

# NEWPORT BEACH FIRE DEPARTMENT



## NFPA 72 FIRE ALARM SYSTEM

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

VICINITY MAP

NBFD STAMP

**PROJECT INFORMATION REQUIREMENTS**  
PROJECT LOCATION:

**DETAILED SCOPE OF WORK**  
NOTE: NBFD 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.  
# GROUP S MOTOR VEHICLE REPAIR AND AIRCRAFT REPAIR REQUIRE 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

**NBFD STANDARD NOTES**

- THE SCOPE OF WORK SHALL BE TESTED BY THE INSTALLING CONTRACTOR PRIOR TO INSPECTION TO DETERMINE THE SYSTEM PROPERLY FUNCTIONS AS APPROVED ON THE PLANS.
- 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 OCCUPYING THE 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 NBFD 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 NBFD 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 NBFD (NFPA72, 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 (NFPA72, 10.6.5.4).
- STORAGE BATTERIES SHALL BE MARKED WITH THE MONTH AND YEAR OF MANUFACTURER (NFPA72, 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/EVAC SYSTEMS) (NFPA72, 10.6.7.2.1, CFC 907.1.2).
- IF A 24 HOUR TEST IS NOT REQUIRED, NBFD COULD REQUIRE A 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 KEYS SHOULD BE PLACED IN THE MAIN FACU OR A SPRINKLER HEAD BOX.
- WHEN TIED TO THE MAIN FIRE ALARM PANEL, DUCT DETECTOR ACTIVATIONS SHALL ONLY CAUSE A SUPERVISORY SIGNAL TO THE CENTRAL STATION.
- INSPECTION, TESTING AND MAINTENANCE SHALL BE PERFORMED AND MAINTAINED PER CH.14 OF NFPA 72 AND THE MANUFACTURER SPECIFICATIONS.
- WHEN A BUILDING FIRE ALARM OR MONITORING SYSTEM IS INSTALLED, AUTOMATIC FIRE-EXTINGUISHING SYSTEMS SHALL BE MONITORED TO THE CENTRAL 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 STATION SUPERVISING COMPANIES ARE REQUIRED TO BE IMMEDIATELY TESTER IN THE PRESENCE OF NBFD. THIS IS TO VERIFY THAT THE NEW COMPANY IS APPROPRIATELY RECEIVING NECESSARY SIGNALS, TRANSMITTING EMERGENCY 911 COMMUNICATIONS, AND THAT THE 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 PRTMIT AND INSPECTION REQUEST WITH NBFD. NO PLAN 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:
- NBFD GUIDELINE
- CONDITIONS OF APPROVAL:

**RELATED PLANS**

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

**REVISION**

- ORIGINAL PLAN :
- 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	DESIGNED:	
6	DRAWN:	
5	CHECKED:	
4	DATE:	
3	SCALE:	
2		
1		
NO.		DATE

REVIEW AND INSPECTIONS (OFFICE USE ONLY)	
<input type="checkbox"/> NO REVIEW REQUIRED PLAN	
<input type="checkbox"/> REVIEW ONLY	
<input type="checkbox"/> PLAN REVIEW AND INSPECTION	

PLANS PREPARED BY: \_\_\_\_\_  
ENGINEER LICENSE NO. EXP. DATE

NEWPORT BEACH FIRE DEPARTMENT

SERVICE REQUEST NUMBER