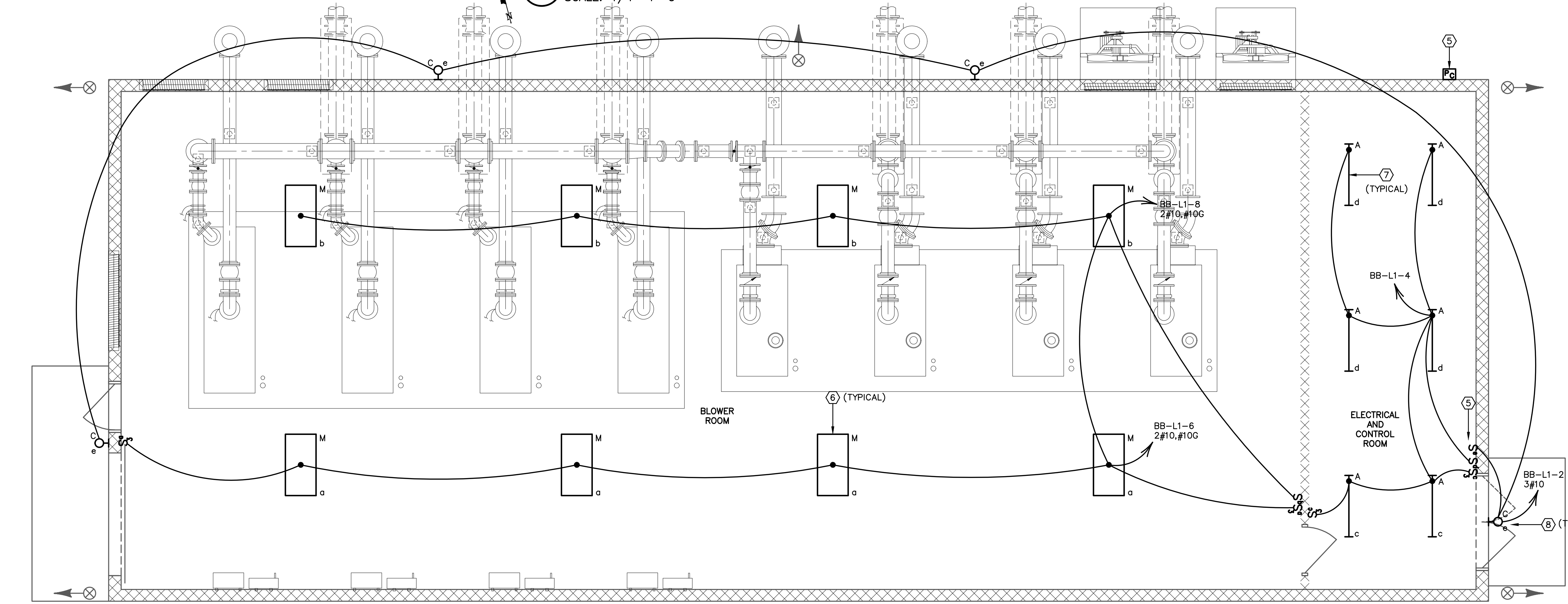


1 BLOWER BUILDING ELECTRICAL POWER PLAN
 EBB-1 SCALE: 1/4"=1'-0"



2 BLOWER BUILDING ELECTRICAL LIGHTING PLAN
 EBB-2 SCALE: 1/4"=1'-0"

GENERAL NOTES

- A. WHERE PRACTICAL, CONCEAL WIRING AND CONDUIT FOR MISCELLANEOUS BRANCH CIRCUITS UNDER FLOOR SLAB, AND CONCEAL WIRING WITHIN WALLS AND ABOVE CEILING. PROVIDE FLUSH MOUNTED SWITCHES AND RECEPTACLES. TYPE MC CABLEING MAY BE USED WHERE CONCEALED WITHIN WALLS AND ABOVE CEILING IN ACCORDANCE WITH NEC ARTICLE 330.
- B. SMOKE DETECTION DEVICES SPECIFIED FOR ELECTRICAL AND CONTROL ROOM AND BLOWER ROOM ARE FOR EQUIPMENT PROTECTION ONLY. NOT REQUIRED BY CODE.

KEYED NOTES

- 1 BEAM TYPE SMOKE DETECTION SYSTEM WITH MINIMUM 50°C OPERATING TEMPERATURE RATING. XTRALIS OSID OR APPROVED EQUAL, WITH 10" IMAGER AND ONE EMITTER. PROVIDE 24VDC POWER SUPPLY AND WIRING TO BOTH UNITS PER MANUFACTURER'S INSTRUCTIONS, AND PROVIDE MONITORING CONNECTION TO SCADA SYSTEM.
- 2 PROVIDE MONITORING CONNECTION TO SCADA SYSTEM.
- 3 LOUVER OPERATORS INTERLOCKED WITH EF-1.
- 4 LOUVER OPERATORS INTERLOCKED WITH EF-2.
- 5 EXTERIOR LIGHTS CONTROLLED BY MANUAL SWITCH AND PHOTOCELL. PHOTOCELL ALLOWS EXTERIOR LIGHTS TO OPERATE BETWEEN DUSK AND DAWN ONLY.
- 6 PENDANT MOUNT TYPE M FIXTURES 8" FROM CEILING SURFACE.
- 7 CHAIN HANG TYPE A FIXTURES TO ±10" AFF.
- 8 SEE BUILDING ELEVATIONS FOR TYPE C FIXTURE LOCATIONS.
- 9 HC-1 FURNISHED WITH DUCT SMOKE DETECTOR. PROVIDE ALARM CONNECTION TO SCADA.
- 10 SWITCHBOARD SHALL BE NO MORE THAN 6'-0" WIDE. TWO EXITS FROM THE SWITCHBOARD WORK SPACE ARE NOT REQUIRED.
- 11 VFD'S AND HARMONIC FILTERS FOR BLOWERS AB-1 THRU AB-4 FURNISHED WITH BLOWERS, INSTALLED BY CONTRACTOR.

| REVISIONS | | |
|-----------|------------|---|
| NO. | DATE | DESCRIPTION |
| 1 | 06/21/2012 | ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRD (BLOWER BUILDING) |
| 2 | 07/17/2012 | ISSUED FOR CONSTRUCTION PER PPRD BLDG PERMIT NO. 129081 (BLOWER BLDG) |

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ELECTRICAL POWER AND LIGHTING PLANS
BLOWER BUILDING
 HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
 LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

| | |
|--------------|-----------|
| DRAWN | MR/MAM |
| DESIGNED | MR |
| CHECKED | MR |
| DATE | 2012 |
| PROJECT NO. | 20166.330 |
| GMS FILE NO. | 2599 |

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SHEET
EBB-1
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