SUMMIT FIRE & EMS

PO Box 4910
Frisco, CO 80443
(970) 262-5100
www.summitfire.org

Standpipe Plan Submittal Checklist

Effective Date: January 1, 2026
Project Name: _____
Project Address: _____

All plan submittals must include this completed checklist and be uploaded through AccessGov. Submittals shall comply with:

- 2025 NFPA 14
- 2024 International Fire Code
- Summit Fire & EMS (SFE) Life Safety Policy
- 2024 SFE Amendments
- All other applicable ICC and NFPA codes

Incomplete submittals will be marked as **"Corrections Required"** and must be resubmitted with applicable fees.

I. General Submittal Requirements

☐ Plans and hydraulic calculations are signed by a P.E. or NICET Level III or higher.
☐ Electronic plans are submitted in flattened, unsecured PDF format, and cut sheets of the devices being used are to be highlighted.
☐ Building construction type, separation requirements, and intended occupancy use are identified.
☐ Total building square footage (all levels) and calculated fire flow per IFC Appendix B are included. Fire flow may not be reduced by more than 50% due to sprinkler installation.
☐ Fire hydrant locations (existing or proposed) and distances are shown per IFC Appendix C.

II. System Design and Installation

☐ Hydraulic calculations include a 10% or 10 psi safety margin (whichever is greater) between system demand and water supply. SFE will provide the hydrant data source. Contact SFE for further information.
☐ The Fire Department Connection (FDC) is accessible and protected by a 3' wide concrete path or an

AHJ-approved alternative material.

☐ Knox FDC Caps are installed on commercial occupancies as required by the AHJ.

☐ Pipes entering the building through concrete or masonry include a 1" minimum protected gap to prevent abrasion.

☐ The maximum design distance from any hose connection must not exceed 140 feet and 100 feet from a fire hydrant.

☐ Hose connections in stairwells shall be placed on the intermediate landings.

III. NFPA 14 Acceptance Test Procedures

The purpose of the acceptance test is to verify the system's hydraulics and that it meets the minimum requirements of the most current edition of NFPA 14. The AHJ may decide to conduct this test. It is recommended that it be scheduled at least three weeks in advance. The test is labor-intensive and requires multiple SFE personnel. SFE can supply a fire engine for a fee to use for the test. The fee is $500 dollars for rental of the fire engine. SFE will provide the personnel and the necessary hose to get water from the hydrant to the engine and any hose to tie the engine to the FDC. The engine will supply water to the FDC at 150 psi as measured from valve of the discharge on the engine.

The Permit holder is responsible for:

1. Enough personnel open all necessary valves and monitor flow throughout the test

2. Hose needed from the standpipe valve connection to move water away from the structure.

3. Any hose monster or diffuser needed

4. Measuring devices used to show the flow of water in GPM. Pitot gauge or flow meters are acceptable. It is highly recommended that for the test, any pressure gauges used to verify GPM should by 3.5 inches or larger and should read no higher than 50 PSI. This will ensure a more accurate measurement of pressure.

Final Review:

☐ Submittal Accepted ☐ Corrections Required ☐ Resubmittal Received

Applicant Acknowledgment:

By signing below, I acknowledge that I have read and understood all permit submittal requirements outlined in this checklist. I certify that all submitted materials meet the specified codes and standards to the best of my knowledge.

Applicant Signature: _____

Printed Name: _____

Company: _____