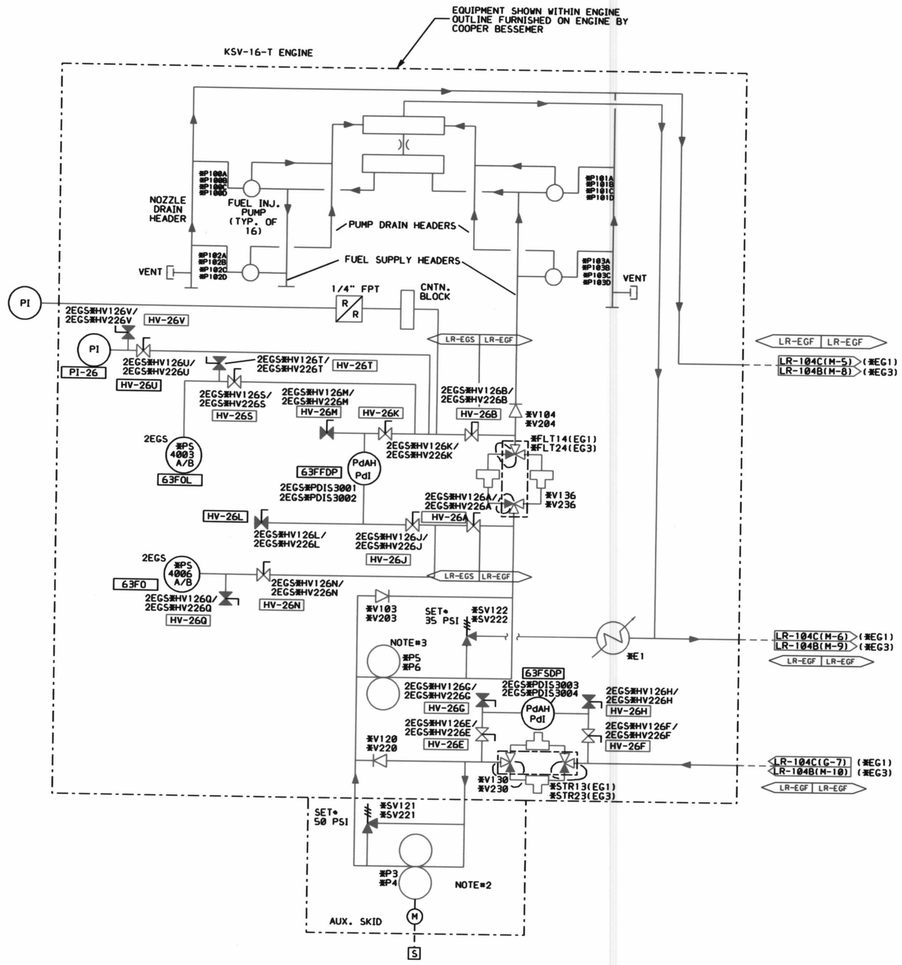
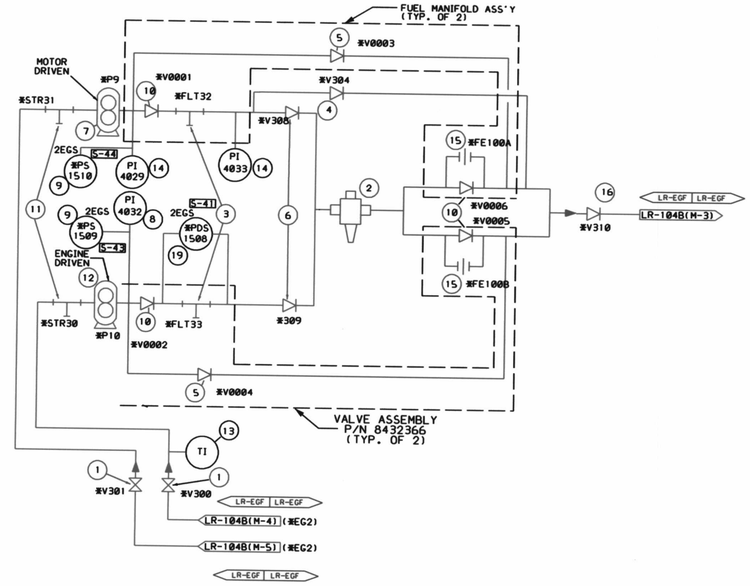
2EGS*EG1 & 2EGS*EG3
DIV. I DIV. II



2EGS*EG2
DIV. III



ITEM NO.	NOMENCLATURE OR DESCRIPTION
19	DIFFERENTIAL PRESSURE SWITCH (ALARM)
16	VALVE, CHECK 3/4" NPT STEEL
15	ORIFICE 1/16"
14	GAUGE, PRESSURE
13	FUEL TEMPERATURE GAGE (PANEL MOUNTED)
12	PUMP, FUEL, ENGINE DRIVEN 4 GPM@ 60 PSI
11	STRAINER
10	VALVE, RELIEF, 10 PSI (SEE NOTE 3)
9	SWITCH, ALARM-LOSS OF PRESSURE
8	GAUGE, PRESSURE
7	PUMP, FUEL, ASSY, 4 GPM DRIVEN BY 3/4HP, 115V DC MOTOR
6	VALVE, RELIEF, 1 PSI
5	VALVE, RELIEF, 65 PSI (SEE NOTE 3)
4	VALVE, RELIEF, 30 PSI
3	FILTER, DUPLEX (ELEMENT PNB423132 TWO PER FILTER)
2	INJECTOR
1	VALVE, FUEL CUT-OFF, 1" NPT

NOTES.

1. ITEMS MARKED WITH AN ASTERISK (*) ARE MOUNTED IN GAUGE AND ALARM PANEL.
2. MOTOR DRIVEN STANDBY BOOSTER PUMP-12.5 GPM@50 PSIG 125V DC MOTOR 1HP, 1800RPM. MOTOR STARTER FURNISHED BY COOPER BESSEMER MOUNTING AND WIRING OF STARTER BY CUSTOMER. PUMP STARTS ON ENGINE START SIGNAL TO PRIME ENGINE DRIVEN BOOSTER PUMP. STOPS ON SPEED SIGNAL FROM ENGINE. PUMP STARTS ON LOW PRESSURE AT BOOSTER PUMP DISCH.
3. ENGINE DRIVEN PRIMARY BOOSTER PUMP-11.0 GPM@ 50 PSIG
4. POWER WIRING DIRECTLY TO COMPONENTS IS BY CUSTOMER CONTROL AND METERING WIRING TO TERMINATE AT SKID MOUNTED JUNCTION BOXES BY COOPER BESSEMER REFER TO CONDUIT AND WIRING SCHEMATIC KSV-87 SERIES.
5. FIELD PIPING TO BE CLEANED PER SD-64-7.
6. FUEL PER COOPER BESSEMER SPEC. SE-117-1.
7. FUEL OIL DAY TANK TO BE ELEVATED TO PROVIDE POSITIVE SUCTION TO THE ENGINE MOUNTED FUEL OIL PUMPS.
8. ALL INSTRUMENTS & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2EGF-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEMS.
9. COOPER-BESSEMER IDENTIFICATION NUMBERS TO BE SHOWN IN RECTANGLES.
10. LETTER "A" COMPONENTS INDICATES FOR USE ON 2EGS*EG1
    LETTER "B" COMPONETS INDICATES FOR USE ON 2EGS*EG3
    100 SERIES NUMBERS INDICATE USE ON 2EGS*EG1
    200 SERIES NUMBERS INDICATE USE ON 2EGS*EG3.

LR NOTE:
PLEASE REFER TO DRAWING LR-000 SHEETS 2A THROUGH 2F FOR LR BOUNDARY DRAWING NOTES, SYMBOLS, AND ACRONYMS.

NOTES.

1. ---------- LINES INDICATE PIPING DONE BY OTHERS.
2. ALL COMPONENTS MOUNTED ON MAIN ENGINE BASE.
3. ITEMS 10 AND 5 COMBINED INTO VALVE ASSEMBLY PN 8432366 TO WHICH THE FILTERS BOLT. TWO OF THESE VALVE ASSEMBLIES ARE USED. THIS REDUCES EXTERNAL PIPING AND FITTINGS.
4. THE STATIC HEAD OF THE FUEL LEVEL IN THE DAY TANK SHOULD BE MINIMIZED WITH RESPECT TO THE ENGINE FUEL INJECTORS BUT SHOULD NOT BE NEGATIVE AND SHOULD NOT BE POSITIVE BY MORE THAN 12 FEET ABOVE THE ENGINE CRANKSHAFT HORIZONTAL CENTERLINE.
5.
6. ALL INSTRUMENTS & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2EGF-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTRISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEMS.
7. VENDOR IDENTIFICATION NUMBERS ARE IN RECTANGLES.
8. BALLOON ITEM NUMBERS ARE LISTED ABOVE

THIS DRAWING WAS PRODUCED ELECTRONICALLY. DO NOT MAKE ANY CHANGES MANUALLY.

SAFETY RELATED
QUALITY RELATED

Constellation Energy Group
NINE MILE POINT NUCLEAR STATION
UNIT 2 - SCRIBA, N.Y.

PIPING & INSTRUMENTATION DIAGRAM
FUEL OIL SCHEMATIC
STANDBY DIESEL GENERATOR SYSTEM

SCALE NONE | DRAWING NO LR-104F-0

NF	REV	DATE	DESCRIPTION OF REVISION	M.O.	DFT	DES	CHKD	ENG	ELEC	MECH	STR

...\LR-104_f.dgn 5/14/2004 2:51:00 PM