

Electronic Plan Standards

File Naming Standards:

Electronic plans and documents shall be named as specified in the City of Vancouver [ePLANS](#) system:

<https://www.cityofvancouver.us/business/permits-licenses-and-inspections/eplans/>



Acceptable File Types:

Plans, calculations, specifications and supporting documents shall be uploaded as a PDF file.

Plan Sheet Standards:

All plans shall be drawn to scale, as identified in the checklist, and each sheet shall state the scale and show a measurable scale on the page for measurement calibrations.

Document Orientation:

All plans must be uploaded in "Landscape" format in the horizontal position with a north indicator. All other documents can be in "Portrait" format.

Stamped:

Where documentation contains a code analysis or engineering calculations, such documents shall be stamped by the design professional.

Minimum Submittal Checklist for Upload to ePLANS

- Completed Fire Construction Permit Application – Gates and Barricades (this document) Check all *Permit Conditions* checkboxes that are applicable to your project
- Supporting documents listed below (See *Document Details* below)
- Site plans and floor plans (see *Plan Details* below)

Document Details

- Listing documents for all proposed equipment to be used.
- Narrative explaining the processes and hours per day in use. (e.g. continuous, intermittent, less than 5 times per day, etc.)
- Narrative of scope of work for the gate or barricade being constructed

Plan Details

The following is a list of information required on all plan submittals for review of a gate or barricade permit. The plan shall be drawn to 1/8" = 1'-0" minimum scale. The applicant is required to submit all this information so an accurate and timely review may be done:

- Site plan indicating the location of the installation, setbacks from property lines, existing and proposed driveways, roads, sidewalks, shoulders, buffers, medians, etc., right-of-way, future right-of-way, property lines, easements, and street names
- Adjacent parcel numbers or addresses, any adjacent fire hydrants, gate dimensions and opening clearances when gates are fully opened. Minimum 20-foot clearance width required for single gates, 15-foot clearance on each side of divided gates, or 15-foot clearance for one-way lane gates.
- Provide equipment specification sheets showing the following:
 1. Electric gate openers being listed in accordance with UL 325
 2. Gates intended for automatic operation shall be designed, constructed, and installed to comply with the requirements of ASTM F2200.
- Routine emergency access provisions
 1. Knox Key Switch
 2. Opticom Strobe Switch (required where multiple family dwellings are accessed through a gated fire lane).
- Adjacent pedestrian access if present.
- Detailed description of the gate motion (manual or automatic) and direction illustration (lift, swing in, swing out, roll to side)
- Location of gate controls and location of Knox key switch(s) or Opticom strobe switch(s) for fire department use

- Show vehicle turn radius dimensions as measured from the center line of the access cross street.
- Method of emergency manual operation describing how to open the gate(s) during power outages.

Permit Conditions

The following is a list of WSFC requirements related to gates or barricades installations. Use this form to confirm that all applicable requirements are met. Non-applicable requirements can be left blank.

General:

- Where the installation and maintenance of gates or other approved barricades is accepted across fire apparatus access roads, trails or other accessways, electric gate operators, where provided, shall be listed in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed, and installed to comply with the requirements of ASTM F2200 (503.5)
- Roads, trails and other accessways that have been closed and obstructed in the manner prescribed by WSFC 503.5 shall not be trespassed on or used unless authorized by the owner (503.5.1)
Exception: The restriction on use shall not apply to public officers acting within the scope of duty.
- Where security gates are installed, they shall have an acceptable means of emergency operation. The security gates and the emergency operation shall be maintained operational at all times (503.6)

Note:

The City of Vancouver may require additional permits for transportation review, solid waste, etc.

I understand that all applicable codes apply and that other regulatory codes may also apply. Errors and/or omissions on the plans and corrections from field inspections are the responsibility of the owner/contractor. All work is subject to compliance with City of Vancouver ordinances and laws of the State of Washington.

APPLICANT NAME: _____ APPLICATION DATE: _____

APPLICANT SIGNATURE: _____