Bulletin #20: Household Fire Alarm System

Date: June 1, 2017
Effective Date: March 15, 2012
Amended: February 1, 2017
To: All Staff
From: Jonathan Walsh
   Chief Building Official

Subject: Household Fire Alarm System Requirements/Procedure

Household fire alarm systems installed in single family detached and two family attached dwellings no longer permitted thru the Fire Code Office, shall require a permit with the Collier County Building Review and Permitting Department, Growth Management Division.

All household fire alarm systems installed in lieu of the required 120 volt interconnected w/battery backup smoke alarms shall be installed in accordance with the provisions of the Florida Building Code (FBC) 5th Edition (2014) – Residential “R314.2 Smoke detection systems”, and NFPA 72, National Fire Alarm and Signaling Code - 2010, Chapter 29.

Where a household fire warning system is installed using a combination of smoke detector and audible notification device(s), it shall become a permanent fixture of the occupancy and owned by the homeowner. The system shall be monitored by an approved supervising station and be maintained in accordance with NFPA 72.

Submittal Guidelines:

- The Monitoring Company Information Form shall accompany the submittal.
- Communication methods for supervising stations fire alarm system shall be identified pursuant to NFPA 72 Section 26.6.
- Manufacturer’s specification sheets for all devices and appliances shall be provided.
- Provide Smoke Detection Design Documentation which states the required performance objective of the system.
- Provide “point to point” wiring on the floor plan delineating the wiring of all connections to devices, appliances, components, etc.
- Conductor types and sizes shall be indicated on the drawings.
• Provide detailed **battery calculations** for each “Battery Set”. The manufacturer’s format supplied in each control panel manual is the preferred format.

• Indicate on plans that “**primary power**” connections comply with NFPA 72.

• Show location of all **required surge protectors** per NFPA 70, National Electrical Code (NEC) - 2011, Articles 760.32 & 800 and NFPA 72 section 10.5.5.3 and indicate the type of device and what it protects (120VAC, 24V/Data, and telephone lines).

**FINAL INSPECTION AND ACCEPTANCE:**

• Final inspection shall be coordinated and performed in conjunction with the system certification testing by contractor.

**Required Documents at time of Final:**

• Final Certification and Test Report.
• Copy of Monitoring Contract.
• Copy of Maintenance Contract.
• Owner Acknowledgement Affidavit.

Replaces Building Block issued but never numbered.

Jonathan Walsh
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