



## BOARD OF SUPERVISORS AGENDA ITEM REPORT

Requested Board Meeting Date: 7/1/2025

*\*= Mandatory, information must be provided*

Click or tap the boxes to enter text. If not applicable, indicate "N/A".

**\*Title:**

P25TA00001 BUILDING AND CONSTRUCTION UPDATE

**\*Introduction/Background:**

Proposal to amend by Ordinance, the Pima County Building Code Title 15 (Building and Construction) to update the 2024 International Building Codes and the 2023 National Electrical Code.

**\*Discussion:**

A decision to adopt new codes is generally considered by a regional code committee comprised of Cities, Towns, and County building officials and representatives from private industry. The County/City Building Code Committee held 16 public meetings, and have recommended the vetted proposed package for adoption. The effective date for the codes will be January 1, 2026. Staff training and industry briefings are planned prior to the effective date.

**\*Conclusion:**

Adoption of the updated codes reflect current building safety and efficiency standards creating greater uniformity with other nationally leading counties/municipalities, and will maintain lower property insurance rates which are based in part on the currency of locally adopted building codes.

**\*Recommendation:**

Staff and the Planning and Zoning Commission recommend APPROVAL of the proposed amendments to the Pima County Building Code Title 15 by adopting by reference, the 2024 International Building Code and 2023 National Electrical Code and building related technical codes with local amendments.

**\*Fiscal Impact:**

0

**\*Board of Supervisor District:**

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☒ All

Department: Development Services

Telephone: 520-724-9000

Contact: Daniel E. Ice, Chief Building Official

Telephone: 520-724-6493

Department Director Signature: \_\_\_\_\_

*[Signature]* For

Date: \_\_\_\_\_

*6/12/25*

Deputy County Administrator Signature: \_\_\_\_\_

*[Signature]*

Date: \_\_\_\_\_

*6/13/2025*

County Administrator Signature: \_\_\_\_\_

*[Signature]*

Date: \_\_\_\_\_

*6/14/2025*



**TO:** Honorable Board of Supervisors

**FROM:** Daniel Ice, Chief Building Official  
Public Works-Development Services Department-Building and Site Development Division

*Tom Drzewski*

**DATE:** June 17, 2025

**SUBJECT:** P25TA00001 BUILDING AND CONSTRUCTION UPDATE  
(Building Code Text Amendment)

The above referenced Building Code Text Amendment is scheduled for the Board of Supervisors **TUESDAY, July 1, 2025** hearing.

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**REQUEST:** Proposal to amend by ordinance, the Pima County Building Code Title 15 (Building and Construction) to update the 2024 International Codes and the 2023 National Electrical Code

**OWNER:** N/A

**APPLICANT:** Pima County Development Services Department

**DISTRICT:** ALL

**STAFF CONTACT:** Daniel Ice, Chief Building Official

**PUBLIC COMMENT TO DATE:** As of June 17, 2024, staff has not received any public comment.

**PLANNING AND ZONING RECOMMENDATION:** **APPROVAL** 9-0 (Commissioner Lane was absent)

**STAFF RECOMMENDATION:** **APPROVAL**

DI/TD/ds  
Attachments



## BOARD OF SUPERVISORS MEMORANDUM

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### FOR JULY 1, 2025 MEETING OF THE BOARD OF SUPERVISORS

TO: HONORABLE BOARD OF SUPERVISORS

FROM: Daniel Ice, Chief Building Official  
Public Works-Development Services Building and Site Development Division

DATE: June 17, 2025

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### ADVERTISED ITEM FOR PUBLIC HEARING

#### BUILDING CODE TEXT AMENDMENT

#### P25TA00001 BUILDING AND CONSTRUCTION UPDATE

An ordinance of Pima County, Arizona; relating to building and construction; adopting by reference the 2024 International Building Code with local amendments; adopting by reference the 2024 International Residential Code with local amendments; adopting by reference the 2023 National Electrical Code with local amendments; adopting by reference the 2024 International Mechanical Code with local amendments; adopting by reference the 2024 International Plumbing Code with local amendments; adopting by reference the 2024 International Fuel Gas Code with local amendments; adopting by reference the 2024 International Property Maintenance Code with local amendments; adopting by reference the 2024 International Wildland-Urban Interface Code with local amendments (applicable only to areas designated Rural Forest Village under the Pima County Comprehensive Plan and areas encircled thereby); adopting by reference the 2024 International Existing Building Code with local amendments; adopting by reference the 2024 International Swimming Pool and Spa Code with local amendments amending Chapters 15.04, 15.08, 15.12, 15.14, 15.16, 15.18 and 15.20 of the Pima County Code to reflect the amendments adopted by this ordinance along with previously adopted Board of Supervisors Resolutions. On motion, the Planning and Zoning Commission voted to recommend **APPROVAL** 9-0 (Commissioner Lane was absent). Staff recommends **APPROVAL**.  
(ALL DISTRICTS)

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#### Summary of the Planning and Zoning Commission Hearing (May 28, 2025)

The public hearing was held in person and virtually. Some commissioners were present while others attended virtually and through the telephonic option. Staff attended and presented in person.

Staff presented information about the building code text amendment to the commission and highlighted the goals and purpose of the text amendment:

1. To adopt the latest version of the International Codes and the 2023 National Electrical

## Code:

- 2024 International Building Code
- 2024 International Residential Code
- 2023 National Electrical Code
- 2024 International Mechanical Code
- 2024 International Plumbing Code
- 2024 International Fuel Gas Code
- 2024 International Wildland-Urban Interface Code (applicable only to areas designated rural forest village under the Pima County Comprehensive Plan and areas encircled thereby)
- 2024 International Property Maintenance Code (for abandoned/unsecured buildings)
- 2024 International Existing Building Code
- 2024 International Swimming Pool and Spa Code

Staff discussed the history of building codes and that the first modern codes were developed in 1666 after the great London Fire which addressed fire resistance construction. Over the years the building codes have mostly dealt with life safety issues, strength of buildings, fire resistance, exiting, and the health of occupants. In the 20<sup>th</sup> century the codes really started becoming codified in the United States.

Pima County adopted their first building codes in 1974, the 1973 Uniform Building Code. It was published by the International Conference of Building Officials (ICBO). Then in 2000, the first International Codes were published by the International Code Council (ICC), and Pima County adopted them around 2001.

The ICC Codes and the National Electrical Codes are produced every three years. After Pima County Adopted the 2006 ICC codes, Pima County, the City of Tucson, and the surrounding jurisdictions made a concerted effort to skip every other code cycle to minimize the cost implications to the jurisdictions and builders.

The 2024 International Energy Code is not included in this adoption and will be included sometime in the future when the Building Code Committee finalizes the update with compliance software for code review and compliance.

Staff also explained that the amendment process is a joint effort between all five local jurisdiction's building officials, and a joint City County Building Code Committee (BCC) which is comprised of local leaders in the construction industry that independently review the codes with the goal of having as few amendments as possible which are based on local conditions. The BCC also reviews current adopted amendments to determine if they need to be maintained. The work of the BCC has resulted in 98% of the amendment package being consistent with the City of Tucson's amendments. Pima County is considered a leader throughout the state which has led to all 5 local jurisdictions operating mostly with the same codes and similar amendments which ultimately benefit our citizens and contractors.

Staff discussed the following amendments:

- Required cooling requirements for HVAC units and evaporative coolers for habitable spaces. This was included because the codes only require heat, not cooling. Since cooling is already installed in habitable structures, this will not be a burden.
- To protect against microbursts, amendments no longer identify hardware to maintain building safety during windstorms, the amendments now call out minimum load capacities.

- EPA's new requirements for the use of A2L Refrigerants have been addressed in the amendments. They allow the use of ANSI/ASHRAE standards.
- Staff discussed that there is some reorganization and new definitions included in the new codes.

A Commissioner inquired if permanently installed rooftop ladders is required on houses. Staff responded that the requirement is only for commercial buildings for accessing roof top mechanical units, and for getting from a low roof to a high roof.

A Commissioner inquired as to why the insulation values from the 2024 energy code were reduced back to 2018 levels and believed it was counter to energy efficiency since 40% of energy loss is through the ceiling. Staff responded that openings are the largest source of heat loss and the roof requirements for R49 insulation in the roof wasn't practical because of the increased cost for the insulation and the need for a larger joist than the typical 12-inch joist. Air leakage/tightness requirements and air barriers are required in the new codes.

A Commissioner inquired about radiant barriers to increase the insulation value of a roof system. Staff responded that radiant barriers do improve insulation and more ingenious ways of improving energy efficiency are continuing to be created. The combinations of spray closed cell insulations in conjunction with batt insulation is a very common practice now. Staff also responded that additional discussions concerning energy efficiency will take place during the 2024 International Energy Code adoption process.

A Commissioner inquired if natural gas would be phased out and how often alternative material, such as adobe, is used in construction. Staff responded that we have not received a natural gas directive and occasionally alternative material construction is used.

A Commissioner acknowledged the BBC committee and inquired about fire and safety concerns. Staff responded that Pima County does not adopt a fire code since there are over 20 fire districts in Unincorporated Pima County. The building codes account for other safety items, such as exiting, means of egress, structural safety, methods of construction etc. The fire systems and firefighting efforts come from the local fire district.

A Commissioner inquired if Pima County will be providing outreach to ensure citizens of the county are aware of the code update and new requirements and is concerned about noncompliance. Staff responded that we want constituents to get permits and build in compliance with the codes. Development Services staff provides daily customer service in-person and on-line to assist the public with their development projects. Staff will also be providing publicized outreach and training on the new codes and significant changes.

A Commissioner inquired if a fire requirement was what was behind the new kitchen island receptacles requirement. Staff responded that it did not have anything to do with fire safety. The requirement no longer allows receptacles on the side of an island cabinet. Receptacles are required to be on or above the counter surface which was put in place to protect children from pulling on cords hanging over a countertop.

A Commissioner inquired if International Codes are used throughout the country. Staff responded that most jurisdictions across the country are using the International Codes. There are some exceptions where a jurisdiction is using a different code.

A Commissioner inquired if the International Codes are used internationally. Staff responded that it is the hope of the International Code Council. Currently all the charts and tables only reference areas in the United States.

A Commissioner questioned how a contractor digests all the new information and applies it to their project. Staff responded that the new codes are not dramatically different from the current adopted codes and staff is working on updating new information and preparing training sessions for builders, design professionals, designers, etc. Inspectors and office staff are providing the public with information about the updated codes. Any development under construction will not need to be required to meet the new codes. Applicable code requirements are based on the application date. Any permit applied for before midnight December 31, 2025, will need to meet the requirements of the 2018 International Codes. Any permit applied for January 1, 2026, will need to meet the requirements of the 2024 International Codes. If applying for a new permit on an existing building, only the areas worked on will need to be brought up to the adopted code, not the entire building.

A Commissioner inquired about the number of inspectors, and if it was enough to handle the workload. Staff responded that with our remote inspection program, inspectors are able to keep up with the workload.

There was no one from the audience to speak and the public hearing was closed.

Commissioner Gungle made a motion to recommend **APPROVAL** of the building code text amendment subject to the provision of publicized outreach and training on new codes and significant changes. Commissioner Maese gave second.

The motion passed 9 – 0 (Commissioner Lane was absent).

DI/TD/ds  
Attachments

## **ORDINANCE NO. 2025-**

AN ORDINANCE OF PIMA COUNTY, ARIZONA; RELATING TO BUILDING AND CONSTRUCTION; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL RESIDENTIAL CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2023 NATIONAL ELECTRICAL CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL FUEL GAS CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL PROPERTY MAINTENANCE CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL WILDLAND-URBAN INTERFACE CODE WITH LOCAL AMENDMENTS (APPLICABLE ONLY TO AREAS DESIGNATED RURAL FOREST VILLAGE UNDER THE PIMA COUNTY COMPREHENSIVE PLAN AND AREAS ENCIRCLED THEREBY); ADOPTING BY REFERENCE THE 2024 INTERNATIONAL EXISTING BUILDING CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL SWIMMING POOL AND SPA CODE WITH LOCAL AMENDMENTS AMENDING CHAPTERS 15.04, 15.08, 15.12, 15.14, 15.16, 15.18 AND 15.20 OF THE PIMA COUNTY CODE TO REFLECT THE AMENDMENTS ADOPTED BY THIS ORDINANCE ALONG WITH PREVIOUSLY ADOPTED BOARD OF SUPERVISORS RESOLUTIONS.

WHEREAS, A.R.S. § 11-861 allows the adoption by reference of any building and other related codes that has been adopted by any national organization or association that is organized and conducted for the purpose of developing codes or that has been adopted by the largest city in the county; and

WHEREAS, The International Code Council, Inc. and the National Fire Prevention Association are national organizations or associations organized and conducted for the purpose of developing codes; and

WHEREAS, A.R.S. § 11-251(35) allows the adoption and enforcement of standards for shielding and filtration of commercial or public outdoor portable or permanent light fixtures in proximity to astronomical or meteorological laboratories; and

WHEREAS, the Pima County Board of Supervisors has adopted ordinances adopting building and construction related codes pursuant to A.R.S. § 11-861 and A.R.S. § 11-251(35); and

WHEREAS, A.R.S. § 28-8482 mandates the incorporation of sound attenuation standards in building codes; and

WHEREAS, A.R.S. § 11-268 allows for the adoption and enforcement of standards pertaining to the removal of rubbish, trash, weeds, filth, debris and dilapidated buildings; violations; classification; removal by county; costs assessed; collection; and priority of lien;

**NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF SUPERVISORS OF PIMA COUNTY, ARIZONA, AS FOLLOWS:**

**SECTION 1.** That Pima County adopt by reference the 2024 International Building Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit A and incorporated by this reference.

**SECTION 2.** That Pima County adopt by reference the 2024 International Residential Code, published by the International Code Council, Inc., Country Club Hills, IL, 2024, as amended by the local amendments, attached as Exhibit B and incorporated by this reference.

**SECTION 3.** That Pima County adopt by reference the 2023 National Electrical Code (NFPA 70), published by the National Fire Protection Association, Quincy, Ma., August 2022, as amended by the local amendments, attached as Exhibit C and incorporated by this reference.

**SECTION 4.** That Pima County adopt by reference the 2024 International Mechanical Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit D and incorporated by this reference.

**SECTION 5.** That Pima County adopt by reference the 2024 International Plumbing Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit E and incorporated by this reference.

**SECTION 6.** That Pima County adopt by reference the 2024 International Fuel Gas Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit F and incorporated by this reference.

**SECTION 7.** That Pima County adopt by reference the 2024 International Property Maintenance Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit G and incorporated by this reference.

**SECTION 8.** That Pima County adopt by reference the 2024 International Wildland-Urban Interface Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit H and incorporated by this reference.

**SECTION 9.** That Pima County adopt by reference the 2024 International Existing Building Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit I and incorporated by this reference.

**SECTION 10.** That Pima County adopt by reference the 2024 International Swimming Pool and Spa Code, published by the International Code Council, Inc., Country Club Hills, IL, 2024, as amended by the local amendments, attached as Exhibit J and incorporated by this reference.

**SECTION 11.** That Title 15 of the Pima County Code is amended to read as follows:

**Chapter - 15.04 Building Code**

...

**15.04.020 Codes Adopted.**

A. The Pima County building code, codified in this chapter, adopts by reference the 2024 International Building Code, published by the International Code Council, Inc., Country Club Hills, IL, in 2023, as amended by the local amendments attached to and incorporated into Ordinance 2025- as Exhibit A together with the following national and international codes:

1. The 2024 International Property Maintenance Code, as amended by Exhibit G attached to Ordinance 2025- ;
2. The 2024 International Fuel Gas Code as amended by Exhibit F attached to Ordinance 2025- (See Chapter 15.18);
3. The 2024 International Plumbing Code, as amended by Exhibit E attached to Ordinance 2025- (See Chapter 15.20);
4. The 2024 International Mechanical Code, as amended by Exhibit D attached to Ordinance 2025- (See Chapter 15.16);
5. The 2023 National Electrical Code (NFPA 70), as amended by Exhibit C to Ordinance 2025- (See Chapter 15.08);
6. The 2024 International Residential Code, as amended by Exhibit B attached to Ordinance 2025- ;
7. The following provisions of the 1998 American National Standard Accessible and Usable Buildings and Facilities Code, published by the International Code Council, February 1998, as amended by the local amendments attached to and incorporated into Ordinance 2002-2 as Exhibit A, as amended by Ordinances 2002-66 and 2002-72: Chapter 1; Chapter 2; Chapter 3, Sections 301.1, 303.1, 303.2, 303.3, 308.1, 308.2.1, 308.3.1 and 309.3 only; Chapter 4, Sections 401.1, 402.1, 402.2, 403.5, 404.1, 404.2.5, and 404.2.7 only; Chapter 6, Sections 604.5, 607.4, 609.4 and Section 610 only; Chapter 10, Sections 1001.01, 1003.1, 1003.2, 1003.3, 1003.4, 1003.5, 1003.9 and 1003.11.2 only. Unless otherwise specifically indicated in Exhibit A to Ordinance 2002-2 as amended by Ordinances 2002-66 and 2002-72, adoption of a particular section of the said Code shall include adoption of all subsections thereof;

8. The 2024 International Wildland-Urban Interface Code, as amended by Exhibit H attached to Ordinance 2025- . The 2024 International Wildland-Urban Interface Code applies only to areas designated Rural Forest Village under the Pima County Comprehensive Plan and areas encircled thereby;
  9. The 2024 International Existing Building Code, as amended by Exhibit I attached to Ordinance 2025- ;
  10. The 2024 International Swimming Pool and Spa Code, as amended by Exhibit J attached to Ordinance 2025- ;
- B. The Pima County building code incorporates the following local ordinances and codes into the building code by reference:
1. The International Building Code Appendix F: Noise level reduction design and construction standards, Attached as Exhibit A to Ordinance 2008-119;
  2. The 2012 City of Tucson/Pima County Outdoor Lighting Code, attached as Exhibit A to Ordinance 2012-14 (See Chapter 15.12).

...

#### **15.04.060 - Administrative appeal process.**

Whenever a violation of a building code is determined, whether during construction or at the plan review stage, and the applicant wishes to appeal the decision of the staff, because of code interpretation, unreasonable hardship or other acceptable reasons, the applicant may appeal to the building official in accordance with the procedures listed in Exhibit A, section 104.2.4 of Ordinance 2025- . If an appeal is denied by the building official, the applicant shall comply or appeal to the board of appeals of the county as in Section 15.04.070.

### **Chapter - 15.08 Electrical Code**

#### **15.08.010 Adopted.**

The 2023 National Electrical Code (NFPA 70), published by the National Fire Protection Association, One Batterymarch Park, Quincy, MA, 2022 is adopted by reference as the electrical code of Pima County as amended by Exhibit C attached to Ordinance 2025- . The purpose of the code is the practical safeguarding of persons and property from the hazards arising from the use of electricity.

### **Chapter - 15.16 Mechanical Code**

#### **15.16.010 Adopted.**

The 2024 International Mechanical Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023 is adopted by reference as the mechanical code of Pima County as amended by Exhibit D attached to Ordinance 2025- ....

### **Chapter - 15.18 Fuel Gas Code**

#### **15.18.010 Adopted.**

The 2024 International Fuel Gas Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023 is adopted by reference as the fuel gas code of Pima County as amended by Exhibit F attached to Ordinance 2025- . The purpose of the code is to provide... .

**Chapter - 15.20 Plumbing Code.**

**15.20.010 Adopted.**

The 2024 International Plumbing Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023 is adopted by reference as the plumbing code of Pima County as amended by Exhibit E attached to Ordinance 2025- . The purpose of the code is to provide... .

**SECTION 12.** This ordinance is effective for permit applications initiated on or after January 1, 2026.

PASSED AND ADOPTED by the Board of Supervisors of Pima County, Arizona, this \_\_\_\_ day of \_\_\_\_\_, 2025.

PIMA COUNTY BOARD OF SUPERVISORS

\_\_\_\_\_  
Chairman, Pima County Board of Supervisors

ATTEST:

\_\_\_\_\_  
Clerk of the Board of Supervisors

REVIEWED BY:

APPROVED AS TO FORM:

*Daniel E. Lee*

*Bobby Yu*

\_\_\_\_\_  
Chief Building Official

\_\_\_\_\_  
Bobby Yu, Deputy County Attorney



## Ordinance 2025- Exhibit A

### Amendments to the: **2024 International Building Code**

**Section 101.1 Title.** Insert:[name of jurisdiction] as “Pima County, AZ”.

**Section 101.2 Scope.** REVISE section by ADDING a second sentence to the exception as follows: “Home occupations conforming to Pima County Code Section 18.09.030(A) and classified as occupancy group B, F, M, S or U may comply with the *International Residential Code* without needing to meet additional requirements for live/work units.”

**Section 101.4 Referenced codes.** REVISE section by DELETING the paragraph and REPLACING it with the following:

The other codes listed in Sections 101.4.1 through 101.4.11, as locally amended, and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference.

**Section 101.4.3 Plumbing.** REVISE section by DELETING the last sentence.

**Section 101.4.4 Property maintenance.** REVISE section by DELETING all words following “...shall apply to existing structures and premises.”

**Section 101.4.5 Fire prevention.** REVISE section by DELETING the paragraph and REPLACING it with the following:

The provisions of the *International Fire Code* shall apply whenever referenced in this code or as deemed necessary by the Building Official. Enforcement of the Fire Code shall, however, be relegated to the fire jurisdiction having authority or to the designated responding fire department.

ADD new section 101.4.8 to read:

**Section 101.4.8 Electrical.** The provisions of the *National Electrical Code* shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

ADD new section 101.4.9 to read:

**Section 101.4.9 Outdoor lighting.** The provisions of the City of Tucson/Pima County Outdoor Lighting Code shall apply to all new construction, additions and alterations to land uses, developments, buildings, structures and light fixtures.

ADD new section 101.4.10 to read:

**Section 101.4.10 Pool and Spa.** The provisions of the *International Swimming Pool and Spa Code* shall apply to all private residential swimming pools.

ADD new section 101.4.11 to read:

**Section 101.4.11 Wildland-urban interface.** The provisions of the *International Wildland-Urban Interface Code* shall apply to areas designated Rural Forest Village under the Pima County Comprehensive Plan and areas encircled thereby.



**Section 103.1 Creation of enforcement agency.** Insert: [name of jurisdiction] as “Pima County, AZ”.

**Section 104.2.4 Modifications.** REVISE section by ADDING the following to the end of the paragraph: Requests for modification shall be appealed to the Building Official as follows:

1. The applicant shall file a written appeal on the form provided by the Building Official and accompanied by a non-refundable fee (refer to the fee schedules adopted by the jurisdiction by separate ordinance).
2. Adequate information shall be provided by the applicant to fully describe the conditions in question.
3. The appeal will be considered by the Building Official within five (5) business days of receipt.
4. If an appeal is denied by the Building Official, the appellant must comply with the decision or may appeal to the Board of Appeals pursuant to Section 113 of this Code and Section 15.04.070 of the Pima County Code.

**Section 105.1 Required.** REVISE section by ADDING the following to the end of the paragraph: The provisions of this Code apply to regulated equipment and structures or improvements thereto in the unincorporated area of Pima County, east of the easterly boundary of the principal Tohono O’odham Reservation (not the San Xavier District). Buildings intended for assembly, commercial or industrial purposes shall comply with this Code, regardless of location unless exempted by State law.

Owners, builders, or authorized agents of buildings in otherwise exempted areas may, of their own volition, place themselves under the jurisdiction of this code by making application for and obtaining permits prior to construction.

**Section 105.1.1 Annual permit.** REVISE section by ADDING the following to the end of the paragraph: The applicant for the registered facility annual permit shall be an architect registered in the State of Arizona and who shall be directly responsible for compliance with this code with respect to all work, which would otherwise require a permit. This person shall be approved by the Building Official. All new applications need to be accompanied by a complete set of plans outlining the affected buildings with a scope of work and operations section clearly outlined. Annual registered facility permits shall not be granted for buildings or facilities not currently operating under a valid certificate of occupancy.

Fees for annual permits shall expire on December 31<sup>st</sup> of each year and will need to be renewed and approved for registered facility status to be maintained. The permit will be suspended if the registered and approved applicant becomes no longer employed by the registered facility. If this occurs, the facility shall notify the Building Official and call for immediate inspection on any ongoing work until such time that a replacement registrant is approved by the Building Official. Annual permits may be revoked at any time by the Building Official when failing to comply with requirements.

A summary report of all work performed under the registered facility registration shall be prepared by the registered architect and submitted annually to the Building Official. Work conducted under the registered facility annual permit may be reviewed and inspected by the Building Official while the work is in progress or on an annual basis.

The following work is not covered within the scope of the annual permit and shall require separate permitting:

1. Any work creating a different occupancy group for all or any portion of a building.

2. Any work creating a different building type for all or any portion of a building.
3. Any work which adds, alters, removes or penetrates required firewalls or barriers, exit courts, exit passageways or horizontal exits.
4. Any work which modifies load-bearing components of the structure

**Section 105.2 Work exempt from permit (Building).** REVISE item number 1 by DELETING “120 square feet (11m<sup>2</sup>)” and REPLACING it with “200 square feet (18.58m<sup>2</sup>).”

REVISE item number 5 by ADDING a second sentence to read: “Water tanks no greater than 1000 gallons (3785.41 L), directly supported on grade, regardless of aspect ratio.”

REVISE item number 6 by DELETING the fragment “Sidewalks and driveways...” and REPLACING it with “Decks and non-structural flatwork...”

REVISE item number 9 by DELETING the phrase fragment “24 inches (610 mm)” and REPLACING it with “18 inches”.

REVISE the Building section by ADDING new items number 14 to 19 as follows:

14. Any work accomplished under the auspices of and owned and controlled by the United States of America or the State of Arizona.
15. Amusement devices or structures located on a site for no more than 30 calendar days.
16. Devices used in manufacturing, processing, or fabricating normally used in industrial plants.
17. Tents or membrane structures provided the area does not exceed 400 square feet (37.16 m<sup>2</sup>) or 700 square feet (65.03 m<sup>2</sup>) if a minimum of two sides are open.
18. Replacement of roof covering for legally existing buildings with similar materials regardless of value. Historic buildings must complete a historic review and approval prior to roofing installation.
19. Detached ramadas/gazebos not greater than 200 square feet (18.58 m<sup>2</sup>) and not containing any electrical, mechanical, plumbing or stairs.
20. Residential window and door replacements in buildings legally permitted. Existing safety glazed windows shall be replaced with safety glazed windows. Existing emergency escape and rescue windows shall be same size or larger as window being replaced. Historic buildings must complete an historic review and approval prior to window installation.

**Section 105.2 Work exempt from permit (Electrical).** REVISE the Electrical section by ADDING a new fourth paragraph section to read:

**Other items:**

1. Power for amusement devices and carnival rides in place on a site for less than 30 calendar days and not connected to a utility company’s facilities.
2. Repair or replacement of fixed motors and transformers of the same type and rating in the same location.
3. Repair or replacement of current-carrying parts of any switch, contactor, control device, or overcurrent device of the required capacity in the same location.
4. Electrical wiring, devices, appliances, apparatus or equipment operating at less than 25 volts and not capable of supplying more than 50 volt-amperes of energy.
5. Devices used in manufacturing, processing or fabricating.

**Section 105.2 Work exempt from permit (Mechanical).** REVISE the Mechanical section by ADDING new item number 8 as follows:



8. Replacement of evaporative coolers with like coolers.

**Section 105.2 Work exempt from permit (Agricultural).** REVISE section by ADDING new paragraphs following the Plumbing section as follows:

**Agricultural Buildings:**

Agricultural buildings are exempt from Building Codes permitting requirements per A.R.S. § 11-865(A)(1). This section does not, however, exempt Agricultural buildings from permitting requirements for site outdoor lighting per ARS § 11-251(35).

Agricultural buildings containing separated uses, as defined by the Building Code, where the construction incidental to agriculture only occupies a portion of a mixed-use building, shall be provided with an exemption only for those construction portions incidental to agriculture. Those construction portions not incidental to agriculture shall not only require Building Codes permitting, but may require a rated occupancy separation from the exempt portion per the Building Code as follows:

Agricultural buildings are structures incidental to “Farming, dairy, agriculture, viticulture, horticulture, stock or poultry raising” [A.R.S. § 11-865(A)(1)]. This includes structures for the storage of equipment and materials incidental to the operation of agriculture such as tractors, combine harvesters and feed for the exclusive use of dairy or production animals. The definition, however, does not include any exemption for general animal care and housing facilities such as kennels, aviaries and riding stables. This means that buildings of an agricultural character (i.e.: pole barns or silos), are not eligible for agricultural buildings status if their use does not qualify for the exemption. The test for whether a building is an agricultural building depends on the use to which the building is intended. The question is not determined by the physical similarity of the use of the building to uses done by farmers in other situations. The test is whether the particular building, or portion of a building, is used as part of, or incidental to, an agricultural function or whether it is used as part of an independent activity. Furthermore, to qualify for exempt status, agricultural buildings need to be located on agricultural real property as defined by A.R.S. §42-12151. In addition, agricultural real property classification will require that “the primary use of the property is as agricultural land...” along with the other caveats listed in A.R.S. §42-12152.

**Section 105.3 Application for Permit.** REVISE section by DELETING items 5 and 6.

**Section 105.3.2 Time limitation of application.** REVISE section by DELETING the phrase fragments “180 days” and “90 days” and respectively REPLACING these with “365 days” and “180 days”.

**Section 105.5 Expiration.** REVISE section by DELETING all occurrences of the phrase fragment “180 days” and REPLACING them with “365 days”; ADDING a sentence after the first sentence to read: “Such time periods shall be evidenced by a recorded inspection approval demonstrating progress”; DELETING the last sentence and REPLACING with the following: The extension shall be requested in writing, prior to permit expiration and with justifiable cause demonstrated. Permit reinstatements and associated fees shall conform to the procedure on file with the Building Official.

**Section 107.3.2 Previous approvals.** REVISE section by DELETING the phrase fragment “180 days” and REPLACING it with “365 days” and ADDING new text at the end of the last sentence to read: “...as evidenced by a recorded inspection demonstrating progress.”



**Section 109.3 Building permit valuations.** DELETE this section in its entirety.

ADD new section 109.3 to read:

**Section 109.3 Model plans.** As defined by the Building Official, when two or more buildings, structures, or systems of regulated equipment are built without substantial modifications, an applicant may apply for a model plan permit. This permit shall be charged plan review fees with additional fees for each exterior design elevation. The number and type of accepted revisions/options per model plan shall be as determined by the Building Official.

A model plan approved by a jurisdiction having an Intergovernmental Agreement with Pima County may be accepted for approval by the Building Official and assessed an administrative fee of -five percent (5%) of the building plan review fee.

**Section 109.4 Work commencing before permit issuance.** REVISE section by ADDING a new sentence at the end of the paragraph to read:

The additional fee shall be at least equal to 25% of the required building permit fee.

**111.2 Certificate issued.** REVISE section by ADDING a new sentence at the end of the section to read:

**Exception:** Approved final inspections for *International Residential Code* and group “U” occupancy structures shall constitute the certificate of occupancy.

ADD new section 111.3.1 to read:

**111.3.1 Occupancy bonds required.** Written assurance of compliance with this code, with the condition of temporary occupancy granted by the Building Official, and with the temporary occupancy time limit shall consist of a cash deposit or a performance bond in the penal sum of one thousand dollars (\$1,000.00) or the amount equal to one percent (1%) of the value, whichever is greater but not to exceed ten thousand dollars (\$10,000.00), payable to the jurisdiction and executed by a surety company qualified to execute surety bonds in the State. Each bond shall be joint and several and conditioned that the principal in the bond will faithfully conform to this code for which the temporary occupancy authorization is to be issued. The principal and surety named in such bond shall be jointly and severally bound unto the jurisdiction, and to any and every other person aggrieved or damaged by any breach of the condition of the bond. The bond shall not be void upon any recovery or recoveries totaling less than the whole penalty but may be used and recovered upon from time to time until the whole penalty is exhausted. The term of the obligation of such bond shall be for a period that the authorization is outstanding and may be held for thirty days thereafter when required by the Building Official, except that if at the expiration of said thirty days, the jurisdiction has reason to believe that there is an action or claim impending or that there is a legal action pending which relates to the bond, the jurisdiction shall retain the bond until final disposition of such matter or matters.

**Exception:** Owner built/owner occupied single family dwellings.

ADD new section 112.1.1 to read:

**112.1.1 Service conductors.** All service conductors, power and communication, shall be installed underground for all new construction. The requirement for underground conductors may be waived by the Building Official where:

1. Existing buildings on the block are served with overhead conductors or where a lot to be constructed upon is one of three or fewer abutting vacant lots making up less than 40 percent of the total acreage of the block (not including street or right-of-way) or where a vacant area is less than 60,000 square feet (5574.18 square meters).



2. The installation, when compared to the use of overhead conductors, would create a hazard or not be feasible. A feasibility study will be required at the time the request for waiver is made.

ADD new section 112.2.1 to read:

**112.2.1 Temporary service bonds required.** Written assurance of compliance with this code and temporary connection time limit shall consist of a cash deposit or a performance bond in the penal sum of one thousand dollars (\$1,000.00) or the amount equal to one percent (1%) of the value, whichever is greater but not to exceed ten thousand dollars (\$10,000.00), payable to the jurisdiction and executed by a surety company qualified to execute surety bonds in the State. Each bond shall be joint and several and conditioned that the principal in the bond will faithfully conform to this code for which the temporary connection authorization is to be issued. The principal and surety named in such bond shall be jointly and severally bound unto the jurisdiction, and to any and every other person aggrieved or damaged by any breach of the condition of the bond. The bond shall not be void upon any recovery or recoveries totaling less than the whole penalty but may be used and recovered upon from time to time until the whole penalty is exhausted. The term of the obligation of such bond shall be for a period that the authorization is outstanding and may be held for thirty days thereafter when required by the Building Official, except that if at the expiration of said thirty days, the jurisdiction has reason to believe that there is an action or claim impending or that there is a legal action pending which relates to the bond, the jurisdiction shall retain the bond until final disposition of such matter or matters.

**Exception:** Owner built/owner occupied single family dwellings.

ADD new section 112.2.2 to read:

**112.2.2 Construction power.** Construction power is a privilege granted under the jurisdiction for convenience during construction. Construction power may be from either temporary power poles or through the permanent power panel. Each 120 Volt circuit used for construction power shall be GFCI protected. Construction power may be revoked at any time upon cause by the Building Official.

**Section 202 Definitions: Swimming Pool.** REVISE section by DELETING the fragment “24 inches (610 mm)” and REPLACING it with “18 inches” (457 mm).

**Section 717.6.1 Through penetrations.** REVISE Exception 1 by ADDING “or the floor/ceiling assembly” after the word “wall” and before the word “and.”

**Section 717.6.2.1.2 Static systems.** REVISE section by ADDING new Exceptions 4 and 5.

4. Static *ceiling radiation dampers* shall be permitted to be installed in *Dwelling Units* with smoke alarms installed in accordance with the Building Code and activation of any smoke alarm within the *Dwelling Unit* shall shut down the system.
5. Static *ceiling radiation dampers* shall be permitted to be installed in *Dwelling Units* having a fire alarm system which has smoke detectors installed within the *Dwelling Unit* in accordance with the Building Code requirements for smoke alarms. Activation of any smoke detector within the *Dwelling Unit* shall shut down the system in the *Dwelling Unit*.

**Section 1512 Reroofing.** REVISE section by DELETING Roof Replacement and REPLACE with Roof Covering Replacement.

**Section 1609.1.1 Determination of wind loads.** REVISE section by ADDING the following after the last paragraph:

Per the Basic Wind Speed Figures, use the following:

- Risk Category I – 100 mph (160.137 kph).
- Risk Category II – 105 mph (168.981 kph).
- Risk Category III – 110 mph (177.028 kph).
- Risk Category IV – 115 mph (185.075kph).

ADD new section 1609.6.1.1 to read:

**Section 1609.6.1.1 Uplift resistance to minimize microburst effects.** In addition to requirements in ASCE 7, minimum uplift resistance shall be determined by either method 1 or 2 below:

### **1. Design-based wind uplift criteria**

Wind uplift requirements shall be determined by using the design wind values from the wind speeds listed in amended Section 1609.1.1 plus 5 mph (8.04672 kph) for all components and cladding material for the continuous load path transmitting the uplift forces from the rafter or truss ties to the foundation.

### **2. Prescriptive-based wind uplift criteria**

(Please note that the requirements of this section are in addition to those required for the structural connection of wood members).

#### **2.1. Conventionally-framed wood or cold-formed steel structures**

All bearing wall vertical connections shall be connected by an approved structural sheathing or approved connector to provide a continuous load path from the joist or truss through the ledger or top plate to the bottom wall plate. Where connectors are used, they have a minimum uplift load capacity of 500 lbs (226.796 kg) of configuration to match connection and spaced at intervals not to exceed 24 inch (610 mm). At openings, lower cripple studs do not require connectors, but king/trimmer studs require double connectors at bottom, and upper cripples require both full connectors to header as well as header to king stud. All platform framing requires either strapping listed for the purpose or continuous sheathing over rim joist from stud to stud vertically at each floor level. All non-bearing exterior walls shall be connected as above except that the spacing may be extended not to exceed every other stud.

#### **2.2. Masonry or concrete structures**

If lateral design requires larger anchors or more conservative spacing, these may be used in lieu of those called out in this section.

##### **2.2.1. Roof bearing on wall top plate**

Top plates shall be secured to masonry or concrete walls with minimum 0.5 inch (13 mm) anchor bolts embedded minimum 7 inch (180 mm) and spaced at intervals not to exceed 48 inch (1219mm). Each joist or truss shall be connected to the plate at each bearing location with a metal connector having a minimum uplift load capacity of 500 lbs (226.796 kg), and of configuration to match connection. Gable end joists or truss connectors shall also be connected at intervals not to exceed 48 inch (1219 mm).

##### **2.2.2. Roof bearing on wall ledger**

Joists or trusses bearing on a wall ledger shall be secured to masonry or concrete walls with metal strap purlin anchors of 800 lbs (362.874 kg) minimum capacity (ASD) installed in

accordance with the manufacture's installation requirements, and at intervals not to exceed 48 inch (1219 mm). Nonbearing roof diaphragm edges shall likewise be anchored to the wall but with the metal strap purlin anchor connected to a one framing bay or 24inch (610mm) minimum length of blocking, whichever is greater.

### **2.3. Structural steel structures**

Structural steel buildings shall have roof members attached by either welds, bolts, screws or other similarly approved connections at intervals not to exceed 48 inch (1219 mm). Ledger designs shall connect to roof trusses with strapping listed for the purpose at intervals not to exceed 48 inch (1219 mm). on all diaphragm sides. If lateral design requires larger anchors or more conservative spacing, the lateral design requirements shall be used in lieu of those called out in this section.

ADD new Section 1610.1.1 to read:

**Section 1610.1.1 Presumptive active pressure:** For typical unsaturated soils in Pima County, a presumptive active lateral pressure of 35 psf (170.88 kgf/m<sup>2</sup>) per foot (meter) of depth may be used without a geotechnical report for walls not exceeding 7 feet (2.133 m) feet in height, from top of footing. Level backfill is assumed with this active pressure. Surcharges shall be applied as necessary.

**Section 1612.3 Establishment of flood hazard areas.** Insert: [name of jurisdiction] as "The Flood Insurance Study for the Unincorporated Areas of Pima County, Arizona"; and insert:[date of issuance] as "February 15, 1983."

**Section 1705.4 Masonry construction.** REVISE section by ADDING a new exception 4 as follows:

**Exception 4:** Nonessential facilities designed in accordance with Section 2107 with allowable masonry stresses reduced by one-half and the maximum value of  $f_m$  limited to 1500 psi (10342136 pascals) for concrete or clay masonry. The following limitations shall apply to this exception:

1. The unsupported height (or length)-to-thickness ratio of a building wall shall not exceed 20.
2. The soil retaining height for a retaining wall shall not exceed 4 feet-0 inch (1219 mm) measured from the top of footing for an 8-inch (203.2 mm)-thick wall or 6 inch-0 inch (1828 mm) for a 12-inch (305 mm)-thick wall.
3. The height-to-thickness ratio shall not exceed 10 for a cantilevered masonry fence or combination masonry fence and retaining wall as measured from the top of footing to the top of wall. If a combination retaining/fence wall consists of more than one wall thickness, the smallest thickness shall be used in determining the height-to-thickness ratio.

Any portion or portions of a structure in which the design masonry stresses exceed one-half the allowable masonry stresses, shall require Special Inspection for that portion or portions of the structure.

ADD NEW section 1806.2.1 to read:

**Section 1806.2.1 Presumptive coefficient of friction:**

For typical unsaturated soils in Pima County, a presumptive coefficient of friction of 0.30 for lateral sliding resistance may be used without a geotechnical report. Friction resistance may be used in conjunction with passive pressure to resist sliding forces.

**Section 2308.11.4 Wind uplift.** REVISE section by DELETING first sentence and REPLACING with the following:

Uplift resistance shall comply with section 1609.6.1.1.



**Section 3109 Swimming pools, spas, and hot tubs.** DELETE section and subsections and REPLACE with: The design and construction of Public and Semipublic pools, spas, and hot tubs shall comply with Arizona Administrative Code, Title 18, Chapter 5, Article 2. Public and Semipublic Swimming Pools and Spas as well as A.R.S. § 36-1681 is hereby adopted by reference and subject to the requirements of this code.

Adopt Appendix A: Employee qualifications and Appendix I: Patio covers.

Add NEW section A101.5 to read:

**Section A101.5.** As determined by the Appointing Authority.



Ordinance 2025- Exhibit B

Amendments to the:  
**2024 International Residential Code**

**Chapter 1 Scope and Administration.** REVISE chapter by DELETING Section R102 Applicability and Part 2- Administration and Enforcement. (Deleted sections are administered by 2024 IBC, Chapter 1).

**Section R101.1 Title.** Enter [Name of Jurisdiction] as “Pima County, AZ”.

**Table R301.2 Climatic and geographic design criteria.** INSERT as follows:

Ground Snow Load	Less 4000 ft 0 psf (0 kgf/m <sup>2</sup> ) 4 to 5000 ft 20 psf (97.65 kgf/m <sup>2</sup> ) 5 to 7000 ft 40 psf (165.297 kgf/m <sup>2</sup> ) 7 to 8000 ft 60 psf (292.945 kgf/m <sup>2</sup> ) Over 8000 ft 80 psf (390.594 kgf/m <sup>2</sup> )
Topographic Effects	As Required
Wind Speed	105 mph (168.981 kph) 3 second gust
Seismic Design	Category B
Weathering	Up to 4000 ft (1219.2 m)-Negligible Above 4000 ft (1219.2 m)-Moderate
Frost Line Depth	Up to 4000 ft (1219.2 m)-0 in (mm) Above 4000 ft (1219.2 m)-24 in (610 mm)
Termite	Moderate to Heavy
Winter Design Temperature	Refer to N1101.09.1
Flood Hazards	NFIP: February 15, 1983 FIRM: June 16, 2011 for all areas except for an area around Agua Caliente Wash September 28, 2012 for an area around Agua Caliente wash

**Section R302.1 Exterior Walls.** REVISE section by DELETING text and tables and REPLACING with the following:

Exterior walls with a fire separation distance less than 3 feet (914mm) shall have not less than a one-hour fire-resistive rating with exposure from both sides. Projections shall not extend to a point closer than 2 feet (610 mm) from the line used to determine the fire separation distance. Projections extending into the fire



separation distance shall have not less than one-hour fire-resistive construction on the underside. The above provisions shall not apply to walls which are perpendicular to the line used to determine the fire separation distance.

**Exceptions:**

1. Detached garages accessory to a dwelling located within 2 feet (610 mm) of a lot line may have roof eave projections not exceeding 4 inches (102 mm).
2. Tool and storage sheds, playhouses, ramadas and similar structures exempted from permits are not required to provide wall protection based on location on the lot. Projections beyond the exterior wall shall not extend over the lot line.

ADD new section R302.1.1 to read:

**Section R302.1.1 Openings.** Openings shall not be permitted in the exterior wall of a dwelling with a fire separation distance less than 3 feet (914 mm). This distance shall be measured perpendicular to the line used to determine the fire separation distance.

**Exception:**

1. Penetrations shall be permitted in walls that are perpendicular to the line used to determine the fire separation distance.
2. Foundation vents installed in compliance with this code are permitted.

**Section R309 Automatic Fire-Sprinkler Systems.** DELETE section in its entirety.

**Section R317.5 Fire sprinklers.** DELETE section in its entirety.

**Section R325 Light, Ventilation and Heating.** REVISE section by DELETING the word heating and REPLACE with **Temperature Control**.

**Section R325.4.1 Intake openings.** REVISE section by ADDING an exception to read:

**Exception:** Replacement of existing evaporative coolers where the building official determines that the replacement does not constitute a high degree of hazard.

**Section R325.8 Required heating.** REVISE Section by ADDING Exceptions 1 and 2 to read:

**Exceptions:**

1. Interior spaces where the primary purpose is not associated with human comfort.
2. Interior spaces able to maintain 60°F (15.6°C) at a point 3 feet (914 mm) above the floor and 2 feet (609 mm) from exterior walls in all habitable rooms over a 48 hour period as demonstrated by Section N1105 Simulated Performance Alternative.

Add new section 325.9 to read:

**Section R325.9 Cooling system.** Dwelling units and sleeping units located in Climate Zones 0, 1, 2, 3, 4, 5A, and 5B, where the summer dry-bulb temperature is greater than 85°F (29.4°C), shall be provided with cooling systems capable of maintaining an indoor temperature at or below 80°F (26.7°C) in the occupied space. Where permanently installed fans are capable of generating 120 fpm (0.6 m/s) air speed inside the occupied space, the required cooling system shall be capable of



#### DEVELOPMENT SERVICES

maintaining indoor temperature at or below 85°F (29.4°C). The installation of one or more portable systems shall not be used to achieve compliance with this section.

Exception: Interior spaces where the primary purpose is not associated with human comfort.

**Section R506.3.3 Vapor retarder.** REVISE section by DELETING Exception #4 and REPLACING with the following:

4. Where designed by a qualifying *registered design professional*, based on soil conditions and floor finishing such as exposed concrete surfaces.

**Section R606.6.4.2.1 Roof structures.** REVISE section by DELETING section in its entirety and ADDING the following:

Masonry walls with ledgers shall be anchored to roof structures with metal strap purlin anchors of 800 lbs (363 kg) minimum capacity (ASD) installed in accordance with the manufacture's installation requirements, and at intervals not to exceed 48 inch (1219 mm).

Top plates shall be secured to masonry or concrete walls with minimum 0.5 inch (13 mm) embedded anchor bolts spaced at intervals not to exceed 48 inch (1219 mm). Each joist or truss shall be connected to the plate at each bearing location with a connector with a minimum of 500 lbs (227 kg) uplift load capacity and configuration to match connection. Gable end joists or trusses shall also be clipped connected at intervals not to exceed 48 inch (1219 mm).

**Section R606.6.4.2.2 Floor diaphragms.** REVISE section by DELETING section in its entirety and ADDING the following:

Masonry walls with ledgers shall be anchored to floor structures with metal strap purlin anchors of 800 lbs (363 kg) minimum capacity (ASD) installed in accordance with the manufacture's installation requirements, and at intervals not to exceed 48 inch (1219 mm).

**Section R802.11.1 Uplift resistance.** REVISE section by DELETING section in its entirety and ADDING the following:

Uplift resistance to minimize microburst effects shall be determined by either method 1 or 2 below:

#### 1. Design-based wind uplift criteria

Wind uplift requirements shall be determined by using the design wind value of 110 mph (177.028 kph) 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

(Please note that the requirements of this section are in addition to those required for the structural connection of wood members).

##### 2.1. Conventionally-framed wood or cold-formed steel structures

All bearing wall vertical connections shall be connected by an approved structural sheathing or approved connector to provide a continuous load path from the joist or truss through the ledger or top plate to the bottom wall plate. Where connectors are used, they shall have a minimum uplift load capacity of 500 lbs (227 kg), of configuration to match connection and spaced at intervals not to exceed 24 inch (610 mm). At openings, lower cripple studs do not require connectors, but king/trimmer studs require double connectors



at bottom and upper cripples, require both full connectors to header as well as header to king stud. All platform framing requires either strapping listed for the purpose or continuous sheathing over rim joist from stud to stud vertically at each floor level.

All non-bearing exterior walls shall be connected as above except that the spacing may be extended not to exceed every other stud.

## **2.2. Masonry or concrete structures**

If lateral design requires larger anchors or more conservative spacing, these may be used in lieu of those called out in this section.

### **2.2.1. Roof bearing on wall top plate**

Top plates shall be secured to masonry or concrete walls with minimum 0.5 inch (13 mm) embedded anchor bolts spaced at intervals not to exceed 48 inch (1219 mm). Each joist or truss shall be connected to the plate at each bearing location with uplift load capacity of 500 lbs (227 kg) and configuration to match connection. Gable end joists or trusses shall also be connected at intervals not to exceed 48 inch (1219 mm).

### **2.2.2. Roof bearing on wall ledger**

Joists or trusses bearing on a wall ledger shall be secured to masonry or concrete walls with metal strap purlin anchors of 800 lbs (363 kg) minimum capacity (ASD) installed in accordance with the manufacture's installation requirements, and at intervals not to exceed 48 inch (1219 mm). Nonbearing roof diaphragm edges shall likewise be anchored to the wall but with the metal strap purlin anchor connected to a one framing bay or 24 inch minimum length of blocking, whichever is greater.

## **2.3. Structural steel structures**

Structural steel buildings shall have roof members attached by either welds, bolts, screws or other similarly approved connections at intervals not to exceed 48 inch (1219 mm). Ledger designs shall connect to roof trusses with strapping listed for the purpose at intervals not to exceed 48 inch (1219 mm) on all diaphragm sides. If lateral design requires larger anchors or more conservative spacing, the lateral design requirements shall be used in lieu of those called out in this section.

**Chapter 11 Energy Efficiency.** DELETE Chapter in its entirety and REPLACE with the following: Residential buildings regulated by this code shall comply with the International Energy Conservation Code (IECC) as adopted and amended per Pima County Ordinance 2018-30 Exhibit G. References to Chapter 11 in other sections of this code shall be for reference to the corresponding IECC Section(s) only.

**Section M1411.2 Condensate disposal.** REVISE section by ADDING the following at the end of the paragraph:

Condensate disposal shall be allowed to terminate as follows:

1. At or below grade outside the building in an area capable of absorbing the condensate flow without surface drainage.
2. Over roof drains or gutters or downspouts that connect to drainage pipes, provided they terminate at or above grade in an area capable of absorbing the condensate flow without surface drainage.

ADD new Section M1413.2 to read:



**Section M1413.2 Water conservation.** Evaporative cooling systems shall be provided with a recirculating water system. Any bleed off rate used by the system shall be limited to that recommended by the manufacturer. Once-through evaporative cooling systems using potable water shall not be permitted.

ADD new section P2602.1.1 to read:

**Section P2602.1.1 Individual metering in new dwelling units.** The water supply to all dwelling units shall be individually metered. The metering may be private, or utility installed.

**Section P2603.5.1 Sewer depth.** INSERT [number] as “12 inch (30.5 cm) in both locations, and below frost depth above 4000 feet (1219.2 m) elevation.”

**Table 2903.2 Maximum flow rates and consumption for plumbing fixtures and fixture fittings.** REVISE the table as follows:

Plumbing Fixture or Fixture Fitting	Maximum Flow Rate or Quantity (b)
Lavatory faucet	1.5 gpm at 60 psi (419.7 kPa)
Showerheads <sup>a</sup>	2.0 gpm at 80 psi (551.6 kPa)
Sink faucet	1.8 gpm at 80 psi (551.6 kPa)
Water closet	1.28 gallons/flush

**Section P2904.1.1 Required sprinkler locations.** REVISE section by DELETING the first sentence and REPLACING with the following: “Sprinklers are not required within dwelling units. This section serves as a guide for voluntary installation or to allow for a fire separation reduction within sections R302.2 and R302.3.”

**Section P3008.1 Where Required.** REVISE section by DELETING paragraph and ADDING new text to read:

Where the finish floor elevation is less than 12 inch (304.8 mm) above the elevation of the next upstream manhole cover in the sewer, a backwater valve shall be installed in the building drain or branch of the building drain serving that floor. Floors discharging from above that reference point shall not discharge through the same backwater valve.

**Section P3008.2 Allowable installations.** DELETE section in its entirety.

**Section P3009 Greywater Soil Absorption System.** Delete section in its entirety. Shall comply with Arizona Administrative Code Title 18, Chapter 9.

**Section E3705.2 Correction Factor for ambient temperatures.** REVISE section by ADDING the following:

**E3705.2.1.** The ambient temperature for application of Table 3705.2 [(310.5 9B)(1)] for outdoor installations shall be not less than 45° C (113° F).

ADD new section E3703.8 to read:

**Section E3703.8 Dishwasher and Garbage Disposer Branch Circuits – Dwelling Units.** In residential occupancies, dishwasher and garbage disposer may be on the same 20-ampere branch circuit.



ADD new section 3802.10 to read:

**Section E3802.10 Earthen material wiring method.** Type UF Cable shall be permitted to be used in mortar joints of adobe construction in occupancies where the use of Nonmetallic Sheathed Cable is permitted by this code.

Adopt **Appendix BB: Tiny Houses.**

**Section BB 103.1 Minimum ceiling heights.** REVISE section by ADDING the following after the first sentence: "For rooms with sloped ceilings, at least 50 percent of the floor area of the room must have a ceiling height of at least 6 feet 8 inches (2032 mm) and no portion of the floor area of the room may have a ceiling height of less than 5 feet (1524 mm)."

Adopt **Appendix BF: Patio Covers.**

Adopt **Appendix BI: Light Straw-Clay Construction.**

Adopt **Appendix BJ: Strawbale Construction.**

Adopt **Appendix BK: Cobb Construction (Monolithic Adobe).**

Adopt **Appendix BM: 3D-Printed Building Construction.**

Adopt **Appendix NB Solar-Ready Provision – Detached One and Two-Family Dwellings and Townhomes.**

Adopt **Appendix NE Electric Vehicle Charging Infrastructure.**



Ordinance 2025- Exhibit C

Amendments to the:  
**2023 National Electrical Code**

**Section 210.5 Identification for branch circuits.** REVISE section by DELETING section (C)(1) and REPLACING it with the following:

**(C)(1) Circuit conductors.** Branch circuits shall be identified by color coding that conforms 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>Grounded 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

Exception No. 1: The above color-coding is not required in residential occupancies.

Exception No. 2: Industrial occupancies holding a Registered Facility Permit may use their own coding system.

Exception No. 3: Additions to an existing electrical system, where an acceptable color-coding system exists, the existing color-coding system shall be continued.

**Section 210.11(C) Dwelling units.** REVISE section by ADDING Item (5) to read:

**(5) Dishwasher and garbage disposer branch circuits-dwelling units.** In residential occupancies, dishwasher and garbage disposer may be on the same 20-ampere branch circuit.

**Section 215.12 Identification for Feeders.** REVISE section by DELETING section (C)(1) and REPLACING it with the following:

**(C)(1) Circuit conductors.** Branch circuits shall be identified by color coding that conforms to the following color code.

Volts	Phase	System	Phase A	Phase B	Phase C	Grounded Conductor
120/208	3	WYE	Black	Red	Blue	White
277/480	3	WYE	Brown	Orange	Yellow	Grey
120/240	3	DELTA	Black	Orange	Red	White

Exception No. 1: The above color-coding is not required in residential occupancies.



Exception No. 2: Industrial occupancies holding a Registered Facility Permit may use their own coding system.

Exception No. 3: Additions to an existing electrical system, where an acceptable color-coding system exists, the existing color-coding system shall be continued.

**Section 225.31(B) Location.** REVISE section by ADDING the following:

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.

**Section 230.70(B) Marking.** REVISE this section by ADDING the following to the end of the sentence: The markings shall be of sufficient durability to withstand the environment involved. Identifying labels required for disconnecting means shall have engraved or raised letters and be secured by screws or rivets (plastic tape shall not be considered durable material).

**Section 310.15 Ampacity Tables.** REVISE section by ADDING the following:

**310.15 (B)(3) Outdoor Ambient Temperature.** The ambient temperature for application of Tables 310.15 (B)(1)(1) and 310.15 (B)(1)(2) for outdoor installations shall be not less than 45° C (113° F).

**Section 340.10 Uses permitted.** REVISE section by ADDING new item (7) to read: (7) Type UF Cable shall be permitted to be used in mortar joints of adobe construction in occupancies where the use of Nonmetallic Sheathed Cable is permitted by this code.



## Ordinance 2025- Exhibit D

### Amendments to the: **2024 International Mechanical Code**

**Chapter 1 Administration.** DELETE chapter 1 with the exception of section 111 Inspections and Testing. (Deleted sections are administered by 2024 IBC, Chapter 1).

**Section 307.2.1.1 Condensate discharge.** REVISE section by ADDING the following at the end of the paragraph:

Condensate disposal shall be allowed to terminate as follows:

1. At or below grade outside the building in an area capable of absorbing the condensate flow without surface drainage.
2. Over roof drains or gutters or downspouts that connect to drainage pipes, provided they terminate at or above grade in an area capable of absorbing the condensate flow without surface drainage.

**Section 309.1 Space-heating systems.** REVISE section by DELETING the entire section and REPLACE with the following:

**Section 309.1 Heating and cooling systems.** Interior spaces intended for human occupancy shall be provided with active or passive heating and cooling systems capable of maintaining an indoor temperature between 68F (20C) and 90F (32C) at a point 3 feet (914 mm) above the floor. The installation of portable heaters or coolers shall not be used to achieve compliance with this section.

Exceptions:

1. Space heating and cooling systems are not required for interior spaces where the primary purpose is not associated with human comfort.
2. Group F, H, S, and U occupancies.

Add new section 309.2 to read:

**Section 309.2 Cooling system.** Dwelling units and sleeping units located in Climate Zones 0, 1, 2, 3, 4, 5A, and 5B, where the summer dry-bulb temperature is greater than 85°F (29.4°C), shall be provided with cooling systems capable of maintaining an indoor temperature at or below 80°F (26.7°C) in the occupied space. Where permanently installed fans are capable of generating 120 fpm (0.6 m/s) air speed inside the occupied space, the required cooling system shall be capable of maintaining indoor temperature at or below 85°F (29.4°C). The installation of one or more portable systems shall not be used to achieve compliance with this section.

Exception: Interior spaces where the primary purpose is not associated with human comfort.

**Section 401.4 Intake opening location.** REVISE section by ADDING an exception to read:



**Exception:** Replacement of existing evaporative coolers where the building official determines that the replacement does not constitute a high degree of hazard.

**Table 403.3.1.1 Minimum Ventilation Rates.** REVISE table by DELETING the Outpatient healthcare facilities section of the table and footnotes i and j.

**Section 403.3.2 Group R-2, R-3, and R-4 occupancies.** REVISE section by DELETING all instances of “and R-4.”

**Section 407 Ambulatory Care Facilities and Group 1-2 Occupancies.** REVISE section by DELETING the entire section and REPLACE with the following:

**Section 407 Healthcare Facilities**

**407.1 General.** Mechanical ventilation for healthcare facilities shall be designed and installed in accordance with this code, ASHRAE 170/ASHE and NFPA 99. Healthcare facilities include I-1, I-2, and R-4 occupancies along with freestanding birth centers, urgent care centers, neighborhood clinics and physicians’ offices, Class 1 imaging facilities, outpatient healthcare facilities, outpatient psychiatric facilities, outpatient rehabilitation facilities, and outpatient dental facilities.

Exceptions:

1. Existing healthcare facilities that are being remodeled and the occupancy classification does not change shall meet the requirements of Section 403 or 407.

**407.2 Mixed Occupancies.** If no functionally equivalent spaces exist in ASHRAE 170/ASHE and NFPA 99, ventilation requirements shall be obtained from Section 403. Where spaces with prescribed rates in both ASHREA 170/ASHE or NFPA 99 and Section 403 of this code exist, the higher of the two airflow rates shall be provided.

Add new section to read.

**Section 408 Marijuana Related Occupancies.**

**Section 408.1 General.** General. Marijuana related occupancies includes growing, drying, processing, cooking, storage, and sales of any marijuana or cannabis related products.

**Section 408.2 Exhaust and ventilation systems.** Exhaust and ventilation systems. All marijuana related occupancies shall meet one of the following paths:

1. Prescriptive path for exhaust and ventilation as described in Section 408.2.1.
2. Engineered exhaust and ventilation system as described in Section 408.2.2.

**Section 408.2.1 Prescriptive exhaust and ventilation requirements.**

**Section 408.2.1.1 Exhaust systems.** All marijuana related occupancies must be installed to the following requirements:

1. A minimum negative pressure of 0.01 inch w.c. relative to the building exterior and to adjacent spaces without marijuana related product.



2. A minimum exhaust rate of 0.2 cfm/sf of floor area or the greater as require by Section 403 or the International Fire Code.
3. Exhaust air must be treated with chemical absorption filters, such as activated charcoal prior to discharge. These filters shall have an airflow velocity across the face area of the filter that does exceed 350 feet per minute.
4. Exhaust outlet locations shall meet the requirements of Section 501.3.1.2 for other product conveying outlets.

**Section 408.2.1.2 Ventilation systems.** All marijuana related occupancies must be installed to the following requirements:

1. A minimum of 1 cfm/sf of floor area of continuous recirculation air that is provided with a minimum MERV 8 filters and chemical absorbing filters such as activated carbon filters.
2. A design airflow velocity across the face of the chemical absorbing filters shall not exceed 350 feet per minute.

**Section 408.2.2 Engineered exhaust and ventilation system.** An approved engineered system must provide equivalent ventilation and dilution of product and production chemicals as the prescriptive method. This requirement is not intended to supersede structural, mechanical, or fire code or requirements set by other state or federal agencies such as hazardous materials ventilation and control.

**Section 607.6.1 Through penetrations.** REVISE Exception 1. by ADDING “or the floor/ceiling assembly” after the word “wall” and before the word “and”

**Section 607.6.2.1.2 Static systems.** REVISE section by ADDING new Exceptions 4 and 5.

4. Static *ceiling radiation dampers* shall be permitted to be installed in *Dwelling Units* with smoke alarms installed in accordance with the Building Code and activation of any smoke alarm within the *Dwelling Unit* shall shut down the system.
5. Static *ceiling radiation dampers* shall be permitted to be installed in *Dwelling Units* having a fire alarm system which has smoke detectors installed within the *Dwelling Unit* in accordance with the Building Code requirements for smoke alarms. Activation of any smoke detector within the *Dwelling Unit* shall shut down the system in the *Dwelling Unit*.

**Section 608.1 Balancing.** REVISE section by DELETING the second sentence and REPLACING it with the following:

Ventilation systems shall be balanced by individuals holding current certification from the Associated Air Balance Council (AABC), the National Environmental Balancing Bureau (NEBB) or other *approved* agencies.

ADD new section 928.2 to read:

**Section 928.2 Water conservation.** Evaporative cooling systems shall be provided with a recirculating water system. Any bleed off rate used by the system shall be limited to that recommended by the manufacturer. Once-through evaporative cooling systems using potable water shall not be permitted.

ADD new section 932.1 to read:



**Section 932.1 Water cooled refrigeration/heat removal systems—water conservation.** A water-cooled refrigeration system or heat removal system, (defined as refrigeration or heat removal system using water, all, or in part, for condensing a refrigerant), shall not discharge more than three gallons of water per nominal ton per hour into an approved sanitary disposal system. Wastewater discharge shall be accomplished by the use of an air gap, as described in the *International Plumbing Code*. Each water-cooled system shall be provided with one or more of the following water-saving devices: (a) a cooling tower; or (b) an evaporative condenser; or (c) an *approved* water circulating device.

**Section 1001.1 Scope.** REVISE section by DELETING the text of 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 federal or state inspections. See Arizona Boiler Rules for Regulations, Title 20, Chapter 5.

**Section 1004.1 Standards.** REVISE section by DELETING all text after the second sentence and ADDING the following:

Boilers shall be designed and constructed in accordance with the ASME *Boiler and Pressure Vessel Code*, and Arizona Boiler Rules, Title 20 Chapter 5.

**Section 1101.1 Scope.** REVISE section by ADDING a new sentence after the first two sentences with the following:

ANSI/ASHRAE Standard 15 is a referenced standard and is regularly updated through continuous maintenance process and provides more up-to-date requirements for refrigerant safety. The refrigeration system shall meet the requirements of this Chapter or ANSI/ASHRAE 15-2024 with the companion standard ANSI/ASHRAE 34-2024.

**Section 1109.2.5 Exception 2.** REVISE the first sentence by DELETING the following: **using Group A1 refrigerant.**



## Ordinance 2025- Exhibit E

### Amendments to the: **2024 International Plumbing Code**

**Chapter 1 Administration.** DELETE chapter 1 with the exception of section 111 Inspections and Testing. (Deleted sections are administered by 2025 IBC, Chapter 1)

ADD new section 301.4.1 to read:

**301.4.1 Individual metering in new multi-family residential units.** The water supply to all new multi-family residential buildings shall be individually metered for each dwelling unit. The metering may be privately or utility installed.

**Section 305.4.1 Sewer depth.** INSERT [number] as “12” in both locations.

**Section 312.1 Required tests.** REVISE section by DELETING the last two sentences of the first paragraph.

**Section 314.2.1 Condensate disposal:** REVISE section by ADDING the following at the end of the paragraph: Condensate disposal shall be allowed to terminate as follows:

1. At or below grade outside the building in an area capable of absorbing the condensate flow without surface drainage.
2. Over roof drains, gutters, or downspouts that connect to drainage pipes, provided they terminate at or above grade in an area capable of absorbing the condensate flow without surface drainage

**Section 405.3.2 Public lavatories.** REVISE section by adding an exception as follows: Gender neutral restroom configurations that consist of a continuous bank of single user rooms may share lavatories provided the quantity of lavatories is not reduced and the lavatories are located directly outside the single user rooms.

**Section 410.4 Substitution.** REVISE section by ADDING a third sentence to read: When a single drinking fountain is required, it may be substituted with a point of use water cooler or dispenser.

ADD new section 412.13 to read:

**412.13 Automatic faucets.** New or replacement faucets serving lavatories in all buildings other than R3 occupancies or International Residential Code structures shall be provided with automatic faucets in accordance with section 603.

ADD new section 419.7 to read:

**419.7 Automatic faucets.** Lavatories installed in all buildings other than R3 occupancies or International Residential Code structures shall be provided with automatic faucets dispensing a maximum of 0.25 gallon per metering cycle.

**Section 423.3 Footbaths and pedicure baths.** REVISE section by ADDING the following at the end of the paragraph:

Provide backflow prevention on both the cold and hot water supply to each individual bath.

For tub fill only, provide air gap of “3” times the diameter of each water inlet. Or reduced pressure principle



backflow prevention assembly. Or pressure type vacuum breaker installed not less than 12" above the flood rim of the bath.

Drainage from each bath shall terminate with an air gap at an indirect waste receptor that includes a floor sink or washer standpipe. Gravity drains from tubs can be directly connected to the waste system through a trap and vent.

ADD new section 424.1.1 to read:

**424.1.1 Waterless urinals.** All urinals installed in new construction shall be of the waterless type. When a flushing urinal is replaced, every effort shall be made to replace it with a waterless unit.

**Section 504.6 Requirements for discharge piping.** REVISE section by DELETING item number 2 for areas at or less than 4000 feet elevation.

**Section 504.7.1 Pan size and drain.** REVISE section by ADDING the following at the end of the second sentence: "A drain shall not be required for replacement water heaters in locations where no previously installed drain is available."

**Table 604.3 Water distribution system design criteria required capacity at fixture supply pipe outlets.** REVISE table by DELETING the column titled "FLOW PRESSURE (psi)" in its entirety.

**Section 604.4 Maximum flow and water consumption.** DELETE the section and REPLACE with the following:

The maximum water consumption flow rates and quantities for all plumbing fixtures and fixture fittings shall be in accordance with Table 604.4 and such fixtures and fixture fittings shall be Environmental Protection Agency (EPA) WaterSense Certified fixtures or within the maximum flow or quantity required of WaterSense Certified fixtures, excluding fixture types that are not included under the WaterSense Program.

**Exceptions:**

1. Blowout design water closets having a water consumption not greater than 3 ½ gallons (13L) per flushing cycle.
2. Vegetable sprays.
3. Clinical sinks having a water consumption not greater than 4 ½ gallons (17L) per flushing cycle.
4. Service sinks.
5. Emergency showers.
6. Replacement of existing fixtures that do not require a permit.

**Table 604.4 Maximum Flow Rates and Consumption for Plumbing Fixtures and Fixture Fittings.** REVISE the table as follows:

Plumbing Fixture or Fixture Fitting	Maximum Flow Rate or Quantity (b)
Lavatory, private	1.5 gpm at 60 psi
Lavatory, public	0.25 gallon per metering cycle
Lavatory, public (other than metering)	0.5 gpm at 60 psi
Showerheads a, c	2.0 gpm at 80 psi
Sink faucet	1.8 gpm at 80 psi
Flushing Urinals	0.5 gallons/flush
Water Closet	1.28 gallons/flush



**Section 608.17.4 Connections to automatic fire sprinkler systems and standpipe systems.** REVISE section by DELETING all text therein and in subsection 608.17.4.1 and REPLACING it with the following:

The potable water supply to automatic fire sprinkler and standpipe systems shall be protected against backflow in accordance with ARS § 41-2168.

**Section 609.6 Clinical, hydrotherapeutic and radiological equipment.** REVISE section by ADDING a second sentence to read:

“If water is used for cooling or heat removal, it shall comply with the *International Mechanical Code*, amended section 932.1.”

**Section 714.1 Sewage backflow.** REVISE section by DELETING the paragraph and ADDING new text to read:

Where the finish floor elevation is less than 12 inches above the elevation of the next upstream manhole cover in the sewer, a backwater valve shall be installed in the building drain or branch of the building drain serving that floor. Floors discharging from above that reference point shall not discharge through the same back water valve.

**Section 903.1.1 Roof extension unprotected.** INSERT [number] as “6” inches (for elevations at or less than 4000 ft) and “30” inches (for elevations greater than 4000 ft).

**Section 1003.2 Approval.** REVISE section ADDING the following at the end of the last sentence: unless the flow rate is 50 gpm or greater and the liquid capacity is at least 65 gallons.

**Section 1003.3 Grease interceptors.** DELETE section and Table 1003.3.5.1 and REPLACE with the following:

Hydromechanical and gravity grease interceptors shall be designed and installed per Industrial Wastewater Ordinance by Pima County Regional Wastewater Reclamation Department Industrial Wastewater Control Section, Article XIV Grease Management Program

**A Fixtures to be connected to a grease interceptor located within the kitchen area or subject to grease waste<sup>1</sup>:**

- pre-rinse and or pre-wash sinks;
- two or three compartment sinks;
- meat prep sink;
- wok stoves;
- self cleaning stove ventilation/exhaust hood;
- kitchen floor drains;
- floor sinks;
- mop sinks;
- food prep sinks;
- hand sinks<sup>2</sup>;
- dishwasher; and
- food waste disposal units<sup>3</sup>.

<sup>1</sup> Depending on use and context, the requirement for above listed fixtures to drain through an interceptor may be appealed to RWRD.

<sup>2</sup> A hand wash sink located in the kitchen area shall either discharge through a grease interceptor or have a sign posted above it stating: "HANDWASH SINK ONLY! NO FOOD PREPARATION OR DISHWASHING ALLOWED."

<sup>3</sup> Discharges from food waste disposal units must drain through a maximum 3/8 inch screen.

### **B1 Hydromechanical grease interceptors**

Hydromechanical grease interceptors (HGI) manufactured and designed per PDI G101, which are generally installed inside, may be used when there are four (4) or fewer fixtures. The minimum size HGI to be installed shall be rated no smaller than 25 gallon per minute with a 50-pound grease capacity. Flow Control devices shall be designed and installed so that the total flow through such devices shall at no time be greater than the rated flow of the HGI.

*Exception: dishwasher and food waste disposal units shall not drain through a hydromechanical grease interceptor.*

### **B2 Hydromechanical grease interceptors meeting ASME A112.14.3.**

Hydromechanical grease interceptors (HGI) manufactured, designed, and certified to ASME A112.14.3 for grease production sizing and flow rate shall be installed per manufacturer's requirements.

### **C Grease interceptor sizing criteria**

Gravity grease interceptor (GGI) shall be sized in accordance with table and formula below.

Drainage Fixture Units per table defined in Pima County Industrial Wastewater Ordinance 13.36.420 (C)	Minimum Size (gallons)
Up to 10 DFU	300
11-16 DFU	500
17-25 DFU	750
26-33 DFU	1,000
34-44 DFU	1250
45-66 DFU	1500
67-111 DFU	2000
Greater than 112 DFU	Contact Industrial Wastewater Control

$$V_{(min)} = F \times R \times S$$

Where:

- $V_{(min)}$  = Minimum Gravity Grease Interceptor Operating Volume, gallons
- F = Flow Rate (maximum), gallons per minute
- R = Retention Time = 30 minutes
- S = Storage Factor = 25%



Thus:  $V_{(min)} = F \times 30 \times 1.25$

The flow rate shall be determined based on the total flow rate from all equipment and plumbing fixtures connected to the gravity grease interceptor using one of the following equations:

- Drainage Fixture Units (DFU) **less than or equal to 40**:  $F = (0.8 \times DFU)$
- Drainage Fixture Units **greater than 40**:  $F = (0.3 \times DFU) + 20$

Where: DFU = Drainage Fixture Units per Table 709.1

- The minimum retention time of 30 minutes is based on Wastewater Engineering, Treatment, Disposal and Reuse, Third Edition, Metcalf and Eddy, Inc., McGraw-Hill, Inc., page 1028.
- A minimum of **25%** storage is required for floatable fats, oil and grease and settled solids is required for gravity grease interceptors.
- The minimum sized GGI to be installed shall be 300 gallons.

*Note: Providing additional interceptor capacity can reduce an interceptor's maintenance frequency. However, solid accumulation and low flows in an interceptor can, over an extended period of time, produce a corrosive environment which can damage the structural integrity of the interceptor. An oversized interceptor may also generate odor problems.*

Gravity grease interceptors shall be designed and tested in accordance with IAMPO/ANSI Z1001. GGIs shall be installed per manufacturer's instructions. Where manufacturer's instructions are not provided, GGIs shall be installed in compliance with ASME A112.14.6 and IAPMO/ANSI Z1001.

Gravity grease interceptors shall have a minimum of two compartments and two man-ways. All man-ways shall have a minimum 20" inside diameter.

Hydromechanical grease interceptors meeting ASME A112.14.3 shall be sized in accordance with table below.

Drainage Fixture Units per table defined in Pima County Industrial Wastewater Ordinance 13.36.420 (C)	Minimum Size
Up to 10 DFU	400 lbs of grease holding capacity at 50 gpm
11-25 DFU	800 lbs of grease holding capacity at 75 gpm
26-66 DFU	1,800 lbs of grease holding capacity at 100 gpm
67-111 DFU	3,000 lbs of grease holding capacity at 100 gpm
Greater than 112 DFU	Contact Industrial Wastewater Control

Grease interceptor discharge shall be vented in accordance with chapter 9, provided with cleanout in accordance with section 708, and directly connected to the sanitary drainage system.



#### DEVELOPMENT SERVICES

**Section 1101.3 Prohibited drainage.** REVISE the section by ADDING the following at the end of the paragraph: Exception: Exterior fixtures, installed to prevent drainage outside the fixture or pan are acceptable.

**Section 1302 On-site nonpotable water reuse systems.** DELETE section and REPLACE with the following: Regulated under Arizona Administrative Code (A.A.C.) Title 18, Chapter 9.

**Appendix B Rates of rainfall for various cities.** REVISE appendix by ADDING “Tucson..... 3.0” under “Arizona”.



Ordinance 2025- Exhibit F

Amendments to the:  
**2024 International Fuel Gas Code**

**Chapter 1 Administration.** DELETE chapter 1 with the exception of sections 101.2.5 Systems, Appliances, and Equipment Outside the Scope and 111 Inspections and Testing. (Deleted sections are administered by 2024 IBC, Chapter 1).



## Ordinance 2025- Exhibit G

### Amendments to the: **2024 International Property Maintenance Code**

**Section 101.1 Title.** Insert: [name of jurisdiction] as “Pima County, AZ”.

**Section 101.2 Scope.** REVISE this section by DELETING the paragraph and replacing it with the following:

The provisions of this code shall apply to all vacant and/or unsecured dangerous buildings, as herein defined, which are now in existence, or which may hereafter become dangerous in this jurisdiction.

**Section 101.3 Purpose.** REVISE this section by DELETING the paragraph and replacing it with the following:

It is the purpose of this code to provide a just, equitable and practicable method, to be cumulative with and in addition to any other remedy provided by the building code, or otherwise available by law, whereby buildings or structures which from any cause endanger the life, limb, health, morals, property, safety or welfare of the general public or their occupants may be required to be secured, repaired, vacated or demolished.

ADD new section 101.5 to read:

**Section 101.5 Duty to clean and secure vacant buildings and structures.** The owner of a vacant building or structure shall remove accumulation of weeds, combustible waste or rubbish from the interior of the building or structure and the surrounding yards; and shall secure all doors, windows, and other openings as required by and in accordance with standards on file with the Building Official.

**Section 102.3 Application of other codes.** REVISE this section by DELETING the paragraph and replacing it with the following:

Repairs, additions or alterations to a structure, or change of occupancy, shall be done in accordance with the procedures and provisions of the regulatory codes as adopted by this jurisdiction which are in effect at the time such work is undertaken.

**Section 102.8 Referenced codes and standards.** DELETE this section in its entirety.

**Section 103 Code Compliance Agency.** DELETE this section in its entirety.

**Section 104 Fees.** DELETE this section in its entirety.

**Section 109.4.1 Form.** REVISE section by DELETING item 4 and REPLACING with the following:

4. Include a correction order allowing no less than thirty (30) days’ time to make the repairs and improvements required to bring the dwelling unit or structure into compliance with the provisions of this code.

**Section 109.4.1 Form.** REVISE section by ADDING new item 7 as follows:

7. Include the estimated cost to the county for the removal if property owner does not comply.



**Section 108.4 Failure to comply.** DELETE “established by the authority having jurisdiction” and REPLACE with “up to \$10,000 per instance per day for commercial work/property and \$750 per instance per day for other”.

**Chapter 2 Definitions.** DELETE this chapter in its entirety.

**Chapter 3 General Requirements.** DELETE this chapter in its entirety.

**Chapter 4 Light, Ventilation and Occupancy Limitations.** DELETE this chapter in its entirety.

**Chapter 5 Plumbing Facilities and Fixture Requirements.** DELETE this chapter in its entirety.

**Chapter 6 Mechanical and Electrical Requirements.** DELETE this chapter in its entirety.

**Chapter 7 Fire Safety Requirements.** DELETE this chapter in its entirety.

**Chapter 8 - Referenced Standards.** DELETE this chapter in its entirety.



Ordinance 2025- Exhibit H

Amendments to the:  
**2024 International Wildland-Urban Interface Code**

**Chapter 1 Scope and administration.** REVISE chapter by DELETING Part 2-Administration and enforcement. (Deleted sections are administered by 2024 IBC, Chapter 1).

**Section 101.1 Title.** Insert: [name of jurisdiction] as “Pima County, AZ”.

**Section 101.2 Scope.** REVISE section by DELETING the first paragraph and REPLACING with the following:

This code shall apply only to areas designated rural forest village under the Pima County Comprehensive Plan and areas encircled thereby.

**Section 402.1.1 Access.** REVISE section by DELETING the word: “new” and capitalize the “s” in subdivision.

**Section 403.2 Driveways.** REVISE section by DELETING “of the first story” in the first sentence.

**Section 403.3 Fire apparatus access road.** REVISE section by DELETING the first two words of the first sentence “When required” and capitalize the “f” in fire. ADD the following to the end of the paragraph:

**Exception:** access roads as approved by the fire districts.

**Section 501.1 Scope.** REVISE section by REPLACING occurrences of “50 feet” with “10 feet” and REPLACING “120 square feet” with “200 square feet”.

**Section 602.1 General.** REVISE section by DELETING text and REPLACING with the following:  
Automatic sprinkler systems as required by fire district having jurisdiction.

**Section 604.1 General.** REVISE section by ADDING the following second sentence: “Defensible space maintenance shall be enforced by the fire district.”

**Adopt Appendix C Fire hazard severity form,** content of which to be approved by the fire district prior to acceptance for review.



Ordinance 2025- Exhibit I

Amendments to the:  
**2024 International Existing Building Code**

**Chapter 1 Scope and administration.** DELETE chapter 1 with the exception of sections 101.2 through 101.4, and 105.3 (Deleted sections are administered by 2024 IBC, Chapter 1).



Ordinance 2025 - Exhibit J

Amendments to the:  
**2024 International Swimming Pool and Spa Code**

**Chapter 1 Administration.** DELETE chapter 1 with the exception of sections 101, 102.7, 111, and 113. (Deleted sections are administered by 2024 IBC, Chapter 1).

**Section 301 Scope.** REVISE section by DELETING the word “public” in the first sentence and by DELETING the text “Chapter 4 through 10” and REPLACING with “Chapters 5 and Chapters 7 through 10.”

Add new Section 303.4 to read:

**Section 303.4 Pool, spa and hot tub covers.** All new and remodeled exterior installed swimming pools, spas and hot tubs shall be required to be provided with a cover to limit evaporation, prior to final inspection approval.

**Section 304 Flood Hazard Areas.** REVISE section by DELETING section in its entirety and REPLACING with the following: Pools and spas located in flood hazard areas require written authorization by the floodplain jurisdiction.

**Section 305.2 Outdoor swimming pools and spas.** REVISE first sentence by ADDING the following after the word “pools” and before the word “shall”:  
“or other contained body of water that contains water eighteen inches “18” or more in depth at any point and that is wider than eight feet at any point and is intended for swimming”.

**Section 306.3 Steps risers and treads.** REVISE section by DELETING the first sentence in its entirety.

**Section 306.4 Deck steps handrail required.** REVISE section by DELETING the first word of the sentence and capitalize the “p”.

**Section 306.9.1 Hose Bibbs.** REVISE section by DELETING all words after 102.7.1 and the exception.

**Section 307.1.2 Colors and finishes.** REVISE section by DELETING it in its entirety.

**Section 307. 1.4 Accessibility.** REVISE section by DELETING it in its entirety.

**Section 307. 2.4 Surface conditions.** REVISE section by DELETING it in its entirety.

**Section 310.2 Treatment and circulation system equipment.** REVISE section by DELETING it in its entirety.

**Section 312.2 System Design.** REVISE section by DELETING the second sentence and the exception in its entirety.



**Section 314.7 Emergency shutoff switch.** REVISE section by DELETING it in its entirety.

**Section 316.2 Required.** REVISE section by DELETING the first sentence, and exception #1 and renumbering exception #2 to #1.

**Section 316.2.1 Circulation system.** REVISE section by DELETING it in its entirety.

**Section 316.3 Skimmer sizing.** REVISE section by DELETING the Public pool line in Table 315.3 SKIMMER SIZING TABLE.

**Section 317.4.2 Access prohibited.** REVISE section by DELETING it in its entirety.

**Section 320 Sanitizing, oxidation equipment and chemical feeders.** REVISE section by DELETING it in its entirety.

**Section 321.1 Backwash water or draining water.** REVISE section by DELETING the first sentence and REPLACING it with the following. Backwash water and draining water shall be discharged in accordance with Pima County Regional Wastewater Reclamation Department (RWRD) Swimming Pool Water Discharge (General Guidance) [350872ee-4486-478b-b487-423b794a9e42 \(civicplus.com\)](#). If swimming pool water discharge is not through the sanitary sewer, it is allowed when:

1. Pool/spa owner's landscaping if and only if:
  - a. Water Stays on pool/spa owners' property and does not flow onto a neighbor's property
  - b. The flow does not cause erosion
  - c. The environment is not harmed
2. Paved Road with curb, storm drain, or wash if and only if:
  - a. Water does not flow onto a neighbor's property
  - b. Water does not cause any erosion of the drainage channels or washes
  - c. Water is non-toxic to the environment
3. Filter backwash requirements:
  - a. Water may be discharged onto pool/spa owner's property as long as it can be absorbed into the ground and does not flow onto a neighboring property, street or alley
  - b. Water may not be discharged offsite to streets or washes

**Section 322.1 General.** REVISE section by DELETING first sentence in its entirety.

**Section 322.2 Artificial lighting required.** REVISE section by DELETING it in its entirety.

**Section 322.3 Emergency illumination.** REVISE section by DELETING it in its entirety.

**Section 323.1 General.** REVISE section by DELETING the text "Chapter 4 through 10" and REPLACING with "Chapters 5 and Chapters 7 through 10".

**Section 324.2.1 Height.** REVISE section by DELETING the first sentence in its entirety.

**Chapter 4 Public Swimming Pools.** DELETE this chapter in its entirety.



**DEVELOPMENT SERVICES**

**Chapter 5 Public Spas and Public Exercise Spas.** REVISE chapter by DELETING all the words “Public” and REPLACING with “Residential”.

**Section 504 Pumps & Motors.** REVISE section by DELETING it in its entirety.

**Section 508 Safety features.** REVISE section by DELETING it in its entirety.

**Chapter 6 Aquatic Recreation Facilities.** DELETE this chapter in its entirety.

## **ORDINANCE NO. 2025-**

AN ORDINANCE OF PIMA COUNTY, ARIZONA; RELATING TO BUILDING AND CONSTRUCTION; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL RESIDENTIAL CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2023 NATIONAL ELECTRICAL CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL FUEL GAS CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL PROPERTY MAINTENANCE CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL WILDLAND-URBAN INTERFACE CODE WITH LOCAL AMENDMENTS (APPLICABLE ONLY TO AREAS DESIGNATED RURAL FOREST VILLAGE UNDER THE PIMA COUNTY COMPREHENSIVE PLAN AND AREAS ENCIRCLED THEREBY), ADOPTING BY REFERENCE THE 2024 INTERNATIONAL EXISTING BUILDING CODE WITH LOCAL AMENDMENTS; ADOPTING BY REFERENCE THE 2024 INTERNATIONAL SWIMMING POOL AND SPA CODE WITH LOCAL AMENDMENTS AMENDING CHAPTERS 15.04, 15.08, 15.12, 15.14, 15.16, 15.18 AND 15.20 OF THE PIMA COUNTY CODE TO REFLECT THE AMENDMENTS ADOPTED BY THIS ORDINANCE ALONG WITH PREVIOUSLY ADOPTED BOARD OF SUPERVISORS RESOLUTIONS.

WHEREAS, A.R.S. § 11-861 allows the adoption by reference of any building and other related codes that has been adopted by any national organization or association that is organized and conducted for the purpose of developing codes or that has been adopted by the largest city in the county; and

WHEREAS, The International Code Council, Inc. and the National Fire Prevention Association are national organizations or associations organized and conducted for the purpose of developing codes; and

WHEREAS, A.R.S. § 11-251(35) allows the adoption and enforcement of standards for shielding and filtration of commercial or public outdoor portable or permanent light fixtures in proximity to astronomical or meteorological laboratories; and

WHEREAS, the Pima County Board of Supervisors has adopted ordinances adopting building and construction related codes pursuant to A.R.S. § 11-861 and A.R.S. § 11-251(35); and

WHEREAS, A.R.S. § 28-8482 mandates the incorporation of sound attenuation standards in building codes; and

WHEREAS, A.R.S. § 11-268 allows for the adoption and enforcement of standards pertaining to the removal of rubbish, trash, weeds, filth, debris and dilapidated buildings; violations; classification; removal by county; costs assessed; collection; and priority of lien;

**NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF SUPERVISORS OF PIMA COUNTY, ARIZONA, AS FOLLOWS:**

**SECTION 1.** That Pima County adopt by reference the 2024 International Building Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit A and incorporated by this reference.

**SECTION 2.** That Pima County adopt by reference the 2024 International Residential Code, published by the International Code Council, Inc., Country Club Hills, IL, 2024, as amended by the local amendments, attached as Exhibit B and incorporated by this reference.

**SECTION 3.** That Pima County adopt by reference the 2023 National Electrical Code (NFPA 70), published by the National Fire Protection Association, Quincy, Ma., August 2023, as amended by the local amendments, attached as Exhibit C and incorporated by this reference.

**SECTION 4.** That Pima County adopt by reference the 2024 International Mechanical Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit D and incorporated by this reference.

**SECTION 5.** That Pima County adopt by reference the 2024 International Plumbing Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit E and incorporated by this reference.

**SECTION 6.** That Pima County adopt by reference the 2018 International Fuel Gas Code, published by the International Code Council, Inc., Country Club Hills, IL, 2017, as amended by the local amendments, attached as Exhibit F and incorporated by this reference.

**SECTION 7.** That Pima County adopt by reference the 2024 International Property Maintenance Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit G and incorporated by this reference.

**SECTION 8.** That Pima County adopt by reference the 2024 International Wildland-Urban Interface Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit H and incorporated by this reference.

**SECTION 9.** That Pima County adopt by reference the 2024 International Existing Building Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit I and incorporated by this reference.

**SECTION 10.** That Pima County adopt by reference the 2024 International Swimming Pool and Spa Code, published by the International Code Council, Inc., Country Club Hills, IL, 2023, as amended by the local amendments, attached as Exhibit J and incorporated by this reference.

**SECTION 11.** That Title 15 of the Pima County Code is amended to read as follows:

**Chapter - 15.04 Building Code**

...

**15.04.020 Codes Adopted.**

A. The Pima County building code, codified in this chapter, adopts by reference the ~~2018~~ 2024 International Building Code, published by the International Code Council, Inc., Country Club Hills, IL, in ~~2017~~ 2023, as amended by the local amendments attached to and incorporated into Ordinance ~~2018-30~~ 2025- as Exhibit A together with the following national and international codes:

1. The ~~2018~~ 2024 International Property Maintenance Code, as amended by Exhibit G attached to ~~2018-30~~ 2025- ;
2. The ~~2018~~ 2024 International Fuel Gas Code as amended by Exhibit F attached to Ordinance ~~2018-30~~ 2025- (See Chapter 15.18);
3. The ~~2018~~ 2024 International Plumbing Code, as amended by Exhibit E attached to Ordinance ~~2018-30~~ 2025- (See Chapter 15.20);
4. The ~~2018~~ 2024 International Mechanical Code, as amended by Exhibit D attached to Ordinance ~~2018-30~~ 2025- (See Chapter 15.16);
5. The ~~2017~~ 2023 National Electrical Code (NFPA 70), as amended by Exhibit C to Ordinance ~~2024-30~~ 2025- (See Chapter 15.08);
6. The ~~2018~~ 2024 International Residential Code, as amended by Exhibit B attached to Ordinance ~~2018-30~~ 2025- ;
7. The following provisions of the 1998 American National Standard Accessible and Usable Buildings and Facilities Code, published by the International Code Council, February 1998, as amended by the local amendments attached to and incorporated into Ordinance 2002-2 as Exhibit A, as amended by Ordinances 2002-66 and 2002-72: Chapter 1; Chapter 2; Chapter 3, Sections 301.1, 303.1, 303.2, 303.3, 308.1, 308.2.1, 308.3.1 and 309.3 only; Chapter 4, Sections 401.1, 402.1, 402.2, 403.5, 404.1, 404.2.5, and 404.2.7 only; Chapter 6, Sections 604.5, 607.4, 609.4 and Section 610 only; Chapter 10, Sections 1001.01, 1003.1, 1003.2, 1003.3, 1003.4, 1003.5, 1003.9 and 1003.11.2 only. Unless otherwise specifically indicated in Exhibit A to Ordinance 2002-2 as amended by Ordinances 2002-66 and 2002-72, adoption of a particular section of the said Code shall include adoption of all subsections thereof;
8. The ~~2018~~ 2024 International Wildland-Urban Interface Code, as amended by Exhibit H attached to Ordinance ~~2018-30~~ 2025- . The ~~2018~~ 2024 International Wildland-Urban Interface Code applies only to areas designated Rural Forest Village under the Pima County Comprehensive Plan and areas encircled thereby;
9. The ~~2018~~ 2024 International Existing Building Code, as amended by Exhibit I attached to Ordinance ~~2018-30~~ 2025-;
10. The ~~2018~~ 2024 International Swimming Pool and Spa Code, as amended by Exhibit J attached to Ordinance ~~2018-30~~ 2025- ;

B. The Pima County building code incorporates the following local ordinances and codes into the building code by reference:

1. The International Building Code Appendix F: Noise level reduction design and construction standards, Attached as Exhibit A to Ordinance 2008-119.

2. The 2012 City of Tucson/Pima County Outdoor Lighting Code, attached as Exhibit A to Ordinance 2012-14 (See Chapter 15.12).

...

**15.04.060 - Administrative appeal process.**

Whenever a violation of a building code is determined, whether during construction or at the plan review stage, and the applicant wishes to appeal the decision of the staff, because of code interpretation, unreasonable hardship or other acceptable reasons, the applicant may appeal to the building official in accordance with the procedures listed in Exhibit A, section 104.2.4 of Ordinance ~~2018-30~~ 2025- . If an appeal is denied by the building official, the applicant shall comply or appeal to the board of appeals of the county as in Section 15.04.070.

**Chapter - 15.08 Electrical Code**

**15.08.010 Adopted.**

The ~~2017~~ 2023 National Electrical Code (NFPA 70), published by the National Fire Protection Association, One Batterymarch Park, Quincy, MA, ~~2016~~ 2022 is adopted by reference as the electrical code of Pima County as amended by Exhibit C attached to Ordinance ~~2018-30~~ 2025- . The purpose of the code is the practical safeguarding of persons and property from the hazards arising from the use of electricity.

**Chapter - 15.16 Mechanical Code**

**15.16.010 Adopted.**

The ~~2018~~ 2024 International Mechanical Code, published by the International Code Council, Inc., Country Club Hills, IL, ~~2017~~ 2023 is adopted by reference as the mechanical code of Pima County as amended by Exhibit D attached to Ordinance ~~2018-30~~ 2025- ...

**Chapter - 15.18 Fuel Gas Code**

**15.18.010 Adopted.**

The ~~2018~~ 2024 International Fuel Gas Code, published by the International Code Council, Inc., Country Club Hills, IL, ~~2017~~ 2023 is adopted by reference as the fuel gas code of Pima County as amended by Exhibit F attached to Ordinance ~~2018-30~~ 2025- . The purpose of the code is to provide... .

**Chapter - 15.20 Plumbing Code.**

**15.20.010 Adopted.**

The ~~2018~~ 2024 International Plumbing Code, published by the International Code Council, Inc., Country Club Hills, IL, ~~2014~~ 2023 is adopted by reference as the plumbing code of Pima County as amended by Exhibit E attached to Ordinance ~~2018-30~~ 2025- . The purpose of the code is to provide...

**SECTION 12.** This ordinance is effective for permit applications initiated on or after January 1, 2026.

PASSED AND ADOPTED by the Board of Supervisors of Pima County, Arizona, this \_\_\_\_ day of \_\_\_\_\_, 2025.

PIMA COUNTY BOARD OF SUPERVISORS

\_\_\_\_\_  
Chairman, Pima County Board of Supervisors

ATTEST:

\_\_\_\_\_  
Clerk of the Board of Supervisors

REVIEWED BY:

APPROVED AS TO FORM:





\_\_\_\_\_  
Chief Building Official

\_\_\_\_\_  
Bobby Yu, Deputy County Attorney



Ordinance ~~2018-30~~ 2025- Exhibit A

Amendments to the:  
**2018 2024 International Building Code**

**Section 101.1 Title.** Insert:[name of jurisdiction] as “Pima County, AZ”.

**Section 101.2 Scope.** REVISE section by ADDING a second sentence to the exception as follows: “Home occupations conforming to Pima County Code Section 18.09.030(A) and classified as occupancy group B, F, M, S or U may comply with the *International Residential Code* without needing to meet additional requirements for live/work units.”

**Section 101.4 Referenced codes.** REVISE section by DELETING the paragraph and REPLACING it with the following:

The other codes listed in Sections 101.4.1 through 101.4.11, as locally amended, and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference.

**Section 101.4.3 Plumbing.** REVISE section by DELETING the last sentence.

**Section 101.4.4 Property maintenance.** REVISE section by DELETING all words following “...shall apply to existing structures and premises.”

**Section 101.4.5 Fire prevention.** REVISE section by DELETING the paragraph and REPLACING it with the following:

The provisions of the *International Fire Code* shall apply whenever referenced in this code or as deemed necessary by the Building Official. Enforcement of the Fire Code shall, however, be relegated to the fire jurisdiction having authority or to the designated responding fire department.

ADD new section 101.4.8 to read:

**Section 101.4.8 Electrical.** The provisions of the *National Electrical Code* shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

ADD new section 101.4.9 to read:

**Section 101.4.9 Outdoor lighting.** The provisions of the City of Tucson/Pima County Outdoor Lighting Code shall apply to all new construction, additions and alterations to land uses, developments, buildings, structures and light fixtures.

ADD new section 101.4.10 to read:

**Section 101.4.10 Pool and Spa.** The provisions of the *International Swimming Pool and Spa Code* shall apply to all private residential swimming pools.

ADD new section 101.4.11 to read:



**Section 101.4.11 Wildland-urban interface.** The provisions of the *International Wildland-Urban Interface Code* shall apply to areas designated Rural Forest Village under the Pima County Comprehensive Plan and areas encircled thereby.

**Section 103.1 Creation of enforcement agency. Insert: [name of jurisdiction] as “Pima County, AZ”.**

**Section 104.10 ~~2.4~~ Modifications.** REVISE section by ADDING the following to the end of the paragraph: Requests for modification shall be appealed to the Building Official as follows:

1. The applicant shall file a written appeal on the form provided by the Building Official and accompanied by a non-refundable fee (refer to the fee schedules adopted by the jurisdiction by separate ordinance).
2. Adequate information shall be provided by the applicant to fully describe the conditions in question.
3. The appeal will be considered by the Building Official within five (5) business days of receipt.
4. If an appeal is denied by the Building Official, the appellant must comply with the decision or may appeal to the Board of Appeals pursuant to Section 113 of this Code and Section 15.04.070 of the Pima County Code.

**Section 105.1 Required.** REVISE section by ADDING the following to the end of the paragraph: The provisions of this Code apply to regulated equipment and structures or improvements thereto in the unincorporated area of Pima County, east of the easterly boundary of the principal Tohono O’odham Reservation (not the San Xavier District). Buildings intended for assembly, commercial or industrial purposes shall comply with this Code, regardless of location unless exempted by State law.

Owners, builders, or authorized agents of buildings in otherwise exempted areas may, of their own volition, place themselves under the jurisdiction of this code by making application for and obtaining permits prior to construction.

**Section 105.1.1 Annual permit.** REVISE section by ADDING the following to the end of the paragraph: The applicant for the registered ~~plant~~ **facility** annual permit shall be an architect registered in the State of Arizona and who shall be directly responsible for compliance with this code with respect to all work, which would otherwise require a permit. This person ~~will need to~~ **shall** be approved by the Building Official. All new applications need to be accompanied by a complete set of plans ~~of~~ **outlining the** affected buildings with a scope of work and operations section clearly outlined. Annual registered ~~plant~~ **facility** permits shall not be granted for buildings or facilities not currently operating under a valid certificate of occupancy.

Fees for annual permits shall expire on December 31<sup>st</sup> of each year and will need to be renewed and approved for registered ~~plant~~ **facility** status to be maintained. The permit will be suspended if the registered and approved applicant becomes no longer employed by the registered ~~plant~~ **facility**. If this occurs, the ~~plant~~ **facility** ~~will need to~~ **shall** notify the Building Official and call for immediate inspection on any ongoing work until such time that a replacement registrant is approved by the Building Official. Annual permits may be revoked at any time by the Building Official when failing to comply with requirements.

A summary report of all work ~~done~~ **performed** under the registered ~~plant~~ **facility** registration shall be prepared by the registered architect and submitted annually to the Building Official. Work conducted under the registered ~~plant~~ **facility** annual permit may be reviewed and inspected by the Building Official while the work is in progress or on an annual basis.



The following work is not to be covered within the scope of the annual permit and shall require separate permitting:

1. Any work creating a different occupancy group for all or any portion of a building.
2. Any work creating a different building type for all or any portion of a building.
3. Any work which adds, alters, removes or penetrates required firewalls or barriers, exit courts, exit passageways or horizontal exits.
4. Any work which modifies load-bearing structures components of the structure.

**Section 105.2 Work exempt from permit (Building).** REVISE item number 1 by DELETING “120 square feet (11m<sup>2</sup>)” and REPLACING it with “200 square feet (18.58m<sup>2</sup>).”

REVISE item number 5 by ADDING a second sentence to read: “Water tanks no greater than 1000 gallons (3785.41 L), directly supported on grade, regardless of aspect ratio.”

REVISE item number 6 by DELETING the fragment “Sidewalks and driveways...” and REPLACING it with “Decks and non-structural flatwork...”

REVISE item number 9 by DELETING the phrase fragment “24 inches (610 mm)” and REPLACING it with “18 inches”.

REVISE the Building section by ADDING new items number 14 to 19 as follows:

14. Any work accomplished under the auspices of and owned and controlled by the United States of America or the State of Arizona.
15. Amusement devices or structures located on a site for no more than 30 calendar days.
16. Devices used in manufacturing, processing, or fabricating normally used ~~considered as involved~~ in industrial plants.
17. Tents or membrane structures provided the area does not exceed 400 square feet (37.16 m<sup>2</sup>) or 700 square feet (65.03 m<sup>2</sup>) if a minimum of two sides are open.
18. ~~Re-roofing~~ Replacement of roof covering for legally of existing buildings with similar materials regardless of value. Historic buildings must complete a historic review and approval prior to roofing installation.
19. Detached ramadas/gazebos not greater than 200 square feet (18.58 m<sup>2</sup>) and not containing any electrical, mechanical, plumbing or stairs.
20. Residential window and door replacements in buildings legally permitted. Existing safety glazed windows shall be replaced with safety glazed windows. Existing emergency escape and rescue windows shall be same size or larger as window being replaced. Historic buildings must complete an historic review and approval prior to window installation.

**Section 105.2 Work exempt from permit (Electrical).** REVISE the Electrical section by ADDING a new fourth paragraph section to read:

**Other items:**

1. Power for amusement devices and carnival rides in place on a site for less than 30 calendar days and not connected to a utility company’s facilities.
2. Repair or replacement of fixed motors and transformers of the same type and rating in the same location.
3. Repair or replacement of current-carrying parts of any switch, contactor, control device, or overcurrent device of the required capacity in the same location.

4. Electrical wiring, devices, appliances, apparatus or equipment operating at less than 25 volts and not capable of supplying more than 50 volt-amps of energy.
5. Devices used in manufacturing, processing or fabricating.

**Section 105.2 Work exempt from permit (Mechanical).** REVISE the Mechanical section by ADDING new item number 8 as follows:

8. Replacement of evaporative coolers with like coolers.

**Section 105.2 Work exempt from permit (Agricultural).** REVISE section by ADDING new paragraphs following the Plumbing section as follows:

**Agricultural Buildings:**

Agricultural buildings are exempt from Building Codes permitting requirements per A.R.S. § 11-865(A)(1). This section does not, however, exempt Agricultural buildings from permitting requirements for site outdoor lighting per ARS § 11-251(35).

Agricultural buildings containing separated uses, as defined by the Building Code, where the construction incidental to agriculture only occupies a portion of a mixed-use building, shall be provided with an exemption only for those construction portions incidental to agriculture. Those construction portions not incidental to agriculture shall not only require Building Codes permitting, but may require a rated occupancy separation from the exempt portion per the Building Code as follows:

Agricultural buildings are structures incidental to “Farming, dairy, agriculture, viticulture, horticulture, stock or poultry raising” [A.R.S. § 11-865(A)(1)]. This includes structures for the storage of equipment and materials incidental to the operation of agriculture such as tractors, combine harvesters and feed for the exclusive use of dairy or production animals. The definition, however, does not include any exemption for general animal care and housing facilities such as kennels, aviaries and riding stables. This means that buildings of an agricultural character (i.e.: pole barns or silos), are not eligible for agricultural buildings status if their use does not qualify for the exemption. The test for whether a building is an agricultural building depends on the use to which the building is put **intended**. The question is not determined by the physical similarity of the use of the building to uses done by farmers in other situations. The test is whether the particular building, or portion of a building, is used as part of, or incidental to, an agricultural function or whether it is used as part of an independent activity. Furthermore, to qualify for exempt status, agricultural buildings need to be located on agricultural real property as defined by A.R.S. §42-12151. In addition, agricultural real property classification will require that “the primary use of the property is as agricultural land...” along with the other caveats listed in A.R.S. §42-12152.

**Section 105.3 Application for Permit.** REVISE section by DELETING items 5 and 6.

**Section 105.3.2 Time limitation of application.** REVISE section by DELETING the phrase fragments “180 days” and “90 days” and respectively REPLACING these with “365 days” and “180 days”.

**Section 105.5 Expiration.** REVISE section by DELETING all occurrences of the phrase fragment “180 days” and REPLACING them with “365 days”; ADDING a sentence after the first sentence to read: “Such time periods shall be evidenced by a recorded inspection approval demonstrating progress”; DELETING the last sentence and REPLACING with the following: The extension shall be requested in writing, prior



to permit expiration and with justifiable cause demonstrated. Permit reinstatements and associated fees shall conform to the procedure on file with the Building Official.

**Section 107.3.2 Previous approvals.** REVISE section by DELETING the phrase fragment “180 days” and REPLACING it with “365 days” and ADDING new text at the end of the last sentence to read: “...as evidenced by a recorded inspection demonstrating progress.”

**Section 109.3 Building permit valuations.** DELETE this section in its entirety.

ADD new section 109.3 to read:

**Section 109.3 Model plans.** As defined by the Building Official. ~~When~~ two or more buildings, structures, or systems of regulated equipment are built without substantial modifications, ~~as defined by the Building Official,~~ an applicant may apply for a model plan permit. This permit shall be charged plan review fees with additional fees for each exterior design elevation. The number and type of accepted revisions/options per model plan shall be as determined by the Building Official.

A model plan approved by a jurisdiction having an Intergovernmental Agreement with Pima County may be accepted for approval by the Building Official and assessed an administrative fee of ~~twenty-five percent~~ (25%) of the building plan review fee.

**Section 109.4 Work commencing before permit issuance.** REVISE section by ADDING a new sentence at the end of the paragraph to read:

The additional fee shall be at least equal to 25% of the required building permit fee.

**111.2 Certificate issued.** REVISE section by ADDING a new sentence at the end of the section to read:

**Exception:** Approved final inspections for International Residential Code and group “U” occupancy structures shall constitute the certificate of occupancy.

ADD new section 111.3.1 to read:

**111.3.1 Occupancy bonds required.** Written assurance of compliance with this code, with the condition of temporary occupancy granted by the Building Official, and with the temporary occupancy time limit shall consist of a cash deposit or a performance bond in the penal sum of one thousand dollars (\$1,000.00) or the amount equal to one percent (1%) of the value, whichever is greater but not to exceed ten thousand dollars (\$10,000.00), payable to the jurisdiction and executed by a surety company qualified to execute surety bonds in the State. Each bond shall be joint and several and conditioned that the principal in the bond will faithfully conform to this code for which the temporary occupancy authorization is to be issued. The principal and surety named in such bond shall be jointly and severally bound unto the jurisdiction, and to any and every other person aggrieved or damaged by any breach of the condition of the bond. The bond shall not be void upon any recovery or recoveries totaling less than the whole penalty but may be used and recovered upon from time to time until the whole penalty is exhausted. The term of the obligation of such bond shall be for a period that the authorization is outstanding and may be held for thirty days thereafter when required by the Building Official, except that if at the expiration of said thirty days, the jurisdiction has reason to believe that there is an action or claim impending or that there is a legal action pending which relates to the bond, the jurisdiction shall retain the bond until final disposition of such matter or matters.

**Exception:** Owner built/owner occupied single family dwellings.

ADD new section 112.1.1 to read:



**112.1.1 Service conductors.** All service conductors, power and communication, shall be installed underground for all new construction. The requirement for underground conductors may be waived by the Building Official where:

1. Existing buildings on the block are served with overhead conductors or where a lot to be constructed upon is one of three or fewer abutting vacant lots making up less than 40 percent of the total acreage of the block (not including street or right-of-way) or where a vacant area is less than 60,000 square feet **(5574.18 square meters)**.
2. The installation, when compared to the use of overhead conductors, would create a hazard or not be feasible. A feasibility study will be required at the time the request for waiver is made.

ADD new section 112.2.1 to read:

**112.2.1 Temporary service bonds required.** Written assurance of compliance with this code and temporary connection time limit shall consist of a cash deposit or a performance bond in the penal sum of one thousand dollars (\$1,000.00) or the amount equal to one percent (1%) of the value, whichever is greater but not to exceed ten thousand dollars (\$10,000.00), payable to the jurisdiction and executed by a surety company qualified to execute surety bonds in the State. Each bond shall be joint and several and conditioned that the principal in the bond will faithfully conform to this code for which the temporary connection authorization is to be issued. The principal and surety named in such bond shall be jointly and severally bound unto the jurisdiction, and to any and every other person aggrieved or damaged by any breach of the condition of the bond. The bond shall not be void upon any recovery or recoveries totaling less than the whole penalty but may be used and recovered upon from time to time until the whole penalty is exhausted. The term of the obligation of such bond shall be for a period that the authorization is outstanding and may be held for thirty days thereafter when required by the Building Official, except that if at the expiration of said thirty days, the jurisdiction has reason to believe that there is an action or claim impending or that there is a legal action pending which relates to the bond, the jurisdiction shall retain the bond until final disposition of such matter or matters.

**Exception:** Owner built/owner occupied single family dwellings.

ADD new section 112.2.2 to read:

**112.2.2 Construction power.** Construction power is a privilege granted under the jurisdiction for convenience during construction. Construction power may be from either temporary power poles or through the permanent power panel. Each 120 Volt circuit used for construction power shall be GFCI protected. Construction power may be revoked at any time upon cause by the Building Official.

**Section 202 Definitions: Swimming Pool.** REVISE section by DELETING the fragment “24 inches (610 mm)” and REPLACING it with “18 inches” **(457 mm)**.

**Section 717.6.1 Through penetrations.** REVISE Exception 1 by ADDING “**or the floor/ceiling assembly**” after the word “wall” and before the word “and.”

**Section 717.6.2.1.2 Static systems.** REVISE section by ADDING new Exceptions 4 and 5.

4. Static ceiling radiation dampers shall be permitted to be installed in Dwelling Units with smoke alarms installed in accordance with the Building Code and activation of any smoke alarm within the Dwelling Unit shall shut down the system.
5. Static ceiling radiation dampers shall be permitted to be installed in Dwelling Units having a fire alarm system which has smoke detectors installed within the Dwelling Unit in accordance



with the Building Code requirements for smoke alarms. Activation of any smoke detector within the *Dwelling Unit* shall shut down the system in the *Dwelling Unit*.

**Section 1512 Reroofing.** REVISE section by DELETING Roof Replacement and REPLACE with Roof Covering Replacement.

**Section 1609.1.1 Determination of wind loads.** REVISE section by ADDING the following after the last paragraph:

Per the Basic Wind Speed Figures, use the following:

- Risk Category I – 100 mph (160.137 kph).
- Risk Category II – 105 mph (168.981 kph).
- Risk Category III – 110 mph (177.028 kph).
- Risk Category IV – 115 mph (185.075kph).

ADD new section 1609.56.1.1 to read:

**Section 1609.56.1.1 Uplift resistance to minimize microburst effects.** In addition to requirements in ASCE 7, minimum uplift resistance shall be determined by either method 1 or 2 below:

#### **1. Design-based wind uplift criteria**

Wind uplift requirements shall be determined by using the design wind values from the wind speeds listed in amended Section 1609.1.1 plus 5 mph (8.04672 kph) of 110 mph within Table 2308.7.5 for all components and cladding material for the continuous load path transmitting the uplift forces from the rafter or truss ties to the foundation.

#### **2. Prescriptive-based wind uplift criteria**

(Please note that the requirements of this section are in addition to those required for the structural connection of wood members).

##### **2.1. Conventionally-framed wood or cold-formed steel structures**

All bearing wall vertical connections shall be ~~elipped~~ connected with either by an approved structural sheathing or approved ~~elips~~ connector to provide a continuous load path from the joist or truss through the ledger or top plate to the bottom wall plate. Where ~~elips~~ connectors are used, they shall be minimum Simpson H2.5A (A34 at ledger), or equivalent have a minimum uplift load capacity of 500 lbs (226.796 kg) of configuration to match connection and spaced at intervals not to exceed 24 inch (610 mm). At openings, lower cripple studs do not require ~~elipping~~ connectors, but king/trimmer studs require double ~~elips~~ connectors at bottom, and upper cripples require both full ~~elipping~~ connectors to header as well as header to king stud. All platform framing requires either strapping listed for the purpose or continuous sheathing over rim joist from stud to stud vertically at each floor level. All non-bearing exterior walls shall be ~~elipped~~ connected as above except that the spacing may be extended not to exceed every other stud.

##### **2.2. Masonry or concrete structures**

If lateral design requires larger anchors or more conservative spacing, these may be used in lieu of those called out in this section.

##### **2.2.1. Roof bearing on wall top plate**

Top plates shall be secured to masonry or concrete walls with minimum 0.5 inch (13 mm)

anchor bolts embedded minimum 7 inch (180 mm) and spaced at intervals not to exceed 48 inch (1219mm). Each joist or truss shall be ~~elipped~~ connected to the plate at each bearing location with ~~minimum H2.5A~~ a metal connector having a minimum or equivalent uplift load capacity of 500 lbs (226.796 kg) and of configuration to match connection. Gable end joists or truss connectors shall also be ~~elipped~~ connected at intervals not to exceed 48 inch (1219 mm).

### 2.2.2. Roof bearing on wall ledger

~~Joists or trusses bearing on a wall ledger shall be secured to masonry or concrete walls with minimum Simpson PA123 purlin anchors or equal with equivalent load capacity listed for the application and embedded into wall per listing installed in accordance with the manufacture's installation requirements, and at intervals not to exceed 48" (1219 mm). Nonbearing roof diaphragm edges shall have the outermost joist or truss likewise anchored to the wall through blocking.~~

Joists or trusses bearing on a wall ledger shall be secured to masonry or concrete walls with metal strap purlin anchors of 800 lbs (362.874 kg minimum capacity (ASD) installed in accordance with the manufacture's installation requirements, and at intervals not to exceed 48 inch (1219 mm). Nonbearing roof diaphragm edges shall likewise be anchored to the wall but with the metal strap purlin anchor connected to a one framing bay or 24 inch (610 mm) minimum length of blocking, whichever is greater.

### 2.3. Structural steel structures

Structural steel buildings shall have roof members attached by either welds, bolts, screws or other similarly approved connections at intervals not to exceed 48 inch (1219 mm). Ledger designs shall connect to roof trusses with strapping listed for the purpose at intervals not to exceed 48 inch (1219 mm). on all diaphragm sides. If lateral design requires larger anchors or more conservative spacing, ~~these may be~~ the lateral design requirements shall be used in lieu of those called out in this section.

ADD new Section 1610.1.1 to read:

**Section 1610.1.1 Presumptive active pressure:** For typical unsaturated soils in Pima County, a presumptive active lateral pressure of 35 psf (170.88 kgf/m<sup>2</sup>) per foot (meter) of depth may be used without a geotechnical report for walls not exceeding 7 feet (2.133 m) feet in height, from top of footing. Level backfill is assumed with this active pressure. Surcharges shall be applied as necessary.

**Section 1612.3 Establishment of flood hazard areas.** Insert: [name of jurisdiction] as "The Flood Insurance Study for the Unincorporated Areas of Pima County, Arizona"; and insert:[date of issuance] as "February 15, 1983."

**Section 1705.4 Masonry construction.** REVISE section by ADDING a new exception 4 as follows:

**Exception 4:** Nonessential facilities designed in accordance with Section 2107 with allowable masonry stresses reduced by one-half and the maximum value of f<sub>m</sub> limited to 1500 psi (10342136 pascals) for concrete or clay masonry. The following limitations shall apply to this exception:

1. The unsupported height (or length)-to-thickness ratio of a building wall shall not exceed 20.

2. The soil retaining height for a retaining wall shall not exceed 4 feet-0 inch (**1219 mm**) measured from the top of footing for an 8-inch (**203.2 mm**)-thick wall or 6 feet-0 inch (**1828 mm**) for a 12-inch (**305 mm**)-thick wall.

3. The height-to-thickness ratio shall not exceed 10 for a cantilevered masonry fence or combination masonry fence and retaining wall as measured from the top of footing to the top of wall. If a combination retaining/fence wall consists of more than one wall thickness, the smallest thickness shall be used in determining the height-to-thickness ratio.

Any portion or portions of a structure in which the design masonry stresses exceed one-half the allowable masonry stresses, shall require Special Inspection for that portion or portions of the structure.

ADD NEW section 1806.2.1 to read:

**Section 1806.2.1 Presumptive coefficient of friction:**

For typical unsaturated soils in Pima County, a presumptive coefficient of friction of 0.30 for lateral sliding resistance may be used without a geotechnical report. Friction resistance may be used in conjunction with passive pressure to resist sliding forces.

**Section ~~2308.7.5~~ **2308.11.4** Wind uplift.** REVISE section by DELETING first sentence and REPLACING with the following:

Uplift resistance shall comply with section 1609.~~56~~.1.1.

**Section 3109 Swimming pools, spas, and hot tubs.** DELETE section and subsections and REPLACE with: The design and construction of Public and Semipublic pools, spas, and hot tubs shall comply with Arizona Administrative Code, Title 18, Chapter 5, Article 2. Public and Semipublic Swimming Pools and Spas as well as A.R.S. § 36-1681 is hereby adopted by reference and subject to the requirements of this code.

Adopt Appendix A: Employee qualifications and Appendix I: Patio covers.

Add NEW section A101.5 to read:

**Section A101.5. As determined by the Appointing Authority.**



Ordinance 20182025- Exhibit B

Amendments to the:  
**20182024 International Residential Code**

**Chapter 1 Scope and Administration.** REVISE chapter by DELETING Section R102 Applicability and Part 2- Administration and Enforcement. (Deleted sections are administered by 20182024 IBC, Chapter 1).

**Section R101.1 Title.** Enter [Name of Jurisdiction] as “Pima County, AZ”.

**Table R301.2(4) Climatic and geographic design criteria.** INSERT as follows:

Ground Snow Load	Less 4000 ft 0 psf ( <u>0 kgf/m<sup>2</sup></u> ) 4 to 5000 ft 20 psf ( <u>97.65 kgf/m<sup>2</sup></u> ) 5 to 7000 ft 40 psf ( <u>165.297 kgf/m<sup>2</sup></u> ) 7 to 8000 ft 60 psf ( <u>292.945 kgf/m<sup>2</sup></u> ) Over 8000 ft 80 psf ( <u>390.594 kgf/m<sup>2</sup></u> )
Topographic Effects	As Required
Wind Speed	<del>44</del> <u>105</u> mph ( <u>168.981 kph</u> ) 3 second gust
Seismic Design	<del>Category B (areas west of the Tohono O’odham Reservation shall Use Category C)</del> <u>Category B</u>
Weathering	Up to 4000 ft ( <u>1219.2 m</u> )-Negligible Above 4000 ft ( <u>1219.2 m</u> )-Moderate
Frost Line Depth	Up to 4000 ft ( <u>1219.2 m</u> )-0 in ( <u>mm</u> ) Above 4000 ft ( <u>1219.2 m</u> )-24 in ( <u>610 mm</u> )
Termite	Moderate to Heavy
Winter Design Temperature	Refer to N1101.09.1
Flood Hazards	NFIP: February 15, 1983 FIRM: June 16, 2011 for all areas except for an area around Agua Caliente Wash September 28, 2012 for an area around Agua Caliente wash

**Section R302.1 Exterior Walls.** REVISE section by DELETING text and tables and REPLACING with the following:

Exterior walls with a fire separation distance less than 3 feet (914mm) shall have not less than a one-hour fire-resistive rating with exposure from both sides. Projections shall not extend to a point closer than 2 feet



(610 mm) from the line used to determine the fire separation distance. Projections extending into the fire separation distance shall have not less than one-hour fire-resistive construction on the underside. The above provisions shall not apply to walls which are perpendicular to the line used to determine the fire separation distance.

**Exceptions:**

1. Detached garages accessory to a dwelling located within 2 feet **(610 mm)** of a lot line may have roof eave projections not exceeding 4 inches **(102 mm)**.
2. Tool and storage sheds, playhouses, ramadas and similar structures exempted from permits are not required to provide wall protection based on location on the lot. Projections beyond the exterior wall shall not extend over the lot line.

ADD new section R302.1.1 to read:

**Section R302.1.1 Openings.** Openings shall not be permitted in the exterior wall of a dwelling with a fire separation distance less than 3 feet **(914 mm)**. This distance shall be measured perpendicular to the line used to determine the fire separation distance.

**Exception:**

1. Penetrations shall be permitted in walls that are perpendicular to the line used to determine the fire separation distance.
2. Foundation vents installed in compliance with this code are permitted.

**Section R313 ~~R309~~ Automatic Fire-Sprinkler Systems.** DELETE section in its entirety.

**Section R309.5 ~~R317.5~~ Fire sprinklers.** DELETE section in its entirety.

**Section R303.10 Required heating.** ~~REVISE section by ADDING exception to read:~~

~~**Exception:** Spaces able to maintain 60°F at a point 3 feet above the floor and 2 feet from exterior walls in all habitable rooms over a 48-hour period as demonstrated by section N1105 Simulated Performance Alternative.~~

**Section R325 Light, Ventilation and Heating.** REVISE section by DELETING the word heating and REPLACE with Temperature Control.

**Section R303.5.1 ~~R325.4.1~~ Intake openings.** REVISE section by ADDING an exception to read:

**Exception:** Replacement of existing evaporative coolers where the building official determines that the replacement does not constitute a high degree of hazard.

**Section ~~R303.10~~ R325.8 Required heating.** REVISE Section by ADDING an Exceptions 1 and 2 to read:

**Exceptions:**

1. Interior spaces where the primary purpose is not associated with human comfort.
2. Interior spaces able to maintain 60°F (15.6°C) at a point 3 feet (914 mm) above the floor and 2 feet (6096 mm) from exterior walls in all habitable rooms over a 48 hour period as demonstrated by Section N1105 Simulated Performance Alternative.

Add new section 325.9 to read:



**Section R325.9 Cooling system.** Dwelling units and sleeping units located in Climate Zones 0, 1, 2, 3, 4, 5A, and 5B, where the summer dry-bulb temperature is greater than 85°F (29.4°C), shall be provided with cooling systems capable of maintaining an indoor temperature at or below 80°F (26.7°C) in the occupied space. Where permanently installed fans are capable of generating 120 fpm (0.6 m/s) air speed inside the occupied space, the required cooling system shall be capable of maintaining indoor temperature at or below 85°F (29.4°C). The installation of one or more portable systems shall not be used to achieve compliance with this section.

Exception: Interior spaces where the primary purpose is not associated with human comfort.

**Section R506.3.3 Vapor retarder.** REVISE section by DELETING Exception #4 and REPLACING with the following:

4. Where designed by a qualifying *registered design professional*, based on soil conditions and floor finishing such as exposed concrete surfaces.

**Section R606.6.4.2.1 Roof structures.** REVISE section by DELETING section in its entirety and ADDING the following:

Masonry walls with ledgers shall be anchored to roof structures with metal strap purlin anchors of 800 lb (363 kg) minimum capacity (ASD) installed in accordance with the manufacture's installation requirements, and at intervals not to exceed 48 inch (1219 mm).

Top plates shall be secured to masonry or concrete walls with minimum 0.5 inch (13 mm) embedded anchor bolts spaced at intervals not to exceed 48 inch (1219 mm). Each joist or truss shall be connected to the plate at each bearing location with a connector with a minimum of 500 lbs (227 kg) uplift load capacity and configuration to match connection. Gable end joists or trusses shall also be clipped connected at intervals not to exceed 48 inch (1219 mm).

**Section R606.6.4.2.2 Floor diaphragms.** REVISE section by DELETING section in its entirety and ADDING the following:

Masonry walls with ledgers shall be anchored to floor structures with metal strap purlin anchors of 800 lb (363 kg) minimum capacity (ASD) installed in accordance with the manufacture's installation requirements, and at intervals not to exceed 48 inch (1219 mm).

**Section R802.11.1 Uplift resistance.** REVISE section by DELETING section in its entirety and ADDING the following:

Uplift resistance to minimize microburst effects shall be determined by either method 1 or 2 below:

#### **1. Design-based wind uplift criteria**

Wind uplift requirements shall be determined by using the design wind value of ~~445~~ **110 mph (177.028 kph)** 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**

(Please note that the requirements of this section are in addition to those required for the structural connection of wood members).

##### **2.1. Conventionally-framed wood or cold-formed steel structures**



All bearing wall vertical connections shall be ~~elipped~~ **connected** with either **by an** approved structural sheathing or approved **elips connector** to provide a continuous load path from the joist or truss through the ledger or top plate to the bottom wall plate. Where **elips connectors** are used, they shall be ~~minimum Simpson H2.5A (A34 at ledger), or equivalent~~ **have a minimum uplift** load capacity **of 500 lbs (227 kg)**, of configuration to match connection and spaced at intervals not to exceed 24 inch **(610 mm)**. At openings, lower cripple studs do not require ~~elipping~~ **connectors** but king/trimmer studs require double **elips connectors** at bottom and upper cripples, require both full ~~elipping~~ **connectors** to header as well as header to king stud. All platform framing requires either strapping listed for the purpose or continuous sheathing over rim joist from stud to stud vertically at each floor level.

All non-bearing exterior walls shall be ~~elipped~~ **connected** as above except that the spacing may be extended not to exceed every other stud.

## **2.2. Masonry or concrete structures**

If lateral design requires larger anchors or more conservative spacing, these may be used in lieu of those called out in this section.

### **2.2.1. Roof bearing on wall top plate**

Top plates shall be secured to masonry or concrete walls with minimum 0.5 inch **(13 mm)** embedded anchor bolts spaced at intervals not to exceed 48 inch **(1219 mm)**. Each joist or truss shall be ~~elipped~~ **connected** to the plate at **each** bearing **location** with minimum Simpson H2.5A or equivalent **uplift** load capacity **of 500 lbs (227 kg)** and configuration to match connection. Gable end joists or trusses shall also be ~~elipped~~ **connected** at intervals not to exceed 48 inch **(1219 mm)**.

### **2.2.2. Roof bearing on wall ledger**

~~Joists or trusses bearing on a wall ledger shall be secured to masonry or concrete walls with minimum Simpson PA123 purlin anchors or equal with equivalent load capacity listed for the application and embedded into wall per listing installed in accordance with the manufacture's installation requirements, and at intervals not to exceed 48" (1219 mm). Nonbearing roof diaphragm edges shall have the outermost joist or truss likewise anchored to the wall through blocking.~~

**Joists or trusses bearing on a wall ledger shall be secured to masonry or concrete walls with metal strap purlin anchors of 800 lb (363 kg) minimum capacity (ASD) installed in accordance with the manufacture's installation requirements, and at intervals not to exceed 48 inch (1219 mm). Nonbearing roof diaphragm edges shall likewise be anchored to the wall but with the metal strap purlin anchor connected to a one framing bay or 24 inch minimum length of blocking, whichever is greater.**

## **2.3. Structural steel structures**

Structural steel buildings shall have roof members attached by either welds, bolts, screws or other similarly approved connections at intervals not to exceed 48 inch **(1219 mm)**. Ledger designs shall connect to roof trusses with strapping listed for the purpose at intervals not to exceed 48 inch **(1219 mm)** on all diaphragm sides. If lateral design requires larger anchors or more conservative spacing, ~~these may be~~ **the lateral design requirements shall be** used in lieu of those called out in this section.

**Chapter 11 Energy Efficiency. DELETE Chapter in its entirety and REPLACE with the following: Residential buildings regulated by this code shall comply with the International Energy Conservation**



Code (IECC) as adopted and amended per Pima County Ordinance 2018-30 Exhibit G. References to Chapter 11 in other sections of this code shall be for reference to the corresponding IECC Section(s) only.

~~Section N1101.4 (R102.1.1) (R104.1.1) Above code programs.~~ REVISE section by ADDING the following at the end of the paragraph:

Compliance with the Net-Zero Energy Standard shall be deemed to comply with this code.

ADD new section N1101.9.1 (R302.2) to read:

~~Section N1101.09.1 (R302.2) Exterior design conditions.~~

Pima County Arizona				
CONDITION		West of the easterly boundary of the principal Tohono O'odham Reservation	Under 4,000 feet elevation	4,000 feet elevation & above
Winter	Design Dry Bulb Temp	36°F (2.22°C)	35°F (1.67°C)	4°F (-15.56°C)
Summer	Design Dry Bulb Temp	107°F (41.67°C)	105°F (40.56°C)	90°F (32.22°C)
	Design Wet Bulb Temp	69°F (20.56°C)	66°F (18.89°C)	61°F (16.11°C)
Climate zone		2B	2B	5B

~~Table N1102.1.4 (R402.1.4) U-Factor alternative~~ **N1102.1.2 (R402.1.2) Maximum Assembly U-Factors and Fenestration Requirements.** REVISE the section table by ADDING the following to the end of footnote b:

In climate zone 2, an un-insulated earth mass wall with a maximum U-factor of 0.14 shall be deemed in compliance (for computing the U-factor, an R-value of 0.3 per inch shall be used for adobe and rammed earth).

~~Section N1102.4.1.2 (R402.4.1.2) N1102.5.1.2 (R402.5.1.2) Air leakage Ttesting.~~ REVISE section by DELETING the third sentence and REPLACING 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 other *approved* agencies.

**Section N1104.2 (R404.2) Interior lighting Controls.** REVISE Section by DELETING Section in its entirety.

**Section N1104.3 (R404.3) Exterior Lighting Controls.** REVISE Section by DELETING Section in its entirety.

**Section M1411.39 Condensate disposal.** REVISE section by ADDING the following at the end of the paragraph:

Condensate disposal shall be allowed to terminate as follows:

1. At or below grade outside the building in an area capable of absorbing the condensate flow without surface drainage.



2. Over roof drains or gutters or downspouts that connect to drainage pipes, provided they terminate at or above grade in an area capable of absorbing the condensate flow without surface drainage.

ADD new Section M1413.2 to read:

**Section M1413.2 Water conservation.** Evaporative cooling systems shall be provided with a recirculating water system. Any bleed off rate used by the system shall be limited to that recommended by the manufacturer. Once-through evaporative cooling systems using potable water shall not be permitted.

**Section P2602.1 General.** ~~REVISE section by DELETING last sentence of paragraph 2.~~

ADD new section P2602.1.1 to read:

**Section P2602.1.1 Individual metering in new dwelling units.** The water supply to all dwelling units shall be individually metered. The metering may be private or utility installed.

**Section P2603.5.1 Sewer depth.** INSERT [number] as “12 inch (30.5 cm) in both locations, and below frost depth above 4000 feet (1219.2 m) elevation.”

~~**Section P2801.6.1 Pan size and drain.** REVISE section by ADDING the following at the end of the second sentence: “A drain shall not be required for replacement water heaters in locations where no previously installed drain is available or when water heater is installed in a garage.”~~

**Table 2903.2 Maximum flow rates and consumption for plumbing fixtures and fixture fittings. REVISE the table as follows:**

<b><u>Plumbing Fixture or Fixture Fitting</u></b>	<b><u>Maximum Flow Rate or Quantity (b)</u></b>
<u>Lavatory faucet</u>	<u>1.5 gpm at 60 psi (419.7 kPa)</u>
<u>Showerheads<sup>a</sup></u>	<u>2.0 gpm at 80 psi (551.6 kPa)</u>
<u>Sink faucet</u>	<u>1.8 gpm at 80 psi (551.6 kPa)</u>
<u>Water closet</u>	<u>1.28 gallons/flush</u>

**Section P2904.1.1 Required sprinkler locations.** REVISE section by DELETING the first sentence and REPLACING with the following: “Sprinklers are not required within dwelling units. This section serves as a guide for voluntary installation or to allow for a fire separation reduction within sections R302.2 and R302.3.”

**Section P3008.1 Where Required.** REVISE section by DELETING paragraph and ADDING new text to read:

Where the finish floor elevation is less than 12 inch (304.8 mm) above the elevation of the next upstream manhole cover in the sewer, a backwater valve shall be installed in the building drain or branch of the building drain serving that floor. Floors discharging from above that reference point shall not discharge through the same backwater valve.

**Section P3008.2 Allowable installations.** DELETE section in its entirety.

**Section P3009 ~~Subsurface landscape Irrigation Systems~~ Greywater Soil Absorption System.** Delete section in its entirety. Shall comply with Arizona Administrative Code Title 18, Chapter 9.



**Section E3705.2 Correction Factor for ambient temperatures. REVISE section by ADDING the following:**

**E3705.2.1. The ambient temperature for application of Table 3705.2 [310.5 9B)(1)] for outdoor installations shall be not less than 45° C (113° F).**

ADD new section E3703.8 to read:

**Section E3703.8 Dishwasher and Garbage Disposer Branch Circuits – Dwelling Units.** In residential occupancies, dishwasher and garbage disposer may be on the same 20-ampere branch circuit.

ADD new section ~~E3802.9~~ **3802.10** to read:

**Section ~~E3802.9~~ 3802.10 Earthen material wiring method.** Type UF Cable shall be permitted to be used in mortar joints of adobe construction in occupancies where the use of Nonmetallic Sheathed Cable is permitted by this code.

Adopt Appendix Q **BB**: Tiny Houses.

**Section A ~~Q~~ **BB** 103.1 Minimum ceiling heights.** REVISE section by ADDING the following after the first sentence: “For rooms with sloped ceilings, at least 50 percent of the floor area of the room must have a ceiling height of at least 6 feet 8 inches (2032 mm) and no portion of the floor area of the room may have a ceiling height of less than 5 feet (1524 mm).”

Adopt Appendix H **BF**: Patio Covers.

Adopt Appendix R **BI**: Light Straw-Clay Construction.

Adopt Appendix S **BJ**: Strawbale Construction.

**Adopt Appendix BK: Cobb Construction (Monolithic Adobe).**

**Adopt Appendix BM: 3D-Printed Building Construction.**

Adopt Appendix T **NB Solar-Ready Provision – Detached One and Two-Family Dwellings and Townhomes.**

**Adopt Appendix NE Electric Vehicle Charging Infrastructure.**



Ordinance ~~2018~~**2025**- Exhibit C  
Amendments to the:  
~~2017~~**2023** National Electrical Code

**Section 210.5 Identification for branch circuits.** REVISE section by DELETING section (C)(1) and REPLACING it with the following:

**(C)(1) Ungrounded Circuit conductors.** Branch circuits shall ~~conform~~ **be identified by color coding that conforms** 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>Grounded 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

Exception No. 1: The above color-coding is not required in residential occupancies.

Exception No. 2: Industrial occupancies holding a Registered ~~Plant~~ **Facility** Permit may use their own coding system.

Exception No. 3: Additions to an existing electrical system, where an acceptable color-coding system exists, the existing color-coding system shall be continued.

**Section 210.11(C) Dwelling units.** REVISE section by ADDING Item (5) to read:

**(5) Dishwasher and garbage disposer branch circuits-dwelling units.** In residential occupancies, dishwasher and garbage disposer may be on the same 20-ampere branch circuit.

**Section 215.12 Identification for Feeders.** REVISE section by DELETING section (C)(1) and REPLACING it with the following:

**(C)(1) Circuit conductors.** Branch circuits shall **be identified by color coding that conforms 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>Grounded Conductor</u>
<u>120/208</u>	<u>3</u>	<u>WYE</u>	<u>Black</u>	<u>Red</u>	<u>Blue</u>	<u>White</u>
<u>277/480</u>	<u>3</u>	<u>WYE</u>	<u>Brown</u>	<u>Orange</u>	<u>Yellow</u>	<u>Grey</u>
<u>120/240</u>	<u>3</u>	<u>DELTA</u>	<u>Black</u>	<u>Orange</u>	<u>Red</u>	<u>White</u>

**Exception No. 1: The above color-coding is not required in residential occupancies.**



Exception No. 2: Industrial occupancies holding a Registered Facility Permit may use their own coding system.

Exception No. 3: Additions to an existing electrical system, where an acceptable color-coding system exists, the existing color-coding system shall be continued.

**Section 225.32 ~~225.31(B)~~ Location.** REVISE section by ADDING the following:

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.

**Section 230.70(B) Marking.** REVISE this section by ADDING the following to the end of the sentence: The markings shall be of sufficient durability to withstand the environment involved. Identifying labels required for disconnecting means shall have engraved or raised letters and be secured by screws or rivets (plastic tape shall not be considered durable material).

**Section 310.15 Ampacity Tables.** REVISE section by ADDING the following:

**310.15 (B)(3) Outdoor Ambient Temperature.** The ambient temperature for application of Tables 310.15 (B)(1)(1) and 310.15 (B)(1)(2) for outdoor installations shall be not less than 45° C (113° F).

**Section 340.10 Uses permitted.** REVISE section by ADDING new item ~~(8)~~ **(7)** to read:

~~(8)~~ **(7)** Type UF Cable shall be permitted to be used in mortar joints of adobe construction in occupancies where the use of Nonmetallic Sheathed Cable is permitted by this code.



Ordinance 2018 ~~2025~~- Exhibit D

Amendments to the:  
**2018 ~~2024~~ International Mechanical Code**

**Chapter 1 Administration.** DELETE chapter 1 with the exception of section 407 111 Inspections and Testing. (Deleted sections are administered by 2018 ~~2024~~ IBC, Chapter 1).

**Section 307.2.1.1 Condensate discharge.** REVISE section by ADDING the following at the end of the paragraph:

Condensate disposal shall be allowed to terminate as follows:

1. At or below grade outside the building in an area capable of absorbing the condensate flow without surface drainage.
2. Over roof drains or gutters or downspouts that connect to drainage pipes, provided they terminate at or above grade in an area capable of absorbing the condensate flow without surface drainage.

**Section 309.1 Space-heating systems.** REVISE section by DELETING the entire section and REPLACE with the following:

**Section 309.1 Heating and cooling systems.** Interior spaces intended for human occupancy shall be provided with active or passive heating and cooling systems capable of maintaining an indoor temperature between 68F (20C) and 90F (32C) at a point 3 feet (914 mm) above the floor. The installation of portable heaters or coolers shall not be used to achieve compliance with this section.

Exceptions:

1. Space heating and cooling systems are not required for interior spaces where the primary purpose is not associated with human comfort.
2. Group F, H, S, and U occupancies.

Add new section 309.2 to read:

**Section 309.2 Cooling system.** Dwelling units and sleeping units located in Climate Zones 0, 1, 2, 3, 4, 5A, and 5B, where the summer dry-bulb temperature is greater than 85°F (29.4°C), shall be provided with cooling systems capable of maintaining an indoor temperature at or below 80°F (26.7°C) in the occupied space. Where permanently installed fans are capable of generating 120 fpm (0.6 m/s) air speed inside the occupied space, the required cooling system shall be capable of maintaining indoor temperature at or below 85°F (29.4°C). The installation of one or more portable systems shall not be used to achieve compliance with this section.

Exception: Interior spaces where the primary purpose is not associated with human comfort.

**Section 401.4 Intake opening location.** REVISE section by ADDING an exception to read:

**Exception:** Replacement of existing evaporative coolers where the building official determines that the replacement does not constitute a high degree of hazard.



**Table 403.3.1.1 Minimum Ventilation Rates.** REVISE table by DELETING the Outpatient healthcare facilities section of the table and footnotes i and j.

**Section 403.3.2 Group R-2, R-3, and R-4 occupancies.** REVISE section by DELETING all instances of “and R-4.”

**Section 407 Ambulatory Care Facilities and Group 1-2 Occupancies.** REVISE section by DELETING the entire section and REPLACE with the following:

**Section 407 Healthcare Facilities**

**407.1 General.** Mechanical ventilation for healthcare facilities shall be designed and installed in accordance with this code, ASHRAE 170/ASHE and NFPA 99. Healthcare facilities include I-1, I-2, and R-4 occupancies along with freestanding birth centers, urgent care centers, neighborhood clinics and physicians’ offices, Class 1 imaging facilities, outpatient healthcare facilities, outpatient psychiatric facilities, outpatient rehabilitation facilities, and outpatient dental facilities.

**Exceptions:**

1. Existing healthcare facilities that are being remodeled and the occupancy classification does not change shall meet the requirements of Section 403 or 407.

**407.2 Mixed Occupancies.** If no functionally equivalent spaces exist in ASHRAE 170/ASHE and NFPA 99, ventilation requirements shall be obtained from Section 403. Where spaces with prescribed rates in both ASHREA 170/ASHE or NFPA 99 and Section 403 of this code exist, the higher of the two airflow rates shall be provided.

Add new section to read.

**Section 408 Marijuana Related Occupancies.**

**Section 408.1 General.** General. Marijuana related occupancies includes growing, drying, processing, cooking, storage, and sales of any marijuana or cannabis related products.

**Section 408.2 Exhaust and ventilation systems.** Exhaust and ventilation systems. All marijuana related occupancies shall meet one of the following paths:

1. Prescriptive path for exhaust and ventilation as described in Section 408.2.1.
2. Engineered exhaust and ventilation system as described in Section 408.2.2.

**Section 408.2.1 Prescriptive exhaust and ventilation requirements.**

**Section 408.2.1.1 Exhaust systems.** All marijuana related occupancies must be installed to the following requirements:

1. A minimum negative pressure of 0.01 inch w.c. relative to the building exterior and to adjacent spaces without marijuana related product.
2. A minimum exhaust rate of 0.2 cfm/sf of floor area or the greater as require by Section 403 or the International Fire Code.



3. Exhaust air must be treated with chemical absorption filters, such as activated charcoal prior to discharge. These filters shall have an airflow velocity across the face area of the filter that does not exceed 350 feet per minute.
4. Exhaust outlet locations shall meet the requirements of Section 501.3.1.2 for other product conveying outlets.

**Section 408.2.1.2 Ventilation systems.** All marijuana related occupancies must be installed to the following requirements:

1. A minimum of 1 cfm/sf of floor area of continuous recirculation air that is provided with a minimum MERV 8 filters and chemical absorbing filters such as activated carbon filters.
2. A design airflow velocity across the face of the chemical absorbing filters shall not exceed 350 feet per minute.

**Section 408.2.2 Engineered exhaust and ventilation system.** An approved engineered system must provide equivalent ventilation and dilution of product and production chemicals as the prescriptive method. This requirement is not intended to supersede structural, mechanical, or fire code or requirements set by other state or federal agencies such as hazardous materials ventilation and control.

**Section 607.6.1 Through penetrations.** REVISE Exception 1. by ADDING “or the floor/ceiling assembly” after the word “wall” and before the word “and”

**Section 607.6.2.1.2 Static systems.** REVISE section by ADDING new Exceptions 4 and 5.

4. Static ceiling radiation dampers shall be permitted to be installed in Dwelling Units with smoke alarms installed in accordance with the Building Code and activation of any smoke alarm within the Dwelling Unit shall shut down the system.
5. Static ceiling radiation dampers shall be permitted to be installed in Dwelling Units having a fire alarm system which has smoke detectors installed within the Dwelling Unit in accordance with the Building Code requirements for smoke alarms. Activation of any smoke detector within the Dwelling Unit shall shut down the system in the Dwelling Unit.

**Section ~~403.3.1.5~~ 608.1 Balancing.** REVISE section by DELETING the second sentence and REPLACING it with the following:

Ventilation systems shall be balanced by individuals holding current certification from the Associated Air Balance Council (AABC), the National Environmental Balancing Bureau (NEBB) or other *approved* agencies.

ADD new section 928.2 to read:

**Section 928.2 Water conservation.** Evaporative cooling systems shall be provided with a recirculating water system. Any bleed off rate used by the system shall be limited to that recommended by the manufacturer. Once-through evaporative cooling systems using potable water shall not be permitted.

ADD new section 930 **932.1** to read:

**Section 930 932.1 Water cooled refrigeration/heat removal systems—water conservation.** A water-cooled refrigeration system or heat removal system, (defined as refrigeration or heat removal system using



water, all, or in part, for condensing a refrigerant), shall not discharge more than three gallons of water per nominal ton per hour into an approved sanitary disposal system. Wastewater discharge shall be accomplished by the use of an air gap, as described in the *International Plumbing Code*. Each water-cooled system shall be provided with one or more of the following water-saving devices: (a) a cooling tower; or (b) an evaporative condenser; or (c) an *approved* water circulating device.

**Section 1001.1 Scope.** REVISE section by DELETING the text of 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 federal or state inspections. See Arizona Boiler Rules for regulations, Title 20, Chapter 5.

**Section 1004.1 Standards.** REVISE section by DELETING all text after the second sentence and ADDING the following:

Boilers shall be designed and constructed in accordance with the ASME *Boiler and Pressure Vessel Code*, and Arizona Boiler Rules, Title 20 Chapter 5.

**Section 1101.1 Scope.** REVISE section by ADDING a new ~~paragraph~~ sentence after the first two sentences with the following:

ANSI/ASHRAE Standard 15 is a referenced standard and is regularly updated through continuous maintenance process and provides more up-to-date requirements for refrigerant safety. The refrigeration system shall meet the requirements of this Chapter or ANSI/ASHRAE 15-2024 with the companion standard ANSI/ASHRAE 34-2024.

**Section 1109.2.5 Exception 2.** REVISE section by ADDING “or A2L” after Group A1. the first sentence by eliminating the following: using Group A1 refrigerant.



Ordinance 2018-34 ~~2025~~4 - Exhibit E

Amendments to the:  
**2018 ~~2024~~ International Plumbing Code**

**Chapter 1 Administration.** DELETE chapter 1 with the exception of section 407. 111 Inspections and Testing  
(Deleted sections are administered by 2018 ~~2025~~ IBC, Chapter 1)

ADD new section 301.4.1 to read:

**301.4.1 Individual metering in new multi-family residential units.** The water supply to all new multi-family residential buildings shall be individually metered for each dwelling unit. The metering may be privately or utility installed.

**Section 305.4.1 Sewer depth.** INSERT [number] as “12” in both locations.

**Section 312.1 Required tests.** REVISE section by DELETING the last two sentences of the first paragraph.

**Section 314.2.1 Condensate disposal:** REVISE section by ADDING the following at the end of the paragraph:  
Condensate disposal shall be allowed to terminate as follows:

1. At or below grade outside the building in an area capable of absorbing the condensate flow without surface drainage.
2. Over roof drains, gutters, or downspouts that connect to drainage pipes, provided they terminate at or above grade in an area capable of absorbing the condensate flow without surface drainage

**Section 405.3.2 Public lavatories.** REVISE section by adding an exception as follows: Gender neutral restroom configurations that consist of a continuous bank of single user rooms may share lavatories provided the quantity of lavatories is not reduced and the lavatories are located directly outside the single user rooms.

**Section 410.4 Substitution.** REVISE section by ADDING a second third sentence to read: When a single drinking fountain is required, it may be substituted with a point of use water cooler or dispenser.

ADD new section ~~412.11~~ 412.13 to read:

~~412.11~~ **412.13 Automatic faucets.** New or replacement faucets serving lavatories in all buildings other than R3 occupancies or International Residential Code structures shall be provided with automatic faucets in accordance with section ~~419.6~~ 603.

ADD new section 419.6 419.7 to read:

**419.6 419.7 Automatic faucets.** Lavatories installed in all buildings other than R3 occupancies or International Residential Code structures shall be provided with automatic faucets dispensing a maximum of 0.25 gallon per metering cycle.

**Section 423.3 Footbaths and pedicure baths.** REVISE section by ADDING the following at the end of the paragraph:

Provide backflow prevention on both the cold and hot water supply to each individual bath.

For tub fill only, provide air gap of “3” times the diameter of each water inlet. Or reduced pressure principle



backflow prevention assembly. Or pressure type vacuum breaker installed not less than 12" above the flood rim of the bath.

Drainage from each bath shall terminate with an air gap at an indirect waste receptor that includes a floor sink or washer standpipe. Gravity drains from tubs can be directly connected to the waste system through a trap and vent.

ADD new section 424.1.1 to read:

**424.1.1 Waterless urinals.** All urinals installed in new construction shall be of the waterless type. When a flushing urinal is replaced, every effort shall be made to replace it with a waterless unit.

**Section 504.6 Requirements for discharge piping.** REVISE section by DELETING item number 2 for areas at or less than 4000 feet elevation.

**Section 504.7.1 Pan size and drain.** REVISE section by ADDING the following at the end of the second sentence: "A drain shall not be required for replacement water heaters in locations where no previously installed drain is available."

~~**Section 604.3 Water distribution system design criteria.** REVISE section by DELETING the last sentence and REPLACING it with the following:~~

~~The minimum flow rate for fixtures and appliances not listed in Table 604.3 shall be in accordance with the manufacturer's installation instructions. The minimum flow pressure at the fixture or appliance shall be 15 psi or the flow pressure prescribed by the fixture or appliance manufacturer.~~

**Table 604.3 Water distribution system design criteria required capacity at fixture supply pipe outlets.** REVISE table by DELETING the column titled "FLOW PRESSURE (psi)" in its entirety.

**Section 604.4 Maximum flow and water consumption.** DELETE the section and REPLACE with the following:

The maximum water consumption flow rates and quantities for all plumbing fixtures and fixture fittings shall be in accordance with Table 604.4 and such fixtures and fixture fittings shall be Environmental Protection Agency (EPA) WaterSense Certified fixtures or within the maximum flow or quantity required of WaterSense Certified fixtures, excluding fixture types that are not included under the WaterSense Program.

**Exceptions:**

1. Blowout design water closets having a water consumption not greater than 3 ½ gallons (13L) per flushing cycle.
2. Vegetable sprays.
3. Clinical sinks having a water consumption not greater than 4 ½ gallons (17L) per flushing cycle.
4. Service sinks.
5. Emergency showers.
6. Replacement of existing fixtures that do not require a permit.

**Table 604.4 Maximum Flow Rates and Consumption for Plumbing Fixtures and Fixture Fittings.** REVISE the table as follows:



DEVELOPMENT SERVICES

**Plumbing Fixture or Fixture Fitting**

Lavatory, private

Lavatory, public

Lavatory, public (other than metering)

Showerheads a, c

Sink faucet

Flushing Urinals

Water Closet

**Maximum Flow Rate or Quantity (b)**

1.5 gpm at 60 psi

0.25 gallon per metering cycle

0.5 gpm at 60 psi

2.0 gpm at 80 psi

1.8 gpm at 80 psi

0.5 gallons/flush

1.28 gallons/flush

**Section 608.17.4 Connections to automatic fire sprinkler systems and standpipe systems.** REVISE section by DELETING all text therein and in subsection 608.17.4.1 and REPLACING it with the following:  
The potable water supply to automatic fire sprinkler and standpipe systems shall be protected against backflow in accordance with ARS. § 41-2168.

**Section 609.6 Clinical, hydrotherapeutic and radiological equipment.** REVISE section by ADDING a second sentence to read:

“If water is used for cooling or heat removal, it shall comply with the *International Mechanical Code*, amended section 930 932.1.”

**Section 714.1 Sewage backflow.** REVISE section by DELETING the paragraph and ADDING new text to read:

Where the finish floor elevation is less than 12 inches above the elevation of the next upstream manhole cover in the sewer, a backwater valve shall be installed in the building drain or branch of the building drain serving that floor. Floors discharging from above that reference point shall not discharge through the same back water valve.

**Section ~~903.1~~ 903.1.1 Roof extension unprotected.** INSERT [number] as “6” inches (for elevations at or less than 4000 ft) and “30” inches (for elevations greater than 4000 ft).

**Section 1003.2 Approval.** REVISE section ADDING the following at the end of the last sentence:  
unless the flow rate is 50 gpm or greater and the liquid capacity is at least 65 gallons.

**Section 1003.3 Grease interceptors.** DELETE section and Table 1003.3.5.1 and REPLACE with the following:

Hydromechanical and gravity grease interceptors shall be designed and installed per Industrial Wastewater Ordinance by Pima County Regional Wastewater Reclamation Department Industrial Wastewater Control Section, Article XIV Grease Management Program

**A Fixtures to be connected to a grease interceptor located within the kitchen area or subject to grease waste<sup>1</sup>:**

- pre-rinse and or pre-wash sinks;
- two or three compartment sinks;



- meat prep sink;
- wok stoves;
- self cleaning stove ventilation/exhaust hood;
- kitchen floor drains;
- floor sinks;
- mop sinks;
- food prep sinks;
- hand sinks<sup>2</sup>;
- dishwasher; and
- food waste disposal units<sup>3</sup>.

<sup>1</sup> Depending on use and context, the requirement for above listed fixtures to drain through an interceptor may be appealed to RWRD.

<sup>2</sup> A hand wash sink located in the kitchen area shall either discharge through a grease interceptor or have a sign posted above it stating: "HANDWASH SINK ONLY! NO FOOD PREPARATION OR DISHWASHING ALLOWED."

<sup>3</sup>Discharges from food waste disposal units must drain through a minimum **maximum** 3/8-inch screen.

## **B1 Hydromechanical grease interceptors**

Hydromechanical grease interceptors (HGI) **manufactured and designed per PDI G101**, which are generally installed inside, may be used when there are four (4) or fewer fixtures. The minimum size HGI to be installed shall be rated no smaller than 25 gallon per minute with a 50-pound grease capacity. Flow Control devices shall be designed and installed so that the total flow through such devices shall at no time be greater than the rated flow of the HGI.

*Exception: dishwasher and food waste disposal units shall not drain through a hydromechanical grease interceptor.*

## **B2 Hydromechanical grease interceptors meeting ASME A112.14.3.**

**Hydromechanical grease interceptors (HGI) manufactured, designed, and certified to ASME A112.14.3 for grease production sizing and flow rate shall be installed per manufacturer's requirements.**

## **C Grease interceptor sizing criteria**

**Gravity grease interceptor (GGI) shall be sized in accordance with table and formula below.**

Drainage Fixture Units per table defined in Pima County Industrial Wastewater Ordinance 13.36.420 (C)	Minimum Size (gallons)
Up to 10 DFU	300
11-16 DFU	500
17-25 DFU	750
26-33 DFU	1,000
34-44 DFU	1250



**PIMA COUNTY**  
DEVELOPMENT SERVICES

45-66 DFU	1500
67-111 DFU	2000
Greater than 112 DFU	Contact Industrial Wastewater Control

$$V_{(\min)} = F \times R \times S$$

Where:

- $V_{(\min)}$  = Minimum Gravity Grease Interceptor Operating Volume, gallons
- F = Flow Rate (maximum), gallons per minute
- R = Retention Time = 30 minutes
- S = Storage Factor = 25%

$$\text{Thus: } V_{(\min)} = F \times 30 \times 1.25$$

The flow rate shall be determined based on the total flow rate from all equipment and plumbing fixtures connected to the gravity grease interceptor using one of the following equations:

- Drainage Fixture Units (DFU) **less than or equal to 40**:  $F = (0.8 \times \text{DFU})$
- Drainage Fixture Units **greater than 40**:  $F = (0.3 \times \text{DFU}) + 20$

Where: DFU = Drainage Fixture Units per Table 709.1

- The minimum retention time of 30 minutes is based on Wastewater Engineering, Treatment, Disposal and Reuse, Third Edition, Metcalf and Eddy, Inc., McGraw-Hill, Inc., page 1028.
- A minimum of **25%** storage is required for floatable fats, oil and grease and settled solids is required for gravity grease interceptors.
- The minimum sized GGI to be installed shall be 300 gallons.

*Note: Providing additional interceptor capacity can reduce an interceptor's maintenance frequency. However, solid accumulation and low flows in an interceptor can, over an extended period of time, produce a corrosive environment which can damage the structural integrity of the interceptor. An oversized interceptor may also generate odor problems.*

Gravity grease interceptors shall be designed and tested in accordance with IAMPO/ANSI Z1001. GGI shall be installed per manufacturer's instructions. Where manufacturer's instructions are not provided, GGIs shall be installed in compliance with ASME A112.14.6 and IAPMO/ANSI Z1001.

Gravity grease interceptors shall have a minimum of two compartments and two man-ways. All man-ways shall have a minimum 20" inside diameter.

Hydromechanical grease interceptors meeting ASME A112.14.3 shall be sized in accordance with table below.



<u>Drainage Fixture Units per table defined in Pima County Industrial Wastewater Ordinance 13.36.420 (C)</u>	<u>Minimum Size</u>
<u>Up to 10 DFU</u>	<u>400 lbs of grease holding capacity at 50 gpm</u>
<u>11-25 DFU</u>	<u>800 lbs of grease holding capacity at 75 gpm</u>
<u>26-66 DFU</u>	<u>1,800 lbs of grease holding capacity at 100 gpm</u>
<u>67-111 DFU</u>	<u>3,000 lbs of grease holding capacity at 100 gpm</u>
<u>Greater than 112 DFU</u>	<u>Contact Industrial Wastewater Control</u>

Grease interceptor discharge shall be vented in accordance with chapter 9, provided with cleanout in accordance with section 708, and directly connected to the sanitary drainage system.

**Section 1101.3 Prohibited drainage.** REVISE the section by ADDING the following at the end of the paragraph: Exception: Exterior fixtures, installed to prevent drainage outside the fixture or pan are acceptable.

**Section 1302 On-site nonpotable water reuse systems.** DELETE section and REPLACE with the following: Regulated under Arizona Administrative Code (A.A.C.) Title 18, Chapter 9.

**Appendix B Rates of rainfall for various cities.** REVISE appendix by ADDING “Tucson..... 3.0” under “Arizona”.



Ordinance ~~2018~~ 2025- Exhibit F

Amendments to the:  
**~~2018~~ 2024 International Fuel Gas Code**

**Chapter 1 Administration.** DELETE chapter 1 with the exception of sections ~~101.2.4~~ 101.2.5 Systems, Appliances, and Equipment Outside the Scope and ~~107~~ 111 Inspections and Testing. (Deleted sections are administered by ~~2018~~ 2024 IBC, Chapter 1).



Ordinance 2018-30 ~~2025~~- Exhibit G

Amendments to the:  
**~~2018~~2024 International Property Maintenance Code**

**Section 101.1 Title.** Insert:[name of jurisdiction] as “Pima County, AZ”.

**Section 101.2 Scope.** REVISE this section by DELETING the paragraph and replacing it with the following:

The provisions of this code shall apply to all vacant and/or unsecured dangerous buildings, as herein defined, which are now in existence, or which may hereafter become dangerous in this jurisdiction.

**Section 101.3 Intent Purpose.** REVISE this section by DELETING the paragraph and replacing it with the following:

It is the purpose of this code to provide a just, equitable and practicable method, to be cumulative with and in addition to any other remedy provided by the building code, or otherwise available by law, whereby buildings or structures which from any cause endanger the life, limb, health, morals, property, safety or welfare of the general public or their occupants may be required to be secured, repaired, vacated or demolished.

ADD new section 101.5 to read:

**Section 101.5 Duty to clean and secure vacant buildings and structures.** The owner of a vacant building or structure shall remove accumulation of weeds, combustible waste or rubbish from the interior of the building or structure and the surrounding yards; and shall secure all doors, windows, and other openings as required by and in accordance with standards on file with the Building Official.

**Section 102.3 Application of other codes.** REVISE this section by DELETING the paragraph and replacing it with the following:

Repairs, additions or alterations to a structure, or change of occupancy, shall be done in accordance with the procedures and provisions of the regulatory codes as adopted by this jurisdiction which are in effect at the time such work is undertaken.

**Section 102.7 8 Referenced codes and standards.** DELETE this section in its entirety.

**Section 103 ~~Department of property maintenance inspection~~ Code Compliance Agency.** DELETE this section in its entirety.

**Section 104 Fees. DELETE this section in its entirety.**

**Section ~~107.2~~ 109.4.1 Form.** REVISE section by DELETING item 4 and REPLACING with the following:

4. Include a correction order allowing no less than thirty (30) days’ time to make the repairs and improvements required to bring the dwelling unit or structure into compliance with the provisions of this code.



**Section ~~107.2~~ 109.4.1 Form.** REVISE section by ADDING new item 7 as follows:

7. Include the estimated cost to the county for the removal if property owner does not comply.

**Section ~~112.4~~ 108.4 Failure to comply.** ~~Delete [less than amount] and insert [more than amount]~~ **DELETE** “established by the authority having jurisdiction” and REPLACE with “up to \$10,000 per instance per day for commercial work/property and \$750 per instance per day for other”.

**Chapter 2 Definitions.** DELETE this chapter in its entirety.

**Chapter 3 General Requirements.** DELETE this chapter in its entirety.

**Chapter 4 Light, Ventilation and Occupancy Limitations.** DELETE this chapter in its entirety.

**Chapter 5 Plumbing Facilities and Fixture Requirements.** DELETE this chapter in its entirety.

**Chapter 6 Mechanical and Electrical Requirements.** DELETE this chapter in its entirety.

**Chapter 7 Fire Safety Requirements.** DELETE this chapter in its entirety.

**Chapter 8 - Referenced Standards.** DELETE this chapter in its entirety.



Ordinance ~~2018-30~~ 2025- Exhibit H

Amendments to the:  
**~~2018~~ 2024 International Wildland-Urban Interface Code**

**Chapter 1 Scope and administration.** REVISE chapter by DELETING Part 2-Administration and enforcement. (Deleted sections are administered by ~~2018~~ 2024 IBC, Chapter 1).

**Section 101.1 Title.** Insert:[name of jurisdiction] as “Pima County, AZ”.

**Section 101.2 Scope.** REVISE section by DELETING the first paragraph and REPLACING with the following:

This code shall apply only to areas designated rural forest village under the Pima County Comprehensive Plan and areas encircled thereby.

**Section 402.1.1 Access.** REVISE section by DELETING the word: “new” and capitalize the “s” in subdivision.

**Section 403.2 Driveways.** REVISE section by DELETING “of the first story” in the first sentence.

**Section 403.3 Fire apparatus access road.** REVISE section by DELETING the first two words of the first sentence “When required” and capitalize the “f” in fire. ADD the following to the end of the paragraph:  
**Exception:** access roads as approved by the fire districts.

**Section 501.1 Scope.** REVISE section by REPLACING occurrences of “50 feet” with “10 feet” and REPLACING “120 square feet” with “200 square feet”.

**Section 602.1 General.** REVISE section by DELETING text and REPLACING with the following:  
Automatic sprinkler systems as required by fire district having jurisdiction.

**Section 604.1 General.** REVISE section by ADDING the following second sentence: “Defensible space maintenance shall be enforced by the fire district.”

**Adopt Appendix C Fire hazard severity form,** content of which to be approved by the fire district prior to acceptance for review.



Ordinance ~~2018-30~~ 2025- Exhibit A I

Amendments to the:  
**~~2018~~2024 International Existing Building Code**

**Chapter 1 Scope and administration.** DELETE chapter 1 with the exception of sections 101.2 through 101.4, and 105.3 (Deleted sections are administered by ~~2018~~2024 IBC, Chapter 1).



Ordinance 2018 2025 - Exhibit J

Amendments to the:  
**2018 2024 International Swimming Pool and Spa Code**

**Chapter 1 Administration.** DELETE chapter 1 with the exception of sections 101, 102.7, 104.11, 106 111, and 107 113. (Deleted sections are administered by 2018 2024 IBC, Chapter 1).

**Section 301 Scope.** REVISE section by DELETING the word “public” in the first sentence and by DELETING the text “Chapter 4 through 10” and REPLACING with “Chapters 5 and Chapters 7 through 10.”

Add new Section 303.4 to read:

**Section 303.4 Pool, spa and hot tub covers.** All new and remodeled exterior installed swimming pools, spas and hot tubs shall be required to be provided with a cover to limit evaporation, prior to final inspection approval.

**Section 304 Flood Hazard Areas.** REVISE section by DELETING section in its entirety and REPLACING with the following: Pools and spas located in flood hazard areas require written authorization by the floodplain jurisdiction.

**Section 305.2 Outdoor swimming pools and spas.** REVISE first sentence by ADDING the following after the word “pools” and before the word “shall”:  
“or other contained body of water that contains water eighteen inches “18” or more in depth at any point and that is wider than eight feet at any point and is intended for swimming”.

~~**Section 305.4 Structure wall as a barrier.** REVISE item # 1 sentence three by DELETING all words after word “structures” and ending with the last “units”, and by DELETING sentence four in its entirety.~~

**Section 306.3 Steps risers and treads.** REVISE section by DELETING the first sentence in its entirety.

**Section 306.4 Deck steps handrail required.** REVISE section by DELETING the first word of the sentence and capitalize the “p”.

**Section 306.9.1 Hose Bibbs.** REVISE section by DELETING all words after 102.7.1 and the exception.

**Section 307.1.2 Colors and finishes.** REVISE section by DELETING it in its entirety.

**Section 307. 1.4 Accessibility.** REVISE section by DELETING it in its entirety.

**Section 307. 2.4 Surface conditions.** REVISE section by DELETING it in its entirety.

**Section ~~309.2~~ 310.2 Treatment and circulation system equipment.** REVISE section by DELETING it in its entirety.



**Section ~~311.2~~ 312.2 System Design.** REVISE section by DELETING the second sentence and the exception in its entirety.

**Section ~~313.7~~ 314.7 Emergency shutoff switch.** REVISE section by DELETING it in its entirety.

**Section ~~315.2~~ 316.2 Required.** REVISE section by DELETING the first sentence, and exception #1 and renumbering exception #2 to #1.

**Section ~~315.2.1~~ 316.2.1 Circulation system.** REVISE section by DELETING it in its entirety.

**Section ~~315.3~~ 316.3 Skimmer sizing.** REVISE section by DELETING the Public pool line in Table 315.3 SKIMMER SIZING TABLE.

**Section ~~316.4.2~~ 317.4.2 Access prohibited.** REVISE section by DELETING it in its entirety.

**Section 320 Sanitizing, oxidation equipment and chemical feeders. REVISE section by DELETING it in its entirety.**

**Section ~~320.1~~ 321.1 Backwash water or draining water.** REVISE section by DELETING the first sentence and REPLACING it with the following. Backwash water and draining water shall be discharged in accordance with Pima County Department of Environmental Quality Swimming Pool and Spa Discharge Guidelines Pima County Regional Wastewater Reclamation Department (RWRD) Swimming Pool Water Discharge (General Guidance) 350872ee-4486-478b-b487-423b794a9e42 (civicplus.com). If swimming pool water discharge is not through the sanitary sewer, it is allowed when:

1. Pool/spa owner's landscaping if and only if:
  - a. Water Stays on pool/spa owners' property and does not flow onto a neighbor's property
  - b. The flow does not cause erosion
  - c. The environment is not harmed
2. Paved Road with curb, storm drain, or wash if and only if:
  - a. Water does not flow onto a neighbor's property
  - b. Water does not cause any erosion of the drainage channels or washes
  - c. Water is non-toxic to the environment
3. Filter backwash requirements:
  - a. Water may be discharged onto pool/spa owner's property as long as it can be absorbed into the ground and does not flow onto a neighboring property, street or alley
  - b. Water may not be discharged offsite to streets or washes

**Section ~~321.1~~ 322.1 General.** REVISE section by DELETING first sentence in its entirety.

**Section ~~321.2~~ 322.2 Artificial lighting required.** REVISE section by DELETING it in its entirety.

**Section ~~321.3~~ 322.3 Emergency illumination.** REVISE section by DELETING it in its entirety.

**Section ~~322.1~~ 323.1 General.** REVISE section by DELETING the text "Chapter 4 through 10" and REPLACING with "Chapters 5 and Chapters 7 through 10".



**Section ~~323.2.1~~ 324.2.1 Height.** REVISE section by DELETING the first sentence in its entirety.

**Chapter 4 Public Swimming Pools.** DELETE this chapter in its entirety.

**Chapter 5 Public Spas and Public Exercise Spas.** REVISE chapter by DELETING all the words “Public” and REPLACING with “Residential”.

**Section 504 Pumps & Motors.** REVISE section by DELETING it in its entirety.

**~~Section 508 Sanitizing, oxidation equipment and chemical feeders.~~** ~~REVISE section by DELETING it in its entirety~~

**Section ~~509~~ 508 Safety features.** REVISE section by DELETING it in its entirety.

**Chapter 6 Aquatic Recreation Facilities.** DELETE this chapter in its entirety.