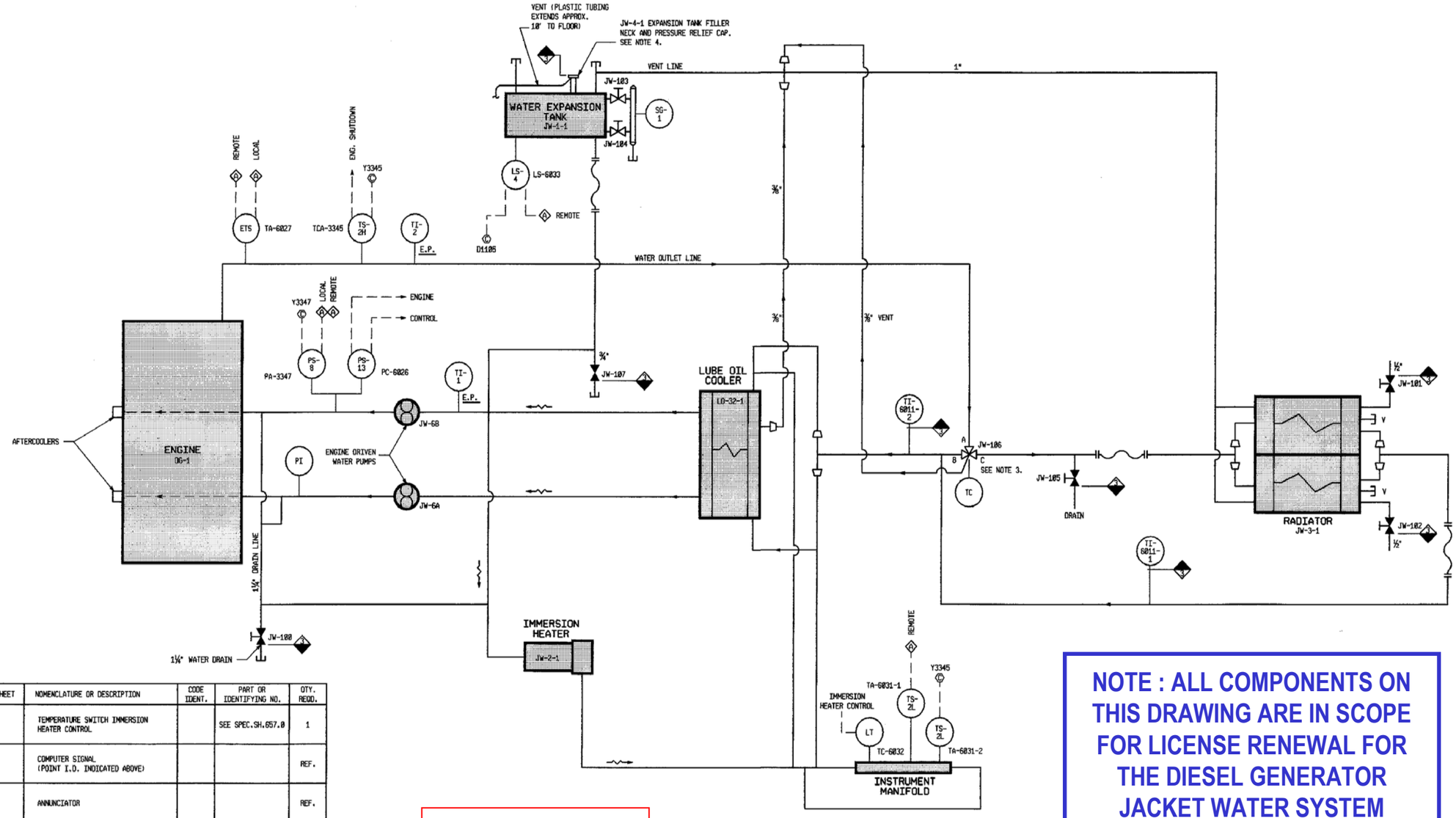

ITEM NO.	SHEET	NOMENCLATURE OR DESCRIPTION	CODE IDENT.	PART OR IDENTIFYING NO.	QTY. REQD.
LT		TEMPERATURE SWITCH IMMERSION HEATER CONTROL		SEE SPEC.SH.657.0	1
©		COMPUTER SIGNAL (POINT I.D. INDICATED ABOVE)			REF.
A		ANNUNCIATOR			REF.
SG-1		LEVEL GAUGE SIGHT GLASS		1-16-001-3	1
TS-2L		TEMPERATURE SWITCH LOW TEMP. SIGNAL		MKW NO.8394508 (SQUARE-D MODEL *9025BGW353) SEE NOTE 4	2
ETS		TEMPERATURE SWITCH HIGH TEMP. ALARM		2-55-009	1
PS-13		PRESS. SWITCH-AIR START CUT-OFF ON ACCELERATION		SOR GN6-AA2-S1-F1A-PP OR GN-AA2-SPP	1
PS-8		PRESSURE SWITCH LOW PRESSURE ALARM		SOR GN6-AA2-S1-F1A-PP OR GN-AA2-SPP	1
LS-4		LEVEL SWITCH		3-10-001-2	1
TS-2H		TEMPERATURE SWITCH HIGH TEMP. SIGNAL		2-55-010	1
TI-2		TEMPERATURE INDICATOR, 30°F TO 240°F WATER FROM ENGINE		1-15-004	1
TI-1		TEMPERATURE INDICATOR, 30°F TO 240°F WATER TO ENGINE		1-15-004	1

- PORTIONS OF SYSTEM WITHIN LICENSE RENEWAL SCOPE ARE BOUNDED BY LR FLAGS.
- UNLESS OTHERWISE INDICATED, VENTS, DRAINS AND TEST CONNECTIONS THAT ARE WITHIN LICENSE RENEWAL BOUNDARIES ARE INCLUDED IN LR SCOPE TO THE DISCHARGE OF THE VALVE.
- ALL INSTRUMENTATION LINES NORMALLY OPEN TO THE PROCESS SYSTEM, THROUGH AND INCLUDING THE INSTRUMENT, ARE INCLUDED IN LR SCOPE.
- IN GENERAL, LR FLAGS ARE NOT SHOWN FOR VENTS, DRAINS, TEST CONNECTIONS OR INSTRUMENT LINES EXCEPT FOR CONTAINMENT PENETRATIONS.
- THE LICENSE RENEWAL BOUNDARY INCLUDES THE PIPING AND SUPPORTS UP TO THE FIRST SEISMIC SUPPORT PAST THE BLUE BOUNDARY FLAG.

LEGEND

INDICATES STANDBY HEATING CONVECTION FLOW

E.P. DENOTES DEVICE LOCATED AT ENGINE PANEL

NOTE : ALL COMPONENTS ON THIS DRAWING ARE IN SCOPE FOR LICENSE RENEWAL FOR THE DIESEL GENERATOR JACKET WATER SYSTEM

NOTES:

1. JACKET WATER TEMPERATURE REGULATING VALVE IS DESIGNED TO MAINTAIN A UNIFORM WATER TEMPERATURE THRU THE ENGINE BY REGULATING THE FLOW OF WATER THRU THE RADIATOR. PORT "A" IS THE INLET, PORT "C" IS THE OUTLET TO THE RADIATOR AND PORT "B" BYPASSES THE RADIATOR. WHEN COLD, ALL THE WATER PASSES THRU PORT "B". WHEN HOT, ALL THE WATER PASSES THRU PORT "C". AT INTERMEDIATE TEMPERATURES, THE TOTAL FLOW IS IN PROPORTION BETWEEN PORT "B" & "C" DEPENDING UPON THE POSITION OF THE TEMPERATURE ELEMENT.
2. SEE MORRISON-KNUDSEN DWG. 688004001 FOR EXPANSION TANK FILLER NECK AND PRESSURE RELIEF CAP DETAIL.
3. ALL COMPONENTS OR SUBCOMPONENTS WHICH ARE PART OF THE PRESSURE RETAINING BOUNDARY ARE CDE AND SHALL BE DESIGNATED ANSI/ANS 51.1 SAFETY CLASS 3.
4. ECN-94-517 AUTHORIZES MKW PART NO.4004003 (SQUARE-D MODEL *9025GZW1-S141) AS SUITABLE SRI.

FORT CALHOUN STATION
EA-FC-00-121 DF 12/01
JACKET WATER SCHEMATIC FOR DG-1 P & ID
DWG. B120F04002, SH.1
REV.SH. 9 | APVD 7/31/97 | REV 24
FILE 17388

FOR INFORMATION ONLY

NOTE: THIS PRINT IS TO BE USED FOR THE FCS LICENSE RENEWAL PROJECT ONLY. IT MAY NOT REFLECT THE MOST CURRENT REVISION OF THIS DRAWING.