



Borough of Pottstown

*Borough Hall, 100 East High Street
Pottstown, Pennsylvania 19464-9525*

MECHANICAL PLAN SUBMISSION REQUIREMENTS

All Mechanical/ HVAC Systems shall be designed and installed in accordance with the following codes:

- 2009 International Residential Code
- 2009 International Building Code
- 2009 International Mechanical Code

Construction documents for mechanical systems shall be submitted for review and approval prior to system installation. **Two complete sets of construction documents shall be submitted.** Construction documents shall include, but not be limited to, all of the following:

General Requirements

- Plans shall show the job name and complete address (including suite numbers where applicable)
- Plans shall show the contractor's name, address and phone number
- Plans shall show details for boiler, water heater equipment and piping details including safety controls and distribution piping layout
- Plans shall show the location of all roof mounted equipment

Heating/ Cooling Equipment Data including the following information

- Provide fuel-gas, fuel oil piping size, length, pipe material, fuel gas pressure and input BTUh of each connected appliance
- Equipment capacity (B.T.U.)
- Provide heating and cooling load calculations
- Location, access, clearance and listed/ labeled information for all equipment, appliances and controls
- Disconnect switches
- Indoor and outdoor design temperatures
- Show primary and secondary condensation drains, including size and material from appliance to point of discharge

Ventilation Data, Ductwork and Equipment including the following information

- Indicate air distribution devices and show CFM for all supply, return and exhaust devices
- Plans shall show layout, ventilation and exhaust calculations, schedules, supply and exhaust ductwork Materials and any other information required to complete the building's HVAC system
- Construction of ducts, including support and sheet metal thickness
- Duct lining and insulation materials with flame spread and smoke-developed ratings
- Exhaust fan ductwork layout and termination to the outside
- Location and size of all louvers, penetrations and fans
- Chimney and chimney connector or vent and vent connector details, clearances and chimney termination

**ALL COMMERCIAL PLANS SHALL BE SIGNED AND SEALED
BY A PENNSYLVANIA LICENSED DESIGN PROFESSIONAL
NO EXCEPTIONS**