



DEKALB COUNTY FIRE RESCUE DEPARTMENT
Darnell D. Fullum, Director/Fire Chief
Fire Marshal Division-Chief Antonio Burden, Fire Marshal
330 West Ponce De Leon Avenue, Decatur, Georgia 30030
Phone: 404-371-2776 Fax: 404-687-2430



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:

120-3-3 effective 1/1/2015 at www.gainsurance.org are Georgia's Minimum Fire Safety Standards, enforced by the DeKalb County Fire Marshal's Division in accordance with OCG 25-2-12(a)(2). Construction must comply with the Official Code of Georgia (OCG) 25-2-14,18.

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 both plan and permit application (see OCG 43-14-8.1; 121-2-.04(1), IFC modification in 120-3-3, NFPA 72).
 - 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 modification to IFC).
 - Identification of all areas within proposed occupancy by intended usage (see NFPA 72).
 - 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 NFPA 72: 4.5.1.1.
 - (See NFPA 72) Incorporating a legend which –
 - identifies by 1) distinct symbol (icon), 2) description, 3) manufacturer's name & model number, and 4) 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:
 - National Fire Protection Association (NFPA) 101 (LIFE SAFETY CODE), including Section *Fire Detection & Alarms*, and also Occupancy Chapter Section *Detection, Alarm, and Communication*.
 - GEORGIA ACCESSIBILITY CODE (GAC) 120-3-20, including Sections *Controls*, and *Fire Alarms*.
 - NFPA 72 (NATIONAL FIRE ALARM AND SIGNALING CODE).
 - IFC
 - Device manufacturer's installation specifications, per NFPA 72 and IFC.

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

- Penetration protection of all fire rated wall and floor/ceiling assemblies, per NFPA 101, and NFPA 72.
- Product data for all equipment, each identifying specific models selected, per IFC.
- Equal number of devices provided in submittal documents/bill of materials and the number of devices shown on plans submitted for this system, per NFPA 72.
- Submittal documents which include compatibility documentation between FACP (Mfr: _____ & model: _____) and initiation devices from different manufacturer, per NFPA 72.
- Detection of other fire protection system(s), per NFPA 72.
- A Detailed Description** of the system inputs, evacuation signaling, intended sequence of operations, ancillary functions, expansion capability limitations, annunciation characteristics, per NFPA 72. Description may be either narrative, table (see NFPA 72 for sample), or graphical.
- Battery calculations and current draw (voltage drop) details that prove specified 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 NFPA 72.
- Annunciator details & cut sheets, per NFPA 101: Occupancy chapter, sect. 3.4.1.
- Both audible & visible notification devices, per NFPA 101.
- Minimum prescribed candela visible warning device throughout all common use areas, per GAC.
- Synchronization of more than two visual warning devices within the same field of view, per NFPA 72, GAC.

III. Corrected plans, which include:

- Complete details of fire alarm system and equipment on plans, per NFPA 72, including ceiling heights and candela selected for visual warning devices.
- Warning devices relocated to comply with placement requirements per NFPA 72 (also see NFPA 72-sleeping areas).
- Smoke detection protection for control equipment in non-attended enclosure(s), per NFPA 72.
- Additional strobes/spacing to provide coverage per NFPA 72.
- Strobes within 15' of the ends of each corridor, per NFPA 72; verify non-obstructed sight-line(s) within corridor. All areas required to have a visual signal appliance shall be within 50-100' of signal, per most stringent of NFPA 72 or GAC.
- To schedule test/inspection, please call 404-371-3010, per IFC, NFPA 72.
- At time of inspection provide finished record of completion form, owner's manual, , and equipment submittal which includes compatibility documentation between FACP (Mfr: _____ & model: _____) and initiation devices from different manufacturers, per NFPA 72.

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