

Supplemental Requirements for Single-Stack Vent Systems

Document P-20

Last Updated 3/8/2024

1. Plumbing Permit Application

In addition to the minimum plan review submittal requirements listed within the [Plan Review Design Guidance](#), the following supplemental information shall be provided at the time of plan submittal for any project proposing to employ a proprietary Single Stack Vent system (Sovent, Provent, etc.):

- A. A completed and signed [Alternate Material, Method, or Modification Request Form](#) (AMMRF).
- B. A clear and legible pdf copy of the product manufacturer's most recent design and installation manual used for the design of the project.
- C. A letter indicating the name, title, and qualifications (PE or CPD) of the design professional(s) authorized to perform required on-site inspections of the Single-Stack Vent system installation on behalf of the permit Applicant.

Note: This letter shall be kept on site and a copy provided to the PHSKC plumbing inspector upon request.

- D. An inspection sign-off matrix including columns and rows identifying specific parts of the overall system and the different stages of inspection. Sign-off boxes shall be provided for both the system Designer or Engineer of Record, *and* the PHSKC plumbing inspector (see example in item #4 below).

Note: Individual parts of the system must be inspected and signed off by the designated Designer or Engineer of Record prior to being signed off by the PHSKC inspector.

- E. A letter from an authorized product manufacturer's technical engineer stating they have reviewed and approved the proposed plumbing design and associated design documents. This letter shall include the project name, address, and the issue date of plans reviewed.

Note: If any part of the Single Stack Vent system design is modified after the date of this review (either in the design or plan review process), an updated letter from the manufacturer's representative shall be provided stating they have reviewed and approved the final design prior to construction.

2. Plumbing Design Documents

Plans submitted for review shall include:

- A. The name of the manufacturer of the Single Stack Vent system components.
- B. A list of parties associated with the system design and installation (Designer/Engineer of Record, Contractor, Owner, etc.). Contractor information not required if unknown at the time of submittal.
- C. A reference to applicable sizing criteria and any manufacturer's sizing or DFU loading tables.

At the discretion of the Applicant, submitted design documents may also include:

- D. Manufacturer specific installation details, sizing charts, and notes

Note: Details, notes, and other proprietary manufacturer information is considered 'For Reference Only' and will not be stamped by PHSKC. Please ensure this information is provided on a separate sheet marked 'For Reference Only'.

3. Designer Qualifications

The Design Professional responsible for the design and on-site inspections of the Single Stack Vent system shall be either a Washington State registered professional engineer (PE), or an individual holding an active Certified in Plumbing Design (CPD) designation issued by the American Society of Plumbing Engineers (ASPE).

4. Sample Inspection Matrix

The following example includes information required to be included in the inspection sign-off matrix provided at the time of permit submittal. The Applicant may adjust the format of this matrix as needed or preferred:

[illegible]

For additional information regarding any of the requirements outlined within this document, please send an inquiry to: planreviewinfo@kingcounty.gov