

			
AMPLIACIÓN DE LA CAPACIDAD DE GENERACIÓN Y TRANSPORTE DE ELECTRICIDAD EN LA ISLA DE MARGARITA			
SERVICIO DE ADECUACIÓN A SISTEMA DUAL DE DOS (2) UNIDADES, MARCA GENERAL ELECTRIC, MODELO 7001EA QUE SERÁN INSTALADAS EN LA PLANTA JUAN BAUTISTA ARISMENDI			

DEVICE SUMMARY

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0	09/08/2011	ISSUED FOR CONSTRUCTION	58	Domingo Guzmán	Iker Candina	

REVISADO POR DERWICK:	APROBADO POR DERWICK:	REVISADO POR EDC:	APROBADO POR EDC:
FIRMA:	FIRMA:	FIRMA:	FIRMA:
NOMBRE: Domingo Guzmán	NOMBRE: Iker Candina	NOMBRE:	NOMBRE:

			
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<p>DEVICE SUMMARY</p>			

NOTES:

1. DRAFT THAT INCLUDES DUAL FUEL DEVICES.
2. SYSTEM PARAMETERS AND SPECIFICATIONS ARE BASED ON GE DRAWING 377A3127 (PROVIDED BY CUSTOMER). INCLUDING REQUIRMENTS FOR DUAL FUEL SYSTEMS PER CUSTOMER SCOPE OF WORK.

DEVICE SUMMARY (GAS TURBINE)

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<p>DEVICE SUMMARY</p>			

System	Title
0415	CONTROL DEVICES – TURBINE
0416	LUBE OIL SYSTEM
0417	COOL & SEAL AIR SYSTEM
0418	TRIP OIL SYSTEM
0419	CONTROL AIR
0420	COOLING WATER SYSTEM
0421	STARTING SYSTEM
0422	GAS FUEL SYSTEM
0424	LIQUID FUEL SYSTEM
0425	ATOMIZING AIR SYSTEM
0426	FIRE PROTECTION SYSTEM
0427	LIQUID FUEL FORWARDING SYSTEM
0432	INLET AIR HEATING
0434	HYDRAULIC SUPPLY SYSTEM
0436	HEAT & VENT SYSTEM
0440	LOAD EQUIPMENT
0442	TURBINE & COMPRESSOR WASH
0453	COOLING WATER SYSTEM
0461	WATER WASH UNIT
0462	WATER INJECTION SYSTEM
0469	INLET GUIDE VANE SYSTEM
0471	INLET AND EXHAUST
0474	HAZARDOUS GAS DETECTION
0477	FUEL PURGE
0484	GAS SCRUBBER
0485	GAS HEATER
0492	PERFORMANCE MONITOR
N/A	DEMIN WATER FORWARDING
N/A	LIQUID FUEL MANAGEMENT

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DEVICE SUMMARY			

SWITCH SETTINGS

CONTACT CONDITION
NO - NORMALLY OPEN

NC - NORMALLY CLOSED

() - PARENTHESIS INDICATES SETS OF CONTACTS

ADDITIONAL CONTACTS
CEC - ADDITIONAL CONTACT:
NORMALLY CLOSED
ELECTRICALLY COMMON

CES - ADDITIONAL CONTACT:
NORMALLY CLOSED
ELECTRICALLY SEPARATE

OEC - ADDITIONAL CONTACT:
NORMALLY OPEN
ELECTRICALLY COMMON

OES - ADDITIONAL CONTACT:
NORMALLY OPEN
ELECTRICALLY SEPARATE

EXAMPLE: NORM = (2) NO-CEC

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<p>DEVICE SUMMARY</p>			

DEVICE	SYSTEM	SETTINGS
20AA-1	0425	ATOMIZING AIR BY PASS VALVE NORM= 1 TO 3 OPEN; 2 CLOSED
20AB-1	0425	STARTING ATOMIZING AIR COMPRESSOR ISO SOLENOID VALVE NORM=1 TO 3 OPEN; 2 CLOSED
20AP-1	0419	APU SHUTOFF VALVE DE-ENERGIZED: 1 TO 2 CLOSED ENERGIZED: 1 TO 2 OPEN 120 VAC; 60 HZ PROTECTS DESSICANT FROM OVER TEMPERATURE
20BP-1	0477	PURGE SYSTEM BYPASS SOLENOID VALVE NORM=1 TO 3 OPEN; 2 CLOSED; PRESSURE AT 2 BY-PASS ORIFICE VALVE ACTUATION. FOR LIQUID PURGE PRESSURE RATIO CONTROL
20CB-1	0417	COMPRESSOR BLEED SOL 3 WAY VALVE NORM=B TO C OPEN; A CLOSED
20CF-1	0424	LIQUID FUEL PUMP CLUTCH SOLENOID NORM=DE-ENERGIZED AND DISENGAGED
20FD-1	0427	FUEL MANAGEMENT SPOOL STOP SOLENOID VALVE ENERGIZED TO OPEN; FAIL CLOSED ON POWER LOSS 125VDC, 13.5 AMP IN RUSH, 0.1 AMP HOLDING
20FG-1	0418	FUEL GAS STOP VALVE SOLENOID VALVE NORM=OPEN; ENERGIZE TO CLOSE
20FK-1	0424	MULTIPORT FUEL VALVE SOLENOID NORM=P TO PLUGGED; A-CLOSED; B OPEN; T DRAIN
20FL-1	0418	LIQUID FUEL STOP VALVE SOLENOID VALVE NORM=OPEN; ENERGIZE TO CLOSE
20FP-1	0426	FIRE PROTECTION-INITIAL DISCH SOLENOID VALVE (ZONE 1) INITIAL DISCHARGE (ZONE 1)

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20FP-1E	0426	FIRE PROTECTION-EXTENDED DISCH SOLENOID VALVE (ZONE 1) EXTENDED DISCHARGE (ZONE 1)
20FP-2	0426	FIRE PROTECTION-INITIAL DISCH SOLENOID VALVE (ZONE 2) INITIAL DISCHARGE (ZONE 2)
20FP-2E	0426	FIRE PROTECTION-EXTENDED DISCH SOLENOID VALVE (ZONE 2) EXTENDED DISCHARGE (ZONE 2)
20FP-3	0426	FIRE PROTECTION-INITIAL DISCH SOLENOID VALVE (ZONE 3) INITIAL DISCHARGE (ZONE 3)
20FP-3E	0426	FIRE PROTECTION-EXTENDED DISCH SOLENOID VALVE (ZONE 3) EXTENDED DISCHARGE (ZONE 3)
20HR-1	0421	HYDRAULIC RACHET STROKE SOL 4 WAY VALVE PART OF TORQUE CONVERTOR NORM=RETURN POSITION; ENERGIZE TO STROKE
20PG-1	0477	GAS FUEL SYSTEM PURGE SOLENOID VALVE NORM=1 TO 3 OPEN; 2 CLOSED; PRESSURE AT 2 PRIMARY GAS FUEL PURGE
20PG-2	0477	GAS FUEL SYSTEM PURGE SOLENOID VALVE NORM=1 TO 3 OPEN; 2 CLOSED; PRESSURE AT 2 PRIMARY GAS FUEL PURGE
20PG-3	0477	GAS FUEL SYSTEM PURGE SOLENOID VALVE NORM = 1 TO 3 OPEN, 2 CLOSED, PRESS AT 2
20PG-4	0477	GAS FUEL SYSTEM PURGE SOLENOID VALVE NORM = 1 TO 3 OPEN, 2 CLOSED, PRESS AT 2
20PL-1	0477	LIQUID FUEL SYSTEM PURGE SOLENOID VALVE PRIMARY LIQUID FUEL NORM=1 TO 3 OPEN; 2 CLOSED; PRESSURE AT 2
20PL-2	0477	LIQUID FUEL SYSTEM PURGE SOLENOID VALVE NORM= 1 TO 3 OPEN; 2 CLOSED, PRESSURE AT 2
20PL-3	0477	LIQUID FUEL SYSTEM PURGE SOLENOID VALVE PRIMARY LIQUID FUEL NORM=1 TO 3 OPEN; 2 CLOSED; PRESSURE AT 2

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20PL-4	0477	LIQUID FUEL SYSTEM PURGE SOLENOID VALVE NORM= 1 TO 3 OPEN; 2 CLOSED, PRESSURE AT 2
20 TH-1	0432	INLET HEATING CONTROL VALVE TRIP SOLENOID VALVE DE-ENERGIZED TO TRIP VA20-1 ENERGIZED TO OPERATE VA20-1
20TU-1	0421	TORQUE CONVERTER FILL/DRAIN SOLENOID VALVE NORM=OPEN; ENERGIZE TO CLOSE PART OF TORQUE CONVERTOR
20TV-1	0418	TURBINE COMPRESSOR IGV SOLENOID VALVE NORM=OPEN; ENERGIZE TO CLOSE
20TW-1	0442	OFF-LINE COMPRESSOR WASH WATER INJ SOL (MOTOR) VALVE 115 VAC; 50/60 HZ 2.000A;
20TW-3	0442	ON-LINE COMPRESSOR WASH WATER INJ SOL (MOTOR) VALVE 115 VAC; 50/60 HZ; 2.000 A;
20VG-1	0422	FUEL GAS VENT SOLENOID VALVE NORM=OPEN; ENERGIZE TO CLOSE
20VG-2	0477	FUEL GAS VENT SOLENOID VALVE NORM=1 TO 3 OPEN; 2 CLOSED; PRESS AT 2 PRIMARY GAS PURGE VENT VALVE.
20VG-3	0477	FUEL GAS VENT SOLENOID VALVE SOLEN. NORM= 1 TO 3 OPEN; 2 CLOSED; PRESS AT 2
20WN-1	0462	WATER INJECTION SOLENOID STOP VALVE NORM=CLOSED; ENERGIZE TO OPEN
20PW-1	0477	WATER INJECTION SYSTEM PURGE SOLENOID VALVE PRI+SEC WATER PURGE SYSTEM NORM=1 TO 3 OPEN; 2 CLOSED; PRESSURE AT 2
23AB-1	0425	HEATER-STARTING ATOMIZING AIR COMPRESSOR MOTOR 60.00 W; 120 VAC; 1 PH; 60 HZ;

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23AP-1	0419	APU HEAT TRACING 100.0 W; 120 VAC; 1 PH; 60 HZ;
23BT-1	0436	HEATER-TURBINE COMPT FAN MOTOR 200.00 W; 120 VAC; 1 PH; 60 HZ;
23CR-1	0421	HEATER-CRANKING MOTOR 800.0 W; 120 VAC; 1 PH; 60 HZ;
23FC-1	0453	HEATER-WATER COOLING FAN MOTOR 60.00 W; 120 VAC; 1 PH; 60 HZ;
23FC-2	0453	HEATER-WATER COOLING FAN MOTOR 60.00 W; 120 VAC; 1 PH; 60 HZ;
23FC-3	0453	HEATER-WATER COOLING FAN MOTOR 60.00 W; 120 VAC; 1 PH; 60 HZ;
23FH-5	0485	FUEL HEATER 500.0 KW; 480 VAC; 3 PH; 60 HZ; ISA DEVICE NAME: EH-1
23HA-1	0436	SPACE HEATER- ACCESSORY COMPARTMENT 20.00 KW; 480 VAC; 3 PH; 60 HZ; HEATING FOR FREEZE PROTECTION
23HA-2	0436	SPACE HEATER- ACCESSORY COMPARTMENT 20.00 KW; 480 VAC; 3 PH; 60 HZ; HEATING FOR FREEZE PROTECTION
23HA-3	0436	SPACE HEATER-ACCESSORY COMPARTMENT 3.600 KW; 480 VAC; 1 PH; 60 HZ; HEATING FOR HUMIDITY CONTROL
23HG-1	0440	SPACE HEATER-GENERATOR 2.250 KW; 480 VAC; 3 PH; 60 HZ;
23HG-3	0440	SPACE HEATER-GENERATOR 2.250 KW; 480 VAC; 3 PH; 60 HZ;
23HG-5	0440	SPACE HEATER-GENERATOR 2.250 KW; 480 VAC; 3 PH; 60 HZ;

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23HQ-1	0434	HEATER-HYDRAULIC OIL PUMP MOTOR 75.00 W; 110 VAC; 1 PH; 60 HZ;
23HT-1	0436	SPACE HEATER-TURBINE COMPARTMENT 30.00 KW; 480 VAC; 3 PH; 60 HZ; HEATING FOR FREEZE PROTECTION
23HT-2	0436	SPACE HEATER-TURBINE COMPARTMENT 30.00 KW; 480 VAC; 3 PH; 60 HZ; HEATING FOR FREEZE PROTECTION
23HT-3	0436	SPACE HEATER-TURBINE COMPARTMENT 3.600 KW; 480 VAC; 1 PH; 60 HZ; HEATING FOR HUMIDITY CONTROL
23QA-1	0416	HEATER-AUX LUBE OIL PUMP MOTOR 75.00 W; 110 VAC; 1 PH; 60 HZ;
23QT-1	0416	IMMERSION HEATER-LUBE OIL TANK 15.00 KW; 460 VAC; 3 PH; 60 HZ;
23QT-2	0416	IMMERSION HEATER-LUBE OIL TANK 15.00 KW; 460 VAC; 3 PH; 60 HZ;
23QV-2A	0416	SPACE HEATER-FOR 88QV-1A 75.00 W; 110 VAC; 1 PH; 60 HZ;
23TK-1	0417	TURBINE SHELL & EXHAUST FRAME BLOWER MOTOR HEATER 100.0 W; 120 VAC; 1 PH; 50/60 HZ; HEATER TO BE DUAL RATED 100/120V 50/60HZ
23TK-2	0417	TURBINE SHELL & EXHAUST FRAME BLOWER MOTOR HEATER 100.0 W; 120 VAC; 1PH; 50/60 HZ; HEATER TO BE DUAL RATED 100/120V 50/60HZ
23TW-1	0461	HEATER-WATER WASH PUMP MOTOR 60.00 W; 120 VAC; 1 PH; 60 HZ; (PART OF 88TW-1)
23VL-1	0422	HEATER-GAS VALVE COMPT VENT FAN MOTOR 30.00 W; 120 VAC; 1 PH; 60 HZ;

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DEVICE SUMMARY			

23VL-2	0422	HEATER-GAS VALVE COMPT VENT FAN MOTOR 30.00 W; 120 VAC; 1 PH; 60 HZ;
23VS-1	0422	SPACE HEATER-VALVE COMPARTMENT 3.600 KW; 480 VAC; 3 PH; 60 HZ;
23WC-1	0453	HEATER-COOLING WATER PUMP MOTOR 100.0 W; 120 VAC; 1 PH; 60 HZ;
23WC-2	0453	HEATER-COOLING WATER PUMP MOTOR 100.0 W; 120 VAC; 1 PH; 60 HZ;
23WK-1	0461	IMMERSION HEATER WATER WASH 25.00 KW; 480 VAC; 3 PH; 60 HZ;
23WK-2	0461	IMMERSION HEATER WATER WASH 25.00 KW; 480 VAC; 3 PH; 60 HZ;
23WS-1	0461	WATER WASH SKID SPACE HEATER 10.00 KW; 480 VAC; 3 PH; 60 HZ;
23WN-1	0462	WATER INJECTION PUMP MOTOR SPACE HEATER
26AD-1	0419	APU COOLING FAN TEMPERATURE SWITCH INCREASING: 110.0+-5.000 F OR 43.33+-2.778 C (DECREASING 100.0+-5.000 F OR 37.78+-2.778 C) PREVENTS OVER HEATING OF THE DESICCANT AIR DRY
26AP-1	0419	APU THERMOSTAT DECREASING: 45.00+-5.000 F OR 7.222+-0.5556 C CONTROLLER FOR HEAT TRACING 23AP-1
26AP-2	0419	APU OVER TEMPERATURE SWITCH INCREASING: 160.0+-5.000 F OR 71.11+-2.778 C (DECREASING: 120.0+-5.000 F OR 48.89 +-2.778 C NORM=(1) NC-OEC; CONTROLS 20AP-1
26BT-1	0436	TURBINE COMPARTMENT TEMP SWITCH INCREASING: 115.0+-5.000 F OR 46.11+-2.778 C NORM=NC-OEC;

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<p>DEVICE SUMMARY</p>			

26BT-2	0436	TURBINE COMPARTMENT TEMP SWITCH INCREASING: 300.0+-5.000 F OR 148.9+-2.778 C NORM=NC-OEC;
26FH-5	0485	HEATER 23FH-5 ELEMENT OVERTEMPERATURE TYPE K THERMOCOUPLE UNGROUNDDED; HEATER ELEMENT OVERTEMPERATURE ISA DEVICE NAME: TE-1H
26HA-1	0436	ACCESSORY COMPARTMENT THERMOSTAT DECREASING: 50.00+-2.000 F OR 10.00+-1.111 C NORM=NC-OEC;
26HA-3	0436	ACCESSORY COMPARTMENT THERMOSTAT DECREASING: 100.0+-2.000 F OR 37.78+-1.111 C NORM=NC-OEC;
26HT-1	0436	TURBINE COMPARTMENT THERMOSTAT DECREASING: 50.00+-2.000 F OR 10.00+-1.111 C NORM=NC-OEC;
26HT-3	0436	TURBINE COMPARTMENT THERMOSTAT DECREASING: 100.0+-2.000 F OR 37.78+-1.111 C NORM=NC-OEC;
26QA-1	0416	LUBE OIL HEADER HIGH TEMP ALARM INCREASING: 165.0+-3.000 F OR 73.89+-1.667 C (DECREASING: 159.0+-3.000 F OR 70.56+-1.667 C) NORM=(1) NC-OEC;
26QL-1	0416	LUBE OIL TANK TEMP HEATERS ON/OFF DECREASING: 70.00+-3.000 F OR 21.11+-1.667 C (INCREASING: 84.00+-8.000 F OR 28.89+-4.444 C) NORM=(1) NC-OEC;
26QN-1	0416	LUBE OIL TANK TEMP-NORMAL DECREASING: 60.00+-3.000 F OR 15.56+-1.667 C (INCREASING: 61.25+-0.7500 F OR 16.25+-0.4167 C) NORM=(1) NO=CEC;

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<p>DEVICE SUMMARY</p>			

26QT-1A	0416	LUBE OIL HEADER HIGH TEMP TRIP INCREASING: 175.0+-3.000 F OR 79.44+-1.667 C (DECREASING: 169.0+-3.000 F OR 76.11+-1.667 C) NORM=(1) NC-OEC;
26QT-1B	0416	LUBE OIL HEADER HIGH TEMP TRIP INCREASING: 175.0+-3.000 F OR 79.44+-1.667 C (DECREASING: 169.0+-3.000 F OR 76.11+-1.667 C) NORM=(1) NC-OEC;
26TW-4	0461	-5 TO 50 MV, TEMPERATURE ELEMENT FOR TANK TEMPERATURE INCREASING: 180.0+-5.000 F OR 82.22+-2.778 C (DECREASING: 52.00+-2.000 F OR 11.11+-1.111 C) THIRD SETPOINT 65F +/-2F INCREASING
26VS-1	0422	THERMOSTAT-GAS FUEL MODULE INCREASING: 40.00+-5.000 F OR 4.444+-2.778 C
26VW-3	0461	TEMPERATURE ELEMENT FOR COMPT. SPACE HEATER AND VENT FAN TYPE J THERMOCOUPLE 1 ELEMENT; OPERATE VENT FAN AT 95 DEGREES F INCREASING, OPERATE SPACE HEATER AT 65 DEGREES F DECREASING, ALARM AT 43 DEGREES F DECREASING, ALARM AT 130 DEGREES F INCREASING
27AD-1	0419	APU LOSS OF POWER ALARM WIRE TO MK V / MK VI
27TF-1	0471	TURBINE INLET AIR FILTER UNDERVOLTAGE NORM=(2) NO-CEC;
28FD-3P	0415	FLAME DETECTOR COMBUSTION CHAMBER #3-PRIMARY ZONE
28FD-3S	0415	FLAME DETECTOR COMBUSTION CHAMBER #3-SECONDARY ZONE
28FD-4P	0415	FLAME DETECTOR COMBUSTION CHAMBER #4-PRIMARY ZONE
28FD-4S	0415	FLAME DETECTOR COMBUSTION CHAMBER #4-SECONDARY ZONE
28FD-7P	0415	FLAME DETECTOR COMBUSTION CHAMBER #7-PRIMARY ZONE

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28FD-7S	0415	FLAME DETECTOR COMBUSTION CHAMBER #7-SECONDARY ZONE
28FD-8P	0415	FLAME DETECTOR COMBUSTION CHAMBER #8-PRIMARY ZONE
28FD-8S	0415	FLAME DETECTOR COMBUSTION CHAMBER #8-SECONDARY ZONE
2FP-1	0426	FIRE PROTECTION-INITIAL DISCHARGE TIMER (ZONE 1) INITIAL DISCHARGE
2FP-1E	0426	FIRE PROTECTION-EXTENDED DISCHARGE TIMER (ZONE1) EXTENDED DISCHARGE
2FP-2	0426	FIRE PROTECTION-INITIAL DISCHARGE TIMER (ZONE 2) INITIAL DISCHARGE
2FP-2E	0426	FIRE PROTECTION-EXTENDED DISCHARGE TIMER (ZONE 2) EXTENDED DISCHARGE
2FP-3	0426	FIRE PROTECTION-INITIAL DISCHARGE TIMER (ZONE 3) INITIAL DISCHARGE
2FP-3E	0426	FIRE PROTECTION-EXTENDED DISCHARGE TIMER (ZONE3) EXTENDED DISCHARGE
30FH	0485	HEATER-ANNUNCIATOR GANG ALARM TO MARK V FOR HEATER FAILURE OPEN TO MARK VI TO ALARM
30SG-1	0415	DIAGNOSTIC IGNITION EXCITER SWITCH NO-CEC; CLOSE TO ALARM ON EXCITER FAILURE
30WN-1	0426	WATER INJECTION VFD CONTROLLER FAULT DETECTION NORM=(1) NC=OEC PART OF 97WN-1, CONTACT OPENS IN EVENT OF 97WN-1 FAULT
33BQ-1	0417	BEARING SEALING AIR VALVE-LIMIT SWITCH NORM=(2) NO-CEC; SWITCH CONT CLOSED WITH VA14 IN 5TH STG POS.
33CB-1	0417	COMPRESSOR BLEED VALVE LIMIT SWITCH CLOSED WITH VALVE OPEN – SPST

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DEVICE SUMMARY			

33CB-2	0417	COMPRESSOR BLEED VALVE LIMIT SWITCH CLOSED WITH VALVE OPEN – SPST
33FK-1	0424	MULTIPORT FUEL VALVE LIMIT SWITCH CONTACT CLOSED WHEN VALVE IS CLOSED
33FK-2	0424	MULTIPORT FUEL VALVE LIMIT SWITCH NORM=CLOSED; OPENS WHEN VH9-2 OPENS
33FL-1	0424	LIQUID FUEL STOP VALVE LIMIT SWITCH NORM=NO-CES; CLOSED WITH VALVE CLOSED;
33FL-2	0424	LIQUID FUEL STOP VALVE LIMIT SWITCH NORM=NO-CES; CLOSED WITH VALVE OPEN;
33FP-1A	0426	FIRE PROTECTION-LOCK-OUT VALVE POSITION/LIMIT SWITCH
33GC-1A	0440	FIRE DOOR LIMIT SWITCH – GENERATOR NO-CEC SWITCH CLOSED WHEN DOOR IS FULLY OPEN
33GC-1B	0440	FIRE DOOR LIMIT SWITCH – GENERATOR NO-CEC SWITCH CLOSED WHEN DOOR IS FULLY OPEN
33GC-1C	0440	FIRE DOOR LIMIT SWITCH – GENERATOR NO-CEC SWITCH CLOSED WHEN DOOR IS FULLY OPEN
33GC-2	0440	FIRE DOOR LIMIT SWITCH – GENERATOR NC-CEC SWITCH CLOSED WHEN DOOR IS OPEN
33GC-3	0440	FIRE DOOR LIMIT SWITCH – GENERATOR NC-CEC SWITCH CLOSED WHEN DOOR IS OPEN
33PG-1	0477	FUEL GAS SYSTEM PURGE VALVE LIMIT SWITCH PART OF VA13 VALVE. NORM= (2) NC-OES; CLOSED WITH VALVE CLOSED
33PG-2	0477	FUEL GAS SYSTEM PURGE VALVE LIMIT SWITCH THIS DEVICE IS SUPPLIED AS PART OF VA13 NORM=(2) NO-CES; CLOSED WITH VALVE OPEN

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<p>DEVICE SUMMARY</p>			

33PG-3	0477	FUEL GAS SYSTEM PURGE VALVE LIMIT SWITCH NORM=(2) NC-OES; CLOSED WITH VALVE CLOSED; THIS DEVICE IS SUPPLIED AS PART OF VA13
33PG-4	0477	FUEL GAS SYSTEM PURGE VALVE LIMIT SWITCH PART OF VA13 VALVE. NORM= (2) NO-CES; CLOSED WITH VALVE OPEN
33PG-5	0477	FUEL GAS SYSTEM PURGE VALVE LIMIT SWITCH NORM=(2) NC-OES; CLOSED WITH VALVE CLOSED;
33PG-6	0477	FUEL GAS SYSTEM PURGE VALVE LIMIT SWITCH NORM=(2) NO-CES; CLOSED WITH VALVE OPEN;
33PG-7	0477	FUEL GAS SYSTEM PURGE VALVE LIMIT SWITCH NORM=(2) NC-OES; CLOSED WITH VALVE CLOSED;
33PG-8	0477	FUEL GAS SYSTEM PURGE VALVE LIMIT SWITCH NORM=(2) NO-CES; CLOSED WITH VALVE OPEN; SUPPLIED AS PART OF VA-13
33PL-1	0477	LIQUID FUEL SYSTEM PURGE VALVE LIMIT SWITCH CLOSED WITH VALVE IN OPEN POSITION PRIMARY OIL PURGE
33PL-2	0477	LIQUID FUEL SYSTEM PURGE VALVE LIMIT SWITCH CONTACT CLOSED WITH VALVE IN OPEN POSITION SECONDARY OIL PURGE
33TH-3	0432	INLET HEATING ISOLATION VALVE LIMIT SWITCH CONTACT CLOSED WITH VM15-1 FULL OPEN
33TM-1	0421	TORQUE ADJUSTER TORQUE SWITCH-MIN TRAVEL PART OF TORQUE CONVERTOR CONTACT OPENS AT LOW, LOW LIMIT
33TM-2	0421	TORQUE ADJUSTER TORQUE SWITCH-MAX TRAVEL PART OF TORQUE CONVERTOR CONTACT OPENS AT HIGH, HIGH LIMIT

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<p>DEVICE SUMMARY</p>			

33TM-4	0421	TORQUE ADJUSTER LIMIT SWITCH-MAX TRAVEL CONTACT OPENS AT HIGH, HIGH LIMIT PART OF TORQUE CONVERTOR
33TM-5	0421	TORQUE ADJUSTER LIMIT SWITCH-LOW TORQUE LIMIT PART OF TORQUE CONVERTOR CONTACT OPENS AT PURGE SPEED
33TM-7	0421	TORQUE ADJUSTER LIMIT SWITCH-ACCEL TORQUE CONTACT OPENS AT HIGH LIMIT PART OF TORQUE CONVERTOR
33TM-8	0421	TORQUE ADJUSTER LIMIT SWITCH-FIRING TORQUE PART OF TORQUE CONVERTOR CONTACT OPENS AT LOW LIMIT
33VG-4	0422	GAS FUEL VBNT VAL VB-LIMIT SWITCH NORM=(1) NO-CEC, SWITCH CLOSES WHEN VALVE CLOSES
33WP-1	0477	WATER INJECTION SYSTEM PURGE VALVE LIMIT SWITCH CONTACT CLOSED WITH VALVE IN OPEN POSITION
34AD-1	0419	AIR DRYER HEATLESS AIR DRYER 120 V / 60 HZ SINGLE PHASE POWER, 100W
34TF-1	0471	TURBINE INLET AIR FILTER-SELF CLEANING SEQUENCER 120V; 60/50 HZ; 15A SUPPLY REQUIRED
39FC-1	0453	VIBRATION SWITCH-COOLING WATER FAN NORM=(2) NC-OEC; MOTOR TRIP AND ALARM
39FC-2	0453	VIBRATION SWITCH-COOLING WATER FAN NORM=(2) NC-OEC; MOTOR TRIP AND ALARM
39FC-3	0453	VIBRATION SWITCH-COOLING WATER FAN NORM=(2) NC-OEC; MOTOR TRIP AND ALARM

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<p>DEVICE SUMMARY</p>			

39V-1A	0415	VIBRATION SENSOR TURBINE OUTPUT AT 1 IN/SEC = 150.0 MV LOCATED AT GAS TURBINE BEARING #1 (AIR INLET END)
39V-1B	0415	VIBRATION SENSOR TURBINE OUTPUT AT 1 IN/SEC = 150.0 MV LOCATED AT GAS TURBINE BEARING #1 (AIR INLET END)
39V-2A	0415	VIBRATION SENSOR TURBINE OUTPUT AT 1 IN/SEC = 150.0 MV LOCATED AT GAS TURBINE BEARING #2 (MIDDLE BEARING)
39V-3A	0415	VIBRATION SENSOR TURBINE OUTPUT AT 1 IN/SEC = 150.0 MV LOCATED AT GAS TURBINE BEARING #3 (EXHAUST END)
39V-3B	0415	VIBRATION SENSOR TURBINE OUTPUT AT 1 IN/SEC = 150.0 MV LOCATED AT GAS TURBINE BEARING #3 (EXHAUST END)
39V-4A	0440	VIBRATION SENSOR GENERATOR OUTPUT AT 1 IN/SEC = 150.0 MV
39V-4B	0440	VIBRATION SENSOR GENERATOR OUTPUT AT 1 IN/SEC = 150.0 MV
39V-5A	0440	VIBRATION SENSOR GENERATOR OUTPUT AT 1 IN/SEC = 150.0 MV
39VS-101	0440	VIBRATION SENSOR (NON-CONT) GEN COLLECTOR END B-N 3300 SERIES
39VS-102	0440	VIBRATION SENSOR (NON-CONT) GEN COLLECTOR END B-N 3300 SERIES
39VS-11	0415	VIBRATION SENSOR (NON-CONTACTING) OUTPUT AT 1 MIL = 200.0 MV PROXIMITY PROBE FOR GAS TURBINE SHAFT NEAR BEARING #1 (AIR INLET END)

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<p>DEVICE SUMMARY</p>			

39VS-12	0415	VIBRATION SENSOR (NON-CONTACTING) OUTPUT AT 1 MIL = 200.0 MV PROXIMITY PROBE FOR GAS TURBINE SHAFT NEAR BEARING #2 (MIDDLE BEARING)
39VS-21	0415	VIBRATION SENSOR (NON-CONTACTING) OUTPUT AT 1 MIL = 200.0 MV PROXIMITY PROBE FOR GAS TURBINE SHAFT NEAR BEARING #2 (MIDDLE BEARING)
39VS-22	0415	VIBRATION SENSOR (NON-CONTACTING) OUTPUT AT 1 MIL = 200.0 MV PROXIMITY PROBE FOR GAS TURBINE SHAFT NEAR BEARING #2 (MIDDLE BEARING)
39VS-23	0415	VIBRATION SENSOR (NON-CONTACTING) OUTPUT AT 1 MIL = 200.0 MV PROXIMITY PROBE FOR GAS TURBINE SHAFT NEAR BEARING #2 (MIDDLE BEARING)
39VS-24	0415	VIBRATION SENSOR (NON-CONTACTING) OUTPUT AT 1 MIL = 200.0 MV PROXIMITY PROBE FOR GAS TURBINE SHAFT NEAR BEARING #2 (MIDDLE BEARING)
39VS-31	0415	VIBRATION SENSOR (NON-CONTACTING) OUTPUT AT 1 MIL = 200.0 MV PROXIMITY PROBE FOR GAS TURBINE SHAFT NEAR BEARING #3 (EXHAUST END BEARING)
39VS-32	0415	VIBRATION SENSOR (NON-CONTACTING) OUTPUT AT 1 MIL = 200.0 MV PROXIMITY PROBE FOR GAS TURBINE SHAFT NEAR BEARING #3 (EXHAUST END BEARING)
39VS-91	0440	VIBRATION SENSOR (NON-CONT) GEN COUPLING END B-N 3300 SERIES
39VS-92	0440	VIBRATION SENSOR (NON-CONT) GEN COUPLING END B-N 3300 SERIES

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DEVICE SUMMARY			

43HR-1	0434	HYDRAULIC RATCHET CONTROL SWITCH NORM=(1) NO-CES;
43MRFP-1A	0426	FIRE PROTECTION-MANUAL DISCHARGE SWITCH (ZONE 1) CO2 RELEASE SWITCH (ZONE 1)
43MRFP-2A	0426	FIRE PROTECTION-MANUAL DISCHARGE SWITCH (ZONE 2) CO2 RELEASE SWITCH (ZONE 2)
43MRFP-3A	0426	FIRE PROTECTION-MANUAL DISCHARGE SWITCH (ZONE 3) CO2 RELEASE SWITCH (ZONE 3)
43WK-1	0461	WATER TEMP SETPOINT SWITCH (HOT-COLD)
43WK-2	0461	OPERATION SETPOINT SWITCH (AUTO-MANUAL)
45FA-1A	0426	FIRE DETECTOR-ACCESSORY COMPARTMENT INCREASING: 325.0 F OR 162.8 C NORM=(2) NO-CEC;
45FA-1B	0426	FIRE DETECTOR-ACCESSORY COMPARTMENT INCREASING; 325.0 F OR 162.8 C NORM=(2) NO-CEC;
45FA-2A	0426	FIRE DETECTOR-ACCESSORY COMPARTMENT INCREASING; 325.0 F OR 162.8 C NORM=(2) NO-CEC;
45FA-2B	0426	FIRE DETECTOR-ACCESSORY COMPARTMENT INCREASING; 325.0 F OR 162.8 C NORM=(2) NO-CEC;
45FA-5A	0426	FIRE DETECTOR-ACCESSORY COMPARTMENT INCREASING; 325.0 F OR 162.8 C NORM=(2) NO-SPST;
45FA-5B	0426	FIRE DETECTOR-ACCESSORY COMPARTMENT INCREASING: 325.0 F OR 162.8 C NORM=(1) NO-SPST;

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<p>DEVICE SUMMARY</p>			

45FGC-3A	0426	FIRE DETECTOR – GEN COLLECTOR COMPT INCREASING: 725.0 F OR 385.0 C NORM=(2) NO-CEC
45FGC-3B	0426	FIRE DETECTOR – GEN COLLECTOR COMPT INCREASING: 725.0 F OR 385.0 C NORM=(2) NO-CEC
45FLC-20A	0426	FIRE DETECTOR INCREASING; 725.0 F OR 385.0 C NORM=(2) NO-CEC #3 BEARING TUNNEL
45FLC-20B	0426	FIRE DETECTOR INCREASING; 725.0 F OR 385.0 C NORM=(2) NO-CEC #3 BEARING TUNNEL
45FLC-21A	0426	FIRE DETECTOR-LOAD GEAR COMPARTMENT INCREASING; 725.0 F OR 385.0 C NORM=(2) NO-CEC;
45FLC-21B	0426	FIRE DETECTOR-LOAD GEAR COMPARTMENT INCREASING; 725.0 F OR 385.0 C NORM=(2) NO-CEC;
45FT-1A	0426	FIRE DETECTOR-TURBINE COMPARTMENT INCREASING; 600.0 F OR 315.6 C NORM=(2) NO-CEC;
45FT-1B	0426	FIRE DETECTOR-TURBINE COMPARTMENT INCREASING; 600.0 F OR 315.6 C NORM=(2) NO-CEC;
45FT-2A	0426	FIRE DETECTOR-TURBINE COMPARTMENT INCREASING; 600.0 F OR 315.6 C NORM=(2) NO-CEC;
45FT-2B	0426	FIRE DETECTOR-TURBINE COMPARTMENT INCREASING; 600.0 F OR 315.6 C NORM=(2) NO-CEC;

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<p>DEVICE SUMMARY</p>			

45FT-3A	0426	FIRE DETECTOR-TURBINE COMPARTMENT INCREASING; 600.0 F OR 315.6 C NORM=(2) NO-CEC;
45FT-3B	0426	FIRE DETECTOR-TURBINE COMPARTMENT INCREASING; 600.0 F OR 315.6 C NORM=(2) NO-CEC;
45HA-7	0474	COMBUSTIBLE GAS DETECTOR OFF BASE GAS COMPARTMENT
45HA-8	0474	COMBUSTIBLE GAS DETECTOR OFF BASE GAS COMPARTMENT
45HT-1	0474	COMBUSTIBLE GAS DETECTOR-TURBINE COMPARTMENT
45HT-2	0474	COMBUSTIBLE GAS DETECTOR-TURBINE COMPARTMENT
45SCC-A	0426	SMOKE DETECTOR-PEECC WIRED TO MARK V FOR ALARM
45SCC-B	0426	SMOKE DETECTOR-PEECC WIRED TO MARK V FOR ALARM
45SGC-3A	0426	SMOKE DETECTOR-GENERATOR COLLECTOR COMPARTMENT WIRED TO MARK V FOR ALARM
45SGC-3B	0426	SMOKE DETECTOR-GENERATOR COLLECTOR COMPARTMENT WIRED TO MARK V FOR ALARM
49WS-1	0461	WATER WASH SKID HEATER OVERLOAD (INTEGRAL PART OF 23WS-1)
4FH	0485	MASTER CONTROL RELAY-HEATER STAGE WITH 30FH AND 52FH CONTACT CLOSURES. DRY CONTACT CLOSES FOR HEATER START PERMISSIVE FROM MARK V
4WW-1	0461	ON LINE WATER WASH MASTER CONTROL RELAY

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<p>DEVICE SUMMARY</p>			

52FH	0485	HEATER-MANUAL MODE CONTACT LOCATED IN HEATER CONTROL PANEL OPEN CONTACT INDICATES OPEN BREAKER ISA DEVICE NAME: HS-EH
62FP-1	0426	FIRE PROTECTION-CO2 TIMER RESET SWITCH (ZONE 1)
62FP-2	0426	FIRE PROTECTION-CO2 TIMER RESET SWITCH (ZONE 2)
62FP-3	0426	FIRE PROTECTION-CO2 TIMER RESET SWITCH (ZONE 3)
63AD-1A	0425	MAIN ATOMIZING AIR COMPRESSOR DIFF PRESSURE SWITCH DECREASING: 15.00+-1.000 PSID OR 1.055+0.0703 KG/CM2D NORM=(2) NO-CEC;
63AD-1B	0425	ATOMIZING AIR COMP DIFF PRESSURE SWITCH DECREASING: 15.00+-1.000 PSID OR 1.055+-0.0703 KG/CM2D NORM=(2) NO-CEC;
63AD-1C	0425	ATOMIZING AIR COMP DIFF PRESSURE SWITCH DECREASING: 15.00+-1.000 PSID OR 1.055+-0.0703 KG/CM2D NORM=(2) NO-CEC;
63AD-4	0419	APU LOW PRESSURE SWITCH DECREASING: 85.00+-5.000 PSIG OR 5.976+-0.3515 KG/CM2G APU LOW PRESSURE ALARM INDICATES INSUFFICIENT AIR AVAILABLE FOR NORMAL DEVICE OPERATION, OPENS TO ALARM
63AF-1	0425	ATOMIZING AIR FILTER DIFFERENTIAL PRESSURE SWITCH INCREASING: 3.500 +-0.0352 KG/CM2D NORM=(2) NC-OEC
63BQ-1	0440	BEARING SEALING AIR PUMP PRESSURE-ALARM INCREASING: -1.000INH2O OR -25.40 MMH2O (DECREASING: -1.100+-0.100INH2O OR -27.94MMH2O) NO-CEC CONTACT OPENS ON LOSS OF VACUUM
63CA-1	0471	INLET AIR FILTER COMPRESSED AIR PRESSURE SWITCH DECREASING: 60.00+-5.000 PSIG OR 4.218+-0.3515 KG/CM2G NORM=(2) NO-CEC; CLOSED WHEN PRESSURIZED

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<p>DEVICE SUMMARY</p>			

63DWF-1	N/A	DEMIN WATER FORWARDING INLET HEADER PRESSURE SWITCH DECREASING: 7in H2O +-1H2O OR 177.8mm H2O +-25.4MMH2O; DECR=CLOSE, INCR=OPEN
63FD-2	0427	FUEL MANAGEMENT STRAINER DIFFERENTIAL PRESSURE SWITCH DECREASING: 10+- .25 PSIG; DECR=OPEN, INCR=CLOSE
63FD-1B	0427	FUEL FORWARDING PUMP SUCTION PRESSURE DECREASING: 7in H2O +-1H2O OR 177.8mm H2O +-25.4MMH2O; DECR=CLOSE, INCR=OPEN
63FD-3	0427	LIQUID FUEL PRESSURE NORMAL (AT METERING SPOOL) DECREASING: 35+-1.0PSIG; DECR=OPEN, INCR=CLOSE
63FGD-1	0422	FUEL GAS STRAINER DP SWITCH INCREASING: 00+-1.000 PSID OR 1.055+-0.0703 KG/CM2D (DECREASING 13.75+-1.250 PSID OR 0.9667+-00879 KG/CM2D) NORM=(1) NC-OEC; SPDT;
63FL-2	0424	LIQUID FUEL PRESSURE SWITCH DECREASING: 30.00+-2.000 PSIG OR 2.109+-0.1406 KG/CM2 NORM=(2) NO-CEC; FOR PROTECTION OF MAIN FUEL PUMP
63FP-1	0426	PRESSURE SW-C02 DECREASING: 275.0+-5.000 PSIG OR 19.33+-0.3515 KG/CM2G (INCREASING: 325.0+-5.000 PSIG OR 22.85+-0.3515 KG/CM2G) ABNORMAL PRESSURE ALARM SWITCH
63HF-1	0434	HYDRAULIC OIL FILTER DIFF PRESSURE ALARM INCREASING: 60.00+-3.000 PSID OR 4.218+-0.2109 KG/CM2D (DECREASING: 57.50+-2.000 PSID OR 4.043+-0.1406 KG/CM2D) NORM=(1) NC-OEC;
63HG-1	0418	HYDRAULIC OIL TRIP PRESSURE SW GAS STOP VALVE DECREASING: 20.00+-1.000 PSIG OR 1.406+-0.0703 KG/CM2G (INCREASING: 20.60+-0.5000 PSIG OR 1.448+-0.0352 KG/CM2G) NORM=NO-CEC;

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<p>DEVICE SUMMARY</p>			

63HG-2	0418	HYDRAULIC OIL TRIP PRESSURE SW GAS STOP VALVE DECREASING: 20.00+-1.000 PSIG OR 1.406+-0.0703 KG/CM2G (INCREASING: 20.60+-0.5000 PSIG OR 1.448+-0.0352 KG/CM2G) NORM=NO-CEC;
63HG-3	0418	HYDRAULIC OIL TRIP PRESSURE SW GAS STOP VALVE DECREASING: 20.00+-1.000 PSIG OR 1.406+-0.0703 KG/CM2G (INCREASING: 20.60+-0.5000 PSIG OR 1.448+-0.0352 KG/CM2G) NORM=NO-CEC;
63HL-1	0418	HYDRAULIC OIL TRIP CIRCUIT PRESSURE-LIQUID FUEL SYS DECREASING: 20.00+-1.000 PSIG OR 1.406+-0.0703 KG/CM2G (INCREASING 20.60+-0.5000 PSIG OR 1.448+-0.0352 KG/CM2G) NORM=NO-CEC;
63HL-2	0418	HYDRAULIC OIL TRIP CIRCUIT PRESSURE-LIQUID FUEL SYS DECREASING: 20.00+-1.000 PSIG OR 1.406+- 0.0703 KG/CM2G (INCREASING 20.60+-0.5000 PSIG OR 1.448+-00352 KG/CM2G) NORM=NO-CEC;
63HL-3	0418	HYDRAULIC OIL TRIP CIRCUIT PRESSURE-LIQUID FUEL SYS DECREASING: 20.00+-1.000 PSIG OR 1.406+-0.0703 KG/CM2G (INCREASING 20.60+-0.5000 PSIG OR 1.448+-0.0352 KG/CM2G) NORM=NO-CEC;
63HQ-1	0434	LOW HYDRAULIC OIL SUPPLY PRESS-ALARM DECREASING: 1350+-15.00 PSIG OR 94.91+-1.055 KG/CM2G (INCREASING 1375+-10.00 PSIG OR 96.67+-0.7031 KG/CM2G) NORM=(1) NO-CEC;
63HR-1	0421	HYDRAULIC RATCHET FORWARD STROKE PRESSURE SWITCH INCREASING: 108.0+-93.00 PSIG OR 7.593+-6.539 KG/CM2G (DECREASING: 98.00+-93.00 PSIG OR 6.890+-6.539 KG/CM2G) PART OF TORQUE CONVERTOR (362A1855P001) CUSTOM CONTROLS UL/CSA DIV1 MODEL 6900PE32 CONTACTS OPEN ON INCREASING PRESSURE AND CLOSE ON DECREASING PRESSURE

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DEVICE SUMMARY			

63HR-2	0421	HYDRAULIC RATCHET PRESSURE SWITCH RETURN STROKE INCREASING: 108.0+-93.00 PSIG OR 7.593+-6.539 KG/CM2G (DECREASING: 98.00+-93.00 PSIG OR 6.890+-6.539 KG/CM2G) CUSTOM CONTROLS UL/CSA DIV1 MODEL NUMBER 6900PE32 PART OF TORQUE CONVERTOR (362A1855P001) CONTACTS OPEN ON INCREASING PRESSURE AND CLOSE ON DECREASING PRESSURE
63LF-1	0424	LIQUID FUEL OIL FILTER-DIFF PRESSURE INCREASING: 15.00+-1.000 PSID OR 1.055+-0.0703 KG/CM2D NORM=NC-CEC;
63LF-2	0427	DUPLEX STRAINER DIFF PRESS SWITCH INCREASING: 5.0+-0.5PSID; DECR: 4.0+-0.5PSID
63LF-8	0424	LIQ. FUEL DIFF. PRESS SWITCH INCREASING: 25.00+-1.000 PSID OR 1.758+-0.0703 KG/CM2D NORM=NC-CEC; DIFFERENTIAL PRESSURE ACROSS LIQUID FUEL PUMP CONICAL STRAINER
63LF-9	0424	LIQ. FUEL DIFF. PRESS SWITCH INCREASING: 25.00+-1.000 PSID OR 1.758+-0.0703 KG/CM2D NORM=NC- CEC; DIFFERENTIAL PRESSURE ACROSS FLOW DIVIDER CONICAL STRAINER
63PG-1	0477	FUEL GAS SYSTEM PURGE PRESSURE SWITCH INCREASING: 50.00+-1.000 PSIG OR 3.515+-0.0703KG/CM2G (DECREASING 46.00+-3000 PSIG OR 3.234+-0.2109 KG/CM2G) PRIMARY GAS FUEL SYSTEM
63PG-2	0422	GAS FUEL SYSTEM PURGE PRESSURE SWITCH INCREASING: 50.00+-1.000 PSIG OR 3.515+-0.0703 KG/CM2G (DECREASING: 46.00+-3.000 PSIG OR 3.234+-0.2109 KG/CM2G) NORM=(2) NO-CEC; TRANSFER GAS FUEL SYSTEM
63QA-1	0416	LOW LUBE OIL PRESSURE-AUX PUMP START DECREASING: 70.00+-1.000 PSIG OR 4.921 +-0.0703 KG/CM2G (INCREASING: 71.80+-1.200 PSIG OR 5.048+-0.0844 KG/CM2G) NORM=(1) NO-CEC; SECONDARY SETTING MUST BE GREATER THAN PRIMARY

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DEVICE SUMMARY			

63QQ-1	0416	MAIN LUBE OIL FILTER DIFFERENTIAL PRESSURE-ALARM INCREASING: 15.00+-1.000 PSID OR 1.055+- 0.0703 KG/CM2D (DECREASING 14.40+-0.4000 PSID OR 1.012+-00281 KG/CM2D) NORM=(1) NC-OEC; SECONDARY SETTING MUST BE LESS THAN PRIMARY
63QT-2A	0440	LOW LUBE OIL PRESSURE-TRIP LOAD DECREASING: 8.000+-0.3000 PSIG OR 0.5625+-0.0211 KG/CM2G (INCREASING: 9.000+-0.5000 PSIG OR 0.6328+-0.0352 KG/CM2G) (2) NO-CEC CONTACTS OPEN ON LOW OIL PRESS
63QT-2B	0440	LOW LUBE OIL PRESSURE-TRIP LOAD DECREASING: 8.000+-0.3000 PSIG OR 0.5625+-0.0211 KG/CM2G (INCREASING: 9.000+-0.5000 PSIG OR 0.6328+-0.0352 KG/CM2G) (2) NO-CEC CONTACTS OPEN ON LOW OIL PRESS
63QV-1	0416	LUBE OIL TANK AIR PRESSURE SWITCH DECREASING: -5.000 INH2O OR -127.0 MMH2O NORM=(1) NO-CEC;
63TF-1	0471	TURBINE INLET AIR FILTER-EXCESSIVE PRESSURE DROP ALARM INCREASING: 6.000+-0.2500 INH2O OR 152.4+-6.350 MMH2O NORM=(2) NC-OES;
63TF-2A	0471	TURBINE INLET AIR FILTER-EXCESSIVE PRESSURE DROP INCREASING: 8.000+-0.2500 INH2O OR 203.2+-6.350 MMH2O NORM=(2) NC-OEC;
63TF-2B	0471	TURBINE INLET AIR FILTER-EXCESSIVE PRESSURE DROP INCREASING: 8.000+-0.2500 INH2O OR 203.2+-6.350 MMH2O NORM=(2) NC-OEC;
63TK-1	0417	TURBINE SHELL & EXHAUST FRAME BLOWER DSCH PRESSURE SW DECREASING: 25.00+-0.8000 INH2O OR 635.0+-20.32 MMH2O (INCREASING: 28.00 INH2O OR 711.2 MMH2O) NORM=(2) NO-CEC;
63TK-2	0417	TURBINE SHELL & EXHAUST FRAME BLOWER DSCH PRESURE SW DECREASING: 25.00+-0.8000 INH2O OR 635.0+-20.32 MMH2O (INCREASING: 28.00 INH2 OR 711.2 MMH2O) NORM=(2) NO-CEC;

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<p>DEVICE SUMMARY</p>			

63TW-1	0461	TURBINE/COMPRESSOR WASH WATER PRESSURE DECREASING: 98.0+-2.000 PSIG OR 6.890+-0.1406 KG/CM2G NORM=(2) NO-CEC;
63TW-2	0461	TURBINE/COMPRESSOR WASH WATER PRESSURE-PUMP TRIP INCREASING: 4.000 INHG OR 101.6 MMHG OR 0.138 KG/CM2 OPENS ON INCREASING VACUUM 4 INHGV (DEC PRESS) CLOSED AT ATMOSPHERIC PRESSURE NORM=NC-OEC;
63VL-3	0422	GAS VALVE COMPT DIFFERENTIAL PRESSURE SWITCH DECREASING: 0.2000+-0.0500 INH2O OR 5.080+-1.270 MMH2O (INCREASING: 0.4000+-0.0500 INH2O OR 10.16+-1.270 MMH2O)
63VL-4	0422	GAS VALVE COMPT VENT FAN DIFF PRESSURE SWITCH DECREASING: 0.2000+-0.0500 INH2O OR 5.080+-1.270 MMH2O (INCREASING: 0.4000+-0.0500 INH2O OR 10.16+-1.270 MMH2O)
63VL-5	0422	GAS VALVE COMPT VENT FAN DIFF PRESSURE SWITCH DECREASING: 0.2000+-0.0500 INH2O OR 5.080+-1.270 MMH2O (INCREASING: 0.4000+-0.0500 INH2O OR 10.16+-1.270 MMH2O)
63WC-1	0453	LOW COOLING WATER PRESSURE DECREASING: 38.00+-1.000 PSIG OR 2.672+-0.0703 KG/CM2G ALARM & AUX PUMP START NORM=NO-CEC;
63WN-1	0462	WATER INJECTION PRESSURE DECREASING: 9.00+-1.00 PSIA OR 9.00+-1.00PSIA (INCREASING: 10.00+-1.00 PSIA OR 10.00 +- 1.00 PSIA) NORM=(1) NO-CEC; OPENS ON DECR ABS INLET PRESURE MANUAL DEVICE SETTING REQUIRED
63WN-3	0462	WATER INJECTION DIFFERENTIAL PRESSURE INCREASING: 15.00+-1.00 PSID OR 15.00 +- 1.00 PSID (DECREASING: 13.50+-1.00 PSID OR 13.50+-1.00PSID) NORM=(1) NC-OEC; OPENS ON INCR FW-1 PRESSURE DIFFERENTIAL
65EP-3	0432	ELECTRO-PNEUMATIC TRANSDUCER POSITIONER INPUT: 4.0MA FOR VA20-1 FULL CLOSED 20.0MA FOR VA20-1 FULL OPEN

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DEVICE SUMMARY			

65FP-1	0424	LIQUID FUEL PUMP (BYPASS VALVE) SERVO VALVE
65GC-1	0422	GAS CONTROL VALVE SERVO VALVE RATED FLOW: 2.500 GPM AT 1000 PSID
65GC-2	0422	GAS CONTROL VALVE SERVO VALVE RATED FLOW: 1.000 GPM AT 1000 PSID
65GC-3	0422	GAS CONTROL VALVE SERVO VALVE RATED FLOW: 2.500 GPM AT 1000 PSID
71GS-1	0484	HIGH GAS SCRUBBER LEVEL 125VDC SPDT 0.5 AMP CONTINUOUS SERVICE OPEN CONTACT TO ALARM MARK V
71GS-2A	0484	HIGH GAS SCRUBBER LEVEL TRIP 125VDC SPDT 0.5 AMP CONTINUOUS SERVICE OPEN CONTACT TO TRIP MARK V ISA DEVICE NAME: LSHH 2A
71GS-2B	0484	HIGH GAS LEV 125VDC 0.5 AMP CONTINUOUS SERVICE SPDT OPEN CONTACT TO TRIP MARK V ISA DEVICE NAME: LSHH 2B
71GS-2C	0484	HIGH GAS SCRUBBER LEVEL TRIP 125VDC SPDT 0.5 AMP CONTINUOUS SERVICE OPEN CONTACT TO TRIP MARK V ISA DEVICE NAME: LSHH-2C
71QH-1	0416	HIGH LUBE OIL LEVEL-ALARM NORM=(1) NC-OEC;

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<p>DEVICE SUMMARY</p>			

71 QL-1	0416	LOW LUBE OIL LEVEL-ALARM NORM=(1) NO-CEC;
71TW-1	0461	WATER TANK WATER LEVEL CONTROL NORM=(2) NC-OEC; DECREASING: 15+-1 IN H2O OR 0.0381+-0.0025 KG/CM2 MAGNETIC LEVEL SWITCH SET 15 INCHES ABOVE THE BOTTOM OF THE WATER TANK
71WG-1	0440	HIGH WATER (LIQUID) LEVEL IN GENERATOR NC CONTACT OPENS ON HIGH LIQUID LEVEL IN GEN
71WL-1	0453	LOW COOLING WATER LEVEL SWITCH NORM=(2) NO-CEC;
77FD-1	0424	FLOW DIVIDER MAG SPEED PICKUP GAP: 0.0090+-0.0010 IN or 0.2286+-0.0254 MM
77FD-2	0424	FLOW DIVIDER MAG SPEED PICKUP GAP: 0.0090+-0.0010 IN or 0.2286+-0.0254 MM
77FD-3	0424	FLOW DIVIDER MAG SPEED PICKUP GAP: 0.0090+-0.0010 IN or 0.2286+-0.0254 MM
77HT-1	0415	HIGH PRESSURE SET MAGNETIC PICKUP (OVERSPEED) GAP: 0.0500+-0.0050 IN OR 1.270+-0.1270 MM
77HT-2	0415	HIGH PRESSURE SET MAGNETIC PICKUP (OVERSPEED) GAP: 0.0500+-0.0050 IN OR 1.270+-0.1270 MM
77HT-3	0415	HIGH PRESSURE SET MAGNETIC PICKUP (OVERSPEED) GAP: 0.0500+-0.0050 IN OR 1.270+-0.1270 MM
77NH-1	0415	HIGH PRESSURE SET MAGNETIC PICKUP-SPEED GAP: 0.0500+-0.0050 IN OR 1.270+-0.1270 MMH2O
77NH-2	0415	HIGH PRESSURE SET MAGNETIC PICKUP-SPEED GAP: 0.0500+-0.0050 IN OR 1.270+-0.1270 MMH2O
77NH-3	0415	HIGH PRESSURE SET MAGNETIC PICKUP-SPEED GAP: 0.0500+-0.0050 IN OR 1.270+-0.1270 MMH2O

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DEVICE SUMMARY			

77RP-11	0415	SHAFT ANGULAR POSITION INDICATOR (KEYPHASOR) BEARING#1
80FP-1	0426	FIRE PROTECTION-INITIAL DISCH PRESSURE SWITCH (ZONE 1) MANUAL RESET (ZONE 1)
80FP-2	0426	FIRE PROTECTION-INITIAL DISCH PRESSURE SWITCH (ZONE 2) MANUAL RESET (ZONE 2)
80FP-3	0426	FIRE PROTECTION-INITIAL DISCH PRESSURE SWITCH (ZONE 3) MANUAL RESET (ZONE 3)
80WW-1	0461	FLOW SWITCH-WATER WASH SKID CONTACT OPENS AT 2 GPM OR 0.45M3/HR ON INCR FLOW NORM=NC-OEC; WATER WASH FLOW EXISTS RELAY TO TURBINE CONTROL SYSTEM AND CONTROL SIGNAL NAME IS L80WWN. WIRE TO MARK V/MARK VI
86WWX	0461	WATER WASH SKID TRIP ALARM RELAY
88AB-1	0425	STARTING ATOMIZING AIR COMPRESSOR MOTOR 40.00 HP; 3600 RPM; 460 VAC; 3 PH; 60 HZ;
88AD-1	0419	FAN MOTOR, APU HEAT EXCHANGER 0.5000 HP; 1725 RPM; 120 VAC; 1 PH; 60 HZ; COOLS APU HEAT EXCHANGER MOTOR RATING
88BQ-1	0440	BEARING DRAIN ENLARGEMENT EXHAUSTER 1.5 HP; 3600 RPM; 460/480 VAC; 1PHASE; 60HZ
88BT-1	0436	COOLING AIR FAN MOTOR-TURBINE COMPARTMENT 15.00 HP; 1200 RPM; 460 VAC; 3 PH; 60 HZ;
88CR-1	0421	STARTING MOTOR 800.0 HP; 3600 RPM; 2300/4160 VAC; 3 PH; 60 HZ;
88DWF-1	N/A	DEMIN WATER FORWARDING PUMP #1 15HP; 3600 RPM; 480VAC; 3 PH; 60 Hertz
88DWF-2	N/A	DEMIN WATER FORWARDING PUMP #2 15HP; 3600 RPM; 480VAC; 3 PH; 60 Hertz

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<p>DEVICE SUMMARY</p>			

88FC-1	0453	COOLING WATER FAN MOTOR 25.00 HP; 1800 RPM; 460 VAC; 3 PH; 60 HZ;
88FC-2	0453	COOLING WATER FAN MOTOR 25.00 HP; 1800 RPM; 460 VAC; 3 PH; 60 HZ;
88FC-3	0453	COOLING WATER FAN MOTOR 25.00 HP; 1800 RPM; 460 VAC; 3 PH; 60 HZ;
88FD-1	0427	LIQUID FUEL FORWARDING PUMP #1 MOTOR 20HP; 3600RMP; 480VAC; 3 PH; 60 Hertz
88FD-2	0427	LIQUID FUEL FORWARDING PUMP #2 MOTOR 20HP; 3600 RPM; 480VAC; 3 PH; 60 Hertz
88HA-1	0436	ACCESSORY COMPT SPACE HEATER BLOWER MOTOR (PT OF 23HA-1) 0.2500 HP; 1725 RPM; 460 VAC; 3 PH; 60 HZ;
88HA-2	0436	ACCESSORY COMPT SPACE HEATER BLOWER MOTOR (PT OF 23HA-2) 0.2500 HP; 1725 RPM; 460 VAC; 3 PH; 60 HZ;
88HQ-1	0434	HYDRAULIC SUPPLY PUMP MOTOR 20.00 HP; 1750 RPM; 460 VAC; 3 PH; 60 HZ;
88JS-1	0462	WATER INJECTION SKID COOLING AIR FAN MOTOR 0.5HP; 1800 RPM; 120VAC; 1 PH; 60HZ
88HT-1	0436	TURBINE COMPARTMENT SPACE HTR BLOWER MOTOR (PT OF 23HT-1) 0.5000 HP; 1725 RPM; 460 VAC; 3 PH; 60 HZ;
88HT-2	0436	TURBINE COMPARTMENT SPACE HTR BLOWER MOTOR (PT OF 23HT-2) 0.5000 HP; 1725 RPM; 460 VAC; 3 PH; 60 HZ;
88QA-1	0416	AUXILIARY LUBE OIL PUMP MOTOR 60.00 HP; 3600 RPM; 460 VAC; 3 PH; 60 HZ;
88QE-1	0416	EMERGENCY LUBE OIL PUMP MOTOR 7.500 HP; 1750 RPM; 120 VDC;
88QV-1A	0416	LUBE MIST SEPARATOR OR ELIMINATOR MOTOR 10.00 HP; 3600 RPM; 460 VAC; 3 PH; 60 HZ;

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<p>DEVICE SUMMARY</p>			

88RC-1A	0426	FIRE PROTECTION-CO2 REFRIGERATION COMPRESSOR MOTOR 1.500 HP; 1750 RPM; 480 VAC; 3 PH; 60 HZ; TOLLERANCE ON ELECTRICAL OPERATING RANGE (+-10%)
88TK-1	0417	TURBINE SHELL & EXHAUST FRAME BLOWER MOTOR 60.00 HP; 3600 RPM; 480 VAC; 3 PH; 60 HZ;
88TK-2	0417	TURBINE SHELL & EXHAUST FRAME BLOWER MOTOR 60.00 HP; 3600 RPM; 480 VAC; 3 PH; 60 HZ;
88TM-1	0421	TORQUE/SPEED ADJUSTER DRIVE MOTOR 0.3900 HP; 1800 RPM; 480 VAC; 3 PH; 60 HZ; PART OF TORQUE CONVERTOR
88TW-1	0461	TURBINE/COMPRESSOR WASH WATER PUMP MOTOR 15.00 HP; 3600 RPM; 460 VAC; 3 PH; 60 HZ;
88VL-1	0422	GAS VALVE COMPT VENT FAN MOTOR 3.000 HP; 3600 RPM; 480 VAC; 3 PH; 60 HZ;
88VL-2	0422	GAS VALVE COMPT VENT FAN MOTOR 3.000 HP; 3600 RPM; 480 VAC; 3 PH; 60 HZ;
88VW-1	0461	WATER WASH UNIT VENT FAN MOTOR 0.5000 HP; 1725 RPM; 120 VAC; 1 PH; 60 HZ;
88WC-1	0453	COOLING WATER PUMP #1 MOTOR 75.00 HP; 3600 RPM; 460 VAC; 3 PH; 60 HZ;
88WC-2	0453	COOLING WATR PUMP #2 MOTOR 75.00 HP; 3600 RPM; 460 VAC; 3 PH; 60 HZ;
88WN-1	0462	WATER INJECTION PUMP MOTOR 60.00HP; 3600 RPM; 480VAC; 3PH; 60HZ PART OF PW1-1 PUMP ASSY MANUAL DEVICE SETTINGS REQUIRED
88WS-1	0461	WATER WASH SKID SPACE HEATER BLOWER MOTOR 0.1000 HP; 1550 RPM; 208 VAC; 1 PH; 60 HZ; (POWER FROM ON-SKID TRANSFORMER)

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<p>DEVICE SUMMARY</p>			

90SR-1	0422	STOP/SPEED RATIO VALVE SERVO VALVE RATED FLOW: 10.00 GPM AT 1000 PSID
90TV-1	0469	INLET GUIDE VANE SERVO VALVE RATED FLOW: 5.0 GPM AT 1000 PSIG
95FP-1	0440	GENERATOR AIR GAP FLUX PROBE
95SG-1	0415	IGNITION EXCITER FOR 95SP-1 115 V OR 230 V, 50/60 HZ, MAX 150 VA INPUT DUTY: 1.5 MIN ON / 1.5 MIN OFF / 1.5 MIN ON / 25 MIN OFF
95SG-10	0415	IGNITION EXCIER FOR 95SP-10 115 V OR 230 V, 50/60 HZ, MAX 150 VA INPUT DUTY: 1.5 MIN ON / 1.5 MIN OFF / 1.5 MIN ON / 25 MIN OFF
95SP-1	0415	COMBUSTION CHAMBEER SPARK PLUG
95SP-10	0415	COMBUSTION CHAMBER SPARK PLUG
96AP-1A	0492	BAROMETRIC PRESSURE TRANSMITTER 4.000+-0.2000 MA=22.00 INHG OR 558.8 MMHG 20.00+-0.2000 MA=37.00 INHG OR 939.8 MMHG
96AP-1B	0492	BAROMETRIC PRESSURE TRANSMITTER 4.000+-0.2000 MA=22.00 INHG OR 558.8 MMHG 20.00+-0.2000 MA=37.00 INHG OR 939.8 MMHG
96AP-1C	0492	BAROMETRIC PRESSURE TRANSMITTER 4.000+-0.2000 MA=22.00 INHG OR 558.8 MMHG 20.00+-0.2000 MA=37.00 INHG OR 939.8 MMHG
96BD-1	0492	COMPRESSOR BELLMOUTH DIFFERENTIAL PRESSURE TRANSMITTER 4.000 MA=0.0 INH2O OR 0.0 MMH2O 20.00 MA=138.5 INH2O OR 3518 MMH2O
96BH-1	0432	INLET HTG CV UPSTREAM PRESSURE TRANSMITTER 4.000+-0.2000 MA=0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 250.0 PSIG OR 17.58 KG/CM2G

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DEVICE SUMMARY			

96BH-2	0432	INLET HTG CV DOWNSTREAM PRESSURE TRANSMITTER 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 150.0 PSIG OR 10.55 KG/CM2G
96CD-1	0417	COMPRESSOR DISCH PRESSURE TRANSMITTER 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 300.0 PSIG OR 21.09 KG/CM2G
96CD-1B	0417	COMPRESSOR DISCH PRESSURE TRANSMITTER 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 300.0 PSIG OR 21.09 KG/CM2G
96CD-1C	0417	COMPRESSOR DISCH PRESSURE TRANSMITTER 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 300.0 PSIG OR 21.09 KG/CM2G
96CS-1	0492	INLET AIR TOTAL PRESSURE TRANSMITTER 4.000+-0.2000 MA= 0.0 INH2O OR 0.0 MMH2O 20.00+-0.2000 MA= 11.10 INH2O OR 281.9 MH2O
96DWF-1	N/A	DEMIN WATER FORWARDING OUTLET PRESSURE TRANSMITTER 4.000+-0.2000 MA=0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA=115.0 PSIG OR 8.09 KG/CM2G
96EP-1	0492	EXHAUST PRESSURE TRANSMITTER 4.000 MA= 0.0 INH2O OR 0.0 MMH2O 20.00 MA=27.70 INH2O OR 703.6 MMH2O
96FD-1	0427	LIQUID FUEL FORWARDING OUTLET PRESSURE TRANSMITTER 4.000+-0.2000 MA=0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA=150 PSIG OR 10.55 KG/CM2G
96FG-1	0422	GAS FUEL UPSTREAM PRESSURE TRANSMITTER 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 600.0 PSIG OR 42.18 KG/CM2G
96FG-2A	0422	INTERSTAGE FUEL GAS PRESSURE TRANSMITTER 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 400.0 PSIG OR 28.12 KG/CM2G
96FG-2B	0422	INTERSTAGE FUEL GAS PRESSURE TRANSMITTER 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 400.0 PSIG OR 28.12 KG/CM2G

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<p>DEVICE SUMMARY</p>			

96FG-2C	0422	INTERSTAGE FUEL GAS PRESSURE TRANSMITTER 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 400.0 PSIG OR 28.12 KG/CM2G
96FG-4	0422	FUEL GAS CONTROL VALVE OUTLET PRESSURE TRANSMITTER 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 400.0 PSIG OR 28.12 KG/CM2G PRIMARY
96FG-5	0422	SECONDARY FUEL GAS CONTROL VALVE OUTLET PRESSURE XMTR 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA= 400.0 PSIG OR 28.12 KG/CM2G
96FG-6	0422	TRANSFER FUEL GAS CONTROL VALVE OUTLET PRESSURE XMTR 4.000+-0.2000 MA= 0.0 PSIG OR 0.0 KG/CM2G 20.00+-0.2000 MA=400.0 PSIG OR 28.12 KG/CM2G
96FM-1	0422	MULTIVARIABLE TRANSMITTER 4.000 MA= 0.0 PPS OR 0.0 KG/SEC 20.00 MA= 30.00 PPS OR 13.61 KG/SEC MULTIVARIABLE FLOW TRANSMITTER – RTD REQUIRED BUT NOT WIRED TO THE CONTROL SYSTEM DIRECTLY
96GC-1	0422	FUEL GAS CONTROL VALVE LVDT 0% STROKE = 0.7 VAC 100% STROKE = 2.8 VAC
96GC-2	0422	FUEL GAS CONTROL VALVE LVDT 0% STROKE = 0.7 VAC 100% STROKE = 2.8 VAC
96GC-3	0422	FUEL GAS CONTROL VALVE LVDT 0% STROKE = 0.7 VAC 100% STROKE = 2.1 VAC
96GC-4	0422	FUEL GAS CONTROL VALVE LVDT 0% STROKE = 0.7 VAC 100% STROKE = 2.1 VAC
96GC-5	0422	FUEL GAS CONTROL VALVE LVDT 0% STROKE = 0.7 VAC 100% STROKE = 2.8 VAC

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<p>DEVICE SUMMARY</p>			

96GC-6	0422	FUEL GAS CONTROL VALVE LVDT 0% STROKE = 0.7 VAC 100% STROKE = 2.8 VAC
96PLP-1	0477	PRIMARY LIQUID FUEL PURGE PRESSURE TRANSMITTER 4.000+-0.2000 MA= -20.00 PSID OR -1.406 KG/CM2D 20.00+-0.2000 MA= 120.0 PSID OR 8.437 KG/CM2D REPLACEMENT FOR 63PLP-I PRESS SW FORMERLY SET PSID ALARM, 2 PSID TRIP REFERENCED TO PCD.
96PLS-1	0477	SECONDARY LIQUID FUEL PURGE PRESSURE TRANSMITTER 4.000+-0.2000 MA= -20.00 PSID OR -1.406 KG/CM2D 20.00+-0.2000 MA= 120.0 PSID OR 8.437 KG/CM2D REPLACEMENT FOR 63PLS-I PRESS SW FORMERLY SET 5 PSID ALARM, 2 PSID TRIP REFERENCED TO PCD.
96PWP-1	0477	PRIMARY WATER PURGE PRESSURE TRANSMITTER 4.000+-0.2000 MA= -20.00 PSID OR -1.406 KG/CM2D 20.00+-0.2000 MA= 120.0 PSID OR 8.437 KG/CM2D REPLACEMENT FOR 63PWP-I PRESS SW FORMERLY SET 5 PSID ALARM, 2 PSID TRIP REFERENCED TO PCD. NOTE: SER YES THE PRI+SEC COMBINED CIRCUIT PRIMARY AS WELL AS SECONDARY
96SR-1	0422	STOP/SPEED RATIO VALVE LVDT 0% STROKE = 0.7 VAC 100% STROKE = 2.1 VAC
96SR-2	0422	STOP/SPEED RATIO VALVE LVDT 0% STROKE = 0.7 VAC 100% STROKE = 2.1 VAC
96TD-1	0471	DEWPOINT SENSOR 4.000+-0.5000 MA= -49.00 F OR -45.00 C 20.00+-0.5000 MA= 167.0 F OR 75.00 C
96 TH-1	0432	INLET HEATING CONTROL VALVE POSITION TRANSMITTER 4.000+-0.2000 MA= 0.0 % OR 0.0 % 20.00+-0.2000 MA= 100.0 % OR 100.0 %
96TV-1	0469	INLET GUIDE VANE LVDT

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DEVICE SUMMARY			

96TV-2	0469	INLET GUIDE VANE LVDT
96WF-1	0462	WATER INJECTION FLOW 4-20ma 0.1 – 18.06 lbs/sec
96WF-2	0462	WATER INJECTION FLOW 4-20ma 0.1 – 18.06 lbs/sec
96WF-3	0462	Water Injection Flow 4-20ma 0.1 – 18.06 lbs/sec
96WN-4	0462	WATER INJECTION MOTOR SPEED (+)-10vdc 0 – 3600 RPM
96WP-1	0462	WATER INJECTION SKID PRESSURE TRANSMITTER 4-20ma 0 – 800 psi
97WN-1	0462	WATER INJECTION SKID VARIABLE FREQUENCY CONTROLLER 4-20ma 0 – 100%
96VC-11	0415	SHAFT AXIAL POSN TRANSMITTER BEARING #1
96VC-12	0415	SHAFT AXIAL POSN TRANSMITTER BEARING #1
ACV1-1	0469	IGV HYDRAULIC CYLINDER ACTUATOR
AATI-1A	0425	ATOMIZING AIR COMPRESSOR INLET TEMP
AATI-1B	0425	ATOMIZING AIR COMPRESSOR INLET TEMP
AH1-1	0434	HYDRAULIC OIL ACCUMULATOR PRECHARGE: 750 PSIG DRY NITROGEN
AL-15	0440	AC LIGHT-GENERATOR COMPARTMENT 120 VAC, 60 HZ
AL-26	0471	120 VA,C 60 HZ
AL-33	0440	AC LIGHT-GENERATOR COMPARTMENT
AL-59	0462	AC LIGHT SWITCH- WATER INJECTION SKID
AL-62	0461	AC LIGHT-WATER WASH SKID

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<p>DEVICE SUMMARY</p>			

AL-63	0461	AC LIGHT-WATER WASH SKID
AL-81	0461	AC LIGHT-WATER WASH SKID
AL-82	0462	AC LIGHT SWITCH- WATER INJECTION SKID
AL-87	0422	AC LIGHT-GAS FUEL MODULE
AL-88	0422	AC LIGHT-GAS FUEL MODULE
AR-17	0440	AC RECEPTACLE-GENERATOR COMPARTMENT
AR20	0471	AC RECEPTACLE- INLET FILTER COMPARTMENT 120 VAC
AR-41	0462	AC RECEPTACLE- WATER INJECTION SKID
AR-42	0462	AC RECEPTACLE- WATER INJECTION SKID
AR-50	0461	AC RECEPTACLE-WATER WASH SKID
ASW-10	0471	AC LIGHT SWITCH-INLET AIR COMPARTMENT 120VAC, 60 HZ
ASW-31	0461	AC LIGHT SWITCH-WATER WASH SKID
ASW-43	0422	AC LIGHT SWITCH-GAS FUEL MODULE
ASW-44	0422	AC LIGHT SWITCH-GAS FUEL MODULE
AT-ID-1	0471	AMBIENT TEMPERATURE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
AT-ID-2	0471	AMBIENT TEMPERATURE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
AT-ID-3	0471	AMBIENT TEMPERATURE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;

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<p>DEVICE SUMMARY</p>			

BT-GJ1-1A	0440	BEARING METAL TEMP-GENERATOR BEARING #1 TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
BT-GJ1-1B	0440	BEARING METAL TEMP-GENERATOR BEARING #1 TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
BT-GJ1-2A	0440	BEARING METAL TEMP-GENERATOR BEARING #1 TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
BT-GJ1-2B	0440	BEARING METAL TEMP-GENERATOR BEARING #1 TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
BT-GJ2-1A	0440	BEARING METAL TEMP-GENERATOR BEARING #2 TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
BT-GJ2-1B	0440	BEARING METAL TEMP-GENERATOR BEARING #2 TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
BT-GJ2-2A	0440	BEARING METAL TEMP-GENERATOR BEARING #2 TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
BT-GJ2-2B	0440	BEARING METAL TEMP-GENERATOR BEARING #2 TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
BT-J1-1A	0415	BEARLING METAL TEMP-TURBINE BEARING #1 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-J1-1B	0415	BEARLING METAL TEMP-TURBINE BEARING #1 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-J1-2A	0415	BEARLING METAL TEMP-TURBINE BEARING #1 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-J1-2B	0415	BEARLING METAL TEMP-TURBINE BEARING #1 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;

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<p>DEVICE SUMMARY</p>			

BT-J2-1A	0415	BEARLING METAL TEMP-TURBINE BEARING #2 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-J2-1B	0415	BEARLING METAL TEMP-TURBINE BEARING #2 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-J2-2A	0415	BEARLING METAL TEMP-TURBINE BEARING #2 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-J2-2B	0415	BEARLING METAL TEMP-TURBINE BEARING #2 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-J3-1A	0415	BEARLING METAL TEMP-TURBINE BEARING #3 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-J3-1B	0415	BEARLING METAL TEMP-TURBINE BEARING #3 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-J3-2A	0415	BEARLING METAL TEMP-TURBINE BEARING #3 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-J3-2B	0415	BEARLING METAL TEMP-TURBINE BEARING #3 TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-TA1-1A	0415	BEARLING METAL TEMP-THRUST ACTIVE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-TA1-1B	0415	BEARLING METAL TEMP-THRUST ACTIVE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;

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<p>DEVICE SUMMARY</p>			

T-TA1-2A	0415	BEARLING METAL TEMP-THRUST ACTIVE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-TA1-2B	0415	BEARLING METAL TEMP-THRUST ACTIVE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-TI1-1A	0415	BEARING METAL TEMP-THRUST INACTIVE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-TI1-1B	0415	BEARING METAL TEMP-THRUST INACTIVE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-TI1-2A	0415	BEARING METAL TEMP-THRUST INACTIVE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
BT-TI1-2B	0415	BEARING METAL TEMP-THRUST INACTIVE TYPE K THERMOCOUPLE 2 ELEMENTS; UNGROUNDED;
CA1-1	0425	MAIN ATOMIZING AIR COMPRESSOR
CA2-1	0425	BOOSTER ATOMIZING AIR COMPRESSOR
CT-DA-1	0415	COMPRESSOR DISCHARGE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED
CT-DA-2	0415	COMPRESSOR DISCHARGE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED
CT-DA-3	0415	COMPRESSOR TEMP-DISCHARGE ANNULUS TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED

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<p>DEVICE SUMMARY</p>			

CT-IF-1A	0415	COMPRESSOR TEMPERATURE-INLET FLANGE (DTC) TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED
CT-IF-1B	0415	COMPRESSOR TEMPERATURE-INLET FLANGE (DTC) TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED
CT-IF-2A	0415	COMPRESSOR TEMPERATURE-INLET FLANGE (DTC) TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED
CT-IF-2B	0415	COMPRESSOR TEMPERATURE-INLET FLANGE (DTC) TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED
CT-IF-3/R	0415	COMPRESSOR TEMP-INLET FLANGE-RTD
DCL-15	0440	GENERAATOR LIGHTING-125VDC
DCL-33	0440	GENERATOR LIGHTING-125VDC
DL-51	0422	DC LIGHT-GAS FUEL MODULE
DT-GGC-10	0440	GENERATOR TEMP-COLD GAS COUPLING END 100 OHM PLATINUM RTD
DT-GGC-11	0440	GENERATOR TEMP-COLD GAS COLLECTOR END 100 OHM PLATINUM RTD
DT-GGH-18	0440	GENERATOR TEMP-HOT GAS COUPLILNG END 100 OHM PLATINUM RTD
DT-GGH-19	0440	GENERATOR TEMP-HOT GAS COLLECTOR END 100 OHM PLATINUM RTD
DT-GSA-4	0440	GENERATOR TEMP-STATOR COLLECTOR END 100 OHM PLATINUM RTD SLOT RTD

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<p>DEVICE SUMMARY</p>			

DT-GSA-5	0440	GENERATOR TEMP-STATOR COLLECTOR END 100 OHM PLATINUM RTD SLOT RTD
DT-GSA-6	0440	GENERATOR TEMP-STATOR COLLECTOR END 100 OHM PLATINUM RTD SLOT RTD
DT-GSF-1	0440	GENERATOR TEMP-STATOR COUPLING END 100 OHM PLATINUM RTD SLOT RTD
DT-GSF-2	0440	GENERATOR TEMP-STATOR COUPLING END 100 OHM PLATINUM RTD SLOT RTD
DT-GSF-3	0440	GENERATOR TEMP-STATOR COUPLING END 100 OHM PLATINUM RTD SLOT RTD
ET-CRS-1/R	0421	STARTING MOTOR STATOR TEMP PART OF ELECTRIC START MOTOR PLATINUM RTD: 100 OHM
ET-CRS-2/R	0421	STARTING MOTOR STATOR TEMP PART OF ELECTRIC START MOTOR PLATINUM RTD: 100 OHM
ET-CRS-3/R	0421	STARTING MOTOR STATOR TEMP PART OF ELECTRIC START MOTOR 100 OHM PLATINUM RTD
ET-CRS-4/R	0421	STARTING MOTOR STATOR TEMP PART OF ELECTRIC START MOTOR COPPER: 10 OHM
ET-CRS-5/R	0421	STARTING MOTOR STATOR TEMP PART OF ELECTRIC START MOTOR COPPER: 10 OHM

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<p>DEVICE SUMMARY</p>			

ET-CRS-6/R	0421	STARTING MOTOR STATOR TEMP 10 OHM COPPER RTD PART OF ELECTRIC START MOTOR
FA4-1	0425	ATOMIZING AIR CONTROL FILTER
FA5-1	0425	MAIN ATOMIZING AIR FILTER
FA6-1	0417	COMPRESSOR BLEED FILTER
FDI-1	0424	FLOW DIVIDER
FF1-1	0424	PRIMARY(LOW PRESS) FUEL FILTER FILTRATION: 1 MICRON NOMINAL
FF1-2	0424	PRIMARY(LOW PRESS) FUEL FILTER FILTRATION: 1 MICRON NOMINAL
FH2-1	0434	HYDRAULIC OIL SUPPLY FILTER FILTRATION: 0.5 MICRON 3 MICRON ABSOLUTE
FH2-2	0434	HYDRAULIC OIL SUPPLY FILTER FILTRATION: 0.5 MICRON 3 MICRON ABSOLUTE
FH3-1	0424	HYDRAULIC OIL SUPPLY FILTER-LIQUID FUEL SERVO FILTRATION: 40 MICRON
FH4-2	0424	HYDRAULIC OIL SUPPLY FILTER-NOZZLE ISOLATION VALVE FILTRATION: 0.5 MICRON
FH6-1	0469	IGV SERVO HYDRAULIC OIL SUPPLY FILTER FILTRATION: 15 MICRON
FH7-1	0422	FUEL GAS SERVO HYDRAULIC OIL SUPPLY FILTER FILTRATION: 15 MICRON ABSOLUTE
FH8-1	0422	GAS FUEL SERVO HYDRAULIC SUPPLY FILTER FILTRATION: 15 MICRON ABSOLUTE

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<p>DEVICE SUMMARY</p>			

FH8-2	0422	GAS FUEL SERVO HYDRAULIC SUPPLY FILTER FILTRATION: 15 MICRON ABSOLUTE
FH8-3	0422	GAS FUEL SERVO HYDRAULIC SUPPLY FILTER FILTRATION: 15 MICRON ABSOLUTE
FM1-1	0462	WATER INJECTION FLOW METER
FM4-1	0427	LIQUID FUEL FLOW 50-550 GPM
FT-GC-1	0422	FUEL GAS TEMPERATURE SENSOR TYPE K THERMOCOUPLE
FT-GC-2	0422	FUEL GAS TEMPERATURE SENSOR TYPE K THERMOCOUPLE
FT-GC-3	0422	FUEL GAS TEMPERATURE SENSOR TYPE K THERMOCOUPLE
FT-GI-1C	0485	FUEL GAS TEMPERATURE SENSOR TYPE K THERMOCOUPLE UNGROUND; ISA DEVICE NAME: TE-2
FT-GI-1D	0485	HEATER-INLET THERMOCOUPLE TYPE K THERMOCOUPLE UNGROUND; INPUT TO DIFF TEMP CONTROLLER ISA DEVICE NAME: TE-1
FT-MG-1/R	0422	RTD FOR GAS FUEL MULTIVARIABLE FLOW TRANSMITTER 100 OHM PLATINUM (DIN 43760) RTD 1 ELEMENT; GROUNDED; DEVICE IS NOT WIRED TO THE SPEED TRONIC CONTROL PANEL, BUT IS WIRED DIRECTLY TO 96FM-1
FW1-1 /FW2-2	0462	DUPLEX FILTER W/TRANSFER VALVE WATER INJECTION SYSTEM
HM1-1	0421	TORQUE CONVERTER
HM2-1	0421	HYDRAULIC RATCHET MECHANISM MOUNTED ON TORQUE CONVERTER

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<p>DEVICE SUMMARY</p>			

HX1-1	0425	ATOMIZING AIR PRE-COOLER
HX4-1	0477	PURGE AIR HEAT EXCHANGER LIQUID FUEL PURGE COOLER. 275F (NOM) AIR
LC-GS	0484	LEVEL CONTROLLER GAS SCRUBBER NO ELECTRICAL CONTACTS ACTUATED BY GAS PRESSURE IN SCRUBBER AUTOMATIC DUMP TO DRAINS TANK
LT-B1D-A	0416	LUBE OIL THERMOCOUPLE #1 BEARING DRAIN
LT-B1D-B	0416	LUBE OIL THERMOCOUPLE #1 BEARING DRAIN
LT-B2D-A	0416	LUBE OIL THERMOCOUPLE #2 BEARING DRAIN
LT-B2D-B	0416	LUBE OIL THERMOCOUPLE #2 BEARING DRAIN
LT-B3D-A	0416	LUBE OIL THERMOCOUPLE #3 BEARING DRAIN
LT-B3D-B	0416	LUBE OIL THERMOCOUPLE #3 BEARING DRAIN
LT-G1D-1A	0440	LUBE SYSTEM TEMP-GENERATOR #1 BEARING DRAIN TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
LT-G1D-1B	0440	LUBE SYSTEM TEMP-GENERATOR #1 BEARING DRAIN TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
LT-G2D-1A	0440	LUBE SYSTEM TEMP-GENERATOR #2 BEARING DRAIN TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
LT-G2D-1B	0440	LUBE SYSTEM TEMP-GENERATOR #2 BEARING DRAIN TYPE K – CHROMEL/ALUMEL THERMOCOUPLE
LT-TH-1A	0416	LUBE OIL THERMOCOUPLE TURBINE HEADER
LT-TH-1B	0416	LUBE OIL THERMOCOUPLE TURBINE HEADER
MG1-1	0422	GAS FUEL NOZZLE - PM1
MG1-2	0422	GAS FUEL NOZZLE – PM2

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<p>DEVICE SUMMARY</p>			

MG1-3	0422	GAS FUEL NOZZLE - TRANSFER
MG2-1	0422	GAS FUEL METER TUBE/ORIFICE
PF1-1	0424	MAIN LIQUID FUEL PUMP
PH1-1	0434	MAIN HYDDRAULIC OIL SUPPLY PUMP RATED FLOW: 13.2 GPM AT 1500 PSIG (1422 RPM)
PH2-1	0434	AUXILIARY HYDRAULIC OIL SUPPLY PUMP RATED FLOW: 16.5 GPM AT 1500 PSIG (1750 RPM)
PW1-1	0462	WATER INJECTION PUMP
SLA-1A	0426	FIRE ALARM STROBE & HORN (ACCESSORY COMPT) 100DB @ 10FT./300 CANDELA/24 VDC INTERIOR- ACCESSORY COMPT. (ZONE 1) CLASS 1, GROUP D, DIV 2 APPROVED
SLA-1B	0426	FIRE ALARM STROBE & HORN (ACCESSORY COMPT) 100 DB @ 10FT./300 CANDELA/24 VDC INTERIOR- ACCESSORY COMPT. (ZONE 1) CLASS 1, GROUP D, DIV 2 APPROVED
SLA-1C	0426	FIRE ALARM STROBE & HORN (ACCESSORY COMPT) 96 DB @ 10FT./15 MINUMUM CANDELA/24 VDC EXTERIOR-ZONE 1 WEATHERPROOF DEVICE
SLA-1D	0426	FIRE ALARM STROBE & HORN (ACCESSORY COMPT) 96 DB @ 10FT./15 MINUMUM CANDELA/24 VDC EXTERIOR-ZONE 1 WEATHERPROOF DEVICE
SLGC-3A	0426	FIRE ALARM STROBE 7 HORN (GEN COMPT) 96 DB @ 10FT./15 MINUMUM CANDELA/24 VDC EXTERIOR-ZONE 3 WEATHERPROOF DEVICE
SLGC-3B	0426	FIRE ALARM STROBE & HORN (GEN COMPT) 96 DB @ 10FT./15 MINUMUM CANDELA/24 VDC EXTERIOR-ZONE 3 WEATHERPROOF DEVICE

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<p>DEVICE SUMMARY</p>			

SLLC-2A	0426	FIRE ALARM STROBE 7 HORN (LOAD COMPT) 96 DB @ 10FT./15 MINIMUM CANDELA/24 VDC EXTERIOR-ZONE 2 WEATHERPROOF DEVICE
SLLC-2B	0426	FIRE ALARM STROBE & HORN (LOAD COMPT) 96 DB @ 10FT./15 MINIMUM CANDELA/24 VDC EXTERIOR-ZONE 2 WEATHERPROOF DEVICE
SLT-1A	0426	FIRE ALARM STROBE & HORN (TURBINE COMPT) 96 DB @ 10FT./15 MINIMUM CANDELA/24 VDC EXTERIOR-ZONE 1 WEATHERPROOF DEVICE
SLT-1B	0426	FIRE ALARM STROBE & HORN (TURBINE COMPT) 96 DB @ 10FT./15 MINIMUM CANDELA/24 VDC EXTERIOR-ZONE 1 WEATHERPROOF DEVICE
TT-IB-1	0415	TURBINE TEMP-INNER BARREL TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-IB-2	0415	TURBINE TEMP-INNER BARREL TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-IB-3	0415	TURBINE TEMP-INNER BARREL TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS1AO-1	0415	TURBINE TEMPERATURE-WHEELSPACE 1ST STG AFT OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS1AO-2	0415	TURBINE TEMPERATURE-WHEELSPACE 1ST STG AFT OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;

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<p>DEVICE SUMMARY</p>			

TT-WS1FI-1	0415	TURBINE TEMPERATURE-WHEELSPACE 1ST STGFWD OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS1FI-2	0415	TURBINE TEMPERATURE-WHEELSPACE 1ST STGFWD OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS2AO-1	0415	TURBINE TEMPERATURE-WHEELSPACE 2ND STG AFT OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS2AO-2	0415	TURBINE TEMPERATURE-WHEELSPACE 2ND STG AFT OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS2FO-1	0415	TURBINE TEMPERATURE-WHEELSPACE 2ND STGFWD OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS2FO-2	0415	TURBINE TEMPERATURE-WHEELSPACE 2ND STGFWD OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS3AO-1	0415	TURBINE TEMPERATURE-WHEELSPACE 3RD STG AFT OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS3AO-2	0415	TURBINE TEMPERATURE-WHEELSPACE 3RD STG AFT OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS3FO-1	0415	TURBINE TEMPERATURE-WHEELSPACE 3RD STGFWD OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-WS3FO-2	0415	TURBINE TEMPERATURE-WHEELSPACE 3RD STGFWD OUTER TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;

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<p>DEVICE SUMMARY</p>			

TT-XD-1	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-10	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-11	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-12	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-13	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-14	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-15	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-16	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-17	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-18	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;

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<p>DEVICE SUMMARY</p>			

TT-XD-2	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-3	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-4	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-5	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-6	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-7	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-8	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
TT-XD-9	0415	EXHAUST TEMPERATURE THERMOCOUPLE TYPE K THERMOCOUPLE 1 ELEMENT; UNGROUNDED;
VA13-1	0477	FUEL GAS SYSTEM PURGE VALVE PRIMARY GAS FUEL SYSTEM PURGE NORMALLY CLOSED
VA13-2	0477	FUEL GAS SYSTEM PURGE VALVE PRIMARY GAS FUEL SYSTEM PURGE-NORMALLY CLOSED
VA13-3	0477	FUEL GAS SYSTEM PURGE VALVE TRANSFER GAS FUEL SYSTEM PURGE-NORMALLY OPEN

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DEVICE SUMMARY			

VA13-4	0477	FUEL GAS SYSTEM PURGE VALVE TRANSFER GAS FUEL PURGE VALVE NORMALLY OPEN
VA13-8	0477	FUEL GAS SYSTEM PURGE VENT VALVE AIR ACTUATED PRIMARY GAS PURGE, NORM=OPEN
VA13-16	0477	FUEL GAS SYSTEM PURGE VENT VALVE NORM=CLOSED
VA14-1	0417	BEARING SEALING AIR VALVE NORM=BOTTOM (11TH STAGE) TO COMMON BEARINGS OPEN: TOP (5TH STAGE) CLOSED
VA17-1	0424	FALSE START DRAIN VALVE-COMBUSTION WRAPPER
VA17-2	0424	FALSE START DRAIN VALVE-EXHAUST FRAME
VA17-5	0424	DRAIN VALVE EXHAUST PLENUM NORM=OPEN;
VA18-1	0425	ATOMIZING AIR COMPRESSOR BYPASS AIR OPERATED VALVE NORM=OPEN
VA19-1	0477	LIQUID FUEL NOZZLE PURGE VALVE PRIMARY LIQ FUEL SYSTEM PURGE-NORMALLY CLOSED NORM=C TO A OPEN TO DRAIN; B CLOSED; PRESSURE AT B ACTUATES=B TO C OPEN; A CLOSED
VA1 9-2	0477	LIQUID FUEL NOZZLE PURGE VALVE SECONDARY FUEL SYSTEM PURGE-NORMALLY CLOSED NORM=C TO A OPEN TO DRAIN; B CLOSED; PRESSURE AT B ACTUATES=B TO C OPEN; A CLOSED
VA19-3-1T10	0477	LIQUID FUEL PURGE ISOLATION VALVES SET 0.5000+-0.5000 PSID OR 0.0352+-0.0352 KG/CM2D PRIMARY LIQUID FUEL 3 WAY VALVE
VA19-4-1T10	0477	LIQUID FUEL PURGE ISOLATION VALVES SET 0.5000+-0.5000 PSID OR 0.0352+-0.0352 KG/CM2D SECONDARY LIQUID FUEL 3 WAY VALVE
VA22-1	0425	STARTING ATOMIZING AIR COMPRESSOR ISOLATION VALVE NORM=OPEN

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<p>DEVICE SUMMARY</p>			

VA23-1	0477	LIQUID PURGE PRESSURE RATIO CONTROL VALVE PNEUMATIC; NORMALLY= OPEN SYSTEM BY-PASS ORIFICE CONTROL (WHEN ACTUATED) FOR OIL AND WATER PURGE
VA23-2	0477	LIQUID PURGE PRESSURE RATIO CONTROL GLOBE VALVE BYPASS PNEUMATIC; NORMALLY= OPEN SYSTEM BY-PASS ORIFICE CONTROL (WHEN ACTUATED) FOR OIL AND WATER PURGE
VA33-1	0477	WATER INJECTION PURGE VALVE WATER INJECTION (PRI + SEC) PURGE-NORMALLY CLOSED NORM=C TO A OPEN TO DRAIN; B CLOSED; PRESSURE AT B ACTUATES=B TO C OPEN; A CLOSED
VA36-1	0477	FUEL GAS SYSTEM PURGE VALVE ACTUATOR QUICK EXH VALVE PRIMARY VALVE EXHAUST. ORIFICE NEEDLE CONTROL VALVE IN SUPPLY PORT
VA36-2	0477	FUEL GAS SYSTEM PURGE VALVE ACTUATOR QUICK EXH VALVE PRIMARY VALVE EXHAUST. ORIFICE NEEDLE CONTROL VALVE IN SUPPLY PORT
VA42-1	0432	INLET BLEED HEAT QUICK EXHAUSTER VALVE
VA2-1	0417	COMPRESSOR BLEED VALVE NORM=OPEN;
VA2-2	0417	COMPRESSOR BLEED VALVE NORM=OPEN;
VA20-1	0432	INLET HEATING CONTROL VALVE 8.00 INCH ANSI FLANGE CONNECTION LINEAR TRIM CHARACTERISTIC 2.00 INCH STROKE
VA36-3	0477	FUEL GAS SYSTEM PURGE VALVE ACTUATOR QUICK EXH VALVE TRANSFER VALVE EXHAUST ORIFICE NEEDLE CONTROL IN VENT PORT

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<p>DEVICE SUMMARY</p>			

VA36-4	0477	FUEL GAS SYSTEM PURGE VALVE ACTUATOR QUICK EXH VALVE TRANSFER VALVE EXHAUST ORIFICE NEEDLE CONTROL IN VENT PORT
VA40-1	0432	INLET HEATING CONTROL VALVE VOLUME BOOSTER
VAB1-1	0434	HYDRAULIC OIL SYSTEM AIR BLEED VALVE (MAIN)
VAB2-1	0434	HYDRAULIC OIL SYSTEM AIR BLEED VALVE (AUX)
VAD-2	0419	AIR PROCESSING UNIT DRAIN VALVE PNEUMATICALLY OPERATED DRAIN VALVE. CONTROLLED BY A FLOAT SWITCH
VC2-1	0421	HYDRAULIC RATCHET INLET FLOW CONTROL VALVE 4.0 GPM AT 1500 PSIG
VCK3-1	0434	HYDRAULIC OIL PUMP CHECK VALVE
VC3-1	0424	LIQUID FUEL PUMP BYPASS CONTROL VALVE STROKE= 1.25" (PLUG TRAVEL) SLEW = 2.7 SECONDS (0,5 GPM SERVO)
VCK2-11T20	0477	LIQUID FUEL NOZZLE PURGE CHECK VALVE SET 0.5000+-0.5000 PSID OR 0.0352+-0.0352 KG/CM2D WATER INJECTION PURGE, TO PRIMARY
VCK2-1TIO	0477	LIQUID FUEL NOZZLE PURGE CHECK VALVE SET 0.5000+-0.5000 PSID OR 0.0352+-0.0352 KG/CM2D WATER INJECTION PURGE, TO SECONDARY
VCK2-21T30	0477	WATER INJECTION PURGE CHECK VALVES SET 0.50+-0.50 PSID OR 0.50 +-0.50 PSID WATER INJECTION PURGE TO PRIMARY
VCK2-31T40	0477	WATER INJECTION PURGE CHECK VALVES SET 0.50+-0.500 PSID OR 0.50 +-0.50 PSID WATER INJECTION PURGE TO SECONDARY
VCK3-2	0434	HYDRAULIC OIL PUMP CHECK VALVE
VCK7-1	0417	TURBINE SHELL & EXHAUST FRAME BLOWER CHECK VALVE

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<p>DEVICE SUMMARY</p>			

VCK7-2	0417	TURBINE SHELL & EXHAUST FRAME BLOWER CHECK VALVE
VCK80-1	0477	PURGE CONTROL AIR CHECK VALVE SET 10.00+-2.500 PSIG OR 0.7031 +-0.1758 KG/CM2G CONTROL AIR FROM PA1 CONNECTION
VCK80-2	0477	PURGE CONTROL AIR CHECK VALVE SET 10,00+-2.500 PSIG OR 0,7031 +-0.1758 KG/CM2G ALTERNATE CONTROL AIR FROM PG35
VCK8-1T20	0462	WATER INJECTION CHECK VALVE 15 PSID (1.035 BARD) CRACKING PRESSURE 50 PSID (3.448 BARD) AT 16 GPM (1.000LPS)
VGC-1	0422	FUEL GAS CONTROL VALVE 1.125 IN. MAXIMUM STROKE
VGC-2	0422	FUEL GAS CONTROL VALVE 0.75 IN. MAXIMUM STROKE
VGC-3	0422	FUEL GAS CONTROL VALVE 1.125 IN. MAXIMUM STROKE
VH3-1	0469	INLET GUIDE VANE DUMP VALVE
VH4-1	0424	LIQUID FUEL STOP VALVE HYDRAULIC TRIP VALVE
VH5-1	0422	GAS FUEL DUMP VALVE-STOP/SPEED RATIO VALVE
VH5-2	0422	GAS FUEL DUMP VALVE-CONTROL VALVE
VH5-3	0422	GAS FUEL DUMP VALVE-CONTROL VALVE
VH5-4	0422	GAS FUEL DUMP VALVE-CONTROL VALVE
VH9-2	0424	LIQUID FUEL SYSTEM NOZZLE SOLENOID VALVE, SECONDARY
VM15-1	0432	INLET HEATING ISOLATION VALVE 8.00 INCH ANSI FLANGE CONNECTION MANUAL BUTTERFLY VALVE
VM4-1	0434	HYDRAULIC OIL FILTER TRANSFER VALVE

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DEVICE SUMMARY			

VM5-1	0424	FUEL FILTER TRANSFER VALVE
VPR2-1	0416	LUBE OIL HEADER PRESSURE REGULATOR VALVE SET 26.00+-1.000 PSIG OR 1.828+-0.0703 KG/CM2G
VPR3-1	0434	COMPENSATOR-HYDRAULIC OIL SUPPLY PUMP (IN PUMP) SET 1510+-10.00 PSIG OR 106.2+-0.7031 KG/CM2G
VPR3-2	0434	COMPENSATOR-HYDRAULIC OIL SUPPLY AUX PUMP SET 1510+-10.00 PSIG OR 106.2+-0.7031 KG/CM2G
VPR41-1	0432	TURBINE IAH CONTROL VALVE I/P INST AIR PRESSURE REG SET 45.00+-2.000 PSIG OR 3.164+-0.1406 KG/CM2G
VPR41-2	0432	INLET HEATING ISOLATION VALVE PRESSURE REG SET 80.00+-2.000 PSIG OR 5.625+-0.1406 KG/CM2G
VPR53-1	0427	LIQUID FUEL FORWARDING SUPPLY PRESSURE REGULATOR VALVE SET 65.00+-2.0 PSIG OR 4.83+-0.14 BARG
VPR53-2	0424	ISOLATION VALVE HYDRAULIC OIL PRESSURE REG VALVE SET 100.0+-5.000 PSIG OR 7.031 +-0.3515 KG/CM2G INLET 1200 TO 1500 PSIG OUTLET ADJUSTABLE SET: 75 TO 150 PSIG
VPR53-3	0427	LIQUID FUEL MANAGEMENT REGULATING VALVE SET 42PSIG OR 2.95 KG/CM2G
VPR53-4	N/A	DEMIN WATER FORWARDING REGULATING VALVE SET 63.55PSIG OR 4.47 KG/CM2G
VPR54-1	0477	PURGE CONTROL VALVE AIR PRESSURE REGULATOR SET 90.00+-5.000 PSIG OR 6.328+-0.3515 KG/CM2G REGULATOR FOR LIQUID PURGE VALVES AND ORIFICE BY PASS VALVES
VPR54-2	0477	PURGE CONTROL VALVE AIR PRESSURE REGULATOR SET 90.00+-5.000 PSIG OR 6.328+-0.3515 KG/CM2G PRESSURE REGULATOR FOR VA13 GAS PURGE (2) AND 20VG PURGE VENT (1) VALVES
VPR67-1	0419	AIR FILTER BLOWDOWN REGULATOR VALVE SET 100.0+-4.000 PSIG OR 7.031+-0.2812 KG/CM2G

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<p>DEVICE SUMMARY</p>			

VPR68-1	0425	PRESSURE REGULATOR-STARTING AA CPRSR ISOLATION VALVE SET 65.00+-5.000 PSIG OR 4.570+-0.3515 KG/CM2G
VQE1-1	0462	QUICK EXHAUST VALVE, WATER INJ STOP VALVE PART OF VS2-1 STOP VALVE ASSEMBLY
VR1-1	0416	MAIN LUBE OIL PUMP PRESSURE RELIEF VALVE SET 101.0+-1.000 PSIG OR 7.101+-0.0703 KG/CM2G
VR14	0484	GAS SCRUBBER RELIEF VALVE SET 600.0+-15.00 PSIG OR 42.18+-1.055 KG/CM2G THERMAL RELIEF VALVE
VR14-1	0419	APU PRESSURE RELIEF VALVE SET 150.0+-1.000 PSIG OR 10.55+-0.0703 KG/CM2G DRYER TOWER RELIEF VALVE
VR14-2	0419	APU PRESSURE RELIEF VALVE SET 150.0+-1.000 PSIG OR 10.55+-0.0703 KG/CM2G DRYER TOWER RELIEF VALVE
VR14-7	0485	RELIEF VALVE-FUEL GAS SET 600.0+-18.00 PSIG OR 42.18+-1.266 KG/CM2G THERMAL RELIEF VALVE
VR21-1	0434	MAIN HYDRAULIC OIL SUPPLY PUMP PRESSURE RELIEF VALVE SET 1700+-20.00 PSIG OR 119.5+-1.406 KG/CM2G
VR22-1	0434	AUXILIARY HYDRAULIC OIL SUPPLY PUMP PRESSURE RELIEF VALVE SET 1700+-20.00 PSIG OR 119.5+-1.406 KG/CM2G
VR4-1	0424	MAIN FUEL PUMP PRESSURE RELIEF VALVE SET 1200+-25.00 PSIG OR 84.37+-1.758 KG/CM2G
VR64-6	0420	HEAT EXCHANGER - ATOMIZING AIR SET 150.0+-5.000 PSIG OR 10.55+-0.3515 KG/CM2G
VR70-1	0462	H2O INJECTION STOP VALVE ACTUATION PRESS RELIEF VALVE SET 120.0 +- 5.00 PSIG
VR70-3	0462	H2O INJECTION FILTER PRESSURE RELIEF VALVE INCREASING: 750.0 +- 25.0 PSIG

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<p>DEVICE SUMMARY</p>			

VSI-I	0424	LIQUID FUEL STOP VALVE
VS2-1	0462	WATER INJECTION STOP VALVE OPEN WHEN 20WN-1 ENERGIZED
VSR-1	0422	STOP/SPEED RATIO VALVE 90 DEGREES ROTATION MAX STROKE
VTR1-1	0420	LUBE OIL HEADER TEMP REGULATOR VALVE SET 130.0+-8.000 F OR 54.44+-4.444 C
VTR2-1	0420	ATOMIZING AIR PRECOOLER AIR DISCH TEMP RGLTR VALVE SET 225.0+-8.000 F OR 107.2+-4.444C

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