

The following provision of the International Building Code, 2018 Edition, as published by the International Code Council, Inc., is hereby amended as follows:

CHAPTER 1

In Section 101.1 where [NAME OF JURISDICTION] is requested, insert [THE TOWN OF ORO VALLEY].

Revise Sub-Section 101.2.1 as follows:

[A] 101.2.1 Appendices. Provisions in the appendices shall not apply unless specifically adopted, **THEREFORE THE FOLLOWING APPENDICES ARE ADOPTED AS PART OF THIS CODE:**

**APPENDIX F -RODENTPROOFING
APPENDIX H -SIGNS
APPENDIX I -PATIO COVERS**

Revise Sub-Section 101.4.3 Plumbing. by striking the last sentence of this section.

Delete Section 101.4.7 Existing buildings. in its entirety and reserve the numbering.

Add new Sub-Section 101.4.8 as follows:

[A] 101.4.8 ELECTRICAL. THE REQUIREMENTS OF THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), AS AMMENDED, SHALL APPLY TO THE INSTALLATION OF ELECTRICAL SYSTEMS, AND SHALL INCLUDE REPAIRS, REPLACEMENT, ALTERATIONS, EQUIPMENT, APPLIANCES, FIXTURES, AND APPURTENANCES THERETO.

Add the following text to the end of Section **104.10 Modifications.**

REQUESTS FOR MODIFICATION SHALL BE APPEALED TO THE BUILDING OFFICIAL ON A FORM PROVIDED BY THE BUILDING DEPARTMENT AND SHALL CLEARLY IDENTIFY THE CONDITION(S) IN QUESTION.

Add new Sub-Section 104.11.3 as follows:

104.11.3 APPEALS. APPEALS FOR ALTERNATE MATERIALS, DESIGN OR METHODS SHALL BE PRESENTED ON A FORM PROVIDED BY THE BUILDING OFFICIAL. ALL INFORMATION NECESSARY TO EVALUATE THIS ALTERNATIVE SHALL BE PROVIDED AT THE TIME THE APPEAL IS FILED. ANY APPEAL NOT APPROVED BY THE BUILDING OFFICIAL MAY BE APPEALED TO THE *BOARD OF APPEALS* AS PRESCRIBED IN SECTION 113 OF THIS CODE.

Revise Sub-Section 105.1.1 as follows:

105.1.1 Annual permit. In lieu of an individual *permit* for each *alteration* to an already *approved* electrical, gas, mechanical or plumbing installation, the *building official* is authorized to issue an annual *permit* upon application ~~therefor~~ **AND APPROVAL FOR STATUS AS A REGISTERED PLANT IN ACCORDANCE WITH SECTION 105.1.2.** ~~to~~ ~~a~~Any person, firm

or corporation regularly employing one or more qualified tradepersons in the building, structure or on the premises owned or operated by the applicant for the *permit* **IS CONSIDERED ELIGIBLE TO MAKE APPLICATION.**

Delete Sub-Section 105.1.2 Annual permit records. in its entirety and substitute the following new subsections:

105.1.2 REGISTERED PLANT.

105.1.2.1 DEFINITIONS

REGISTERED PLANT. FOR THE PURPOSE OF THIS CODE, A REGISTERED PLANT IS A PERSON, FIRM, CORPORATION, OR POLITICAL ENTITY ENGAGED IN MANUFACTURING, PROCESSING OR SERVICE WHICH REQUIRES SPECIALIZED BUILDING, UTILITIES AND EQUIPMENT TO THE EXTENT THAT THE PLANT MAINTAINS FULL-TIME QUALIFIED PERSONNEL FOR THE OPERATION AND MAINTENANCE OF SUCH BUILDINGS, UTILITIES AND EQUIPMENT, AND WHEN SUCH PLANT HAS COMPLIED WITH ALL PROVISIONS OF THIS SECTION.

ANNUAL PERMIT. AN OFFICIAL DOCUMENT OR CERTIFICATE ISSUED BY THE AUTHORITY HAVING JURISDICTION WHICH AUTHORIZES PERFORMANCE OF ALTERATIONS TO AN ALREADY APPROVED ELECTRICAL, GAS, MECHANICAL OR PLUMBING INSTALLATION FOR A REGISTERED PLANT.

QUALIFICATIONS. A REGISTERED PLANT SHALL EMPLOY AN EXPERIENCED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF ARIZONA, WHO SHALL BE DIRECTLY RESPONSIBLE FOR COMPLYING WITH THE SPECIFIC PROVISIONS OF THIS CODE.

105.1.2.2 APPLICATION AND REGISTRATION. AN APPLICATION SHALL BE FILED IN WRITING ON A FORM PROVIDED BY THE BUILDING OFFICIAL AND SHALL CONTAIN THE FOLLOWING INFORMATION:

- A. THE NAME OF THE PLANT FOR WHICH REGISTRATION IS REQUESTED**
- B. THE PROPERTY ADDRESS AND DESCRIPTION THAT WILL IDENTIFY THE STRUCTURES TO BE INCLUDED UNDER THE REGISTRATION**
- C. THE NAME OF THE INDIVIDUAL WHO HAS THE AUTHORITY TO ACT ON BEHALF OF THE PLANT OWNER(S)**
- D. THE NAME, STATE OF ARIZONA REGISTRATION NUMBER, AND RESUME OF THE REGISTERED ARCHITECT OR ENGINEER WHO WILL BE RESPONSIBLE FOR THE WORK DONE UNDER THE REGISTER PLANT PERMIT**

THE BUILDING OFFICIAL SHALL REVIEW REQUESTS FOR REGISTERED PLANT STATUS. IF THE APPLICATION IS NOT APPROVED, THE APPLICANT MAY APPEAL THE DECISION TO THE BOARD OF APPEALS AS PRESCRIBED IN SECTION 113 OF THIS CODE.

105.1.2.3 REGISTRATION FEES. APPLICANTS SHALL PAY AN ANNUAL FEE AS ESTABLISHED BY THE TOWN OF ORO VALLEY BUILDING AND FIRE PERMIT

FEES. THIS FEE SHALL BE MONTHLY PRORATED TO THE END OF THE CALENDAR YEAR. REGISTRATIONS SHALL EXPIRE ON THE LAST DAY OF THE CALENDAR YEAR AND MAY BE RENEWED EACH YEAR BY PAYMENT OF THE ANNUAL FEE FOR A NEW PERMIT ON OR BEFORE THE LAST DAY OF DECEMBER. WORK PERFORMED AFTER EXPIRATION OF A PERMIT SHALL NOT BE ALLOWED UNLESS EXEMPT FROM A PERMIT BY SECTION 105.2 OF THIS CODE OR THROUGH ISSUANCE OF A BUILDING PERMIT. FEES SHALL BE REFUNDED FOR ANY APPLICATION THAT IS NOT APPROVED

EXCEPTION: AN ADMINISTRATIVE FEE OF \$100.00 SHALL BE RETAINED.

105.1.2.4 VALIDITY OF REGISTRATION. REGISTRATION SHALL BE VALID AS LONG AS THE RESPONSIBLE ARCHITECT OR ENGINEER REMAINS IN THE EMPLOY OF THE REGISTERED PLANT IN AN ACTIVE CAPACITY. IF THE REGISTERED ARCHITECT OR ENGINEER SHOULD LEAVE THE EMPLOY OF THE REGISTERED PLANT THE ANNUAL PERMIT IS SUSPENDED UNTIL ANOTHER REGISTERED ARCHITECT OR ENGINEER RESPONSIBLE FOR WORK DONE UNDER THE REGISTRATION IS NAMED. THE BUILDING OFFICIAL SHALL BE NOTIFIED OF THE CHANGE AND THE NEW REGISTERED ARCHITECT OR ENGINEER SHALL SUBMIT A COMPLETE RESUME TO BE CONSIDERED FOR APPROVAL. THE REGISTRANT SHALL NOTIFY THE BUILDING OFFICIAL IMMEDIATELY AND SHALL REQUEST INSPECTION FOR ANY WORK IN PROGRESS IN ACCORDANCE WITH SECTION 110 OF THIS CODE. BEFORE ANY NEW WORK COMMENCES WHILE REGISTRATION IS SUSPENDED, ALL APPROPRIATE FEES SHALL BE PAID AND PERMITS AND INSPECTIONS SHALL BE OBTAINED PURSUANT TO THIS CHAPTER.

105.1.2.5 REVOCATION OF REGISTRATION.

105.1.2.5.1 AUTHORITY. THE BUILDING OFFICIAL MAY SUSPEND OR REVOKE A REGISTRATION WHEN THE REGISTRANT FAILS TO COMPLY WITH ANY OF THE PROVISIONS OF THIS CODE. WHEN THE BUILDING OFFICIAL DEEMS THAT THE REGISTRATION SHALL BE SUSPENDED OR REVOKED, THE PROCEDURE SHALL BE AS FOLLOWS:

- 1. THE REGISTRANT SHALL BE NOTIFIED IN WRITING NOT LESS THAN SEVEN (7) CALENDAR DAYS PRIOR TO SUSPENSION OR REVOCATION**
- 2. UPON RECEIPT OF THE NOTICE, THE REGISTRANT MAY REQUEST A HEARING. REQUESTS SHALL BE MADE IN WRITING TO THE BUILDING OFFICIAL WITHIN SEVEN (7) CALENDAR DAYS OF RECEIPT OF NOTICE**
- 3. IF A HEARING IS REQUESTED, THE BUILDING OFFICIAL SHALL SET A TIME, DATE, AND PLACE AND SO NOTIFY THE REGISTRANT**
- 4. WHEN A HEARING IS CONDUCTED, THE REGISTRANT AND OTHER INTERESTED PARTIES MAY BE IN ATTENDANCE. UPON COMPLETION OF THE HEARING, THE BUILDING OFFICIAL SHALL TAKE ALL EVIDENCE SUBMITTED UNDER ADVISEMENT AND SHALL NOTIFY THE REGISTRANT OF HIS FINDINGS IN WRITING, BY CERTIFIED MAIL**

5. IF THE DECISION RENDERED BY THE BUILDING OFFICIAL IS ADVERSE TO THE APPLICANT, THEY MAY APPEAL THE DECISION IN ACCORDANCE WITH SECTION 113 OF THIS CODE

105.1.2.6 WORK REPORT AND INSPECTIONS. A REPORT OF ALL WORK DONE UNDER THE REGISTERED PLANT PERMIT SHALL BE PREPARED BY THE REGISTERED ARCHITECT OR ENGINEER AND SUBMITTED ANNUALLY TO THE BUILDING OFFICIAL. PLANS OR WORKING DRAWINGS FOR ALTERATIONS TO BUILDINGS OR UTILITIES COVERED BY THIS CODE NEED NOT BE SUBMITTED FOR APPROVAL, EXCEPT AS IDENTIFIED IN SECTION 105.1.2.7.

105.1.2.7 PLANS AND PERMITS REQUIRED. AN APPLICATION SHALL BE MADE AND PLANS SHALL BE SUBMITTED TO THE JURISDICTION FOR WORK WHICH:

1. CREATES A DIFFERENT OCCUPANCY OR CLASSIFICATION, AS DEFINED BY THIS CODE, FOR ANY PORTION OF THE BUILDING.
2. CREATES A DIFFERENT BUILDING CONSTRUCTION TYPE, AS DEFINED BY THIS CODE, FOR ANY PORTION OF THE BUILDING.
3. CREATES ADDITIONAL BUILDING AREA.
4. ADDS A NEW ELECTRICAL SERVICE, MECHANICAL EQUIPMENT OR SYSTEM, PLUMBING SYSTEM, OR EXTENDS EXISTING PLUMBING, MECHANICAL OR ELECTRICAL SYSTEMS BY 5% OR GREATER.
5. ADDS, ALTERS, REMOVES OR PENETRATES REQUIRED FIRE WALLS FOR AREA OR OCCUPANCY SEPARATION.
6. ADDS, ALTERS, REMOVES OR PENETRATES EXITS, CORRIDORS, OR EGRESS COURTS AS DEFINED IN CHAPTER 10 OF THIS CODE.
7. MAKE ALTERATIONS TO THE FIRE PROTECTION SYSTEM WHICH CONSTITUTES MOVING MORE THAN FIVE SPRINKLER HEADS, OR CAUSES AN INCREASED DEMAND ON THE EXISTING FIRE SYSTEM.
8. MODIFIES LOAD BEARING STRUCTURES OR ADDS ADDITIONAL LOADS TO EXISTING STRUCTURAL MEMBERS.
9. ALTERS EXISTING ACCESSIBLE COMPONENTS.

NOTE: CONSTRUCTION ON AREAS WHERE SEPARATE PERMITS ARE REQUIRED SHALL NOT COMMENCE UNTIL PLANS HAVE BEEN REVIEWED AND APPROVED AND A PERMIT HAS BEEN ISSUED.

105.1.2.8 INFORMATION REQUIRED ON PLANS. SUBMITTAL DOCUMENTS SHALL COMPLY WITH CHAPTER 1 OF THIS CODE.

THE FIRST SHEET OF EACH SET OF CONSTRUCTION PLANS SHALL GIVE IDENTIFY THE BUILDING TYPE, THE ADDRESS OF THE WORK, THE NAME AND ADDRESS OF THE OWNER AND PERSON WHO PREPARED THEM AND THE SEAL

OF THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE PREPARATION OF SUCH DRAWINGS. EACH SHEET OF CALCULATIONS AND SPECIFICATIONS SHALL BE STAMPED AND SIGNATURE AFFIXED THERETO. THE BUILDING OFFICIAL MAY REQUIRE THAT PLANS FOR NEW CONSTRUCTION INDICATE EXISTING AND FINISHED GRADE ELEVATIONS BASED ON BENCHMARK DATA WITH EXISTING AND FINISHED DRAINAGE FLOW PATTERNS. ADDITIONS AND REMODEL TO FACILITIES SHALL INCLUDE EXISTING FLOOR PLANS ALONG WITH PROPOSED NEW FLOOR PLANS.

105.1.2.7 DOCUMENTATION FOR COMPUTER CALCULATION SUBMITTALS. THE FOLLOWING DOCUMENTATION SHALL BE PROVIDED:

- 1. THE NAME OF THE PROJECT, SEAL AND SIGNATURE OF THE RESPONSIBLE ARCHITECT OR ENGINEER ON THE COVER SHEET, AND AN INDEX SHEET OF BOUND CALCULATIONS AND SPECIFICATIONS**
- 2. A BRIEF SYNOPSIS OF THE COMPUTER PROGRAM USED**
- 3. IDENTIFICATION BY NUMBER, INDEX AND CROSS-REFERENCE OF ALL CALCULATION SHEETS, INCLUDING SUPPLEMENTAL NON-COMPUTER GENERATED CALCULATION SHEETS**
- 4. IDENTIFIED, DIMENSIONED, AND ANNOTATED DIAGRAMS OF EACH MEMBER OR STRUCTURE BEING CONSIDERED**

Revise Section 105.2 Work exempt from permit. Numbers 1, 4, and 9, and add new numbers 14 and 15 as follows:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet (11 m²), **WHEN NO PLUMBING, MECHANICAL, OR ELECTRICAL HAS BEEN ADDED TO OR INSTALLED WITHIN THE STRUCTURE.**

4. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II, or IIIA liquids **AND FREE STANDING MASONRY WALLS NOT OVER 6 FEET (1829 MM) IN HEIGHT ABOVE NATURAL GRADE.**

9. Prefabricated *swimming pools* accessory to a Group R-3 occupancy that are less than ~~24~~ **18** inches (~~457~~ ~~610~~ mm) deep, are not greater than ~~5000~~ **2500** gallons (~~18,925~~ **9,463** L), **HAVE A SURFACE AREA LESS THAN 150 SQUARE FEET (13.94 m²)**, and are installed entirely above ground.

14. RE-ROOFING OF WEATHER RESISTANT ELEMENTS OF BUILDINGS WITH SIMILAR MATERIALS AND LOADS.

15. TEMPORARY TENTS OR MEMBRANE STRUCTURES NOT TO EXCEED 400 SQUARE FEET (37.16 M²) IN TOTAL AREA, WITH NOT LESS THAN 2 OPEN SIDES.

At Section to 105.3 add new number 8. as follows:

8. CONTRACTORS AND SUB-CONTRACTORS REQUIRED TO BE LICENSED BY THE STATE OF ARIZONA REVISED STATUTES (ARS), SHALL PROVIDE THEIR STATE LICENSE NUMBER.

Revise Sub-Section 105.3.2 as follows:

105.3.2 Time limitation of application. An application for a *permit* for any proposed work shall be deemed to have been abandoned **AND SHALL BE CONSIDERED EXPIRED** 180 days after the date of filing, unless such application has been pursued in good faith or a *permit* has been issued; except that the *building official* is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated. **REQUESTS FOR EXTENSION SHALL BE MADE PRIOR TO EXPIRATION, AND MAY NOT BE GRANTED IF THIS CODE OR ANY OTHER PERTINENT LAWS OR ORDINANCES HAVE BEEN AMENDED SUBSEQUENT TO THE DATE OF APPLICATION. TO RENEW ACTION ON AN APPLICATION AFTER EXPIRATION, A NEW APPLICATION AND PLANS SHALL BE SUBMITTED AND REVIEW FEES AS APPLICABLE TO NEW PERMITS SHALL APPLY.**

Revise Section 105.5 by adding the following text at the end of the section:

BEFORE WORK DEEMED TO HAVE EXPIRED CAN RECOMMENCE, A PERMIT SHALL BE RENEWED OR A NEW PERMIT SHALL BE OBTAINED. FEES SHALL BE ONE HALF THE AMOUNT REQUIRED FOR A NEW PERMIT FOR SUCH WORK, PROVIDED NO CHANGES HAVE BEEN MADE TO THE ORIGINALLY APPROVED CONSTRUCTION DOCUMENTS FOR SUCH WORK, AND PROVIDED FURTHER THAT SUCH SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. THE COST FOR RENEWAL FOR A PERMIT EXPIRED OR ABANDONED FOR A PERIOD OF ONE YEAR OR MORE SHALL BE AS REQUIRED FOR A NEW PERMIT.

Revise the first paragraph of Sub-Section 107.3.4.1 as follows:

107.3.4.1 Deferred Submittals. Deferral of any submittal items shall have the prior approval of the *building official*. The *registered design professional in responsible charge* shall list the deferred submittals on the *construction documents* for review by the *building official*. **ALL DEFERRED SUBMITTALS SHALL BE ASSESSED A SEPARATE PLAN REVIEW FEE BASED UPON THE HOURLY RATE AS ESTABLISHED BY THE TOWN OF ORO VALLEY BUILDING AND FIRE PERMIT FEE SCHEDULE.**

Add new Section 107.6 as follows:

107.6 ELECTRONIC RECORDS. A FULL SET OF APPROVED CONSTRUCTION DOCUMENTS, INCLUSIVE OF DEFERRED ITEMS, REVISIONS, OR AS-BUILT CHANGES SHALL BE PROVIDED AS AN ELECTRONIC FILE. THE ELECTRONIC FILE SHALL BE IN PORTABLE DOCUMENT FORMAT (PDF) AND STORED ON A CD-ROM DISK AND SHALL BE PROVIDED AS PART OF THE APPLICATION FOR A CERTIFICATE OF OCCUPANCY.

Add the following text to the end of Section 109.3:

A DETAILED ESTIMATE OF THE PROJECT VALUATION IN THE FORM OF A CONSTRUCTION CONTRACT OR ESTIMATE BY A PROFESSIONAL ESTIMATOR, THAT DESCRIBES THE COST AND SCOPE OF THE WORK TO BE PERFORMED SHALL BE PROVIDED TO ASSIST IN MAKING THE FINAL PERMIT VALUATION DETERMINATION.

Add the following text to the end of Section 109.4:

THIS FEE SHALL BE EQUAL TO THE PERMIT FEE REQUIRED FOR SUCH WORK. PAYMENT OF THIS FEE IS NOT INTENDED TO EXEMPT AN APPLICANT FROM COMPLIANCE WITH ANY PROVISIONS OF THIS CODE OR OF OTHER APPLICABLE CODES OR ORDINANCES.

Revise Section 109.6 as follows:

109.6 Refunds. ~~The building official is authorized to establish a refund policy.~~ WHEN A FEE FOR A PERMIT OR PLAN REVIEW HAS BEEN PAID OR COLLECTED ERRONEOUSLY, THE *BUILDING OFFICIAL* IS AUTHORIZED TO GRANT A REFUND BASED ON THE FOLLOWING CRITERIA:

A) NOT MORE THAN 80 PERCENT OF THE PERMIT FEE MAY BE REFUNDED WHEN NO WORK HAS BEEN DONE UNDER A PERMIT ISSUED IN ACCORDANCE WITH THIS CODE AND THE PERMIT HAS NOT EXPIRED.

B) NOT MORE THAN 80 PERCENT OF THE PLAN REVIEW FEE MAY BE REFUNDED WHEN AN APPLICATION FOR A PERMIT FOR WHICH A PLAN REVIEW FEE HAS BEEN PAID IS WITHDRAWN OR CANCELLED PRIOR TO ANY REVIEW OF PLANS.

NOTE: A WRITTEN AND SIGNED REQUEST FROM THE PERMIT APPLICANT SHALL BE PROVIDED BEFORE A REFUND WILL BE CONSIDERED.

Add the following text to the end of Section 111.4.

WHEN A CERTIFICATE OF OCCUPANCY IS REVOKED, UTILITY CONNECTIONS FOR THE PREMISIS INVOLVED SHALL BE DISCONNECTED OR DISCONTINUED BY THE UTILITY COMPANY, IF DEEMED NECESSARY BY THE BUILDING OFFICIAL.

CHAPTER 2

Add the following text to the end of Section 201.4:

***MERRIAM WEBSTER'S COLLEGIATE DICTIONARY, 11TH EDITION*, SHALL BE CONSIDERED AS PROVIDING ORDINARILY ACCEPTED MEANINGS.**

Revise the definition for *Residential Aircraft Hanger* as follows:

RESIDENTIAL AIRCRAFT HANGER, TYPE I. An accessory building less than 2,000 square feet (186 m²) and 20 feet (6096 mm) **OR LESS** in *building height* constructed on a one- or two-family property where aircraft are stored. Such use will be considered as a residential accessory use incidental to the dwelling.

Add a new definition for Residential Aircraft Hanger, Type II in Section 202 as follows:

RESIDENTIAL AIRCRAFT HANGAR, TYPE II. A DETACHED ACCESSORY BUILDING GREATER THAN 2,000 SQUARE FEET (186 M²) OR GREATER THAN 20 FEET (6096 MM) IN BUILDING HEIGHT CONSTRUCTED ON A ONE- OR TWO-FAMILY RESIDENTIAL PROPERTY WHERE AIRCRAFT ARE STORED. SUCH USE WILL BE CONSIDERED AS A RESIDENTIAL ACCESSORY USE INCIDENTAL TO THE DWELLING.

Revise the first sentence of the definition for *SWIMMING POOL* as follows:

[BG] SWIMMING POOL. Any structure intended for swimming, recreational bathing or wading that contains water over ~~24~~ **18** inches (~~610~~ **457** mm) deep.

CHAPTER 3

Revise Section 308.2.4 as follows:

308.2.4 Five or fewer persons receiving custodial care. A facility with five or fewer persons receiving custodial care shall be classified as Group R-3 or shall comply with the *International Residential Code* provided ~~an automatic sprinkler system is installed in accordance with Section 903.3.1.3 or with Section P2904 of the *International Residential Code*.~~ **A FIRE PROTECTION WATER SUPPLY IS PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE (IFC) SECTION 507, AND FIRE FLOW IS PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, APPENDIX B.**

Revise Section 310.4.1 as follows:

310.4.1 Care facilities within a dwelling. Care facilities for five or fewer persons receiving care that are within a single-family dwelling are permitted to comply with the *International Residential Code* provided ~~an automatic sprinkler system is installed in accordance with Section 903.3.1.3 or with Section P2904 of the *International Residential Code*.~~ **A FIRE PROTECTION WATER SUPPLY IS PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE (IFC) SECTION 507, AND FIRE FLOW IS PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, APPENDIX B.**

CHAPTER 4

Revise Sections 412.4 as follows:

412.4 Residential aircraft hangars. **TYPE 1** *residential aircraft hangars* shall comply with Sections 412.4.1 through 412.4.5. **TYPE II RESIDENTIAL AIRCRAFT HANGERS SHALL COMPLY WITH SECTIONS 412.3.1 THROUGH 412.3.6.2 AND WITH SECTIONS 412.4.1 THROUGH 412.4.5.**

Add the following text to the end of the exception to Section 412.3.6:

TYPE II RESIDENTIAL AIRCRAFT HANGERS NOT USED FOR REPAIR OF AIRCRAFT ARE EXEMPT FROM FOAM SUPPRESSION REQUIREMENTS.

Revise sections 412.4.5 as follows:

412.4.5 Height and area limits. TYPE I *Residential aircraft hangars* shall not be greater than 2,000 square feet (186 m²) in area and 20 feet (6096 mm) in building height. **TYPE II RESIDENTIAL AIRCRAFT HANGERS SHALL NOT EXCEED THE HEIGHT AND AREA LIMITATIONS OF SECTIONS 503 AND 504, AND TABLES 504.1, 504.4 AND 506.2.**

Add new Section 429 as follows:

429 RESIDENTIAL CARE/ASSISTED LIVING HOMES

429.1 APPLICABILITY. THE PROVISIONS OF THIS SECTION SHALL APPLY TO A BUILDING OR PART THEREOF HOUSING NOT MORE THAN 16 PERSONS, EXCLUDING STAFF, ON A 24-HOUR BASIS, WHO BECAUSE OF AGE, MENTAL DISABILITY OR OTHER REASONS, LIVE IN A SUPERVISED RESIDENTIAL ENVIRONMENT WHICH PROVIDES LICENSED CARE SERVICES. EXCEPT AS SPECIFICALLY REQUIRED BY THIS SECTION, DIVISION R-4 OCCUPANCIES SHALL MEET ALL APPLICABLE PROVISIONS OF GROUP R-3.

429.2 GENERAL. BUILDINGS OR PORTIONS OF BUILDINGS CLASSIFIED AS R-4 OCCUPANCIES MAY BE CONSTRUCTED OF ANY MATERIALS ALLOWED BY THIS CODE; SHALL NOT EXCEED TWO STORIES IN HEIGHT NOR BE LOCATED ABOVE THE SECOND STORY IN ANY BUILDING; AND SHALL NOT EXCEED 2000 SQUARE FEET ABOVE THE FIRST STORY EXCEPT AS PROVIDED FOR IN SECTION 506 OF THIS CODE.

429.3 MIXED USES. R-4 OCCUPANCIES SHALL BE SEPARATED FROM OTHER OCCUPANCIES IN ACCORDANCE WITH TABLE 508.4.

429.4 ACCESS AND MEANS OF EGRESS FACILITIES.

429.4.1 ACCESSIBILITY. R-4 OCCUPANCIES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE ROUTE AS REQUIRED BY SECTION 1104.1 OF THIS CODE AND IN ACCORDANCE WITH THE ARIZONANS WITH DISABILITIES ACT (ADAAG). SLEEPING ROOMS AND TOILET ROOMS FOR OTHER THAN CARE GIVERS SHALL BE ACCESSIBLE.

EXCEPTION: IN EXISTING BUILDINGS, BATHING AND TOILET ROOMS NEED NOT BE MADE ACCESSIBLE, BUT GRAB BARS SHALL BE PROVIDED IN ACCORDANCE WITH ICC/ANSI A117.1.

429.4.2 EXITS

429.4.2.1 NUMBER OF EXITS. EVERY STORY, BASEMENT, OR PORTION THEREOF SHALL HAVE NOT LESS THAN TWO EXITS.

EXCEPTION: BASEMENTS AND STORIES ABOVE THE FIRST FLOOR MAY HAVE ONE MEANS OF EGRESS IF THE FLOOR LEVEL CONTAINS NO SLEEPING ROOMS OR WHEN THE SLEEPING ROOMS HAVE EMERGENCY ESCAPE AND RESCUE OPENINGS IN ACCORDANCE WITH SECTION 1030.

429.4.2.2 EMERGENCY ESCAPE AND RESCUE. R-4 OCCUPANCIES SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 1030, EXCEPT THAT EXCEPTION 1. SHALL NOT APPLY TO R-4 OCCUPANCIES.

429.4.2.3 DISTANCE TO EXITS. THE MAXIMUM TRAVEL DISTANCE SHALL COMPLY WITH TABLE 1017.2.

429.4.2.4 EMERGENCY EXIT ILLUMINATION. IN THE EVENT OF A POWER FAILURE, EXIT ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY SYSTEM POWERED BY STORAGE BATTERIES OR BY AN EMERGENCY BACKUP GENERATOR.

CHAPTER 5

Revise Section 502.1 as follows:

502.1 Address identification. New and existing buildings shall be provided with *approved* address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be a minimum of 4 inches (102 mm) high with a minimum stroke width of 1/2 inch (12.7 mm). ~~Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response.~~ **A SECONDARY ADDRESS SHALL BE PLACED ON OR NEAR THE REAR ENTRY OF BUSINESSES WHEN THE BUSINESS IS LOCATED IN A MULTI-UNIT COMMERCIAL CENTER.**

(Remainder of text unchanged)

CHAPTER 9

Revise Section 903.2. as follows:

903.2 Where required. Approved *automatic sprinkler systems* in new buildings and structures shall be provided ~~in the locations described in Sections 903.2.1 through 903.2.12~~ **THROUGHOUT ALL GROUP A, B, E, F, H, I, M, R, AND S OCCUPANCIES FOR EVERY FACILITY, BUILDING OR PORTION OF A BUILDING HEREAFTER CONSTRUCTED WITHIN OR MOVED INTO THE JURISDICTION.**

(Remainder of text unchanged)

Revise Section 903.2 by adding Exception 2. as follows:

EXCEPTION 2. AUTOMATIC SPRINKLER SYSTEMS ARE NOT REQUIRED FOR TYPE R-3 OCCUPANCIES. TYPE R-3 OCCUPANCIES SHALL MEET THE FIRE PROTECTION WATER SUPPLY REQUIREMENTS OF THE INTERNATIONAL FIRE CODE (IFC), SECTION 507, AND FIRE FLOW REQUIREMENTS IN ACCORDANCE WITH IFC APPENDIX B.

Delete Sections 903.2.1.1; 903.2.1.2; 903.2.1.3; 903.2.1.4; 903.2.1.5; 903.2.3; 903.2.4; 903.2.4.1; 903.2.5; 903.2.5.1; 903.2.5.2; 903.2.5.3; 903.2.6; 903.2.7. 903.2.7.1, 903.2.8, 903.2.8.2, 903.2.8.3, 903.2.8.4, 903.2.9; 903.2.9.1; 903.2.9.2; 903.2.10; and 903.2.10.1 in their entirety and reserve the numbering.

Delete the entire text in Section 903.2.8.1 and replace it with the following:

903.2.8.1 GROUP R-3. GROUP R-3 OCCUPANCIES SHALL MEET THE FIRE PROTECTION WATER SUPPLY REQUIREMENTS OF THE INTERNATIONAL FIRE CODE (IFC), SECTION 507, AND FIRE FLOW REQUIREMENTS IN ACCORDANCE WITH IFC APPENDIX B.

Revise Section 903.3.5 by deleting the last sentence and replacing it with the following text:

AUTOMATIC SPRINKLER SYSTEM WATER SUPPLY DATA FOR HYDRAULIC CALCULATIONS SHALL BE BASED ON A CURVE THAT IS 90 PERCENT OF THE AVAILABLE WATER SUPPLY CURVE AS DETERMINED BY FLOW TEST INFORMATION.

Revise Section 903.4 as follows:

903.4 Sprinkler system supervision and alarms. All valves controlling the water supply for *automatic sprinkler systems*, pumps, tanks, water levels and temperatures, critical air pressures, and water-flow switches on all sprinkler systems shall be electrically supervised by a listed fire alarm control unit. **A MANUAL FIRE ALARM BOX SHALL BE PROVIDED AND ACTUATION OF THE WATER-FLOW SWITCH OR MANUAL ALARM BOX SHALL CAUSE AN ALARM SIGNAL.**

Exceptions:

1. **CONTROL VALVES ON *automatic sprinkler systems*** protecting one- and two-family *dwellings*.

(No change to exceptions 2 through 7)

Revise Subsection 903.4.2 as follows:

903.4.2 Alarms. An approved audible device, located on the exterior of the building in an approved location, shall be connected to each *automatic sprinkler system*. Such sprinkler ~~water-flow~~ alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system **OR BY ANY MANUAL FIRE ALARM BOX INSTALLED IN THE SYSTEM.** Where a fire alarm system is installed, actuation of the *automatic sprinkler system* shall cause the building fire alarm system to actuate.

Add new Section 903.6 as follows:

903.6 AUTOMATIC SPRINKLER SYSTEM RISER LOCATION. THE AUTOMATIC SPRINKLER SYSTEM FIRE RISER SHALL BE LOCATED WITHIN A BUILDING. DIRECT ACCESS TO THE ROOM THROUGH A DOOR FROM THE EXTERIOR OF THE BUILDING SHALL BE PROVIDED. THE RISER LOCATION SHALL BE CONSPICUOUSLY IDENTIFIED WITH PERMANENT SIGNAGE WITH LETTERING HEIGHT OF NOT LESS THAN ONE INCH (25 MM) AND HAVE A BACKGROUND

THAT CONTRASTS WITH THE LETTERING.

Add new Sub-Section 912.1.1 as follows:

912.1.1 FIRE DEPARTMENT CONNECTION FOR NFPA 13D SYSTEMS. NFPA 13D SYSTEMS WHICH ARE NOT SUPPLIED FROM A MUNICIPAL, PUBLIC, OR PRIVATE WATER PURVEYOR SHALL HAVE A SINGLE SNOOT 1-1/2 INCH (38 MM) FIRE DEPARTMENT CONNECTION (FDC), OR SHALL HAVE AN AUTOMATIC BACKUP POWER SUPPLY FOR THE SYSTEM WATER PUMP. SYSTEMS FOR TYPE R-3 OCCUPANCIES GREATER THAN 5000 SQUARE FEET (465 METERS²) OF FIRE AREA SHALL BE EQUIPPED WITH A SINGLE SNOOT 1-1/2 INCH (38 MM) FDC.

Revise Section 912.2 by adding the following text at the end of the section:

NFPA 13 AND NFPA 13R SYSTEM FIRE DEPARTMENT CONNECTIONS (FDC'S) SHALL BE INSTALLED ON THE FIRE DEPARTMENT ACCESS SIDE OF BUILDINGS AND SHALL BE READILY DISTINGUISHABLE FROM THE FIRE ACCESS SIDE. FDC'S SHALL BE LOCATED NOT LESS THAN 18 INCHES (457 MM) NOR GREATER THAN 48 INCHES (1219 MM) ABOVE THE ADJOINING SURFACE OR GRADE. READY ACCESS TO FDC'S SHALL BE PROVIDED WITH A MINIMUM UNOBSTRUCTED AND MAINTAINED WORKING SPACE IN ACCORDANCE WITH SECTION 912.4.2.

CHAPTER 11

Revise Section 1101.1 as follows:

1101.1 Scope. The provisions of this chapter shall control the design and construction of facilities for accessibility for individuals with disabilities. **IN ADDITION, THE "ARIZONANS WITH DISABILITIES ACT" (ARIZONA REVISED STATUTES, TITLE 41, CHAPTER 9, ARTICLE 8, INCLUSIVE OF THE 2010 STANDARDS FOR ACCESSIBLE DESIGN, AND THE "ARIZONANS WITH DISABILITIES ACT" IMPLEMENTING RULES: (ARIZONA ADMINISTRATIVE CODE, TITLE 10, CHAPTER 3, ARTICLE 4), THE RULES OF WHICH INCORPORATE THE FEDERAL "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES," SHALL APPLY TO NEW CONSTRUCTION AND TO ALTERATIONS.**

CHAPTER 12

Revise Section 1203.1 as follows:

Equipment and systems. Interior spaces intended for human occupancy shall be provided with active or passive space heating systems ~~capable of maintaining an indoor temperature of not less than 68°F (20°C) at a point 3 feet (914 mm) above the floor on the design heating day.~~

(Exceptions unchanged)

CHAPTER 16

Revise Table 1607.1 sub-note 25 as follows:

| OCCUPANCY OR USE | UNIFORM (psf) | CONCENTRATE D (lbs.) |
|--|--|----------------------------|
| 25. Residential One- and two-family dwellings Uninhabitable attics without storage ⁱ Uninhabitable attics with storage ^{i,j,k} Habitable attics and sleeping areas ^k (other categories sub-section 25 unchanged) | 10 20 40 30 40 | — |

Revise Sub-Section 1609.1.1 by adding the following text at the end of the section:

WHEN DETERMINING BASIC WIND SPEED THE FOLLOWING CRITERIA SHALL BE USED:

RISK CATEGORY I -100 MPH (161 KPH)

RISK CATEGORY II -105 MPH (169 KPH)

RISK CATEGORY III -110 MPH (177 KPH)

RISK CATEGORY IV -115 MPH (185 KPH)

At Section 1612.3 revise by inserting **[THE FLOOD INSURANCE STUDY FOR PIMA COUNTY, ARIZONA AND INCORPORATED AREAS]** where it requests **[NAME OF JURISDICTION]** and **[SEPTEMBER 28 2012]** where it requests **[INSERT DAY OF ISSUANCE]**.

CHAPTER 17

Revise Section 1705.4 to add the following exception:

- 4. MASONRY WALLS LESS THAN 6 FEET (1828 MM) IN HEIGHT ABOVE FINISHED GRADE, THAT ARE FREESTANDING AND WITHOUT SURCHARGE, UNLESS REQUIRED BY THE DESIGN ENGINEER.**

CHAPTER 24

Delete Exception 4. of Section 2406.4.2 in its entirety.

Revise the exception to Section 2406.4.5 as follows:

Exception: Glazing that is more than 60 inches (1524 mm), measured horizontally and in a straight line, from the water's edge of a bathtub, hot tub, spa, whirlpool, or swimming pool.

CHAPTER 29

Add new Sub-note g. for Table 2902.1 as follows:

G. DRINKING FOUNTAINS ARE NOT REQUIRED FOR BUSINESS AND MERCANTILE CLASSIFICATIONS WITH AN OCCUPANT LOAD OF 15 OR FEWER OR IN RESTAURANTS AND SIMILAR BUSINESSES WHERE WATER IS SERVED, REGARDLESS OF OCCUPANT LOAD.

Add the following text at the end Section 2902.5.

DRINKING FOUNTAINS, WATER COOLERS AND DISPENSERS SHALL NOT BE LOCATED IN RESTROOMS, AND WHEN INSTALLATION IS REQUIRED BY THIS CODE, SHALL BE LOCATED IN AN AREA THAT IS READILY ACCESSIBLE TO THE PUBLIC.

CHAPTER 31

Delete the text in Section 3109.1 in its entirety and replace with the following:

3109.1 GENERAL. THE DESIGN AND CONSTRUCTION OF PUBLIC AND SEMI-PUBLIC SWIMMING POOLS, SPAS, AND HOT TUBS SHALL COMPLY WITH THE ARIZONA ADMINISTRATIVE CODE, TITLE 18, CHAPTER 5, ARTICLE 2. WHICH IS ADOPTED BY REFERENCE.

Revise Section 3111.1 as follows:

3111.1 General. Solar energy systems shall comply with the requirements of this section, **AND WITH THE 2017 EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70), AND 2018 EDITION OF THE INTERNATIONAL FIRE CODE, AS AMENDED.**