 3V111VCH004
CHILLED WATER SYSTEM TRAIN "A"

SCALE	DWG. NO.	SHT.	REV.
NONE	3V111V01052	-	10