

**THE AVONDALE AMENDMENTS TO
THE 2018 INTERNATIONAL BUILDING CODE,
THE 2018 INTERNATIONAL RESIDENTIAL CODE,
THE 2018 INTERNATIONAL MECHANICAL CODE
THE 2018 INTERNATIONAL PLUMBING CODE
THE 2017 NATIONAL ELECTRICAL CODE
THE 2018 INTERNATIONAL FUEL GAS CODE
THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE
THE 2018 INTERNATIONAL EXISTING BUILDING CODE**

**AVONDALE AMENDMENTS
TO THE 2018 INTERNATIONAL BUILDING CODE**

The International Building Code, 2018 Edition, is amended in the following respects:

Section 101.1 is amended as follows:

[A] Section 101.1 Title. Insert the words “City of Avondale” as the name of jurisdiction.

Section 101.2.1 is deleted in its entirety and replaced with the following:

[A] Section 101.2.1 Appendices. The following appendices are adopted by the City of Avondale: Appendices A, C, and I.

Section 101.4 is deleted in its entirety and replaced with the following:

[A] Section 101.4 Referenced codes. The other codes listed in Sections 101.4.1 through 101.4.6 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each reference. If another code is referenced elsewhere in this code and has not been adopted, then that section shall be considered invalid.

Section 101.4.3 is amended as follows:

[A] Section 101.4.3 Plumbing. Delete the last sentence “The provisions of the International Private Sewage Disposal Code shall apply to private sewage disposal systems”.

Section 101.4.4 is amended as follows:

[A] Section 101.4.4 Property Maintenance. Delete entire section.

Section 104.10.1 Delete “Building Official” and replace with “City of Avondale Flood Plain Manager”

Section 105.2(2) is hereby amended to read as follows:

Fences not over 6 feet high.

Section 105.3.2 is amended as follows:

[A] Section 105.3.2 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 last completed review for correction or approval, 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

180 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Section 109.3 is amended as follows:

[A] Section 109.3 Building Permit Valuation. The following shall be added after the last sentence:

For the purposes of determining valuations, the following chart, titled “Valuation Chart”, shall be used.

VALUATION CHART

Group 2012 International Building Code		Types of Construction, Cost per Square Foot								
		IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB
A-1	Assembly, Theaters, with stage	234	226	220	211	199	193	205	182	175
A-1	Assembly, Theaters, without stage	214	206	201	192	180	173	185	162	156
A-2	Assembly, nightclubs	183	178	173	166	157	152	160	142	137
A-2	Assembly, restaurant, bars, banquet hall	182	177	171	165	155	151	159	140	136
A-3	Assembly, churches	216	208	203	194	182	176	187	165	158
A-3	Assembly, general, community halls, libraries, museums	181	173	166	158	145	140	151	128	122
A-4 / A-5	Assembly, arenas	213	205	199	191	178	173	184	160	155
B	Business	187	180	174	165	151	145	159	132	126
E	Educational	198	191	186	177	165	157	171	144	140
F-1	Factory and industrial, moderate hazard	112	107	101	96	87	83	93	73	68
F-2	Factory and industrial, low hazard	111	106	101	96	87	82	92	73	67
H-1	High hazard, explosive	105	100	94	90	81	76	85	67	N.P.
H-234	High hazard	105	100	94	90	81	76	85	67	61
H-5	HPM	187	180	176	169	155	151	169	139	126
I-1	Institutional, supervised environment	188	181	176	169	155	151	169	139	135
I-2	Institutional, hospitals	314	307	301	293	277	N.P.	286	259	N.P.
I-2	Institutional, nursing homes	217	211	205	196	183	N.P.	190	164	N.P.
I-3	Institutional, restrained	212	206	200	191	178	171	184	160	151
I-4	Institutional, day care facilities	188	181	176	169	155	151	169	139	135
M	Mercantile	136	131	125	119	109	106	114	95	91
R-1	Residential, hotels	189	183	178	170	157	153	170	141	136
R-2	Residential, multiple family	159	152	147	140	127	123	140	111	107
R-3	Residential, one and two family	148	144	140	137	132	128	135	123	116
R-4	Residential, care/assisted living facilities	188	181	176	169	155	151	167	139	135
S-1	Storage, moderate hazard	104	99	92	89	79	75	84	65	60

S-2	Storage, low hazard	103	98	92	88	79	74	83	65	59
U	Utility, miscellaneous	80	76	71	68	61	57	65	48	46

VALUATION CHART FOR OTHER

Other Types of Construction	Cost per Square Foot
Tenant Improvement - Vanilla Shell	\$ 20.00
Tenant Improvement - Office	\$ 20.00
Tenant Improvement - Restaurant	\$ 40.00
Tenant Improvement - Medical	\$ 50.00
Residential Patio addition, etc.	\$ 7.00
Residential Room Addition, Remodel etc	\$ 20.00

Section 109.4 is amended as follows:

[A] Section 109.4 Work Commencing Before Permit Issuance. The following shall be added after the last sentence:

This fee shall be equal to double the amount of the Building, Plan Review, Electric, Plumbing and Mechanical permit fees required by this code. The payment of such fee shall not exempt an applicant from compliance with all other provisions of either this code or other requirements, nor from the penalty prescribed by law.

Section 109.6 is deleted in its entirety and replaced with the following:

[A] Section 109.6 Refunds. The building official shall be permitted to authorize refunding of a fee paid hereunder which was erroneously paid or collected. The building official shall be permitted to authorize refunding of not more than 80 percent of the permit fee paid when no work has been done under a permit issued in accordance with this code. No refund shall be made once an (any) inspection has been conducted under the permit. The building official shall be permitted to authorize refunding of not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any review has taken place. The building official shall not be permitted to authorize refunding of any fee paid except upon written application filed by the original permittee not more than 180 days after the date of permit issuance.

Section 113 is hereby deleted and replaced by the following:

113 APPEALS

113.1 General. Decisions of the Building Official shall be appealed to a hearing officer appointed by the City Manager. An application for an appeal of any order, decision or interpretation made by the Building Official shall be filed in writing and shall be delivered to the Building Official within thirty (30) calendar days of the date of the order, decisions or interpretation. The decision of the Building Official may be reversed or modified by the hearing officer upon his/ her finding that:

- a. The decision of the Building Official is not supported by a reasonable interpretation and application of the city code to the specific facts presented, or the city code does not apply to the facts presented.
- b. The reversal or modification of the Building Official's decision will not create or manifest injustice or affect the intent of the city code.
- c. The reversal of the Building Official's decision will not be detrimental to the public health, safety and welfare.

113.2 Limitations of Authority. The hearing officer shall have no authority relative to interpretation of the administrative provisions of the codes, nor shall the hearing officer be empowered to waive the requirements of the codes.

Section 201.4 is deleted in its entirety and replaced with the following:

Section 201.4 Terms not defined. Where terms are not defined through the methods authorized by this section, such terms shall have ordinarily accepted meanings such as the context implies. Merriam-Webster's Unabridged Dictionary of the English Language, shall be considered as providing ordinarily accepted meanings.

Section 308.2.4 is amended as follows:

308.2.4 Remove the words "or Section P2904 of the International Residential Code."

Section 308.3.2 is amended as follows:

308.3.2 Remove the words "or Section P2904 of the International Residential Code."

Section 310.3 is hereby amended by adding the following item to the list of R-2 residential occupancies:

Residential condominiums

Section 406.3 is hereby amended by adding the following subsection:

406.3.4 Open Carports. Carports for other than single family residential use which are open on all sides and constructed entirely of noncombustible materials, except for an approved fascia, shall not exceed 5,000 square feet and shall be located no closer than 3 feet to an adjacent lot line, nor closer than 6 feet to any projecting element of an adjacent building or structure. The edge of the carport roof shall be used to measure the separation distance to adjacent lot lines, buildings or structures.

Section 707.3.11 Electrical Rooms with Service Entrance Equipment is hereby added and shall read as follows:

Fire-resistance rated walls and/ or horizontal assemblies with a fire-resistance rating of one hour shall be provided to separate an electrical room containing service entrance equipment from adjacent rooms and spaces.

Section 901.1 Scope. Is amended as follows:

Section 901.1 Scope. Add the following paragraph:

Code sections preceded by [F] shall be maintained and administered under the International Fire Code as adopted by the City of Avondale. Where there is a conflict regarding fire suppression system requirements and/or fire alarm system requirements between this code and the Fire Code, the Fire Code shall prevail.

Section 901.5 is amended as follows:

Section 901.5 Acceptance tests. Delete the last sentence and replace with the following:

"It shall be unlawful to use, occupy, or furnish any portion of a structure until the fire protection systems of the structure have been tested and approved."

Section 1010.1.10: The second paragraph is hereby amended deleting the words "and over 6 feet (1,829mm) wide."

Chapter 11 is amended as follows:

Section 1102.1 is deleted in its entirety and replace with the following:

Section 1102.1 Design. Buildings and facilities shall be designed and constructed to be accessible in accordance with this code. ICC A117.1, and the "Arizonans with Disabilities Act" (Arizona Revised Statutes, Title 41, Chapter 9, Article 8), and the "Arizonans with Disabilities Act Implementing Rules" (Arizona Administrative Code, Title 10, Chapter 3, Article 4), which rules incorporate the federal "2010 Americans with Disabilities Act Standards for Accessible Design," and shall apply to new construction.

Revision to Table 1607.1

Revise Table 1607.1 as follows:

OCCUPANCY OR USE	UNIFORM (psf)	CONCENTRATED (lbs.)
25. Residential One-and two-family dwellings Habitable attics and sleeping areas ^k (no other changes in item 25)	30 <u>40</u>	

Section 1609.4.3 Exposure Categories is hereby amended to read as follows:

The City of Avondale is predominantly categorized as exposure category C. Deviating from this shall require additional proof and verification from the registered design professional in responsible charge. The engineer shall provide a surface

roughness analysis, provide aerial photography, etc. proving that the proposed site meets exposure category B as defined in ASCE 7-10, Section 26.7.3.

Exception: Single story one- and two-family dwellings are permitted to use exposure category B for wind design.

Section 1704.3 Statement of Special Inspections is hereby amended by deleting the Exception.

Section 1705.4 is amended as follows.

Section 1705.4 Masonry Construction: The following Exceptions shall be added:

Exception 4: Masonry fences Six(6) feet or less in height above grade.

Table 2902.1 Minimum Number of Required Plumbing Fixtures is hereby amended as follows:

Revise footnote “e” to “25 or fewer.”

Delete footnote “f” as written in the code.

Section 2902.6 is hereby amended by revising “15” to “25.”

Section 3109 is deleted in its entirety and replaced with the following:

Section 3109 Swimming Pool Enclosures and Safety Devices. Swimming pool enclosures and safety devices shall be installed pursuant to Arizona Revised Statutes § 36-1681.

AVONDALE AMENDMENTS TO THE 2018 INTERNATIONAL RESIDENTIAL CODE

The International Residential Code 2018 edition is amended as follows:

Section R101.1 is amended as follows:

Section R101.1 Title. Insert the words “City of Avondale” as the name of jurisdiction.

Section R102.5 is deleted in its entirety and replaced with the following:

102.5 Appendices. Provisions in the appendices shall not apply unless specifically adopted. The following appendices are adopted:

Appendix C	EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS
Appendix H	PATIO COVERS
Appendix Q	TINY HOUSES

Appendix T SOLAR READY PROVISIONS- DETACHED ONE AND TWO-FAMILY DWELLINGS AND TOWNHOUSES

Section R105.3.2 is deleted in its entirety and replaced with the following:

Section R 105.3.2 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 had been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one extension of time for a period not to exceed 180 days. The extension shall be requested in writing and justifiable cause demonstrated. Before such work recommences, the extension will be granted provided no changes have been made or will be made in the original construction documents for such work and provided further that such suspension or abandonment has not exceeded one year.

Section R108.6 Work commencing before permit issuance: The following shall be added after the last sentence:

This fee shall be equal to double the amount of the Building, Plan Review, Electric, Plumbing and Mechanical permit fees required by this code. The payment of such fee shall not exempt an applicant from compliance with all other provisions of either this code or other requirements, nor from the penalty prescribed by law.

Section R201.4 is deleted in its entirety and replaced with the following:

Section R201.4 Terms not defined. Where terms are not defined through the methods authorized by this section, such terms shall have ordinarily accepted meanings such as the context implies. Merriam Webster’s Unabridged Dictionary of the English Language, shall be considered as providing ordinarily accepted meanings.

Table R301.2(1) is amended to read as follows:

GROUND SNOW LOAD	WIND DESIGN		SEISMIC DESIGN CATEGORY ^f	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP ^e	ICE BARRIER UNDERLAYMENT REQUIRED ^h	FLOOD HAZARDS ^g	AIR FREEZING INDEX ⁱ	MEAN ANNUAL TEMP ⁱ
	SPEED ^d (mph)	Topographic effects ^k		Weathering ^a	Frost line depth ^b	Termite ^c					
N/A	115mph (ultimate) 89 mph (ASD)	None	B	Negligible	N/A	Moderate to Heavy	32° F	No	FEMA	N/A	72.6° F

Table R301.5 is amended to modify the following:

USE	LIVE LOAD
Habitable attics and attics served with fixed stairs	30 <u>40</u>

(Remainder of Section to remain unchanged)

Section R302.5.1 is hereby amended by adding the following to the end of this subsection:

Doors providing opening protection shall be maintained self-closing, self-latching and tight-fitting.

Section R312.2 is amended as follows:

Section R312.1.3 Guard opening limitations. The following sentence is added to the end of the first paragraph:

Required guards shall not be constructed with horizontal rails or another ornamental pattern that results in a ladder effect.

Section R313.1 is amended as follows:

R313.1 Townhouse automatic fire sprinkler systems. An automatic residential fire sprinkler system may be installed in townhouses.

Delete the exception in its entirety.

Section R313.2 is amended as follows:

R313.2 One- and two-family dwellings automatic fire systems. An automatic residential fire sprinkler system may be installed in one- and two-family *dwellings*.

Delete the exception in its entirety.

Section R326 is deleted in its entirety.

Section R505.1 is hereby amended by replacing it in its entirety as follows:

Section R505.1 Engineered design required. The project drawings, details, calculations and specifications are required to bear the seal of a registered design professional.

Section R804.1.1 shall be amended by replacing it in its entirety as follows:

R804.1.1 Engineered design required. For steel roof framing, the project drawings, details, calculations and specifications are required to bear the seal of an Arizona registered design professional.

Section G2415.12 is amended as follows:

Section G2415.12 (IFGC404.12) Minimum burial depth. Underground piping systems shall be installed a minimum depth of 12 inches (305 mm) below grade for metal piping and 18 inches (457mm) for plastic piping.

Delete Section G2415.12.1 Individual outside appliances is deleted in its entirety:

Revision to Section P2803.6.1

Revise number 2 of Section P2804.6.1 to read as follows:

2. Discharge through an air gap located in the same room as the water heater except where the discharge is to the outdoors, not subject to freezing and the piping terminates not less than 6 inches (152 mm) and not more than 12 inches (305mm) above grade.

Section 3401.2 Scope is amended as follows: Add follow sentence to end of section: "where provisions of this code differ from the 2017 National Electrical Code the provisions of the 2017 National Electrical Code shall prevail.

Section 3706.5 Back-fed devices is deleted in its entirety.

Section T103.6 Capped Roof Penetration Sleeve is deleted in its entirety.

Section T103.8 Interconnection Pathway is deleted in its entirety.

AVONDALE AMENDMENTS

TO THE 2018 EXISTING BUILDING CODE

Section 101.1 is amended to read as follows:

Section 101.1 Title. These regulations shall be known as the Existing Building Code of the City of Avondale, hereinafter referred to as "this code."

Section 305.4.2 is amended by adding item 7 as follows:

7. A minimum of one accessible toilet room.

Section 305.8.10 is amended by adding the following:

As an alternative, in existing toilet rooms and bathing rooms, one fixture (water closet or urinal) may be removed (where two or more fixtures exist) to create the required space for an accessible water closet.

Section 1203.3 is hereby amended by revising the title and the first sentence to read as follows:

1203.3 Means of Egress and Emergency Escape and Rescue. Existing window openings, door openings and corridor and stairway widths less than ...(remaining text unchanged).

Section 1204.6 is hereby amended by revising the title and the first sentence to read as follows:

1204.6 Means of Egress and Emergency Escape and Rescue. Existing window openings, door openings and corridor and stairway widths less than ...(remaining text unchanged).

AVONDALE/MAG AMENDMENTS TO THE 2017 NATIONAL ELECTRICAL CODE

The National Code, 2017 Edition, is amended in the following respects:

Section 90.1 (A) is hereby amended to read as follows:

90.1 (a) Practical safeguarding. The purpose of this code is the practical safeguarding of persons and property from hazards arising from the use of electricity. Any and all electrical work for light, heat, power, or any other purposes shall be installed in conformity with the rules and regulations as set forth in this code and that document titled, *National Electrical Code, 2017 edition*, also known as *NFPA 70*, and in conformity with the rules, policies, regulations and amendments as set forth by the building official. This Code is not intended as a design specification or an instruction manual for untrained persons.

Section 90.2(A)(5) is added to read as follows:

Special Inspection. The City of Glendale requires Special Electrical Inspections for the types of work specified below as amended by adding sections [90.2(a)(5)] and 90.2(a)(6). Special Electrical Inspections include, but are not limited to, testing or observation of the work assigned for conformance with the approved design drawings and specifications, and submission of appropriate inspection reports or certificates to the City of Glendale Electrical Inspector. The Special Electrical Inspector shall be a qualified person who demonstrates competence to the satisfaction of the Building Official for the type of work requiring Special Inspection. These individual(s) or firm(s) shall be responsible for performing the Special Inspection tasks and reports required by the City of Glendale. The Special Electrical Inspector(s) shall be an independent, third-party individual, firm or testing agency and shall not be the installing contractor or any other person responsible for the work.

Electrical Special Inspection:

1. Ground-fault protection performance tests for equipment provided or required to have ground-fault protection.
2. Switchboard, panelboards, motor control center, and all other equipment rated 1,000 amps or more; or over 600 volts. (over-potential test, also known as a dielectric withstand test, and commonly referred to as a hi-pot test.)
3. Emergency and standby power systems including: switchboards, panelboards, distribution boards, transfer equipment, power source, conductors, fire pumps, exhaust and ventilation fans.
4. Other special inspections as required by the building official.

Section 90.2A(6) is added to read as follows:

Electrical observation. Electrical observation by the ‘Registrant of Record’ shall be provided for the following installations:

1. Installation or alteration of that portion of a health care facility electrical system which fall within the scope of article 517, Part 3- “Essential Electrical System” of the *2017 National Electrical Code*.
2. Installations or alterations of high voltage electrical systems, which exceed 600 volts.
3. Installations or alterations of electrical systems within locations classified as hazardous by the provisions of the *2017 National Electrical Code*, or the currently adopted International Fire Code, except for gasoline dispensing installations and systems located within storage garages, repair garages or lubritorium.
4. When electrical observation is specifically required by the building official.

The owner shall employ the Engineer responsible for the electrical design, or another Engineer designated by the Engineer responsible for the electrical design to perform visual observation of complex electrical equipment and systems for general conformance to the approved plans and specifications, including but not limited to, placement and interconnection of equipment. Electrical observation shall be performed at intermediate significant stages of the construction progression and when installation is complete and ready to be inspected by the Building Official. Certificates of Electrical Observation shall be completed and sealed by the Engineer of Record for all life safety items as one of the requirements prior to release of a temporary certificate of occupancy. All certificates of Electrical Observation shall be completed and sealed prior to the project’s final approval and the electrical portion of the certificate of occupancy is completed.

ARTICLE 230 is amended by adding the following section:

Section 230.70(A)(1) is hereby amended to read as follows:

(A) **Location.** The service disconnecting means shall be installed in accordance with 230.70(a)(1), (a)(2) and (a)(3).

- (1) The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure, or inside nearest the point of entrance of the service-entrance conductors. The service disconnecting means shall be installed adjacent to, and accessible from, the same working area as the utility meter. All service disconnecting means located inside a building shall be enclosed within a room or space separated from the rest of the building by not less than a one-hour fire-resistive occupancy separation.

Exception: the ceiling of this service entrance room may be constructed as required for a one-hour wall assembly with protected opening.

ARTICLE 240 is amended by adding the following section:

Section 240.86(A) and all sections in this code referring to this section are deleted in their entirety.

Section 334.10 is amended as follows:

Section 334.10 Uses Permitted. Subsection 1 is deleted in its entirety and replaced with the following:

(1) One- and two-family dwellings, multi-family dwellings and other residential accessory structures.

Section 334.12 is amended as follows:

Section 334.12(A) Types NM, NMC and NMS. Subsections (2), (3), (4), (5), (6), (7), (8) and (9) are deleted in their entirety.

Article 358 Electrical Metallic Tubing: Type EMT

Section 358.10(B)1 & 2 is deleted and replaced with the following:

358.10(B) Corrosive Environments. Ferrous or nonferrous EMT, elbows, coupling, and fittings shall not be in concrete that is in direct contact with the earth, or in areas subject to severe corrosive influences and judged unsuitable for the condition by the Authority having Jurisdiction.

Section 358.12 is hereby amended by adding a new item number (3).

(3). Where in direct contact with the soil.

**AVONDALE AMENDMENTS
TO THE 2018 INTERNATIONAL MECHANICAL CODE**

The International Mechanical Code, 2018 Edition, is amended in the following respects:

[A] Section 101.1 is amended as follows:

Section 101.1 Title. Insert the words “City of Avondale” as the name of jurisdiction.

[A] Section 106.4.4 is deleted in its entirety and replaced with the following:

Section 106.4.4 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 had been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one extension of time for a period not to exceed 180 days. The extension shall be requested in writing and justifiable cause demonstrated.

[A] **Section 106.5.2** is deleted in its entirety and replaced with the following:

[A] **Section 106.5.2 Fee schedule.** All fees shall be in accordance with Chapter One of the International Building Code as adopted by the City of Avondale and amended from time to time.

[A] **Section 106.5.3** is deleted in its entirety and replaced with the following:

[A] **Section 106.5.3 Fee refunds.** The code official shall be permitted to authorize refunding of a fee paid hereunder which was erroneously paid or collected. The code official shall be permitted to authorize refunding of not more than 80 percent of the permit fee paid when no work has been done under a permit issued in accordance with this code. The code official shall be permitted to authorize refunding of not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any examination time has been expended. The code official shall not be permitted to authorize refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.

[A] **Section 108.4** is deleted in its entirety.

[A] **Section 108.5** is amended as follows:

[A] **Section 108.5 Stop work order.** The last sentence is amended to read as follows:

Any person who shall continue any work on the system after having been served by a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine as established by the City of Avondale.

Section 201.4 is deleted in its entirety and replaced with the following:

Section 201.4 Terms not defined. Where terms are not defined through the methods authorized by this chapter, such terms shall have ordinarily accepted meanings such as the context implies. Merriam Webster's Unabridged Dictionary of the English Language, shall be considered as providing ordinarily accepted meanings.

**AVONDALE AMENDMENTS
TO THE 2018 INTERNATIONAL PLUMBING CODE**

The International Plumbing Code, 2018 Edition, is amended in the following respects:

[A] Section 101.1 is amended as follows:

[A] Section 101.1 Title. Insert the words “City of Avondale” as the name of jurisdiction.

Add a new Section 101.5 to read as follows:

[A] Section 101.5 Appendices. Provisions in the appendices shall not apply unless specifically adopted.

The following appendices of the 2018 International Plumbing Code are included in the adoption of this code:

Appendix B – Rainfall Rates

Appendix E – Water Sizing Systems

[A] Section 106.5.4 is deleted in its entirety and replaced with the following:

[A] Section 106.5.4 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 had been pursued in good faith or a permit has been issued; except that the Building Official is authorized to grant one extension of time for a period not to exceed 180 days. The extension shall be requested in writing and justifiable cause demonstrated.

[A] Section 106.6.3 is deleted in its entirety and replaced with the following:

[A] 106.6.3 Fee refunds. The code official shall be permitted to authorize refunding of a fee paid hereunder which was erroneously paid or collected. The code official shall be permitted to authorize refunding of not more than 80 percent of the permit fee paid when no work has been done under a permit issued in accordance with this code. The code official shall be permitted to authorize refunding of not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any examination time has been expended. The code official shall not be permitted to authorize refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.

[A] Section 108.4 is deleted in its entirety,

[A] Section 108.5 is amended as follows:

[A] Section 108.5 Stop work orders. The last sentence is amended to read as follows:

Any person who shall continue any work on the system after having been served by a stop work order except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine as established by the City of Avondale.

Section 201.4 is deleted in its entirety and replaced with the following:

Section 201.4 Terms not defined. Where terms are not defined through the methods authorized by this chapter, such terms shall have ordinarily accepted meanings such as the context implies. Merriam Webster's Unabridged dictionary of the English Language, shall be considered as providing ordinarily accepted meanings.

Section 305.4.1 is amended as follows:

Section 305.4.1 Sewer Depth insert 12in (305mm) where applicable

Section 410.4 is amended as follows:

Section 410. Substitution. Delete the last sentence and replace with the following:

"In other occupancies, where drinking fountains are required, bottle water dispensers or water coolers shall be permitted to be substituted."

Section 504.6 Requirements for discharge piping is amended as follows:

Revise #2 to read as follows:

2. Discharge through an air gap located in the same room as the water heater except where the discharge is to the outdoors, not subject to freezing and the piping terminates not less than 6 inches (152mm) and not more than 12 inches (305mm) above grade.

Section 608.17.1.1 Carbonated beverage dispensers is hereby amended as follows:

This section is amended to require a Reduced Pressure Principle Backflow Assembly to be installed at each water supply to Carbonated Beverage dispensers.

Section 803 Special Wastes is deleted in its entirety and replaced with the following:

Section 803 Special Wastes. Special wastes discharge shall be in conformance with Avondale Water Resources Department Pretreatment Program.

Section 903.1 Roof Extension is hereby amended to add the following to the end of the section:

Vents shall terminate a minimum of 6 inches above the roof and not less than 12 inches from any vertical surface.

Chapter 13 Non-potable Water Systems is hereby amended by deleting this chapter in its entirety and authority is deferred to the Maricopa County Health Department.

Chapter 14 Subsurface Irrigation Systems is hereby deleted in its entirety.

**AVONDALE AMENDMENTS
TO THE 2018 INTERNATIONAL FUEL GAS CODE**

The International Fuel Gas Code, 2018 Edition, is amended in the following respects:

[A] Section 101.1 is amended as follows:

[A] Section 101.1 Title. Insert the words “City of Avondale” as the name of jurisdiction.

[A] Section 106.5.4 is deleted in its entirety and replaced with the following:

[A] Section 106.5.4 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 had been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one extension of time for a period not to exceed 180 days. The extension shall be requested in writing and justifiable cause demonstrated.

[A] Section 106.6.2 is deleted in its entirety and replaced with the following:

[A] Section 106.6.2 Fee schedule. All fees shall be in accordance with Chapter One of the International Building Code as adopted by the City of Avondale and amended from time to time.

[A] Section 106.6.3 is deleted in its entirety and replaced with the following:

[A] Section 106.6.3 Fee refunds. The code official shall be permitted to authorize refunding of a fee paid hereunder which was erroneously paid or collected. The code official shall be permitted to authorize refunding of not more than 80 percent of the permit fee paid when no work has been done under a permit issued in accordance with this code. The code official shall be permitted to authorize refunding of not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any examination time has been expended. The code official shall not be permitted to authorize refunding of any fee paid except upon written application filed by the original applicant not later than 180 days after the date of fee payment.

[A] Section 108.4 is deleted in its entirety.

[A] Section 108.5 is amended as follows:

[A] Section 108.5 Stop work order. The last sentence is amended to read as follows:

Any person who shall continue any work on the system after having been served by a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine as established by the City of Avondale.

Section 201.4 is deleted in its entirety and replaced with the following:

Section 201.4 Terms not defined. Where terms are not defined through the methods authorized by this chapter, such terms shall have ordinarily accepted meanings such as the context implies. Merriam Webster's Unabridged Dictionary of the English Language, shall be considered as providing ordinarily accepted meanings.

Section 404.12 Minimum burial depth. Is revised to read as follows:

Section 404.12 Minimum burial depth. Underground piping systems shall be installed a minimum depth of 12 inches (305mm) below grade for metal piping and 18 inches (457mm) for plastic piping.

Section 404.12.1 Is deleted in its entirety.

AVONDALE AMENDMENTS TO THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE

The International Energy Conservation Code, 2018 Edition, is amended in the following respects:

Section C101.1 is amended as follows:

Section C101.1 Title. Insert the words "City of Avondale" as the name of jurisdiction.

Section R101.1 is amended as follows:

Section R101.1 Title. Insert the words "City of Avondale" as the name of jurisdiction.

Section C 201.4 is amended as follows:

Section C201.4 Terms not defined. Where terms are not defined through the methods authorized by this chapter, such terms shall have ordinarily accepted meanings such as the context implies. Merriam Webster's Unabridged Dictionary of the English Language, shall be considered as providing ordinarily accepted meanings.

Section R201.4 is amended as follows:

Section R201.4 Terms not defined. Where terms are not defined through the methods authorized by this chapter, such terms shall have ordinarily accepted meanings such as the context implies. Merriam Webster's Unabridged Dictionary of the English Language, shall be considered as providing ordinarily accepted meanings.