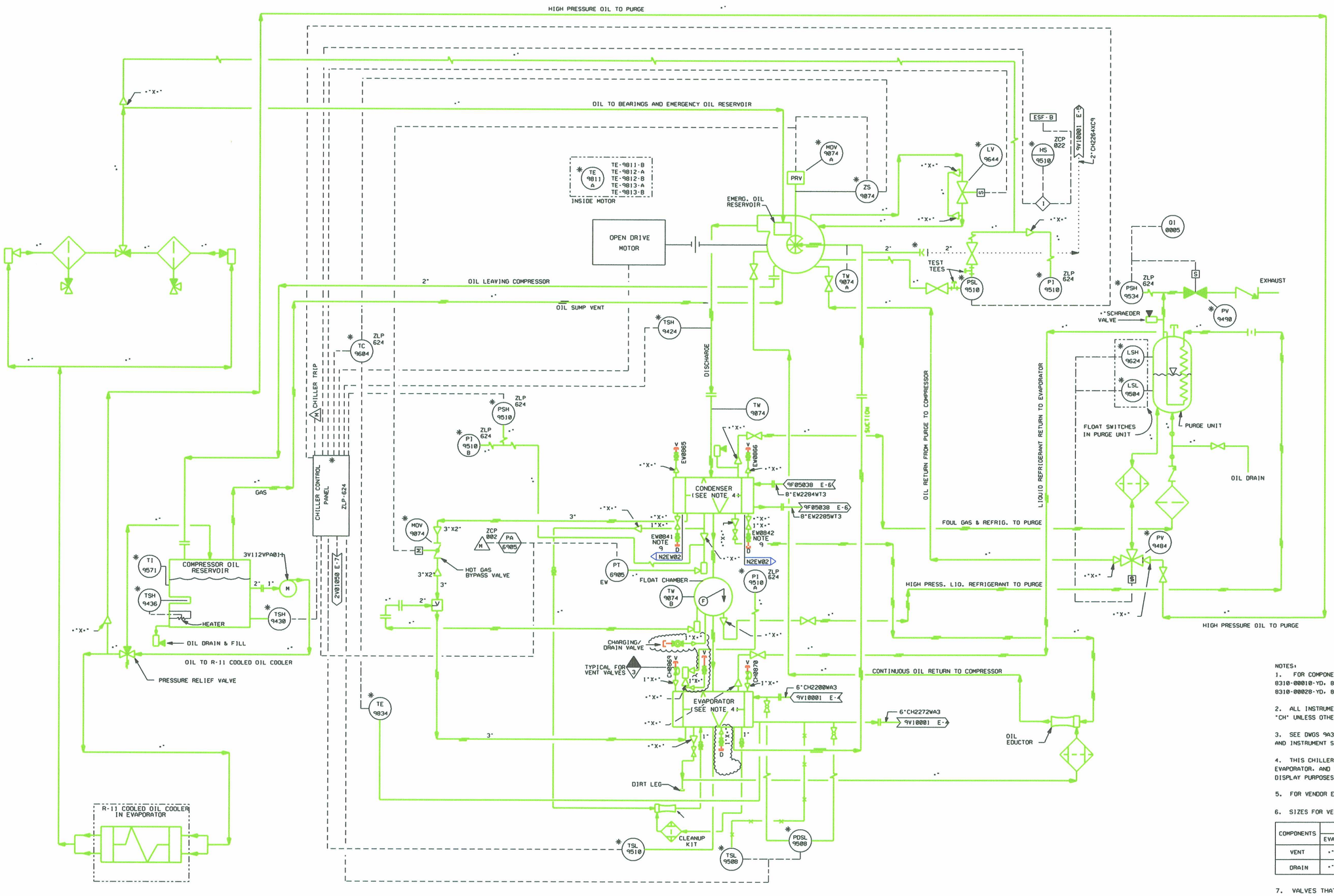

ESSENTIAL CHILLER 3V112VCH005 (22B)

NOTES:

1. FOR COMPONENT IDENTIFICATION, SEE VENDOR DOCS. 8310-00009-YD, 8310-00010-YD, 8310-00015-BY, 8310-00016-YD, 8310-00026-YD, 8310-00027-YD, 8310-00028-YD, 8310-00177-YD.

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

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.

5. FOR VENDOR ELECTRICAL DIAGRAM SEE DWG. 8310-00011-YD, 8310-00174-YD.

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

COMPONENTS	CHILLER	
	EVAPORATOR	CONDENSER
VENT	-" NPT	-" NPT
DRAIN	-" NPT	-" NPT

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

8. DELETED.

9. THESE DRAIN VALVES WERE ORIGNALLY CONDENSER VENTS FOR THE 150 TON ESSENTIALCHILLER. THE ORIGINAL TRIM ISOMETRIC (FOR WELD TRACIBILITY) IS3M372PCH7684 SHT. A01.

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

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

2032

LR BOUNDARY DRAWING NO.	REV.
LR-STP-CH-3V112V01053	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
14		INCORP. DCN 0401183.	JSH				
13	12-15-04	INCORP. DCN 0402117	JGL	ON FILE			
12	3-20-02	INCORP. DCN 0004023 AND REVISED PER CR 97-6297-141.	LNB	ON FILE			
0-11	1-6-93	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	V0057.141	D070928		NONE	3V112V01053		14

PIPING & INSTRUMENTATION DIAGRAM
REFRIGERATION CHILLER 3V112VCH005
CHILLED WATER SYSTEM TRAIN "B"

ESEED.DGN