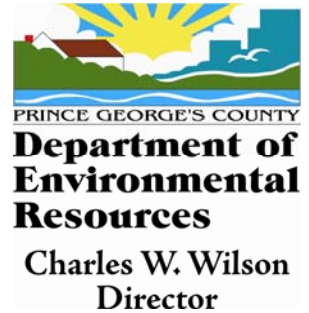




MECHANICAL PLAN REVIEW **REQUIREMENTS**

(New construction and Renovation work)



Minimum information required for Mechanical drawings for Commercial building,
(Including Town homes, Apartments, and Condominiums)

CIW Permit

(General interior Walk-Thru)

Two complete sets of mechanical plans are required.

CUW Permit

(Tenant/Use & Occupancy)

Two complete sets of mechanical plans, even if no mechanical work is to be completed will be required.

CGU Permit

(New construction/major renovation with grading)

Two complete sets of mechanical plans will be required.

The following are requirements for Mechanical plan review.

- 1 Mechanical plans are required to be signed and sealed by a professional Mechanical Engineer registered in state of Maryland.
- 2 HVAC floor plan showing all ductworks, duct sizes, air devices and air flow (CFM) at each air devices.
- 3 HVAC equipment schedule and related details.
- 4 HVAC equipment location on floor plan and equipment shall be labeled and shall identify the space it serves.
- 5 HVAC roof plan showing all roof mounted equipments.
- 6 HVAC piping floor plan (e.g. chilled water / heating hot water/Condenser water piping, Refrigerant piping, Condensate piping, Steam piping, etc.)
- 7 HVAC piping riser diagrams indicating pipe sizes and pipefittings.
- 8 Combustion air provisions should be shown on the plans for the fuel-burning equipment. Size of openings and/or ducts and their points of termination should be indicated.
- 9 Show commercial cooking hood, exhaust ducts exhaust fan on floor plans and show all dimensions on both items.
- 10 Show the make-up air unit and airflow rating on plans. Make-up air shall be approximately equal to the amount of the exhaust air.

- 11 Energy compliance certificate (Building envelope energy calculation) for energy calculation use energy code software, which you can download from the United State Department of Energy Web Site at WWW.Energycodes.gov.
- 12 Air balance diagram and sequence of operation.
- 13 An outdoor air schedule or calculation in accordance with IMC-2003 table 403.3. Must be included with any renovation, new construction or existing HVAC system.
- 14 A manufacturer's cut sheet must be provided for any domestic / commercial clothes dryers with an exhaust duct run greater than 25 feet.
- 15 Minimum drawing size 24"x36" and scale must be noted on floor plans, minimum scale is 1/8-inch.