

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

Flammable/Combustible Liquid Use, Dispensing and Mixing Rooms

Please print in Black ink only

Scope

This checklist pertains to the design and construction of facilities where flammable and combustible liquids are mixed, used or dispensed in quantities exceeding the exempt amounts.

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 and fax numbers. |
| <input type="checkbox"/> | <input type="checkbox"/> | Project location, including street address. |
| <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"/> | Description and quantity of material(s) to be used, mixed or dispensed, including container size, type and whether in open use or closed piping system. |
| <input type="checkbox"/> | <input type="checkbox"/> | Completed Fire Department Hazardous Materials Inventory Statement. |
| <input type="checkbox"/> | <input type="checkbox"/> | Fire sprinkler system design density. |
| <input type="checkbox"/> | <input type="checkbox"/> | Calculations to establish adequacy of drainage control and/or secondary containment systems. |

Documentation (cont.)

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Explosion control design method and calculations. |
| <input type="checkbox"/> | <input type="checkbox"/> | Make, model, type and rating of leak-detection devices used in conjunction with secondary containment systems. |

Working Drawings Site/Room Design

- | Yes | No | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Site plan scale to 1" = 20' or 1" = 40', floor plan and full height cross section of building and use, dispensing or mixing room. |
| <input type="checkbox"/> | <input type="checkbox"/> | Floor plan detail showing specific location where use, dispensing or mixing will occur and area/occupancy separations, aisles, floor openings and exits. |
| <input type="checkbox"/> | <input type="checkbox"/> | Make, model, type and rating of ventilation equipment for room. |
| <input type="checkbox"/> | <input type="checkbox"/> | Design and installation details of fire extinguishing system. |
| <input type="checkbox"/> | <input type="checkbox"/> | Location and rating of portable fire protection equipment, including fire extinguishers. |

Spill Control/Drainage Control /Secondary Containment

(See explanation below)

- | Yes | No | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Floor plan and section of method to achieve spill control. |
| <input type="checkbox"/> | <input type="checkbox"/> | Floor plan and section of method to achieve spill control and secondary containment. |
| <input type="checkbox"/> | <input type="checkbox"/> | Detailed design of drains, pipe, fittings and collection method of drainage control. |
| <input type="checkbox"/> | <input type="checkbox"/> | Design and method to achieve neutralization or treatment. |
| <input type="checkbox"/> | <input type="checkbox"/> | Design and method to achieve secondary containment. |
| <input type="checkbox"/> | <input type="checkbox"/> | Design and location of overflow from neutralizer or treatment system or secondary containment. |

Product Transfer

- | Yes | No | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Method to achieve bonding and grounding of vessels within the room. |
| <input type="checkbox"/> | <input type="checkbox"/> | Description, make model, type and rating of any heating or electrical equipment within the room. |
| <input type="checkbox"/> | <input type="checkbox"/> | Location, material, type of piping, joints, fittings and pumps used in the room. |
| <input type="checkbox"/> | <input type="checkbox"/> | Method to provide overpressure relief of positive displacement pumps. |

Note:

Spill Control

- Spill control in flammable liquid use, dispensing and mixing rooms is to prevent spilled liquids from flowing out of the room.

Drainage Control

- Drainage control in flammable liquid use, dispensing and mixing rooms is achieved by piping spilled liquids and fire protection water to an approved location or treatment system with overflow protection, or by providing secondary containment.

Secondary Containment

- Secondary containment in flammable liquid use, dispensing and mixing rooms is achieved by piping spilled liquids and fire protection water to an approved location or containment system, or by sizing the spill control to provide adequate containment and is provided with overflow protection.

**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