



# Athens-Clarke County Fire & Emergency Services



## 3.1.6 Standpipe Plan Review

Reviewer: \_\_\_\_\_

Date: \_\_\_\_\_

Job Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Zip: \_\_\_\_\_

Complex Name: \_\_\_\_\_

### General Building Information

Construction Type: \_\_\_\_\_ Stories? Height (ft): \_\_\_\_\_

Company Name: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_ - \_\_\_\_

Contact Email: \_\_\_\_\_

State License # \_\_\_\_\_ Type of System:

- Automatic Wet       Manual Wet
- Automatic Dry       Manual Dry

Sprinkler System: 13:  13R:  N/A:  Voice Evacuation Y:  N:  N/A:

Fire Pump Present: Y:  N:  N/A:  Special Locking Arrangements Y:  N:  N/A:

Fire Alarm Present: Y:  N:  N/A:

Review Date: \_\_\_\_\_ Approved      or      Disapproved

**NOTE: The designer must complete the form before plans are reviewed.**

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700 College Avenue

Athens, Georgia 30601

(706) 613-3364

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**Honesty**

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**Teamwork**

**Professionalism**

**Camaraderie**



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GENERAL INFORMATION	OK	Absent
1. Provide cut sheets for all equipment used. (PRV's, Hose Valves)		
2. Provide a legend for all devices with quantities on the plans.		
3. Hose valve locations shall be unobstructed and from 3'-0" to 5'-0" off the floor.		
4. Hose valve connections located in stairways must be placed on intermediate levels.		
5. Equipment must be listed for the rated pressure on the system.		
6. Hydrant to be within 100' of each FDC		
7. Each standpipe must have a means of draining. A drain valve and piping located at the lowest point of the standpipe piping downstream of the isolation valve must be provided to discharge water at an approved location. (sizing in accordance with NFPA 14)		
8. A permanently installed 3" drain riser shall be provided adjacent to each standpipe equipped with a pressure-regulating device to facilitate tests of each device.		
9. Each hose outlet must have a 2-1/2" national standard thread valve and cap.		
10. All high-rise buildings must have two remote FDCs showing both locations.		
11. Provide hydraulic calculations that can be accurately reviewed. Calculations must provide a minimum of 100 psi residual pressure while flowing 500 gpm. (Must clearly show all hydraulic nodes used and completely calculate back to the main pressure source)		
12. Provide isolation valves so any standpipe can be isolated without interrupting the supply to other standpipes for the main supply. Show all isolation valve locations on your plans.		
13. When the most remote portion of a non-sprinklered floor or story is located in excess of 150 travel distance, additional hose valves must be provided. When a sprinkled building's most remote portion is in excess of 200' of travel distance, additional hose valves must also be provided.		
14. Must have rooftop hose outlet. Provide details and show the location.		
15. The FDC must be downstream of any Fire Pumps and no valves between. (provide detail)		
16. Show the type and locations for all hangers and pipe support. (provide detail)		
17. Show a cross-section of how the pipe will be running to scale and indicate where the sprinklers are fed.		
18. All Fire Rated Penetrations need to be shown on the plans. Provide a detailed and listed design number. ( must have a general note if not applicable)		
19. Provide a means of draining all low points of the system piping.		
20. Provide a Plan View to scale. Standpipe, hose valves & PRVs do not impede the path of egress.		

**The above is not an all-inclusive list - Plans must meet all NFPA, International Fire Code, and State of Georgia requirements. Please refer to Chapter 120-3-3, Rules and Regulations of the Safety Fire Commissioners website.**

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