

INSTRUCTIONS - APPLICATION FOR PLAN REVIEW

Plan reviews are required for boilers and pressure vessels.

Plan reviews are not required for piping installations.

The plan review process is our effort to help architects, engineers, and installation contractors meet applicable codes. Time, money, and labor is wasted when a new installation does not meet code and must be redone, sometimes extensively, before it can be put in to service. Quite often manufacturer's brochures, architect's plans and engineer's specifications do not give specific detail about installation, but simply state that the work must be done to applicable code. It is the installer's responsibility to achieve this, while adhering to the customer's contract.

815 KAR 15:027 Section 4 states that "Prior to the construction and installation of any boiler or unfired pressure vessel, the installing contractor shall submit shop drawings and fees for the installation to the chief boiler inspector of the office for review and release for construction".

Depending on how this requirement is interpreted, it could have many meanings, and thus many outcomes. Our experience is that many people interpret it in many ways, and some provide the intended information, and some do not. Therefore, we hope to outline what is wanted in a plan.

WHAT WE DO WANT:

- 1) DESCRIPTION - A brief description of the work being done. What you are installing, how many, etc. A product photo from a brochure or web photo would be nice.
- 2) FLOORPLAN - A basic floorplan of the boiler room, or area that the object will occupy. Include locations of emergency stop switches where required.
- 3) CLEARANCE - Clearance, clearance, clearance. Make SURE you show proper clearance on all service sides, including access ways to service sides. A service side includes any side (or area of a round vessel) where the data plate, pressure relief valve, or gauges and controls may be. Pay attention to piping configuration, as even if the vessel itself has enough clearance, the piping may reduce the clearance and thus fail inspection.
 - a) 24" minimum on any service side
 - b) 60" minimum in front of any manway
- 4) CONTROLS & SAFETY APPLIANCES – Safety valve, water glass, pressure gauge, flow switch, etc.
- 5) COMBUSTION & VENTILATION AIR – Show air connection to outside of building. If direct ducted combustion air, please show direct duct as well as ventilation air connection.

WHAT WE DON'T WANT:

- 1) HUGE PLAN SETS – These large rolls of plans for a project do give information about the boiler room, but also give the complete building details including the receptionist desk, parking lot lighting, third floor cafeteria, and landscape detail. Large plans are OK, but please limit them to only the boiler and boiler room detail, or the area of interest.
- 2) TINY PLAN SETS - These plans are photocopied from huge plan sets and require a microscope to see the details.
- 3) ELECTRONIC PLAN SETS – We do not have the capacity to adequately print as needed.
- 4) BUILDING PIPING LAYOUT – We will accept a piping layout, but don't need it.

5) HAZARDOUS MATERIAL & FUEL GAS STATIONS – These installations should be reviewed by the Fire Marshal’s Office. The boiler office will issue installation permits based on a review letter from the Fire Marshal.

NOTE: If you are an installer of “routine” installations, such as a CO2 tank, a hot water heater, etc. it is advisable to create a “standard” plan that can be used for multiple locations that are very similar.

NOTE: A plan can be computer CAD made or drawn by hand. It doesn’t matter to us as long as we can understand it.

NOTE: A reviewed plan is not a guarantee that your installation will pass inspection. It is only a tool that is used to help pass inspection. Items marked “not shown” or “not in compliance” means that the reviewer has noticed something that you should pay attention to. The field inspector has the final decision.

