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AUTOMATIC FIRE DETECTION SYSTEMS
DESIGNED IN ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM CODE®
MINIMUM REQUIREMENTS FOR A NEW FACILITY. THE SYSTEM SHOULD BE MONITORED THROUGHOUT THE ACTIVATED BUILDING AREA AND BE CAPABLE OF TWO (2) WAY VOICE COMMUNICATIONS WITH ALARM INITIATING DEVICES INSTALLED IN ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM CODE®.

FIRE ALARM CONTROL PANEL
SHALL BE FACTORY BUILT, COMPANY UNITS, LISTED AND APPROVED FOR FIRE ALARM SERVICE BY THE AUTHORITY HAVING JURISDICTION (AHJ). THE SYSTEM SHALL BE INSTALLED AND OPERATED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND NFPA 72 NATIONAL FIRE ALARM CODE®.

ALL EQUIPMENT AND WIRING SHALL BE SUPERVISED FOR PROPER OPERATION, AND THE SYSTEM SHALL BE CAPABLE OF AUTOMATICALLY RESTORING NORMAL OPERATION OF THE SYSTEM AFTER CORRECTION OF A SUPERVISORY OR TROUBLE CONDITION. SYSTEM SHALL BE CAPABLE OF INDICATING AND RECORDING ALL SUPERVISORY AND TROUBLE CONDITIONS. THE SYSTEM SHALL NOT BE AUTOMATICALLY SILENCED, UNLESS MANUALLY SILENCED AT THE FACP OR APPROVED REMOTE LOCATION. ANY ACTION TAKEN AT THE FACP OR REMOTE LOCATION SHALL NOT PREVENT THE OPERATION OF ANY OTHER INITIATING DEVICE OR APPLIANCE.

SYSTEM SHALL BE PROVIDED WITH A MINIMUM OF 24 HOURS STANDBY POWER AND 5 MINUTES OF ALARM POWER IN ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM CODE®. SECONDARY POWER SUPPLY SHALL BE RECHARGED WITHIN 48 HOURS FOLLOWING THE RESTORATION OF NORMAL POWER TO THE CHARGER.

SYSTEM WIRING SHALL BE SUPERVISED BY THE FACP AND ANY CHANGE IN CONDITION OF THE WIRING SHALL BE AUTOMATICALLY INDICATED AT THE FACP WITHIN 200 SECONDS OF THE EVENT. THE SYSTEM SHALL BE CAPABLE OF OPERATING UNDER FAULT CONDITIONS INCLUDING OPENS, GROUNDS, AND SHORTS IN SIGNAL CIRCUITS. THE LOCATION OF THE FIRST FAULT SHALL NOT PREVENT THE OPERATION OF ALARM DEVICES OR ANNUNCIATORS FOR ANY ADDITIONAL FAULTS. ALL SIGNAL CIRCUITS SHALL BE CLASS A OR B AS DEFINED BY NFPA 72 NATIONAL FIRE ALARM CODE®.

SYSTEM SHALL BE CAPABLE OF ACTIVATING ALL REQUIRED NOTIFICATION APPLIANCES WHEN ANY ALARM INITIATING DEVICE OPERATES. SYSTEM SHALL BE CAPABLE OF SELECTIVELY ACTIVATING NOTIFICATION APPLIANCES FOR ZONES AND SUBZONES AS REQUIRED BY THE AHJ