ORDINANCE NO. 611 N.S.

AN ORDINANCE OF THE MAYOR AND CITY COUNCIL OF THE CITY OF TOLLESON, ARIZONA, DECLARING THE DOCUMENT ENTITLED, "THE CITY OF TOLLESON BUILDING AND ZONING CODE (FIRE) AMENDMENTS 2024" AS A PUBLIC RECORD; ADOPTING THE "CITY OF TOLLESON BUILDING AND ZONING CODE (FIRE) AMENDMENTS 2024" ATTACHED HERETO AS EXHIBIT A BY REFERENCE AS AN AMENDMENT TO THE CITY OF TOLLESON CODE, AMENDING THE CODE OF THE CITY OF TOLLESON, ARIZONA, CHAPTER 12 LAND USAGE BY AMENDING ARTICLE 12-1 BUILDING REGULATIONS; CONSTRUCTION; SECTION 12-1-20(A)(12)(C) ADOPTION – INTERNATIONAL FIRE CODE, AS FOLLOWS: AMENDING CHAPTER 6 BUILDING SERVICES AND SYSTEMS SECTION; ADDING CHAPTER 12 ENERGY SYSTEMS; AND AMENDING CHAPTER 55 CRYOGENIC FLUIDS; ALL RELATED TO THE ADOPTION OF BUILDING AND ZONING CODE UPDATES; PROVIDING FOR REPEAL OF CONFLICTING ORDINANCES; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR PENALTIES.

WHEREAS, the City Council desires to amend certain Land Use regulations and Building Code requirements in order to promote economic development opportunities while protecting public health, safety, and welfare within the City; and

WHEREAS, that certain document known as the "The City of Tolleson Building and Zoning Code (Fire) Amendments 2024," of which at least three (3) paper copies or one (1) paper copy and one (1) electronic copy are on file with the City Clerk for the City of Tolleson in compliance with A.R.S. § 9-802, as amended, is hereby declared a public record and at all times shall be kept available for public use and inspection; and

WHEREAS, the City Council hereby desires to adopt the City of Tolleson Building and Zoning Code (Fire) Amendments 2024 as provided in this Ordinance.

NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF TOLLESON, ARIZONA, as follows:

Section 1. In General.

The City of Tolleson City Code is hereby amended by amending Chapter 12 Land Usage by amending 12-1 Building Regulations; Construction; Section 12-1-20(A)(12)(C) Adoption – International Fire Code, as follows: amending Chapter 6 Building Services and Systems Section; adding Chapter 12 Energy Systems; and amending Chapter 55 Cryogenic Fluids; to read as set forth in that certain document entitled, "The City of Tolleson Building and Zoning Code (Fire) Amendments 2024," which document is hereby adopted and incorporated by reference as set forth in Exhibit A.

Section 2. Providing for Repeal of Conflicting Ordinances.

All ordinances and parts of ordinances in conflict with the provisions of this Ordinance or any part of the Code adopted herein by reference are hereby repealed.

Section 3. Providing for Severability.

If any section, subsection, sentence, clause, phrase, or portion of this Ordinance or any part of the Code adopted herein by reference is, for any reason, held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions thereof.

Section 4. Providing for Penalties.

A. As stated in Chapter 12 Land Usage: Compliance with the zoning ordinance shall be enforced pursuant to the City Code of the City of Tolleson § 12-1-23 and as generally stated therein violators may be subject to the following:

(1) Any person that violates any provision of the zoning code and/or building codes shall be subject to a civil penalty of a minimum of $250 base fine, up to a maximum of $2,500 for the first violation, a minimum of $300 base fine, up to a maximum of $2,500 for a second violation, and a minimum of $350 base fine, up to a maximum of $2,500 for a third violation in any 24-month period. The dates of the offenses are the determining factor for calculating the 24-month period.

(2) A person found to be responsible for three or more civil violations of the zoning code and/or building codes within any 24-month period shall be deemed to be a habitual offender. Responsibility may be determined by admission, by default judgment or by judgment after hearing. The dates of the offenses are the determining factor for calculating the 24-month period.

(3) The Chief of Police at the request of the Chief Building Official may seek the issuance of a complaint by the Tolleson City Prosecutor for criminal prosecution of a habitual offender or any person who commits a criminal offense as set forth in § 12-1-23. Every criminal action and proceeding under § 12-1-23 shall be commenced and prosecuted in accordance with the laws of the State of Arizona relating to misdemeanors and the Arizona Rules of Criminal Procedure. Criminal penalties may include (1) Upon conviction of a person for a criminal offense, including the habitual offender provisions set forth above, the Court may impose any combination of the following. (i) A sentence of incarceration not to exceed six months in jail. (ii) A base fine not to exceed $2,500, exclusive of penalty assessments prescribed by law. (iii) A term of probation.

B. Nothing provided herein shall be construed to limit the authority or ability of the city to seek civil injunctions to prohibit violations of this chapter or any other lawful remedy, in addition to the criminal penalties set forth in this chapter.

PASSED AND ADOPTED by the Mayor and Council of the City of Tolleson, Arizona this 12th day of November, 2024.

Juan F. Rodriguez
Juan F. Rodriguez (Nov 13, 2024 16:25 MST)

Juan F. Rodriguez, Mayor

ATTEST: Crystal Zamora
Crystal Zamora (Nov 13, 2024 16:40 MST)

Crystal Zamora, City Clerk

APPROVED AS TO FORM:
Justin Pierce (Nov 14, 2024 08:38 MST)

Justin Pierce, City Attorney

Exhibit A is on file in the Tolleson City Clerk's Office located at the Tolleson Civic Center, 9055 West Van Buren Street, Tolleson, AZ 85353, during normal business hours from 7:30 A.M. to 5:30 P.M.

EXHIBIT A

TO

ORDINANCE NO. 611 N.S.

[City of Tolleson Building and Zoning Code (Fire) Amendments 2024]

See following pages.

CITY OF TOLLESON

BUILDING AND ZONING CODE (FIRE) AMENDMENTS 2024

The City Code of the City of Tolleson, amending Chapter 12 Land Usage to read as follows (new text in ALL CAPS; deletions in ~~strikethrough~~):

CHAPTER 12 LAND USAGE

Article 12-1 BUILDING REGULATIONS; CONSTRUCTION

* * *

INTERNATIONAL CODES

* * *

Chapter 6, Building Services and Systems Section

605 MECHANICAL REFRIGERATION

605.1.2 AMMONIA REFRIGERATION. REFRIGERATION SYSTEMS USING AMMONIA REFRIGERANT AND THE BUILDINGS IN WHICH SUCH SYSTEMS ARE INSTALLED SHALL COMPLY WITH ANSI/IIAR CURRENT STANDARDS.

605.6.1.1 MECHANICAL INTEGRITY AUDIT. A COPY OF THIS AUDIT WITH A TIMELINE FOR CORRECTIONS OF DEFICIENCIES SHALL BE SUBMITTED TO THE FIRE CODE OFFICIAL.

605.8 REFRIGERATION DETECTION. MACHINERY ROOMS SHALL BE PROVIDED WITH A REFRIGERANT DETECTOR WITH AN AUDIBLE AND VISIBLE ALARM. WHERE AMMONIA IS USED AS THE REFRIGERANT, DETECTION SHALL COMPLY WITH ANSI/IIAR 2. FOR REFRIGERANTS OTHER THAN AMMONIA, REFRIGERANT DETECTION SHALL COMPLY WITH SECTION 605.8.1. ON-SITE, REMOTE DISPLAY(S) OF AMMONIA DETECTION SHALL BE PROVIDED OUTSIDE A POTENTIAL INITIAL ISOLATION ZONE, WITH LOCATION(S) AND ACCESS APPROVED BY THE AHJ.

~~**606 Mechanical Refrigeration**~~

~~**606.8 Refrigerant Detector.** Machinery rooms shall contain a refrigerant detector with an approved and distinctive audible and visual alarm. The alarm notification devices shall comply with the audible and visual requirements of the National Fire Alarm Code, NFPA 72. A supervisory alarm shall be activated when the mechanical ventilation system fails. The detector, or a sampling tube that draws air to the detector, shall be located in an area where refrigerant from a leak will concentrate. The alarm shall be activated at a value not greater than the corresponding TLV-TWA values shown in the International Mechanical Code. Detectors and alarms shall be placed in one or more locations to assure notifications of all occupants.~~

~~**606.17 Alternative design requirements for anhydrous ammonia refrigeration systems.** Refrigeration systems designed in accordance with ANSI/International Institute of Ammonia Refrigeration Standard 2, Equipment, Design and Installation of Ammonia Mechanical Refrigeration Systems, 1999 edition, and the International Institute of Ammonia Refrigeration, Ammonia Refrigeration Piping Handbook, 2000 edition, shall be exempt from requirements of Sections 602.12.4 and 606.12.5. The design drawings and specifications shall be sealed by an Arizona registered Professional Engineer.~~

~~**606.17.1 Maintenance.** Refrigeration systems shall be maintained in a safe manner that will minimize the life, health, and fire hazard of the installation. Installation shall be in accordance with the International Mechanical Code. Refrigeration systems shall be safely maintained in an operable condition, free from accumulation of oil, direct waste, excessive corrosion, other debris or leaks.~~

~~In addition to the requirements of Chapter 6, anhydrous ammonia refrigeration systems shall be inspected and maintained in accordance with the International Institute of Ammonia Refrigeration Bulletin Number 109, IIAR Minimum Safety Criteria for a Safe Refrigeration System, 1997 edition.~~

~~**606.17.2 Mechanical Integrity Audit.** A Mechanical Integrity Audit shall be performed by an Arizona registered Professional Engineer every five years. A copy of this audit with a timeline for corrections of deficiencies shall be submitted to the Fire Chief or fire Code official.~~

* * *

CHAPTER 12 ENERGY SYSTEMS

SECTION 1201 GENERAL

1201.1 SCOPE. THE PROVISIONS OF THIS CHAPTER SHALL APPLY TO THE INSTALLATION, OPERATION AND MAINTENANCE OF ENERGY SYSTEMS USED FOR GENERATING OR STORING ENERGY~~.~~ UTILIZING BATTERIES OF ANY TYPE, CAPACITORS, MAGNETIC OR ANY OTHER EMERGING TECHNOLOGY, REGARDLESS OF OWNERSHIP OR CONTROL OF THE SYSTEMS. IT SHALL NOT APPLY TO EQUIPMENT ASSOCIATED WITH THE GENERATION, CONTROL, TRANSFORMATION, TRANSMISSION, OR DISTRIBUTION OF ENERGY INSTALLATIONS THAT IS UNDER THE EXCLUSIVE CONTROL OF AN ELECTRIC UTILITY OR LAWFULLY DESIGNATED AGENCY.

* * *

SECTION 1203 EMERGENCY AND STANDBY POWER SYSTEMS

1203.1 GENERAL. EMERGENCY POWER SYSTEMS AND STANDBY POWER SYSTEMS REQUIRED BY THIS CODE OR THE *INTERNATIONAL BUILDING CODE* SHALL COMPLY WITH SECTIONS 1203.1.1 THROUGH 1203.1.9.

1203.1.1 STATIONARY GENERATORS. STATIONARY EMERGENCY AND STANDBY POWER GENERATORS REQUIRED BY THIS CODE SHALL BE LISTED IN ACCORDANCE WITH UL 2200. ASSOCIATED FLAMMABLE OR COMBUSTIBLE LIQUID TANKS SHALL ALSO COMPLY WITH CHAPTERS 50 AND 57 OF THIS CODE.

SECTION 1204 SOLAR PHOTOVOLTAIC POWER SYSTEMS

1204.1 GENERAL. SOLAR PHOTOVOLTAIC SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH SECTIONS 1204.2 THROUGH 1204.5, AND THE *INTERNATIONAL BUILDING CODE* OR *INTERNATIONAL RESIDENTIAL CODE*. THE ELECTRICAL PORTION OF SOLAR PV SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70.

1204.1.1 PERMITS. PERMITS SHALL BE OBTAINED FOR SOLAR VOLTAIC SYSTEMS IN ACCORDANCE WITH SECTION 105.7.21

EXCEPTION: SOLAR PHOTOVOLTAIC SYSTEMS WITH LESS THAN 3 KW ALTERNATING CURRENT NAMEPLATE RATING.

1204.1.2 MARKING. MARKING IS REQUIRED ON INTERIOR AND EXTERIOR DIRECT-CURRENT (DC) CONDUIT, ENCLOSURES, RACE- WAYS, CABLE ASSEMBLIES, JUNCTION BOXES, COMBINER BOXES AND DISCONNECTS.

1204.1.2.1 MATERIALS. THE MATERIALS USED FOR MARKING SHALL BE REFLECTIVE, WEATHER RESISTANT AND SUITABLE FOR THE ENVIRONMENT. MARKING AS REQUIRED IN SECTIONS 1204.1.2 THROUGH 1204.1.3 SHALL HAVE ALL LETTERS CAPITALIZED WITH A MINIMUM HEIGHT OF 3/8 INCH (9.5 MM) WHITE ON RED BACKGROUND.

1204.1.2.2 MARKING CONTENT. THE MARKING SHALL CONTAIN THE WORDS “WARNING: PHOTOVOLTAIC POWER SOURCE.”

1204.1.2.3 MAIN SERVICE DISCONNECT. THE MARKING SHALL BE PLACED ADJACENT TO THE MAIN SERVICE DISCONNECT IN A LOCATION CLEARLY VISIBLE FROM THE LOCATION WHERE THE DISCONNECT IS OPERATED.

1204.1.3 LOCATION OF MARKING. MARKING SHALL BE PLACED ON INTERIOR AND EXTERIOR DC CONDUIT, RACEWAYS, ENCLOSURES AND CABLE ASSEMBLIES EVERY 10 FEET (3048 MM), WITHIN 1 FOOT (305 MM) OF TURNS OR BENDS AND WITHIN 1 FOOT (305 MM) ABOVE AND BELOW PENETRATIONS OF ROOF/CEILING ASSEMBLIES, WALLS, OR BARRIERS.

1204.2 ACCESS AND PATHWAYS. ROOF ACCESS, PATHWAYS, AND SPACING REQUIREMENTS SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 1204.2.1 THROUGH 1204.3.3. PATHWAYS SHALL BE OVER AREAS CAPABLE OF SUPPORTING FIRE FIGHTERS ACCESSING THE ROOF. PATHWAYS SHALL BE LOCATED IN AREAS WITH MINIMAL OBSTRUCTIONS, SUCH AS VENT PIPES, CONDUIT OR MECHANICAL EQUIPMENT.

RESIDENTIAL STRUCTURES SHALL BE DESIGNED SO THAT EACH PHOTOVOLTAIC ARRAY IS NOT GREATER THAN 150 FEET (45 720 MM) BY 150 FEET (45 720 MM) IN EITHER AXIS.

1204.2.1 SOLAR PHOTOVOLTAIC SYSTEMS FOR GROUP R-3 BUILDINGS. SOLAR PHOTOVOLTAIC SYSTEMS FOR GROUP R-3 BUILDINGS SHALL COMPLY WITH SECTIONS 1204.2.1.1 THROUGH ~~1204.2.L.3~~ **1204.2.1.5**.

~~EXCEPTIONS:~~

~~1. THESE REQUIREMENTS SHALL NOT APPLY TO STRUCTURES DESIGNED AND CONSTRUCTED IN ACCORDANCE THE *INTERNATIONAL RESIDENTIAL CODE*.~~

~~2. THESE REQ.1IREMENTS SHALL NOT APPLY TO ROOFS WITH SLOPES OF 2 UNITS VERTICAL IN 12 UNITS HORIZONTAL OR LESS.~~

1204.2.1.1 ROOF ACCESS POINTS. ROOF ACCESS POINTS SHALL BE LOCATED IN AREAS THAT DO NOT REQUIRE THE PLACEMENT OF GROUND LADDERS OVER OPENINGS SUCH AS WINDOWS OR DOORS AND LOCATED AT STRONG POINTS OF BUILDING CONSTRUCTION IN LOCATIONS WHERE THE ACCESS POINT DOES NOT CONFLICT WITH OVERHEAD OBSTRUCTIONS SUCH AS TREE LIMBS, WIRES, OR SIGNS.

1204.2.1.2 RESIDENTIAL BUILDINGS WITH HIP ROOF LAYOUTS. PANELS OR MODULES INSTALLED ON RESIDENTIAL BUILDINGS WITH HIP ROOF LAYOUTS SHALL BE LOCATED IN A MANNER THAT PROVIDES TWO 3-FOOT-WIDE (914 MM) CLEAR ACCESS PATHWAY FROM THE EAVE TO THE RIDGE ON EACH ROOF SLOPE WHERE PANELS OR MODULES ARE LOCATED.

1204.2.1.3 RESIDENTIAL BUILDINGS WITH A SINGLE RIDGE. PANELS/MODULES INSTALLED ON RESIDENTIAL BUILDINGS WITH A SINGLE RIDGE SHALL BE LOCATED IN A MANNER THAT PROVIDES TWO 3-FOOT-WIDE (914 MM) ACCESS PATHWAYS FROM THE EAVE TO THE RIDGE ON EACH ROOF SLOPE WHERE PANELS/MODULES ARE LOCATED.

1204.2.1.4 RESIDENTIAL BUILDINGS WITH ROOF HIPS AND VALLEYS. PANELS OR MODULES INSTALLED ON RESIDENTIAL BUILDINGS WITH ROOF HIPS AND VALLEYS SHALL BE LOCATED NOT CLOSER THAN 18 INCHES (457 MM) TO A HIP OR A VALLEY WHERE PANELS OR MODULES ARE TO BE PLACED ON BOTH SIDES OF A HIP OR VALLEY. WHERE PANELS ARE TO BE LOCATED ON ONLY ONE SIDE OF A HIP OR VALLEY THAT IS OF EQUAL LENGTH, THE PANELS SHALL BE PERMITTED TO BE PLACED DIRECTLY ADJACENT TO THE HIP OR VALLEY.

1204.2.1.5 RESIDENTIAL BUILDING SMOKE VENTILATION. PANELS/MODULES INSTALLED ON RESIDENTIAL BUILDINGS SHALL BE LOCATED NO HIGHER THAN 3

FEET (914 MM) BELOW THE RIDGE IN ORDER TO ALLOW FOR FIRE DEPARTMENT SMOKE VENTILATION OPERATIONS.

* * *

1204.3 OTHER THAN GROUP R-3 BUILDINGS. ACCESS TO SYSTEMS FOR BUILDINGS, OTHER THAN THOSE CONTAINING GROUP R-3 OCCUPANCIES, SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 1204.3.1 THROUGH 1204.3.3.

EXCEPTION: WHERE IT IS DETERMINED BY THE *FIRE CODE OFFICIAL* THAT THE ROOF CONFIGURATION IS SIMILAR TO THAT OF A GROUP R-3 OCCUPANCY, THE RESIDENTIAL ACCESS AND VENTILATION REQUIREMENTS IN SECTIONS 1204.2.1.1 THROUGH ~~1204.2.1.3~~ **1204.2.1.5** ARE A SUITABLE ALTERNATIVE.

* * *

1204.3.2 INTERIOR PATHWAYS. INTERIOR PATHWAYS SHALL BE PROVIDED BETWEEN ARRAY SECTIONS TO MEET THE FOLLOWING REQUIREMENTS:

* * *

4. THE PATHWAY SHALL BE OVER AREAS CAPABLE OF SUPPORTING THE LIVE LOAD OF FIREFIGHTERS ACCESSING THE ROOF.

5. THE CENTERLINE AXIS PATHWAYS SHALL BE PROVIDED IN BOTH AXES OF THE ROOF. CENTERLINE AXIS PATHWAYS SHALL RUN WHERE THE ROOF STRUCTURE IS CAPABLE OF SUPPORTING THE LIVE LOAD OF FIRE FIGHTERS ACCESSING THE ROOF.

1204.3.3 SMOKE VENTILATION. THE SOLAR INSTALLATION SHALL BE DESIGNED TO MEET THE FOLLOWING REQUIREMENTS:

* * *

3. ~~A PATHWAY NOT LESS THAN 4 FEET (1219 MM) WIDE BORDERING 4 FOOT BY 8 FOOT (1219 MM BY 2438 MM) VENTING CUTOUTS EVERY 20 FEET (6096 MM) ON ALTERNATING SIDES OF THE PATHWAYS.~~ ARRAYS SHALL BE NOT GREATER THAN 150 FEET (45 720 MM) BY 150 FEET (45 720 MM) IN DISTANCE IN EITHER AXIS IN ORDER TO CREATE OPPORTUNITIES FOR FIRE DEPARTMENT SMOKE VENTILATION OPERATIONS.

* * *

SECTION 1206 ELECTRICAL ENERGY STORAGE SYSTEMS

1206.1 SCOPE. THE PROVISIONS IN THIS SECTION ARE APPLICABLE TO ENERGY STORAGE SYSTEMS DESIGNED TO PROVIDE ELECTRICAL POWER TO A BUILDING OR FACILITY. THESE SYSTEMS ARE USED TO PROVIDE STANDBY OR EMERGENCY POWER, AN UNINTERRUPTABLE POWER SUPPLY, LOAD SHEDDING, LOAD SHARING OR SIMILAR CAPABILITIES.

1206.2 STATIONARY STORAGE BATTERY SYSTEMS. STATIONARY STORAGE BATTERY SYSTEMS HAVING CAPACITIES EXCEEDING THE VALUES SHOWN IN TABLE 1206.2 SHALL COMPLY WITH SECTION 1206.2.1 THROUGH 1206.2.13.6, AS APPLICABLE. APPROVED SIGNAGE IS REQUIRED FOR ALL INSTALLATIONS.

1206.2.1 PERMITS. PERMITS SHALL BE OBTAINED FOR THE CONSTRUCTION OF STATIONARY STORAGE BATTERY SYSTEMS WITH A CAPACITY OF 3 KWH OR MORE, IN ACCORDANCE WITH SECTION 105.7.2.

* * *

1206.2.3 HAZARD MITIGATION ANALYSIS. A FAILURE MODES AND EFFECTS ANALYSIS (FMEA) OR OTHER APPROVED HAZARD MITIGATION ANALYSIS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 104.7.2 UNDER ANY OF THE FOLLOWING CONDITIONS:

4. WHERE REQUIRED BY THE *FIRE CODE OFFICIAL*.

* * *

1206.2.3.1 FAULT CONDITION. THE HAZARD MITIGATION ANALYSIS SHALL EVALUATE THE CONSEQUENCES OF THE FOLLOWING FAILURE MODES, AND OTHERS DEEMED NECESSARY BY THE *FIRE CODE OFFICIAL*. ONLY SINGLE-FAILURE MODES SHALL BE CONSIDERED.

* * *

8. FAILURE OF TEMPERATURE CONTROL.

* * *

1206.2.3.6 FORENSIC ANALYSIS. THE *FIRE CODE OFFICIAL* MAY ALSO REQUIRE A FORENSIC ANALYSIS OF THE CAUSE OF FAILURE BY AN INDEPENDENT LABORATORY APPROVED BY THE *FIRE CODE OFFICIAL* IN ACCORDANCE WITH SECTION 104.10.2.

* * *

1206.2.8.3 STATIONARY BATTERY ARRAYS. STORAGE BATTERIES, PREPACKAGED STATIONARY STORAGE BATTERY SYSTEMS AND PRE-ENGINEERED STATIONARY STORAGE BATTERY SYSTEMS SHALL BE SEGREGATED INTO STATIONARY BATTERY ARRAYS NOT EXCEEDING 50 KWH (180 MEGAJOULES) EACH. EACH STATIONARY BATTERY ARRAY SHALL BE SPACED NOT LESS THAN 3 FEET (914 MM) FROM OTHER STATIONARY BATTERY ARRAYS AND FROM WALLS IN THE STORAGE ROOM OR AREA. THE STORAGE ARRANGEMENTS SHALL COMPLY WITH CHAPTER 10.

* * *

2. LISTED PRE-ENGINEERED STATIONARY STORAGE BATTERY SYSTEMS AND PREPACKAGED STATIONARY STORAGE BATTERY SYSTEMS SHALL NOT EXCEED 250 KWH (900 MEGAJOULES) EACH, WHERE APPROVED BY THE *FIRE CODE OFFICIAL.*

* * *

1206.2.8.7.1 SEPARATION. STATIONARY STORAGE BATTERY SYSTEMS LOCATED OUTDOORS SHALL BE SEPARATED BY ~~A MINIMUM 5 FEET (1524 MM~~) **NOT LESS THAN 10 FEET (3048 MM)** FROM THE FOLLOWING:

* * *

1206.2.11.3 EXHAUST VENTILATION. WHERE REQUIRED BY TABLE 1206.2.10, VENTILATION OF ROOMS CONTAINING *STATIONARY STORAGE BATTERY SYSTEMS* SHALL BE PROVIDED IN ACCORDANCE WITH THE *INTERNATIONAL MECHANICAL CODE* AND ONE OF THE FOLLOWING:

* * *

1206.4 ENERGY STORAGE SYSTEM IN GROUP R-3 AND R-4 OCCUPANCIES. ENERGY STORAGE SYSTEMS IN GROUP R-3 AND R-4 OCCUPANCIES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THIS SECTION. THE TEMPORARY USE OF AN OWNER OR OCCUPANT'S ELECTRIC-POWERED VEHICLE AS AN ENERGY STORAGE SYSTEM SHALL BE IN ACCORDANCE WITH THIS SECTION.

EXCEPTION: ENERGY STORAGE SYSTEMS IN GROUP R-3 AND R-4 OCCUPANCIES WITH A CAPACITY OF 3 KWH OR LESS.

* * *

1206.4.3 LOCATION. ENERGY STORAGE SYSTEMS SHALL ONLY BE INSTALLED IN THE FOLLOWING LOCATIONS:

* * *

4. ~~UTILITY CLOSETS AND STORAGE OR UTILITY SPACES \WITHIN DWELLING UNITS AND SLEEPING UNITS~~ OTHER LOCATIONS WITH *FIRE MARSHAL APPROVAL*.

1206.4.3.1 EXTERIOR WALL AND OUTDOOR INSTALLATIONS. ENERGY STORAGE SYSTEMS SHALL BE PERMITTED TO BE INSTALLED OUTDOORS ON EXTERIOR WALLS OF BUILDINGS OR ON THE GROUND WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET:

* * *

2. ~~THE ENERGY STORAGE SYSTEM SHALL COMPLY WITH APPLICABLE REQUIREMENTS IN SECTIONS 1206~~ THE INSTALLATION IS IN ACCORDANCE WITH ZONING SETBACK REQUIREMENTS.

* * *

1206.4.4 ENERGY RATINGS. INDIVIDUAL ENERGY STORAGE SYSTEMS UNITS SHALL HAVE A MAXIMUM RATING OF 20 KWH.

THE AGGREGATE RATING STRUCTURE SHALL NOT EXCEED:

~~I. 40 KWH WITHIN UTILITY CLOSETS AND STORAGE OR UTILITY SPACES.~~

1.~~2.~~ 80 KWH IN ATTACHED OR DETACHED GARAGES AND DETACHED ACCESSORY STRUCTURES.

2.~~3~~. 80 KWH ON EXTERIOR WALLS.

3.~~4.~~ 80 KWH OUTDOORS ON THE GROUND.

* * *

Chapter 55 Cryogenic Fluids

5501.1 Scope

Storage, use and handling of cryogenic fluids shall comply with this chapter and National Fire Protection standard NFPA 55, Compressed Gases and Cryogenic Fluids Code, 2010 edition. Where there is a conflict between the International Fire Code, 2018 edition and NFPA 55, 2010 edition, the more restrictive provision shall apply. Cryogenic fluids shall also comply with Chapter 50 requirements. Partially full containers containing residual cryogenic fluids shall be considered as full for the purposes of the controls required.

* * *

~~(16) The City of Tolleson Standard Detail Fireline Backflow Prevention Assembly, dated November 17, 2014.~~

[DELETE DIAGRAM.]