

ORDINANCE 797-22

AN ORDINANCE OF THE COMMON COUNCIL OF THE TOWN OF QUEEN CREEK, ARIZONA, AMENDING THE QUEEN CREEK TOWN CODE, CHAPTER SEVEN, ARTICLE 7.1 “ADMINISTRATION” AND ARTICLE 7.2 “AMENDMENTS”; ADOPTING UPDATED BUILDING CONSTRUCTION CODES AND STANDARDS; PROVIDING FOR PENALTIES AND ENFORCEMENT; REPEALING ALL ORDINANCES OF THE TOWN OF QUEEN CREEK IN CONFLICT THEREWITH AND SETTING AN EFFECTIVE DATE.

WHEREAS, the Mayor and Council previously adopted Chapter 7 of the Queen Creek Town Code, to protect the public health, safety and welfare and public and private property controlling the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use and maintenance of heating, cooling, ventilating, process piping, refrigerator systems, incinerator or other heat-producing appliance and to adopt certain rules and regulations to regulate the erection, construction, enlargement, alteration, repair, moving, removal, and demolition, conversion, occupancy, equipment, use, height, area and maintenance of all buildings, structures, or premises, and

WHEREAS, the Town desires to continue to bring uniformity to the building community and to promote the use of current established construction procedures and materials; and

WHEREAS, the International Codes adopted by in Chapter 7 have been updated; and

WHEREAS, the Town Council has determined it is in the best interest of the Town to make contemporaneous additional revisions to improve Chapter 7 of the Town Code; and

WHEREAS, the Town has deemed it necessary to allow for a grace period after the adoption date of this ordinance before the new Codes go into effect, to allow builders, designers, and staff adequate time to prepare for the application of the updated International Codes and the amendments to the Town Code; and

NOW, THEREFORE, BE IT ORDAINED by the Common Council of the Town of Queen Creek, Arizona as follows:

Section 1: Town Code Chapter Seven “Building & Building Regulations”, Articles 7.1 “Administration” and 7.2 “Amendments”, are hereby amended as set forth in Exhibit A entitled “CHAPTER 7 BUILDINGS AND BUILDING REGULATION {Revisions only}” (additions in Red Underline, removals in ~~Red Strikethrough~~ and “. . .” indicating unchanged text not shown) attached to this Ordinance and incorporated in full herein as part of this Ordinance, and adopted as part of the Town Code.

Section 2: Article 7 is further amended to: (i) replace the term “ “This Code” ” with “the Town Building Code”; (ii) replace references to “Section 7.1” to Article 7.1; and (iii) replace “Section 7.2” with “Article 7.2” . .

Section 3: The following listed publications are hereby adopted by reference and declared to be public records, as if fully set out at length in this Ordinance. These codes will replace the Codes referenced in Section 7.1.1.2 Scope and references in Chapter 7 shall be to the edition date listed below. Three copies of each publication are on file and are available for public use and inspection during normal business hours in the office of the Town Clerk.

International Building Code, 2021 edition
International Residential Code, 2021 edition
International Mechanical Code, 2021 edition
National Electrical Code, 2020 edition
International Plumbing Code, 2021 edition
International Fuel Gas Code, 2021 edition,
International Existing Building Code, 2021 edition
International Energy Conservation Code, 2021 edition
International Property Maintenance Code, 2021 edition
International Urban-Wildland Interface Code, 2021 edition
International Pool and Spa Code, 2021 Edition
International Fire Code, 2021 edition

Section 4: All ordinances or parts of ordinances or resolutions in conflict with the provisions of this ordinances or any part of the Queen Creek Town Code adopted herein are hereby repealed, effective as of the effective date of this Ordinance.

Section 5: If any section, subsection, sentence, clause, phrase or portion of this Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision and such holding shall not affect the validity of the remaining portions of this Ordinance or parts thereof.

Section 6: Chapter 7, Article 7.10 is amended by deleting Article 7-10 and replacing it with the following:

Article 7-10 PENALTY

7-10-1 Civil Violation

Except as otherwise provided in the Town Code, any violation of Chapter 7 is a Civil Offense subject to the provisions of Section 9-21-2 of the Town Code.

7-10-2 Nuisance

In addition to any and all penalties and remedies available, repeated violations of the provisions of this Chapter are declared to be a nuisance under Chapter 10 of the Town Code that are a threat to public health, safety, and/or welfare.

Section 7: Pursuant to Article 1-11 of the Town Code the Town Manager, Town Clerk and Town Attorney are authorized to correct any other errors, update any references and citation to codes, resolve any conflicts, conform the amended Chapter 7 to the format of the Town Code, and take the corrective actions specified under Article 1-11 in Chapter 7 of the Town Code.

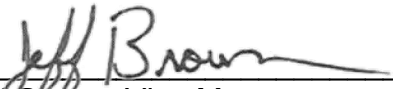
Section 8: This Ordinance shall become effective 12:01 AM January 1, 2023 for all permits applied for after January 1, 2023, except that applicants may submit applications which depict compliance with the existing Chapter 7 of the Town Code, until March 31, 2023.

Section 9: The Town Clerk is hereby directed to publish this adopting ordinance in full and to keep at least 3 copies of Exhibit A available to the public during regular business hours.

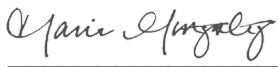
PASSED AND ADOPTED by the Common Council of the Town of Queen Creek, Arizona this 19th day of October 2022.

FOR THE TOWN OF QUEEN CREEK

ATTESTED TO:



Jeff Brown, Vice Mayor



Maria Gonzalez, Town Clerk

REVIEWED BY:

APPROVED AS TO FORM:


John Kross, Oct 20, 2022 12:29 PDT

John Kross, ICMA-CM
Town Manager



Dickinson Wright PLLC
Attorneys for the Town

CHAPTER 7 BUILDINGS AND BUILDING REGULATION
{Revisions only}

SECTION ARTICLE 7.1 – ADMINISTRATION

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7.1.1.2 Scope

International Building Code, ~~2012~~2021 edition
International Residential Code, ~~2012~~2021 edition
International Mechanical Code, ~~2012~~2021 edition
National Electrical Code, ~~2011~~2020 edition
International Plumbing Code, ~~2012~~2021 edition
International Fuel Gas Code, ~~2012~~2021 edition,
International Existing Building Code, ~~2012~~2021 edition
International Energy Conservation Code, ~~2012~~2021 edition
International Property Maintenance Code, ~~2012~~2021 edition
International Urban-Wildland Interface Code, ~~2012~~2021 edition
International Pool and Spa Code, 2021 Edition
International Fire Code, ~~2012~~2021 edition

7.1.1.4 Technical codes . . . ~~Where references to private swimming pools, spas or hot tubs are indicated in "This Code", it shall be amended and the requirements shall meet Appendix G of the 2021 International Residential Code, as amended in Section 7.2.2.~~

[References in Sections 7.1.1.4.1 through ~~7.1.1.4.11~~ 7.1.1.4.12 shall be changed to those listed in Section ~~7.1.1.2.~~]

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7.1.1.4.7 Existing Building Code. . . .5

Exception:

Buildings not previously occupied. . . . ~~or with any current permit for such occupancy.~~

7.1.1.4.11 International Pool and Spa Code, 2021 Edition. The provisions of the 2021 *International Pool and Spa Code* shall apply to the construction, alteration, movement, repair, maintenance and use of aquatic recreation facilities, pools, and spas in this jurisdiction.

7.1.1.4.12 Fire Code. . . .

~~7.1.1.4.12 International Pool and Spa Code, 2021 Edition.~~

7.1.1.5 Definitions. . . .

Certificate Letter of Compliance -

Partial Certificate of Occupancy - A Certificate that is intended to acknowledge that some of the building features may not be completed even though the building is safe, or that a portion of the building can be safely occupied while work continues in another area. ~~Temporary~~Partial Certificates would be issued only when incidental construction remains, such as site work that is not necessary for the safety of people, whether employees or the general public. A Partial Certificate of Occupancy shall not be issued ~~if~~until the building or structure ~~does not contain~~contains all of the required fire protection systems, sanitary facilities, vehicle parking, and a complete, code compliant means of egress for the area to be occupied.

Revisions - Revisions are documents or other data submitted by applicants seeking to change ~~the previously~~ approved plans, for which a permit has been issued, and remains in force, ~~such that the scope of the original permit.~~

R-3 (IRC) Occupancies - Detached one- and two-family dwellings and townhouses not more than three stories above grade in height with a separate means of egress and their accessory structures regulated by the International Residential Code for One and Two-family Dwellings. ~~Detached one and two-family dwellings and townhouses used as residential group homes regulated by the International Building Code with 1 to 5 clients. Residential group homes must also be licensed by the State of Arizona or the applicable County having jurisdiction for licensing.~~

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R-4 Occupancies - Detached one and two-family dwellings and townhouses used as residential group homes regulated by the International Building Code ~~with 6 to 10 clients. Residential group homes must also be licensed by the State of Arizona or the applicable County having jurisdiction for licensing.~~

Standard Plans - Plans ~~that are~~ reviewed ~~and~~ approved and ~~intended~~ to be used in construction on a repetitive basis. Standard plans may include options allowing variations ~~or options~~ to the building design that may alter the interior and exterior appearance or add area to the structure.

Temporary Certificate of Occupancy - A Certificate that is intended to acknowledge that some of the building ~~features~~ ~~elements~~ may not be completed even though the building or structure is safe, ~~or that a portion of the building can~~ be safely occupied ~~while work continues in another area.~~ Temporary Certificates would be issued only when incidental construction remains, ~~such as site work that to be completed, which~~ is not necessary for the safety of people, whether employees or the general public. A Temporary Certificate of Occupancy shall not be issued ~~if precludes the occupancy of~~ until the building or structure ~~that does not contain~~ contains all of the required fire protection systems, sanitary facilities, vehicle parking, and complete, code compliant means of egress.

...

SECTION 7.1.3 - DUTIES AND POWERS OF BUILDING OFFICIAL

7.1.3.2 Applications and permits. The Building Official shall receive electronic applications, review electronic construction electronic documents and issue permits for the erection, alteration, demolition and moving of buildings and structures, inspect the premises for which such permits have been issued, and enforce compliance with the provisions of ~~"This Code"~~ the Town Building Code and other laws and ordinances of the jurisdiction.

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...

7.1.3.4 Inspections. The Building Official shall make all of the required inspections, or the Building Official shall have the authority to accept electronic reports of inspection by approved agencies or individuals. ~~Reports~~ Electronic reports of such inspections shall ~~be in writing and~~ be certified by a responsible officer of such approved agency or by the responsible individual. The Building Official is authorized to engage such expert opinion as deemed necessary to report upon unusual technical issues that arise.

7.1.4.2.1 International Building Code and the International Residential Code.

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15. Window replacement with the same style window in the same opening. Emergency escape and rescue openings, swimming pool barrier requirements, and egress requirements must be maintained.

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7.1.4.2.3 National Electrical Code.

8. Reinstallation of plug receptacles, but not the ~~outlets therefore~~ wiring or receptacle outlet boxes thereto.

...

7.1.4.2.7 Repairs.

... Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or cutting of any structural beam or load-bearing support, or the removal or change of any required means of egress, doors, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repairs include addition to, alteration of, replacement or relocation of any standpipe, water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping, electric wiring or mechanical or other work affecting public health or general safety.

...

7.1.4.3 Application for permit. To obtain a permit, the applicant shall first file an electronic application therefore in ~~writing on a form~~the electronic permit issuance system furnished by the department of building safety for that purpose. Such application shall:

8. Contractor Licensing requirement. When the Town requires the issuance of a building permit as a condition precedent to the construction, alteration, improvement, demolition or repair of a building, structure or other improvement to real property other than a single family detached dwelling and its accessory structures, as part of the application procedures, the ~~T~~Town shall require that each applicant for a building permit file a signed statement that the contractor is currently licensed under the provisions of this chapter with the contractor's license number and the privilege license number as required pursuant to ARS section 42-500532-1169 A. ...

Exception:

~~Permits for Single Family Detached Dwellings Pursuant to ARS section 32-1121 A, permits for single family detached dwellings~~ and their accessory structures may be issued to the owner if the structure, group of structures or appurtenances, including the improvements thereto, are intended for occupancy solely by the owner and are not intended for occupancy by members of the public as the owner's employees or business visitors and the structures or appurtenances are not intended for sale or for rent. ...

7.1.4.3.1 Action on application. ... The Building Official shall determine the Site Permit scope of work for the Site Permit.

...

~~**7.1.4.8 Dust Control.** Prior to the issuance of a permit, the owner or contractor causing or performing the work indicated within the permit, shall furnish a written plan, approved by Maricopa or Pinal County (if applicable), specifying the methods or means of controlling dust in accordance with County regulations concerning fugitive dust sources. For the purposes of this section, dust means all fugitive particulate matter as defined by applicable Maricopa or Pinal County fugitive dust regulations.~~

7.1.4.97.1.4.8 Responsibility. It shall be the duty of every person who performs work for the installation or repair of building, structure, electrical, gas, mechanical or plumbing systems to comply with ~~"This Code"~~the Town Building Code or any other ordinances of this jurisdiction.

SECTION 7.1.5 - CONSTRUCTION DOCUMENTS

7.1.5.1 Submittal documents. Construction documents, special inspection and structural observation programs, and other data shall be submitted ~~in one or more sets~~ with each application for a permit ...

7.1.5.1.1 Information on Construction Documents. ~~Construction~~Electronic construction documents shall be dimensioned and drawn to scale ~~upon suitable material, and saved in an approved PDF format.~~ Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of ~~"This Code"~~the Town Building Code and relevant laws, ordinances, rules, and regulations of the jurisdiction, as determined by the Building Official or duly authorized Town representative.

The construction documents shall contain, at a minimum, a cover sheet(s) indicating the name, address, and phone numbers of project owner(s), design professionals and contractors (, if known)-. The cover sheet shall also contain information regarding the Code review as performed by the design professional, including the size of the building, type of construction and type(s) of, occupancy classifications, area and height modifications (if any), modification calculations, fire sprinklers (if any), special inspections required, deferred items, and other information as directed by the Building Official.

...

7.1.5.1.3 Standard Plans. The applicant shall submit the site drawings, application, and other documents as required for permits to construct the approved Standard Plan in accordance with "This Code"the Town Building Code, the applicable technical codes and, relevant laws, ordinances, rules, and regulations.

7.1.5.1.4 Fire protection system ~~shop drawings~~. Shop drawings plans and documents. Electronic plans and documents for the design of the fire protection system(s) shall be submitted to indicate conformance with "This Code"the Town Building Code. Fire protection plans and the construction documents and shall must be reviewed, approved, and a fire permit issued by the Fire Marshal prior to the start of system installation. Shop drawings Plans and construction documents shall contain all information as required by the referenced installation standards.

7.1.5.1.5 Means of egress. The construction documents shall show in sufficient detail the location, construction, size and character of all portions of the means of egress system in compliance with the provisions of "This Code"the Town Building Code. The construction documents shall designate the number of occupants to be accommodated on every floor, and in all rooms and spaces.

...

7.1.5.1.7 Manufacturer's Instructions. The construction documents shall include manufacturer's installation instructions that provide supporting documentation that the proposed penetration and opening details described in the construction documents maintain the weather resistance of the exterior wall envelope. The supporting documentation shall fully describe the exterior wall system, which was tested, where applicable, as well as the test procedure used.

...

7.1.5.3 Examination of documents. The Building Official shall examine or cause to be examined the accompanying construction documents and shall ascertain by such examinations whether the construction indicated and described is in accordance with the requirements of "This Code"the Town Building Code and other pertinent laws or ordinances. If the construction documents are found to be delinquent, lack sufficient information to determine compliance with the Town Building Code, or contain violations of the Town Building Code or applicable laws and ordinances, a written electronic report of corrections will be forwarded to the applicant along with the contact information of the plans examiners who conducted the reviews.

7.1.5.4 Approval of construction documents. When the Town issues a permit, the construction documents shall be approved, in writing or by stamp, as "Reviewed for Code Compliance" or other such designation as required by the Town. One set of An approved electronic file of the construction documents so reviewed shall be retained by the Building Official. A second An approved set electronic file of the construction documents shall be returned furnished to the applicant, and the applicant shall be kept at the provide a legible, printed paper copy of the construction documents on the job site of work and they shall be open to inspection by the Building Official or any duly authorized Town representative.

...

7.1.5.8 Retention of Construction Documents. One set electronic file of the approved construction documents shall be retained by the Building Official for a period of not less than 180 days, from date of final approval or issuance of a Certificate of Occupancy of the permitted work, or as required by state or local laws.

SECTION 7.1.7 - FEES

7.1.7.1 Payment of fees. A permit shall not be valid ~~or issued~~ until the fees prescribed by law have been paid ~~in full~~, nor shall a revision to a permit be released until the additional fee, if any, has been paid. A fee for each permit shall be paid as required, in accordance with the currently adopted fee schedule as established by the Town. Permit fees shall be paid at the time of issuance of a permit.

...

7.1.7.3 Work commenced before permit issuance. Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits or approvals shall be subject to an "Unauthorized Construction" fee ~~equal to, and~~ in addition to, the required permit fees. ...

...

7.1.7.5 Refunds. The Building Official shall be permitted to authorize refunding of a fee paid hereunder which was erroneously paid or collected. The Building Official shall be permitted to authorize refunding of the permit fee paid when no work has been done under a permit issued in accordance with ~~"This Code"~~the Town Building Code. The Building Official shall be permitted to authorize refunding of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any examination time ~~PLAN REVIEW EFFORT~~has commenced or plan review effort has been expended. The amount of refunds shall be as indicated under the currently adopted fee schedule. ...

SECTION 7.1.8 – INSPECTIONS

...

7.1.8.3.4 Frame inspection. Framing inspections shall be made after the roof deck or sheathing, all framing, ~~fire blocking~~fire blocking, and bracing are in place, pipes, chimneys and vents to be concealed are complete and the rough electrical, plumbing, mechanical, wires, pipes and ducts are installed and after the roof is loaded with the roof covering material or material that would equal the weight of the finished roofing material. Roof decking or sheathing may be inspected before the roof covering or material of equal weight is applied. The weather-resistive barrier must be applied to the exterior walls after the strap and shear inspection has been approved and prior to the request for a framing inspection.

SECTION 7.1.9 - CERTIFICATE OF OCCUPANCY/COMPLIANCE

7.1.9.2 Certificate of Occupancy

...

Exception:

A single family, detached dwelling ~~unit~~units, designated as an R-3 occupancies, and ~~its~~their detached accessory ~~structures~~dwelling units, regulated under the International Residential Code ~~unless specifically requested will receive a Certificate of Occupancy applied to the interior of the electric service at the time of final inspection approval. The Certificate of Occupancy shall be of any form approved by the permit holder or owner~~Building Official.

...

7.1.9.6 Posting.

...

Exception:

Single family, detached dwelling unit and its accessory dwelling structures.

7.1.12.3 Prosecution of violation. If the notice of violation is not complied with promptly, ~~the violation may be prosecuted as Civil Offense and/or a nuisance as provided in Article 7-10. In addition, the Town~~

may the Building Official is authorized to request the legal counsel of the jurisdiction to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the building or structure in violation of the provisions of "This Code" the Town Building Code or of the order or direction made pursuant thereto.

7.1.12.4 Violation penalties. Any person who violates a provision of "This Code" the Town Building Code or fails to comply with any of the requirements thereof or who erects, constructs, alters or repairs a building or structure in violation of the approved construction documents or directive of the Building Official, or of a permit or certificate issued under the provisions of "This Code", the Town Building Code shall be subject to penalties as prescribed by law, including Section 7-10. The violations of "This Code" the Town Building Code are in addition to any other violation established by law.

...

7.1.14.5 Emergency Repairs. When a condition of imminent danger exists, the Building Official shall may employ the necessary labor and materials to perform the required work as expeditiously as possible. In addition to all other remedies available to the Town under law, equity, statute or the Town Code, the Town shall may institute appropriate action against the owner of the premises where the unsafe structure is or was located for the recovery of costs incurred for emergency repairs.

SECTION 7.2 AMENDMENTS TO ADOPTED CODES

...

INSTITUTIONAL GROUP I

308.2.3 Six to 10 Persons receiving care. A facility such as above, housing not fewer than six and not more than 10 persons receiving such care, may be classified as Group R-4.

308.3 Institutional Group I-1. This occupancy shall include buildings, structures or portions thereof for more than 16 persons who reside on a 24-hour basis in a supervised environment, receive custodial care, and are capable of self-preservation. This group shall include, but not be limited to, the following:

Alcohol and drug centers
Assisted living facilities
~~Assisted living centers~~
Congregate care facilities
Convalescent facilities
~~Group homes~~
Halfway houses
Residential board and custodial care facilities
Social rehabilitation facilities

308.3.4 2.4 Five or fewer persons receiving care. A licensed care facility such as above with five or fewer persons receiving care shall be classified as a Group R-3 and shall comply with the International Residential Code.

308.3.2 Six to Ten Persons Receiving Care. 308.3 A facility such as above, housing not fewer than six and not more than 10 persons receiving such care, may be classified as Group R-4. **308.4 Institutional Group I-2.** ...

308.4.1 3.2 Five or fewer persons receiving care. ...

SECTION 310

310.2 Definitions The following terms are defined in Chapter 2:

ASSISTED LIVING FACILITY
ASSISTED LIVING CENTER

ASSISTED LIVING HOME
BOARDING HOUSE
CONGREGATE LIVING FACILITIES.
DIRECTED CARE SERVICES
DORMITORY
GROUP HOMES
PERSONAL CARE SERVICE
SUPERVISORY CARE SERVICES
TRANSIENT

Section 310.6 Residential Group R.

Replace text with the following language:

310.6.5 Residential Group R-4. . . .

310.6.5.1. Condition 1. . . .

310.6.5.2 Condition 2. . . .

Chapter 4, Special Detailed Requirements based on Use and Occupancy.

Sections 406.3.4 is amended and a new Section 425 is added, as follows:

Section 429406.3.4 Separation.

Add the following paragraph:

4. In buildings protected with an automatic fire sprinkler system, including the private garage, the room finish materials of the garage shall be permitted to be a minimum 1/2-inch (12.7 mm) gypsum board applied to the garage side.

Section 425 Residential Care/Assisted Living Homes.

Add a new Section 425429 as follows:

{Section 425 - Residential Care/Assisted Living Homes – Renumbered To 429}

Chapter 5, General Building Heights and ~~Areas~~Area Limitations.

Section 504.2502.1 is amended to read as follows:

Section 504.2 Premises502.1 Address identification.

Chapter 9, Fire Protection Systems.

Commented [SAH1]: This reference appears to need to be deleted completely, correct? There are a couple more like that below –(happens when using making major deletions).

Chapter 10 Means of Egress1008.1.2 Door Swing.

Exception 4 is amended to read as follows:

1. Doors within or serving a single dwelling unit in Groups R-2 and R-3, as applicable and R-4.

1016.2 Limitations.

Section 1016.2 Limitations:

1016.2.2 added to read as follows:

1016.2.2 Group F-1 and S-1 increase. The maximum exit access travel distance shall be 400 feet (122 m) in Group F-1 and S-1 occupancies where all of the following are met:

1. The portion of the building classified as Group F-1 or S-1 is limited to one story in height;
2. The minimum height from the finished floor to the bottom of the ceiling or roof slab or deck is 24 feet (7315 mm); and
3. The building is equipped throughout with an automatic fire sprinkler system in accordance with Section 903.3.1.1.

Chapter 11, Accessibility.

Sections 1101.1, 1101.2.1, and 1103.2.4.1 are amended to read as follows:

Section 1101.1 Scope.

...

Section 1101.2 Design.

1101.2.1 Design. ...

1102.1 Design. Buildings and facilities shall be designed and constructed to be *accessible* in accordance with this code and ICC A117.1 and in accordance with provisions State of Arizona Attorney General Administrative Rules R10-3-401 through R-10-3-404 (2010 ADA Standards for Accessible Design, referred to as "2010 Standards", adopted by the U.S. Department of Justice), whichever standard provides the greatest degree of accessibility.

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Exception:

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2017 STANDARD: 304.3 Size. Turning spaces shall comply with Section 304.3.1 or 304.3.2.

304.3.1 Circular Space.

304.3.1.1 New buildings and facilities. In new buildings and facilities, the turning space shall be a circular space with a 67 inch (1700 mm) minimum diameter.

304.3.1.1.1 Overlap. Turning spaces shall be permitted to include knee and toe clearance complying with Section 306. Where the turning space includes knee and toe clearances under an obstruction, the overlap shall comply with all of the following:

1. The depth of the overlap shall not be more than 10 inches (255 mm), and
2. The depth shall not exceed the depth of the knee and toe clearances provided, and
3. The overlap shall be permitted only within the turning circle area shown shaded in Figure 304.3.1.

304.3.1.2 Existing buildings and facilities. In existing buildings and facilities, the turning space shall be a circular space with a 60 inch (1525

mm) minimum diameter.

Section 1103.2.43.1 Detached dwellingsDwellings.

A new Section 1103.2.43.1 is added to read as follows:

1103.2.43.1 Home Occupations. . . .

Chapter 12, Sound Transmission.

A new Section 1207.4 is added to read as follows:

Section 1207.4 Maximum Residential Interior Noise Level.

All residences shall be constructed in accordance with the requirements as described in Article 4.15 of the Queen Creek Zoning Ordinance.

Chapter 16, Structural Design.

Table 1607.1 is amended to read as follows:

Table 1607.1 Minimum Uniformly Distributed Live Loads and Minimum Concentrated Live Loads

Revise Item 25, Residential — revise two values in the Table, and delete footnote j, replacing it as follows:

OCCUPANCY OR USE	UNIFORM (psf)	CONCENTRATED (lbs.)
25. Residential One- and two-family dwellings		
Uninhabitable attics with limited storage i,j,k	20 40	
Habitable attics and sleeping areas	30 40	

j. For trussed systems, this live load need not be considered as acting simultaneously with other live loads imposed upon the ceiling framing or its supporting structure.

Chapter 31, Special Construction.

Section 3109 Swimming Pool Enclosures and Safety Devices.

APPENDICES

Section 3109 is hereby amended to read as follows:

3109 Swimming pool enclosures and safety devices. Swimming pool enclosures and safety devices shall comply with Appendix G of the International Residential Code.

Appendices.

The following appendices are adopted:

Appendix C, Group U - Agricultural Buildings

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Appendix I, Patio Covers
Appendix J, Grading

7.2.2 Amendments to the International Residential Code

Chapter 1, Administration.

Chapter 1, "Administration", is hereby deleted except as follows: For administration of this Code, refer to Section 7.1 of the Town Code.

Chapter 3, Building Planning.

Sections Table R301.2, R302.1, R302.~~21.1~~, R302.31.2, R302.~~42.6~~, R302.5.1, R310.1, R310.~~2-24.3~~, R313, ~~R318.1~~, R319.1, ~~R322.1.1~~, and ~~R322.2~~, and ~~Tables R301.2(R331.1) and R301.5~~ are amended to read as follows:

Table R301.2 Climatic and Geographic Design Criteria.

Insert the following information into Table R301.2:

Ground Snow Load: Zero
Wind speed: 100 mph, Exposure C
Seismic Design Category: B
Weathering: NEGLIGIBLE
Frost Line Depth: 12"
Termite: MODERATE TO HEAVY
Decay: NONE TO SLIGHT
Winter Design Temperature: 32 degrees F
Ice Barrier Underlayment Required: NO
Flood Hazards: (a) October 16, 2013 (Maricopa County)
(b) December 4, 2007 (Pinal County)
Air Freezing Index: NO
Mean Annual Temp: 70° F

SECTION R302 FIRE-RESISTANT CONSTRUCTION

R302.1 Exterior walls

~~Add a new~~ Section R302.~~21.1~~ is added to read as follows:

R302.21.1 Projections.

Add a new Section R302.1.2 to read as follows:

R302.31.2 Openings. . . .

Section R302.2.46 Structural Independence.

~~ReplaceAdd an~~ Exception ~~57~~ to read as follows:

~~57~~. Post tensioned slabs and foundations.

Section R302.5.1 Opening Protection.

Section R302.5.1 is hereby amended to read as follows:

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R302.5.1 Opening Protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb-core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors, equipped with a self-closing device.

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R302.5.1 Opening Protection.

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R310 EMERGENCY ESCAPE AND RESCUE OPENINGS

R310.1 Emergency Escape and Rescue Openings Exception 3 is hereby amended to read as follows:

R310.1 Emergency escape and rescue opening required. Basements, habitable attics and every sleeping room shall have not less than one operable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, an emergency escape and rescue opening shall be required in each sleeping room. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court that opens to a public way.

1. Storm shelters and basements used only to house mechanical equipment not exceeding a total floor area of 200 square feet (18.58 m²).

2. Where the dwelling unit or townhouse unit is equipped with an automatic sprinkler system installed in accordance with Section P2904, sleeping rooms in basements shall not be required to have emergency escape and rescue openings provided that the basement has one of the following:

2.1 One means of egress complying with Section R311 and one emergency escape and rescue opening.

2.2 Two means of egress complying with Section R311.

3. A yard shall not be required to open directly into a public way where the yard opens to an unobstructed path from the yard to the public way.

R310.2.24.3 Drainage is hereby deleted in its entirety.

Section R313 Automatic Sprinkler Systems is hereby deleted in its entirety.
Section R313 Automatic fire Fire Sprinklers is hereby deleted in its entirety.

Section R319 SITE ADDRESS.

Section R318R319.1 is amended to read as follows:

R318.1 Subterranean termite control methods. In areas designated as slight to moderate, moderate to heavy, and very heavy, as indicated Address identification is hereby revised by Table R301.2(1), methods of protection shall be one of adding the following methods or a combinations of these methods:

Section 319.1 Premises identification.

Add the following language at the end of the paragraph:

These numbers shall contrast with their background. Address numbers shall be Arabic numerals or alphabet letters or per the Town Code, whichever is the more restrictive. Numbers shall be the minimum size required by the Fire Department or other Town requirements, whichever is more restrictive.

Section R322.1.1 R331 Model Home complex.

Add a new section 331 to read as follows:

~~R322.4~~**R331.1** ~~Model Home complex~~**Complex**. . .
1. .

Table R301.2(1) Climatic and Geographic Design Criteria.

Insert the following into Table R301.2(1):

N/A
Wind speed: 90 NO
Flood Hazards: (a) July 25, 1990, (b) October 16, 2013 (Maricopa County)
December 4, 2007 (Pinal County)
Mean Annual Temp: 70° F

Table R301.5 Minimum Uniformly Distributed Live Loads.

Revise the Table R301.5, and add a new footnote i:

USE	LIVE LOAD
Attics with storage ^{b-e}	20 40
Sleeping rooms	30 40

i. For trussed systems, this load need not be considered as acting simultaneously with other live loads imposed upon the ceiling framing or its supporting structure.

Chapter 4, Foundations**FOUNDATIONS.**

Section R403.1.1 is amended to add an exception to read as follows:

Section R403.1.1 Minimum size**MINIMUM SIZE.**

Add the following exception:

Exception:

. . .

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Chapter 6, Wall Construction**WALL CONSTRUCTION.**

Section R609.4.1 is hereby deleted.

Chapter 7, Wall Covering**WALL COVERING.**

Section R703.~~67~~.2.1 is amended to read as follows:

Section R703.~~67~~.2.1 Weep screeds add the following exception:

. . .

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Chapter 11, Energy Efficiency**ENERGY EFFICIENCY.**

Chapter 11, Energy Efficiency is amended as follows:

Sections ~~N1101.7~~**R102.1**, ~~N1101.15.1.2~~, ~~R401.2.1~~, ~~N1101.17~~, ~~R401.4~~, ~~N1103.2~~, ~~N1103.5~~, ~~Table R402.1.2~~, ~~Table R402.2.3~~, ~~Table R402.4.1.1~~, ~~N1103.2.2.1~~~~R402.4.6~~, ~~R403.3.2~~, ~~R403.3.5~~, ~~R403.6.3~~, ~~R404.1~~, ~~R404.1.1~~, ~~R404.2~~, ~~Table R406.5~~, ~~R406.3~~, ~~R406.3.2.1~~~~are~~, ~~R406.4~~, and ~~R408~~ are hereby amended as follows:

N1101.7R102.1.2 RESNET Testing & Inspection Protocol– is hereby amended to read as follows:

The Residential Energy Services Network (RESNET) Mortgage Industry National Home Energy Rating System ~~Standards~~Standard Protocol for third party testing and inspections, shall be deemed to meet the requirements of sections ~~N1102R402~~4.1.1, ~~N1102R402~~4.1.2 and ~~N1103.2.2-R403.3.5~~ and shall meet the following conditions:

1. Third Party Testing ~~and~~& Inspections shall be completed by RESNET certified Raters or Rating Field Inspectors and shall be subject to RESNET Quality Assurance Field Review ~~procedures~~Procedures.
2. Sampling in accordance with Chapter 6 of the RESNET Standards shall be performed by Raters or Rating Field Inspectors ~~working~~Working under a RESNET Accredited Sampling Provider.
3. Third Party Testing is required for the following items:
 - a. ~~N1102R402~~4.1.1 – Building Envelope – Thermal ~~and~~ Air Barrier Checklist
 - b. ~~N1102R402~~4.1.2 – Testing – Air Leakage Rate
 - c. ~~N1103.2.2R403.3.5~~ – Sealing – Duct Tightness
 4. ~~The other requirements identified as "mandatory" in Chapter 11 shall be met.~~ 5.d. Any other testing required under the code.
4. Alternate testing and inspection programs and protocols shall be allowed when approved by the Code Official.

~~N1101.15.1 (R401.2.1) Alternative approach for compliance. A Home Energy Rating System ("HERS") Index of 73 or less, confirmed in writing by a Residential Energy Services Network-certified energy rater may be used in place of the approach described in section N1101.15. Compliance may be demonstrated by sampling in accordance with Chapter 6 of the Mortgage Industry National Home Energy Rating Systems Standard as adopted by the Residential Energy Services Network.~~

~~Section N1101.17 (R401.4) New section~~**R401.2.5 Additional energy efficiency** is hereby deleted in its entirety.

Table R402.1.2 Maximum Assembly U-Factors and Fenestration Requirements, Climate Zone 2,
Ceiling U-Factor is amended to read: 0.30.

Table R402.1.3 Insulation Minimum R-Values and Fenestration Requirements by Components,
Climate Zone 2, Ceiling R-Factor is amended to read: 38.

...

Table R402.4.1.1 Air Barrier, Air Sealing and Insulation Installation, Air Barrier Criteria Insulation is hereby amended by deleting the following: The junctions of the rim board to the sill plate and the rim board and the subfloor shall be air sealed.

...

R402.4.6 Electrical and communication outlet boxes (air-sealed boxes) is hereby amended to read as follows:

~~All mandatory testing and inspections~~Where air-sealed boxes are required by this chapter shall be conducted~~Table R402.4.1.1, electrical and communication boxes shall comply with all of the following:~~

1. ~~Be tested~~ in accordance with ~~Chapter 8~~NEMA OS 4, Requirements for Air-Sealed Boxes for Electrical and Communication Applications.
2. ~~Have an air leakage rate of not greater than 2.0 cubic feet per minute (0.944 L/s) at a pressure differential of 1.57 psf (75 Pa).~~
3. ~~Be marked "NEMA OS 4" or "OS 4" in accordance with NEMA OS 4.~~
4. ~~Be installed per the manufacturer's instructions and with any supplied components required to achieve compliance with NEMA OS 4.~~

~~R403. the Mortgage Industry National Home Energy Rating Standards as adopted by the Residential Energy Services Network. Compliance with mandatory testing may be demonstrated through the use of~~**3.2 Ducts located in conditioned space.** Item 3 is amended to read as follows:

3. Ductwork in floor cavities located over unconditioned space shall comply with all of sampling the following:

- 3.1 A continuous air barrier installed between conditioned space and the duct.
- 3.2 Insulation installed in accordance with Chapter 6 Section 402.2.7.
- 3.3 A minimum R-19 R-10 insulation installed in the cavity width separating the duct from unconditioned space.

...

R403.3.5 Duct Testing. Is hereby amended to read as follows:

Ducts shall be pressure tested in accordance with ANSI/RESNET/ICC 380 or ASTM E1554 to determine air leakage by one of the Mortgage Industry National Home Energy Rating Standards as adopted by the Residential Energy Services Network following methods:

- 1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. Registers shall be taped or otherwise sealed during the test.
- 2. Postconstruction test: Total leakage shall be measured with a pressure differential of 0.1 w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exceptions:

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~~N1103.2 Ducts.~~ Ducts and air handlers shall be in accordance with Sections N1103.2.1 through 1103.2.3.

~~N1103.2.1 Insulation (Prescriptive).~~ Supply ducts shall be insulated to a minimum of R-8. Ducts in floor trusses shall be insulated to a minimum of R-6.

~~Exceptions:~~ Ducts or portions thereof located completely inside the building thermal envelope.

- ~~1. Ducts or portions thereof located completely inside the building thermal envelope.~~
- ~~2. Supply and return ducts may be insulated to a minimum of R-6 when one or more of the following conditions are met;~~
 - ~~2.1. Minimum SEER rating of space heating/cooling system is increased to 15~~
 - ~~2.2. Maximum U-factor is decreased to 0.35 and maximum SHGC is decreased to 0.22 for all fenestration products~~
 - ~~2.3. Wall cavity insulation minimum R-value is increased to R-19.~~
 - ~~2.4. Residential buildings that meet section N1101.7 or section R405 of the 2012 International Energy Conservation Code.~~
 - ~~2.5. Residential buildings with attic radiant barriers in accordance with ASTM C1313, installed in accordance with ASTM C1743.~~

~~Sections N1103.2.2.1 (R403.2.2.1) are hereby deleted in their entirety.~~

~~Section M1411.6 Locking access port caps~~1. A duct air-leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.

~~2. A duct air-leakage test shall not be required for ducts serving heating, cooling or ventilation systems that are not integrated with ducts serving heating or cooling systems.~~

R403.6.3 Testing is hereby deleted in its entirety.

...

R404.1 Lighting equipment. Is hereby amended to read as follows: Not less than 90 percent of the permanently installed lighting fixtures, excluding kitchen appliance lighting fixtures, shall contain only high-efficacy lighting sources.

R404.1.1 Exterior lighting is hereby deleted in its entirety.

R404.2 Interior lighting controls is hereby deleted in its entirety.

...

Table R406.5 MAXIMUM ENERGY RATING INDEX Climate Zone 2, Energy Rating Index is amended to read 57.

R406.3 Building thermal envelope. Is amended to read as follows:

The proposed total building thermal envelope UA, which is sum of U-factor times assembly area, shall be less than or equal to the building thermal envelope UA using the prescriptive U-factors from Table R402.1.2 multiplied by 1.15 in accordance with Equation 4-1. The area-weighted maximum fenestration SHGC permitted in Climate Zones 0 through 3 shall be 0.30. (Equation 4-1)

...

R406.3.2 On-site renewables are included is hereby deleted in its entirety.

R406.4 Energy Rating Index is hereby amended to read as follows:

The Energy Rating Index (ERI) shall be determined in accordance with RESNET/ICC 301 except for buildings covered by the International Residential Code, the ERI shall be permitted to be calculated using the minimum total air exchange rate for the rated home (Q_{tot}) and for the index adjustment factor in accordance with Equation 4.2.

Ventilation rate (Q_{tot}). $CFM = (0.01 \times \text{total square foot area of house}) + [7.5 \times (\text{number of bedrooms} + 1)]$ (Equation 4-2)

Energy used to recharge or refuel a vehicle used for transportation on roads that are not on the building site shall not be included in the ERI reference design or the rated design. For compliance purposes, any reduction in energy use of the rated design associated with on-site renewable energy shall not exceed 15 percent of the total energy use.

Section R408 Additional Efficiency Options is hereby deleted in its entirety.

SECTION M1503 DOMESTIC COOKING EXHAUST EQUIPMENT

M1503.6 is amended to read as follows:

M1503.6 Makeup air required. Where one or more gas, liquid or solid fuel-burning appliance that is neither direct-vent nor uses a mechanical draft venting system is located within a dwelling unit's air barrier, each exhaust system capable of exhausting in excess of 400 cubic feet per minute (0.19 m³/s) shall be mechanically or passively provided with makeup air at a rate approximately equal to the difference between the exhaust air rate and 400 cubic feet per minute. Such make up air systems shall be equipped with not fewer than one damper complying with Section M1503.6.2.

Exception: Makeup air is not required for exhaust systems installed for the exclusive purpose of space cooling and intended to be operated only when windows or other air inlets are open.

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Section M1901.3 Prohibited Locations is hereby deleted in its entirety.

SECTION P2905 HEATED WATER DISTRIBUTION SYSTEMS

P2905.3 Length of Hot Water Piping to Fixtures is hereby deleted in its entirety.

SECTION Table E3603.1 Service conductor and grounding electrode conductor sizing. New column added as follows:

CONDUCTOR TYPES AND SIZES-THHW, THW, THWN, USE, EXHHW (Parallel sets of 1/0 and larger conductors are permitted in either a single raceway or in separate raceways)		Service or Feeder Rating (Amperes)	
Copper (AWG)	Aluminum and copper-clad aluminum (AWG)	≤ 30°C (86°F)	> 30°C (86°F)
4	2	100	
3	4	110	
2	1/0	125	100
1	2/0	150	125
1/0	3/0	175	150
2/0	4/0	200	175
	or two sets of 1/0		
3/0	250 kcmil	225	200
	or two sets of 2/0		
4/0	300 kcmil	250	225
or two sets of 1/0	or two sets of 3/0		
250 kcmil	350 kcmil	300	250
or two sets of 2/0	or two sets of 4/0		
350 kcmil	500	350	300
or two sets of 3/0	or two sets of 250 kcmil		
400 kcmil	600	400	350
or two sets of 4/0	or two sets of 300 kcmil		
500 kcmil	750 kcmil		400

(Minimum grounding electrode conductor size and footnotes to remain.)

3902 GROUND-FAULT AND ARC-FAULT CIRCUIT INTERRUPTER PROTECTION

AppendicesAPPENDICES.

The following appendices are adopted:

Appendix B:
Appendix C:
Appendix D:
~~Appendix G: (as amended)~~ Appendix H:
Appendix K: (as amended)

{The remainder of Section 7-2-2 is deleted in its entirety}

7.2.4 Amendments to the National Electrical Code

Article 90, Introduction.

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Article 90.1 is amended to read as follows:

Article~~ARTICLE~~ 90.1 PurposePURPOSE.

Add a new subsection (~~ED~~) as to read as follows:

(~~ED~~) **Administration.** For administration of this Code, refer to Section 7.1 of the Town Code.

210.8 Ground-Fault Circuit-interceptor protection for personnel.~~GROUND FAULT CIRCUIT INTERCEPTOR PROTECTION FOR PERSONNEL.~~

(A) **Dwelling Units** is amended to read as follows:

...

~~Add two exceptions to read as follows:~~ Exceptions:

1. Receptacles that are not readily accessible.

2. A single receptacle or a duplex receptacle for 2 applications located within dedicated space for each appliance that in normal use is not easily moved from one place to another, and that is cord-and- plug connected.

~~(A)(5) is hereby amended to read: Unfinished portions or areas of the basement not intended as habitable rooms.~~

(F) **Outdoor Outlets** is hereby deleted in its entirety.

~~Article.~~

ARTICLE 230 Services~~SERVICES.~~

~~Add a new subsection~~

230.11 ~~is added~~ to read as follows:

...

~~Add a new subsection~~

230.63 ~~Location is amended by adding (d)~~ to read as follows:

~~230.63~~ **(d) Location.** ...

~~Article~~**230:67 Surge Protection** is hereby deleted in its entirety.

ARTICLE 310 Conductors for General Wiring~~CONDUCTORS FOR GENERAL WIRING.~~

~~Table 310-15 (B)(7)~~**12** is amended to read as follows:

~~Table 310-15 (B)(7)~~**12.** Conductor Types and Sizes for 120/240-Volt and 120/208-Volt, 3-Wire, Single-Phase Dwelling Services and Feeders. Conductor types RHH, RHW, RHW-2, THHN, THHW, THW, THW-2, THWN, THWN-2, XHHW, XHHW-2, SE, USE, ~~and~~ USE-2—~~New column added as follows:~~

...

ARTICLE 406 RECEPTACLES, CORD CONNECTORS, AND ATTACHMENT PLUGS

406.9(C) Bathtub and Shower Space is amended to read:

Receptacles shall not be installed directly over a bathtub or shower stall in bathrooms with less than the required zone the receptacle(s) shall be permitted to be installed opposite the bathtub rim or shower stall threshold on the farthest wall within the room.

7.2.5 Amendments to the International Plumbing Code

...

Chapter 1, Administration.

...

Sections 410.34, 504.6, 504.7.2, 607.2, 903.1.1, Chapter 13, and Appendix B are amended to read as follows:

410.3 DRINKING FOUNTAINS

410.4 Substitution. ~~The last sentence of the section is hereby~~ revised to read as follows:

410.4 Substitution. Where restaurants provide drinking water in a container free of charge, drinking fountains shall not be required in those restaurants. In other occupancies, where drinking fountains are required, bottled water dispensers or water coolers shall be permitted to be substituted.

504 SAFETY DEVICES

504.6 Requirements for discharge pipe. Items number 5 and 10 are hereby revised to read as follows:

6-5. Discharge to an indirect waste receptor or to the outdoors.

10. Shall terminate not less than 6 inches (152 mm) and not more than 24 inches (610 mm) above the adjacent ground surface.

Section An504.7.2 **an** exception is hereby added to ~~Section 504.7.2 to~~ read as follows:

...

607 HOT WATER SUPPLY SYSTEM

Section 607.2 Hot or tempered water supply to fixtures. ~~Is is~~ hereby deleted in its entirety.

903 VENT TERMINALS

Section 903.1.1 Roof extension unprotected. Is hereby amended by inserting the number 6 as the number of inches and 152 as the number of mm.

Chapter 13, ~~Gray Water Recycling Systems~~NONPOTABLE WATER SYSTEMS is hereby deleted in its entirety.

APPENDIX B, RATES OF RAINFALL FOR VARIOUS CITIES.

~~Appendices~~ is hereby amended to read as follows:

Arizona: Queen Creek.....6.0

APPENDICES.

The following appendices are adopted:

Appendix B: (as amended)

Appendix E:

Appendix F:

Is hereby amended to read as follows: Arizona: Queen Creek.....6.0

7.2.6 Amendments to the International Fuel Gas Code

The following provision of the International Fuel Gas Code, 20122021 Edition, as published by the International Code Council, is hereby amended or modified as follows:

Chapter 1, Administration.

Chapter 1, "Administration", is hereby deleted except as follows: For administration of this Code, refer to Section 7.1 of the Town Code.

Sections 404.12, 404.12.1, 406.4, 406.4.1, 406.4.2 are amended to read as follows:

CHAPTER 4 GAS PIPING INSTALLATIONS

Section 404.12 Minimum burial depth is ~~deleted in its entirety and~~ revised to read as follows:

...

~~Section 404.17.3 is hereby amended to read as follows:~~

~~**404.17.3 Tracer.** An insulated copper tracer wire or other approved conductor shall be installed adjacent to underground nonmetallic piping. Access shall be provided to the tracer wire or the wire shall terminate above ground at each end of the nonmetallic piping. The tracer wire shall be not less than 18 AWG.~~

Section 406.4 is ~~herby~~hereby amended to read as follows:

...

7.2.8 Amendments to the International Energy Conservation Code

Chapter 1, Administration.

Chapter 1, "Administration", is hereby deleted except as follows: For administration of this Code, refer to Section 7.1 of the Town Code.

Sections ~~C101.2, R101.2,~~ R102.1.2, R401.2, ~~15, Table R402.1.2, Table R402.2.3, Table R402.4.1.1, R402.4.6,~~ R403.3.2, R403.2.1 and ~~3.5,~~ R403.6.3, R404.1, R404.1.1, R404.2, Table R406.5, R406.3, ~~R406.3.2.2.4, R406.4, and R408~~ are hereby amended as follows:

~~**C101.2 Scope.** This code applies to commercial buildings and the building sites and associated systems and equipment. Group R-2 when defined as a Commercial Building by section C202, shall have the option of complying under the Residential Provisions of the code, regardless of height. Once defined as such on the submittal documents, all components of the Residential Provisions shall be followed.~~

~~**R101.2 Scope.** This code applies to residential buildings and the building sites and associated systems and equipment. Group R-2 when defined as a Residential Building by section R202, shall have the option of complying under the Commercial Provisions of the code, regardless of height. Once defined as such on the submittal documents, all components of the Commercial Provisions shall be followed.~~

~~**R102.1.2 RESNET Testing & Inspection Protocol.**~~ is hereby amended to read as follows:

The Residential Energy Services Network (RESNET) Mortgage Industry National Home Energy Rating System ~~Standards~~Standard Protocol for third party testing and inspections, shall be deemed to meet the

requirements of sections R402.4.1.1, R402.4.1.2 and R403.2-2.3.5 and shall meet the following conditions:

- ~~1.-4.~~ Third Party Testing ~~and~~ Inspections shall be completed by RESNET certified Raters or Rating Field Inspectors and shall be subject to RESNET Quality Assurance Field Review ~~procedures.~~ Procedures.
2. Sampling in accordance with Chapter 6 of the RESNET Standards shall be performed by Raters or Rating Field Inspectors ~~working~~ Working under a RESNET Accredited Sampling Provider.
3. Third Party Testing is required for the following items:
 - a. R402.4.1.1 – Building Envelope – Thermal ~~and~~ Air Barrier Checklist
 - b. R402.4.1.2 – Testing – Air Leakage Rate
 - c. R403.2-2.3.5 – Sealing – Duct Tightness
 - ~~4. The other requirements identified as “mandatory” in Chapter 4 shall be met.~~ 5.d. Any other testing required under the code.
- ~~4.~~ Alternate testing and inspection programs and protocols shall be allowed when approved by the Code Official.

~~**R401.2.1 Alternative approach for compliance.** A Home Energy Rating System (“HERS”) Index of 73 or less, confirmed in writing by a Residential Energy Services Network-certified energy rater may be used in place of the approach described in section 401.2 above. Compliance may be demonstrated by sampling in accordance with Chapter 6 of the Mortgage Industry National Home Energy Rating Systems Standard as adopted by the Residential Energy Services Network. **R403.2 Ducts.** Ducts and air handlers shall be~~

~~**R401.2.5 Additional energy efficiency** is hereby deleted in its entirety.~~

~~**Table R402.1.2 Maximum Assembly U-Factors and Fenestration Requirements.** Climate Zone 2, Ceiling U-Factor is amended to read: 0.30.~~

~~**Table R402.1.3 Insulation Minimum R-Values and Fenestration Requirements by Components.** Climate Zone 2, Ceiling R-Factor is amended to read: 38.~~

...

~~**Table R402.4.1.1 Air Barrier, Air Sealing and Insulation Installation, Air Barrier Criteria** Insulation is hereby amended by deleting the following: The junctions of the rim board to the sill plate and the rim board and the subfloor shall be air sealed.~~

...

~~**R402.4.6 Electrical and communication outlet boxes (air-sealed boxes)** is hereby amended to read as follows:~~

~~Where air-sealed boxes are required by Table R402.4.1.1, electrical and communication boxes shall comply with all of the following:~~

- ~~1. Be tested in accordance with Sections R403.2.1 through R403-NEMA OS 4, Requirements for Air-Sealed Boxes for Electrical and Communication Applications.~~
- ~~2.3. Have an air leakage rate of not greater than 2.4 Insulation (Prescriptive). Supply ducts in attics shall be insulated to a minimum 0 cubic feet per minute (0.944 L/s) at a pressure differential of R-8. Ducts 1.57 psf (75 Pa).~~
- ~~3. Be marked “NEMA OS 4” or “OS 4” in accordance with NEMA OS 4.~~
- ~~4. Be installed per the manufacturer’s instructions and with any supplied components required to achieve compliance with NEMA OS 4.~~

...

R403.3.2 Ducts located in conditioned space. Item 3 is amended to read as follows:

3. Ductwork in floor trusses/cavities located over unconditioned space shall comply with all of the following:

- 3.1 A continuous air barrier installed between conditioned space and the duct.
- 3.2 Insulation installed in accordance with Section 402.2.7.
- 3.3 A minimum R-19 R-10 insulation installed in the cavity width separating the duct from unconditioned space.

...

R403.3.5 Duct Testing. Is hereby amended to read as follows:

Ducts shall be pressure tested in accordance with ANSI/RESNET/ICC 380 or ASTM E1554 to determine air leakage by one of the following methods:

- 1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. Registers shall be taped or otherwise sealed during the test.
- 2. Postconstruction test: Total leakage shall be insulated to measured with a minimum of R-6. pressure differential of 0.1 w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exceptions: Ducts or portions thereof located completely inside

- 1. A duct air-leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
- 4. Ducts 2. A duct air-leakage test shall not be required for ducts serving heating, cooling or portions thereof located completely inside ventilation systems that are not integrated with ducts serving heating or cooling systems.

...

R403.6.3 Testing is hereby deleted in its entirety.

...

R404.1 Lighting equipment. Is hereby amended to read as follows: Not less than 90 percent of the permanently installed lighting fixtures, excluding kitchen appliance lighting fixtures, shall contain only high-efficacy lighting sources.

R404.1.1 Exterior lighting is hereby deleted in its entirety.

R404.2 Interior lighting controls is hereby deleted in its entirety.

Table R406.5 MAXIMUM ENERGY RATING INDEX Climate Zone 2, Energy Rating Index is amended to read 57.

R406.3 Building thermal envelope. Is amended to read as follows:

- The proposed total building thermal envelope-- UA, which is sum of U-factor times assembly area, shall be less than or equal to the building thermal envelope UA using the prescriptive U-factors from Table R402.1.2 multiplied by 1.15 in accordance with Equation 4-1. The area- weighted maximum fenestration SHGC permitted in Climate Zones 0 through 3 shall be 0.30. (Equation 4-1)
- 2. Supply ducts may be insulated to a minimum of R-6 when one or more of the following conditions are met;
 - 2.1 Minimum SEER rating of space heating/cooling system is increased to 15.
 - 2.2 Maximum U-factor is decreased to 0.35 and maximum SHGC is decreased to 0.22 for all fenestration products.
 - 2.3 Wall cavity insulation minimum R-value is increased to R-19.
 - 2.4 Residential buildings that meet the requirements of sections R102.1.1 or R405.

~~2.5 Residential buildings with attic radiant barriers in accordance with ASTM C1313, installed in accordance with ASTM C1743.~~

~~Section R403.2.2.1. Sealed air handler is deleted in its entirety.~~

...

~~**R406.3.2 On-site renewables are included** is hereby deleted in its entirety.~~

~~**R406.4 Energy Rating Index** is hereby amended to read as follows:~~

~~The Energy Rating Index (ERI) shall be determined in accordance with RESNET/ICC 301 except for buildings covered by the International Residential Code, the ERI shall be permitted to be calculated using the minimum total air exchange rate for the rated home (Qtot) and for the index adjustment factor in accordance with Equation 4.2.~~

~~Ventilation rate (Qtot), CFM = (0.01 x total square foot area of house) + [7.5 x (number of bedrooms + 1)] (Equation 4-2)~~

~~Energy used to recharge or refuel a vehicle used for transportation on roads that are not on the building site shall not be included in the ERI reference design or the rated design. For compliance purposes, any reduction in energy use of the rated design associated with on-site renewable energy shall not exceed 15 percent of the total energy use.~~

~~**Section R408 Additional Efficiency Options** is hereby deleted in its entirety.~~

7.2.9 Amendments to the International Property Maintenance Code

...

~~**Chapter**~~**CHAPTER 3, General Requirements**~~**GENERAL REQUIREMENTS.**~~

Sections 303.2 and 304.14 are amended to read as follows:

Section 303.2 Pool Enclosures.

Replace with the following language:

Swimming pool enclosures shall comply with the requirements of ~~Appendix G of the Queen Creek Residential Building~~the 2021 International Swimming Pool and Spa Code ~~as amended.~~

...

~~**Chapter 6, Mechanical and Electrical Requirements.**~~**CHAPTER 6, MECHANICAL AND ELECTRICAL REQUIREMENTS.**

Sections 602.3 and 602.4 are amended to read as follows:

Section 602.3 Heat supply

~~Insert~~ is amended by Inserting the following dates:

- ~~1. "November 1 to April 1".~~
- ~~2. Delete both Exceptions.~~

Section 602.4 Occupiable ~~work spaces.~~

~~Insert~~workspaces is amended by Inserting the following dates: .

...

7.2.11 Amendments to the International Swimming Pool and Spa Code

The following provision of the International Swimming Pool and Spa Code, 2021 Edition, as published by the International Code Council, is hereby amended, or modified as follows:

Chapter 1, Administration.

Chapter 1, "Administration", is hereby deleted except as follows: For administration of this Code, refer to Section 7.1 of the Town Code.

CHAPTER 2 DEFINITIONS

The definition of **Residential Swimming Pool (Residential Pool)** is hereby revised as follows:

RESIDENTIAL SWIMMING POOL (Residential Pool). A pool intended for use that is accessory to a residential setting and available only to the household and its guests. Other pools shall be considered to be public pools for purposes of this code. Any structure intended for swimming or recreational bathing that is designed to contain water 18" inches or more in depth. This includes in-ground, above-ground and on-ground swimming pools, hot tubs, spas, and fixed in place wading pools.

Type O. A nondiving residential pool.

Type I-V. Residential pools suitable for the installation of diving equipment by type.

The definition of **PUBLIC SWIMMING POOL** is hereby revised as follows:

PUBLIC SWIMMING POOL. A pool other than a residential pool intended for swimming or recreational bathing that is designed to contain water 18" inches or more in depth and is operated by an owner, lessee, operator, licensee or concessionaire, regardless of whether a fee is charged for use. Public Pools shall be further classified as follows:

Remainder of this definition remains unchanged.

SECTION 305 BARRIER REQUIREMENTS is hereby revised to read as follows:

305.1 Application. The requirements of this appendix shall apply to the design and construction of required barriers for swimming pools, spas, and hot tubs. These design regulations are intended to provide public health and safety by providing protection against drowning and near-drowning by restricting access to swimming pools, spas and hot tubs. There are no exemptions for households without children.

305.1.1 All swimming pools, spas and hot tubs installed in or on the lot of a one- or two-family dwelling on or after the effective date of the ordinance adopting this appendix shall be enclosed by a permanent barrier, as set forth in this appendix.

305.1.2 It is the responsibility of the property owner and any other person in responsible charge of a swimming pool to insure that the required swimming pool barrier, including all gates, doors, locks, latches and any other portions of the barrier, are maintained in a safe and good working order at all times. No person shall alter or remove any portion of a swimming pool barrier except to maintain, repair, reconstruct or replace the barrier in compliance with the provisions of this appendix.

305.1.3 No swimming pool, spa or hot tub shall be filled in whole or in part with water unless the swimming pool barrier has been installed in accordance with this appendix and approved by the building official or authorized designee.

305.1.4 Plastic mesh or any other fence (proposed barrier) defined by the manufacturer as a

temporary or removable fence, even if indicated as a swimming pool barrier, are deemed unsuitable for the purposes of this Appendix regardless of any modifications proposed to make said fence compliant.

305.2 Outdoor swimming pool. Any outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be completely surrounded by a barrier which shall comply with the following:

1. In the case where the rear yard of a detached one- or two-family dwelling or townhouses abuts the edge of a lake or body of water and where no public access is permitted or allowed along the shoreline, and where side yard fences extend to and beyond the water's edge a minimum of eighteen (18) inches, no rear yard barrier will be required between the shoreline or body of water and the swimming pool.
2. Where wood fences are permitted by the Town Code, wood fencing used as swimming pool required barriers, shall meet the requirements of this code.
3. Any fence/wall used for the required barrier shall not contain any openings or protrusions that might be used for foothold climbing purposes.
4. All fish ponds and other contained bodies of water, either above or below ground level, that are designed to contain water eighteen (18) inches or more in depth, shall conform to the location and barrier requirements for swimming pools.
5. Irrigation and storm water retention facilities and the water features in public parks and golf courses are exempt from the barrier requirements of this Appendix.
6. The top of the barrier shall be at least 60 inches above grade measured on the side of the required barrier which faces away from the swimming pool at the highest point of elevation within three (3) feet measured horizontally from the required barrier. The maximum vertical clearance between grade (soil) and the bottom of the required barrier shall be a maximum of 2 inches measured on the side of the required barrier which faces away from the swimming pool. The maximum vertical clearance between a surface below the barrier to a solid surface, such as concrete, and the bottom of the required barrier shall be a maximum of 4 inches measured on the side of the required barrier which faces away from the swimming pool.
7. The poolside of the required barrier shall not be less than (20") twenty inches from the water's edge.
8. Openings in the required barrier shall not allow passage of a 4-inch-diameter sphere.
9. Solid barriers which do not have openings, such as but not limited to a masonry, stucco or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints. Indentations of 1" deep x 1" high or protrusions of 1 inch or more shall be considered as exceeding the normal construction tolerances unless the bottom of the indentation or top of the protrusion is beveled at a 45 degree angle from the face of the indentation or protrusion back to the vertical face of the indentation or protrusion. Where solid barriers have openings such as drainage blocks or similar items, the maximum opening width or height of the opening shall be of such a configuration as not to allow a 4 inch diameter sphere to pass through. Where openings exceed the 4" diameter, a minimum of 3' measured horizontally from an adjacent opening in the barrier is permitted.
10. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches, the horizontal members shall be

located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1.75 inches in width. Where there are decorative cut outs within vertical members, spacing within the cutouts shall not exceed 1.75 inches in width.

11. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches or more, spacing between vertical members shall not exceed 4 inches. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 inches in width.

12. Where chain link fences are permitted by Town ordinance, the maximum mesh opening size for chain link fences shall be a 2.25-inch square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 1.75 inches in width.

13. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 1 3/4 inches.

14. Every opening up to 4' in width in a required pool barrier shall be provided with a minimum five (5) foot high self-closing access gate, which is at least (5) feet high measure from the adjacent grade and all access gates shall open outwards away from the swimming pool and shall have a self-latching device or lock in good condition.

15. Pedestrian access gates shall comply with the requirements of AG105.2, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the swimming pool and shall be self-closing and have a self-latching device. Gates other than Pedestrian access gates shall have a self-latching device and shall be secured by a padlock or similar device which requires a key, electric opener or integral combination.

16. Where the release mechanism of the self-latching device is located less than 54 inches from grade, the release mechanism and openings shall comply with the following:

- a. The release mechanism shall be located on the pool side of the gate at least 5 inches below the top of the gate
- b. The gate and barrier shall have no opening greater than 0.5 inch within 24 inches of the release mechanism

17. Gates for openings of four (4) feet or greater leaf width must be secured with a self-latching device and be kept locked. Double gates or multiple gates shall have at least one leaf secured in place and the adjacent leaf shall be secured with the self-latching device.

18. Where a wall of a dwelling or accessory structures serves as part of the barrier one of the following conditions shall be met:

- a. From sleeping areas/rooms, emergency escape or rescue openings with access to the swimming pool or other contained body of water which meet the definition of a swimming pool shall be equipped with a latching device not less than fifty-four (54) inches above the floor. Emergency escape and rescue openings shall be operational from the inside as required by the building codes. All other openable dwelling unit or guest room windows with similar access shall be equipped with a screwed in place wire mesh screen, or a keyed lock that prevents opening the window more than four (4) inches, or latching device located not less than fifty-four (54) inches above the floor. All ground level doors or other doors and openings with direct access to the swimming pool or other contained body of water, meeting the definition of a swimming pool, shall be equipped

with a self-latching device located not less than fifty-four (54) inches above the floor. Sliding doors shall not form part of a required barrier unless the self-closing and self-latching mechanism is specifically approved by the Building Official for this purpose.

- b. Other openings such as dog doors or similar openings shall meet the requirements of this code when the opening has access directly to the pool.
- c. The pool shall be protected by a motorized safety pool cover which requires the operation of a key switch which meets the American society of testing and materials emergency standards 13- 89 and which does not require manual operation other than the use of the key switch.
- d. Other means of protection, such as self-closing doors with self-latching devices, which are approved by the Building Official shall be acceptable so long as the degree of protection afforded is not less than the protection afforded by items a, b, or c above.
- e. Above-ground pool structure barriers shall meet the requirements of this code.

305.3 Indoor swimming pool. All walls surrounding an indoor swimming pool shall comply with the pool barrier requirements of 305.2.

305.4 Prohibited locations. Barriers shall be located so as to prohibit permanent structures, equipment or similar objects from being used to climb the barriers. For the purposes of structures, equipment or similar objects, the nearest edge being a minimum of 3' or more horizontal distance away from the required barrier shall be considered adequate for the determination of not being used to climb the barrier.

305.5 Barrier exceptions. Spas or hot tubs with a safety cover which complies with ASTM F1346, shall be exempt from the provisions of this appendix.

7.2.12 Amendments to the International Fire Code

The *International Fire Code*, ~~2012~~2021 Edition, as published by the National Fire Prevention Association, is hereby amended or modified as follows:

{Subsections of Section 105 renumbered}

{Section 109 renumbered to 4112.5}

FIRE CODE OFFICIAL. Fire Code Official charged with the administration and enforcement of the ~~2006~~2021 IFC or "This Code" is the Fire Chief or duly authorized representative.

SPREAD PLATE. A permanent sign that identifies individual dwelling units at a common entrance of a building.

REVISE CHAPTER 3 TO READ AS FOLLOWS

308.1.6.3 Sky Lanterns is hereby amended to read as follows:

The lighting and release of Sky Lanterns shall be prohibited.

ADD NEW SECTION TO READ AS FOLLOWS

{Section 319 – Excavations and Confined Spaces – renumbered 316}

{Section 409 – Digital/Electronic Drawing File Submissions – renumbered 408}

Section 505 is revised as follows:

506.1.4 Educational Occupancies. Educational Occupancies shall have a minimum number of three access keys to all buildings on site.

507.3 Fire Flow is revised to read as follows:

507.3 Fire Flow. Fire flow requirements for buildings or portions of buildings and facilities shall be determined by Appendix B.

SECTION 510 EMERGENCY RESPONDER COMMUNICATION COVERAGE is amended as follows

510.1 Emergency responder radio coverage in new buildings.

New buildings shall have approved radio coverage for emergency responders within the building based on the existing coverage levels of the public safety communication systems utilized by the jurisdiction, measured at the exterior of the building. This section shall not require improvement of the existing public safety communication systems. All buildings and structures with the following characteristics shall comply with Section 510:

1. Buildings or structures more than 3 stories above ground level;
2. Buildings or structures totaling 45,000 square feet (13 716 m²) or more on any single floor;
3. Buildings or structures that include a basement or other subterranean space totaling 250 square feet (76.2 m²) or more; or
4. Buildings or structures where fire code official has determined to have been constructed in a manner or with materials likely to limit the ability of emergency response personnel to effectively use radio communication while within that building or structure.

Exceptions: 29

1. Where approved by the building official and the fire code official, a wired communication system in accordance with Section 907.2.13.2 shall be permitted to be installed or maintained in lieu of an approved radio coverage system.
2. Where it is determined by the fire code official that the radio coverage system is not needed.
3. In facilities where emergency responder radio coverage is required and such systems, components or equipment required could have a negative impact on the normal operations of that facility, the fire code official shall have the authority to accept an automatically activated emergency responder radio coverage system.
4. Groups R-3, R-4, R-5, and U occupancies
5. Buildings and structures utilizing only wood framing
6. Buildings and structures less than thirty-five (35) feet (10 668 mm) above ground level and do not utilize any metal framing or metal roofing.

...

510.4.1.1 Minimum signal strength into the building. Amended to read as follows:

The minimum inbound signal strength shall be sufficient to provide usable voice communications throughout the coverage area as specified by the fire code official. The inbound signal level shall be sufficient to provide not less than a minimum signal strength of -95 dBm in 95% of the area on each floor when transmitting to and from a Public Safety Radio System. Applicable to the technology for either analog or digital signals.

New subsection added as follows:

510.4.1.1.1 Minimum Delivered Audio Quality (DAQ). A minimum DAQ of 3.4 for signal strength and intelligibility when utilizing the Public Safety Radio System. For public safety, the accepted objective is to provide DAQ 3.4 over the service area. DAQ 3.4 is defined as "speech understandable with repetition only rarely required, and with some noise and/or distortion" and represents a Bit Error Rate (BER) of 2%.

...

510.4.2.2 Technical criteria. Amended to read as follows:

The fire code official shall maintain a document providing the specific technical information and requirements for the emergency responder communications coverage system. This document shall contain, but not be limited to, the various frequencies required, the location of radio sites, the effective radiated power of radio sites, the maximum propagation delay in microseconds, the applications being used and other supporting technical information necessary for system design.

1. The Topaz Regional Wireless Cooperative (TRWC) will provide which donor site will be utilized for any installation of a 700/800 MHz BDA/DAS system that will be using the TRWC public safety network.

2. The TRWC Administration Manager will approve any enhancements for Simplex VHF Hazard Zone Fire network

ADD OR REVISE SECTIONS WITHIN 903 AS FOLLOWS.

Sections 903.2 through 903.2.11.3 are deleted in their entirety and amended as follows:

903.3.7.2. Fire department connection sizing. The size of the fire department connection and piping is dependent on the automatic sprinkler design flow. The maximum design flow for a 2-½ inch Siamese connection is 500 gpm. For design flows greater ~~than~~ 500 gpm install a single 2-½ inch ~~siamese~~ Siamese connection and 5 inch Storz connection ~~fed~~ by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided on the exterior of the building in an approved location. An interior alarm to alert the occupants shall be provided in the interior of the building in a normally occupied location when off-site monitoring is required. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

903.4.2 Alarms. Approved audible devices shall be connected to every automatic sprinkler system. Such sprinkler water-flow alarm devices shall be active.

905.3.4 Stages. Stages greater than 1,000 square feet in area (93 m2) shall be equipped with a Class I wet standpipe system with 2.5 inch (64 mm) hose connections on each side of the stage supplied from the automatic fire sprinkler system and shall have a flow rate of not less than that required for class 1 standpipes.

905.3.4.1 Hose and cabinet. ~~Delete-section is hereby deleted.~~

ADD SECTION ~~907.10912.1.51~~ TO READ AS FOLLOWS

...

REPLACE SECTION 912.2.1 TO READ AS FOLLOWS

~~912.4912.2.4 Fire Department Connection (FDC) Caps.~~ Caps for the protections of the threads and prohibit the introduction of foreign materials into the system shall be made of breakable aluminum material.

912.5 Signs ...

Commented [SAH8]: There is no words in the section added - what goes here?

ADD NEW SECTION TO READ AS FOLLOWS

{Section 915 - Firefighter Breathing Air Replenishment System – renumbered to 918}

...

Section 1205 **SOLAR PHOTOVOLTAIC POWER SYSTEMS**

1205.1.2 Marking. Marking is required on interior and exterior direct-current (DC) conduit, enclosures, race- ways, cable assemblies, junction boxes, combiner boxes and disconnects.

1205.1.2.1 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 1204.1.6 shall have all letters capitalized with a minimum height of 3/8 inch (9.5 mm) white on red background.

1205.1.2.2 Marking Content. The marking shall contain the words "WARNING: PHOTOVOLTAIC POWER SOURCE."

1205.1.2.3 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.

1205.1.3 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.

[Chapter 37 – Places of Assembly – renumbered to Chapter 31]

...

797-22 TC Chapter 7

Final Audit Report

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