



Athens-Clarke County  
Fire and Emergency Services  
Fire Marshal's Office  
3.1.1 Alarm Plan Review



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

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

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

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

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

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

General Building Information

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

Fire Alarm Company: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_ - \_\_\_\_

State License # \_\_\_\_\_ Expires: \_\_\_\_\_

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

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

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

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) 613-3365  
Fire.Marshal@accgov.com

**Honesty**

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DRAWING SUBMITTAL REQUIREMENTS	OK	Absent
1) Email the checklist, drawings, equipment technical data sheets, voltage drop calculations, battery calculations, and scope of work letter to <a href="mailto:fire.marshall@accgov.com">fire.marshall@accgov.com</a> (NFPA 72.7.2.1)		
2) Drawings must be to scale with a graphic scale (1/8" = 1 ft scale is preferred)		
3) Label all rooms according to their proposed use. (NFPA 72.7.2.1)		
4) Provide legend/key for all fire alarm components and include the quantities; the fire alarm symbols must comply with the 2019 edition of NFPA 170 (NFPA 72: 7.2.3)		
5) Indicate the person responsible for the system design on the drawing (NFPA 72: 7.2.2)		
6) Provide a low voltage certification with name & and license # and include an original signature of the license holder on the drawings		
7) Provide a riser diagram (NFPA 72: 7.2.1(2))		
8) Provide a sequence of operations in an input/output matrix (NFPA 72: 7.2.1(4))		
9) Provide a wiring legend (specify wire type and size) and show point-to-point system wiring and EOLR locations. Note: SLC, NAC, or other circuits shown in different colors is preferred		
10) Provide penetration details for fire barrier/walls or smoke barriers; must indicate if wiring is in a plenum space		
11) Show the location of FACP and remote power supplies with smoke detectors		
12) Provide surge protection for all circuits entering/exiting a building (NFPA 72: 27.7.3)		
13) Show the documentation cabinet for new fire alarm systems (NFPA 72: 7.7.2.1)		
14) Show the location of the Knox Box and the fire alarm annunciator; the annunciator must be within 10 ft of the main fire department entrance.		
INITIATING DEVICES		
15) Show the location of manual fire alarm boxes where required (NFPA 72: 17.15); provide additional manual fire alarm boxes every 200 ft of travel (NFPA 72: 17.15.9.5)		
16) Show the location of smoke detectors where required by NFPA 72 and NFPA 101		
17) Show the location of detectors in air duct systems; Note: Detectors located in air ducts shall report as supervisory only (NFPA 72: 17.7.5.4.2)		
18) Show the location of other smoke sensing detectors (i.e., beam detectors or air sampling smoke detectors) (NFPA 17.7)		
19) Show the location of smoke detectors for the operation of smoke dampers		
20) Show the location of heat detectors in elevator shafts with sprinklers and where required by code or due to weather conditions.		
21) Show the interface with the kitchen hood/suppression system (NFPA 72: 17.14)		
22) Show the location of sprinkler flow switches for electronic monitoring (NFPA 72: 17.13)		

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INITIATING DEVICES	OK	Absent
23) Show the location of other automatic extinguishing systems (i.e., clean agent system or foam system) (NFPA 72: 17.13)		
24) Show the location of all tamper switches for electronic monitoring of all sprinkler control valves, including the PIV (County Ordinance Section 54 and NFPA 72: 17.17.1.1)		
25) Provide pressure supervisory signal-initiating device and off-normal signal for pressure increases and decreases for dry-pipe sprinkler system (NFPA 72: 17.17.1.1)		
26) Provide monitoring of the fire pump per NFPA 20, including pump running, loss of phase, and phase reversal (NFPA 72: 23.8.5.9)		
NOTIFICATION APPLIANCES - AUDIBLE		
27) Provide audible notification to attain 15 dB above the average ambient sound level throughout the building or space (NFPA 72: 18.4.4.1). <b>Note:</b> The required sound level must be noted on the drawing and documentation per NFPA 72: 7.3.4.3 must be provided <sup>4</sup>		
28) Provide audible notification at a minimum of 75 dB measured at the pillow level in sleeping areas (NFPA 72: 18.4.6.1). <b>Note:</b> Audible appliances must be provided in every sleeping area to attain the required sound level <sup>4</sup>		
29) Show the location of speakers with wattage tap where the building is required to have a Fire Emergency Voice/Alarm Communication System (i.e., assembly occupancies with 300 or more occupants or high-rise buildings)		
30) Provide a note on the drawing to state that the intelligibility of the voice evacuation system will meet the requirements of NFPA 72 Chapter 24 (NFPA 72: 24.4.2.2.1)		
NOTIFICATION APPLIANCES - VISUAL		
31) Show the location of visible appliances (strobes) and indicate the candela rating		
32) Show the height of strobes mounted on the wall (NFPA 72: A.18.5.5.1)		
33) Indicate the ceiling height for ceiling-mounted strobes		
34) Provide strobe spacing in rooms (NFPA 72: A.18.5.5.5(C))		
35) Provide a note on the drawing regarding strobe synchronization where two or more strobes are in the same field of vision (NFPA 72: 18.5.5.5.(2))		
36) Locate strobes in corridors not more than 15 ft from the end of the corridors and not more than 100 ft between strobes (NFPA 72: 18.5.5.6.5). Note: Corridors exceeding 20 ft in width must use the spacing requirements of NFPA 72: 18.5.5.5		
37) Provide strobes in sleeping areas where required per Table 18.5.5.7.2 (NFPA 72: 18.5.5.8)		
38) Provide visual notification in office spaces greater than 300 sq ft. or two or more workstations (2010 ADA)		

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EMERGENCY CONTROL FUNCTION INTERFACES	OK	Absent
39) Provide initiating devices in areas for elevator recall as required by ANSI/ASME A17.1/CSA B44 (NFPA 72: 21.3.1)		
40) Provide lobby smoke detector within 21 ft of the centerline of the elevator bank for elevator recall (NFPA 72: 21.3.5.1)		
41) Provide smoke detectors in sprinklered hoistways (NFPA 72: 21.3.7). Note: Smoke detectors shall not be installed in unsprinklered elevator hoistways unless they are installed to activate the elevator smoke relief equipment		
42) Show the location of all doors on hold opens with compliant smoke detector location per NFPA 72: 17.7.5.6 (NFPA 72: 21.8). <b>Note:</b> Smoke detectors for door release to only report as a supervisory signal.		
43) Show the location of electrically locked doors (i.e., magnetic locks or access-controlled doors) (NFPA 72: 21.9)		
SUPERVISING STATION ALARM SYSTEMS		
44) Provide a note on the drawing stating how the fire alarm system will be monitored by a supervising station (NFPA 72: Chapter 26)		

<sup>1</sup> The above is not an all-inclusive list; all applicable codes for fire alarm systems must be met

<sup>2</sup> Special locking arrangements include access control doors, delayed egress locks, and elevator lobby exit access door assemblies

<sup>3</sup> A key plan must be maintained at each FACP and the sprinkler riser room where multiple FACP's on the premises are connected to a single flow switch

<sup>4</sup> An audible sound level test report is required to be provided to the Life Safety Inspector

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