



Prince George's County
Department of Permitting, Inspections
and Enforcement
BUILDING PLAN REVIEW DIVISION
9400 Peppercorn Place, 2nd Floor
Largo, Maryland 20774
301.883.5880 ♦ FAX: 301.883.7148



ELECTRICAL PLAN REVIEW REQUIREMENTS

PERMIT APPLICATION TYPES

- **CIW Permit (Commercial Interior/Remodel Walk-thru)** requires electrical drawings for electrical work to be performed.
- **CEW Permit (Commercial Exterior Walk-thru)** requires electrical drawings for electrical work to be performed.
- **CUW Permit (Commercial Interior with Use and Occupancy Walk-thru)** requires existing electrical drawings for a change in use type and/or occupancy load; otherwise, provide drawings for electrical work to be performed only.
- **CGU Permit (New Construction/Major Renovation with Grading)** requires complete sets of electrical plans.

THE FOLLOWING ITEMS (*CIRCLED*) ARE REQUIRED FOR REVIEW OF ELECTRICAL DRAWINGS — SUBMIT TWO (2) COPIES

1. Require original seal and signature by a Maryland Professional Engineer, including professional statement with expiration date of license.
2. Power riser diagram including wiring method type, feeder sizes, conduit size, cable size and the over-current protection device, size and rating.
3. Symbols list.
4. Provide electrical energy calculation certification per *International Energy Conservation Code (IECC)*; the software may be downloaded at www.energycodes.gov.
5. Fire alarm control panel (FACP) location.
6. A wall-mounted battery pack operated emergency illumination shall be provided for all working spaces about the service equipment, switchboards, panel boards, load centers and motor control centers installed indoors in all commercial occupancies per Prince George's County Code, Subtitle 9, Section 9-104.01.
7. Lighting schedule.
8. Reflective ceiling plan showing track lighting and window lighting, including homeruns.
9. Power plan with the floor layout, including homeruns.
10. Panel schedules, panel locations and panel clearance(s) in accordance with Article 110.26, *National Electrical Code (NEC)*.
11. Demand load calculations, including new additions and new additions added to existing loads.
12. Fire pumps, if applicable: provide the means of emergency sources, service size, feeder size and full-load running current of the locked-rotor current and the over-current protection device sized in accordance with National Fire Protection Association (NFPA) 20 and Article 695 of the NEC.
13. Location of emergency power source and distribution system for lighting and power. Also, verify the location of transfer switch(es).
14. Emergency system and transfer equipment shall be separated by a wall or wall(s) with a minimum fire rating of two (2) hours per Prince George's County Code, Subtitle 9, Section 9-109.01.
15. The drawings shall be sized to 24" x 36" (minimum) with a scale of 1/8" = 1'-0" (minimum) and a text height of 1/8".
16. Provide system grounding detail for main incoming service switch including the size of grounding electrode conductor(s) and size of bonding jumper(s).