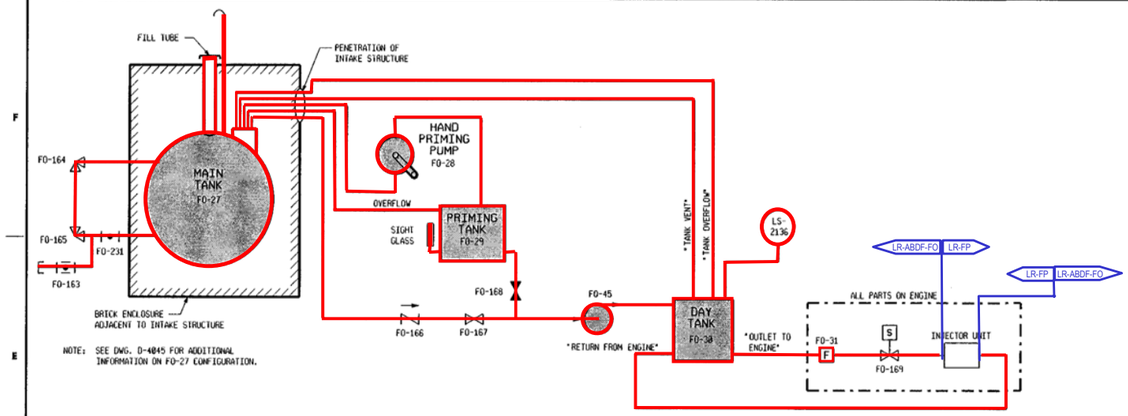
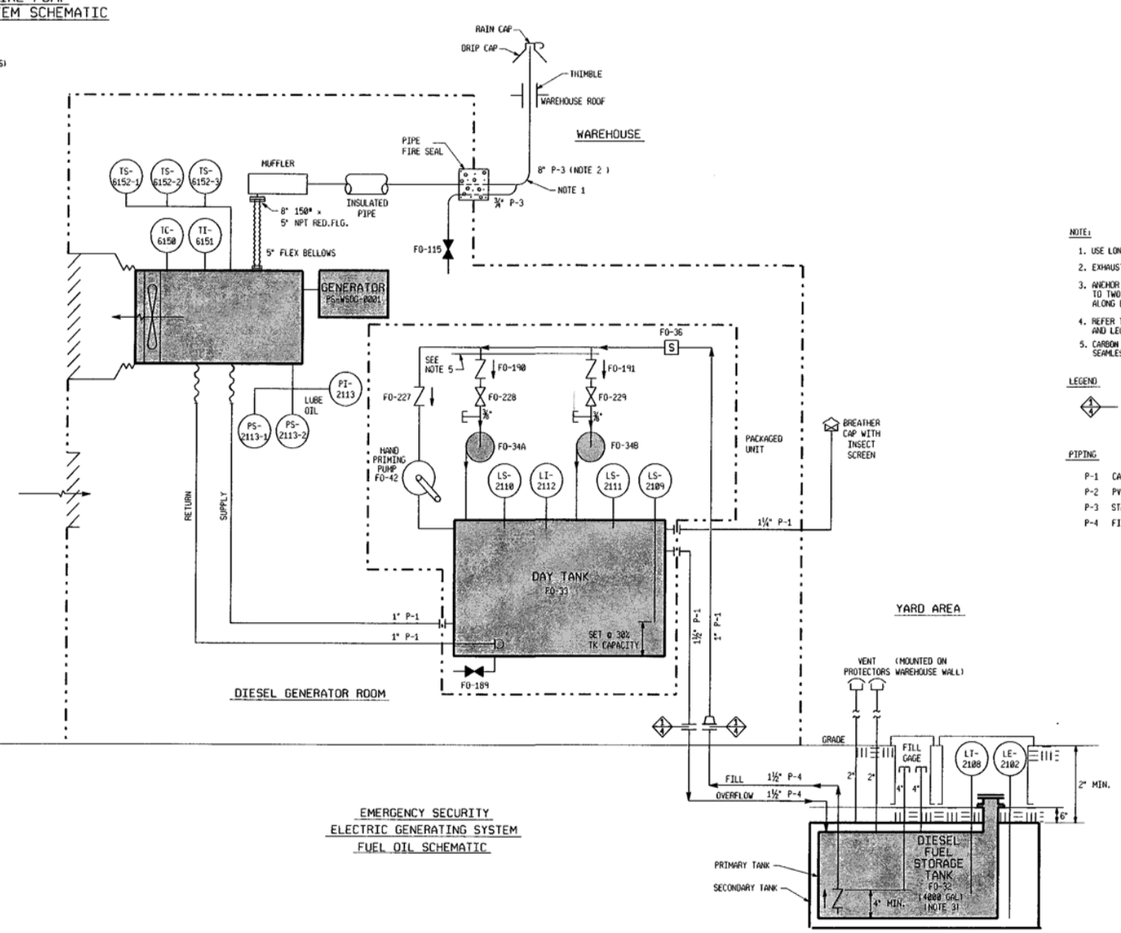


NOTE: SEE DWG. D-4045 FOR ADDITIONAL INFORMATION ON FO-27 CONFIGURATION.

FIRE PROTECTION SYSTEM
DIESEL FIRE PUMP
FUEL OIL SYSTEM SCHEMATIC

NORMALLY, THE DAY TANK IS KEPT FULL WITH THE HAND PRIMING PUMP. WHEN THE DIESEL STARTS, THE DAY TANK IS KEPT FULL THRU THE CHECK VALVE (FO-166) AND FO-167 BY SUCTION. THE PRIMING TANK IS MOUNTED HIGHER THAN THE DAY TANK. THE SIGHT GLASS IS ONLY CONNECTED TO THE PRIMING TANK AT THE BOTTOM OF THE GLASS. THE TOP OF THIS SIGHT GLASS IS OPEN TO ATMOSPHERE.



EMERGENCY SECURITY
ELECTRIC GENERATING SYSTEM
FUEL OIL SCHEMATIC

NOTE:

1. USE LONG RADIUS BEND FITTINGS.
2. EXHAUST PIPING TO BE WELDED OR FLANGED.
3. ANCHOR TANK USING THREE STRAPS ATTACHED TO TWO 22 FT. LONG BEADMEN THAT ARE ALONG EACH SIDE AND PARALLEL TO THE TANK.
4. REFER TO 11405-MECH-1 FOR SYMBOLS AND LEGEND.
5. CARBON STEEL PIPE SCHEDULE 80 ASTM 106 SEAMLESS GRADE A OR B.

LEGEND

CHANGE IN PIPING TYPE

PIPING

P-1 CARBON STEEL PIPE PER SPECIFICATION P-1
P-2 PVC PIPE PER SPECIFICATION P-2
P-3 STAINLESS STEEL PIPE PER SPECIFICATION P-3
P-4 FIBERGLASS REINFORCED PIPE PER SPECIFICATION P-4

- 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.

FORT CALHOUN STATION

EA-FC-00-112 DF 12/01

FUEL OIL SYSTEM
FP AND SECURITY DIESELS
P & ID

DWG. 11405-M-262, SH.3
REV.SH. 21224
FILE 42578
APPR 6/9/97
REV 7

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.