## STATUS

| Line | System Monitored | DEVICE COMMUNICATIONS | HIGH BATTERY VOLTAGE WARNING | LOW BATTERY VOLTAGE WARNING | GENERATOR RUNNING | LOW OIL PRESSURE WARNING | LOW OIL PRESSURE SHUT-DOWN | HIGH COOLANT TEMPERATURE WARNING | HIHG COOLANT TEMPERATURE SHUT-DOWN | LOW COOLANT TEMPERATURE WARNING | OVERSPEED CONDITION | OVERCRANK CONDITION | ENGINE CONTROL SWITCH | LOW FUEL | COOLANT LEVEL | HIGH AC VOLTAGE SHUT-DOWN | LOW AC VOLTAGE SHUT-DOWN | OVER CURRENT | SHORT CIRCUIT SHUT-DOWN | REVERSE POWER SHUT-DOWN | LOSS OF FIELD SHUT-DOWN | LOSS OF AC INPUT SHUT-DOWN | FAIL TO SYNC WARNING | FAIL TO CLOSE WARNING | OVERLOAD WARNING |
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| 1 | DIESEL GEN SETS | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | GENERATOR G1 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 3 | GENERATOR G2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
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| 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | GENERATOR SWGR 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | BREAKER G1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | GENERATOR SWGR 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | BREAKER G1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | FUEL TANK | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | FUEL TANK 1 | ● | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | FUEL TANK 2 | ● | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | HVAC SWBD 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | MAIN BREAKER | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | HVAC SWBD 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | MAIN BREAKER | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | UTILITY – CMP | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | FEEDER 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | FEEDER 2 | | | | | | | | | | | | | | | | | | | | | | | | |

| Line | System Monitored | ENGINE STATUS | COMMUNICATIONS FAILURE | COMMON ALARM | SYSTEM READY STATUS | LOAD DUMP | FAULT ALARM # 1 | FAULT ALARM # 2 | FAULT ALARM # 3 | FAULT ALARM # 4 | UNDER FREQUENCY SHUT-DOWN | BREAKER CLOSED | BREAKER OPEN | BREAKER WITHDRAWN | MECHANISM CHARGED YES/NO | TANK SETUP WARNING | TANK LEAK ALARM | TANK HIGH WATER ALARM | TANK OVERFILL ALARM | TANK LOW PRODUCT ALARM | TANK SUDDEN LOSS ALARM | TANK HIGH PRODUCT ALARM | TANK INVALID FUEL LEVEL | TANK PROBE OUT | TANK HIGH WATER WARNING |
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| 1 | DIESEL GEN SETS | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | GENERATOR G1 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | |
| 3 | GENERATOR G2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | |
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| 7 | GENERATOR SWGR 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | BREAKER G1 | | | | | | | | | | | ● | ● | ● | ● | | | | | | | | | | |
| 9 | GENERATOR SWGR 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | BREAKER G1 | | | | | | | | | | | ● | ● | ● | ● | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | FUEL TANK | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | FUEL TANK 1 | | | | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 16 | FUEL TANK 2 | | | | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
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| 18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | HVAC SWBD 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | MAIN BREAKER | | | | | | | | | | | ● | ● | ● | ● | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | HVAC SWBD 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | MAIN BREAKER | | | | | | | | | | | ● | ● | ● | ● | | | | | | | | | | |
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| 28 | UTILITY – CMP | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | FEEDER 1 | | | | | | | | | | | ● | ● | ● | ● | | | | | | | | | | |
| 30 | FEEDER 2 | | | | | | | | | | | ● | ● | ● | ● | | | | | | | | | | |

| Line | System Monitored | TANK DELIVERY NEEDED | TANK MAXIMUM PRODUCT ALARM | TANK GROSS TEST FAIL | TANK PERIODIC TEST FAIL | TANK ANNUAL TEST FAIL | TANK PERIODIC TEST WARNING | TANK ANNUAL TEST WARNING | TANK PERIODIC TEST ALARM | TANK ANNUAL TEST ALARM | TANK TEST ACTIVE | TANK NO CSLD IDLE TIME | TANK SYPHON BREAK | TANK CSLD INCREASE RATE WARNING | LIQUID SENSOR SETUP ALARM | LIQUID SENSOR FUEL ALARM | LIQUID SENSOR OPEN ALARM | LIQUID SENSOR SHORT ALARM | LIQUID SENSOR WATER ALARM | LIQUID SENSOR WATER OUT ALARM | LIQUID SENSOR HIGH LIQUID ALARM | LIQUID SENSOR LOW LIQUID ALARM | LIQUID SENSOR LIQUID WARNING | EXTERNAL INPUT ALARMS 1 THRU 16 | GENERATOR CALL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DIESEL GEN SETS | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | GENERATOR G1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | GENERATOR G2 | | | | | | | | | | | | | | | | | | | | | | | | |
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| 7 | GENERATOR SWGR 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | BREAKER G1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | GENERATOR SWGR 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | BREAKER G1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | FUEL TANK | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | FUEL TANK 1 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 16 | FUEL TANK 2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
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| 18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | HVAC SWBD 1 | | | | | | | | | | | | | | | | | | | | | | | | ● |
| 21 | MAIN BREAKER | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | HVAC SWBD 2 | | | | | | | | | | | | | | | | | | | | | | | | ● |
| 24 | MAIN BREAKER | | | | | | | | | | | | | | | | | | | | | | | | |
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| 26 | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 28 | UTILITY – CMP | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | FEEDER 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | FEEDER 2 | | | | | | | | | | | | | | | | | | | | | | | | |

## METERS / GENERAL ALARMS

| Line | System Monitored | VOLTAGE A/N | VOLTAGE B/N | VOLTAGE C/N | FREQUENCY | CURRENT A | CURRENT B | CURRENT C | POWER FACTOR | REAL POWER | PERCENT LOAD | OIL PRESSURE | LUBE OIL TEMPERATURE | COOLANT TEMPERATURE 1 | COOLANT TEMPERATURE 2 | EXHAUST TEMPERATURE 1 | EXHAUST TEMPERATURE 2 | BATTERY VOLTAGE | RUN TIME | STARTS | ENGINE SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DIESEL GEN SETS | | | | | | | | | | | | | | | | | | | | |
| 2 | GENERATOR G1 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 3 | GENERATOR G2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
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| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | GENERATOR SWGR 1 | | | | | | | | | | | | | | | | | | | | |
| 8 | BREAKER G1 | | | | | | | | | | | | | | | | | | | | |
| 9 | GENERATOR SWGR 2 | | | | | | | | | | | | | | | | | | | | |
| 10 | BREAKER G1 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | |
| 14 | FUEL TANK | | | | | | | | | | | | | | | | | | | | |
| 15 | FUEL TANK 1 | | | | | | | | | | | | | | | | | | | | |
| 16 | FUEL TANK 2 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | |
| 20 | HVAC SWBD 1 | | | | | | | | | | | | | | | | | | | | |
| 21 | MAIN BREAKER | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | |
| 23 | HVAC SWBD 2 | | | | | | | | | | | | | | | | | | | | |
| 24 | MAIN BREAKER | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | |
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| 27 | | | | | | | | | | | | | | | | | | | | | |
| 28 | UTILITY – CMP | | | | | | | | | | | | | | | | | | | | |
| 29 | FEEDER 1 | | | | | | | | | | | | | | | | | | | | |
| 30 | FEEDER 2 | | | | | | | | | | | | | | | | | | | | |

| Line | System Monitored | FUEL VOLUME | TEMPERATURE COMPENSATED VOLUME | TANK ULLAGE | FUEL HEIGHT | WATER HEIGHT | FUEL TEMPERATURE | WATER VOLUME | KW TOTAL | KVA TOTAL | | GROUND FAULT ALARM | CONTROL POWER FAILURE | BREAKER OPEN FAILURE | BREAKER CLOSE FAILURE | SYNCHRONIZATION FAILURE | TRIPPED PROTECTIVE RELAY | CIRCUIT APPROACHING OVERLOAD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DIESEL GEN SETS | | | | | | | | | | | | | | | | | |
| 2 | GENERATOR G1 | | | | | | | | | | | | | | | ● | | |
| 3 | GENERATOR G2 | | | | | | | | | | | | | | | ● | | |
| 4 | | | | | | | | | | | | | | | | | | |
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| 6 | | | | | | | | | | | | | | | | | | |
| 7 | GENERATOR SWGR 1 | | | | | | | | | | | | | | | | | |
| 8 | BREAKER G1 | | | | | | | | | | | ● | ● | ● | ● | | ● | ● |
| 9 | GENERATOR SWGR 2 | | | | | | | | | | | | | | | | | |
| 10 | BREAKER G1 | | | | | | | | | | | ● | ● | ● | ● | | ● | ● |
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| 12 | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | |
| 14 | FUEL TANK | | | | | | | | | | | | | | | | | |
| 15 | FUEL TANK 1 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 16 | FUEL TANK 2 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
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| 20 | HVAC SWBD 1 | | | | | | | | | | | | | | | | | |
| 21 | MAIN BREAKER | | | | | | | | | | | ● | ● | ● | ● | | ● | ● |
| 22 | | | | | | | | | | | | | | | | | | |
| 23 | HVAC SWBD 2 | | | | | | | | | | | | | | | | | |
| 24 | MAIN BREAKER | | | | | | | | | | | ● | ● | ● | ● | | ● | ● |
| 25 | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | |
| 28 | UTILITY – CMP | | | | | | | | | | | | | | | | | |
| 29 | FEEDER 1 | | | | | | | | | | | ● | ● | ● | ● | | ● | ● |
| 30 | FEEDER 2 | | | | | | | | | | | ● | ● | ● | ● | | ● | ● |

## KEYED NOTES

## GENERAL NOTES

1. FOR SYMBOLS AND GENERAL NOTES, SEE DWG E001

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| no. | revisions/submissions | date |
|---|---|---|
| 0 | FOR CONSTRUCTION | 7/13/01 |

0 1" 2" 3"


Einhorn Yaffee Prescott
ARCHITECTURE & ENGINEERING, P.C.


# Commtel Data Center
380 Cumberland Avenue
Portland, Maine

drawing title
## DATATRAX SCHEDULE

seal

designed by D.F.
drawn by I.D.
checked by SA
date 7/13/01
scale AS NOTED
project no. 5501001.00
CAD file no. 2001/ELEC/PLOT/CTL-E605
drawing no. E605
____of____