

# Charter Township of Brownstown

## FIRE DEPARTMENT

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### FIRE PROTECTIVE SIGNALING SYSTEMS INSTALLATION APPLICATION SUBMITTAL REQUIREMENTS

For the installation of any size fire protective signaling system and for the purpose of off premises notification of said fire alarm condition at a property, an application and fee amount for said installation shall be submitted by a licensed contractor who is in accordance with State of Michigan Public Act No. 190 of 1975 as amended (MCL 338.1051) as set forth in local ordinance 284.

The installation application shall include construction documents that show the following information: ***(The latest edition of National Fire Protection Association, Standard 72 shall be used for this installation.)***

1. A floor plan, which indicates the use of all rooms
2. Location and number of all alarm-initiating devices and alarm-indicating appliances
3. Manufacturers, model numbers, and listing information for equipment, devices, and materials to be used
4. Proposed zoning
5. List of auxiliary control functions if applicable
6. Location of control panel(s) and annunciator(s)
7. A complete sequence of operating for the system
8. A copy of installing contractor's licenses
9. Power connection
10. Battery calculations
11. Details of ceiling height and construction
12. The interface of fire safety control functions
13. Power connections

Upon acknowledged receipt of the plans, this office shall issue a plan review report within 5-7 days. After plan review has been approved for installation and upon completion of the installation, this office shall be notified not less than 48 hours before the installation is placed in service. This office shall inspect the installation following the receipt of notification and shall approve the installation for use, if the requirements of the applicable codes have been met and the acceptance test is passed.

2006 Fire Code

**2006 International Fire Code® / CHAPTER 9 FIRE PROTECTION SYSTEMS /  
SECTION 907 FIRE ALARM AND DETECTION SYSTEMS**

**SECTION 907  
FIRE ALARM AND DETECTION SYSTEMS**

**2006 International Fire Code® / CHAPTER 9 FIRE PROTECTION SYSTEMS /  
SECTION 907 FIRE ALARM AND DETECTION SYSTEMS / 907.1 General.**

**907.1 General.**

This section covers the application, installation, performance and maintenance of fire alarm systems and their components in new and existing buildings and structures. The requirements of Section 907.2 are applicable to new buildings and structures. The requirements of Section 907.3 are applicable to existing buildings and structures.

**2006 International Fire Code® / CHAPTER 9 FIRE PROTECTION SYSTEMS /  
SECTION 907 FIRE ALARM AND DETECTION SYSTEMS / 907.1 General. / 907.1.1  
Construction documents.**

**907.1.1 Construction documents.**

Construction documents for fire alarm systems shall be submitted for review and approval prior to system installation. Construction documents shall include, but not be limited to, all of the following:

1. A floor plan which indicates the use of all rooms.
2. Locations of alarm-initiating and notification appliances.
3. Alarm control and trouble signaling equipment.
4. Annunciation.
5. Power connection.
6. Battery calculations.
7. Conductor type and sizes.
8. Voltage drop calculations.
9. Manufacturers, model numbers and listing information for equipment, devices and materials.
10. Details of ceiling height and construction.

2006 Fire Code

11. The interface of fire safety control functions.

**2006 International Fire Code® / CHAPTER 9 FIRE PROTECTION SYSTEMS / SECTION 907 FIRE ALARM AND DETECTION SYSTEMS / 907.1 General. / 907.1.2 Equipment.**

**907.1.2 Equipment.**

Systems and their components shall be listed and approved for the purpose for which they are installed.

**2006 International Fire Code® / CHAPTER 9 FIRE PROTECTION SYSTEMS / SECTION 907 FIRE ALARM AND DETECTION SYSTEMS / 907.2 Where required—new buildings and structures.**

**907.2 Where required—new buildings and structures.**

An approved manual, automatic or manual and automatic fire alarm system installed in accordance with the provisions of this code and NFPA 72 shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.23 and provide occupant notification in accordance with Section 907.10, unless other requirements are provided by another section of this code. Where automatic sprinkler protection installed in accordance with Section 903.3.1.1 or 903.3.1.2 is provided and connected to the building fire alarm system, automatic heat detection required by this section shall not be required.

The automatic fire detectors shall be smoke detectors. Where ambient conditions prohibit installation of automatic smoke detection, other automatic fire detection shall be allowed.

**2006 International Fire Code® / CHAPTER 9 FIRE PROTECTION SYSTEMS / SECTION 907 FIRE ALARM AND DETECTION SYSTEMS / 907.2 Where required—new buildings and structures. / 907.2.1 Group A.**

**907.2.1 Group A.**

A manual fire alarm system shall be installed in Group A occupancies having an occupant load of 300 or more. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

**Exception:** Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system and the alarm notification appliances will activate upon sprinkler water flow.

**2006 International Fire Code® / CHAPTER 9 FIRE PROTECTION SYSTEMS / SECTION 907 FIRE ALARM AND DETECTION SYSTEMS / 907.2 Where required—new buildings and structures. / 907.2.1 Group A. / 907.2.1.1 System initiation in**

**11.8.3.5 Specific Location Requirements.** The installation of smoke alarms and smoke detectors shall comply with the following requirements:

- (1) Smoke alarms and smoke detectors shall not be located where ambient conditions, including humidity and temperature, are outside the limits specified by the manufacturer.
- (2) Smoke alarms and smoke detectors shall not be located within unfinished attics or garages or in other spaces where temperatures can fall below 4°C (40°F) or exceed 38°C (100°F).
- (3) Where the mounting surface could become considerably warmer or cooler than the room, such as a poorly insulated ceiling below an unfinished attic or an exterior wall, smoke alarms and smoke detectors shall be mounted on an inside wall.
- (4) Smoke alarms and smoke detectors installed within a 6.1-m (20-ft) horizontal path of a cooking appliance shall be equipped with an alarm-silencing means or be of the photoelectric type.
- (5) Smoke alarms and smoke detectors shall not be installed within a 914-mm (36-in.) horizontal path from a door to a kitchen or a bathroom containing a shower or tub.
- (6) Smoke alarms and smoke detectors shall not be installed within a 914-mm (36-in.) horizontal path from the supply registers of a forced air heating or cooling system and shall be installed outside of the direct airflow from those registers.
- (7) Smoke alarms and smoke detectors shall not be installed within a 914-mm (36-in.) horizontal path from the tip of the blade of a ceiling-suspended (paddle) fan.
- (8) Where stairs lead to other occupied levels, a smoke alarm or smoke detector shall be located so that smoke rising in the stairway cannot be prevented from reaching the smoke alarm or smoke detector by an intervening door or obstruction.
- (9) For stairways leading up from a basement, smoke alarms or smoke detectors shall be located on the basement ceiling near the entry to the stairs.

119.000

**PUBLIC SAFETY ALARM SYSTEM****Ord. No. 284****Effective: August 10, 1994**

An Ordinance to provide for the regulation of alarm systems, to control the amount of public safety resources expended in responding to false or unjustified alarms for emergency assistance, to protect the public health, safety and welfare and to ensure that alarm devices are properly installed, maintained and utilized in furtherance of the public interest, and to provide penalties for the violation of this Ordinance.

THE CHARTER TOWNSHIP OF BROWNSTOWN,  
WAYNE COUNTY, MICHIGAN ORDAINS:

**119.001 Definitions.**

Sec. 1. For the purpose of this Ordinance, the following definitions shall apply except in those instances where the context clearly indicates a different meaning:

- A. *Alarm system* shall be defined as an assembly of equipment and devices, or a single device such as a solid state unit, that emits, transmits or relays a signal intended to summon, or which would reasonably be expected to summon emergency services and/or personnel such as firefighters, police officers, EMT's or public safety officers. "Alarm System" includes, but is not limited to devices such as "audible alarm systems", "automatic hold-up alarm systems", "burglar alarm systems", "fire alarm systems" and "manual hold-up alarm systems" as those terms are defined below.
- B. *Alarm user* shall be defined as the owner of the land or premises within which an alarm system is located or installed; the tenant, occupant or person having possession or control of any premises in which an alarm system is located or installed,

or any person having actual or constructive possession or control of an alarm system when the system signals an emergency.

- C. *Audible alarm system* shall be defined as an alarm system which generates an audible sound on the premises when it is actuated and which sound can be heard by persons not on the premises.
- D. *Automatic hold-up alarm system* shall be defined as an alarm system in which the signal transmission is initiated by the action of the robber or intruder.
- E. *Burglar alarm system* shall be defined as an alarm system signaling an entry or attempted entry into the area protected by the alarm system.
- F. *Emergency* shall be defined as a hazard, condition or situation which requires immediate action or urgent attention and to which police, fire, rescue or other public safety personnel are customarily expected to respond on an immediate or high priority basis.
- G. *Fire alarm system* shall be defined as an alarm system which signals the presence of smoke and/or fire in the area protected by the alarm system, and shall include, but is not limited to, fire alarms, smoke alarms and sprinkler alarms.
- H. *False alarm* shall be defined as the activation of an alarm system through mechanical failure, malfunction, improper installation or maintenance of the alarm system or through the negligence of the alarm user or his employees or agents. False alarms shall not include alarms caused by electrical interruptions, severe weather conditions such as a flood or tornado, or other violent condition beyond the control of the alarm user or his employee, lessee or agent.

- I. *Intentional false alarm* shall be defined as knowingly and intentionally activating an alarm system which summons, or which reasonably could be expected to summon emergency personnel such as police, fire, rescue or public safety personnel in a non-emergency situation or by making a report of an emergency orally by telephone or in person which could reasonably be expected to result in the dispatch of police, fire, rescue or other emergency personnel, when no emergency situation actually exists.
- J. *Manual hold up alarm system* shall be defined as an alarm system in which the signal transmission is initiated by the direct action of the person attacked or by an observer of the attack.

- K. **PUBLIC SAFETY ALARM SYSTEM** shall mean and include any one or more of the alarm systems described in this article.  
(ord. no. 284 eff. Aug. 10, 1994)

119.002 Sec. 2. **FALSE ALARMS.**

- A. Every alarm user shall pay to the Township of Brownstown a fee for responding to the third and subsequent false alarm signalled by the alarm user's alarm system within any twelve (12) consecutive month period. There shall be no charge for the first two (2) false alarms responded to within any twelve (12) consecutive month period, but for the third there shall be a charge of one hundred seventy five dollars (\$175.00) assessed to the alarm user, and for each subsequent response thereafter, the charge shall be two hundred fifty dollars (\$250.00), subject to the conditions set forth within this Ordinance. The false alarm fees may be periodically modified by resolution of the Township Board, but the fee shall not exceed the Township's direct and indirect costs of responding to false alarms, administering the system of recording and classifying the alarms and collecting and accounting for the fee charged.
- B. Subsequent to the activation of a fire alarm, the fire alarm system shall be placed back in service after the verification by the responding units that there is no fire. The alarm shall not be reset prior to the fire department arrival. If after the determination that there is no fire the alarm cannot be placed back in service, the alarm user shall, at his or her own expense, mount a fire watch for the premises during the period that the alarm system is out of service. A "fire watch" shall consist of a roving patrol of the subject property by individuals capable of looking for and reporting fires in an expedient manner, so that any such fire would not increase beyond the stage at which it would normally be detected by a fire alarm.
- C. Upon the response of police or fire personnel to an alarm call, a representative of the appropriate department shall notify the alarm user of the response and offer the alarm user the opportunity to submit a written explanation for the activation of the alarm.



The explanation shall be submitted to the Chief of the department which contacted the alarm user. If the alarm user fails to submit a written explanation within twenty-one (21) days, the alarm will be deemed to have been a "false alarm", subject to the penalties provided in this Ordinance.

D. If the alarm user submits an explanation for the activation of the alarm in accordance with 2(B) above, the Chief of the appropriate department or his designee shall conduct an investigation concerning the cause of the alarm activation. After investigation, the Chief or his designee shall make one of the following determinations:

1. If the alarm was activated because of an emergency situation, it is deemed not to be a false alarm and is excused;
2. If the alarm was activated in a situation that was not an emergency and was due to mechanical failure, malfunction, improper installation, improper maintenance of the alarm system or the negligence of the alarm user, his employees, agents or lessees, then the alarm activation will be deemed to be a "false alarm" in contravention of this Ordinance and subject to the penalties provided herein;
3. If the alarm was activated in a situation which was not an emergency, but was the result of an electrical interruption, severe weather condition such as flood or tornado or other violent condition such as flood or tornado or other violent condition beyond the control of the alarm user, it is deemed not to be a false alarm and is excused.

The Township Board may, by resolution, establish guidelines which the Chief or his designee shall apply in making the determination of whether an alarm activation constitutes a false alarm.

E. The Chief or his designee shall notify the alarm user in writing by return mail receipt requested of the determination made regarding the alarm activation and the penalties according to this Ordinance.

F. Upon determination by the Chief or his designee that a false alarm was due to a system malfunction

such as mechanical failure, electrical failure, or improper installation or maintenance of the alarm system, the alarm user, upon notification of that determination, shall have ninety-six (96) hours to institute corrective repairs to the system by a licensed, qualified alarm repair service as defined herein. Upon providing documentation to the Chief of the appropriate department of repairs having been performed by the alarm repair service to remedy the malfunction, the Chief shall waive the determination of the false alarm, and no false alarm fee shall be charged.

- G. Within ten (10) days of notification of the determination of the Chief or his designee under this Ordinance, the alarm user may, in writing, request an appeal of the Chief's decision before the Township Board, which is hereby vested with authority to affirm, reverse or modify the decision of the Chief or his designee.  
(ord. no. 284 eff. Aug. 10, 1994)

**119.003 Sec. 3. PRESUMPTION AS TO "ALARM USER".**

For the purposes of prosecuting violators of this Ordinance and for purposes of collecting the fees incurred because of false alarms, there shall be a rebuttable presumption that the "alarm user" is that person whose name appears on the most recent assessment roll approved by the Board of Review, as updated, associated with the real or personal property protected by the alarm system.  
(ord. no. 284 eff. Aug. 10, 1994)

**119.004 Sec. 4. INSTALLATION AND REPAIR OF ALARM SYSTEMS.**

All alarm systems shall be installed and repaired by qualified installers or contractors. Alarm installers or contractors must be licensed by the State of Michigan in accordance with Public Act No. 190 of 1975 as amended (MCL 338.1051).  
(ord. no. 284 eff. Aug. 10, 1994)

**119.005 Sec. 5. AUDIBLE SIGNALS; AUTOMATIC SHUT-OFF.**

Alarm systems which emit a signal audible beyond the boundaries of the property protected must have an auto-

119.005

matic shut off device which silences the audible portion of the alarm not more than fifteen (15) minutes after being tripped. Alarm users violating this section shall be responsible of a civil infraction. This section does not apply to fire alarms or automatic fire sprinkler alarms.  
(ord. no. 284 eff. Aug. 10, 1994)

**119.006 Sec. 6. INTENTIONAL FALSE ALARM.**

Any person who enters an intentional false alarm as defined in this Ordinance shall be guilty of a misdemeanor.  
(ord. no. 284 eff. Aug. 10, 1994)

**119.007 Sec. 7. PENALTIES.**

A. **CIVIL INFRACTION.** Except for those actions expressly designated as misdemeanors under this Ordinance, any person, firm, corporation, partnership or other legal entity which fails to comply with any provision of this Ordinance shall be responsible for a civil infraction, and upon a determination of responsibility shall be subject to a fine not to exceed two hundred fifty dollars (\$250.000), plus costs to be assessed in the discretion of the court.

B. **MISDEMEANOR.** Any person, firm, corporation, partnership or other legal entity who is found guilty of a misdemeanor under the applicable sections of this Ordinance is subject to a fine not to exceed five hundred dollars (\$500.00), or may be imprisoned for a period not to exceed ninety (90) days, or be both so fined and imprisoned in the discretion of the court.  
(ord. no. 284 eff. Aug. 10, 1994)

**119.008 Sec. 8. SEVERABILITY.**

If any clause, section or article of this Ordinance shall be held invalid or unconstitutional, the remainder shall be considered severable and shall remain in full force and effect.  
(ord. no. 284 eff. Aug. 10, 1994)

**119.009 Sec. 9. REPEAL.**

All ordinances, resolutions or orders, or parts thereof, particularly Ordinance No. 227, Article 14, "False Alarms", which are in conflict with the provisions of this Ordinance are repealed to the extent of such conflict.  
(ord. no. 284 eff. Aug. 10, 1994)

**119.010 Sec. 10. ADOPTION.**

This Ordinance is declared necessary for the public peace, health, safety and welfare of the people of the Charter Township of Brownstown and is hereby given immediate effect upon adoption and publication as provided by law. (ord. no. 284 eff. Aug. 10, 1994)