



**ADDENDUM NO. 3**

**Dated: June 16, 2022**

**For  
IFB NO B22031  
ELEVATOR REPLACEMENTS @  
LEVY GARDENS & SARTINI PLAZA**

All Contractors bidding the project are hereby advised to incorporate the following changes and/or clarifications and related dollar amounts in their bids for the above-referenced project. All conditions described in the project SOW and Specifications shall apply in full force.

- 3.1 **CLARIFICATION:** Addendum No. 2. Question 2.2 noted below, references an attached document which was not issued as indicated. Therefore, it is being issued with this Addendum No. 3 for your information.

**Please note the following question and response issued in Addendum No. 2:**

- 2.2 **Q:** *Is the fire alarm to be updated? There are no specifications or drawings to address any fire alarm upgrades?*
- A:** *All Code-related requirements outlined by Troy Spiger (see attached) must be satisfied as part of the work.*

**END OF ADDENDUM NO. 3**

## 2018 IFC with CLV Amendments

**606.1 Emergency operation.** Existing elevators with a travel distance of 25 feet (7620 mm) or more shall comply with the requirements in Chapter 11. New elevators shall be provided with Phase I emergency recall operation and Phase II emergency in-car operation in accordance with ASME A17.1. No building security, access control or similar system, shall disable or override any new or existing Phase II emergency operations, preventing access to all levels.

## 2018 IBC with CLV Amendments

**3001.2 Emergency elevator communication systems for the deaf, hard of hearing and speech impaired.** An emergency two-way communication system shall be provided that:

1. Is a visual and text-based and a video-based 24/7 live interactive system.
2. Is fully accessible by the deaf, hard of hearing and speech impaired, and shall include voice-only options for hearing individuals.
3. Has the ability to communicate with emergency personnel utilizing existing video conferencing technology, chat/text software or other approved technology.

**3002.3 Emergency signs.** An approved pictorial sign of a standardized design shall be posted adjacent to each elevator call station on all floors instructing occupants to use the exit stairways and not to use the elevators in case of fire. The sign shall read: IN CASE OF FIRE, ELEVATORS ARE OUT OF SERVICE. USE EXIT STAIRS.

Exceptions:

The emergency sign shall not be required for elevators that are part of an accessible means of egress complying with Section 1009.4.

The emergency sign shall not be required for elevators that are used for occupant self-evacuation in accordance with Section 3008.

**3002.4 Elevator car to accommodate ambulance stretcher.** Where elevators are provided in buildings four or more stories above, or four or more stories below, grade plane, not fewer than one elevator, and no less than the minimum number specified in the exception to Section 403.6.1 when provided in lieu of fire service access elevators, shall be provided for fire department emergency access to all floors. The elevator car shall be of such a size and arrangement to accommodate an ambulance stretch 24 inches by 84 inches (601 mm by 2134 mm) with not less than 5-inch (127 mm) radius corners, in the horizontal, open position and shall be identified by the international symbol for emergency medical services (star of life). The symbol shall not be less than 3 inches (76 mm) in height and shall be placed inside on both sides of the hoistway door frame. Such elevators shall open into a lobby providing sufficient area to accommodate transport of a 24-inch by 84-inch (610 mm by 2134 mm) ambulance stretcher.

**3003.1.3 Two or more elevators.** Where two or more elevators are controlled by a common operating system, all elevators shall automatically transfer to standby power within 60 seconds after failure of normal power where the standby power source is of sufficient capacity to operate all elevators at the

same time. Where the standby power source is not of sufficient capacity to operate all elevators at the same time, all elevators shall transfer to standby power in sequence, return to the designated landing and disconnect from the standby power source. After all elevators have been returned to the designated level, not less than one elevator, and all elevators installed in accordance with the exception to Section 403.6.1, shall remain operable from the standby power source.

**3003.1.4 Venting.** Where standby power is connected to elevators, the machine room ventilation or air conditioning shall be connected to the standby power source.

**3003.2 Fire fighters' emergency operation.** Elevators shall be provided with Phase I emergency recall operation and Phase II emergency in-car operation in accordance with ASME A17.1/CSA B44.

**3003.3 Standardized fire service elevator keys.** All elevators shall be equipped to operate with a standardized fire service elevator key in accordance with the International Fire Code.

**3005.2 Venting.** Elevator machine rooms, machinery spaces that contain the driving machine, and control rooms or spaces that contain the operation or motion controller for elevator operation shall be provided with an independent ventilation or air-conditioning system to protect against the over-heating of the electrical equipment. The system shall be capable of maintaining temperatures within the range established for the elevator equipment.

**3005.5 Shunt trip.** Where elevator hoistways, elevator machine rooms, control rooms and control spaces containing elevator control equipment are protected with automatic sprinklers, a means installed in accordance with Section 21.4 of NFPA 72 shall be provided to automatically disconnect the main line power supply to the affected elevator prior to the application of water. This means shall not be self-resetting. The activation of automatic sprinklers outside the hoistway, machine room, machinery space, control room or control space shall not disconnect the main line power supply.

## **2016 NFPA 13 with CLV Amendments**

### **8.15.5 Elevator Hoistways and Machine Rooms.**

8.15.5.1\* Sidewall spray sprinklers shall be installed at the bottom of each elevator hoistway not more than 2 ft (600 mm) above the floor of the pit.

8.15.5.2 The sprinkler required at the bottom of the elevator hoistway by 8.15.5.1 shall not be required for enclosed, non-combustible elevator shafts that do not contain combustible hydraulic fluids.

8.15.5.3 Automatic fire sprinklers shall not be required in elevator machine rooms, elevator machinery spaces, control spaces, or hoistways of traction elevators installed in accordance with the applicable provisions in NFPA 101, or the applicable building code, where all of the following conditions are met:

- (1) The elevator machine room, machinery space, control room, control space, or hoistway of traction elevator is dedicated to elevator equipment only.
- (2) The elevator machine room, machine room, machinery space, control room, control space, or hoistway of traction elevators are protected by smoke detectors, or other automatic fire detection, installed in accordance with NFPA 72.

(3) The elevator machinery space, control room, control space, or hoistway of traction elevators is separated from the remainder of the building by walls and floor/ceiling or roof/ceiling assemblies having a fire resistance rating of not less than that specified by the applicable building code.

## **2016 NFPA 72 with CLV Amendments**

**21.3.3** Unless otherwise required by the authority having jurisdiction, only the elevator lobby, elevator hoistway, elevator machine room, elevator control room, and elevator control space smoke detectors or other automatic fire detection as permitted by 21.3.9 shall be used to initiate elevator Phase I Emergency Recall Operation.

*Exception: A waterflow switch shall be permitted to initiate elevator Phase I Emergency Recall Operation upon activation of a sprinkler installed at the bottom of the elevator hoistway (the elevator pit), provided the waterflow switch and pit sprinkler are installed on a separately valved sprinkler line dedicated solely for protecting the elevator pit, and the waterflow switch is provided without time-delay capability.*

**21.3.6** Smoke detectors shall not be installed in unsprinklered elevator hoistways unless they are installed to activate the elevator hoistway smoke relief equipment or to initiate Phase I Emergency Recall Operation as required in 21.3.13.1(2) and 21.3.13.2(2).

**21.3.7\*** When sprinklers are required in elevator hoistways by other codes or standards, fire alarm initiating devices shall be installed to initiate elevator recall in accordance with 2.27.3.2.1(c) of ANSI/ASME A.17.1/CSA B44, Safety Code for Elevators and Escalators, and the following shall apply:

- (1) Where sprinklers are located above the lowest level of recall, the fire detection device shall be located at the top of the hoistway.
- (2) Where sprinklers are located in the bottom of the hoist-way (the pit), fire detection device(s) shall be installed in the pit in accordance with Chapter 17.
- (3) Outputs to the elevator controller(s) shall comply with 21.3.13.

**21.3.13** Separate outputs from the building fire alarm control unit or the fire alarm control unit described in 21.3.2 to the elevator controller(s) shall be provided to implement elevator Phase I Emergency Recall Operation in accordance with Section 2.27 of ANSI/ASME A17.1/CSA B44, Safety Code for Elevators and Escalators, as required in 21.3.13.1 through 21.3.13.3.

**21.3.13.1** Designated Level Recall. For each elevator or group of elevators, an output shall be provided to signal elevator recall to the designated level in response to the following:

- (1) Activation of smoke detectors or other automatic fire detection as permitted by 21.3.9 located at any elevator lobby served by the elevator(s) other than the lobby at the designated level
- (2) Activation of smoke detectors or other automatic fire detection as permitted by 21.3.9 located at any elevator machine room, elevator machinery space, elevator control space, or elevator control room serving the elevator(s), except where such rooms or spaces are located at the designated level
- (3) Activation of smoke detectors or other automatic fire detection as permitted by 21.3.9 located in the elevator hoistway serving the elevator where sprinklers or elevator control spaces or elevator machinery spaces are located in the hoistway, unless otherwise specified in 21.3.13.2(3)

**21.3.13.2** Alternate Level Recall. For each elevator or group of elevators, an output shall be provided to signal elevator recall to the alternate level in response to the following:

- (1) Activation of smoke detectors, or automatic fire detection as permitted by 21.3.9, located at the designated level lobby served by the elevator(s)
- (2) Activation of smoke detectors, or other automatic fire detection as permitted by 21.3.9, located in the elevator machine room, elevator machinery space, elevator control space, or elevator control room serving the elevator(s) if such rooms or spaces are located at the designated level
- (3)\* Activation of the initiating devices identified in 21.3.13.1(3) if they are installed at or below the lowest level of recall in the elevator hoistway and the alternate level is located above the designated level

#### **21.4 Elevator Shutdown.**

**21.4.1\*** Where heat detectors are used to shut down elevator power prior to sprinkler operation, the detector shall have both a lower temperature rating and a higher sensitivity as compared to the sprinkler.

**21.4.2\*** If heat detectors are used to shut down elevator power prior to sprinkler operation, they shall be placed within 24 in. (610 mm) of each sprinkler and be installed in accordance with the requirements of Chapter 17.

**21.4.3\*** If pressure or waterflow switches are used to shut down elevator power immediately upon, or prior to, the discharge of water from sprinklers, the use of devices with time-delay switches or time-delay capability shall not be permitted.

**21.4.4\*** Control circuits to shut down elevator power shall be monitored for the presence of operating voltage. Loss of voltage to the control circuit for the disconnecting means shall cause a supervisory signal to be indicated at the building fire alarm control unit or at the control unit described in 21.3.2.

**21.4.5** The initiating devices described in 21.4.2 and 21.4.3 shall be monitored for integrity by the fire alarm control unit required in 21.3.1 and 21.3.2.