

COLLIER FIRE DISTRICTS FIRE & LIFE SAFETY
FIRE ALARM
PLAN CHECKLIST COVER PAGE

The following is intended to assist the design professional and or installing contractor in designing and submitting for review a "code compliant" fire alarm system. This document in no way details all of the requirements that may be necessary for a complete code compliant system.

Note: Systems shall be designed in accordance with the codes and standards adopted in Rule Chapter 69A-60, The Florida Fire Prevention Code 5th edition, NFPA 1 (2012 edition) the Florida specific version, NFPA 101 (2012 edition) the Florida specific version, NFPA 72 (2010 edition), NFPA 70 (2010 edition), NFPA 90A (2012 edition), NFPA 110 (2010 edition), and the Collier Fire Districts Fire and Life Safety Policy and Procedures Manual found at <http://www.cfdin.com/Policies-and-Procedures/>

Building Information: Number of stories _____ Sq. Ft. _____ / _____ (per floor and building total); # of Units: _____
Is the building protected with an automatic fire sprinkler system Partial Full Sprinkler System None
If so denote which type: 13 13R 13D
Occupancy type per FFPC: _____ Chapter _____ Occupant Load: _____
To your knowledge, is this a "Required System"? YES NO Master Permit #: _____

Type of Permit:

New Fire Alarm System Existing Fire Alarm System Dedicated Fire Alarm System
 Fire Alarm Monitoring Only (A separate permit is required for monitoring in addition to fire alarm permit)
Communication method: _____ / _____ Format FACP (ie: 4/2, Contact ID, etc) _____
(New ie: RF, Cell) (Existing) Format DACT (ie: 4/2, Contact ID, etc) _____
 Local Alarm Only Remote Supervising Station Proprietary Supervising
 Central Station Service (not required in Collier Co) *If performance based, contact Fire Marshal

Required Information on Plan (Check box to indicate compliance)

- Project name and address on plan.
- Floor plans shall be to scale (1/8" scale is preferred). On electronic review, please provide dimension line so the scale can be set.
- Utilize NFPA 170 Symbols when possible (Mandatory December 31, 2017).
- Provide a comprehensive scope of work and input/output matrix.
- Provide sequence of operations which shall include specific conditions being supervised, as well as detailed actions taken for trouble, supervisory, alarm conditions and any other emergency operations/functions.
- Mark all device and component model numbers and quantities on plan or bill of materials.
- Riser Diagram shall be provided delineating each floor, circuit and zone and all devices, appliances and/or components.
- Provide documentation that all components are "compatible" and "listed" for the specific fire alarm applications for which they are used. Provide verification of compatibility between components and the respective panel per manufacturer. Fire alarm system components shall be installed per their "listed" application for the ambient conditions (i.e., voltage, temperature and humidity) expected. NFPA 72 10.14.1, 10.14.2.4
- Provide specification sheets.
- Provide battery calculations in chart format. A 20% safety margin required per NFPA 72-10.5.6.3.1 Existing systems shall provide new and existing calculations. (Excluding monitoring takeover).
- Provide wire legend, wire burial detail and installation method. All wiring located in wet or damp locations shall be listed for this use (Wet & Direct Burial). Include the location of the wiring method or circuit, the type of wiring method or circuit, the minimum cover requirements cut sheets.
- There shall be a minimum of one listed "weatherproof" audio/ visual appliance, located in accordance with FAL01-1.
- Provide site plan.

Dedicated Function (Fire Sprinkler Monitoring/Elevator Recall)

Plans

- Provide site plan.
- Provide outline plan of building— delineate location of FACP, smoke detector above panel, exterior weatherproof audio/visual appliance, surge protection on the power & circuits entering/exiting the building & telephone lines.
- Shop drawings reflect the locations of the fire alarm control panel (FACP), the smoke detector above the panel (if FACP is in an enclosed conditioned air space, the manual pull-station (is it in an unobstructed location, accessible to the public and located where required by the local authority having jurisdiction), the exterior audio/visual device(s) located as required in FAL01-01. Flow switch and tamper switches for the riser, post-indicating valve and the double detector check valves, and surge protection on the power supply, and the circuits entering or exiting the building.
- Indicated on the plans that “primary power” connections comply with NFPA 72- 10.5.5.1 through 10.5.5.4 Circuit breaker shall be mechanically protected and the disconnect means marked in red "Fire Alarm Circuit".
- Provide battery calculations for the required capacities of a Remote Supervising Station system, Central Station Service system or a Proprietary Supervising system (24 hours standby and 5 minutes alarm) and reviewed battery calculations for accuracy.
- Provide battery calculations for a newly installed communicator.

Fire Sprinkler Monitoring System Yes No

Double Detector Check Valve Yes No

- Double detector check valve (DDCV) serves more than one building - where each of these buildings has its own FACP –each respective FACP shall monitor the DDCV tamper switches. NFPA 72- 23.8.5.6. COD 00-1. NFPA 13.8.15.1.12, NFPA 13.3.1.7.1.1; 10.11.3

Elevator Recall Yes No

If building has a fire alarm system provide details showing how the panels are interconnecting.

Monitoring By Installing Contractor Yes No

- The installing fire alarm contractor is the monitoring contractor, please obtain both permits and include "Monitoring contractor same as fire alarm installing contractor" on plan.
- If separate permits are packaged under one submittal, paperwork (i.e. scope of work, bill of materials, specification sheets, plan checklist, etc.) relative to the fire alarm sprinkler monitoring-only permit shall be “packaged” and attached to the bottom left corner of the plan sheet documents, AND SHALL ONLY INCLUDE paperwork and references to equipment related to the communication methods and transmission technologies utilized to transmit fire alarm system signals to an offsite monitoring company. (i.e. include specification sheets for the phone jacks, connecting cables and telephone surge suppressors, Monitoring Company Information Form and related UL certificate and State License copies, etc.).
- Separate permits that are packaged under one submittal, is it understood an annotation is to be provided on the Riser Diagram indicating that “the telephone line surge suppression shall be provided under a separate monitoring-only permit.”

Monitoring By Another Contractor Yes No

- Identify on plan who the monitoring contractor will be. If unknown, indicate "Monitoring contractor unknown".
- If a separate company is obtaining the monitoring contract, remove all paperwork and references to any equipment related to the communication methods and transmission technology (ie. phone jacks, connecting cables, telco surge spec sheets, monitoring company info, etc.). It shall be removed from fire alarm/fire sprinkler monitoring application permit.
- Please be advised that a CO hold will be placed on the fire alarm/fire sprinkler monitoring permit until a monitoring permit is applied for.
- If the device uses power from the main FACP, it is the monitoring companies responsibility to resubmit the battery calculations for the entire fire alarm system.
- Submittal paperwork for the Monitoring-Only permit shall be submitted by others under a different set of drawings and ALL paperwork and references to any equipment related to the communication methods and transmission technologies utilized to transmit fire alarm system signals to an offsite monitoring company shall be EXCLUDED from the fire alarm sprinkler monitoring system submittal paperwork (i.e. phone jacks, connecting cables and telephone surge suppressors specification sheets, Monitoring Company Information Form and related UL certificate and State License copies, revised Scope of Work, etc.).

