

Serving the Cities of Kent, Covington and King County Fire District 37

Industrial Baking and Drying Ovens

Please print in Black ink only

Scope

This checklist pertains to the design and construction of industrial baking and drying ovens where flammable or combustible vapors may be burned in the drying process or found in the exhaust plume.

Minimum Requirements for Construction Drawings

Plans which do not contain the minimum information required will not be accepted for plan check. Plans shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show that it will conform to the provisions of the adopted International Codes and ordinances.

- Three (3) copies of plans (24" x 36", or 30" x 42") must be submitted for review.
- Copies shall **all** be the same size.
- Working Drawings -scale to 1/8" = 1'.
- Shall be drawn in indelible ink.
- Sheets that are cut and pasted, taped, or that have been altered by any means (pen, pencil, marking pen, etc.) **will not** be accepted for plan check.
- Site Plans – scale to 1" = 20' or 1" = 40'
- Washington State law requires that any registered professional who prepares or supervises the preparation of drawings and construction documents stamp and sign such documents.

Project Name

General

- | Yes | No | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Owner's name, address, telephone number. |
| <input type="checkbox"/> | <input type="checkbox"/> | Occupant's name, address, telephone number, if different from owner. |
| <input type="checkbox"/> | <input type="checkbox"/> | Contractor's name, address, fax number, telephone number and Washington State Contractor's license number. |

Documentation One Set

- | Yes | No | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Type of construction and occupancy classification of building. |
| <input type="checkbox"/> | <input type="checkbox"/> | Copy of standard "Furnace or Oven Manufacturer's Application for Acceptance." |
| <input type="checkbox"/> | <input type="checkbox"/> | Calculations showing ventilation rates. |

Working Drawings

- | Yes | No | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Location in building where baking and drying oven is installed, showing clearances from combustibles. |
| <input type="checkbox"/> | <input type="checkbox"/> | Detailed cross-section of floor on which oven is installed. |

Working Drawings (cont.)

- Type of oven construction showing:
 - Method to prevent exterior surface temperature reaching 160°F.
 - Type and amount of insulation used in panel construction.
- Method and calculations of explosion control.
- Location, size and material construction of exhaust ducts, including termination of ducts in relation to building openings.
- Location, size and type of fresh-air ventilation equipment.
- Type, location, make, model and operational sequence of safety controls, including,
 - Ventilation interlock controls,
 - Fuel-safety interlock controls,
 - Excess temperature controls, and
 - Conveyor interlock controls, if applicable.
- Type and location of fuel source.
- Type of automatic fire and explosion suppression, if applicable.
- Make, model and location of continuous vapor concentration indicators and controllers.

Please read the information below and sign before submitting your application

Your application shall be deemed complete only if this checklist is completed and submitted along with the submittal package. Submittals not accompanied by a checklist will not be accepted. Accuracy of the submittal package, including this checklist, is the responsibility of the applicant. Failure to submit an accurate submittal package will be considered an incomplete application by the Plan Reviewer. An incomplete submittal will result in a HOLD. A Re-submittal (new submittal package) will be required and always results in a delay.

I have checked the applicable boxes and have included those requirements in my submittal.

Print Name

Signature