

NEW LAYOUT
3/8" = 1'-0"

LEGEND

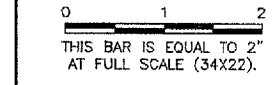
- ① NEW GENERATOR FAN SHROUD
- ② NEW 200 KW, 208V, 3PH, STANDBY GENERATOR
- ③ NEW CRITICAL GRADE SOUND ATTENUATING EXHAUST SILENCER, WITH THERMAL INSULATION
- ④ NEW 600A, 3P 240V MAIN CIRCUIT BREAKER, MOUNTED ON GENERATOR
- ⑤ NEW 24 VOLT LEAD-ACID GENERATOR START BATTERIES
- ⑥ NEW 50 GALLON DAY TANK
- ⑦ NEW 500 GALLON FUEL STORAGE TANK
- ⑧ NEW CONCRETE PAD FOR FUEL STORAGE TANK
- ⑨ EXISTING COMBINATION DAMPER/LOUVER - INLET
- ⑩ EXISTING COMBINATION DAMPER/LOUVER - OUTLET
- ⑪ NEW 800A, 208V, 3P ATS, ENLARGE HOUSEKEEPING PAD AS REQUIRED.
- ⑫ EXISTING 600A, 240V, 3P ENCLOSED DISCONNECT SWITCH
- ⑬ NEW 4" GR, 8-350 MCM CONNECTED AT GENSET CIRCUIT BREAKER WITH 2' OF 4" FMC.
- ⑭ NEW 24 VOLT BATTERY CHARGER
- ⑮ NEW, BLACK PIPE FUEL PLUMBING FROM EXT. FUEL STORAGE TANK TO DAYTANK AND GENSET, PER TANK MFR. REQUIREMENTS.
- ⑯ EXISTING MAIN 600A, 3P DISTRIBUTION PANEL. USE EXISTING CIRCUITS TO FEED NEW BATTERY CHARGER, DAY TANK, NEW AND EXISTING LOUVERS, WATER JACKET HEATERS AND OTHER ACCESSORIES AND CONTROLS AS NEEDED. ALL WIRING IN GRSC. CONTRACTOR MAY USE EXISTING CONDUIT WHERE PRACTICAL.
- ⑰ EXISTING UTILITY METERING
- ⑱ NEW 225A, 240V, 3P DISTRIBUTION PANEL, WITH TVSS SQUARE D NQOD OR EQUIVALENT
- ⑲ NEW 4-#6 AWG THHN COND. IN 2 1/2" GRSC
- ⑳ NEW 6 #10 AWG THHN COND. IN 1" GRSC
- ㉑ NEW 12"x63" DRAINABLE COMBINATION LOUVER, RUSKIN MODEL ELC6375DAX OR EQUIVALENT, W/ 120V OPERATOR
- ㉒ BOLLARD, TYPICAL OF 4, CENTER 16" FROM EDGE OF PAVEMENT, 48" BETWEEN CENTERS. SEE DETAIL SHEET. BOLLARDS ARE INCIDENTAL TO PAY ITEM AR800338 REPLACE FUEL SYSTEM.
- ㉓ EXISTING PLC CABINET
- ㉔ NEW 3 #12 AWG CONTROL CONDUCTORS, 6 #12 AWG SPARES IN 1" GRSC.

NOTES

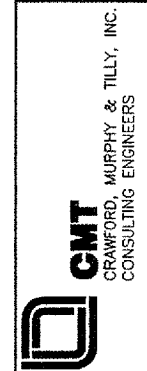
- 1. PLUG AND SEAL ALL WALL OPENINGS CREATED BY EQUIPMENT REMOVALS. PAINT TO MATCH EXISTING

REVISIONS

NUMBER	BY	DATE



BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
REPLACE AIRFIELD LIGHTING VAULT STANDBY GENERATOR
NEW LAYOUT



DESIGN BY:	TM
DRAWN BY:	DLB
CHECKED BY:	JET
APPROVED BY:	PLV
DATE:	1/13/06
JOB No:	05085-06-00