



DEKALB COUNTY FIRE RESCUE DEPARTMENT
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2002 NFPA 72 FIRE ALARM REVIEW REQUIREMENTS

<input type="checkbox"/> Please Comply with Comments Approval subject to field inspection	J. C. Ellison Fire Protection Engineer Phone: (404) 371-4963
<input type="checkbox"/> Disapproved/Resubmit	
Project Name: Physical Address: Project No.: Date Received: Date Reviewed:	Low Voltage Alarm/Unrestricted Contractor Information:

Please provide the following:

- I.** Three legible, maximum D-sized sets of initial submittal or revised re-submittal drawings which include:
- Low voltage electrical contractor's license number, name & signature on plan and permit application (see OCG 43-14-8.1; 121-2-.04(1), 2006 IFC 102.10.2 in 120-3-3, 2002 NFPA 72:4.3.2.2).
 - Plans drawn to an architect's scale (preferably $1/8"$; or $1/4": 1'-0"$), and indicating on plan the building's total area and height with square footage for the scope of work (see 120-3-3, 2006 IFC 102.10.2, 907.1.1).
 - Identification of all areas within proposed occupancy by intended usage (see 2002 NFPA 72:4.5.1.1).
 - Denoting full height walls, actual height of partitions, projection depth of ceiling treatments, actual height of ceilings above finished floors (for ceiling mounted notification devices), per 2002 NFPA 72: 4.5.1.1.
 - (See 2002 NFPA 72:4.5.1.1) Incorporating a legend which –
 - identifies by distinct symbols, manufacturer's name & model number, the quantity and location on each sheet, of each device comprising this proposed alarm/detection system.
 - distinguishes between all new, relocated and/or existing devices connected to this proposed system.
 - Compliance with applicable provisions of each of the following:
 - 2000 N.F.P.A. 101 (LIFE SAFETY CODE), including Sect. 9.6: Fire Detection & Alarms, and also Occupancy Chapter, Sect. 3.4: Detection, Alarm, and Communication.
 - 1997 GAC 120-3-20 (GEORGIA ACCESSIBILITY CODE), including Sect. -.38: Controls, and -.39: Fire Alarms.
 - 2002 NFPA 72 (NATIONAL FIRE ALARM CODE).
 - 2006 IFC, including Sec. 901.6 (testing & inspections) and 901.3 (permits).
 - Device manufacturer's installation specifications, per '02 NFPA 72:4.4.4 and 2006 IFC 901.4.2

II. Revised re-submittal documents shall include each of the following:

- Penetration protection of all fire rated wall and floor/ceiling assemblies, per 2000 NFPA 101:8.3.6, and 2002 NFPA 72:A.4.4.4.2.1 (5).
- Product data for all equipment, each identifying specific models selected, per 2006 IFC 901.2.
- Equal number of devices provided in submittal documents/bill of materials and the number of devices shown on plans submitted for this system, per 2002 NFPA 72: 4.5.1.1.
- Submittal documents which include compatibility documentation between FACP (Mfr: _____ & model: _____) and initiation devices from different manufacturer, per 2002 NFPA 72: 4.4.2.
- Detection of other fire protection system(s), per 2002 NFPA 72: 5.11.
- A Detailed Description** of the system inputs, evacuation signaling, intended sequence of operations, ancillary functions, expansion capability limitations, annunciation characteristics, per 2002 NFPA #72: 4.4.4.2.1(13). Description may be either narrative, table (see 2002 NFPA 72:A.10.6.2.3 (9) for sample), or graphical.
- Battery calculations and current draw details that specify capacity and number of batteries, additions/modifications, and that equal the device count given on the bill of materials and the number of devices shown on plans, per 2002 NFPA #72: 4.5.1.1 (7).
- Annunciator details & cut sheets, per 2000 NFPA 101: Occupancy chapter, sect. 3.4.1.
- Both audible & visible notification devices, per 2000 NFPA #101: 9.6.3.
- Minimum 75 candela visible warning device throughout all common use areas, per '97 Georgia Accessibility Code (G.A.C. 120-3-20-.39(3) (G)).
- Synchronization of more than two visual warning devices within the same field of view, per 2002 NFPA #72: 7.5.4.1.2.

III. Corrected plans, which include:

- Complete details of fire alarm system and equipment on plans, per '02 NFPA 72: 4.5.1.1 & 4.4.5.1.1, including ceiling heights and candela selected for visual warning devices.
- Warning devices relocated to comply with placement requirements per '02 NFPA 72:7.5.4.1.1 (also see 7.5.4.4.1-sleeping areas).
- Smoke detection protection for control equipment in non-attended enclosure(s), per '02 NFPA 72:4.4.5.
- Additional strobes/spacing to provide coverage per '02 NFPA 72: 5.5.2, 7.4.2, and Table 7.5.4.1.1(a) or 7.5.4.1.1(b).
- Strobes within 15' of the ends of each corridor, per '02 NFPA 72: 7.5.4.1.1; verify non-obstructed sight-line(s) within corridor. All areas required to have a visual signal appliance shall be within 50' of signal, per '97 GAC 120-3-201-.39 (GHz).
- To schedule test/inspection, please call (in DeKalb); 404-371-3010; to schedule test/inspection for incorporated areas within DeKalb, please call 404-371-2611, per '02 NFPA 72:10.6.2.3.
- At time of inspection provide finished record of completion form Figure 4.5.2.1 per '02 NFPA 72:4.5.1.3, owner's manual, per '02 NFPA 72:10.4, and equipment submittal which includes compatibility documentation between FACP (Mfr: _____ & model: _____) and initiation devices from different manufacturers, per '02 NFPA 72:4.4.2 (see '02 NFPA 72:4.3.1).

IV. Miscellaneous: Provide or verify EACH of the following:
