

**A SUPPLEMENTAL DOCUMENT AMENDING THE INTERNATIONAL
BUILDING CODE, 2018 EDITION**

For local purposes, certain chapters, parts, sections, subsections and other subdivisions of the International Building Code, 2018 Edition (IBC) have been amended, modified, deleted, or added to by the Southern Nevada Amendments to 2018 International Building Code (Amendments).

For City of Las Vegas (CLV) purposes, the provisions of the IBC are added to as provided for in this Supplemental Document. Because the provisions being added are all new, they are not underlined as would be the case when adding new material to existing language.

The general intent of the CLV Amendments contained in this Supplemental Document is to specifically address buildings with an occupied floor level greater than 55' and less than 75' above the lowest level of fire department vehicular access.

If a conflict exists between any provisions of this Supplemental Document and any provisions of the IBC or the Amendments, the provisions of the Supplemental Document shall prevail.

The IBC is amended by adding the following language as Section 429:

**SECTION 429
SPECIAL PROVISIONS FOR BUILDINGS WITH AN OCCUPIED FLOOR GREATER THAN 55' ABOVE
THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICULAR ACCESS**

429.1 Applicability. Buildings with an occupied floor located more than 55 feet above and equal to 75 feet above the lowest level of fire department vehicular access.

Exceptions: The provisions of Section 429.2 through 429.6 shall not apply to the following buildings and structures:

1. Airport traffic control towers in accordance with Section 412.2
2. Open parking garages in accordance with Section 406.5
3. The portion of a building containing a Group A-5 occupancy in accordance with Section 303.6
4. Special industrial occupancies in accordance with Section 503.1.1

429.2 Smoke detection. Smoke detection shall be provided in accordance Section 907.2.12.1.

429.3 Emergency voice/alarm communication. An *emergency voice/alarm communication* system shall be provided in accordance with Section 907.5.2.2.

429.4 Fire Command Center. A *fire command center* complying with Section 911 shall be provided in a location *approved* by the fire code official.

429.5 Standby and Emergency Power. A standby power system complying with Section 2702 and Section 3003 shall be provided for the standby power loads specified in Section 429.5.3. An emergency power system complying with Section 2702 shall be provided for the emergency power loads specified in Section 429.5.4.

429.5.1 Equipment Room. If the standby power or emergency power system includes a generator set inside a building, the system shall be located in a separate room enclosed with 2- hour *fire barriers* constructed in accordance with Section 707 or *horizontal assemblies* constructed in accordance with Section 711, or both. System supervision with manual start and transfer features shall be provided at the *fire command center*.

Submitted At Meeting
Recommending Committee
Date 8/13/18 Item 5

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Exception: In Group I-2, Condition 2, manual start and transfer feature for the critical branch of the emergency power are not required to be provided at the *fire command center*.

429.5.2 Fuel line piping protection. Fuel lines supplying a generator set inside a building shall be separated from areas of the building other than the room the generator is located in by an approved method or assembly that has a fire-resistance rating or not less than 2 hours. Where the building is protected throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2., the required fire-resistance rating shall be reduced to 1 hour.

429.5.3 Standby Power. The following are classified as standby power loads:

1. *Ventilation* and automatic fire detection equipment for *smokeproof enclosures*.
2. Elevators.
3. Where elevators are provided for *accessible means of egress*, fire service access, or occupant self-evacuation, the standby power system shall also comply with 1007.4, 3007, or 3008, as applicable.

429.5.4 Emergency Power. The following are classified as emergency power loads:

1. Exit signs and *means of egress* illumination required by Chapter 10;
2. Elevator car lighting;
3. *Emergency voice/alarm communication systems*;
4. Automatic fire detection systems;
5. Fire alarm systems;
6. Electrically powered fire pumps;
7. Power and lighting for the fire command center required by Section 429.5.

429.6 Smokeproof enclosures. Every required *interior exit stairway* serving floors more than 55' above the lowest level of fire department access shall be a *smokeproof enclosure* in accordance with 909.20 and 1023.11.