

ORANGE COUNTY FIRE AUTHORITY



NFPA 72 FIRE ALARM SYSTEM

<INSERT LOCATION MAP THAT INCLUDES MAJOR CROSS STREETS PROVIDING SITE ACCESS>

VICINITY MAP

OCFA STAMP

PROJECT INFORMATION REQUIREMENTS

PROJECT LOCATION:

DETAILED SCOPE OF WORK

NOTE: OCFA WILL ONLY REVIEW WORK OUTLINED IN SCOPE OF WORK

SYSTEM INFORMATION

- MANDATORY VOLUNTARY
- WATER FLOW MONITORING
- DETECTION
- OCCUPANT NOTIFICATION
- VOICE EVACUATION
- 2 WAY COMMUNICATION

INITIATING DEVICES

	NEW	RELOCATED	REPLACED
DETECTORS			
DUCT DETECTORS			
MANUAL PULL			

USED FOR FEE CALCULATION

NOTIFICATION DEVICES

	NEW	RELOCATED	REPLACED
HORN/STROBES			
OTHER DEVICES			

	NEW	RELOCATED	REPLACED
TAMPER/FLOW			
FACU			

- COMMUNICATOR REPLACED
- COMMUNICATOR TYPE: POTS CELLULAR MESH RADIO
- SINGLE PATH DUAL PATH

SPECIAL CONDITIONS

- EXTINGUISHING SYSTEM MONITORING
- DELAYED EGRESS
- ACCESS CONTROL
- CROSS ZONING
- OUTDOOR DEVICES
- EXPOSED BEAMS
- SPECIAL PROCESSES
- HIGH MOVEMENT AIR
- ADA ROOMS:

CENTRAL SUPERVISING STATION

NAME: _____
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____
 PHONE: _____

OCCUPANT HISTORY

APPROXIMATE AGE OF BUILDING:
 OCCUPANT NEW TO BUILDING
 OCCUPANT EXISTING TO BUILDING
 NUMBER OF FLOORS OCCUPIED: _____

OCCUPANCY TYPE (CHECK ALL THAT APPLY)

- * INDICATES SFM REGULATED OCCUPANCY. OCFA PLAN SUBMITTAL REQUIRED
- # GROUP S MOTOR VEHICLE REPAIR AND AIRCRAFT REPAIR REQUIRE OCFA PLAN SUBMITTAL
- GROUP A1* GROUP A2* GROUP A3* GROUP A4* GROUP A5*
 - GROUP B GROUP E* GROUP F1 GROUP F2 GROUP H1*
 - GROUP H2* GROUP H3* GROUP H4* GROUP H5* GROUP I1*
 - GROUP I2* GROUP I3* GROUP I4* GROUP M GROUP R1*
 - GROUP R2* GROUP R2.1 GROUP R2.2 GROUP R3 GROUP R3.1
 - GROUP R4* GROUP S1# GROUP S2# GROUP U

OCCUPANT LOAD

TYPE OF CONSTRUCTION

- TYPE IA TYPE IB
- TYPE IIA TYPE IIB
- TYPE IIIA TYPE IIIB
- TYPE IV
- TYPE VA TYPE VB

BUILDING INFORMATION

AREA: _____
 HEIGHT:
 RATED CONSTRUCTION
 HIGH RISE

OCFA STANDARD NOTES

- OCFA INSPECTIONS ARE REQUIRED FOR THIS PROJECT. PLEASE SCHEDULE ALL FIELD INSPECTIONS AT LEAST 48 HOURS IN ADVANCE. INSPECTIONS CANCELED AFTER 1 P.M. ON THE DAY BEFORE THE SCHEDULED DATE WILL BE SUBJECT TO A RE-INSPECTION FEE. CALL OCFA INSPECTION SCHEDULING AT (714) 573-6150 AND PROVIDE THE SERVICE REQUEST NUMBER ON THESE PLANS.
- THE SCOPE OF WORK SHALL BE TESTED BY THE INSTALLER PRIOR TO THE OCFA INSPECTION TO DETERMINE THE SYSTEM PROPERLY FUNCTIONS AS APPROVED ON THE PLANS.
- FOR EXTREMELY LARGE SYSTEMS, OCFA MAY REQUIRE THE INSTALLING CONTRACTOR TO PROVIDE A WRITTEN CERTIFICATION BY A DIFFERENT THIRD PARTY LICENSED CONTRACTOR, TO VERIFY ALL OR SPECIFIC PORTIONS OF THE SYSTEM FUNCTION AS APPROVED ON THE PLANS (NFPA 72, 7.5.2).
- THIS SYSTEM WAS DESIGNED AND INSTALLED UNDER THE 2022 CODE REQUIREMENTS.
- APPROVED DRAWINGS AND DOCUMENTS SHALL BE RETAINED. DRAWINGS SHALL BE ACCESSIBLE UPON REQUEST. AFTER FINAL INSPECTION, APPROVED SHOP DRAWINGS AND MAINTENANCE INSTRUCTIONS SHALL BE PROPERLY DELIVERED TO A REPRESENTATIVE OF THE OCCUPYING BUSINESS, WHO SHALL OFFER COPIES TO THE BUILDING OWNER (NFPA 72, 7.5.3 AND 7.7.1).
- WRITTEN RECORDS AND REPORTS OF THE ALARM SYSTEM TESTING FREQUENCIES AND RESULTS, SHALL BE AVAILABLE FOR REVIEW ON THE PREMISES FOR THE OCFA INSPECTOR DURING FIRE INSPECTIONS.
- TESTING AND SERVICE PERSONNEL SHALL BE QUALIFIED AND EXPERIENCED PER NFPA 72, 10.5.3.
- ANY FUTURE MODIFICATIONS TO THE SYSTEM AFTER THIS FINAL OCFA INSPECTION SHALL CAUSE A NEW PLAN TO BE DRAFTED AND SUBMITTED BY THE TENANT OR BUILDING OWNER. THE MODIFICATIONS SHALL NOT BE STARTED UNTIL THE NEW PLANS ARE APPROVED BY OCFA (NFPA 72, 7.5.6.6).
- WHEN THE FIRE ALARM CONTROL UNIT (FACU) PANEL IS IN A ROOM ACCESSED THROUGH A DOOR, A PERMANENT SIGN SHALL BE PROVIDED ON THE DOOR INDICATING, "FIRE ALARM CONTROL UNIT" OR EQUIVALENT. WHEN THERE ARE SUB-PANELS, DOOR SIGNS SHALL ALSO INDICATE WHERE THE MAIN FACU PANEL IS LOCATED.
- A 24-HOUR EMERGENCY RESPONSE PHONE NUMBER SHALL BE PERMANENTLY POSTED AT THE CONTROL PANEL.
- THE CIRCUIT BREAKER POWER DISCONNECT SHALL ONLY BE ACCESSIBLE TO AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM" (NFPA 72, 10.6.5.2). THE ELECTRICAL PANEL WITH THE FIRE ALARM CIRCUIT SHALL BE IN A SECURE ROOM, OR A CIRCUIT BREAKER LOCKING DEVICE SHALL BE INSTALLED (NFPA 72, 10.6.5.4).
- STORAGE BATTERIES SHALL BE MARKED WITH THE MONTH AND YEAR OF MANUFACTURE (NFPA 72, 10.6.10).
- THE BATTERIES SHALL BE ABLE TO RUN THE SYSTEM IN STAND-BY MODE FOR 24 HOURS WITHOUT BUILDING POWER IN A NON-ALARM CONDITION, AND THEN IMMEDIATELY BE ABLE TO OPERATE ALL DEVICES FOR 5 MINUTES (15 MINUTES IS REQUIRED FOR VOICE EVACUATION SYSTEMS) (NFPA 72, 10.6.7.2.1, CFC 907.1.2).
- IF A 24 HOUR BATTERY TEST WAS NOT REQUIRED, OCFA COULD REQUIRE SHUT DOWN OF THE AC POWER TO VERIFY TROUBLE SIGNALS.
- BATTERIES SHALL BE FULLY CHARGED UNDER NORMAL CONDITIONS AND AFTER A POWER LOSS EVENT DISCHARGE (NFPA 72, 10.6.10.3).
- A BATTERY CHARGER FAILURE SHALL BE DETECTED AS A TROUBLE SIGNAL (NFPA 72, 10.6.10.6.2).
- AN ALARM SIGNAL SHALL OCCUR WITHIN 10 SECONDS AFTER INITIATING DEVICE ACTIVATIONS (NFPA 72, 10.11.1). THE ALARM SIGNALS SHALL BE AUDIBLY DISTINCTIVE FROM ALL OTHER DIFFERENT TYPES OF AUDIBLE SYSTEMS OR ALARMS (NFPA 72, 10.10).
- ALL AUDIBLE ALARM NOTIFICATION SIGNALS SHALL BE A THREE PULSE TEMPORAL PATTERN (CFC 907.5.2.1.3).
- AUDIBLE ALARM SOUND PRESSURE LEVELS SHALL BE PROVIDED AS SPECIFIED BY CFC 907.5.2.1, AND 907.5.2.1.2.
- WHEN MORE THAN TWO VISUAL NOTIFICATION APPLIANCES ARE LOCATED WITHIN THE SAME ROOM OR AREA, THEY SHALL BE SYNCHRONIZED (NFPA 72, 18.5.5.4.2).
- MANUAL PULL STATION KEY(S) SHOULD BE PLACED IN THE MAIN FACU BOX OR SPRINKLER HEAD BOX.
- WHEN TIED TO THE MAIN FIRE ALARM PANEL, DUCT DETECTOR ACTIVATIONS SHALL ONLY CAUSE A SUPERVISORY SIGNAL TO THE CENTRAL SUPERVISING STATION.
- INSPECTION, TESTING AND MAINTENANCE SHALL BE PERFORMED AND MAINTAINED PER CHAPTER 14 OF NFPA 72 AND THE MANUFACTURER SPECIFICATIONS.
- WHERE A BUILDING FIRE ALARM OR MONITORING SYSTEM IS INSTALLED, AUTOMATIC FIRE-EXTINGUISHING SYSTEMS SHALL BE MONITORED TO THE CENTRAL SUPERVISING STATION BY THE BUILDING FIRE ALARM OR WATER FLOW SYSTEM IN ACCORDANCE WITH NFPA 72 AND CFC 904.3.5.
- ELEVATOR RECALL SHALL OPERATE PER THE SIGNALS FOUND IN SEQUENCE OF OPERATIONS ON THIS PLAN (NFPA 72, 21.4).
- ALL FIRE ALARM AND WATER FLOW ALARM SYSTEMS UNDERGOING A CHANGE IN CENTRAL SUPERVISING STATION COMPANIES ARE REQUIRED TO BE IMMEDIATELY TESTED IN THE PRESENCE OF OCFA. THIS IS TO VERIFY THAT NEW COMPANY IS APPROPRIATELY RECEIVING NECESSARY SIGNALS, TRANSMITTING EMERGENCY 911 COMMUNICATIONS, AND THAT DEVICES DEDICATED FOR SUPERVISORY AND TROUBLE SIGNALS DO NOT CAUSE AN EMERGENCY RESPONSE. WHEN THE CHANGE OF THE SUPERVISING STATION COMPANY IS NOT PART OF THE NEW CONSTRUCTION INSPECTION ON THESE PLANS, THE RESPONSIBLE PARTY CAUSING THE CHANGE SHALL COMPLETE A NEW SERVICE REQUEST APPLICATION/FEE PROCESS AT OCFA HEADQUARTERS. THE RESPONSIBLE PARTY IS REQUIRED TO GENERATE THE OCFA INSPECTION. NO PLAN REVIEW IS REQUIRED FOR THIS SCOPE OF WORK (CFC 901.9).

APPLICABLE CODES

- 2022 CALIFORNIA FIRE CODE
- 2022 CALIFORNIA BUILDING CODE
- 2022 CALIFORNIA RESIDENTIAL CODE
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
- 2022 CALIFORNIA MECHANICAL CODE
- 2022 CALIFORNIA ELECTRICAL CODE
- 2022 CALIFORNIA PLUMBING CODE
- 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS
- APPLICABLE NFPA STANDARDS:
- LOCALLY ADOPTED ORDINANCES:
- OCFA GUIDELINE
- CONDITIONS OF APPROVAL:

RELATED PLANS

- FIRE MASTER PLAN SR:
- RESIDENTIAL SITE PLAN SR:
- ARCHITECTURAL PLAN SR:

REVISION

- ORIGINAL PLAN SR:
- COPY OF ORIGINAL APPROVED PLAN REQUIRED TO BE SUBMITTED WITH ALL REVISED PLANS.

REVISION SCOPE OF WORK

PROJECT DIRECTORY

CONTRACTOR
 BUSINESS NAME: _____
 CONTACT NAME: _____
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____
 PHONE: _____
 EMAIL: _____
 LICENSE NUMBER: _____

PROPERTY OWNER

BUSINESS NAME: _____
 CONTACT NAME: _____
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____
 PHONE: _____
 EMAIL: _____

7	6	5	4	3	2	1	NO.	DATE
DESIGNED:	DRAWN:	CHECKED:	DATE:	SCALE:				
OCFA REVIEW AND INSPECTIONS (OCFA USE ONLY)								
<input type="checkbox"/> NO OCFA REVIEW REQUIRED <input type="checkbox"/> PLAN REVIEW ONLY <input type="checkbox"/> PLAN REVIEW AND INSPECTION								
PLANS PREPARED BY: _____ ENGINEER								
LICENSE NO. EXP. DATE								
ORANGE COUNTY FIRE AUTHORITY COMMUNITY RISK REDUCTION - PLANNING AND DEVELOPMENT SECTION								
SERVICE REQUEST NUMBER								
SHEET <u> 1 </u>								