

**TOWN OF PAYSON LOCAL BUILDING/FIRE CODE AMENDMENTS TO THE
2006 INTERNATIONAL BUILDING CODES AND 2005 NATIONAL
ELECTRICAL CODE**

§ 150.20 INTERNATIONAL RESIDENTIAL CODE

The International Residential Code, 2006 Edition, published January 2006 by the International Code Council, Inc., is hereby adopted with the following Local Amendments:

1. Section 105.2(1) - Change the floor area of exempt storage building to not more than 144 sq. ft.
2. Section 302.1 & Table 302.1 - Revise wording that requires fire protected wall construction for buildings with exterior walls less than 5 feet from lot lines, to require fire protected wall construction at not less than 3 feet from lot lines.
3. Section R311.4.3(2&3) - Increase the maximum height below the top of the threshold to not more than 8 inches from 7-3/4 inches.
4. Section 311.5.3.1 Increase the maximum tread height to not more than 8 inches.
5. Section 311.5.3.1 Decrease the minimum tread to not less than 9 inches
6. Table 301.2(1), page 24 - Term 'Ground Snow' is changed to 'Roof Snow'
7. Table 301.5, add (j) to table notes that states: "Attic storage trusses provided for other than HVAC installations and intended to provide storage space within attics shall be designed to resist a 40 lb. live load."
8. Section 309.1 - "With self closing hinges, that allow the door to latch into its frame" is added to the end of the section.
9. Section 309.2 - Replace the printed dimension of 1/2 inch with "5/8 inch type X" in the first sentence of this paragraph.
10. Section 310.1.1 - Exception allowing 5.0 sq. ft. windows is eliminated.
11. Section 311.4.2 - Paragraph after the word "doors" is revised to include the following: "that complete the exiting path, either from room to room, or directly to the outside of the residence." Exception: Driveways and landscape stairways shall be excluded from the requirements of: Section 311.5.3-311.5.4-311.5.5-311.5.6-311.5.7 and the Ramp requirements of Section 311.6.
12. Section 311.2.2 - Replace printed dimension of 1/2" with the words (5/8 type X).
13. Section 311.5.3.1 - Max. stair-tread height is modified from 7 3/4" to 8".
14. Section R319.1.4 - Delete the wording "and the earth is covered by an approved impervious moisture barrier" in both exceptions.
15. Section 322 - Replace reference to IBC Chapter 11 and insert the Arizonans with Disabilities Act Standards.
16. Section 401.3 Exception- Replace the 5% Requirement with 2% and the following 2% swale drainage requirement with 1%.
17. Section 406.1 - Installation of masonry parging is excluded.
18. Section 606.9.1 - wording revised to state, " Minimum Reinforcement requirements for masonry elements." Masonry elements shall be reinforced by at least one #4 bar, in both the horizontal and vertical direction at not more than 4 feet O.C. Additionally a single bar is required within 6 inches of the top of a masonry wall in the horizontal position and the same sized bar is also require within 18 inches vertically of the end of all masonry walls and on each side of all openings.

19. Section R703.1 – Delete the wording “and a means of draining water that enters the assembly to the exterior. Protection against condensation in the exterior wall assembly shall be provided in accordance with Chapter 11 of the code” and in the same section, delete exception #2, in its entirety.
20. Chapter 11 - The following sections are deleted: Sections N1101.2.1, Section 1101.5, Section 1102.1, Section 1102.1.3, Sections 1102.2.7- 1102.2.8, Section 1102.3, Section 1102.4.2, and Section 1102.4.3.
21. Insert new Table 1102.1 entitled Simplified Prescriptive R&U Values for Glazing & Insulation within the Town of Payson. This table shall set forth a minimum glazing U factor of .50 and the following minimum insulation values: Ceilings =R19, Walls R13, Floors R11 and basement walls R8.
22. Section G2415.9 - Replace 12 inches with 18 inches in this section.
23. Section G2415.9.1 - Remove this section.
24. Section P2803.6.1 - Add the verbiage “Vent offsets less than six (6) inches (152.4 mm) above the flood level rim of the fixture shall be installed with approved drainage fittings and graded to the drain.”

§ 150.21 INTERNATIONAL BUILDING CODE

The International Building Code, 2006 Edition, published June 2006 by the International Code Council, Inc., is hereby adopted along with the following local amendments:

1. Section 1009.3 - Up to an 8” high tread is permitted
2. Section 3109 - State Pool Barrier Requirements are adopted in lieu of this section
3. Chapters 11, 13, and 34 are deleted in their entirety
4. Appendix Chapters are not adopted.
5. Section 310.1 R-4 Group Home. Modify number of people that are receiving care in R-4 Occupancies to not more than 6, with not more than eight people total allowed to reside full-time in this occupancy classification.
6. Section 308.2. Modify the description of this occupancy classification to include all group homes that exceed 6 care recipients and/or have more than two full-time care-givers that reside in such a facility. Also, delete last paragraph in this section.

§ 150.22 NATIONAL ELECTRICAL CODE

The National Electrical Code, 2005 Edition, published August 5, 2004 by the National Fire Protections Association, Inc., is hereby adopted with the following local amendments:

1. Article 210.12 B - Remove wording and add a period after arc-fault circuit interrupter to just before (FPN) in the first and second paragraph of this section.
2. Add Article 110.7.1 reading “All equipment rated at 1,000 amps or more, 120/240, 120/208 or 277/480, single, or three phase power, shall be tested for insulation breakdown, mechanical integrity and workmanship prior to being energized. Such tests shall be performed by a testing facility approved by the Building Official. A certified Hy-Pot test shall be performed and a certificate issued to the Town of Payson Building Department. Such test shall withstand, for a period of one minute, the application of a 60-hertz alternating potential of 1000 volts plus twice the rated phase-to-phase voltage of the equipment. This test shall

be performed between all phases to ground and phase-to-phase and neutral if isolated.”

3. Add Article 80.15 - This article references the 2006 IEC International Electrical Code Provisions.
4. Article 230-95(C) - Add same wording that has been inserted in Article 110.7.1A Hi-Pot test is required for all services rated 1000 amps or more.

§ 150.23 INTERNATIONAL MECHANICAL CODE

The International Mechanical Code, 2006 Edition, published May 2006 by the International Code Council, Inc., is hereby adopted with the following local amendments:

1. Section [B] 304.10 – Delete wording from “and roof hatch” to “roof edge or opening” and eliminate the words “roof hatch” where included in the second reference of this section.
2. Section 306.3 – Appliances in Attics – exception #2 change the 6 feet high to 44.”
3. Section 306.4 – Appliances Under Floor – change the 6 feet high to 44.”
4. Section 306.5.1 – Eliminate this section.
5. Section 306.5.2 – Electrical Requirements – delete reference to ICC Electrical Code and add 05 NEC for commercial and 06 IRC for residential. Also delete “at or near” and add 25’ any level.
6. Section 305.5 – Insert a period after the word “bored” and eliminate wording in the rest of the paragraph.
7. Section 501.2 – Exhaust Discharge – delete wording “where it will not cause a nuisance and.”
8. Section 306.5 is deleted.
9. Section 403.3.4 is deleted.

§ 150.24 INTERNATIONAL FUEL GAS CODE

The International Fuel Gas Code, 2006 Edition, published March 2006 by the International Code Council, Inc., is hereby adopted with the following local amendments:

1. Section 303.3 Requirement for outside combustion air to be mandatory for fuel burning equipment installed in sleeping rooms, in addition to all existing code requirements. Unvented fuel burning appliances shall not be installed in sleeping rooms, or bathrooms.

§ 150.25 INTERNATIONAL PLUMBING CODE

The International Plumbing Code, 2006 Edition, published March 2006 by the International Code Council, Inc., is hereby adopted with the following local amendments:

1. Section 107.1 Existing items 2&3 in this section become 3&4. Insert new Section 107.1 (2) “Floor sheathing in raised floor systems shall not be installed until such time that the floor framing and sub-floor plumbing has been inspected when the height of the crawl space is less than 5 feet from grade to the bottom of the floor joists. Sub-floor plumbing will not be required to be installed in these cases when the plumbing would be viewable from the access point.”
2. Section 904.1 insert “six” in place of [NUMBER].

3. Section 904.6 delete the use of sidewall vents for waste and vent and waste only plumbing systems
4. Section 905.5 add the verbiage "Vent offsets less than six (6) inches (152.4 mm) above the flood level rim of the fixture shall be installed with approved drainage fittings and graded to the drain."
5. Section 305.6.1 insert 12 inches in place of [number].
6. Section 504.6.5 #5 Strike "where discharging to the outdoors." Add wording in place of this that states "When discharging to the outdoors, termination shall be not less than 6 not more than 24 inches above grade.
7. Section 607.2 - Delete this section and mandate compliance with the Town's Water Conservation Requirements (including Resolution # 1742) that requires a means be provided in the hot water plumbing system that maintains the temperature of hot water in the system when the furthest plumbing fixture is 40 or more feet from the water heater that serves it.
8. Delete Section 610.1.
9. Section 613 - Add the following language "The required Temperature limiting device for roman tubs shall be that the water heater will be allowed to be set at maximum 120 degrees."
10. Appendix E is adopted.

§ 150.26 INTERNATIONAL EXISTING BUILDINGS CODE

The International Existing Buildings Code, 2006 Edition, published January 2006 by the International Code Council, Inc., is hereby adopted.

§ 150.27 INSTALLATION OF SOLID FUEL BURNING STOVES.

- A. No person shall install or operate any woodstove unless such woodstove is:
 1. Safety listed by a recognized safety testing laboratory; and
 2. Certified when new, to be at least as clean as the EPA Phase II Standards for woodheaters as prescribed by the U.S.E.P.A. (MSPS, 40 C.F.R. Part 60, Subpart AAA), or is a fireplace, pellet stove or masonry heater; and
 3. Is an EPA Phase II woodstove or pellet stove installation; and a permit and final inspection for such installation have been obtained from the Building Department of the Town for such installation in accordance with the applicable provisions of the International Mechanical Code or the International Residential Code adopted pursuant to this Chapter.
- B. Definitions
 1. Fireplace means a chimney connected, solid fuel or gas burning appliance, that is intended primarily for occasional recreational and aesthetic use and only secondarily for incidental heating and that ordinarily is permanently installed into the structure of a building.
 2. Masonry Heater means a vented, wood burning radiant heating system constructed primarily of masonry materials weighing at least 1,754 pounds, either site built or assembled from factory made components, that

- is designed to burn rapidly, capturing and storing the resultant heat energy in the mass of the appliance through internal heat exchange flue channels.
3. Pellet Stove means a safety listed appliance designed to burn only wood pellets or any naturally pelleted fuel that is incapable of burning cord wood and may or may not be certified 40 C.F.R., Section 60.
 4. Woodstove means an airtight wood-heater, either freestanding or inserted into a fireplace.

§ 150.45 INTERNATIONAL FIRE CODE

The International Fire Code, 2006 Edition, published October 2006 by the International Code Council, Inc., is hereby adopted with the following local amendments.

1. Section 108 is deleted in its entirety. The Town's Building Advisory Board, organized pursuant to Section 33.35, et. seq., shall act as the Board of Appeals.
2. Section 503.5.1 – Adopt additional wording as recommended. When required, gates and barricades shall be secured in an approved manner with a Knox box lock to facilitate access by fire department personnel.
3. Section 503.6 (Security Gates) is amended and shall read “The installation of security gates across a fire apparatus access road shall be approved by the fire chief. Where security gates are installed, they shall have an approved means of emergency operation. The security gates and the emergency operation shall be maintained operational at all times. Electric access gates installed in residential applications shall be equipped with an approved override key switch. All electric gates installed for access control in residential subdivisions and commercial sites shall be equipped with an “Opticom” rapid entry system.”
4. Section 105.1 of Appendix B is amended and shall read “All one and two family dwellings having a fire flow calculation area in excess of 4800 square feet shall install an approved automatic fire sprinkler system. The calculation area shall be determined using the livable area under roof, excluding garages, residential airplane hangars, and covered porches and patios. One and two family dwellings with a fire flow calculation area equal to or less than 4800 square feet, with an approved water supply, shall have no fire sprinkler requirements. Any one or two family dwelling, regardless of size, which does not have the approved water supply source available within 600 feet of the structure must either install an approved water source or provide an automatic fire sprinkler system. An ‘approved water supply’ shall be defined as a municipal water supply (hydrant) within 600 feet of the structure as measured by fire apparatus travel from the hydrant to the apparatus staging area.”
5. Section 103.2 of Appendix D is amended and shall read “Fire Apparatus access roads shall not exceed 18 percent in grade.”
6. Section 903.2 and 907.2 – Amend to read “Where an approved system is required a Knox Security box shall be installed at a location determined by the AHJ (authority having jurisdiction).”
7. Section 1008.1.8.2 – Pool fence enclosures as defined and regulated in State Law are exempted.
8. Section 1009.3 – Delete exception #4 and reference IRC local amendment.
9. Section 1009.11.2 – When local amendment has been made this shall provide precedent for a specific issue.

10. Appendix Chapters B-C-D-F-G are adopted with the following amendments:
 - (1) 105.1 appendix B insert 4800 sq. ft. exact language as previously amended, ordinance 668
 - (2) 103.2 appendix D 10% is changed to 18%