



ADA COUNTY DEVELOPMENT SERVICES

Building Division
200 W. Front Street
Boise, ID 83702
208-287-7900 Fax 208-7909

Application and Plan Requirements for a Commercial Mechanical Permit.

The following is a list of required submittal items for obtaining a commercial mechanical permit. This list is by no means all-inclusive, and is not a guarantee. It is merely intended to help you minimize the amount of time that it takes to get a mechanical permit by increasing the completeness of your submittals.

1. Plans must be prepared and stamped by a licensed design professional licensed to practice in the State of Idaho. Idaho State Statutes Title 54 chapter 3 section 54-308(3)
2. Applicant shall provide three sets of submittal documents. International Mechanical Code (IMC) section 106.3.1.
3. Submittals shall show the following information in sufficient clarity to determine code compliance.
 - a. Contract bid price.
 - b. All appliances to be installed will be listed and labeled.
 - c. Duct sizing calculations.
 - d. Ducting, including supply and return, insulation, duct sealing.
 - e. Combustion air, return air, and outside air.
 - f. Heating and cooling load calculations.
 - g. Energy efficiency of the equipment. (COMcheck™)
 - h. Manufacturer's installation instructions if applicable.
 - i. Location of appliances.
 - j. Gas piping diagram and total number of gas piping outlets.
 - k. Details of penetrations of fire resistive assemblies by ductwork, pipes or any other penetrating items.
 - l. Details of ventilation including location of exhaust and air intake openings in relationship to property lines, intake openings in relationship to sources of hazardous or noxious contaminants and protection of outdoor exhaust and intake openings.
 - m. Details of exhaust systems including hazardous exhaust, lead acid battery rooms, welding hoods, commercial cooking hoods, hazardous production materials, required fire suppression systems, etc.
 - n. Type of chimney or vent used to convey and discharge products of combustion to the outdoors.
 - o. Details of bracing, lateral, seismic and gravity, combinations of these loads, and support for equipment and ducts.
 - p. Required clearances from appliances to combustible construction.
 - q. Condensate drains, piping, discharge, support, auxiliary drains, drain pans, water level indicating devices and associated shutoffs, and listings for these devices.
 - r. Details of process piping, boilers, water heaters, Hydronic heating systems, fuel oil piping and storage, solar systems.
 - s. Access to equipment, ladders, service passageway, access holes, service platform, service light and outlet.
 - t. Clearances and service space for all appliances.
 - u. Shutoff switches or appliance disconnects.

- v. Location and listings for any smoke and fire dampers.
- w. Cutting notching or boring of structural members.
- x. Structural design showing that the roof structure will support the weight of the equipment.
- y. Details of connections of equipment to curbs, and curbs to structure including attachment for resistance to uplift and overturning.

These comments are based on the 2009 IMC and International Fuel Gas Code and are void upon adoption of a newer code.