

## **ELECTRICAL PLAN REVIEW FOR BLD17-0247 (REV. 5)**

1. Provide available fault current on Baltimore Gas and Electric letter head.
2. Specify and indicate on the drawings the ampere interrupting capacity (A.I.C.) rating of all electrical service equipment and electrical distribution panels.
3. Specify and indicate on the electrical drawings; the proposed fused switches shall be UL listed as service rated.
4. Specify and indicate on the electrical drawings: the proposed fuse type selected for the disconnecting means of all shown on the riser diagram. Current limiting type shall be utilized along with rejection pin kits were appropriate.
5. Specify and indicate on the electrical drawings: the fire pump service disconnecting means shall be electrically supervised through required base building fire alarm system.
6. Provide grounding detail of the new service configuration.
7. Specify and indicate on the plans that the emergency generator will be required to be load bank tested under witness from this office. The load shall be the calculated emergency load, plus ten percent. The duration of the test shall be a minimum of 4 hours.
8. Specify and indicate on the plans that a concrete encased electrode (footing ground), metal domestic water piping, and the metal frame of the building will make up the grounding electrode system. The minimum size of the conductor in the footing shall be 3/0 bare cooper. The conductor shall be connected to the reinforcing steel in the footing by an approved listed means. Soil conditions encountered on location dictate the above requirements.
9. Provide the locked rotor current value for the proposed fire pump on the electrical drawings. Overcurrent device selected must be capable of carrying the locked rotor current indefinitely. Modify the design as required to meet this requirement.