



Clark County Department of Building & Fire Prevention

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Permit Type: 105.7.5.d
Control Number: D.0
Effective Date: 11/15/11

TITLE: FIRE ALARM MONITORING SYSTEM

SCOPE: Clark County Department of Building & Fire Prevention requirements for the submittal and design of a Fire Alarm Monitoring System.

This permit type applies to buildings that have a fire alarm system installed, including buildings that have both fire alarm and sprinkler systems installed.

For new work in existing buildings, see the "New Work in Existing Buildings" guideline.

PURPOSE: To standardize plan/permit requirements of the Fire Department in accordance with the Clark County Fire Code. Permits are valid through the duration of construction. Work must commence within 180 days, and remain active with no period of inactivity exceeding 180 days, or the permit becomes invalid.

DEFINITIONS:

Assessor's Parcel Number (APN): A unique number assigned to each property by the Clark County Assessor's office.

Fire Alarm Monitoring Panel: The fire alarm monitoring panel is a control unit that is intended to monitor fire alarm initiating devices and fire alarm supervisory devices. This type of panel is considered to be a dedicated function fire alarm control unit as defined by NFPA 72.

PERMIT FEES:

Permit fees shall be assessed in accordance with the Permit Fee Schedule as adopted in the Clark County Fire Code. For applications that are expedited, additional fees shall apply.

SPECIFICATIONS AND SUBMITTAL REQUIREMENTS:

An application must be completed for each submittal. A minimum of three sets of plans and three sets of specifications shall be submitted with the permit application. The minimum size of the plans shall be 8½"x11". Plans shall show compliance in accordance with Chapter 9 of the Clark County Fire Code, as adopted and amended. All submittals must be legible and readable or the plan shall be issued a correction letter for cause.

A fire alarm monitoring permit is required for all buildings that have fire alarm systems installed, including buildings that have both fire alarm systems and automatic fire sprinkler systems installed.

A fire alarm monitoring permit is also required when a fire alarm monitoring panel is replaced (either with a like-for-like panel or a new model of panel) or when an existing fire alarm monitoring panel is reprogrammed to report to a new monitoring company or to report additional signals.

Note that fire alarm monitoring is not allowed for buildings classified as a one- or two-family dwelling. Also note that manual fire alarm systems are not required to be monitored by a central station when approved signs are placed directly below an audible and visual notification appliance that is located on the exterior of the building and is adjacent to each manual pull station. The signs shall read as follows: WHEN ALARM SOUNDS - CALL 911. The sign below the audible and visual notification appliance shall be of durable material with permanent lettering having a 2" minimum height and minimum 1/2" stroke on a contrasting background. The sign adjacent to each pull station shall be of durable material with permanent lettering having a 1/4" minimum height on a contrasting background.

Plans shall address the following:

1. Indicate the project name, address, and APN (Assessor's Parcel Number). Note that each separate building/tenant space having a unique address requires a separate permit.
2. Provide a detailed, written scope of work on the plans. Clearly identify the scope of work for the permit utilizing shading, clouding, or other means to differentiate the scope of work from areas that are not within the scope of work. Clearly indicate on the plans what devices are being installed and what devices were previously installed.
3. The following component must be shown on the plans: the fire alarm monitoring panel. If the building has a sprinkler system installed, the exterior audible and visual notification appliance (to be located above the Fire Department Connection) shall also be shown on the plans. The plans shall also note that in lieu of providing an interior notification appliance(s), fire alarm devices shall be installed per approved fire alarm drawings.
4. For all devices installed, indicate the manufacturer(s) and model number(s) on the plans.
5. Indicate the building occupancy classification, as defined by the International Building Code.
6. Indicate the occupant load and the square footage of the building.
7. Indicate the name and UL or FM number of the central station.
8. Indicate that a dedicated circuit is to be provided to power the fire alarm monitoring panel and shall be labeled as such.

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9. For new buildings constructed utilizing the Clark County Fire Code 2009 edition or later, the following signals shall be transmitted to a UL- or FM-listed central station: water flow alarm (if provided with a fire sprinkler system), fire alarm, valve tamper supervisory (if provided with a fire sprinkler system), supervisory (supervisory signals other than valve tampers), and system trouble. For existing buildings constructed utilizing a previous edition of the Clark County Fire Code (pre-2009 edition), the following signals shall be transmitted to a UL- or FM-listed central station: water flow alarm (if provided with a fire sprinkler system), fire alarm, supervisory, and system trouble.
 10. When a building is served by an electric fire pump, the following additional signals shall be transmitted individually to a UL- or FM-listed central station: pump running, loss of phase, phase reversal, and secondary power signals.
 11. When a building is served by a diesel fire pump, the following additional signals shall be transmitted individually to a UL or FM-listed central station: engine running, controller switch off, and controller/engine trouble signals.

PERMIT REVISIONS AND RESUBMITTALS:

Revisions to approved plans are required to be submitted and approved. Revisions will be assessed additional plan review fees. A copy of the previously approved plan shall accompany the revised submittal to facilitate the review. Clearly indicate all changes to the revised plans by clouding the change with a delta number to signify the date of plan change. When several changes have been made, a detailed list of changes is required.

Re-submittals to address a Letter of Correction will require a full submittal. These plans require a copy of the red lined plan from the previous submittal to facilitate the review. Clearly indicate all changes by clouding the change with the delta number to signify the date of plan change.

PLANS CHECK STATUS INSTRUCTIONS:

The status of the review can be checked by logging on to:
www.clarkcountynv.gov/building/fire-prevention

INSPECTIONS THAT MAY BE REQUIRED AND SCHEDULING INSTRUCTIONS:

If approved, an inspection will need to be scheduled. To schedule an inspection, go to:
www.clarkcountynv.gov/building/fire-prevention
A fire inspector will review your site in accordance with the approved plans and this guideline.

The Fire Prevention (FP) may witness and accept inspection, testing and maintenance of fire and life safety systems conducted by approved individuals as required by and within the scope and authority of the Clark County Fire Code.

This Guideline does not take the place of the Fire Code and does not take precedence over any Fire Code requirement or position taken by the Fire Chief. When a conflict exists between the requirements of this Guideline and the Fire Code or the opinion of the Fire Chief, the Fire Code or opinion of the Fire Chief prevails.

Technical Assistance, when required by the fire chief, will require a Technical Opinion and Report prepared by a State of Nevada licensed: qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the Fire Chief and the owner. The Fire Chief is authorized to require design submittals to bear the Wet Stamp and Signature of a professional engineer.

Acceptance of Alternative Materials and Methods requires a Technical Opinion and Report prepared by a State of Nevada licensed: qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the Fire Chief and the owner. The Fire Chief is authorized to require design submittals to bear the Wet Stamp and Signature of a professional engineer.