

ORDINANCE NO. (O)18-16

AN ORDINANCE OF THE TOWN OF ORO VALLEY, ARIZONA AMENDING CHAPTER 6, SECTION 6-1-1 ENTITLED “BUILDING CODE” OTHERWISE KNOWN AS THE “2018 INTERNATIONAL BUILDING CODE”; AMENDING CHAPTER 6, SECTION 6-1-7 ENTITLED “RESIDENTIAL CODE” OTHERWISE KNOWN AS THE “2018 INTERNATIONAL RESIDENTIAL CODE”; AMENDING CHAPTER 6, SECTION 6-1-8 ENTITLED “FUEL GAS CODE” OTHERWISE KNOWN AS THE “2018 INTERNATIONAL FUEL GAS CODE”; AMENDING CHAPTER 6, SECTION 6-1-9 ENTITLED “ENERGY CONSERVATION CODE” OTHERWISE KNOWN AS THE “2018 ENERGY CONSERVATION CODE”; AMENDING CHAPTER 6, SECTION 6-1-10 ENTITLED “PROPERTY MAINTENANCE CODE”, OTHERWISE KNOWN AS THE “2018 INTERNATIONAL PROPERTY MAINTENANCE CODE”; AMENDING CHAPTER 6, SECTION 6-2-1 ENTITLED “ELECTRICAL CODE”, OTHERWISE KNOWN AS THE “2017 NATIONAL ELECTRICAL CODE”; AMENDING CHAPTER 6, SECTION 6-3-1 ENTITLED “MECHANICAL CODE”, OTHERWISE KNOWN AS THE “2018 INTERNATIONAL MECHANICAL CODE”; AMENDING CHAPTER 6, SECTION 6-4-1 ENTITLED “PLUMBING CODE”, OTHERWISE KNOWN AS THE “2018 INTERNATIONAL PLUMBING CODE”; AMEND CHAPTER 6, ARTICLE 6-8 ENTITLED “FIRE CODE”, OTHERWISE KNOWN AS THE “2018 INTERNATIONAL FIRE CODE”; AMENDING CHAPTER 6, BUILDING, ARTICLE 6-5 ENTITLED “SWIMMING POOL CODE”, BY ADOPTING THE “2018 INTERNATIONAL SWIMMING POOL AND SPA CODE” WITH ALL ASSOCIATED AMENDMENTS THERETO; AND REPEALING ALL RESOLUTIONS, ORDINANCES, AND RULES OF THE TOWN OF ORO VALLEY IN CONFLICT THEREWITH; AND PRESERVING THE RIGHTS AND DUTIES THAT HAVE ALREADY MATURED AND PROCEEDINGS THAT HAVE ALREADY BEGUN THEREUNDER

WHEREAS, pursuant to ARS § 41-1346, this Ordinance is a public record with three copies of “Building Code”, otherwise known as the “2018 International Building Code”; “Residential Code”, otherwise known as the “2018 International Residential Code”; “Fuel Gas Code”, otherwise known as the “2018 International Fuel Gas Code”; “Energy Conservation Code”, otherwise known as the “2018 International Energy Conservation Code”; “Property Maintenance Code”, otherwise known as the “2018 International Property Maintenance Code”; “Electrical Code”, otherwise known as the “2017 National Electrical Code”; “Mechanical Code”, otherwise known as the “2018 International Mechanical Code”; “Plumbing Code”, otherwise known as the “2018 International Plumbing Code”; “Fire Code”, otherwise known as the “2018 International Fire Code”; “Swimming Pool Code”, otherwise known as the “2018 International Swimming Pool and Spa Code” with all associated amendments on file in the office of the Town Clerk; and

WHEREAS, on December 6, 1995, the Town Council approved Ordinance No. (O)95-85, which adopted that certain document entitled, “Oro Valley Town Code, Chapter 6, ”Building”, as the sixth chapter of the official Town Code; and

WHEREAS, Chapter 6, Building, Section 6-1-1 is the Town of Oro Valley’s Building Code; and

WHEREAS, Chapter 6, Building, Section 6-1-7 is the Town of Oro Valley’s Residential Code; and

WHEREAS, Chapter 6, Building, Section 6-1-8 is the Town of Oro Valley’s Fuel Gas Code; and

WHEREAS, Chapter 6, Building, Section 6-1-9 is the Town of Oro Valley’s Energy Conservation Code; and

WHEREAS, Chapter 6, Building, Section 6-1-10 is the Town of Oro Valley’s Property Maintenance Code; and

WHEREAS, Chapter 6, Building, Section 6-2-1 is the Town of Oro Valley’s Electrical Code; and

WHEREAS, Chapter 6, Building, Section 6-3-1 is the Town of Oro Valley’s Mechanical Code; and

WHEREAS, Chapter 6, Building, Section 6-4-1 is the Town of Oro Valley’s Plumbing Code; and

WHEREAS, Chapter 6, Building, Article 6-8 is the Town of Oro Valley’s Fire Code; and

WHEREAS, Chapter 6, Building, Article 6-5 is the Town of Oro Valley’s Swimming Pool Code; and

WHEREAS, on December 5, 2018, the Town Council adopted Resolution No. (R)18-50 making those certain documents entitled the “Building Code” otherwise known as the “2018 International Building Code”; “Residential Code”, otherwise known as the “2018 International Residential Code”; “Fuel Gas Code”, otherwise known as the “2018 International Fuel Gas Code”; “Energy Conservation Code”, otherwise known as the “2018 International Energy Conservation Code”; “Property Maintenance Code”, otherwise known as the “2018 International Property Maintenance Code”; “Electrical Code”, otherwise known as the “2017 National Electrical Code”; “Mechanical Code”, otherwise known as the “2018 International Mechanical Code”; “Plumbing Code”, otherwise known as the “2018 International Plumbing Code”; “Fire Code”, otherwise known as the “2018 International Fire Code”; and “Swimming Pool Code”, otherwise known as the “2018 International Swimming Pool and Spa Code” , with all amendments associated thereto a public record; and

WHEREAS, changes made to the Building Code, Residential Code, Fuel Gas Code, Energy Conservation Code, Property Maintenance Code, Electrical Code, Mechanical Code, Plumbing Code, and Fire Code were primarily due to errors in printed codes, coordination between codes, climate and geographic considerations, life and safety issues and local community issues.

WHEREAS, the adoption of the 2018 International Swimming Pool and Spa Code is necessary as the current Town of Oro Valley Pool and Spa Code is in conflict with some aspects of State law in regard to life-safety requirements and the new 2018 International Swimming Pool and Spa Code brings the Town's Swimming Pool Code up-to-date; and

NOW, THEREFORE, BE IT ORDAINED by the Mayor and the Council of the Town of Oro Valley, Arizona that:

SECTION 1: Those certain documents, known as making those certain documents entitled the "Building Code" otherwise known as the "2018 International Building Code"; "Residential Code", otherwise known as the "2018 International Residential Code"; "Fuel Gas Code", otherwise known as the "2018 International Fuel Gas Code"; "Energy Conservation Code", otherwise known as the "2018 International Energy Conservation Code"; "Property Maintenance Code", otherwise known as the "2018 International Property Maintenance Code"; "Electrical Code", otherwise known as the "2017 National Electrical Code"; "Mechanical Code", otherwise known as the "2018 International Mechanical Code"; "Plumbing Code", otherwise known as the "2018 International Plumbing Code" "Fire Code", otherwise known as the "2018 International Fire Code"; and "Swimming Pool Code", otherwise known as the "2018 International Swimming Pool and Spa Code"; with all associated amendments thereto are hereby adopted.

SECTION 2. Adopts by reference the 2018 International Building Code, 2018 International Residential Code, 2018 International Fuel Gas Code, 2018 Energy Conservation Code, 2018 Property Maintenance Code, 2017 National Electrical Code, 2018 International Mechanical Code, 2018 International Plumbing Code, 2018 International Fire Code and the 2018 International Swimming Pool and Spa Code, with all associated amendments, is made a public record by Resolution No: (R)18-50.

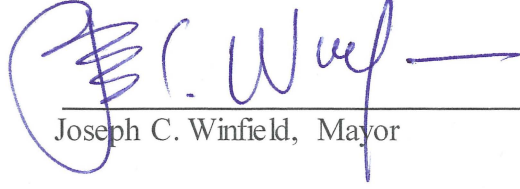
SECTION 3. All Oro Valley Ordinances, Resolutions, or Motions and parts of Ordinances, Resolutions, or Motions of the Council in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 4. If any section, subsection, sentence, clause, phrase or portion of this Ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions thereof.

SECTION 5. That the Town Manager, Town Clerk, Town Legal Services Director, or their duly authorized officers and agents are hereby authorized and directed to take all steps necessary to carry out the purposes and intent of this ordinance.

PASSED AND ADOPTED by Mayor and Town Council, the Town of Oro Valley, Arizona, this 5th day of December, 2018.

TOWN OF ORO VALLEY



Joseph C. Winfield, Mayor

ATTEST:



Michael Standish Town Clerk

Date: 12/11/18

APPROVED AS TO FORM:



Tobin Sidles, Legal Services Director

Date: 12/7/18

POPUBLISHED: DAILY TERRITORIAL
DECEMBER 11, 12, 13, 14, 2018

POSTED: 12/11/18 - 1/10/18

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 | 10 | — |
| Uninhabitable attics with storage ^{i,j,k} | 20 40 | |
| Habitable attics and sleeping areas ^k | 30 40 | |
| (other categories sub-section 25 unchanged) | | |

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.**

**TOWN OF ORO VALLEY AMENDMENTS TO THE
INTERNATIONAL RESIDENTIAL CODE, 2018 EDITION**

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

CHAPTER 1

In Section R101.1 where it asks for [NAME OF JURISDICTION], insert [TOWN OF ORO VALLEY, ARIZONA].

Add the following text to the end of Section R102.5:

THE FOLLOWING APPENDICES ARE CONSIDERED TO BE ADOPTED AS PART OF THIS CODE: A, B, C, G, H, J, N, O, P, Q, R AND S.

Revise Section R105.2, Sub-Sections 1, 3, and 7, and add new sub-section 11 as follows:

R105.2 Work exempt from permit.

Building:

1. One-story detached *accessory structures*, provided the floor area does not exceed ~~200~~ **120** square feet (~~18.58~~ **11.15** m²). **PERMITS ARE REQUIRED FOR ELECTRICAL, PLUMBING, OR MECHANICAL INSTALLATIONS IN STRUCTURES OF ANY SIZE.**
3. 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 **AND FREE STANDING MASONRY WALLS NOT OVER 6 FEET (1829 MM) IN HEIGHT ABOVE NATURAL GRADE.**
7. Pre-fabricated swimming pools that are less than ~~24~~ **18** inches (~~610~~ **457** mm) deep.
11. **RE-ROOFING OF WEATHER RESISTANT ELEMENTS OF EXISTING BUILDINGS WITH EQUIVALENT MATERIALS AND LOADS.**

Insert the following text at the end of Section R105.3.2:

IN ORDER TO RENEW ACTION ON AN APPLICATION AFTER EXPIRATION, THE APPLICANT SHALL RESUBMIT PLANS AND PAY A NEW PLAN REVIEW FEE. AN APPLICATION MAY NOT BE EXTENDED IF THIS CODE OR ANY OTHER APPLICABLE LAWS OR ORDINANCES HAVE BEEN AMENDED SUBSEQUENT TO THE DATE OF APPLICATION.

Insert the following text at the end of Section R105.5:

IF A PERMIT HAS EXPIRED, EXTENSION REQUESTS MAY NOT BE GRANTED UNLESS APPLICABLE FEES HAVE BEEN PAID. BEFORE WORK DEEMED TO HAVE EXPIRED CAN RECOMMENCE, THE PERMIT SHALL BE RENEWED, AND THE FEE THEREFORE 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 THAT SUCH SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. IF THE PERMIT HAS BEEN EXPIRED OR ABANDONED FOR A PERIOD GREATER THAN ONE YEAR, THE FEE(S) FOR RENEWAL SHALL BE AS REQUIRED FOR A NEW PERMIT.

Revise Section R106.3.1 as follows:

R106.3.1 Approval of construction documents. Where the *building official* issues a *permit*, the *construction documents* shall be **CLEARLY INDICATED AS approved BY A METHOD ESTABLISHED BY THE BUILDING OFFICIAL.** ~~in writing or by a stamp which states “REVIEWED FOR CODE COMPLIANCE.”~~ One set of *construction documents* so reviewed shall be retained by the *building official*. The other set shall be returned to the applicant, shall be kept at the site of work and shall be open to inspection by the *building official* or a duly authorized representative.

Revise Section R108.2 as follows:

R108.2 Schedule of permit fees. On buildings, structures, electrical, gas, mechanical, and plumbing systems or *alterations* requiring a *permit*, a fee for each *permit* shall be paid as required, in accordance with the ~~schedule as established by the applicable governing authority~~ **TOWN OF ORO VALLEY BUILDING VALUATION DATA SCHEDULE AND FEE SCHEDULES AS ESTABLISHED BY THE TOWN OF ORO VALLEY. PLAN REVIEW FEES SHALL BE 65% OF THE PERMIT FEE AND SHALL BE PAID AT THE TIME OF APPLICATION.**

Revise Section R108.3 as follows:

R108.3 Building permit valuations. **APPLICANTS FOR A PERMIT SHALL PROVIDE AN ESTIMATED PERMIT VALUATION WHEN APPLICATION IS MADE.** Building *permit* valuation shall include total value of the work for which a *permit* is being issued, such as electrical, gas, mechanical, plumbing *equipment* and other permanent systems, including materials, **TAX** and labor. **THE PERMIT VALUATION SHALL NOT BE LESS THAN AS PRESCRIBED IN THE ORO VALLEY BUILDING VALUATION DATA SCHEDULE AND FEE SCHEDULES AS ESTABLISHED BY THE TOWN OF ORO VALLEY. FINAL VALUATION SHALL BE DETERMINED BY THE BUILDING OFFICIAL.**

Revise Section R108.5 as follows:

R108.5 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.

A WRITTEN REQUEST THAT IS SIGNED BY THE PERMIT APPLICANT SHALL BE PROVIDED BEFORE A REFUND WILL BE CONSIDERED.

Revise Section R110.1 as follows:

R110.1 Use and occupancy. A building or structure shall not be used ~~or~~, occupied, **OR FURNISHED IN WHOLE OR IN PART**, and a *change of occupancy* or change of use of a building or structure or portion thereof shall be made, until the *building official* has issued a certificate of occupancy therefore as provided herein.

(Remainder of section is unchanged)

CHAPTER 3

At Table R301.2(1) CLIMACTIC AND GEOGRAPHIC DESIGN CRITERIA insert the following text:

Wind Speed -insert [115 MPH -3 SECOND GUST]
Seismic Design Category -insert [B]
Weathering -insert [MODERATE]
Termite -insert [MODERATE TO HEAVY]
Winter Design Temp –REFER TO SECTION N1109.09.1
Flood Hazards -insert [PER PIMA COUNTY FLOOD CONTROL DISTRICT]
Air Freezing Index -insert [4]
Mean Annual Temp -insert [68]
All categories not noted -insert [N/A –NOT APPLICABLE]

At Table R301.2(1) MANUAL J DESIGN CRITERIA^a by inserting the following text:

Elevation –insert 2545
Latitude –insert 32° N – 111° E
Winter heating –insert 24% Dry Bulb
Summer cooling –insert 103% Dry Bulb
Altitude correction factor –insert 0.89
Indoor design temperature –insert 70 Degrees
Design temperature cooling –insert 75 Degrees
Heating temperature difference –insert 31 Degrees
Cooling temperature difference –insert 15 Degrees
Wind velocity heating –insert 15 MPH
Wind velocity cooking –insert 7.5 MPH
Coincident wet bulb –insert 66
Daily range –insert High
Winter humidity –insert 43
Summer humidity –insert 47

Revise Table 301.5 as follows:

TABLE R301.5
MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS
(in pounds per square foot)

| USE | LIVE LOAD |
|-----------------------------------------------------------------------|------------------|
| Uninhabitable attics with limited storage ^{b, g.} | 20 40 |
| Sleeping rooms | 30 40 |

(Other sections and uses in table to remain unchanged)

At Section R308.4.1, add an exception 3, as follows:

3. WHERE THE EXPOSED BOTTOM EDGE OF GLAZING IS GREATER THAN 60 INCHES (1524 MM) MEASURED VERTICALLY ABOVE AN ADJACENT STANDING OR WALKING SURFACES.

Revise the exception in Section R308.4.5 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 ~~bath~~bathtub, hot tub, spa, ~~whirl~~whirlpool, or swimming pool, or from the edge of a ~~shower~~shower, sauna or steam room.

Delete the text in Section R309.5 Fire Sprinklers in its entirety and replace with the following:

R309.5 Fire sprinklers. FIRE PROTECTION WATER SUPPLIES FOR RESIDENTIAL GARAGES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 507 OF THE INTERNATIONAL FIRE CODE (IFC) AND FIRE FLOW SHALL BE PROVIDED IN ACCORDANCE WITH THE IFC, APPENDIX B.

Add the following text at the end of Section R311.3.1 and prior to the exception, as follows:

WHEN EXTERIOR LANDINGS OR FLOORS ARE LOWER IN ELEVATION THAN THE INTERIOR FINISH FLOOR LEVEL, A DOOR SHALL NOT SWING OVER THE LANDING OR FLOOR.

(Exception is unchanged)

Delete Section **R313 AUTOMATIC FIRE SPRINKLER SYSTEMS** in its entirety and replace with the following:

SECTION R313
FIRE PROTECTION WATER SUPPLY

R313.1 ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSE WATER SUPPLY. FIRE PROTECTION WATER SUPPLIES FOR RESIDENTIAL STRUCTURES SHALL BE PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE (IFC)

SECTION 507, AND FIRE FLOW SHALL BE PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, APPENDIX B.

At Section R314.3 to add a number 5. as follows:

- 5. WHERE THE CEILING HEIGHT OF A ROOM OPEN TO A HALLWAY SERVING SLEEPING AREAS EXCEEDS THAT OF THE HALLWAY BY 24 INCHES (610 MM) OR GREATER, SMOKE ALARMS SHALL BE LOCATED IN THE ROOM OR AREA IMMEDIATELY PRECEDING THE HALLWAY.**

Add new Section R328 Sound Attenuation as follows:

**SECTION R328
SOUND ATTENUATION**

R328.1 SOUND ATTENUATION. ONE AND TWO FAMILY DWELLINGS SHALL BE SUBJECT TO THE FOLLOWING PROVISIONS:

- 1) EXTERIOR WALL PENETRATIONS BY PIPE DUCTS OR CONDUITS SHALL BE CAULKED.**
- 2) WINDOWS SHALL HAVE MINIMUM SOUND TRANSMISSION RATING OF STC-22.**
- 3) NON-GLAZED PORTIONS OF EXTERIOR SIDE-HINGED DOORS SHALL BE SOLID-CORE WOOD OR INSULATED HOLLOW METAL OF NOT LESS THAN 1-3/4 INCHES (44.5 MM) THICKNESS.**
- 4) FIREPLACES SHALL BE PROVIDED WITH TIGHT FITTING DAMPERS.**
- 5) EXTERIOR WALLS SHALL BE NOT LESS THAN 4 INCHES (102 MM) IN NOMINAL THICKNESS AND SHALL BE FINISHED ON THE OUTSIDE WITH BLOCK, SIDING, SHEATHING, OR STUCCO OVER MINIMUM ONE INCH (25 MM) THICK STYROFOAM. FIBERGLASS OR CELLULOSE INSULATION NOT LESS THAN 3-1/2 INCHES (89 MM) THICK SHALL BE INSTALLED WITHIN THE WALL CAVITIES.**

NOTE: IN LIEU OF THE PRESCRIPTIVE REQUIREMENTS OF THIS SECTION, SOUND ATTENUATION TO A MAXIMUM INTERIOR TO EXTERIOR NOISE TRANSFER OF 45 DECIBELS MAY BE CERTIFIED BY A REGISTERED ARCHITECT OR ENGINEER AT TIME OF FINAL CONSTRUCTION.

CHAPTER 4

Revise the Exception: in Section R401.3 as follows:

Exception: Where *lot lines*, walls, slopes or other physical barriers prohibit 6 inches (152 mm) of fall within 10 feet (3048 mm), **THE FINAL GRADE SHALL SLOPE AWAY FROM THE FOUNDATION AT NOT LESS THAN 5 PERCENT AND THE WATER SHALL BE DIRECTED TO drains or swales ~~shall be constructed~~ to ensure drainage away from the structure. SWALES SHALL BE SLOPED A MINIMUM OF 1 PERCENT WHEN LOCATED WITHIN 10 FEET (3048 MM) OF THE BUILDING FOUNDATION. SLOPES LESS THAN ONE PERCENT MAY BE UTILIZED WHEN APPROVED BY THE TOWN ENGINEER DUE TO**

LIMITING FACTORS AND WHEN ROOF GUTTERS ARE PROVIDED TO DIRECT DRAINAGE AWAY FROM AREAS SLOPED AT LESS THAN ONE PERCENT. IN NO CASE SHALL SWALES BE SLOPED AT LESS THAN 0.5 PERCENT. Impervious surfaces within 10 feet (3048 mm) of the building foundation shall be sloped not less than 2 percent away from the building.

CHAPTER 8

Revise Section R802.11.1 by deleting the entire text and replacing it as follows:

Section R802.11.1 Uplift resistance. UPLIFT RESISTANCE SHALL BE DETERMINED BY ONE OF THE FOLLOWING METHODS (PLEASE NOTE THAT REQUIREMENTS OF THIS SECTION ARE IN ADDITION TO THOSE REQUIRED FOR STRUCTURAL CONNECTION OF WOOD FRAMING MEMBERS):

1. DESIGN-BASED WIND UPLIFT CRITERIA. WIND UPLIFT REQUIREMENTS SHALL BE DETERMINED BY USING THE DESIGN WIND VALUE OF 110 MPH WITHIN TABLE R802.11 FOR THE CONTINUOUS LOAD PATH TRANSMITTING THE UPLIFT FORCES FROM THE RAFTER OR TRUSS TIES TO THE FOUNDATION.

2. PRESCRIPTIVE-BASED WIND UPLIFT CRITERIA. CONVENTIONAL FRAMED WOOD OR COLD-FORMED STEEL STRUCTURES, BEARING WALL VERTICAL CONNECTIONS SHALL BE MADE BY USE OF APPROVED STRUCTURAL SHEATHING OR BY APPROVED STRAP TIES TO PROVIDE A CONTINUOUS LOAD PATH FROM THE JOIST OR TRUSSES THROUGH THE LEDGER OR TOP PLATE TO THE FOUNDATION SILL PLATE. WHERE STRAP TIE FASTENERS ARE USED THEY SHALL BE SPACED AT INTERVALS NOT TO EXCEED 24 INCHES (610 MM). KING STUDS REQUIRE NOT LESS THAN TWO FASTENERS AT THE TOP AND BOTTOM OF EACH STUD. ALL HEADERS SHALL BE CONNECTED TO KING STUDS WITH STRAP TIE FASTENERS LISTED FOR THAT PURPOSE. STUDS ABOVE HEADERS SHALL BE FASTENED AT INTERVALS NOT TO EXCEED 24 INCHES (610 MM). FASTENERS ARE NOT REQUIRED FOR STUDS LOCATED BELOW WINDOW SILLS. PLATFORM FRAMING REQUIRES CONTINUOUS SHEATHING SPANNING ACROSS RIM JOIST, OR STUD TO STUD METAL TIE STRAPPING LISTED FOR THAT PURPOSE. NON-BEARING EXTERIOR WALLS SHALL BE FASTENED AT INTERVALS NOT TO EXCEED 48 INCHES (1219 MM).

CHAPTER 11

At Section N1101.4 (R102.1.1) add the following text at the end of the section:

COMPLIANCE WITH THE NET-ZERO ENERGY STANDARD SHALL BE DEEMED TO COMPLY WITH THIS CODE.

At Section N1102.4.1.2 (R402.4.1.2) replace the third sentence with the following text:

TESTING SHALL BE CONDUCTED BY INDIVIDUALS HOLDING CURRENT CERTIFICATION FOR SUCH TESTING FROM RESIDENTIAL ENERGY

SERVICES NETWORK (RESNET), BUILDING PERFORMANCE INSTITUTE (BPI) OR OTHER APPROVED AGENCIES.

CHAPTER 13

Add new Section M1307.7 as follows:

M1307.7 LIQUEFIED PETROLEUM APPLIANCES. LIQUEFIED PETROLEUM (LPG) APPLIANCES SHALL NOT BE INSTALLED IN A LOCATION, SUCH AS A PIT OR AN ATTIC, WHERE POTENTIAL FOR PONDING OR RETENTION OF GAS EXISTS.

CHAPTER 14

Revise Section M1411.3 by adding the following text at the end of the paragraph:

CONDENSATE DISPOSAL SHALL BE ALLOWED TO TERMINATE AS FOLLOWS:

- 1. INTO A FIXTURE TAILPIECE BY MEANS OF A DIRECTIONAL FITTING; OR TO A WASTE AIR GAP FITTING OR LAUNDRY TRAY EQUIPPED WITH A SECONDARY DRAIN.**
- 2. ABOVE THE FINISHED GRADE OUTSIDE THE BUILDING IN AN AREA CAPABLE OF ABSORBING THE CONDENSATE FLOW WITHOUT SUB-SURFACE DRAINAGE**
- 3. OVER ROOF DRAINS EQUIPPED WITH DRAINAGE PIPES THAT TERMINATE AT OR ABOVE GRADE, AND IN AN AREA CAPABLE OF ABSORBING CONDENSATE FLOW WITHOUT SURFACE DRAINAGE.**

Revise the last sentence of Sub-Section M1411.3.2 as follows:

Where the drain pipes from more than one unit are manifolded together for condensate drainage, the pipe or tubing shall be sized in accordance with ~~an approved method~~ **THE INTERNATIONAL MECHANICAL CODE (IMC), TABLE 307.2.2.**

CHAPTER 15

Revise Section M1503.3 Exhaust discharge. by adding the following text at the end of the section and prior to the Exception:

CHANGES IN SIZE OR DIRECTION SHALL BE MADE BY USE OF AN APPROVED TRANSITION FITTING.

(exception unchanged)

CHAPTER 20

Revise Section M2005.2 as follows:

M2005.2 Prohibited locations. Fuel-fired water heaters shall not be installed in a ~~room used as a storage~~ **CLOTHES** closet. Water heaters located in a bedroom or bathroom shall be installed in a sealed enclosure so that *combustion air* will not be taken from the living space. Installation of direct-vent water heaters within an enclosure is not required.

CHAPTER 24

Revise the first paragraph of Section G2406.2 as follows:

G2406.2 (303.3) Prohibited locations. *Appliances* shall not be located in sleeping rooms, bathrooms, toilet rooms, ~~storage~~ **CLOTHES** closets ~~or surgical rooms~~, or in a space that opens only into such rooms or spaces, except where the installation complies with one of the following:
(remainder of text unchanged)

At Section G2407.11 add a new number 9. as follows:

9. OUTSIDE COMBUSTION AIR SHALL BE PROVIDED THROUGH AN OPENING OR DUCT LOCATED WITHIN 12 INCHES (305 MM) OF THE TOP AND WITHIN 12 INCHES (305 MM) OF THE BOTTOM OF ENCLOSED SPACES. OPENINGS MAY CONNECT TO SPACES DIRECTLY COMMUNICATING WITH THE OUTDOORS, SUCH AS VENTILATED ATTICS OR CRAWL SPACES. A SINGLE DUCT OR OPENING SHALL NOT SERVE BOTH COMBUSTION AIR OPENINGS. DUCTS SERVING THE LOWER OPENING FOR LIQUID PETROLEUM GAS (LPG) APPLIANCES SHALL BE LOCATED AT THE LOWEST POSSIBLE FLOOR LEVEL AND SHALL NOT CONTAIN POCKETS WHERE LPG COULD ACCUMULATE.

Add a new **Exception 2.** to Section G2408.2 as follows:

Exception:

1. Elevation of the *ignition source* is not required for *appliances* that are *listed* as flammable-vapor-ignition resistant.
2. **ELEVATION OF IGNITION SOURCES IS NOT REQUIRED FOR DOMESTIC CLOTHES DRYERS WITHIN PRIVATE GARAGES FOR SINGLE FAMILY RESIDENCES.**

Revise Section G2415.12 as follows:

G2415.12 (404.12) Minimum burial depth. METALLIC Underground *pipng systems* shall be installed a minimum depth of 12 inches (305 mm) below grade. ~~except as provided for in Section G2415.12.1~~ **NON-METALLIC PIPING SHALL BE LOCATED NOT LESS THAN 18 INCHES (457 MM) BELOW GRADE.**

Delete Section **G2415.12.1 (404.12.1) Individual outside appliances.** in its entirety.

Revise Section G2427.6.4, Item 1. as follows:

1. Gas vents that are 12 inches (305 mm) or less in size and located not less than ~~8 feet (2438 mm)~~ **4 FEET (1219 MM)** from a vertical wall or similar obstruction shall terminate above the roof in accordance with Figure G2427.6.4. **VENTS LOCATED WITHIN 4 FEET (1219 MM) OF A PARAPET WALL MUST TERMINATE NOT LESS THAN 12 INCHES (305 MM) ABOVE THE TOP OF THE WALL.**

CHAPTER 26

At Sub-Section P2603.5.1, where [NUMBER] is requested insert [12 INCHES (305 MM)].

CHAPTER 28

Add new section P2804.8 to read:

P2804.8 REPLACEMENT WATER HEATERS. THE FOLLOWING ALTERNATIVE METHOD MAY BE USED FOR REPLACEMENT WATER HEATERS WHEN IT IS IMPRACTICAL TO RUN THE TEMPERATURE AND PRESSURE RELIEF VALVE DISCHARGE LINE TO THE EXTERIOR OF A RESIDENCE:

- 1. A DRAIN PAN SHALL BE INSTALLED UNDER THE WATER HEATER.**
- 2. THE TEMPERATURE RELIEF VALVE SHALL BE SET TO A MAXIMUM OF 210 DEGREES AND THE PRESSURE RELIEF VALVE TO 150 PSI WITH A LINE DRAINING INTO THE PAN.**

CHAPTER 29

Delete Section P2904.1.1 “Required sprinkler locations” in its entirety and replace with the following:

P2904.1.1 FIRE PROTECTION WATER SUPPLY AND FIRE FLOW. FIRE PROTECTION WATER SUPPLIES FOR RESIDENTIAL STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE (IFC) SECTION 507 AND FIRE FLOW SHALL BE PROVIDED IN ACCORDANCE WITH IFC, APPENDIX B.

CHAPTER 30

Revise Section P3005.2.5 by deleting Exception 1. in its entirety and reserving the numbering.

Revise Section P3008.1 as follows:

P3008.1 Where required. ~~Where the flood level rims of plumbing fixtures are below FINISH FLOOR ELEVATION IS LESS THAN 12 INCHES (305 MM) ABOVE~~ the elevation of the manhole cover of the next upstream manhole in the public sewer, the fixtures shall be protected by a backwater valve installed in the *building drain*, branch of the *building drain* or horizontal branch serving ~~such fixtures~~ **THAT FLOOR LEVEL. PLUMBING FIXTURES ON FLOOR LEVELS AT ELEVATIONS 12 INCHES (305 MM) OR GREATER ABOVE THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER SHALL NOT DISCHARGE THROUGH A BACKWATER VALVE SERVING A LOWER FLOOR LEVEL.**

CHAPTER 37

Add new Section E3703.8 to read:

E3703.8 DISHWASHER AND GARBAGE DISPOSER BRANCH CIRCUITS (DWELLING UNITS). DISHWASHER AND GARBAGE DISPOSERS MAY SHARE A SINGLE 20 AMPERE BRANCH CIRCUIT.

**TOWN OF ORO VALLEY AMENDMENTS TO THE
INTERNATIONAL FUEL GAS CODE, 2018 EDITION**

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

CHAPTER 1

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

Revise Section 103 title and 103.1 as follows:

**SECTION 103 (IFGC)
BUILDING INSPECTION DEPARTMENT ~~OF INSPECTION~~**

103.1 General. The **BUILDING INSPECTION** Department ~~of Inspection~~ is hereby created and the executive official in charge thereof shall be known as the code official.

Delete Sections 104 and 105 in their entirety, and substitute Section 104 of the International Building Code, 2018 edition with Amendments thereto in its entirety.

Revise the Exception to Section 106.1 as follows:

Exception: Where *appliance* and *equipment* replacements and repairs are required to be performed in an emergency situation, the permit application shall be submitted **TO THE PERMITTING DEPARTMENT** within **48 HOURS AFTER EMERGENCY WORK IS COMPLETED** ~~the next working business day of the Department of Inspection.~~

Revise Section 106.3.2 as follows:

106.3.2 Time limitation of application. An application for a permit for any proposed work shall be deemed to have been abandoned 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 code official shall have the authority to grant one or more extensions of time for periods not exceeding 180 days each. The extension shall be requested in writing and justifiable cause demonstrated. **REQUESTS FOR EXTENSION SHALL BE MADE PRIOR TO EXPIRATION. IN ORDER TO RENEW AN APPLICATION AFTER EXPIRATION, THE APPLICANT SHALL SUBMIT APPLICABLE PLANS AND PAY A NEW PLAN REVIEW FEE. AN APPLICATION MAY NOT BE EXTENDED IF THIS CODE OR OTHER APPLICABLE LAWS OR ORDINANCES HAVE BEEN AMENDED AFTER EXPIRATION, AND PRIOR TO ISSUANCE OF A NEWLY ISSUED PERMIT.**

Delete Sections 106.5.3 and 106.5.4 in their entirety and substitute Section 105.5 in its entirety of the International Building Code 2018 edition with Amendments thereto.

Delete Section 106.6 in its entirety and substitute Section 109 in its entirety of the International Building Code 2018 edition with Amendments thereto.

Delete Sections 108 and 109 in their entirety and substitute Sections 113 and 114 in their entirety of the International Building Code 2018 edition with Amendments thereto.

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.

CHAPTER 3

Revise the first paragraph of Section 303.3 as follows:

303.3 Prohibited locations. Appliances shall not be located in sleeping rooms, bathrooms, toilet rooms, ~~storage~~ **CLOTHES** closets or surgical rooms, or in a space that opens only into such rooms or spaces, except where the installation complies with one of the following:

(Remainder of text unchanged)

Add the following text to the end of Section 303.7:

LIQUEFIED PETROLEUM GAS (LPG) APPLIANCES SHALL NOT BE INSTALLED IN A PIT.

Revise Section 306.5 by adding item 11. at the end of the section and prior to the exception as follows:

11. WHEN ACCESS IS THROUGH A ROOF HATCH OR ACCESS DOOR THE MINIMUM CLEAR ACCESS OPENING DIMENSION SHALL NOT BE LESS THAN 22 INCHES (559 MM) BY 30 INCHES (762 MM).

Revise the last sentence of Section 307.3 as follows:

Where the drain pipes for more than one unit are manifolded together for condensate drainage, the pipe or tubing shall be sized in accordance with **TABLE 307.2.2 OF THE INTERNATIONAL MECHANICAL CODE, 2018 EDITION** ~~an approved method.~~

CHAPTER 4

Add the following text after the first sentence of Section 404.9:

404.9 Above-ground outdoor piping. *Piping* installed outdoors shall be elevated not less than 3½ inches (89 mm) above ground and where installed above roof surfaces, shall be elevated 3½ inches (89 mm) above the roof surface. **PIPING LESS THAN 3½ INCHES (89 MM) ABOVE GROUND SURFACES SHALL HAVE PROTECTIVE COATINGS IN ACCORDANCE WITH SECTION 404.11.2.**

(Remainder of text unchanged)

Revise Section 404.12 as follows:

404.12 Minimum burial depth. Underground *piping* system shall be installed a minimum depth of 12 inches (305 mm) below **FINISHED** grade, ~~except as provided for in Section 404.12.1.~~

Delete Section 404.12.1 in its entirety

CHAPTER 5

Add the following text after the 3rd sentence of Section 502.4:

Where vents pass through attic space, the shield shall terminate not less than 2 inches (51 mm) above the insulation materials and shall be secured in place to prevent displacement. **WHERE INSULATION IS INSTALLED AGAINST ROOF SHEATHING, THE SHIELD SHALL EXTEND NOT LESS THAN 2 INCHES (51 MM) BELOW THE BOTTOM OF THE INSULATION.**

(Remainder of text unchanged)

Add the following text after the 3rd sentence of Section 503.5.11 as follows:

Where vents pass through attic space, the shield shall terminate not less than 2 inches (51 mm) above the insulation materials and shall be secured in place to prevent displacement. **WHERE INSULATION IS INSTALLED AGAINST ROOF SHEATHING, THE SHIELD SHALL EXTEND NOT LESS THAN 2 INCHES (51 MM) BELOW THE BOTTOM OF THE INSULATION.**

(Remainder of text unchanged)

Revise Section 503.6.5 item number 1. as follows:

1. Gas vents that are 12 inches (305 mm) or less in size and located not less than ~~8 feet (2438 mm)~~ **4 FEET (1219 MM)** from a vertical wall or similar obstruction shall terminate above the roof in accordance with Figure 503.6.4. **VENTS LOCATED WITHIN 4 FEET (1219 MM) OF A PARAPET WALL SHALL TERMINATE NOT LESS THAN 12 INCHES (305 MM) ABOVE THE TOP OF THE WALL.**

CHAPTER 6

Strike all text of Section 631 and replace with the following:

BOILERS SHALL BE INSTALLED IN ACCORDANCE WITH *ARIZONA BOILER RULES*, TITLE 20, CHAPTER 5, ARTICLE 4.

Delete Section 632 in its entirety and reserve the numbering:

**TOWN OF ORO VALLEY AMENDMENTS TO THE
INTERNATIONAL ENERGY CONSERVATION CODE, 2018 EDITION**

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

PART 1 –SCOPE AND APPLICATION

*APPENDICES CA AND RA are not adopted as part of this code.

CHAPTER 1 [CE]

At Section C101.1 insert [TOWN OF ORO VALLEY] where it requests [NAME OF JURISDICTION]

Add new Sub-Section C102.1.1 as follows:

C102.1.1 ABOVE CODE PROGRAMS. COMPLIANCE WITH THE NET-ZERO STANDARD SHALL BE DEEMED TO COMPLY WITH THIS CODE.

Revise Section.C104.3 as follows:

C104.3 Work commencing before permit issuance. Any person who commences any work before obtaining the necessary permits shall be subject to an additional fee established by the *code official* that shall be in addition to the required permit fees. **THIS FEE SHALL BE EQUAL TO THE AMOUNT OF THE PERMIT FEE REQUIRED BY THE ADOPTED FEE SCHEDULE. THE PAYMENT OF SUCH FEE SHALL NOT EXEMPT AN APPLICANT FROM COMPLIANCE WITH PROVISIONS OF THIS CODE OR OF OTHER ORDINANCES, NOR FROM ANY PENALTIES PRESCRIBED BY LAW.**

Revise Section C104.5 as follows:

C104.5 Refunds. ~~The *code official* is authorized to establish a refund policy.~~ **WHEN A FEE FOR A PERMIT OR PLAN REVIEW HAS BEEN PAID OR COLLECTED ERRONEOUSLY, THE *CODE OFFICIAL* IS AUTHORIZED TO GRANT A REFUND BASED ON THE FOLLOWING CRITERIA:**

PERMIT FEE. 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.

PLAN REVIEW FEE. 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 BY THE PERMIT APPLICANT SHALL BE PROVIDED BEFORE A REFUND WILL BE CONSIDERED.

CHAPTER 2 [CE]

Revise the following definition in Section C202:

RESIDENTIAL BUILDING. For this code, includes detached one- and two-family dwellings and multiple single-family dwellings (townhouses), and *Group* R-2, R-3 and R-4 buildings three stories or less in height above grade plane, **AS WELL AS RESIDENTIAL AIRCRAFT HANGARS.**

CHAPTER 4 [CE]

At Section C402.1.1 Low-energy buildings, add 4. At the end of the section as follows:

4. STRUCTURES NOT INTENDED FOR PUBLIC OCCUPANCY THAT MAY HAVE OPENINGS IN THE THERMAL ENVELOPE DURING BUSINESS OPERATIONS, AND THAT DO NOT UTILIZE AIR CONDITIONING. THIS WOULD INCLUDE REPAIR GARAGES, WAREHOUSES, FABRICATION SHOPS, AND SIMILAR FACILITIES.

Revise Section C403.10.2, Item #4. as follows:

4. The floor of walk-in freezers shall be provided with insulation having a thermal resistance of not less than R-28, **UNLESS THE FLOOR IS OF SLAB-ON-GRADE CONSTRUCTION.**

Revise Section C404.7.3 as follows:

C404.9.3 POOL AND SPA MOTORS. ~~Covers. Outdoor heated pools and outdoor permanent spas shall be provided with a vapor retardant cover or other *approved* vapor retardant means.~~ **MOTORS WITH A TOTAL HORSEPOWER OF ONE OR MORE FOR POOLS AND IN-GROUND PERMANENTLY INSTALLED SPAS SHALL HAVE THE CAPABILITY OF OPERATING AT MULTIPLE SPEEDS, WITH A LOW SPEED ROTATION RATING NO GREATER THAN ONE-HALF OF THE MOTOR'S MAXIMUM ROTATION RATE, AND WITH A PUMP CONTROL CAPABLE OF OPERATING THE PUMP AT MULTIPLE SPEEDS. HIGH SPEED OVERRIDE CAPABILITY SHALL BE FOR A TEMPORARY PERIOD NOT TO EXCEED ONE TWENTY-FOUR HOUR CYCLE WITHOUT RESETTING TO THE DEFAULT SETTING.**
(DELETE EXCEPTION)

Revise Section.C405.2.1 by striking 7. Restrooms. and 11. Warehouse storage areas. and reserving the numbering.

Delete Section C405.5 Dwelling electrical meter, in its entirety.

Delete Section C406 ADDITIONAL EFFICIENCY PACKAGE OPTIONS, in its entirety.

Delete Section C406.8 Enhanced envelope performance, in its entirety.

CHAPTER 5 [CE]

Revise Section.C501.4 by striking *International Existing Building Code* and *International Sewage Disposal Code* from the text.

CHAPTER 1 [RE]

At Section R101.1 insert **TOWN OF ORO VALLEY** where it requests **[NAME OF JURISDICTION]**.

Delete Section R103.3.3 “Phased Approval” in its entirety.

Revise Section.R104.3 as follows:

R104.3 Work commencing before permit issuance. Any person who commences any work before obtaining the necessary permits shall be subject to an additional fee established by the *code official* that shall be in addition to the required permit fees. **THIS FEE SHALL BE EQUAL TO THE AMOUNT OF THE PERMIT FEE REQUIRED BY THE ADOPTED FEE SCHEDULE. THE PAYMENT OF SUCH FEE SHALL NOT EXEMPT AN APPLICANT FROM COMPLIANCE WITH PROVISIONS OF THIS CODE OR OF OTHER ORDINANCES, NOR FROM ANY PENALTIES PRESCRIBED BY LAW.**

Revise Section R104.5 as follows:

R104.5 Refunds. ~~The *code official* is authorized to establish a refund policy.~~ **WHEN A FEE FOR A PERMIT OR PLAN REVIEW HAS BEEN PAID OR COLLECTED ERRONEOUSLY, THE *CODE OFFICIAL* IS AUTHORIZED TO GRANT A REFUND BASED ON THE FOLLOWING CRITERIA:**

PERMIT FEE. 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.

PLAN REVIEW FEE. 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 BY THE PERMIT APPLICANT SHALL BE PROVIDED BEFORE A REFUND WILL BE CONSIDERED.

CHAPTER 2 [RE]

Revise the following definition in Section R202:

RESIDENTIAL BUILDING. For this code, includes detached one- and two-family dwellings and townhouses, ~~as well as~~ Group R-2, R-3 and R-4 buildings three stories or less in height above grade plane, **AS WELL AS RESIDENTIAL AIRCRAFT HANGARS.**

CHAPTER 4 [RE]

Revise Section R402.4.1.2 by deleting the third sentence and replacing it with the following:

TESTING SHALL BE CONDUCTED BY INDIVIDUALS HOLDING CURRENT CERTIFICATION FOR SUCH TESTING FROM RESIDENTIAL ENERGY SERVICES NETWORK (RESNET), BUILDING PERFORMANCE INSTITUTE (BPI), OR BY OTHER *APPROVED* AGENCIES.

Add new Sub-Section R403.10.3 as follows:

R403.9.3 POOL AND SPA MOTORS. MOTORS WITH A TOTAL HORSEPOWER OF ONE OR MORE FOR POOLS AND PERMANENTLY INSTALLED SPAS SHALL HAVE THE CAPABILITY OF OPERATING AT MULTIPLE SPEEDS, WITH A LOW SPEED ROTATION RATING NO GREATER THAN ONE-HALF OF THE MOTOR'S MAXIMUM ROTATION RATE, AND WITH A PUMP CONTROL CAPABLE OF OPERATING THE PUMP AT MULTIPLE SPEEDS. HIGH SPEED OVERRIDE CAPABILITY SHALL BE FOR A TEMPORARY PERIOD NOT TO EXCEED ONE TWENTY-FOUR HOUR CYCLE WITHOUT RESETTING TO THE DEFAULT SETTING.

Revise Section R405.4.2 by adding the following text at the end of the first paragraph:

UNLESS OTHERWISE APPROVED BY THE *CODE OFFICIAL* IN ACCORDANCE WITH AN ABOVE-CODE PROGRAM.

Revise Section R405.4.2.2, item number 4. As follows:

4. A site-specific energy analysis report that is in compliance with Section R405.3, **OR A REPORT UTILIZING AN APPROVED ABOVE-CODE PROGRAM.**

Revise Table R406.4 by deleting the following text at the end of footnote a.:

~~..of the 2015 International Energy Conservation Code.~~

**TOWN OF ORO VALLEY AMENDMENTS TO THE
INTERNATIONAL PROPERTY MAINTENANCE CODE, 2018 EDITION**

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

APPENDIX A IS NOT ADOPTED AS PART OF THIS CODE.

CHAPTER 1

Section 101.1 insert **[THE TOWN OF ORO VALLEY]** where it asks for **[NAME OF JURISDICTION]**.

Revise the title of Section 103 as follows:

**SECTION 103
~~DEPARTMENT OF PROPERTY MAINTENANCE~~ INSPECTION AND COMPLIANCE
DEPARTMENT**

Revise Section 103.1 as follows:

103.1 General. The ~~department of property maintenance~~ **Inspection AND COMPLIANCE DEPARTMENT** is hereby created and the executive official in charge thereof shall be known as the *code official*.

Revise Section 103.5 as follows:

103.5 Fees. The fees for activities and services performed by the department in carrying out its responsibilities under this code shall be ~~as indicated in the following schedule.~~ **IN ACCORDANCE WITH THE TOWN OF ORO VALLEY BUILDING VALUATION DATA SCHEDULE AND FEE SCHEDULES AS ESTABLISHED BY THE TOWN OF ORO VALLEY.**

~~[JURISDICTION TO INSERT APPROPRIATE SCHEDULE.]~~

Revise Section 105.4 as follows:

105.4 Used material and equipment. Materials that are reused shall comply with the requirements of ~~this code~~ **SPECIFICALLY ADOPTED CODES** for new materials.
(Remainder of text is unchanged)

Delete Section 105.6 in its entirety and reserve the numbering:

Revise Section 112.4 as follows:

112.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine ~~of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.~~ **IN ACCORDANCE WITH THE FEES CHARGED FOR RE-INSPECTIONS AS IDENTIFIED IN THE “ORO VALLEY CONSTRUCTION PERMIT**

FEE SCHEDULE". EACH DAY THAT WORK CONTINUES IN VIOLATION OF A STOP WORK ORDER SHALL CONSTITUTE A SEPARATE OFFENSE.

CHAPTER 3

Revise Section 302.4 as follows:

302.4 Weeds. Premises and exterior property shall be maintained free from weeds or plant growth in excess of ~~JURISDICTION TO INSERT HEIGHT AND INCHES~~ A MANNER THAT WILL PREVENT FLOWERING AND RE-GERMINATION.

(Remainder of text is unchanged)

Revise Section 303.2 as follows:

303.2 Enclosures. Private swimming pools, hot tubs and spas, containing water more than 24 inches (610 mm) in depth shall ~~be completely surrounded by a fence~~ **INCLUDE AN ENCLOSURE** or barrier **IN ACCORDANCE WITH THE SWIMMING POOL AND SPA CODE IN EFFECT AT THE TIME WHEN THE POOL OR SPA WAS CONSTRUCTED** at least 48 inches (1219 mm) in height above the finished ground level measured on the side of the barrier away from the pool. Gates and doors in such barriers shall be self-closing and self-latching. Where the self-latching device is a minimum of 54 inches (1372 mm) above the bottom of the gate, the release mechanism shall be located on the pool-side of the gate. ~~the release mechanism shall be located on the pool-side of the gate.~~ Self-closing and self-latching gates **AND DOORS** shall be maintained such that the gate **OR DOOR** will positively close and latch when released from an open position of 6 inches (152 mm) from the gate post **OR DOOR JAMB**. No existing pool enclosure shall be removed, replaced or changed in a manner that reduces its effectiveness as a safety barrier **AND ALTERATION TO AN APPROVED BARRIER OR ENCLOSURE IS SUBJECT TO ALL PERMITS REQUIRED BY THE CURRENTLY ADOPTED ORDINANCE. CONSTRUCTION OF NEW BARRIERS AND ENCLOSURES SHALL BE IN ACCORDANCE WITH THE CODE THAT IS IN EFFECT AT THE TIME OF THE ALTERATION OR REPLACEMENT.**

~~**Exception:** Spas or hot tubs with a safety cover that complies with ASTM F 1346 shall be exempt from the provisions of this section.~~

Revise the first paragraph of Section 304.1.1 as follows:

304.1.1 Unsafe conditions. The following conditions shall be determined as unsafe and shall be repaired or replaced to comply **IN ACCORDNCE** with the *International Building Code* or the *International RESIDENTIAL Existing Building Code* as required for existing buildings:

(Remainder of text is unchanged)

Revise Section 304.14 as follows:

304.14 Insect screens. ~~During the period from [DATE] to [DATE],~~ Every door, window and other outside opening required for ventilation of habitable rooms, food preparation areas, food service areas or any areas where products to be included or utilized in food for human consumption are processed, manufactured, processed, or stored shall be supplied with *approved* tightly fitting screens of minimum 16 mesh per inch (16 mesh per 25 mm), and every screen door used for insect control shall have a self-closing device in good working condition.

(Exception to remain unchanged)

Revise Section 307.1 as follows:

307.1 General. Every exterior and interior flight of stairs **IN SINGLE FAMILY DWELLINGS** having more than four risers **AND IN OTHER OCCUPANCIES WITH ONE OR MORE RISERS** shall have a handrail on **NOT LESS THAN** one side of the stair **OR STAIRS** and every open portion of a stair**WAY**, landing, balcony, porch, deck, ramp, or other walking surface which is more than 30 inches (762 mm) above the floor or grade below shall have *guards*. **THE TOP OF** Handrails shall not be less than ~~30~~ **34** inches (~~762~~ **864** mm) in height or more than ~~42~~ **38** inches (~~1067~~ **965** mm) in height measured vertically above the nosing of the tread or above the finished floor of the landing or walking surfaces. *Guards* shall not be less than ~~30~~ **36** inches (~~762~~ **914** mm) in height above the floor or landing, balcony, porch, deck, or ramp or other walking surface **FOR SINGLE FAMILY DWELLINGS, NOR LESS THAN 42 INCHES (1067 MM) IN HEIGHT FOR OTHER OCCUPANCIES.**

Exception: ~~*Guards* shall not be required where exempted by the adopted building code.~~

CHAPTER 6

Revise section 602.2 as follows:

602.2 Residential occupancies. Dwellings shall be provided with **FULLY FUNCTIONING APPLIANCES THAT PROVIDE** heating.

(Remainder of text and exception is deleted)

In Sections 602.3 and 602.4 where it requests [DATE] to [DATE], insert [OCTOBER 1] to [MARCH 31].

Revise section 604.2 as follows:

604.2 Service. The size and usage of appliances and equipment shall serve as a basis for determining the need for additional facilities in accordance with NFPA 70. Dwelling units shall be served by a three-wire, 120/240 volt, single phase electrical service having a rating ~~of 60 amperes~~ **NOT LESS THAN THAT PRESCRIBED BY THE NATIONAL ELECTRICAL CODE.**

Revise Sections 605.2 and 605.3 by deleting the text in its entirety and substituting the following:

605.2 RECEPTACLES AND LUMINAIRES. RECEPTACLES AND LUMINAIRES SHALL BE INSTALLED AS REQUIRED BY THE EDITION OF THE NATIONAL ELECTRICAL CODE IN EFFECT AT THE TIME OF CONSTRUCTION.

CHAPTER 7

Revise sections 702.1 and 702.2 by replacing the International Fire Code with **THE INTERNATIONAL BUILDING CODE** in each location that it is referenced.

Revise section 703.7 as follows:

703.7 Vertical shafts. ~~Interior~~ Vertical shafts, including stairways, elevator hoistways and service and utility shafts, which connect two or more stories of a building shall be enclosed or protected as required in Chapter 11 of the *International Fire Code*. New floor openings in existing buildings shall comply ~~with~~ **BY** the *International Building Code*.

Revise section 704.5.1 by replacing **Fire Chief** with **Fire Code Official** where referenced.

**TOWN OF ORO VALLEY AMENDMENTS TO THE
NATIONAL ELECTRICAL CODE, 2017 EDITION**

The following provision of the National Electrical Code, 2017 Edition, as published by the National Fire Protection Association, is hereby amended as follows:

Revise Article 210.5 by deleting paragraph (C)(1) and replacing it with the following:

(C)(1) UNGROUNDED CONDUCTORS. BRANCH CIRCUITS SHALL CONFORM TO THE FOLLOWING COLOR CODE.

| <u>VOLTS</u> | <u>PHASE</u> | <u>SYSTEM</u> | <u>PHASE A</u> | <u>PHASE B</u> | <u>PHASE C</u> | <u>GROUNDING CONDUCTOR</u> |
|--------------|--------------|---------------|----------------|----------------|----------------|--------------------------------|
| 120/208 | 3 | WYE | BLACK | RED | BLUE | WHITE |
| 277/480 | 3 | WYE | BROWN | ORANGE | YELLOW | GREY |
| 120/240 | 3 | DELTA | BLACK | ORANGE | RED | WHITE |

EXCEPTIONS:

- 1) THIS COLOR CODING IS NOT REQUIRED IN RESIDENTIAL OCCUPANCIES.
- 2) ADDITIONS TO EXISTING ELECTRICAL SYSTEMS WHERE A PREVIOUSLY APPROVED COLOR CODING SYSTEM EXISTS, THE EXISTING COLOR CODING SYSTEM MAY BE CONTINUED.
- 3) INDUSTRIAL OCCUPANCIES WITH AN ANNUAL PERMIT IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, SECTION 105.1.1 AMY USE THEIR OWN COLOR CODING SYSTEM.

At Article 210.11 (C), add new Sub-section (5) as follows:

(5) DISHWASHER AND GARBAGE DISPOSAL BRANCH CIRCUITS IN DWELLING UNITS. IN RESIDENTIAL OCCUPANCIES, A DISHWASHER AND GARBAGE DISPOSAL MAY BE ON THE SAME 20 AMPERE BRANCH CIRCUIT.

Revise Article 225.32 by adding Exception No. 5 as follows:

EXCEPTION NO. 5: FOR FREESTANDING CANOPIES, CARPORTS, TOWERS, AND SIMILAR STRUCTURES, AN INDIVIDUAL OR MULTI-WIRE BRANCH CIRCUIT DISCONNECTING MEANS SHALL BE PERMITTED TO BE LOCATED ELSEWHERE ON THE PREMISES. A BONDING CONDUCTOR SIZED PER SECTION 250.122 SHALL BE RUN WITH THE CIRCUIT CONDUCTORS. THE DISCONNECTING MEANS SHALL BE LOCATED WITHIN SIGHT OF THE STRUCTURE OR SHALL BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION.

Revise Article 230.70(B) by adding the following text at the end of the sentence:

MARKINGS SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT. IDENTIFYING LABELS FOR DISCONNECTING MEANS SHALL HAVE ENGRAVED OR RAISED LETTERS AND BE SECURED BY SCREWS OR RIVETS.

Revise Article 300.4 (D) Exception No. 1: by striking rigid **non-metallic conduit and electrical metal tubing** from the exception.

At Article 312.5 (C) add an exception (8) as follows:

(8) FOR SURFACE-MOUNTED PANELBOARDS, WHERE THE ENTRY OF CONDUCTORS THROUGH THE TOP OR BOTTOM IS IMPRACTICAL, ENTRY THROUGH THE BACK OF THE PANELBOARD SHALL BE ALLOWED WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:

- (1) CONDUCTORS SHALL BE PROTECTED FROM ABRASION WHERE THEY PASS THROUGH THE PANEL ENCLOSURE.**
- (2) CONDUCTORS SHALL REMAIN FULLY SHEATHED AND EXTEND NOT LESS THAN 1/4 INCH (6 MM) INSIDE THE PANEL ENCLOSURE.**
- (3) CONDUCTORS SHALL BE SECURED WITHIN 8 INCHES (200 MM) OF THE OPENING INTO THE PANELBOARD.**
- (4) THE OPENING TO THE PANELBOARD SHALL BE SEALED WITH A FIRE-RATED MATERIAL LISTED FOR NOT LESS THAN ONE HOUR.**

**TOWN OF ORO VALLEY AMENDMENTS TO THE
INTERNATIONAL MECHANICAL CODE, 2018 EDITION**

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

Appendix B shall not be adopted as part of this code

CHAPTER 1

At Section 101.1, insert [THE TOWN OF ORO VALLEY] where it asks for [NAME OF JURISDICTION].

106.3.3 Time limitation of application AND EXTENSIONS. An application for a permit for any proposed work shall be deemed to have been abandoned 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 code official shall have the authority to grant one or more extensions of time for additional periods not exceeding 180 days each. The extension shall be requested in writing **ON A FORM PROVIDED BY THE JURISDICTION** 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.**

Delete Sections 106.4.3 and 106.4.4 in their entirety and substitute Section 105.5 in its entirety of the International Building Code 2018 edition with amendments thereto.

Delete Sections 106.5 in its entirety and substitute Section 109 of the International Building Code, 2018 edition, with Amendments thereto in its entirety.

Revise Section 108.4 as follows:

108.4 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be ~~guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment.~~ **SUBJECT TO PENALTIES AS PRESCRIBED BY LAW.** Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Delete Section 108.5 in its entirety and substitute Section 115 of the International Building Code, 2018 edition, with amendments thereto, in its entirety.

Delete Section 109 in its entirety and substitute Section 113 of the International Building Code, 2018 edition, with amendments thereto, in its entirety.

CHAPTER 3

Revise Section 303.3, item 4. as follows:

4. ~~Storage~~ **CLOTHES** closets.

Add a new Section 303.10 as follows:

303.10 ATTICS. LIQUID PETROLEUM GAS (LPG) GAS-FIRED APPLIANCES SHALL NOT BE LOCATED IN AN ATTIC.

In Section 306.5 add a new item 11. as follows:

11. WHEN ACCESS IS THROUGH A ROOF HATCH OR ACCESS DOOR THE MINIMUM CLEAR ACCESS OPENING DIMENSION SHALL NOT BE LESS THAN 22 INCHES BY 30 INCHES (559 MM BY 762 MM).

At section 307.2.1 add the following text at the end of the paragraph:

APPROVED LOCATIONS FOR TERMINATION AND DISPOSAL OF CONDENSATE SHALL BE AS FOLLOWS:

- 1. INTO AN ACCESSIBLE FIXTURE TAILPIECE THROUGH A DIRECTIONAL FIXTURE FITTING, FUNNEL DRAIN, WASTE AIR GAP FITTING, FLOOR SINK, MOP SINK, OR LAUNDRY TRAY.**
- 2. ABOVE THE FINISHED GRADE OUTSIDE OF THE BUILDING IN AN AREA CAPABLE OF ABSORBING THE CONDENSATE FLOW WITHOUT SURFACE DRAINAGE.**
- 3. OVER ROOF DRAINS THAT CONNECT TO DRAINAGE PIPES PROVIDED THEY TERMINATE AT OR ABOVE GRADE IN AN AREA CAPABLE OF ABSORBING THE CONDENSATE FLOW WITHOUT SURFACE DRAINAGE.**

CHAPTER 5

Add the following Exception to Section 501.3.2:

EXCEPTION: CLOTHES DRYER EXHAUST VENTS SHALL TERMINATE IN ACCORDANCE WITH SECTION 504.4 OF THIS CODE.

Revise Section 504.3 by adding the following at the end of the sentence:

A FLEXIBLE CONNECTION BETWEEN A DRYER EXHAUST VENT AND RISER SHALL BE CONSIDERED AN ACCEPTABLE CLEANOUT.

CHAPTER 8

Add the following text at the end of Section 802.7:

VENTS THAT EXTEND ABOVE ROOFS OR GRADE SHALL BE SECURED WITH GUY WIRES OR BE PROVIDED WITH EQUIVALENT SUPPORT TO EFFECTIVELY MAINTAIN ALIGNMENT.

Add the following text at the end of Section 802.8 as follows:

WHERE INSULATION IS INSTALLED AGAINST ROOF SHEATHING, THE INSULATION SHIELD SHALL EXTEND NOT LESS THAN 2 INCHES (51 MM) BELOW THE BOTTOM OF THE INSULATION.

CHAPTER 10

Revise Section 1001.1 by deleting the text in exception 7. and replacing it with the following:

ANY BOILER OR LINED WATER HEATER IN EXCESS OF 200,000 BTU SHALL BE SUBJECT TO INSPECTION BY THE STATE OF ARIZONA (SEE *ARIZONA BOILER RULES*, TITLE 20, CHAPTER 5, FOR REQUIREMENTS).

At Section 1004.1 add the following text to the end of the section:

BOILERS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE ASME *BOILER AND PRESSURE VESSEL CODE*, AND *ARIZONA BOILER RULES*, TITLE 20, CHAPTER 5.

**TOWN OF ORO VALLEY AMENDMENTS TO THE
INTERNATIONAL PLUMBING, 2018 EDITION**

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

CHAPTER 1

At Section 101.1 where it asks for [NAME OF JURISDICTION] insert [THE TOWN OF ORO VALLEY].

Revise the last sentence of the text in Section 101.2 and add the following text:

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

APPENDIX B- RATES OF RAINFALL FOR VARIOUS CITIES (AS AMENDED)

APPENDIX C- STRUCTURAL SAFETY

APPENDIX D- DEGREE DAY AND DESIGN TEMPERATURES

APPENDIX E- SIZING OF WATER PIPING SYSTEM

(Exception to remain unchanged)

Delete Section 104 in its entirety and substitute Section 104 of the 2018 edition of the International Building Code with amendments thereto, in its entirety.

Delete Section 106.3.3 in its entirety and substitute Section 105.3.2 of the 2018 edition of the International Building Code with Amendments thereto, in its entirety.

Delete Section 106.5.3 in its entirety and replace with the following text:

106.5.3 EXPIRATION. EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. THE CODE OFFICIAL IS AUTHORIZED TO GRANT, IN WRITING, ONE OR MORE EXTENSIONS OF TIME, FOR PERIODS NOT TO EXCEED 180 DAYS. EXTENSIONS SHALL BE REQUESTED IN WRITING PRIOR TO EXPIRATION OF THE PERMIT, AND JUSTIFIABLE CAUSE DEMONSTRATED. BEFORE WORK DEEMED TO HAVE EXPIRED CAN BE RECOMMENCED, THE PERMIT SHALL FIRST BE RENEWED, AND THE FEE THEREFORE SHALL BE ONE HALF THE AMOUNT REQUIRED FOR A NEW PERMIT, PROVIDED NO CHANGES HAVE BEEN MADE OR WILL BE MADE TO THE ORIGINAL PLANS AND SPECIFICATIONS FOR SUCH WORK, AND PROVIDED FURTHER THAT SUCH SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. IN ORDER TO RENEW A PERMIT WHICH HAS BEEN EXPIRED FOR GREATER THAN 1 YEAR, THE PERMITTEE SHALL PAY A FEE EQUIVALENT TO A NEW PERMIT.

Delete Section 106.6 in its entirety and substitute Section 109 of the 2018 edition of the International Building Code with Amendments thereto, in its entirety.

Revise Section 108.4 as follows:

108.4 Violation penalties. Any persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the *approved* construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be ~~guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment~~ **SUBJECT TO PENALTIES AS PRESCRIBED BY LAW.** Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Revise the last sentence of Section 108.5 as follows:

Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be ~~liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.~~ **SUBJECT TO PENALTIES AS PRESCRIBED BY LAW. EACH DAY THAT A VIOLATION OF A STOP WORK ORDER CONTINUES AFTER DUE NOTICE HAS BEEN SERVED SHALL BE DEEMED A SEPARATE OFFENSE.**

Delete Section 109 in its entirety and substitute Section 113 of the 2018 edition of the International Building Code with Amendments thereto, in its entirety.

CHAPTER 3

Insert these numbers into Sub-Section 305.4.1 as follows:

305.4.1 Sewer Depth. *Building sewers* that connect to private sewage disposal systems shall be installed not less than ~~[NUMBER]~~ **12** inches (**304** mm) below finished grade at the point of septic tank connection. *Building sewers* shall be installed not less than ~~[NUMBER]~~ **12** inches (**304** mm) below grade.

Revise Section 312.1 as follows:

312.1 Required tests. The permit holder shall make the applicable tests prescribed in Sections 312.2 through 312.10 to determine compliance with the provisions of this code. The permit holder shall give reasonable advance notice to the code official when the plumbing work is ready for ~~tests~~ **INSPECTION**. The equipment, material, power and labor necessary for the inspection and test shall be furnished by the permit holder and he or she shall be responsible for determining that the work will withstand the test pressure prescribed in the ~~following~~ tests. Plumbing system piping shall be tested with either water or, ~~for piping systems other than plastic,~~ by air. ~~After the plumbing fixtures have been set and their traps filled with water, the entire drainage system shall be submitted to final tests. The code official shall require the removal of any cleanouts if necessary to ascertain whether the pressure has reached all parts of the system.~~

Revise Sub-Section 314.2.1 by adding the following at the end of the paragraph:

APPROVED LOCATIONS FOR TERMINATION OF CONDENSATE DRAINS SHALL BE AS FOLLOWS:

- 1. INTO AN ACCESSIBLE FIXTURE TAILPIECE THROUGH A DIRECTIONAL FIXTURE FITTING.**
- 2. FUNNEL DRAIN, WASTE AIR GAP FITTING, FLOOR SINK, MOP SINK OR LAUNDRY TRAY.**
- 3. AT OR BELOW GRADE OUTSIDE OF THE BUILDING IN AN AREA CAPABLE OF ABSORBING CONDENSATE FLOW WITHOUT SURFACE DRAINAGE.**
- 4. OVER ROOF DRAINS THAT CONNECT TO DRAINAGE PIPES, PROVIDED THEY TERMINATE AT OR ABOVE GRADE IN AN AREA CAPABLE OF ABSORBING CONDENSATE FLOW WITHOUT SURFACE DRAINAGE.**

CHAPTER 4

At Sub-Section 405.3.1 add a second Exception 2. as follows:

2. SIDE CLEARANCES FOR ACCESSIBLE OR AMBULATORY WATER CLOSETS SHALL COMPLY WITH ICC/ANSI A117.1.

Revise Section 410.4 by adding the following text at the end of the section:

BOTTLED WATER MAY BE SUBSTITUTED FOR DRINKING FOUNTAINS IN TYPE-M OCCUPANCIES WHEN THE TOTAL FLOOR AREA DOES NOT EXCEED 1500 SQUARE FEET (140 M²). WHEN THIS SUBSTITUTION IS MADE, AND THERE ARE IMPROVEMENTS DONE THAT INCLUDE THE ADDITION OR RELOCATION OF PLUMBING FIXTURES, A WATER SUPPLY AND RECEPTACLE OUTLET FOR A DRINKING FOUNTAIN SHALL BE PROVIDED FOR FUTURE USE.

Revise Section 410.5 as follows:

410.5 Prohibited locations. Drinking fountains, water coolers and water dispensers shall not be installed in public restrooms, **AND WHEN REQUIRED BY CODE, SHALL BE LOCATED IN AN AREA THAT IS READILY ACCESSIBLE TO THE PUBLIC.**

Add new section 425.5 to read as follows:

425.5 SURROUNDING MATERIAL. WALLS WITHIN 2 FEET (610 MM) OF WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE TO A HEIGHT OF NOT LESS THAN 4 FEET (1219 MM) ABOVE THE FLOOR LEVEL.

CHAPTER 5

Revise Section 504.6 Requirements for discharge piping. by striking item 2. as follows and reserving the numbering:

~~2. Discharge through an *air gap* located in the same room as the water heater.~~

Add new Sub-Section 504.6.1 to read as follows:

504.6.1 REPLACEMENT WATER HEATERS. WHEN WATER HEATERS ARE REPLACED AND IT IS IMPRACTICAL TO RUN THE TEMPERATURE AND PRESSURE RELIEF VALVE LINE TO AN OTHERWISE APPROVED DISCHARGE POINT, INSTALLATION IN ACCORDANCE WITH THE FOLLOWING SHALL BE CONSIDERED COMPLIANT:

- 1. A DRAIN PAN SHALL BE INSTALLED UNDER THE WATER HEATER.**
- 2. THE TEMPERATURE RELIEF VALVE SHALL BE SET TO A MAXIMUM OF 210 DEGREES AND THE PRESSURE RELIEF VALVE TO 150 PSI, AND A RELEIF LINE SHALL DRAIN INTO THE PAN.**

CHAPTER 6

Revise Table 604.4 as follows:

**TABLE 604.4
MAXIMUM FLOW RATES AND CONSUMPTION FOR
PLUMBING FIXTURES AND FIXTURE FITTINGS**

| PLUMBING FIXTURE OR FIXTURE FITTING | MAXIMUM FLOW RATE OR QUANTITY^b |
|------------------------------------------------|-------------------------------------------------------|
| Lavatory, private | 2.2 gpm at 60 psi |
| Lavatory, public (metering) | 0.25 gallon per metering cycle |
| Lavatory, public (other than metering) | 0.5 gpm at 60 psi |
| Shower head ^a | 2.5 gpm at 80 psi |
| Sink faucet | 2.2 gpm at 60 psi |
| Urinal | 1.0 0.125 gallon per flushing cycle |
| Water closet | 1.6 gallons per flushing cycle |

For SI: 1 gallon = 3.785 L, 1 gallon per minute = 3.785 L/m,

1 pound per square inch = 6.895 kPa, **.125 GALLON = .48 L.**

- a. A hand-held shower spray is a shower head.
- b. Consumption tolerances shall be determined from referenced standards.

CHAPTER 7

Revise Section 714.1 as follows:

714.1 Sewage backflow. Where plumbing fixtures are installed on a floor with a finished floor elevation **LESS THAN 12 INCHES (305 MM) ABOVE** ~~below~~ the elevation of the manhole cover of the next upstream manhole in the public *sewer*, such fixtures shall be protected by a backwater valve installed in the *building drain*, or horizontal *branch* serving **THAT FLOOR LEVEL** ~~such fixtures~~. Plumbing fixtures installed on a floor **LEVELS AT ELEVATIONS 12 INCHES (305 MM) OR GREATER THAN** ~~with a finished floor elevation above~~ the elevation of the manhole cover of the next upstream manhole in the public *sewer* shall not discharge through **THE SAME** a backwater valve.

(Exception to remain unchanged)

CHAPTER 9

At section 903.1 where it asks for [NUMBER] insert [6].

Add new Section 903.8 as follows:

903.8 VENT SUPPORT. VENTS THAT EXTEND 36 INCHES (914 MM) OR MORE ABOVE ROOFS OR GRADE SHALL BE SECURED WITH A GUY WIRE OR EQUIVALENT SUPPORT TO EFFECTIVELY MAINTAIN ALIGNMENT.

CHAPTER 13

Delete the text in Section 1302 ON-SITE NONPOTABLE WATER REUSE SYSTEMS in its entirety and replace with the following:

REGULATED UNDER ARIZONA ADMINISTRATIVE CODE (A.A.C.) TITLE 18, CHAPTER 9.

APPENDIX B

Revise APPENDIX B for “Arizona” as follows:

Arizona:

| | |
|--------------------|------------|
| Flagstaff..... | 2.4 |
| Nogales..... | 3.1 |
| Phoenix..... | 2.5 |
| TUCSON..... | 3.0 |
| Yuma..... | 1.6 |

**TOWN OF ORO VALLEY AMENDMENTS TO THE
INTERNATIONAL FIRE CODE, 2018 EDITION**

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

CHAPTER 1

In Section 101.1 where it requests [NAME OF JURISDICTION] insert **THE TOWN OF ORO VALLEY.**

Revise Sub-section 101.2.1 as follows:

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-B FIRE-FLOW REQUIREMENTS FOR BUILDINGS
APPENDIX-C FIRE HYDRANT LOCATIONS AND DISTRIBUTION
APPENDIX-D FIRE APPARATUS ACCESS ROADS
APPENDIX-E HAZARD CATEGORIES (AS REFERENCE INFORMATION)
APPENDIX-F HAZARD RANKING
APPENDIX-G CRYOGENIC FLUIDS – WEIGHT AND VOLUME EQUIVALENTS (AS REFERENCE INFORMATION)**

Revise Section 103 “Title” as follows:

**SECTION 103
DEPARTMENT OF FIRE PREVENTION AND BUILDING SAFETY**

Revise Section 103.1 as follows:

103.1 General. The department of fire prevention **AND BUILDING SAFETY** is established within the jurisdiction under the direction of the *fire code official* **IN CONJUNCTION WITH THE BUILDING OFFICIAL.** The function of the department shall be the implementation, administration and enforcement of the provisions of this code.

Revise Section 103.2 as follows:

103.2 Appointment. The *fire code official* shall be appointed by the chief appointing authority of the jurisdiction; ~~and the *fire code official* shall not be removed from office except for cause and after full opportunity to be heard on specific and relevant charges by and before the appointing authority.~~ **THE BUILDING OFFICIAL SHALL HAVE EQUAL RESPONSIBILITY FOR ENFORCEMENT OF THIS CODE AND MAY SERVE ALTERNATIVELY WHERE REFERENCE IS MADE TO THE FIRE CODE OFFICIAL.**

Revise Section 105.1.1 as follows:

105.1.1 Permits required. Any property owner or owner’s authorized agent who intends to conduct an operation or business, or install or modify systems and equipment that are regulated by this code, or to cause any such work to be performed, shall first make application to the *fire code official* **FOR OPERATIONAL PERMITS, AND TO THE BUILDING OFFICIAL FOR CONSTRUCTION PERMITS,** and obtain the required permits.

Revise Section 105.2 as follows:

105.2 Application. Application for a permit required by this code shall be made to the *fire code official* **OR BUILDING OFFICIAL AS PRESCRIBED BY SECTION 105.1.1,** in such form and detail as prescribed by the ~~*fire code official*~~ **APPLICABLE JURISDICTION.** Applications for permits shall be accompanied by such plans as prescribed by the ~~*fire code official*~~ **APPLICABLE JURISDICTION.**

Revise Section 105.3.2 as follows:

105.3.2 Extensions. A permittee holding an unexpired permit shall have the right to apply for an extension of the time within which the permittee will commence work under that permit when work is unable to be commenced within the time required by this section for good and satisfactory reasons. The **APPLICABLE fire code official** is authorized to grant, in writing, one or more extensions of the time period of a permit for periods of not more than 180 days each. Such extensions shall be requested by the permit holder in writing and justifiable cause demonstrated. **REQUESTS FOR EXTENSION SHALL BE MADE PRIOR TO EXPIRATION AND SHALL NOT BE GRANTED IF THIS CODE OR ANY OTHER PERTINENT LAWS OR ORDINANCES HAVE BEEN AMENDED SUBSEQUENT TO THE DATE OF APPLICATION. TO RENEW A PERMIT AFTER EXPIRATION, A NEW APPLICATION AND PLANS SHALL BE SUBMITTED AND REVIEW FEES SHALL APPLY AS REQUIRED FOR NEW PERMITS.**

Revise Section 105.3.3 as follows:

105.3.3 Occupancy prohibited before approval. The building or structure shall not be occupied prior to the *fire-code official* **BUILDING OFFICIAL** issuing a permit and conducting associated inspections indicating the applicable provisions of this code have been met, **AND UNTIL A CERTIFICATE OF OCCUPANCY HAS BEEN ISSUED.**

Delete all text in Section 105.3.4 “Conditional permits” and replace with the following:

105.3.4 TEMPORARY CERTIFICATE OF OCCUPANCY. THE BUILDING OFFICIAL IS AUTHORIZED TO ISSUE A TEMPORARY CERTIFICATE OF OCCUPANCY FOR LIMITED OR CONDITIONAL USE OF A BUILDING OR STRUCTURE WHEN REQUESTED BY THE PERMIT APPLICANT. ALL LIFE-SAFETY ELEMENTS ASSOCIATED WITH THE PERMIT SHALL BE COMPLETED AND APPROVED BEFORE REQUESTS WILL BE CONSIDERED.

Revise Section 105.3.7 as follows:

105.3.7 Information on the permit APPLICATION. The **BUILDING OR fire code official** shall issue all permits required by this code on an *approved* form furnished for that purpose. The permit **APPLICATION** shall **BE COMPLETED AND SIGNED BY THE APPLICANT AND ALL RELEVANT INFORMATION PROVIDED** contain a general description of the operation or occupancy and its location and any other information required by the *fire code official*. Issued permits shall bear the signature of the *fire code official* or other *approved* legal authorization.

Revise Section 105.4.1 as follows:

105.4.1 Submittals. *Construction documents* and supporting data shall be submitted in two or more sets with each application for a permit and in such form and detail as required by the **BUILDING fire-code official**. The *construction documents* shall be prepared by a registered design professional ~~where required by the statutes of the jurisdiction in which the project is to be constructed.~~ **AND THE DESIGN OF FIRE PROTECTION SYSTEMS SHALL BE INCLUDED IN THE BUILDING CONSTRUCTION DOCUMENT SUBMITTAL.**

(Exception unchanged)

Delete Sub-section 105.4.4.1 “Phased approval” in its entirety.

Delete the entire text of Section 108.1, 108.2 and 108.3 and replace as follows:

Revise Section 105.6.30 as follows:

105.6.30 Mobile food preparation vehicles. AN OPERATIONAL permit AND ASSOCIATED INSPECTIONS is ARE required ~~for~~ **FROM THE REGIONAL FIRE DISTRICT WHEN** mobile food preparation vehicles **ARE** equipped with appliances that produce smoke or grease-laden vapors.

Delete all text in Section 109.1 “Board of appeals established” and replace with the following:

APPEALS OF DECISIONS OF THE FIRE CODE OR BUILDING OFFICIAL SHALL BE MADE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, SECTION 113, AS AMENDED.

Revise Section 106.3 by adding the following text at the end of the section:

THIS FEE SHALL BE EQUAL TO THE AMOUNT OF THE PERMIT FEE REQUIRED BY THE ADOPTED FEE SCHEDULE. THE PAYMENT OF SUCH FEE SHALL NOT EXEMPT AN APPLICANT FROM COMPLIANCE WITH PROVISIONS OF THIS CODE OR OF OTHER ORDINANCES, NOR FROM ANY PENALTIES PRESCRIBED BY LAW.

Delete sub-section "109.3 Qualifications" in its entirety.

Revise Section 109.4 as follows:

110.4 Violation Penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the *approved construction documents* or directive of the *fire code official*, or of a permit or certificate used under provisions of this code, shall be ~~guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment.~~ **SUBJECT TO PENALTIES AS PRESCRIBED BY LAW.** Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Revise Section 112.4 as follows:

112.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be ~~liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars~~ **SUBJECT TO PENALTIES AS PRESCRIBED BY LAW.**

CHAPTER 2

Revise Section 202 by adding the following definitions:

DRIVEWAY. A VEHICULAR INGRESS AND EGRESS ROUTE THAT SERVES NO MORE THAN TWO NON-RESIDENTIAL BUILDINGS OR STRUCTURES, NOT INCLUDING ACCESSORY STRUCTURES, AND NO MORE THAN FIVE DWELLING UNITS.

FIRE RISK ANALYSIS. AN ANALYTICAL REVIEW CONDUCTED BY THE FIRE CODE OFFICIAL IN ACCORDANCE WITH NATIONALLY RECOGNIZED STANDARDS TO DETERMINE LEVELS OF FIRE PROTECTION REQUIREMENTS. THE FIRE CODE OFFICIAL MAY UTILIZE NFPA 1142; THE INTERNATIONAL WILDLAND-URBAN INTERFACE CODE; OR OTHER NATIONALLY RECOGNIZED CODES AND STANDARDS FOR THIS PURPOSE.

RESIDENTIAL CARE/ASSISTED LIVING HOME. A BUILDING OR PART THEREOF HOUSING A MAXIMUM OF 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 SUPERVISORY, PERSONAL, OR DIRECTED SERVICES. THIS CLASSIFICATION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING: RESIDENTIAL BOARD AND CARE FACILITIES, ASSISTED LIVING HOMES, HALFWAY HOUSES, GROUP HOMES, CONGREGATE CARE FACILITIES, SOCIAL REHABILITATION FACILITIES, ALCOHOL AND DRUG ABUSE CENTERS, AND CONVALESCENT FACILITIES.

CHAPTER 5

Revise Section 503.1 as follows:

503.1 Where required. Fire apparatus access roads shall be provided and maintained in accordance with Sections 503.1.1 through 503.1.3, **AND APPENDIX D.**

Revise Section 503.2 as follows:

503.2 Specifications. Fire apparatus access roads shall be installed and arranged in accordance with Sections 503.2.1 through 503.2.8, **AND APPENDIX D.**

Revise Section 503.2.3 as follows:

503.2.3 Surface. Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus, **OF NOT LESS THAN EIGHTY TWO THOUSAND (82,000) POUNDS (37.195 METRIC TONS)**, and shall be surfaced so as to provide all-weather driving capabilities. **SURFACES SHALL BE COMPRISED OF NOT LESS THAN FOUR INCHES (4”) OF ABC COMPACTED TO NINETY-FIVE PERCENT (95%) OR ASPHALT FOR GRADES UP TO SIX PERCENT (6%). FOR GRADES FROM SIX PERCENT TO TWELVE PERCENT (6%-12%) THE SURFACE SHALL BE COMPRISED OF ASPHALT TYPE MATERIALS. FOR GRADES FROM TWELVE PERCENT TO FIFTEEN PERCENT (12%-15-%) SURFACES SHALL BE COMPRISED OF CONCRETE WITH TRACTION SURFACING. GRADES SHALL NOT EXCEED FIFTEEN PERCENT (15%) UNLESS APPROVED BY THE FIRE CODE OFFICIAL.**

Revise Section 503.2.7 as follows:

503.2.7 Grade. The grade of the fire apparatus access road shall be within the limits established by the *fire code official* based on the fire department’s apparatus. **GRADES SHALL NOT EXCEED FIFTEEN PERCENT (15%) UNLESS APPROVED BY THE FIRE CODE OFFICIAL.**

Revise Section 503.3 by adding the following language at the end of the text:

EVERY FIRE APPARATUS ACCESS ROADWAY REGULATED BY THIS SECTION SHALL BE POSTED WITH SIGNS INSTALLED AT POINTS NOT TO EXCEED ONE-HUNDRED (100) FEET ALONG THE REQUIRED FIRE APPARATUS ACCESS ROADWAY. THE BOTTOM OF EACH SIGN SHALL BE A MINIMUM OF SEVEN (7) FEET BUT SHALL NOT EXCEED TEN (10) FEET ABOVE GRADE LEVEL. SIGNS SHALL FACE IN A DIRECTION THAT WILL BE VISIBLE TO VEHICLE TRAFFIC IN THE LANE OF TRAVEL. MATERIALS AND LOCATIONS OF SIGNS SHALL BE INDICATED ON CONSTRUCTION PLANS SUBMITTED FOR PERMITS. FIRE ACCESS SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. REQUIRED SIGNS SHALL BE OF THE INTERNATIONAL NO PARKING SIGN TYPE. SIGN WIDTH SHALL BE TWELVE (12) INCHES AND HEIGHT SHALL BE EIGHTEEN (18) INCHES (300 X 450 MM), AGAINST A CONTRASTING WHITE REFLECTIVE BACKGROUND. SIGN CHARACTERS SHALL BE BLACK AND SIX (6) INCHES IN HEIGHT. UNDERNEATH THE NO PARKING SYMBOL, IN ONE-AND-FIVE-EIGHTHS (1-5/8) INCH HIGH AND ONE-QUARTER (1/4) INCH STROKE, IN RED LETTERING, THE SIGN SHALL READ “FIRE ACCESS TOW-AWAY”.



ONLY FIRE APPARATUS ACCESS ROADWAYS REQUIRED UNDER THE AUTHORITY OF THIS SECTION OR AS APPROVED BY THE FIRE CODE OFFICIAL MAY BE POSTED OR IDENTIFIED WITH THESE SIGNS. ALTERNATIVE SIGNS MAY BE CONSIDERED FOR APPROVAL BY THE FIRE CODE OFFICIAL. UNAUTHORIZED SIGNS SHALL BE REMOVED.

Add new Sub-section to Section 503.6 as follows:

SECTION 503.6.1. ELECTRICALLY POWERED GATES.

GATES THAT ARE ELECTRICALLY POWERED AND DESIGNED TO OPEN AUTOMATICALLY, SHALL BE PROVIDED WITH A MANUAL OVERRIDE SYSTEM, AND CONTROLS SHALL BE LOCATED ON THE ENTRANCE SIDE OF THE GATE. AS AN ALTERNATE, IF GATES ARE DESIGNED TO REMAIN IN THE OPEN POSITION IN CASE OF A POWER FAILURE, MANUAL CONTROLS WILL NOT BE REQUIRED.

Add new Section 503.7 as follows:

503.7 TRAFFIC CONTROL SIGNALING DEVICES.

PREMPTIVE TRAFFIC CONTROL SIGNALING DEVICES SHALL BE INSTALLED ON ALL FIRE APPARATUS ACCESS ROADS WHENEVER NEW ELECTRONIC TRAFFIC CONTROL SIGNALING DEVICES ARE INSTALLED.

Add a new Section: Section 503.8 as follows:

508.7 MAINTENANCE.

THE PERSON(S) IN POSSESSION OF A PREMISIS WHICH IS SERVED BY A FIRE APPARATUS ACCESS ROADWAY, SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF SUCH ROADWAYS, INCLUDING ALL REQUIRED SIGNAGE. NO OWNER, MANAGER, OR OTHER PERSON(S) IN CHARGE OF PREMISES SERVED SHALL ABANDON OR CLOSE A FIRE APPARATUS ROADWAY OR ANY PART THEREOF WITHOUT PERMISSION FROM THE FIRE CODE OFFICIAL. PERSONS IN POSSESSION OF A PREMISES SERVED BY FIRE APPARATUS ACCESS ROADWAYS SHALL MAINTAIN THEM CLEAR OF ANY OBSTRUCTION.

Revise Section 505.1 as follows:

505.1 Premises 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 not less than 4 inches (102 mm) high with a minimum stroke width of 1/2 inch (12.7 mm). **IN ACCORDANCE WITH THE TOWN OF ORO VALLEY ADDRESS DISPLAY REQUIREMENTS.** Where required by the *fire code official*, address identification shall be provided in additional *approved* locations to facilitate emergency response. **ADDRESS NUMBERS SHALL BE VISIBLE FROM ALL DIRECTIONS OF TRAVEL ALONG FIRE APPARATUS ACCESS ROADWAYS.** Where access is by means of a private road and the building **ADDRESS** cannot be viewed from the *public way*, a monument, pole or other sign or means shall be used to identify the structure. Address identification shall be maintained.

Revise Section 507.1 as follows:

507.1 Required water supply. An *approved* water supply capable of supplying the required fire flow for fire protection shall be provided to premises on which facilities, buildings or portions of buildings are hereafter constructed or moved into or within the jurisdiction. **WHERE PROPERTY IS SUBDIVIDED WITH OR WITHOUT THE CREATION OF PUBLIC OR PRIVATE STREETS, FOR THE EXPRESSED PURPOSE OF PROVIDING SUBDIVIDED PARCELS FOR SALE OR OTHERWISE PERMITTING SEPARATE OR INDIVIDUAL DEVELOPMENT TO OCCUR, AN APPROVED WATER SUPPLY CAPABLE OF SUPPLYING THE PROJECTED FIRE FLOW FOR FIRE PROTECTION SHALL BE PROVIDED AND EXTENDED TO SERVE ALL SUBDIVIDED PROPERTIES. THE FIRE FLOW DESIGN SHALL BE BASED UPON THE GREATEST PROJECTED DEMAND FOR ANY OCCUPANCY TYPE PERMITTED BY THE ZONING ALLOWED FOR THE PROPERTY.**

WHERE EXISTING ONE OR TWO-FAMILY HOMES ARE LOCATED IN AREAS HAVING INADEQUATE WATER SUPPLIES OR WHERE THE DEVELOPMENT OF A WATER SUPPLY CAPABLE OF PROVIDING THE REQUIRED FIRE FLOW IS IMPRACTICAL, THE FIRE CODE OFFICIAL SHALL DETERMINE AN

EQUIVALENT MEANS OF FIRE PROTECTION FOR ADDITIONS MADE TO THOSE HOMES. THIS SHALL BE BASED UPON THE PROVISIONS OF APPENDIX B, SECTION 103, AND IN CONJUNCTION WITH A FIRE RISK ANALYSIS.

EXCEPTION: ADDITIONS TO EXISTING AND NEWLY CONSTRUCTED ONE OR TWO-FAMILY DWELLINGS LOCATED IN AREAS WITHOUT ADEQUATE WATER SUPPLIES, WHERE THE DEVELOPMENT OF ADEQUATE FIRE-FLOW IS IMPRACTICAL, MAY COMPLY WITH THE PROVISIONS OF APPENDIX B SECTION B103 WHEN FIRST APPROVED BY THE *FIRE CODE OFFICIAL*.

Revise Section 507.3 as follows:

507.3 Fire flow. Fire flow requirements for buildings or portions of buildings and facilities shall be determined ~~by an approved method~~ **IN ACCORDANCE WITH APPENDIX B OF THIS CODE OR BY A FIRE RISK ANALYSIS.**

Revise Section 507.5 as follows:

507.5 Fire hydrant systems. Fire hydrant systems shall comply with Sections 507.5.1 through 507.5.6 **AND WITH APPENDIX C OF THIS CODE.**

Add new Sub-section 507.5.7 as follows:

507.5.7 FIRE HYDRANT MARKERS. REFLECTIVE RAISED TWO-WAY ROADWAY FIRE HYDRANT MARKERS SHALL BE INSTALLED AT EACH HYDRANT LOCATION. INSTALLATION AND MARKER BRAND SHALL BE APPROVED BY THE FIRE CODE OFFICIAL. MARKERS SHALL BE BLUE IN COLOR AND THE SIZE SHALL BE FOUR (4) INCHES (10.16 CM) BY FOUR (4) INCHES (10.16 CM).

Add new Sub-section 507.5.8 as follows:

507.5.8 FIRE HYDRANTS OUT OF SERVICE. ALL FIRE HYDRANTS THAT ARE PLACED OUT OF SERVICE SHALL BE EFFECTIVELY IDENTIFIED AS “OUT OF SERVICE” WITH APPROVED MARKINGS OR TAGS. MARKINGS AND TAGS SHALL REMAIN ON THE FIRE HYDRANT UNTIL REMOVAL IS AUTHORIZED BY THE WATER PURVEYOR. THE WATER PURVEYOR SHALL NOTIFY THE FIRE CODE OFFICIAL WHEN HYDRANTS ARE PLACED BACK IN SERVICE.

Add new Sub-section 509.1.2 as follows:

509.1.2 ELECTRICAL SERVICE SHUTOFF ACCESS. WHEN ELECTRICAL SHUTOFF CONTROLS ARE LOCATED WITHIN A BUILDING, DIRECT ACCESS SHALL BE PROVIDED BY MEANS OF A DOOR TO THE EXTERIOR OF THE BUILDING, AND SHALL BE PROVIDED WITH SIGNAGE IDENTIFYING THE ACCESS LOCATION.

CHAPTER 6

Revise Section 607.1 as follows:

607.1 General. Commercial kitchen exhaust hoods shall comply with the requirements of the *International Mechanical Code* **AND THE NATIONAL FIRE PROTECTION ASSOCIATION, STANDARD 96-17, STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS.**

Revise Section 607.3.3.1 by adding the following text at the end of the last sentence:

AND SHALL BE CONDUCTED IN ACCORDANCE WITH NFPA 96, CHAPTER 11.

CHAPTER 9

Revise Section 901.2 by adding the following text at the end of the section:

LAYOUT, CALCULATION, AND INSTALLATION OF FIRE PROTECTION SYSTEMS SHALL BE PERFORMED BY PERSONS TRAINED AND QUALIFIED IN SUCH SYSTEMS. A CURRENT ARIZONA LICENSE FROM THE REGISTER OF CONTRACTORS SHALL BE REQUIRED TO INSTALL FIRE PROTECTION SYSTEMS. INSTALLERS SHALL FOLLOW ALL MANUFACTURER GUIDELINES FOR INSTALLATION, INSPECTION, AND TESTING.

Revise Section 901.4.6.1 as follows:

Section 901.4.6.1 Access. Automatic sprinkler system risers, fire pumps and controllers shall be **LOCATED INSIDE BUILDINGS IN ROOMS DEDICATED FOR THAT PURPOSE AND BE** provided with ready access. Where located in a fire pump room or automatic sprinkler system riser room, the door shall **PROVIDE DIRECT ACCESS FROM THE EXTERIOR OF THE BUILDING, AND SHALL** be permitted to be locked, provided that the key is available at all times **LOCATED IN AN AFTER-HOURS FIRE DEPARTMENT KEY BOX.**

Revise Section 903.1 by adding the following text at the end of the section:

WHERE IT'S REQUIRED THAT A BUILDING OR PORTION THEREOF BE EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM, SPRINKLER SYSTEMS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). COMMERCIAL OCCUPANCIES SHALL BE EQUIPPED WITH AUTOMATIC FIRE SPRINKLER SYSTEMS INSTALLED AND DESIGNED IN ACCORDANCE WITH NFPA 13, *STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS*. IN BUILDINGS OF GROUP R-1 AND R-2 OCCUPANCIES UP TO AND INCLUDING FOUR STORIES IN HEIGHT, WHEN FIRST APPROVED BY THE FIRE CODE OFFICIAL, AUTOMATIC SPRINKLER SYSTEMS MAY BE INSTALLED IN ACCORDANCE WITH NFPA 13R, *STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS IN LOW-RISE RESIDENTIAL OCCUPANCIES*. IN BUILDINGS OF GROUP R-3 AND R-4 OCCUPANCIES, AUTOMATIC SPRINKLER SYSTEMS MAY BE INSTALLED IN ACCORDANCE WITH NFPA 13D, *STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS IN ONE AND TWO-FAMILY DWELLINGS AND MANUFACTURED HOMES*.

Revise Section 903.2.1.1 as follows:

903.2.1.1 Group A-1. An *automatic sprinkler system* shall be provided throughout **ALL** stories containing group A-1 occupancies and throughout all stories from the group A-1 occupancy. ~~to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:~~

(Delete remainder of section)

Revise Section 903.2.1.2 as follows:

903.2.1.2 Group A-2. An *automatic fire sprinkler system* shall be provided throughout **ALL** stories **OF A BUILDING** containing Group A-2 occupancies. ~~and throughout all stories from the Group A-2 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:~~

(Delete remainder of section)

Revise Section 903.2.1.3 as follows:

903.2.1.3 Group A-3. An *automatic fire sprinkler system* shall be provided throughout **ALL** stories **OF A BUILDING** containing Group A-3 occupancies. ~~and throughout all stories from the Group A-3 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:~~

(Delete remainder of section)

Revise Section 903.2.1.4 as follows:

903.2.1.4 Group A-4. An *automatic sprinkler system* shall be provided throughout **ALL** stories **OF A BUILDING** containing Group A-4 occupancies. ~~and throughout all stories from the Group A-4 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:~~

(Delete remainder of section)

Revise Section 903.2.1.5 as follows:

903.2.1.5 Group A-5. An *automatic sprinkler system* shall be provided for all enclosed Group A-5 **AMUSEMENT PARK STRUCTURES IN ACCORDANCE WITH SECTION 914.7, STADIUMS** and accessory use areas in excess of 1000 square feet (92 m²).

Revise Section 903.2.2 as follows:

903.2.2 Ambulatory care facilities. An *automatic sprinkler system* shall be installed throughout **ALL floors OF A BUILDING** containing an ambulatory care facility.

(Delete remainder of section, but retain the exception)

Revise Section 903.2.3 as follows:

Section 903.2.3 Group E. An *automatic sprinkler system* shall be provided throughout **ALL FLOORS OF A BUILDING CONTAINING** Group E occupancies. ~~as follows:~~

(Delete remainder of section)

Revise Section 903.2.4 as follows:

Section 903.2.4 Group F-1. An *automatic sprinkler system* shall be provided throughout all **STORIES OF** a buildings containing a Group F-1 occupancy. ~~where one of the following conditions exists:~~

(Delete remainder of section)

Revise Section 903.2.4.1 as follows:

903.2.4.1 Woodworking operations: An *automatic sprinkler system* shall be provided throughout all Group F-1 occupancy fire areas that contain woodworking operations ~~in excess of 2,500 square feet (232 m²) in area~~ that generate finely divided combustible waste or use finely divided combustible materials.

Revise Section 903.2.5.3 as follows:

903.2.5.3 Pyroxylin plastics. An *automatic sprinkler system* shall be provided in buildings, or portion thereof, where cellulose nitrate film or pyroxylin plastics are manufactured, stored or handled ~~in quantities exceeding 100 pounds (45 kg).~~

Revise Section 903.2.6 Exceptions 2. and 3. as follows:

2. An *automatic sprinkler system* is ~~not~~ required where Group I-4 day care facilities are ~~at the level of exit discharge and where every room where care is provided has not fewer than one exterior exit door.~~

3. In buildings where Group I-4 day care is provided ~~on levels other than the level of exit discharge,~~ an *automatic sprinkler system* in accordance with Section 903.3.1.4 3 shall be installed ~~on the entire floor where care is provided,~~ all floors ~~between the level of care and the level of exit discharge and all floors below the level of exit discharge~~ other than areas classified as an open parking garage.

Revise Section 903.2.7 as follows:

903.2.7 Group M. An *automatic sprinkler system* shall be provided throughout buildings containing a Group M occupancy. ~~where one of the following conditions exists:~~

(Delete remainder of section)

Revise Section 903.2.8 Group R. by adding the following exception:

EXCEPTION: AUTOMATIC FIRE SPRINKLER SYSTEMS SHALL NOT BE REQUIRED IN TYPE R-3 OCCUPANCIES, BUT CAN BE USED TO MEET THE FIRE FLOW REQUIREMENTS OF SECTION B105 AND TABLES B105.1 (1) AND B105.1 (2).

Revise Section 903.2.9 as follows:

903.2.9 Group S-1: An *automatic sprinkler system* shall be provided throughout all buildings containing a Group S-1 occupancy. ~~where one of the following conditions exists:~~

(Delete remainder of section)

Revise Section 903.2.9.1 as follows:

903.2.9.1 Repair garages: An *automatic sprinkler system* shall be provided throughout all buildings used as repair garages. ~~in accordance with Section 406.8 of the International Building Code, as shown:~~

(Delete remainder of section)

Revise Section 903.2.9.2 as follows:

903.2.9.2 Bulk storage of tires. Buildings and structures ~~where the area for the storage of tires exceeds 20,000 cubic feet (566m³)~~ shall be equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1.

Revise Section 903.2.10 as follows:

903.2.10 Group S-2 enclosed parking garages. An *automatic sprinkler system* shall be provided throughout buildings classified as enclosed parking garages in accordance with Section 406.6 of the *International Building Code* **OR WHEN THE ENCLOSED PARKING GARAGE IS LOCATED BENEATH OTHER GROUPS.** ~~where either of the following conditions exists:~~

- ~~1. Where the area of the enclosed parking garage exceeds 12,000 square feet (1115m²)~~
- ~~2. Where the enclosed parking garage is located beneath other groups.~~

Exception: Enclosed parking garages located beneath Group R-3 occupancies.

Revise Section 903.2.10.1 as follows:

903.2.10.1 Commercial parking garages: An *automatic sprinkler system* shall be provided throughout buildings used for storage of commercial motor vehicles ~~where the area exceeds 5000 square feet (4.64 m²).~~

Add new sub-section 903.2.10.2 as follows:

903.2.10.2 GROUP S-2 STORAGE FACILITIES. AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903 SHALL BE PROVIDED THROUGHOUT ALL BUILDINGS CLASSIFIED AS GROUP S-2 LOW HAZARD STORAGE FACILITIES WHEN ANY OF THE FOLLOWING CONDITIONS EXIST:

- 1. THE TOTAL FLOOR AREA OF THE BUILDING IS IN EXCESS OF 1500 SQUARE FEET (139.4 M²)**
- 2. THE PRODUCTS BEING STORED ARE NOT ACCESSIBLE FOR FIRE HOSE STREAM APPLICATION FROM THE MAIN ENTRANCE DUE TO RACKS OR OTHER ARRANGEMENTS OF STORAGE.**
- 3. THE BUILDING IS OF COMBUSTIBLE CONSTRUCTION.**

Delete Section 903.2.11 “Specific buildings areas and hazards.” in its entirety.

Delete Section 903.2.11.1 “Stories without openings.” in its entirety.

Delete Section 903.2.11.1.1 “Opening dimensions and access.” in its entirety.

Delete Section 903.2.11.2 “Openings on one side only.” in its entirety.

Delete Section 903.2.11.3 “Buildings 55 feet or more in height.” in its entirety.

Delete the entire text in Section 903.1.1.2 and replace with the following:

SPRINKLERS SHALL BE PROVIDED THROUGHOUT ALL AREAS OF BATHROOMS, INCLUDING ALL ENCLOSED TOILET ROOMS IN GROUP R OCCUPANCIES.

Add new sub-section 903.3.1.1.3 as follows:

903.3.1.1.3 PORCHES AND GARAGES. IN GROUP R OCCUPANCIES, SPRINKLERS SHALL NOT BE REQUIRED FOR PORCHES, PATIOS, AND SIMILAR STRUCTURES WHERE OPEN ON TWO OR MORE SIDES OR WHERE THE COVERED AREA DOES NOT EXCEED FOUR FEET (1219 MM) IN WIDTH. SPRINKLERS ARE REQUIRED IN ALL GARAGES OF GROUP R OCCUPANCIES.

EXCEPTION: GARAGES FOR TYPE R-3 OCCUPANCIES WHERE THE FIRE FLOW REQUIREMENTS OF SECTION B105 AND TABLES B105.1 (1) AND B105.1 (2) ARE OTHERWISE MET.

Add new sub-section 903.3.1.3.1 as follows:

903.3.1.3.1 EXISTING BUILDING FIRE AREA INCREASE. AN APPROVED NFPA 13D *AUTOMATIC SPRINKLER SYSTEM* SHALL BE PROVIDED THROUGHOUT THE ENTIRE FIRE AREA, INCLUDING EXISTING AREAS, WHERE THE FIRE FLOW REQUIREMENTS OF SECTION B105 AND TABLES B105.1 (1) AND B105.1 (2) ARE NOT OTHERWISE MET.

Add new sub-section 903.3.1.3.2 as follows:

PLAN SUBMITTALS FOR NFPA 13D SYSTEMS. NFPA 13D *AUTOMATIC SPRINKLER SYSTEM* PLANS SHALL BE SUBMITTED TO THE FIRE CODE OFFICIAL FOR REVIEW AND APPROVAL AND SHALL BE PREPARED BY PERSONS WHO POSSESS A NATIONAL INSTITUTE FOR THE CERTIFICATION OF ENGINEERING TECHNOLOGIES (NICET) LEVEL III CERTIFICATION. THE WATER METER SIZE SHALL BE INDICATED ON THE PLANS AND BE CAPABLE OF FLOWING NOT LESS THAN 35 GALLONS PER MINUTE (132.5 LPM).

Revise Section 903.3.1.2 by adding the following text at the end of the section:

AN APPROVED *AUTOMATIC SPRINKLER SYSTEM* SHALL BE PROVIDED THROUGHOUT ALL GROUP R1 AND R2 OCCUPANCIES FOR EVERY FACILITY, BUILDING OR PORTION OF A BUILDING WHICH IS CONSTRUCTED OR MOVED INTO THE JURISDICTION. *AUTOMATIC SPRINKLER SYSTEMS* SHALL BE PROVIDED THROUGHOUT THE ENTIRE FIRE AREA, INCLUDING EXISTING AREAS, WHEN THE FIRE-FLOW IS NOT AVAILABLE AT THE RATE PRESCRIBED BY TABLE B105.1 FOR THE TOTAL BUILDING AREA AND CONSTRUCTION TYPE BEING CONSIDERED. APPROVED *AUTOMATIC SPRINKLER SYSTEMS* SHALL BE PROVIDED THROUGHOUT THE ENTIRE FIRE AREA WHEN THERE IS A CHANGE OF USE CREATING A NEW R-1 OR R-2 OCCUPANCY.

Revise Section 903.3.5 by adding the following text at the end of the section:

FIRE RISERS SHALL BE LOCATED WITHIN A BUILDING. THE RISER LOCATION SHALL BE CONSPICUOUSLY IDENTIFIED WITH PERMANENT SIGNAGE, WITH LETTERING HEIGHT OF NOT LESS THAN ONE INCH (25MM) ON A CONTRASTING BACKGROUND. UNDERGROUND RISER SUPPLY LINES SHALL BE VISUALLY INSPECTED, PRESSURE TESTED, AND FLUSHED PRIOR TO CONNECTION TO THE RISER AND OVERHEAD PIPING. INSPECTIONS SHALL BE WITNESSED BY THE FIRE CODE OFFICIAL. ALL RISER ASSEMBLIES SHALL CONTAIN A RUBBER-FACED CHECK VALVE AND A PRESSURE GAUGE.

Revise Section 903.5 by adding the following text at the end of the section:

FIRE PROTECTION SYSTEMS SHALL BE MAINTAINED IN ACCORDANCE WITH THE INSTALLATION STANDARDS IN EFFECT FOR THAT SYSTEM ON THE DATE OF INSTALLATION AND IN ACCORDANCE WITH THE CURRENTLY ADOPTED EDITION OF NFPA 25. FIRE PROTECTION SYSTEMS SHALL BE ALTERED OR IMPROVED IN A MANNER THAT WILL EFFECTIVELY MAINTAIN PROTECTION WHEN A BUILDING IS ALTERED, REMODELED OR ADDED TO. ALTERATIONS TO FIRE PROTECTION SYSTEMS SHALL BE IN ACCORDANCE WITH APPLICABLE STANDARDS AND BE PRE-APPROVED BY THE *FIRE CODE OFFICIAL*.

Revise Section 905.3.4 by replacing Class III with Class I and by deleting the exception.

Delete Sub-Section 905.3.4.1 “Hose and cabinet.” in its entirety.

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) IN 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 21

Revise Section 2108.2 “Automatic sprinkler system” by deleting the exception.

CHAPTER 32

Revise Section 3209.2 as follows:

3209.2 Automatic sprinklers. Where automatic sprinklers are required by Table 3206.2, **OR OTHER SECTIONS OF THIS CODE**, the building shall be equipped throughout with an *approved automatic sprinkler system* in accordance with Section 903.3.1.1.

CHAPTER 38

Revise Section 3803.1.7 as follows:

3803.1.7 Automatic fire-extinguishing systems. New laboratories in new or existing buildings ~~that increase maximum allowable quantities of hazardous materials based on the requirements in this chapter~~ shall be equipped throughout with an *approved automatic sprinkler system* in accordance with Section 903.3.1.1.

Delete Section 3805 “Nonsprinklered Laboratories” in its entirety.

CHAPTER 56

Revise Subsection 5601.2.3 as follows:

5601.2.3 Permit restrictions. THE STORAGE OF EXPLOSIVES, EXPLOSIVE MATERIALS, AND BLASTING AGENTS IS PROHIBITED WITHIN THE BOUNDARIES OF THE TOWN OF ORO VALLEY. The *fire code official* is authorized to limit the quantity of *explosives, explosive materials*, or fireworks permitted **FOR SALE OR FOR USE** at a given location. Persons possessing a permit for storage **OR USE** of *explosives* at any place, shall not keep or store an amount greater than authorized in such permit. Only the kind of *explosive* specified in such a permit shall be kept or stored.

CHAPTER 57

Revise Subsection 5704.2.9.6.1 and add an exception as follows:

5704.2.9.6.1 Locations where above-ground tanks are prohibited. The storage of Class I and II liquids in above-ground tanks outside of buildings, **THAT EXCEED 5,000 GALLONS (18,927 LITERS) IN AGGREGATE VOLUME**, is prohibited within the **BOUNDARIES OF THE TOWN OF ORO VALLEY** ~~limits established by law as the limits of districts in which such storage is prohibited (JURISDICTION TO SPECIFY).~~

EXCEPTION: FUEL STORAGE FOR PRIVATE AIRCRAFT, WHEN LOCATED NOT LESS THAN 500 FEET FROM A SINGLE FAMILY RESIDENCE, MAY HAVE AN AGGREGATE VOLUME NOT TO EXCEED 10,000 GALLONS (37,854 LITERS).

Revise Sub-section 5706.2.4.4 and add an exception as follows:

5706.2.4.4 Locations where above-ground tanks are prohibited. The storage of Class I and II liquids in above-ground tanks **EXCEEDING 5,000 GALLONS (18,927 LITERS) IN AGGREGATE VOLUME** is prohibited within the **BOUNDARIES OF THE TOWN OF ORO VALLEY** ~~limits established by law as the limits of districts in which such storage is prohibited [JURISDICTION TO SPECIFY].~~

EXCEPTION: FUEL STORAGE FOR PRIVATE AIRCRAFT, WHEN LOCATED NOT LESS THAN 500 FEET FROM A SINGLE FAMILY RESIDENCE, MAY HAVE AN AGGREGATE VOLUME NOT TO EXCEED 10,000 GALLONS (37,854 LITERS).

CHAPTER 61

Revise Section 6104.2 as follows:

6104.2 Maximum capacity within established limits. Within the ~~limits established by law restricting~~ **BOUNDARIES OF THE TOWN OF ORO VALLEY**, the storage of liquefied petroleum gas **SHALL BE LIMITED TO AN** ~~for the protection of heavily populated or congested areas, the~~ aggregate capacity of any one installation shall not **TO** exceed a water capacity of 2,000 gallons (7570 L) ~~(JURISDICTION TO SPECIFY).~~

(Exception unchanged)

APPENDIX B

Revise Section B103.1 by adding the following text at the end of the section:

CONSIDERATION FOR FIRE-FLOW REDUCTION FOR NEWLY CONSTRUCTED AND EXISTING ONE- AND TWO-FAMILY RESIDENCES SHALL BE THROUGH A FIRE RISK ANALYSIS. THE MEANS OF DETERMINING MINIMUM LEVELS OF FIRE PROTECTION IN AREAS HAVING INADEQUATE FIRE-FLOW SHALL BE ESTABLISHED BY THE FIRE CODE OFFICIAL.

Revise Section B103.3 as follows:

B103.3 Areas without INADEQUATE water supply systems. For information regarding water supplies for fire-fighting purposes in rural and suburban areas in which adequate and reliable water supply systems do not exist, **AND THE DEVELOPMENT OF FULL *FIRE-FLOW* IS IMPRACTICAL**, the *fire code official* is authorized to utilize NFPA 1142, ~~or~~ the *International Wildland-Urban Interface Code*, **OR OTHER RECOGNIZED STANDARDS TO CONDUCT A FIRE RISK ANALYSIS OF THE AREA. THIS ANALYSIS SHALL ESTABLISH THE MINIMUM LEVEL OF FIRE PROTECTION NECESSARY FOR ALL BUILDINGS PROPOSED TO BE CONSTRUCTED.**

Revise Section B105.1 as follows:

B105.1 One- and two-family dwellings, Group R-3 and R-4 buildings and townhouses. The minimum *fire-flow* and flow duration requirements for one- and two-family *dwellings*, Group R-3 and R-4 buildings, ~~and townhouses~~, **AND DETACHED ACCESSORY STRUCTURES**, shall be as specified in Tables B105.1 (1) and B105.1 (2).

APPENDIX D

Revise Section D102.1 by replacing 75,000 (34,050 kg) with 82,000 (37,195 KG).

Revise Section D103.4 by adding the following exception after Table D103.4:

EXCEPTION: IN RESIDENTIAL SUBDIVISIONS THE CUL-DE-SAC DIAMETER MAY BE REDUCED TO 84 FEET (25.4 M) WHEN PARKING IS PROHIBITED WITHIN THE CUL-DE-SAC.

Add new Section D103.6.3 as follows:

D103.6.3 SIGN SPACING AND VISIBILITY. SIGNS REQUIRED BY SECTIONS D103.6.1 AND D103.6.2 SHALL BE SPACED AT INTERVALS NOT TO EXCEED 150 FEET (45.72 M). SIGNS REQUIRED BY SECTION D103.6.2 SHALL BE MOUNTED IN A MANNER THAT THEY ARE LEGIBLE FROM EITHER TRAFFIC LANE OR DIRECTION OF TRAVEL.

**TOWN OF ORO VALLEY AMENDMENTS TO THE
INTERNATIONAL SWIMMING POOL AND SPA CODE, 2018 EDITION**

The following provisions of the International Swimming Pool and Spa Code, 2018 Edition, as published by the International Code Council, Inc., is hereby amended as follows:

CHAPTER 1

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

Revise Section 101.2 Scope. by adding the following text at the end of the section:

FOR PUBLIC, AND SEMI-PUBLIC POOLS AND SPAS, THE ARIZONA ADMINISTRATIVE CODE, TITLE 18, CHAPTER 5, ARTICLE 2. IS APPLICABLE, AND PERMITS FOR PUBLIC AND SEMI-PUBLIC POOLS AND SPAS SHALL BE OBTAINED FROM THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY.

Revise Section 104.11.4 as follows:

104.11.4 Construction documents. The registered design professional shall submit to the code official ~~two complete sets of~~ signed and sealed construction documents **IN THE NUMBER REQUIRED BY THE JURISDICTION** for the alternative engineered design.

Revise Section 105.1 as follows:

105.1 When required. Any owner, or owner's authorized agent who desires to construct, enlarge, alter, repair, move, or demolish, a pool or spa or to erect, install, enlarge, alter, repair, remove, convert or replace any system, **OR TO REMOVE, ALTER OR REPLACE ANY SWIMMING POOL OR SPA BARRIER, ENCLOSURE, OR PART THEREOF, OR APPURTENANCES THERETO,** the installation of which is regulated by this code, or to cause any such work to be performed, shall first make application to the code official and obtain the required permit for the work.

Add new Sub-Section 105.1.1 as follows:

105.1.1 WORK EXEMPT FROM PERMIT. EXEMPTIONS FROM PERMIT REQUIREMENTS OF THIS CODE DO NOT GRANT AUTHORIZATION FOR ANY WORK TO BE DONE IN VIOLATION OF THE PROVISIONS OF THIS CODE OR OF ANY OTHER LAWS OR ORDINANCES OF THIS JURISDICTION. PERMITS SHALL NOT BE REQUIRED FOR THE FOLLOWING WORK OR INSTALLATION:

- 1. REPAIRS WHICH INVOLVE ONLY THE REPLACEMENT OF EXISTING COMPONENT PARTS WITH SIMILAR MATERIALS THAT DO NOT AFFECT ANY STRUCTURAL, ELECTRICAL, MECHANICAL, OR PLUMBING INSTALLATION.**
- 2. PRE-FABRICATED SWIMMING POOLS LESS THAN 18 INCHES (458 MM) DEEP, ACCESSORY TO A GROUP R-3 OCCUPANCY, WHICH DOES NOT EXCEED 2,500 GALLON (9,463 L) CAPACITY.**

Revise Section 105.2 by adding the following text at the end of the section:

THIS SHALL INCLUDE AN ESTIMATED VALUATION OF THE WORK PROPOSED, THE NAME OF THE CONTRACTOR OR OTHER PERSON WHO WILL PERFORM THE WORK, AND EVIDENCE OF A CURRENT ORO VALLEY BUSINESS LICENSE.

Revise Section 105.3 by adding the following text at the end of the section:

DOCUMENTS SHALL INCLUDE THE FOLLOWING AS A MINIMUM:

SITE PLAN. MINIMUM SCALE SHALL BE 1 INCH EQUALS 20 FEET, AND PLANS SHALL AT MINIMUM REQUIRE THE FOLLOWING INFORMATION:

1. PROPERTY LINES, EASEMENTS, RECORDED RIGHT-OF-WAYS.
2. EXISTING STRUCTURES, WALLS, GRADES, AND SIMILAR CHARACTERISTICS ADJACENT TO THE SPA/POOL AREA.
3. THE PROPOSED SPA/POOL SHAPE, DIMENSIONED AND LOCATED TO SHOW THE DISTANCE TO PROPERTY LINES, AND TO EXISTING STRUCTURES.
4. LOCATION OF PROPOSED MECHANICAL EQUIPMENT, WITH PROXIMITY TO STRUCTURES, AND IDENTIFYING METHOD OF SCREENING EQUIPMENT.
5. DIVING BOARDS, SLIDES AND SIMILAR DECK EQUIPMENT.
6. THE PROPOSED DECK CONFIGURATION AND SITE DRAINAGE AS WELL AS THE OVERALL DRAINAGE OF THE SPA/POOL SITE.
7. THE PROPOSED OR EXISTING SPA/POOL BARRIER.
8. OTHER DATA AS NEEDED TO DETERMINE COMPLIANCE WITH APPLICABLE CODES, SUCH AS GATES AND WINDOWS OR DOORS THAT ARE INTENDED TO BE INCLUDED AS PART OF THE PROPOSED SPA/POOL BARRIER.

STRUCTURAL PLAN. STRUCTURAL PLANS SHALL INCLUDE THE FOLLOWING AS A MINIMUM:

1. SPA/POOL DIMENSIONS, INCLUDING DEPTH, SURFACE AREA, AND CROSS-SECTIONS.
2. CALCULATIONS AND OTHER DATA SUFFICIENT TO SHOW THE CORRECTNESS OF THE PLANS. THIS INCLUDES THE REINFORCING STEEL SCHEDULE AND APPLICABLE DETAILS. THE DESIGN SHALL BE PREPARED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARIZONA.
3. THE INTERIOR FINISH AND SPA/POOL EDGE DETAILS.

MECHANICAL, PLUMBING AND ELECTRICAL PLANS. MECHANICAL PLUMBING AND ELECTRICAL PLANS SHALL INCLUDE THE FOLLOWING AS A MINIMUM:

1. TYPE AND SIZE OF SPA/POOL HEATER, AND THE LOCATION OF OPENINGS INTO ADJACENT BUILDINGS IF IT'S A GAS APPLIANCE.
2. THE PIPE SIZING AND LAYOUT WITH LOCATION OF THE MAIN OUTLET AND SUCTION DRAINS, SURFACE SKIMMERS, AND INLETS.
3. CAPACITY OF THE PUMP IN GALLONS PER MINUTE (GPM), WITH THE SIZE AND TYPE OF MOTOR INDICATED.
4. THE MEANS OF ADDING MAKEUP WATER, INCLUDING THE LOCATION AND TYPE OF BACKFLOW DEVICE.
5. THE GAS LINE SIZE, METER LOCATION, DEVELOPED LENGTH FROM THE GAS METER TO GAS APPLIANCES, AND ROUTING OF THE GAS LINES.
6. THE SIZE, LOCATION, AND DESIGN CAPACITY OF THE ELECTRICAL SERVICE.
7. CIRCUIT AND CONDUCTOR SIZES NEEDED TO POWER THE POOL/SPA, ADDED CIRCUIT(S), AND THE ELECTRICAL PANEL SCHEDULE.

NOTE: ALL PLANS AND DOCUMENTS SUBMITTED SHALL BE ON SUBSTANTIAL PAPER AND SHALL SHOW THE NAME AND ADDRESS OF THE PERSON UNDER WHOSE SUPERVISION THE DOCUMENTS WERE PREPARED.

Revise Section 105.5.3 by adding the following text at the end of the section:

BEFORE WORK DEEMED TO HAVE EXPIRED CAN BE RECOMMENCED, A NEW PERMIT SHALL BE FIRST OBTAINED, AND THE FEE THEREFORE SHALL BE ONE

HALF (1/2) 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 SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. IF THE PERMIT HAS BEEN EXPIRED OR ABANDONED FOR A PERIOD OF ONE YEAR OR MORE, THE COST FOR RENEWAL SHALL BE AS REQUIRED FOR A NEW PERMIT.

Revise Section 105.5.4 as follows:

105.5.4 Extensions. Any permittee holding an unexpired permit shall have the right to apply for an extension of the time within which the permittee will commence work under that permit when work is unable to be commenced within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action by the permittee for a period not exceeding 180 days if there is reasonable cause. **EXTENSION REQUESTS SHALL BE MADE PRIOR TO EXPIRATION OF THE PERMIT, OR SHALL BE SUBJECT TO FEES AS PRESCRIBED IN SECTION 105.5.3 OF THIS CODE.** ~~The fee for an extension shall be one-half the amount required for a new permit for such work.~~

Add new Sub-Section 105.5.1.1 as follows:

105.5.1.1 AMENDED CONSTRUCTION DOCUMENTS. ANY CHANGES MADE TO THE APPROVED PLANS DURING CONSTRUCTION THAT ARE NOT IN COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.

Revise Section 105.6.1 by adding the following text at the end of the section as follows:

THESE FEES SHALL BE EQUIVALENT TO THOSE REQUIRED FOR A NEW PERMIT.

Delete the entire text in Section 105.6.2 and replace with the following:

FEES FOR WORK SHALL BE AS DETERMINED BY THE ORO VALLEY BUILDING VALUATION DATA SCHEDULE AND FEE SCHEDULES AS ESTABLISHED BY THE TOWN OF ORO VALLEY.

Delete Sub-Section 105.6.3 and replace with the following:

105.6.3 FEE REFUNDS. WHEN A FEE FOR A PERMIT OR PLAN REVIEW HAS BEEN PAID OR COLLECTED ERRONEOUSLY, THE *CODE 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 REQUEST SIGNED BY THE PERMIT APPLICANT SHALL BE PROVIDED BEFORE A REFUND WILL BE CONSIDERED.

Revise Section 106.6 by adding the following text to the end of the section:

FINAL APPROVAL OF THE POOL/SPA BARRIER IS REQUIRED PRIOR TO FILLING A SWIMMING POOL OR SPA. IT SHALL BE CONSIDERED A VIOLATION OF THIS CODE

TO FILL A SWIMMING POOL OR SPA PRIOR TO OBTAINING APPROVAL. A FEE OF \$250.00 SHALL BE PAID PRIOR TO COMMENCEMENT, AND DRAINING OF WATER FROM THE SWIMMING POOL OR SPA MAY BE REQUIRED IF IT'S DEEMED A HAZZARD BY THE BUILDING OFFICIAL.

Revise Sub-Section 106.16 by adding the following text at the end of the section:

TO OBTAIN A REINSPECTION WHEN A REINSPECTION FEE HAS BEEN ASSESSED, THE APPLICANT SHALL TAKE THE FAILED INSPECTION NOTICE TO THE ADMINISTRATIVE OFFICE WHERE PERMITS ARE ISSUED AND PAY THE FEES IN ACCORDANCE WITH THE FEE SCHEDULE ADOPTED BY THE TOWN OF ORO VALLEY. THE PAID RECEIPT SHALL BE ON SITE WITH THE INSPECTION PERMIT CARD BEFORE A REINSPECTION WILL OCCUR. NO INSPECTION OF WORK WILL BE PERFORMED UNTIL THE REQUIRED FEES HAVE BEEN PAID.

Delete Section 107.4 in its entirety and replace with the following text:

107.4 VIOLATION PENALTIES. ANY PERSON WHO SHALL VIOLATE A PROVISION OF THIS CODE OR SHALL FAIL TO COMPLY WITH ANY OF THE REQUIREMENTS THEREOF OR WHO SHALL ERECT, INSTALL, ALTER OR REPAIR A POOL OR SPA IN VIOLATION OF THE APPROVED CONSTRUCTION DOCUMENTS OR DIRECTIVE OF THE CODE OFFICIAL, OR OF A PERMIT OR CERTIFICATE ISSUED UNDER THE PROVISIONS OF THIS CODE, SHALL BE SUBJECT TO PENALTIES AS PRESCRIBED BY LAW FOR THE TOWN OF ORO VALLEY. EACH DAY AFTER DUE NOTICE HAS BEEN SERVED SHALL BE DEEMED A SEPARATE OFFENSE.

Revise the last sentence of Section 107.5 as follows:

Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to **PENALTIES AS PRESCRIBED BY LAW FOR THE TOWN OF ORO VALLEY** a fine of not less than ~~[AMOUNT]~~ dollars or more than ~~[AMOUNT]~~ dollars.

Delete Section 108 in its entirety and replace with the following:

SECTION 108 MEANS OF APPEAL

108.1 GENERAL. THE BOARD OF APPEALS IS DEFINED IN ORO VALLEY TOWN CODE, ARTICLE 6-9, AND HAS AUTHORITY TO HEAR AND DECIDE APPEALS OF DECISIONS AND ORDERS, OR DETERMINATIONS MADE BY THE BUILDING OFFICIAL.

108.1.1 LIMITATION ON AUTHORITY. AN APPLICATION FOR APPEAL SHALL BE BASED ON THE CLAIM THAT THE TRUE INTENT OF THIS CODE OR OF THE RULES LEGALLY ADOPTED THEREUNDER HAVE BEEN INCORRECTLY INTERPRETED, THE PROVISIONS OF THIS CODE DO NOT APPLY, OR THAT AN EQUAL OR BETTER ALTERNATE MEANS OF CONSTRUCTION IS PROPOSED. THE BOARD SHALL HAVE NO AUTHORITY TO WAIVE SPECIFIC REQUIREMENTS OF THIS CODE.

108.1.2 APPLICATION FOR APPEAL. REQUESTS SHALL BE MADE AS FOLLOWS:

- 1. APPLICATIONS SHALL BE MADE TO THE CODE OFFICIAL ON A FORM PROVIDED BY THE CODE OFFICIAL.**
- 2. ADEQUATE INFORMATION SHALL BE PROVIDED BY THE APPLICANT TO FULLY DESCRIBE THE CONDITIONS IN QUESTION.**
- 3. THE APPEAL WILL BE CONSIDERED BY THE CODE OFFICIAL WITHIN A REASONABLE TIME PERIOD.**

IF IT IS DETERMINED THAT AN APPLICANT WOULD LIKE TO APPEAL THE FINAL

DECISION OF THE CODE OFFICIAL, APPLICATION SHALL BE MADE IN ACCORDANCE WITH THE ORO VALLEY TOWN CODE, AS PRESCRIBED IN ARTICLE 6-9.

CHAPTER 2

Revise Section 201.4 by adding the following to the end of the section:

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

Revise the definitions as noted in Section 202 and add the following new definitions:

DECK. A ~~AN~~ **HARD SURFACE** area immediately adjacent to or attached to a pool or spa that is specifically constructed or installed for sitting, standing or walking.

CHAPTER 3

Revise Section 301.1 as follows:

301.1 Scope. The provisions of this chapter shall govern the general design and construction of ~~public and~~ residential pools and spas and related piping, equipment, and materials. Provisions that are unique to a specific type of pool or spa are located in Chapters ~~4 5~~ and **Chapters 7** through 10.

Revise Sub-Section 301.1.1 as follows:

301.1.1 Application of Chapters ~~4 5~~ AND CHAPTERS 7 through 10. Where differences occur between the provisions of this chapter and the provisions of Chapters ~~4 5~~ AND CHAPTERS 7 through 10, the provisions OF Chapters ~~4 5~~ AND CHAPTERS 7 through 10 shall apply.

Add new Sub-Section 302.7.1 as follows:

CIRCULATION SYSTEM PIPING, OTHER THAN THAT INTEGRALLY INCLUDED IN THE MANUFACTURE OF A POOL/SPA, SHALL BE SUBJECTED TO A STATIC HYDRAULIC PRESSURE TEST OF NOT LESS THAN TWENTY-FIVE (25) POUND PER SQUARE INCH FOR THIRTY (30) MINUTES. THIS TEST SHALL BE PERFORMED BEFORE GUNITE IS PLACED OR THE DECK IS POURED, AND THE PRESSURE SHALL BE MAINTAINED UNTIL FINAL CONNECTION TO THE CIRCULATION EQUIPMENT.

NOTE: FOR PRE-MOLDED SPAS, A NORMAL OPERATIONAL RUNNING TEST MAY BE PROVIDED IN LIEU OF A PRESSURE TEST.

Add new Sub-Section 303.4 as follows:

303.4 MOTOR ENERGY EFFICIENCY. MOTORS WITH A TOTAL HORSEPOWER OF ONE (1) OR MORE, FOR POOLS AND IN-GROUND SPAS WHICH ARE PERMANENTLY INSTALLED, SHALL HAVE THE CAPABILITY OF OPERATING AT MULTIPLE SPEEDS, WITH A LOW SPEED ROTATION RATING NO GREATER THAN ONE-HALF (1/2) OF THE MOTOR'S MAXIMUM ROTATION RATE, AND WITH A PUMP CONTROL CAPABLE OF OPERATING THE PUMP AT MULTIPLE SPEEDS.

Delete Section 304.2 and replace with the following:

304.2 CONSTRUCTION IN FLOOD HAZARD AREA. POOLS AND SPAS LOCATED IN FLOOD HAZARD AREAS SHALL REQUIRE A FLOODPLAIN USE PERMIT BY THE FLOODPLAIN JURISDICTION.

Revise Section 305.1 by adding the following to the end of the section:

WHEN SAFETY COVERS ARE SECURED IN PLACE, THEY SHALL BE DESIGNED SO THAT A 4 INCH (101 MM) DIAMETER SPHERE IS PREVENTED FROM REACHING THE WATER SURFACE.

Revise the first sentence of Section 305.2.1, number 1 as follows:

1. FOR RESIDENTIAL POOLS AND SPAS, the top of the barrier shall be not less than ~~48~~ 60 inches (~~1219~~ 1524 mm) above grade where measured on the side of the barrier that faces away from the pool or spa.

Revise Section 305.2.3 by adding the following to the end of the section:

FOR THE PURPOSE OF THIS SECTION, INDENTATIONS OR PROTRUSIONS LESS THAN ONE INCH (25 MM) IN DEPTH WILL NOT CONSTITUTE A HANDHOLD OR FOOTHOLD, OR WHERE A PROTRUSIONS OR INDENTATION IS AT A CONTINUOUS ANGLE OR INCLINATION GREATER THAN 45 DEGREES ABOVE HORIZONTAL AND DOES NOT OTHERWISE PROVIDE A HANDHOLD OR FOOTHOLD, IT SHALL BE DEEMED AS NOT PROVIDING AN OPPORTUNITY FOR CLIMBING.

Revise the first sentence of Section 305.2.4, number 4 as follows:

An attachment device shall attach each barrier section at a height not lower than ~~45~~ 54 inches (~~1143~~ 1372 mm) above grade.

Add new Sub-Section 8. To Section 305.2.4 as follows:

8. MESH FENCES SHALL NOT BE DESIGNED TO BE REMOVEABLE AND SUPPORT POSTS SHALL BE SECURED IN PLACE TO PREVENT READY REMOVAL.

Delete Section 305.2.5, "Closely spaced horizontal members" in its entirety.

Delete Section 305.2.6 in its entirety and replace with the following:

WHERE THE BARRIER IS COMPOSED OF HORIZONTAL AND VERTICAL MEMBERS, THE TOPS OF HORIZONTAL MEMBERS SHALL BE NOT LESS THAN 48 INCHES (1220 MM) APART, AND VERTICAL MEMBERS SHALL BE SPACED TO PREVENT PASSAGE OF A 4 INCH (101 MM) DIAMETER SPHERE. DECORATIVE CUTOUTS SHALL NOT BE LOCATED BETWEEN VERTICAL MEMBERS IN AREAS BELOW THE UPPER HORIZONTAL MEMBER.

Delete Section 305.2.7 in its entirety and replace with the following:

305.2.7 CHAIN LINK DIMENSIONS. THE MAXIMUM OPENING FORMED BY A CHAIN LINK FENCE SHALL BE ONE INCH (25 MM) UNLESS THE FENCE IS PROVIDED WITH SLATS THAT ARE FASTEND AT THE TOP AND BOTTOM.

Delete Section 305.2.8 "Diagonal members" in its entirety.

Revise Section 305.2.9 by adding the following text at the end of the section:

OWNERS OF ADJOINING PROPERTIES SHALL NOT HAVE EQUIPMENT INSTALLED, OR PLACE OTHER OBJECTS WITHIN THIS CLEAR SPACE THAT WILL REDUCE THE EFFECTIVENESS OF AN APPROVED POOL BARRIER.

Add an exception to Section 305.2.10 as follows:

EXCEPTION: ROLLED OR NEGATIVE EDGE POOLS LOCATED NOT LESS THAN 60 INCHES ABOVE GRADE THAT ALSO SERVE AS A BARRIER.

Revise Section 305.3 as follows:

305.3 Gates. Access gates shall comply with the requirements of Section 305.3.1 through 305.3.3 and shall be equipped to accommodate a locking device. Pedestrian access gates **AND THE UNSECURED SIDE OF DOUBLE GATES** shall open outward away from the pool or spa, shall be self-closing and shall have a self-latching device.

Revise the second sentence of Section 305.3.2 by replacing 18 inches with **24** inches and 457 mm with **610** mm:

Revise Section 305.3.3 by replacing 18 inches with **24** inches and 457 mm with **610** mm:

Revise Section 305.4 by adding the following text:

305.4 Structure wall as a barrier. Where a wall of a dwelling or **OTHER RESIDENTIAL** structure serves as part of the barrier and where doors or windows provide direct access to the pool or spa through that wall, one of the following shall be required: **(Sub-Sections changed as noted below).**

Revise Section 305.4 by deleting Sub-Section number 1 and number 3 in their entirety and replacing them with the following:

1. OPERABLE WINDOWS SHALL HAVE LATCHES LOCATED NOT LESS THEN 54 INCHES (1372 MM) ABOVE THE ADJACENT WALKING SURFACE. HANDLES FOR DOORS THAT PROVIDE ACCESS TO AREAS WHERE POOLS OR SPAS ARE LOCATED SHALL BE NOT LESS THEN 54 INCHES (1372 MM) ABOVE THE ADJACENT WALKING SURFACE AND SHALL BE EQUIPPED WITH SELF-CLOSING, SELF-LATCHING DEVICES.

3. PET DOORS (DOGGIE DOORS) SHALL NOT BE LOCATED IN A WALL THAT SERVES AS A BARRIER.

Revise Section 305.4 by adding number 4 as follows:

4. ENCLOSURES FOR SEMI-PUBLIC AND PUBLIC POOLS AND SPAS MAY INCLUDE THE POOL'S ANCILLARY FACILITIES AS PART OF THE ENCLOSURE (I.E. -EQUIPMENT ROOM) WHEN THE ONLY ACCESS TO THAT ROOM IS FROM THE ENCLOSED POOL/SPA AREA. GENERAL OFFICES, RECREATION ROOMS, LAUNDRY ROOMS, AND SIMILAR SPACES ARE NOT CONSIDERED TO BE ANCILLARY FACILITIES.

Revise Section 305.5, numbers 1 and 2, by replacing 48 inches with **54** inches and by replacing 1219 mm with **1372** mm:

Add a new Section 305.8 as follows:

305.8 SPINEY VEGETATION. THE CODE OFFICIAL MAY GRANT AN EXCEPTION TO THE BARRIER REQUIREMENTS FOR A RESIDENTIAL POOL OR SPA IF BY EXAMINATION, IT IS DETERMINED THAT THERE IS AN EFFECTIVE BARRIER EXISTING ON THE PREMISES BY REASON OF THORNY/SPINY VEGETATION, SUITABLE TO PREVENT ACCESS TO THE POOL/SPA AREA. VEGETATION SPECIFICALLY PLANTED FOR THIS

PURPOSE WILL NOT BE CONSIDERED AS PROVIDING EQUIVALENT PROTECTION.

Add Section 305.9 as follows:

305.9. ALTERNATIVE FOR RESIDENTIAL ALARMS. WHEN IT IS DETERMINED THAT THE PRESCRIPTIVE REQUIREMENTS FOR BARRIERS CANNOT REASONABLY BE ACHIEVED, AN APPEAL MAY BE MADE TO THE CODE OFFICIAL FOR USE OF AN ALARM SYSTEM BARRIER. IF APPROVAL IS GRANTED, AN ALARM SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

- 1. THE ALARM SHALL RECEIVE ITS POWER FROM THE PRIMARY POWER SOURCE OF THE RESIDENCE (HARDWIRED TO THE ELECTRICAL SERVICE PANEL OR TO A SUB-PANEL).**
- 2. THE ALARM MUST PRODUCE A UNIQUE AUDIBLE WARNING WHEN THE DOOR OR WINDOW IS OPENED WHICH IS NOT SIMILAR TO THE SOUND OF SMOKE DETECTORS OR OTHER ALARMS.**
- 3. ALARMS SHALL SOUND CONTINUOUSLY FOR NOT LESS THAN THIRTY (30) SECONDS, AND SHALL BE CAPABLE OF BEING HEARD FROM ANY LOCATION WITHIN THE HOUSE DURING NORMAL HOUSEHOLD ACTIVITIES (MINIMUM EIGHTY FIVE (85) DECIBELS AT TEN (10) FEET).**
- 4. THE ALARM SYSTEM SHALL BE EQUIPPED WITH A MANUAL MEANS OF DEACTIVATION, SUCH AS A TOUCHPAD, ON THE INTERIOR AND EXTERIOR SIDES OF ALL DOORS PROVIDING DIRECT ACCESS TO THE POOL OR SPA. THIS DEVICE SHALL BE DESIGNED TO TEMPORARILY DEACTIVATE THE ALARM SYSTEM FOR NO LONGER THAN 15 SECONDS. DEACTIVATION DEVICES SHALL BE LOCATED NOT LESS THAN 54 INCHES ABOVE THE THRESHOLD OF THE DOOR IT SERVES AND WITHIN 6 HORIZONTAL FEET OF DOOR THE OPENING.**
- 5. THE ALARM SHALL AUTOMATICALLY RESET UNDER ALL CONDITIONS.**
- 6. IF DESIGNED AS PART OF A HOME SECURITY ALARM SYSTEM, THE DOOR ALARM SHALL NOT BE ABLE TO BE DEACTIVATED WHEN THE SECURITY SYSTEM IS DEACTIVATED.**

NOTE: AT NO TIME WILL AN ALARM SYSTEM BE ALLOWED FOR WINDOW WALL LOCATIONS. A WINDOW WALL IS DEFINED AS A DOOR THAT CONTAINS MORE THAN ONE ACTIVE (OPERABLE) PANEL WITHOUT INTERRUPTION BY A FIXED (INOPERABLE) PANEL IN ANY ONE WALL.

Revise Section 306.3 by deleting the first two sentences in their entirety.

Revise Section 306.4 as follows:

306.4 Deck steps handrail required. ~~Public~~ pool and spa deck steps having three or more risers shall be provided with a handrail.

Revise Section 307.1.2 as follows:

307.1.2 Colors and finishes. ~~For other than residential pools and residential spas, the e~~Colors, patterns, or finishes of the pool and spa interiors shall not obscure objects or surfaces within the pool or spa (**I.E. - BENCHES OR STEPS**).

Delete Sub-Section 307.1.4 **Accessibility**, in its entirety and reserve the numbering.

Add new Sub-Section 307.1.5 as follows:

307.1.5 SITE DRAINAGE. THE SITE SHALL BE DESIGNED IN A MANNER THAT WILL DIRECT PERIMETER DECK RUN-OFF AND GENERAL SITE AND ROOF DRAINAGE AWAY FROM THE POOL.

Delete Sub-Section 307.2.4 **Surface condition**, in its entirety.

Delete Section 309.2 **Treatment and circulation system equipment**, in its entirety.

Revise Section 311.2 by deleting the second sentence and the exception in their entirety.

Delete Section 313.7 **Emergency shutoff switch**, in its entirety.

Revise Section 315.2 by deleting the first sentence and Exception 1, in their entirety and reserving the numbering.

Delete Sub-Section 315.2.1 **Circulation system**, in its entirety.

At Table 315.3 **Skimmer Sizing Table**, delete the first line of the table related to Public pools.

Add new Sub-Section 316.4.3 as follows:

316.4.3 BASE SUPPORT. HEATERS SHALL BE INSTALLED ON A NON-COMBUSTIBLE BASE LOCATED NOT LESS THAN 3 INCHES (76 MM) ABOVE THE ADJACENT FINISH GRADE. INSTALLATION ON A COMBUSTIBLE SURFACES IS ONLY PERMITTED WHEN SPECIFICALLY ALLOWED BY THE MANUFACTURER'S LISTING FOR AN APPLIANCE.

Add new Section 316.7 as follows:

316.7 PROPANE FUELED HEATERS. HEATERS USING LIQUID PETROLEUM (LP) GAS SHALL NOT BE INSTALLED IN A PIT OR BASEMENT. INSTALLATION OF HEATERS WITH USE OF LP GAS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE REQUIREMENTS OF THE INTERNATIONAL FUEL GAS CODE, AS ADOPTED AND AMENDED BY THE TOWN OF ORO VALLEY.

Add new Sub-Section 320.1.1 as follows:

320.1.1 BACKWASH WATER DISPOSAL. BACKWASH WATER SHALL BE DISPOSED OF AND CONTAINED ON SITE. DISCHARGES OF BACKWASH WATER SHALL COMPLY WITH APPLICABLE TOWN ORDINANCES AND THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) ENGINEERING BULLETINS.

Revise Section 321.1 by deleting the first sentence in its entirety.

Delete Section **321.2 Artificial lighting**, in its entirety.

Delete Section **321.3 Emergency illumination**, in its entirety.

Revise Section 322.1 as follows:

322.1 General. Ladders and recessed treads shall comply with the provisions of this section and the applicable provisions of Chapters-4 **5** and **CHAPTERS** 7 through 10 based on the type of pool or spa.

Delete Sub-Section 323.2.1 Height. in its entirety.

Revise Section 323.1.2 by adding the following text at the end of the section:

NOTE:

A) ROLLED BEAMS OR VANISHING EDGE (NEGATIVE EDGE) SURFACES ARE NOT CONSIDERED TO BE AN EFFECTIVE HANDHOLD.

B) LEDGES, ROCKS AND SIMILAR HANDHOLDS SHALL BE NOT LESS THAN 1-1/2 INCHES IN THE LEAST DIMENSION AND 3-1/2 INCHES IN THE GREATER DIMENSION, AND THE SURFACE SHALL BE ABLE TO BE EFFECTIVELY GRIPPED WHEN WET.

CHAPTER 4

Delete chapter 4 in its entirety and reference the **ARIZONA ADMINISTRATIVE CODE, TITLE 18, CHAPTER 5, ARTICLE 2.** as applicable.

CHAPTER 5

Delete chapter 5 in its entirety and reference the **ARIZONA ADMINISTRATIVE CODE, TITLE 18, CHAPTER 5, ARTICLE 2.** as applicable.

CHAPTER 6

Delete chapter 6 in its entirety and reference the **ARIZONA ADMINISTRATIVE CODE, TITLE 18, CHAPTER 5, ARTICLE 2.** as applicable.

CHAPTER 8

Revise Section 801.1 as follows:

801.1 Scope. The provisions of this chapter shall govern permanent inground *residential* swimming pools **OR OTHER CONTAINED BODIES OF WATER WITH A DEPTH OF 18 INCHES (457 MM) OR GREATER, THAT ARE INTENDED FOR SWIMMING.** (remainder of section unchanged)

Revise Section 809.9 by adding the following text at the end of the section:

UNDERWATER SEAT BENCHES SHALL BE VISUALLY SET APART AND SHALL BE PERMITTED IN THE DEEP END OF THE POOL ONLY IF THEY ARE SHAPED TO BE COMPATIBLE WITH THE CONTOUR OF THE POOL WALL, ARE COMPLETELY RECESSED, OR ARE LOCATED IN A CORNER OF THE POOL.