

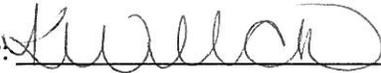


***Support Your Local Merchants!***

**AGENDA  
2012 INTERNATIONAL BUILDING CODE ADOPTION MEETING  
TOWN OF CAMP VERDE BUILDING DEPARTMENT  
COUNCIL CHAMBERS – 473 S. MAIN ST. STE. 106  
MONDAY, NOVEMBER 18, 2013 AT 4:00 PM**

**Note:** The Town of Camp Verde Building Department will be hosting public meetings beginning Monday, October 7<sup>th</sup>, 2013 to focus on the potential adoption of the 2012 International Building Codes. Architects, builders, contractors, designers and general public from the Town of Camp Verde and surrounding areas are encouraged to attend. Meetings have been tentatively scheduled through February of 2014 and will begin at 4:00 PM and will end no later than 6:00 PM. It is possible that some agenda items will be carried over to a subsequent meeting. **In addition, a majority of Council members, Planning and Zoning Commission members, and Board of Adjustments and Appeals members may be present at these meetings.** For additional information, please contact the Building Department at 473 S. Main St. Ste. 108, Camp Verde, AZ 86322 – (928) 554-0060 – [www.campverde.az.gov](http://www.campverde.az.gov).

1. Welcome.
2. General questions, comments, or concerns for staff in regards to November 4<sup>th</sup> meeting.
  - a. Simpson Strong-Tie Wall Bracing Calculator: <http://www.strongtie.com/webapps/BracedWall/>
3. Review electronic resources:
  - a. Camp Verde Website: <http://www.cvaz.org/>
  - b. American Wood Council: <http://www.awc.org>
  - c. I Codes: <http://publicecodes.cyberregs.com/icod/>
4. Discussion of proposed technical amendments recommended by staff.
5. General questions, comments, or concerns for staff regarding the 2012 IBC.
6. Discussion of Section 306.2 – Occupancy Classification of Commercial Kitchens.
7. Discussion of Table 307.1 and Section 307.4 – Facilities Generating Combustible Dusts.
8. Discussion of Sections 308.2 and 202 – Definitions of Care Facilities.
9. Discussion of Section 308.4 – Occupancy Classification for Medical Care Facilities.
10. Discussion of Section 310.6 – Uses Classified as Group R-4 Occupancies.
11. Discussion of Sections 419 and 202 – Live/Work Units.
12. Discussion of Section 422 – Ambulatory Care Facilities.
13. Discussion of Section 501.2 – Address Identification.
14. Discussion of Section 506.2 – Allowable Area Frontage Increase.
15. Discussion of Section 509 – Incidental Uses – General Provisions.
16. Closing comments.

Posted By: 

Date/Time: 11/13/13 9:45am

The Town of Camp Verde Council Chambers is accessible to the handicapped. Those with special accessibility or accommodation needs, such as large typeface print, may request these at the Office of the Town Clerk.

## CHAPTER 7 BUILDING

### ARTICLE 7-1

#### ADOPTION OF THE ~~2006~~ **2012** INTERNATIONAL CODE COUNCIL CODES, (ICC) AND RELATED PUBLIC CODES

(2004-A274) (2006-A332) (2007-A341) (2009-A361) (2009-A359)

Pursuant to ARS §9-802 (as amended), the Town hereby adopts for application and enforcement for all construction within Town limits the following codes heretofore in existence, together with all future amendments, revisions, and modifications as issued by the respective publishing agencies.

1. ~~2006~~ **2012** International Code Council Codes, Published by the International Code Council Incorporated, (ICC), ~~2006~~ **2012** Edition.
2. ~~2006~~ **2012** International Building Code, Including Appendix J – Grading, Published by the International Code Council Incorporated, (ICC), ~~2006~~ **2012** Edition.
3. ~~2006~~ **2012** International Residential Code **For One- And Two-Family Dwellings**, Published by the International Code Council Incorporated, (ICC), ~~2006~~ **2012** Edition.
4. ~~2003~~ **2012** International Fire Code, Published by the International Code Council Incorporated, (ICC), ~~2003~~ **2012** Edition.
5. ~~2005~~ **2011** National Electrical Code, Published by the National Fire Protection Association, ~~2005~~ **2011** Edition.
6. ~~2006~~ **2012** International Energy Conservation Code, Published by the International Code Council Incorporated, (ICC), ~~2006~~ **2012** Edition
7. ~~2006~~ **2012** Existing Building Code, Published by the International Code Council Incorporated, (ICC), ~~2006~~ **2012** Edition.
8. ~~2006~~ **2012** International Fuel Gas Code, Published by the International Code Council Incorporated, (ICC), ~~2006~~ **2012** Edition.
9. ~~2006~~ **2012** International Mechanical Code, Published by the International Code Council Incorporated, (ICC), ~~2006~~ **2012** Edition.
10. ~~2006~~ **2012** International Plumbing Code, Published by the International Code Council Incorporated, (ICC), ~~2006~~ **2012** Edition.
11. **2012 International Swimming Pool and Spa Code, Published by the International Code Council Incorporated, (ICC), 2012.**
12. Town of Camp Verde Administrative Building Code
13. And Amendments

The effective date of the ordinance shall be ~~September 20, 2009~~ **XXX XX, 2013** after which all new construction and work in progress shall meet the standards set forth in the ICC and the above-related codes.

The Town Council shall adopt fee schedules for inspection and certification under the codes, annually, upon recommendation of the Community Development Director.

At least three (3) copies of the ICC and the above codes, and any future amendments or revisions, shall be kept on file in the Community Development Department. All copies shall be readily available for inspection, including any supplementary pamphlets or explanatory booklets for distribution to the public.

It shall be unlawful for any person, firm, or corporation to erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish, equip, use, occupy or maintain any building or structure or cause or permit the same to be done in violation of any standard or provision of the ICC and above related codes, including their subsequent revisions and modifications.

In addition to the criminal penalties, the Court, upon conviction, may order abatement or removal of the construction, and issue appropriate injunctive relief. The Building Official shall issue no final certificate of occupancy until the construction or action described in this paragraph has been inspected and shown to meet all ICC and related code requirements, and all fees to the Town paid.

*The Building Official, as defined in Town Code Article 7-2, Section 7-2-103, shall be the administrative authority duly appointed to enforce these codes.*

Section 2. Any person found guilty of violating any provision of this ordinance shall be guilty of a Class 2 misdemeanor. Each day that a violation continues shall be a separate offense and punishable as a separate offense.

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SECTION 7-1-100 TOWN OF CAMP VERDE TECHNICAL CODE AMENDMENTS

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The above listed documents are hereby amended for the incorporated areas of the Town of Camp Verde.

**INTERNATIONAL BUILDING CODE, 2006 2012 EDITION, ADOPTED BY REFERENCE**

The International Building Code, 2006 2012 Edition, including Appendix J and hereby referred to, adopted, and made a part here of as set forth herein, excepting such portions as are hereinafter deleted, modified or amended.

**CHAPTER 1 ADMINISTRATION** is hereby deleted in its entirety and replaced with the requirements of the Town of Camp Verde Administrative Building Code as adopted and from time to time amended.

~~SECTION 3109.3 — Public swimming pools is amended by the deletion of four feet (1290 mm) and the insertion of five feet (1613 mm).~~

~~SECTION 3109.4.1 — Barriers height and clearances is amended by the deletion of forty eight inches (1219 mm) and the insertion of sixty inches (1530 mm).~~

~~SECTION 3109.4.1.7 Gates is amended by revision of the last sentence to read as follows:~~

~~3109.4.1.7 — Gates. Where the release mechanism of the self latching device is located less than fifty four inches (1372 mm) from the bottom of the gate, the release mechanism shall be located on the pool side of the gate at least five inches (127 mm) below the top of the gate, and the gate and barrier shall have openings not greater than 0.5 inch (12.7 mm) within eighteen inches (457 mm) of the release mechanism.~~

~~SECTION 3109.4.1.8 Dwelling wall as a barrier is hereby amended by the addition of #4 to read as follows:~~

~~4. Emergency escape and rescue windows for sleeping rooms which face within a swimming pool enclosure shall be equipped with a latching device located fifty four inches (1372 mm) above the floor. All other operable dwelling unit windows facing within the swimming pool enclosure shall be equipped with screwed in place wire mesh screen, a keyed lock that prevents opening the window more than four inches (102 mm), or a latching device located not less than fifty four inches (1372 mm) above the floor.~~

~~SECTION 3109.4.1.9 Pool structure as a barrier is hereby amended by the addition of the following language after:~~

Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, ~~“the height of the pool structure or the barrier mounted on top of the pool structure shall be a minimum height of 48”~~, and the means of access is a ladder or steps, then the ladder or steps either shall be capable of being secured, locked or removed to prevent access, or the ladder or steps shall be surrounded by a barrier which meets the.....

## SECTION 202 DEFINITIONS

DEFINITIONS is hereby amended by addition of the following new words and terms:

**DIRECTED CARE SERVICE.** Care of residents, including personal care services, who are incapable of recognizing dangers, summoning assistance, expressing need or making basic care decisions.

**SUPERVISORY CARE SERVICE.** General supervision, including daily awareness of resident functioning and continuing needs.

**RESIDENTIAL CARE/ASSISTED LIVING HOME.** A building or part thereof housing a maximum of 10 persons, excluding staff, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment which provides supervisory, personal or directed services. This classification shall include, but not be limited to the following:

- Alcohol and Drug Abuse Centers
- Assisted Living Homes
- Congregate Care Facilities
- Convalescent Facilities
- Group Homes
- Halfway Houses
- Social Rehabilitation Facilities

SECTION 202 DEFINITIONS is hereby amended by revision of specific words and terms to read as follows:

**PERSONAL CARE SERVICE.** The care of persons who do not require medical care. Personal care involves assistance with activities of daily living and includes responsibility for the safety of the persons while inside a building.

## SECTION 305.2 DAY CARE FACILITIES

Is amended by addition of Exception 1 to read as follows:

Exceptions:

1. A “child care group home” complying with the requirements ARS §36-897 and providing child care for less than twenty-four (24) hours per day for not less than five (5) children but no more than ten (10) children through the age of twelve (12) years shall be classified as Group R-3 provided that all child care rooms are located on the level of exit discharge and each child care room as an exit door directly to the exterior.

SECTION 308.2 DEFINITIONS is hereby amended by addition of the following new words and terms as defined in Chapter 2:

**DIRECTED CARE SERVICE.**

**SUPERVISORY CARE SERVICE.**

SECTION 308.3 INSTITUTIONAL GROUP I-1 is hereby deleted in its entirety and revised to read as follows:

308.3 Institutional Group I-1. This occupancy shall include buildings, structures or parts thereof housing

more than 10 persons on a 24-hour basis, who because of age, mental disability or other reasons, live in a residential environment that provides supervisory care services. The occupants are capable of responding to an emergency situation without physical assistance from staff. This group shall include, but not limited to the following:

- Alcohol and Drug Centers
- Assisted Living Facilities
- Congregate Care Facilities
- Convalescent Facilities
- Group Homes
- Halfway Houses
- Residential Board and Custodial Care Facilities
- Social Rehabilitation Facilities

SECTION 308.3.2 SIX TO SIXTEEN PERSONS RECEIVING CARE is hereby deleted in its entirety and revised to read as follows:

308.3.2 Six to Ten persons receiving care. A facility such as the above, housing not fewer than six and not more than 10 persons receiving such care, shall be classified as a Group R-4 Condition 1 or shall comply with the International Residential Code in accordance with Section 101.2 where the building is in compliance with Section 425 of this code.

SECTION 308.4 INSTITUTIONAL GROUP I-2 is hereby deleted in its entirety and revised to read as follows:

308.4 Institutional Group I-2. This occupancy shall include buildings and structures used for medical, surgical, psychiatric, nursing, custodial, personal, or directed care on a 24-hour basis of more than five persons who are incapable of self-preservation by responding to an emergency situation without physical assistance from staff. This group shall include, but not be limited to the following:

- Foster Care Facilities
- Detoxification Facilities
- Hospitals
- Nursing Homes
- Psychiatric Hospitals

SECTION 308.4 INSTITUTIONAL GROUP I-2 is amended by addition of SECTION 308.4.2 to read as follows:

308.4.2 Ten or more persons receiving care. This occupancy shall also include buildings and structures used for assisted living homes providing supervisory, personal, or directed care on a 24-hour basis of more than 10 persons who are incapable of self-preservation by responding to an emergency situation without physical assistance from staff. A facility such as the above with then or fewer persons shall be classified as R-4 Condition 2.

SECTION 310.2 DEFINITIONS is hereby amended by addition of the following new words and terms as defined in Chapter 2:

#### RESIDENTIAL CARE/ASSISTED LIVING HOME

SECTION 310.6 RESIDENTIAL GROUP R-4 is hereby deleted in its entirety and revised to read as follows:

310.6 Residential Group R-4. This occupancy shall include buildings, structures or portions thereof arranged for occupancy as residential care/assisted living homes including not more than 10 occupants, excluding staff. R-4 occupancies shall meet the requirements for construction as defined in Group R-3 except as otherwise provided for in this code and Section 425 or shall comply with the International Residential Code in

accordance with Section 102.2 where the building is in compliance with Section 425 of this code.

SECTION 310.6 RESIDENTIAL GROUP R-4 is amended by addition of SECTION 310.6.1 to read as follows:

310.6.1 Condition 1. This occupancy condition shall include facilities licensed to provide supervisory care services, in which occupants are capable of self-preservation by responding to an emergency situation without physical assistance from staff. Condition 1 facilities housing more than 10 persons shall be classified as a Group I-1.

SECTION 310.6 RESIDENTIAL GROUP R-4 is amended by addition of SECTION 310.6.2 to read as follows:

310.6.2 Condition 2. This occupancy condition shall include facilities licensed to provide personal or directed care services, in which occupants are incapable of self-preservation by responding to an emergency without physical assistance from staff. Condition 2 facilities housing more than 10 persons shall be classified as Group I-2.

CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AN OCCUPANCY is amended by addition of SECTION 425 RESIDENTIAL CARE/ASSISTED LIVING HOME to read as follows:

#### SECTION 425 RESIDENTIAL CARE/ASSISTED LIVING HOME

A building or part thereof housing a maximum of 10 persons, excluding staff, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment which provides supervisory, personal, or directed services. This classification shall include, but not be limited to, the following:

- Residential Board and Care Facilities
- Assisted Living Homes
- Halfway Homes
- Group Homes
- Congregate Care Facilities
- Social Rehabilitation Facilities
- Social Rehabilitation Facilities
- Alcohol and Drug Abuse Centers
- Convalescent Facilities

425.1 Applicability. The provisions of this section shall apply to a building or part thereof housing not more than 10 persons, excluding staff, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment which provides licensed care services. Except as specifically required by this code, R-4 occupancies shall meet all applicable provisions of Group R-3.

425.2 General. Buildings or portions of buildings classified as R-4 occupancies shall meet all the applicable provisions of Group R-3, may be constructed of any materials allowed by this code, shall not exceed two stories in height nor be located above the second story in any building, and not exceed 2,000 square feet above the first story except as provided in Section 506.

425.3 Special Provisions. R-4 occupancies having more than 2,000 square feet of floor area above the first floor shall be of not less than one-hour fire-resistive construction throughout.

425.3.1 Mixed Uses. R-4 occupancies shall be separated for other uses as provided in Table 508.4.

425.4 Access and Means of Egress Facilities.

425.4.1 Accessibility. R-4 occupancies shall be provided with at least one accessible route as per Chapter 11

as amended by Yavapai County. Sleeping rooms and associated toilet rooms shall also be accessible as per Chapter 11 as amended by the Town of Camp Verde.

Exception: Existing buildings shall comply with Section 3411 of this code. Bathing and toilet facilities need not be made accessible, but shall be provided with grab bars in accordance with ICC/ANSI A 117.1

#### 425.4.2 Exits.

425.4.2.1 Number of Exits. Every story, basement, or portion thereof shall have not less than two exits.

Exception: Basements and stories above the first floor containing no sleeping rooms may have one means of egress as provided in Chapter 10 of this code.

425.4.2.2 Distance to Exits. The maximum travel distance shall comply with Section 1016, except the maximum travel distance from the center point of any sleeping room to an exit shall not exceed 75 feet.

425.2.3 Emergency Exit Illumination. In the event of a power failure, exit illumination shall be automatically provided from an emergency system powered by storage batteries or an onsite generator set installed in accordance with the 2011 NEC.

425.2.4 Emergency Escape and Rescue. R-4 occupancies shall comply with the requirements of Section 1029.

#### 425.5 Smoke Detectors and Sprinkler Systems.

425.5.1 Smoke Alarms. All habitable rooms and hallways in R-4 occupancies shall be provided with smoke alarms installed in accordance with Section 907.2.10 and 907.2.11.

425.5.2 Sprinkler Systems. R-4 occupancies shall be provided with a sprinkler system installed in accordance with Section 903.2.8. Sprinkler systems installed under this section shall be installed throughout, including attached garages, and in Condition 2 facilities shall include attics and concealed spaces of or containing combustible materials. Such systems may not contain unsupervised valves between the domestic water riser control valve and the sprinklers. In R-4 Condition 2 occupancies, such systems shall contain water-flow switches electrically supervised by an approved supervising station, and shall sound an audible signal at a constantly attended location.

**SECTION 705.6 STRUCTURAL STABILITY is hereby deleted in its entirety.**

**SECTION 714.4.1.1 THROUGH PENETRATIONS EXCEPTION 2 is hereby deleted in its entirety.**

**SECTION 903.2.8 GROUP R is hereby deleted in its entirety.**

SECTION 1008.1.2 DOOR SWING EXCEPTION 4 is hereby deleted in its entirety and revised to read as follows:

4. Doors within or serving a single dwelling unit in Group R-2, R-3 as applicable in Section 101.2, and R-4.

SECTION 1101.2 DESIGN is hereby deleted in its entirety and revised to read as follows:

1101.2 Design. Buildings and facilities shall be designed and constructed to be accessible in accordance with the following:

1. The 2010 standards for State and local governments, which consist of Title II regulations at 28 CFR 35.15. and 2004 ADAAG at 36 CFR part 1191, Appendices B and D;

2. The 2010 standards for public accommodations and commercial facilities, which consist of the Title III regulations at 28 CFR 366 Subpart D, and the 2004 ADAAG at 36 CFR part 1191, Appendices B and D;
3. This code;
4. ICC A117.1-09.

CHAPTER 13 ENERGY EFFICIENCY is hereby deleted in its entirety.

**SECTION 1509.7.2 FIRE CLASSIFICATION is hereby deleted in its entirety.**

TABLE 1607.1 MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS,  $L_0$ , AND MINIMUM CONCENTRATED LIVE LOADS<sup>6</sup> is hereby amended to read as follows:

25. Residential

One- and two-family dwellings

Uninhabitable attics with storage	40
Habitable attics and sleeping areas	40

SECTION 1612 FLOOD LOADS is hereby deleted in its entirety.

SECTION 1804.4 GRADING AND FILL IN FLOOD HAZARD AREAS is hereby deleted in its entirety.

CHAPTER 29 PLUMBING SYSTEMS is hereby deleted in its entirety.

SECTION 3109 SWIMMING POOL ENCLOSURES AND SAFETY DEVICES is hereby deleted in its entirety.

SECTION 3109.3 PUBLIC SWIMMING POOLS is hereby amended to read as follows:

3109.3 Public swimming pools. Public swimming pools shall be completely enclosed by a fence not less than 5 feet (5') in height or a screen enclosure. Openings in the fence shall not permit the passage of a 4-inch-diameter (102 mm) sphere. The fence or screen enclosure shall be equipped with self-closing and self-latching gates.

SECTION 3109.4.1 BARRIERS HEIGHT AND CLEARANCES is hereby amended to read as follows:

3109.4.1 Barrier height and clearances. The top of the barrier shall be not less than sixty inches (60") above grade measured on the side of the barrier that faces away from the swimming pool. The vertical clearance between grade and the bottom of the barrier shall be not greater than 2 inches (51 mm) measured on the side of the barrier that faces away from the swimming pool. Where the top of the pool structure is above grade, the barrier is authorized to be a ground level or mounted on top of the pool structure, and the vertical clearance between the top of the pool structure and the bottom of the barrier shall be not greater than 4 inches (102 mm).

SECTION 3109.4.1.7 GATES is hereby amended to read as follows:

3109.4.1.7 Gates. Access doors or gates shall comply with the requirements of Sections 3109.4.1.1 through 3109.4.1.6 and shall be equipped to accommodate a locking device. Pedestrian access doors or gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Doors or gates other than pedestrian access doors or gates shall have a self-latching device. Release mechanisms shall be in accordance with Sections 1008.1.9 and 1109.13. Where the release mechanism of the self-latching device is located less than fifty-four inches (54") from the bottom of the gate, the release mechanism shall be located on the pool side of the gate at least five inches (5") below the top of the gate, and the gate and barrier shall

have openings not greater than ½ inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.

SECTION 3109.4.1.8 DWELLING WALL AS A BARRIER is hereby amended by the addition of number 4 to read as follows:

4. Emergency escape and rescue windows for sleeping rooms which face within a swimming pool enclosure shall be equipped with a latching device located fifty-four inches (54") above the floor. All other operable dwelling unit windows facing within the swimming pool enclosure shall be equipped with screwed-in-place wire mesh screen, a keyed lock that prevents opening the window more than four inches (4"), or a latching device located not less than fifty-four inches (54") above the floor.

SECTION 3111 SOLAR PHOTOVOLTAIC PANELS/MODULES is hereby deleted in its entirety.

SECTION 3401.3 COMPLIANCE is hereby amended by deletion of International Energy Conservation Code, International Fire Code, and International Private Sewage Disposal Code.

SECTION 3403.2 FLOOD HAZARD AREAS is hereby deleted in its entirety.

SECTION 3404.2 FLOOD HAZARD AREAS is hereby deleted in its entirety.

SECTION 3409.2 FLOOD HAZARD AREAS is hereby deleted in its entirety.

SECTION 3412.2 APPLICABILITY is hereby amended to read as follows:

3412.2 Applicability. Structures existing prior to [INSERT DATE], in which there is work involving additions, alterations or changes of occupancy shall be made to comply with the requirements of this section or the provisions of Sections 3403 through 3409. The provisions in Sections 3412.2.1 through 3412.2.5 shall apply to existing occupancies that will continue to be, or are proposed to be, in Groups A, B, E, F, M, R, S and U. These provisions shall not apply to buildings with occupancies in Group H or 1.

SECTION 3412.2.4.1 FLOOD HAZARD AREAS is hereby deleted in its entirety.

INTERNATIONAL RESIDENTIAL CODE, 2006 2012 EDITION, ADOPTED BY REFERENCE

The International Residential Code, 2006 2012 Edition, including Appendixes A, B, C, G, H, J, and Q, **M – HOME DAY CARE – R-3 OCCUPANCY, APPENDIX N – VENTING METHODS, AND APPENDIX Q – ICC INTERNATIONAL RESIDENTIAL CODE ELECTRICAL PROVISIONS/NATIONAL ELECTRICAL CODE CROSS REFERENCE**, and hereby referred to, adopted, and made a part here of as set forth herein, excepting such portions as are hereinafter deleted, modified or amended.

CHAPTER 1 ADMINISTRATION is deleted in its entirety and replaced with the requirements of the Town of Camp Verde Administrative Building Code as adopted and from time to time amended.

SECTION R301 – DESIGN CRITERIA

TABLE R301.2 (1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA is hereby amended to read as follows:

Roof Snow Load	Wind Speed (mph)	Seismic Design Category	SUBJECT TO DAMAGE FROM			Winter Design Temp	Ice Barrier Underlayment Required
			Weathering	Frost Line Depth	TERMITE		

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20	90 MPH Exposure C	C	Moderate	12 inches (305 mm)	Moderate to Heavy	20°	NO
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Flood Hazards	Air Freezing Index	Mean Annual Temp
Refer to Flood Plain Unit	194	53°

TABLE R301.5 IS AMENDED BY DELETION OF DESIGN LOAD 20 IN ATTICS WITH STORAGE AND 30 IN SLEEPING ROOMS AND REPLACE WITH 40 IN BOTH AREAS.

**TABLE R301.5 MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS (IN POUNDS PER SQUARE FOOT) is hereby amended to read as follows:**

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

USE	LIVE LOAD
Uninhabitable attics without storage	10
Uninhabitable attics with limited storage	40
Habitable attics and attics served with fixed stairs	40
Balconies (exterior) and decks	40
Fire escapes	40
Guardrails and handrails	200
Guardrail in-fill components	50
Passenger vehicle garages	50
Rooms other than sleeping room	40
Sleeping Rooms	40
Stairs	40

**TABLE R302.1(1) EXTERIOR WALLS is hereby amended to read as follows:**

**TABLE R302.1(1)  
EXTERIOR WALLS**

EXTERIOR WALL ELEMENT	MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE
Walls	Fire-resistance rated	2 hours fire resistance rating < 5 feet
	Not fire-resistance rated	0 hours ≥ 5 feet
Projections	Fire-resistance rated	1 hour on the underside ≥ 2 feet to < 5 feet
	Not fire-resistance rated	0 hours ≥ 5 feet
Openings in walls	Not allowed	N/A < 3 feet

	25% maximum of wall area	0 hours	3 feet
	Unlimited	0 hours	5 feet
Penetrations	All	2 hours fire resistance rating	< 5 feet
		None required	5 feet

**SECTION R302.5.1 OPENING PROTECTION** is hereby amended to read as follows:

**R302.5.1 Opening protection.** Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honey-comb-core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors, equipped with a self-closing and self-latching device.

**TABLE R302.6 DWELLING/GARAGE SEPARATION** is hereby amended to read as follows:

SEPARATION	MATERIAL
From the residence and attics	Not less than 5/8-inch Type X gypsum board or equivalent applied to the garage side
From all habitable rooms above the garage	Not less than 5/8-inch Type X gypsum board or equivalent
Structure(s) supporting floor/ceiling assemblies used for separation required by this section	Not less than 5/8-inch Type X gypsum board or equivalent
Garages located less than 3 feet from a dwelling unit on the same lot	Not less than 5/8-inch Type X gypsum board or equivalent applied to the interior side of exterior walls that are within this area

**SECTION 308.4.6 GLAZING ADJACENT STAIRS AND RAMPS** is hereby amended to read as follows:

**R308.4.6 Glazing adjacent stairs and ramps.** Glazing where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) above the plane of the adjacent walking surface of stairways, landings between flights of stairs and ramps shall be considered a hazardous location.

**SECTION 308.4.7 GLAZING ADJACENT TO THE BOTTOM OF STAIR LANDING** is hereby amended to read as follows:

**R308.4.7 Glazing adjacent to the bottom stair landing.** Glazing adjacent to the landing at the bottom of a stairway where the glazing is less than 60 inches (1524 mm) above the landing and within 60 inches (1524 mm) horizontally of the bottom tread shall be considered a hazardous location.

**SECTION R309.1.1 – OPENING PROTECTION** is hereby amended by the addition of section R309.1.1 and is hereby amended to read as follows:

**R309.1.1 Opening protection.** Doors providing protection shall be maintained self-closing and self-latching.

**SECTION R309.5 FIRE SPRINKLERS** is hereby amended to read as follows:

**R309.5 Fire sprinklers.** In homes with livable space greater than 5,000 square feet private garages shall be protected by fire sprinklers where the garage wall has been designed based on Table R302.1

(2), Footnote a. Sprinklers in garages shall be connected to an automatic sprinkler system that complies with Section P2904. Garage sprinklers shall be residential sprinklers or quick-response sprinklers, designed to provide a density of 0.05 gpm/ft<sup>2</sup>. Garage doors shall not be considered obstructions with respect to sprinkler placement.

**SECTION R310.1 EMERGENCY ESCAPE AND RESCUE REQUIRED** is hereby amended to read as follows:

**R310.1 Emergency escape and rescue required.** Basements, habitable attics and every sleeping room shall have at least one operable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room. Where emergency escape and rescue openings are provided they shall have a sill height of not more than 44 inches (1118 mm) measured from the finished floor to the bottom of the sill. Where a door opening having a threshold below the adjacent ground elevation serves as an emergency escape and rescue opening and is provided with a bulkhead enclosure, the bulkhead enclosure shall comply with Section R310.3. The net clear opening dimensions required by this section shall be obtained by the normal operation of the emergency escape and rescue openings with a finished sill height below the adjacent ground elevation shall be provided with a window well in accordance with Section R310.2. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court that opens to a public way.

**SECTION R311.3.1 FLOOR ELEVATIONS AT THE REQUIRED EGRESS DOORS** is hereby amended to read as follows:

**R311.3.1 Floor elevations at the required egress doors.** Landings or finished floors at the required egress door shall not be more than 1 ½ inches (38 mm) lower than the top of the threshold.

Exception: The landing or floor on the exterior side shall not be more than 8 inches (203 mm) below the top of the threshold provided the door does not swing over the landing or floor.

Where exterior landings or floors serving the required egress door are not at grade, they shall be provided with access to grade by means of a ramp in accordance with Section R311.8 or a stairway in accordance with Section R311.7.

**SECTION R311.3.2 FLOOR ELEVATIONS FOR OTHER EXTERIOR DOORS** is hereby amended to read as follows:

**R311.3.2 Floor elevations for other exterior doors.** Doors other than the required egress door shall be provided with landings or floors not more than 8 inches (203 mm) below the top of the threshold.

Exception: A landing is not required where a stairway of two or fewer risers is located on the exterior side of the door, provided the door does not swing over the stairway.

**SECTION R311.5 CONSTRUCTION** is hereby amended by addition of SECTION R311.5.2 to read as follow:

**R311.5.2 Enclosed accessible space under stairs** shall have walls, under stair surface and any soffits protected on the enclosed side with 5/8-inch Type X gypsum wallboard.

**SECTION R311.7.5.1 RISERS** is hereby amended to read as follows:

**R311.7.5.1 Risers.** The maximum riser height shall be 8 inches (203 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Risers shall be vertical or sloped from the underside of the nosing of the tread above at an angle not more than 30 degrees (0.51 rad) from the vertical. Open risers are permitted provided that the opening between treads does not permit the passage of a 4-inch-diameter (102 mm) sphere.

**SECTION R311.7.8.2 CONTINUITY** is hereby amended to read as follows:

**R311.7.8.2 Continuity.** Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 2 inches (50 mm) between the wall and the handrails.

**Exceptions:**

1. Handrails shall be permitted to be interrupted by a newel post at the turn.
2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.

**SECTION R311.8.3.3 CONTINUITY** is hereby amended to read as follows:

**R311.8.3.3. Continuity.** Handrails where required on ramps shall be continuous for the full length of the ramp. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 2 inches (50 mm) between the wall and the handrails.

**SECTION R313.2 ONE- AND TWO-FAMILY DWELLINGS AUTOMATIC FIRE SYSTEMS** is hereby amended to read as follows:

**R313.2 One- and two-family dwellings automatic fire systems.** An automatic residential fire sprinkler system shall be installed in one- and two-family dwellings when either of the two conditions listed below exist.

1. When such buildings have more than 5,000 square feet of livable area.
2. When operational procedures include provisions that more than one person not capable of self-preservation, that is unrelated to the person in control of the property may occupy a residential unit for more than ten consecutive days.

**Exception:**

An automatic residential fire sprinkler system shall not be required for additions or alterations to existing buildings that are not already provided with an automatic residential sprinkler system.

**SECTION R320.1 SCOPE** is hereby amended to read as follows:

**R320.1 Scope.** Where disabled, unrelated persons occupy a residential unit, the building and bedroom entry, main level living area and at least one bathroom to be used by such persons shall comply with the provisions of Chapter 11 of the International Building code. Where there are four or more dwelling units or sleeping units in a single structure, the provisions of Chapter 11 of the International Building Code for Group R-3 shall apply.

**SECTION 403.1.1 MINIMUM SIZE** is hereby amended by addition of the following section to read as follows:

**R403.1.1 Minimum size.** Continuous spread concrete footings shall be reinforced with at least one No. 4 horizontal reinforcement bar located three inches (76 mm) from the bottom of the footing. Monolithic interior and exterior concrete footings shall be reinforced with at least one No. 4 horizontal bar located three inches (76 mm) from the bottom of the footing and one No. 4 bar located three inches (76 mm) from the top of the slab. Pier and column footings shall be reinforced with one No. 4 horizontal bar spaced no more than twelve inches (305 mm) in each direction and located three inches (76 mm) from the bottom of the footing.

**SECTION R403.1.3.1 FOUNDATIONS AND STEM WALLS** is hereby deleted in its entirety and revised to read as

follows:

R403.1.3.1 Foundations and stem walls. Foundations and stem walls shall be provided with the following steel reinforcement, unless an engineered design is provided:

1. For non-retaining stem walls less than twenty four inches (610 mm) in height, a bond beam composed of one No. 4 horizontal bar is required at the top of the wall and one No. 4 vertical bar is provided at forty-eight inches (1219 mm) on center. The vertical reinforcement shall extend into the footing with a bent hook having a minimum of six-inch (152 mm) 90° bend.
2. For stem walls twenty-four inches (610 mm) to forty-eight inches (1219 mm) in height, a bond beam composed of two No. 4 horizontal bar, or one No. 5 bar is required at the top of the wall and one No. 4 vertical bar is provided at forty-eight inches (1219 mm) on center. The vertical reinforcement shall extend into the footing with a bent hook having a minimum of six-inch (152 mm) 90° bend.

SECTION R404.1.1 MASONRY FOUNDATION WALLS is hereby amended by deletion in its entirety and revised to read as follows:

R404.1.1 Masonry foundation walls. Concrete masonry foundation walls shall be constructed as set forth in Tables R404.1.1 (2), (3) and (4) for the most restrictive design soil class provided that the minimum vertical reinforcement is one No. 4 spaced no more than forty-eight inches (1219 mm) on center and shall also comply with the provisions of this section and the applicable provisions of Sections R606, R607 and R608. In Seismic Design Category D<sub>0</sub>, D<sub>1</sub> and D<sub>2</sub>, concrete masonry foundation walls shall comply with Section R404.1.4. Rubble stone masonry walls shall not be used in Seismic Design Category D<sub>0</sub>, D<sub>1</sub> D<sub>2</sub> or C.

**TABLE 404.1.1(1) PLAIN MASONRY FOUNDATION WALLS and all references to said table are hereby deleted in its entirety and revised to read as follows:**

**TABLE 404.1.1(1) PLAIN MASONRY FOUNDATION WALLS. Plain masonry foundation walls shall be constructed as set forth in tables 404.1.1(2), (3) and (4) for the most restrictive design soil class and shall also comply with the provisions of sections R606, R607 and R608. Bond beam and vertical steel to be tied every 200 bar diameter or 10 feet.**

**TABLE 404.1.1(2) 8-INCH MASONRY FOUNDATION WALLS WITH REINFORCING WHERE  $d > 5$  INCHES is hereby amended with the addition of subsection F to read as follows:**

**F. One #4 (#13) bar placed horizontally for stem walls less than 24 inches, two #4 (#13) or one #5 bar placed horizontally at the top of the wall for walls 24 inches to 48 inches. Bond beam and vertical steel to be tied every 200 bar diameter or 10 feet.**

**TABLE 404.1.1(3) 10-INCH MASONRY FOUNDATION WALLS WITH REINFORCING WHERE  $D > 6.75$  INCHES is hereby amended with the addition of subsection F to read as follows:**

**F. One #4 (#13) bar placed horizontally for stem walls less than 24 inches, two #4 (#13) or one #5 bar placed horizontally at the top of the wall for walls 24 inches to 48 inches. Bond beam and vertical steel to be tied every 200 bar diameter or 10 feet.**

**TABLE 404.1.1(4) 12-INCH MASONRY FOUNDATION WALLS WITH REINFORCING WHERE  $d > 8.75$  INCHES is hereby amended with the addition of subsection F to read as follows:**

**F. One #4 (#13) bar placed horizontally for stem walls less than 24 inches, two #4 (#13) or one #5 bar placed horizontally at the top of the wall for walls 24 inches to 48 inches. Bond beam and vertical steel to be tied every 200 bar diameter or 10 feet.**

TABLE R404.1.1 (5) FOUNDATIONS, CONCRETE FOUNDATION WALLS is hereby amended by the addition of new subsection "m" to read as follows:

R404.1.1 (5) Foundations; concrete foundation walls.

m. Where Table R404.1.1 (5) permits plain concrete walls, not less than one No. 4 vertical bar at a spacing not to exceed forty eight inches (1219 mm) on center, shall be provided.

SECTION R404.1.8 RUBBLE STONE MASONRY is hereby deleted in its entirety.

TABLE R404.4 (2) — 7.5 inch thick flat ICF foundation walls, subsection "c" is hereby deleted and replaced with a new subsection "c" to read as follows:

c. N/R denotes not less than one No. 4 vertical bar at a spacing not to exceed forty eight inches (1219 mm) on center, shall be provided.

TABLE R404.4 (3) — 9.5 inch thick flat ICF foundation walls, subsection "c" is hereby deleted and replaced with a new subsection "c" to read as follows:

c. N/R denotes not less than one No. 4 vertical bar at a spacing not to exceed forty eight inches (1219 mm) on center, shall be provided.

**SECTION R606.9.1 HORIZONTAL LATERAL SUPPORT is hereby deleted in its entirety and amended to read as follows:**

**R606.9.1 Minimum reinforcement requirements for masonry elements. Masonry elements shall be reinforced by at least one #4 rebar, in both the horizontal and vertical directions at no further than 4 feet on center. Additionally, a single #4 rebar is required within 6 inches (152 mm) of the top of masonry walls, placed horizontally and also within 18 inches (457 mm) vertically placed at the end of the wall and at openings.**

**SECTION 2503.5.1 ROUGH PLUMBING is hereby amended to read as follows:**

**2503.5.1 Rough plumbing. DVW systems shall be tested on completion of the rough piping installation by water or by air with no evidence of leakage. Either test shall be applied to the drainage system in its entirety or in sections after rough piping has been installed as follows:**

- 1. Water test. Each section shall be filled with water to a point not less than 10 feet (3048 mm) above the highest fitting connection in that section, or to the highest point in the completed system. Water shall be held in the section under test for a period of 15 minutes. The system shall prove leak free by visual inspection.**
- 2. Air test. The portion under test shall be maintained at a gage pressure of 5 pounds per square inch (psi) (34 kPa) or 10 inches of mercury column (34 kPa). This pressure shall be held without introduction of additional air for a period of 15 minutes.**

SECTION P2603.6.1 Sewer depth is hereby amended to read as follows:

P2603.6.1 Sewer depth. Building sewers that connect to private sewage disposal systems shall be a minimum of twelve inches (305 mm) below finished grade at the point of septic tank connection. Building sewers shall be a minimum of twelve inches (305 mm) below grade. All nonmetallic building sewers shall be installed with a green 18 AWG tracer wire terminating 12 inches (305 mm) above grade at each end.

SECTION P2603.6 **P2603.5** FREEZING is amended by the revision of the last sentence to read as follows:

~~P2603.6~~ **P2603.5** Freezing. Water service pipe shall be installed not less than eighteen inches (457 mm) deep and not less than six inches (152 mm) below the frost line. All nonmetallic piping shall be installed with a blue 18 AWG tracer wire terminating 12 inches (305 mm) above grade at each end.

**SECTION P2904.1.1 REQUIRED SPRINKLER LOCATIONS** is hereby amended to read as follows:

**P2904.1.1 Required sprinkler locations. Sprinklers shall be installed to protect all areas of a dwelling unit as specified in amended section R313.2 and in townhouses.**

## SECTION AG 102—DEFINITIONS

SWIMMING POOL is amended to read as follows:

SWIMMING POOL. Any structure intended for swimming or recreational bathing that contains water over eighteen (457 mm) inches deep. This includes in-ground, aboveground swimming pools, hot tubs and spas.

SECTION AG103.2—Aboveground and on-ground pools section is amended by the insertion of Exception to read as follows:

AG103.2—Above ground and on-ground pools:

Exception: Prefabricated swimming pools accessory to detached one and two family dwellings and multiple single family dwellings (townhouses) not more than three stories above grade plane in height in which the pool walls are entirely above the adjacent grade and if the capacity does not exceed 5,000 gallons.

SECTION AG 105.2—Outdoor swimming pool is hereby amended to read as follows:

#1 is amended by the deletion of forty eight inches (1219 mm) and the insertion of sixty inches (1524 mm).

#6 is amended by the deletion of 2 ¼ inches (57 mm) square and the insertion of 1 ¾ inches (44 mm) square.

#8 first sentence is amended to read as follows:

8. Access gates shall comply with the requirements of Section AG105.2, Items 1 through 7, and shall be self-closing and self-latching.

Subsection 8.1 is amended to read as follows:

8.1 The release mechanism shall be located on the poolside of the gate at least five inches (127 mm) below the top of the gate.

#9 is revised by the addition of a new Section 9.4 to read as follows:

9.4 Emergency escape and rescue windows for sleeping rooms which face within a swimming pool enclosure shall be equipped with a latching device located fifty four inches (1372 mm) above the floor. All other operable dwelling-unit windows facing within the swimming pool enclosure shall be equipped with screwed-in place wire mesh screen, a keyed lock that prevents opening the window more than four inches (102 mm), or a latching device located not less than fifty four inches (1372 mm) above the floor.

~~SECTION 3401.3 – Compliance with other codes is amended by deletion of International Private Sewage Disposal Code, and ICC Electric Code.~~

### **INTERNATIONAL FUEL GAS CODE, 2012 EDITION, ADOPTED BY REFERENCE**

The International Fuel Gas Code, 2012 Edition, including Appendixes A, B, C and D, and hereby referred to, adopted, and made a part here of as set forth herein, excepting such portions as are hereinafter deleted, modified or amended.

**CHAPTER 1 ADMINISTRATION.** Is deleted in its entirety and replaced with the requirements of the Town of Camp Verde Administrative Building Code as adopted and from time to time amended.

SECTION 404.9 – Minimum burial depth is amended by adding the following sentence to the end of the section to read as follows:

404.9 – Minimum burial depth. Underground ferrous gas piping shall be electrically isolated from the rest of the gas system with listed or approved isolation fittings (dielectric union) installed a minimum six inches (152 mm) above grade. All nonmetallic piping shall be installed with a yellow 18 AWG tracer wire terminating 12 inches (305 mm) above grade at each end.

SECTION 409.1.3 – Gas piping installations, Shutoff valves, Access to shutoff valves is hereby amended by adding a second sentence to read as follows:

409.1.3 – Gas piping installations, Shutoff valves, Access to shutoff valves. All buildings shall be provided with a shutoff valve located at the building on the downstream side of the gas meter.

### **INTERNATIONAL MECHANICAL CODE, 2012 EDITION, ADOPTED BY REFERENCE**

The International Mechanical Code, 2012 Edition, including Appendix A and hereby referred to, adopted, and made a part here of as set forth herein, excepting such portions as are hereinafter deleted, modified or amended.

**CHAPTER 1 - ADMINISTRATION.** Is deleted in its entirety and replaced with the requirements of the Town of Camp Verde Administrative Building Code as adopted and from time to time amended.

### **INTERNATIONAL PLUMBING CODE, 2012 EDITION, ADOPTED BY REFERENCE**

The International Plumbing Code, 2012 Edition, including Appendixes B, D, F and G, and hereby referred to, adopted, and made a part here of as set forth herein, excepting such portions as are hereinafter deleted, modified or amended.

**CHAPTER 1 - ADMINISTRATION.** Is deleted in its entirety and replaced with the requirements of the Town of Camp Verde Administrative Building Code as adopted and from time to time amended.

SECTION 305.6.1 – Sewer depth is hereby amended to read as follows:

305.6.1 – Sewer depth. Building sewers that connect to private sewage disposal systems shall be a minimum of twelve inches (305 mm) below finished grade at the point of septic tank connection. All nonmetallic building sewers shall be installed with a green 18 AWG tracer wire terminating 12 inches (305 mm) above grade at each end.

## CHAPTER 4 - FIXTURES, FAUCETS AND FIXTURE FITTINGS

### SECTION 403 – Minimum Plumbing Facilities

TABLE 403.1 – Minimum number of required plumbing fixtures is hereby amended by addition of new footnote “e” to read as follows:

TABLE 403.1 – Minimum number of fixtures.

- e. Water coolers or bottled water dispensers may be substituted for drinking fountains in A, B and M occupancies with twenty-five (25) or fewer occupants.

SECTION 504.6 – Requirements for discharge pipe, Item #5 is amended to read as follows:

504.6 – Requirements for discharge pipe.

5. Discharge to the floor, to an indirect waste receptor or to the outdoors. Where discharging to the outdoors, discharge piping shall be no less than six inches (152 mm) and no greater than twenty-four inches (610 mm) from grade.

SECTION 603 – Water service pipe installation is hereby amended as a new section to read as follows:

603.1 – Water service pipe installation. The installation of the water service pipe shall comply with Section 603.1.1.

603.1.1 – Burial depth. The water service pipe shall be buried a minimum of eighteen inches (457 mm) below the finish grade. All nonmetallic service piping shall be installed with a blue 18 AWG tracer wire terminating 12 inches (305 mm) above grade at each end.

SECTION 715.1 – Sanitary drainage; Backwater valves; Sewage backflow is amended to read as follows:

715.1 – Sanitary drainage; Backwater valves; Sewage backflow. An approved backwater valve shall protect all structures connected to a public sewer system.

SECTION 904.1 – Roof extension is amended by the insertion of twelve inches (12”).

## NATIONAL ELECTRICAL CODE, 2011 EDITION, ADOPTED BY REFERENCE

The National Electrical Code, 2011 Edition, and hereby referred to, adopted, and made a part here of as set forth herein, excepting such portions as are hereinafter deleted, modified or amended.

ARTICLE 90-1 (E) – Administration and Enforcement is hereby added as a sub paragraph to read as follows:

ARTICLE 90-1 (E) – Administration and Enforcement – For the purpose of administration and enforcement of the requirements of this code and amendments thereto, the provisions of the Town of Camp Verde Administrative Building Code as adopted by separate ordinance, and as may be amended from time to time, shall apply.

ARTICLE 210.8 Ground-Fault Circuit –Interrupter Protection for Personnel is hereby amended to read as follows:

(7) Convenience receptacles located within six feet (1.8 m) of any sink, washbasin, tub or shower.

## INTERNATIONAL FIRE CODE, 2012 EDITION, ADOPTED BY REFERENCE

The International Fire Code, 2012 Edition and hereby referred to, adopted, and made a part here of as set forth herein,

excepting such portions as are hereinafter deleted, modified or amended.

**Chapter 1 Administration.** Is deleted in its entirety and replaced with the requirements of the Town of Camp Verde Administrative Building Code as adopted and from time to time amended.

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