2015 Code Adoption Proposal

January 2, 2015

City of Amarillo
Department of Building Safety

Department of Building Safety

December 29, 2014

The following tables represent the input and work involved in the process of updating Amarillo's construction codes:

Organizations in Support of Code Update

Organization	Support		Letter of Support
	Yes	*No*	
Associated General Contractors (AGC) *			
Texas Panhandle Roofing Contractors Association (TPRCA)*			
Plumbing Heating Cooling Contractors (PHCC) *			
Association of Pool and Spa Professionals (APSP) *			
Texas Blue Lake Pools			
AAA Electric			
Air Conditioning Contractors Association (ACCA) *			
Amarillo Glass Contractors			
American Institute of Architects (AIA) *			
Texas Panhandle Builders Association (TPBA) *			
Amarillo Electrical Contractors			

**Amarillo / Panhandle / local Chapter of larger organizations*

Construction Advisory and Appeals Board (CAAB)

CAAB Representative	CAAB Meetings Attended
Gary Ward, Chairman, Heating/Air Contractor	
Frank Wilburn, Vice Chair, Plumbing Contractor	
Bill Chudej, Real Estate	
Jeff Bryant, Residential Builder	
Shannon Brooks, Insurance Agent	
Daniel Henke, Engineer	
Gary Strickland, Commercial Builder	
Nolan Huckabay, Electrical Contractor	
Dana Williams-Walton, Architect	

2012 Foundation Subcommittee

Member, firm representing	Discipline
Dana Williams-Walton, Co-Chair	Architect
Ray Tillery, Co-Chair, ***Amarillo Testing***	Engineer
Mason Rogers, ***Amarillo AIA President, Playa Design***	Architect
George Abrahamson, ***Abrahamson & Associates***	Engineer
Mike Ritter, ***Dekker/Perich/Sabatinini***	Architect
Lo Van Pham, ***Western Builders***	Engineer
Brandon Robertson, ***Western Builders***	Engineer
Stephen Butler, ***A & E Design***	Architect
Tim Pillsbury, ***Zachry Engineering***	Engineer
Larry Brooks, ***LB Associates***	Engineer

Recommended Amendments to the 2015 International Building Code

City of Amarillo Texas

The following sections, paragraphs, and sentences of the *2015 International Building Code* are hereby amended as follows: Standard type is text from the IBC. Underlined type is text inserted. ~~Lined through type is deleted text from IBC.~~ A double asterisk (**) at the beginning of a section identifies an amendment carried over from the 2012 edition of the code and a triple asterisk (***) identifies a new or revised amendment with the 2015 code.

****Section 101.1; change to read as follows:**

101.1 Title. These regulations shall be known as the *Building Code* of ~~**[NAME OF JURISDICTION]**~~ **City of Amarillo,** hereinafter referred to as "this code."

(Reason: Standard insertion point: [insert] to assist with local adoption.)

****Section 101.4; change to read as follows:**

101.4 Referenced codes. The other codes listed in Sections 101.4.1 through 101.4.6 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference and as adopted and amended by the City of Amarillo.

(Reason: Standard insertion point: [insert] to assist with local adoption.)

****Section 101.4.3; change to read as follows:**

101.4.3 Plumbing. The provisions of the *International Plumbing Code* shall apply to the installation, *alteration*, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system. ~~The provisions of the *International Private Sewage Disposal Code* shall apply to private sewage disposal systems.~~

(Reason: Private sewage disposal systems are regulated in accordance with State law and Section 8-5-16 of the Amarillo Municipal Code.)

****Section 101.4.8: Add section; change to read as follows:**

101.4.8, Referenced standards. The use of the following International Code, though not adopted, can be used as a resource.

International Wildland-Urban Interface Code (IWUIC). The provisions of this code, though not adopted, may be applied to the construction, alteration, movement, repair, maintenance and use of any building, structure or premises within the Wildland-Urban interface areas in this jurisdiction.

(Reason: To provide an additional resource for construction and safeguarding of life and property. These standards are intended to mitigate the risk to life and structures from intrusion of wildland fire exposures in selected locations as may be deemed necessary)

*****Section 104.12 Add section; change to read as follows:**

104.12 Registration of contractors. The Building Official shall receive applications from and register contractors in accordance with Chapter 4-1 of the Municipal Code.

(Reason: To require registration of Contractors which perform work within the City of Amarillo)

The registered design professional who prepares construction documents shall have full responsibility for complying with Texas Occupations Code, Chapter 1001 (Engineers) or Chapter 1051 (Architects), as applicable, and shall affix *design professional* official seal to said drawings, specifications and accompanying data. Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a *registered design professional* if it is found that the nature of the work applied for is such that review of the *construction documents* is not necessary to obtain compliance with this code.

(Reason: Commercial structures over 5000SF present special life safety concerns best addressed by a licensed design professional.)

****Section 109.2: change to read as follows:**

109.2 Schedule of permit fees. On buildings, structures, electrical, gas, mechanical, and plumbing systems or *alterations* requiring a *permit*, a fee for each *permit* shall be paid as required, in accordance with ~~the schedule as established by the applicable governing authority.~~ Chapter 4-1 of the Municipal Code.

(Reason: Standard insertion point: [insert] to assist with local adoption.)

**** 109.3; change to read as follows:**

109.3 Building permit valuations. The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the *building official*, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the building official. If the applicant fails to present sufficient documentation to support the valuation on the application, ~~F~~final building permit valuation shall be set by the *building official* in accordance with the most current Building Valuation Data as published by the International Code Council or approved statements sufficient to clearly document all construction costs.

(Reason: Past practice of assigning value, provides consistent standard for valuation of construction.)

****Section 110.3: change to read as follows:**

110.3 Required inspections. The building official, upon notification, shall make the inspections set forth in Sections 110.3.1 through 110.3.10. No inspections shall be made on new construction until the site has been surveyed and all property corners have been physically identified.

(Reason: To clarify existing requirement for site survey)

****Section 113 Board of Appeals: Delete sections; change to read as follows:**

113.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the *building official* relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals.: ~~The board of appeals shall be appointed by the applicable governing authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business.~~ Construction Advisory and Appeals Board; see Chapter 2-6, of the Amarillo Municipal Code.

~~**113.2 Limitations on authority.** An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted there under have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The board shall have no authority to waive requirements of this code.~~

****Section 1503.4.4; Add subsection; change to read as follows:**

1503.4.4 Drainage across adjacent properties: No roof drainage or surface drainage shall drain onto adjacent properties except where an engineered drainage plan calls for drainage across properties, and the appropriate drainage easements have been recorded in the deed records, and the necessary physical measures for protection of the adjacent properties have been installed.

(Reason: To provide requirements to prevent unauthorized drainage across adjacent property lines)

***** 1507.8.1 change to read as follows:***

1507.8.1 Deck requirements. Wood shingles shall be used only on solid ~~or spaced~~ sheathing. ~~Where spaced sheathing is used, sheathing boards shall not be less than 1 inch by 4 inch (25mmby 102 mm) nominal dimensions and shall be spaced on centers equal to the weather exposure to coincide with the placement of fasteners.~~

(Reason: Due to the wind and blowing snow in the Panhandle, there is greater potential for wind driven snow blows between the shingles and into the attic area.)

****Section 1507.9.1; change to read as follows:**

1507.9.1 Deck requirements. Wood shakes shall be used only on solid ~~or spaced~~ sheathing. ~~Where spaced sheathing is used, sheathing boards shall not be less than 1 inch by 4 inch (25mmby 102 mm) nominal dimensions and shall be spaced on centers equal to the weather exposure to coincide with the placement of fasteners. Where 1 inch by 4 inch (25 mm by 102 mm) spaced sheathing is installed at 10 inches (254 mm) on center, additional 1 inch by 4 inch (25 mm by 102 mm) boards shall be installed between the sheathing boards.~~

(Reason: Due to the wind and blowing snow in the Panhandle, wind driven snow blows between the shingles and into the attic area.)

****Table 1507.9.6 amended as follows:**

TABLE 1507.9.6 WOOD SHAKE MATERIAL REQUIREMENTS

MATERIAL	MINIMUM GRADES	APPLICABLE GRADING RULES
Wood shakes of naturally durable wood	1	Cedar Shake and Shingle Bureau
Taper sawn shakes and shingles of naturally durable wood	1 ~~or 2~~	Cedar Shake and Shingle Bureau
Preservative-treated shakes and shingles of naturally durable wood	1	Cedar Shake and Shingle Bureau
Fire-retardant-treated shakes of naturally durable wood	1	Cedar Shake and Shingle Bureau
Preservative-treated taper sawn shakes of Southern pine treated in accordance with AWPA Standard U1 (Commodity Specification A, Use Category 3B and section 5.6)	1 or 2	Forest Products Laboratory of the Texas Forest Services

(Reason: modified for local blowing snow conditions)

******Section 1511.1; clarification; change to read as follows:***

1511.1 General. Materials and methods of application used for re-covering or replacing an existing roof covering shall comply with the requirements of Chapter 9, including but not limited to decking, flashing, and ventilation.

(Reason: Due to national insurance companies failure to interpret reroofing roofing requirements are the same as new.)

1612.1 General. All structures constructed within a Special Flood Hazard area as designated by Chapter 4-8, Flood Damage Mitigation, of the Municipal Code shall comply with Chapter 4-8 and other applicable sections of this code.

(Reason: To provide requirements in accordance with the Municipal Code)

****Section 1612.3; change to read as follows:**

1612.3 Establishment of flood hazard areas.
To establish *flood hazard areas*, the applicable governing authority shall adopt a flood hazard map and supporting data. The flood hazard map shall include, at a minimum, areas of special flood hazard as identified by the Federal Emergency Management Agency in an engineering report entitled "The Flood Insurance Study for ~~[INSERT NAME OF JURISDICTION]~~ **City of Amarillo**," ~~dated [INSERT DATE OF ISSUANCE]~~ (flood hazard Chap. 4-8 Amarillo Municipal Code), as amended or revised with the accompanying Flood Insurance Rate Map (FIRM) and Flood Boundary and Floodway Map (FBFM) and related supporting data along with any revisions thereto. The adopted flood hazard map and supporting data are hereby adopted by reference and declared to be part of this section. The City Engineer is responsible for *flood hazard areas*; references to the *building official* relating to *flood hazard areas* will have the same meaning as to the City Engineer or designated Flood Plain Manager.

(Reason: Flood hazard references should be to the city engineer or flood plain manager.)

****Section 1612.5: Add subsection; change to read as follows:**

1612.5 Flood hazard documentation. The following documentation shall be prepared and sealed by a *registered design professional* and submitted to the *building official*:

1. For construction in *flood hazard areas* other than high hazard areas or coastal A zones:
   1.1. The elevation of the lowest floor, including the basement, as required by the lowest floor elevation inspection in Section 110.3.3.
   1.2. For fully enclosed areas below the design flood elevation where provisions to allow for the automatic entry and exit of floodwaters do not meet the minimum requirements in Section 2.6.2.1 of ASCE 24, construction documents shall include a statement that the design will provide for equalization of hydrostatic flood forces in accordance with Section 2.6.2.2 of ASCE 24.
   1.3. For dry floodproofed nonresidential buildings, *construction documents* shall include a statement that the dry floodproofing is designed in accordance with ASCE 24.
   1.4. All structures constructed within a Special Flood Hazard area as designated by Chapter 4-8 of the Municipal Code shall be provided with a foundation system designed by a registered professional engineer or registered architect.

(Reason: To require engineered foundation systems in Flood Hazard Areas)

****Section 3202.2.4; Add Section; change to read as follows:**

3202.2.4 Landscaping terraces. Landscaping terraces may be constructed on public property when approved by the Building Official and the Director of Planning provided that:

1. The terrace does not encroach upon or impede passage along a public sidewalk;
2. The terrace is not installed so as to violate any traffic ordinance;
3. The terrace does not exceed the maximum allowed fence height; and
4. When the need arises for the repair or improvement of streets or utilities, the expense for moving the terrace shall be borne by the property owner.

(Reason: To provide an alternative method of streetscape where approved)

****Section 3301.3; Add section; change to read as follows.**

3301.3 Site maintenance. Each person engaged in the construction, alteration or repair of any building shall be responsible for placing all trash and debris in a container or enclosure until the trash and debris are removed from

changes per hour. Such systems shall be connected directly to the exterior. Outdoor kennels shall provide adequate shelter from sun, rain and cold weather.

(Reason: To provide for the operation of commercial animal kennels)

***Appendix J: Grading; is adopted with the following amendments; change to read as follows:**

SECTION J103 ~~PERMITS REQUIRED~~ RESERVED FOR FUTURE USE

~~**J103.1 Permits Required.** Except as exempted in Section J103.2, no grading shall be performed without first having obtained a permit therefor from the *building official*. A grading permit does not include the construction of retaining walls or other structures.~~

~~**J103.2 Exemptions.** A grading *permit* shall not be required for the following:~~

1. ~~Grading in an isolated, self-contained area, provided there is no danger to the public, and that such grading will not adversely affect adjoining properties.~~
2. ~~Excavation for construction of a structure permitted under this code.~~
3. ~~Cemetery graves.~~
4. ~~Refuse disposal sites controlled by other regulations.~~
5. ~~Excavations for wells, or trenches for utilities.~~
6. ~~Mining, quarrying, excavating, processing or stockpiling rock, sand, gravel, aggregate or clay controlled by other regulations, provided such operations do not affect the lateral support of, or significantly increase stresses in, soil on adjoining properties.~~
7. ~~Exploratory excavations performed under the direction of a registered design professional.~~

~~Exemption from the permit requirements of this appendix shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.~~

SECTION J104 ~~PERMIT APPLICATION AND SUBMITTALS~~ RESERVED FOR FUTURE USE

~~**J104.1 Submittal requirements.** In addition to the provisions of Section 105.3, the applicant shall state the estimated quantities of excavation and fill.~~

~~**J104.2 Site plan requirements.** In addition to the provisions of Section 107, a grading plan shall show the existing grade and finished grade in contour intervals of sufficient clarity to indicate the nature and extent of the work and show in detail that it complies with the requirements of this code. The plans shall show the existing grade on adjoining properties in sufficient detail to identify how grade changes will conform to the requirements of this code.~~

~~**J104.3 Geotechnical report.**~~

~~A geotechnical report prepared by a *registered design professional* shall be provided. The report shall contain at least the following:~~

1. ~~The nature and distribution of existing soils;~~
2. ~~Conclusions and recommendations for grading procedures;~~
3. ~~Soil design criteria for any structures or embankments required to accomplish the proposed grading; and~~
4. ~~Where necessary, slope stability studies, and recommendations and conclusions regarding site geology.~~

~~**Exception:** A geotechnical report is not required where the building code official determines that the nature of the work applied for is such that a report is not necessary.~~

~~**J104.4 Liquefaction study.**~~

~~For sites with mapped maximum considered earthquake spectral response accelerations at short periods (S_s) greater than 0.5g as determined by Section 1613, a study of the liquefaction potential of the site shall be provided, and the recommendations incorporated in the plans.~~

~~**Exception:** A liquefaction study is not required where the building official determines from established local data that the liquefaction potential is low.~~

Additional inspections. The *building official* may, when necessary to ensure compliance with this chapter, require additional inspections to the slab rough-in, rough-in and final inspections.

Special inspections. When in the opinion of the *building official* any proposed Electrical Installation involves unusual hazard or methods of installation, the *building official* may allow the electrical contractor responsible for the work to employ a special inspector who is competent in the particular type of Electrical Installation requiring a special inspection. The special inspector shall observe the work assigned to be certain it conforms to approved design drawings and specifications. All inspection reports shall be furnished to the *building official*, including a final signed report stating whether the work requiring special inspection was in conformance with the approved plans and specifications and applicable workmanship provisions of this chapter.

*****SECTION K111 ELECTRICAL PROVISIONS**

K111.1 Adoption.
Electrical systems and equipment shall be designed, constructed and installed in accordance with the ~~*International Residential Code* or~~ NFPA 70 as applicable, except as otherwise provided in this code.

END

Recommended Amendments to the 2015 International Energy Conservation Code

City of Amarillo Texas

The following sections, paragraphs, and sentences of the *2015 International Energy Conservation Code* are hereby amended as follows: Standard type is text from the IECC. Underlined type is text inserted. ~~Lined through type is deleted text from IECC.~~ A double asterisk (**) at the beginning of a section identifies an amendment carried over from the 2012 edition of the code and a triple asterisk (***) identifies a new or revised amendment with the 2015 code.

**** 101.1; insert: change to read as follows:***

C101.1 Title. This code shall be known as the *International Energy Conservation Code* of ~~[NAME OF JURISDICTION]~~ City of Amarillo, and shall be cited as such and will be referred to herein as "this code."

(Reason: Standard insertion point: [insert] to assist with local adoption.)

**** 104.1.1; insert: change to read as follows:***

C104.1.1 Contractor Registration. The Building Official shall receive applications from and register contractors according to the rules adopted by the City in Chapter 4-1 of the Amarillo Municipal Code.

(Reason: Amarillo Municipal Code has specific requirements for registration of contractors)

****107.2; change to read as follows:***

C107.2 Schedule of permit fees. A fee for each permit shall be paid as required, in accordance with the schedule as ~~established by the applicable governing authority.~~ provided in Chapter 4-1 of the Municipal Code of Ordinances.

(Reason: Standard insertion point to assist with local adoption)

****C107.3; change to read as follows:***

C107.3 Work commencing before permit issuance. Any person who commences any work before obtaining the necessary permits shall be subject to ~~an additional fee established by the *code official*, which shall be in addition to the required permit~~ fees as provided in Chapter 4-1 of the Municipal Code of Ordinances.

(Reason: Standard insertion point to assist with local adoption)

****C107.5; change to read as follows:***

C107.5 Refunds. ~~The *code official* is authorized to establish a refund policy.~~ Fee refunds shall be made in accordance with Chapter 4-1 of the Municipal Code.

(Reason: Standard insertion point to assist with local adoption)

**** 108.4; delete; change to read as follows:***

~~**C108.4 Failure to comply.** Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than **[AMOUNT]** dollars or more than **[AMOUNT]** dollars.~~

1. Air-impermeable spray foam products shall be permitted to be applied without additional joint seals.
2. Where a duct connection is made that is partially inaccessible, three screws or rivets shall be equally spaced on the exposed portion of the joint so as to prevent a hinge effect.
3. Continuously welded and locking-type longitudinal joints and seams in ducts operating at static pressures less than 2 inches of water column (500 Pa) pressure classification shall not require additional closure systems.

Duct tightness shall be verified by either of the following:

1. Postconstruction test: Total leakage shall be less than or equal to 4 cfm (113.3 L/min) per 100 square feet (9.29 m^2) of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.
2. Rough-in test: Total leakage shall be less than or equal to 4 cfm (113.3 L/min) per 100 ft^2 (9.29 m^2) of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure. All registers shall be taped or otherwise sealed during the test. If the air handler is not installed at the time of the test, total leakage shall be less than or equal to 3 cfm (85 L/min) per 100 square feet (9.29 m^2) of conditioned floor area.

   Exception: The total leakage test is not required for ducts and air handlers located entirely within the building thermal envelope.

Duct testing to be done by a company/person who is certified by a recognized accreditation organization and their equipment be recertified on an annual basis. Contractors who choose not to attain the required certification or use the proper testing tools will be required to engage the services of a certified tester.

(Reason: To ensure testing of duct tightness is performed by qualified individuals.)

END

Recommended Amendments to the 2015 International Plumbing Code

City of Amarillo Texas

The following sections, paragraphs, and sentences of the *2015 International Plumbing Code* are hereby amended as follows: Standard type is text from the IPC. Underlined type is text inserted. ~~Lined through type is deleted text from IPC.~~ A double asterisk (**) at the beginning of a section identifies an amendment carried over from the 2012 edition of the code and a triple asterisk (***) identifies a new or revised amendment with the 2015 code.

***Section 101.1.; change to read as follows: Insert: City of Amarillo**

Section 101.1 Title. These regulations shall be known as the *International Plumbing Code* of ~~[NAME OF JURISDICTION]~~ City of Amarillo hereinafter referred to as "this code."

(Reason: Standard insertion point: [insert] to assist with local adoption)

***106.6.1; change to read as follows:**

106.6.1 Work commencing before permit issuance. Any person who commences any work on a plumbing system before obtaining the necessary permits shall be subject to ~~100 percent of the usual permit fee in addition to the required permit fees.~~ fees as provided in Chapter 4-1 of the Municipal Code of Ordinances.

(Reason: Amarillo Municipal Code, Chapter 4-1-4, Late fee; offense provides specific language relating to this section)

***106.6.2; change to read as follows:**

Section 106.6.2 Fee schedule. ~~The fees for all plumbing work shall be as indicated in the following schedule: [JURISDICTION TO INSERT APPROPRIATE SCHEDULE]~~ Fees as provided in Chapter 4-1 of the Municipal Code of Ordinances.

(Reason: Standard insertion point: [insert] to assist with local adoption)

***106.6.3; change to read as follows:**

~~**106.6.3 Fee refunds.** The code official shall authorize the refunding of fees as follows:~~

1. ~~The full amount of any fee paid hereunder that was erroneously paid or collected.~~
2. ~~Not more than [SPECIFY PERCENTAGE] percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.~~
3. ~~Not more than [SPECIFY PERCENTAGE] percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~

~~The code official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.~~

(Reason: Standard insertion point: [insert] to assist with local adoption)

***108.4; Delete entirely (covered by general provisions in Code of Ordinances):**

~~**Section 108.5 Violations penalties.** Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.~~

(Reason: Covered by general provisions in Amarillo Code of Ordinances)

312.10.1 Inspections. Annual inspections shall be made of all backflow prevention assemblies and air gaps to determine whether they are operable. In the absence of local provisions, the owner is responsible to ensure that testing is performed.

312.10.2 Testing. Reduced pressure principle backflow preventer assemblies, double check-valve assemblies, pressure vacuum breaker assemblies, reduced pressure detector fire protection backflow prevention assemblies, double check detector fire protection backflow prevention assemblies, hose connection backflow preventers, and spill-proof vacuum breakers shall be tested at the time of installation, immediately after repairs or relocation and at least annually. The testing procedure shall be performed in accordance with applicable local provisions. In the absence of local provisions, the owner is responsible to ensure that testing is done in accordance with one of the following standards:

{list of standards unchanged}

(Reason: Recognize TCEQ or other local testing procedures that must be adhered to. To place responsibility of testing on the owner.)

***Section 702.1; Change to read as follows:**

702.1 Above-ground sanitary drainage and vent pipe.
Above-ground soil, waste and vent pipe shall conform to one of the standards listed in Table 702.1.

Table 702.1 ABOVE-GROUND DRAINAGE AND VENT PIPE

PIPE	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid ~~cellular core~~ or composite wall	ASTM D 2661; ASTM F 628; ASTM F 1488; CSA B181.1
Cast-iron pipe	ASTM A 74; CISPI 301; ASTM A 888
Copper or copper-alloy pipe	ASTM B 42; ASTM B 302
Copper or copper-alloy tubing (Type K, L, M or DWV)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 306
Galvanized steel pipe	ASTM A 53
Polyolefin pipe	CSA B181.3
Polyvinyl chloride (PVC) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid ~~cellular core~~ or composite wall	ASTM D 2665; ASTM F 891; CSA B181.2; ASTM F 1488
Polyvinyl chloride (PVC) plastic pipe with a 3.25 inch O.D. and a solid ~~cellular core~~ or composite wall	ASTM D 2949; ASTM F 1488
Stainless steel drainage systems, Types 304 and 316L	ASME A 112.3.1

(Reason: The use of cellular core pipe has proven to be an inferior product; repair work has exposed the material will/may not retain its proper shape, visual inspection exposed oblong or egg shaped piping; furthermore damage has resulted from routine maintenance; unclogging drains, etc.)

***Section 702.2; Change to read as follows:**

702.2 Underground building sanitary drainage and vent pipe.
Underground building sanitary drainage and vent pipe shall conform to one of the standards listed in Table 702.2.

TABLE 702.2 UNDERGROUND BUILDING DRAINAGE AND VENT PIPE

PIPE	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid ~~cellular core~~ or composite wall	ASTM D 2661; ASTM F 628; ASTM F 1488; CSA B181.1
Cast-iron pipe	ASTM A 74; CISPI 301; ASTM A 888
Copper or copper alloy tubing (Type K, L, M or DWV)	ASTM B 75; ASTM B 88; ASTM B 251;

(Reason: Standard insertion point: [insert] to assist with local adoption)

END

Recommended Amendments to the 2015 International Fuel Gas Code

City of Amarillo Texas

The following sections, paragraphs, and sentences of the *2015 International Fuel Gas Code* are hereby amended as follows: Standard type is text from the IPC. Underlined type is text inserted. ~~Lined through type is deleted text from IPC.~~ A double asterisk (**) at the beginning of a section identifies an amendment carried over from the 2012 edition of the code and a triple asterisk (***) identifies a new or revised amendment with the 2015 code.

***Section 101.1.; change to read as follows: Insert: City of Amarillo**

Section 101.1 Title. These regulations shall be known as the *International Fuel Gas Code* of ~~[NAME OF JURISDICTION]~~ City of Amarillo hereinafter referred to as "this code."

(Reason: Standard insertion point: [insert] to assist with local adoption)

***106.6.1; change to read as follows:**

106.6.1 Work commencing before permit issuance. Any person who commences any work on an installation before obtaining the necessary permits shall be subject to ~~100 percent of the usual permit fee in addition to the required permit fees.~~ fees as provided in Chapter 4-1 of the Municipal Code of Ordinances.

(Reason: Amarillo Municipal Code, Chapter 4-1-4, Late fee; offense provides specific language relating to this section)

***106.6.2; change to read as follows:**

Section 106.6.2 Fee schedule. ~~The fees for work shall be as indicated in the following schedule: [JURISDICTION TO INSERT APPROPRIATE SCHEDULE]~~ Fees as provided in Chapter 4-1 of the Municipal Code of Ordinances.

(Reason: Standard insertion point: [insert] to assist with local adoption)

***106.6.3; change to read as follows:**

~~**106.6.3 Fee refunds.** The code official shall authorize the refunding of fees as follows:~~

1. ~~The full amount of any fee paid hereunder that was erroneously paid or collected.~~
2. ~~Not more than [SPECIFY PERCENTAGE]~~ zero ~~percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.~~
3. ~~Not more than [SPECIFY PERCENTAGE]~~ fifty ~~percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~

~~The code official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.~~

(Reason: Standard insertion point: [insert] to assist with local adoption)

***108.4; Delete entirely (covered by general provisions in Code of Ordinances):**

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

(Reason: Covered by general provisions in Amarillo Code of Ordinances)

(Reason: Covered by general provisions in Amarillo Code of Ordinances)

108.5; Change to read as follows

108.5 Stop work orders. Upon notice from the code official that mechanical work that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable ~~to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.~~ for a fine as specified in the Municipal Code of Ordinances.

(Reason: For greater consistency with the general provisions in Amarillo Code of Ordinances)

307.3; Change to read as follows

307.3 Condensate Pumps. Condensate pumps located in uninhabitable space, such as attics and crawl spaces, shall be connected to the appliance or equipment served such that when the pump fails, the appliance or equipment will be prevented from operating. Pumps shall be installed in accordance with the manufacturer's instructions and shall not prevent the operation of fuel fired appliances.

(Reason: Heating units in the Panhandle are typically installed in unconditioned areas, shutting the heating equipment down may result in frozen plumbing if building is unoccupied for an extended period of time resulting in damage to interior finishes.)

*** *307.4; Add Section to read as follows:*

307.4 Auxiliary drain pan. Category IV condensing appliances shall have and auxiliary drain pan where damage to any building component will occur as a result of stoppage in the condensate drainage system or failure of a condensate pump. These pans shall be installed in accordance with the applicable provisions of Section 307.2.3 item (1.) and be provided under condensate pumps.

> ~~**Exception:** Fuel-fired *appliances* that automatically shut down operation in the event of a stoppage in the condensate drainage system.~~

(Reason: Modification of Section 307.3 limits the shutdown of heating units, this modification provides a means for building owners to observe drain pan drainage in the event of condensate pump failure and provide protection in the event of condensate pump failure.)

** *Section 918; add the following:*

918.1.2 Total electric heating: Primary central heating and cooling forced air systems utilizing only electric heat shall utilize heat pumps.

(Reason: Total electric heating without the use of heat pumps does not provide energy efficiency and results in excessive energy bill; it is not in the best interest of property owners.)

END

Recommended Amendments to the 2015 International Residential Code

City of Amarillo Texas

The following sections, paragraphs, and sentences of the *2015 International Residential Code* are hereby amended as follows: Standard type is text from the IRC. Underlined type is text inserted. ~~Lined through type is deleted text from IRC.~~ A double asterisk (**) at the beginning of a section identifies an amendment carried over from the 2012 edition of the code and a triple asterisk (***) identifies a new or revised amendment with the 2015 code.

**** 101.1; insert: change to read as follows:***

R101.1 Title. R101.1 Title. These provisions shall be known as the *Residential Code for One- and Two-family Dwellings* of ~~[NAME OF JURISDICTION]~~ City of Amarillo, and shall be cited as such and will be referred to herein as "this code."

(Reason: Standard insertion point: [insert] to assist with local adoption.)

**** 104.12; insert: change to read as follows:***

R104.12 Contractor Registration. The Building Official shall receive applications from and register contractors according to the rules adopted by the City in Chapter 4-1 of the Amarillo Municipal Code.

(Reason: Amarillo Municipal Code has specific requirements for registration of contractors)

**** 105.1; change to read as follows:***

R105.1 Required. Any owner or owner's authorized agent who intends to construct, enlarge, alter, repair, move, demolish or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the building official and obtain the required permit prior to start of demolition or construction activity.

Building permits issued to either registered contractors, or Homeowners. Building permits for construction of, alterations of, or additions to buildings and structures shall only be issued to either:

1. A residential building contractor registered in accordance with Chapter 4-1 of the Amarillo Municipal Code, or
2. A Homeowner, for work to be done on his property, when the Homeowner is acting as his own building contractor.

(Reason: Amarillo Municipal Code has specific requirements for registration of contractors; allowances for homeowners to obtain permit and inspections on their own home.)

**** 105.2; change to read as follows:***

R105.2 Work exempt from permit. *Permits* shall not be required for the following. Exemption from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.

Building:

1. One-story detached *accessory structures,* provided the floor area does not exceed 200 square feet (18.58 m^2).
2. Fences not over ~~7~~ 8 feet (2438mm) high.
3. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.
4. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18,927L) and the ratio of height to diameter or width does not exceed 2 to 1.

(Reason: Zoning ordinance permits zero lot line structures without openings.)

***** 301.2; Table R301.2(1) amended as follows:***

TABLE R301.2 (1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATERGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERLAYERMENT REQUIRED	FLOOD HAZARD	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed	Topographic effects	Special wind debris zone	Wind-borne debris zone		Weathering	Frost line depth	Termite					
20psf	115mph	NO	NO	NO	B	Moderate	18"	Moderate to heavy	20°	NO	AMC 4-8	311	57.2°

(Reason: Standard insertion point: [insert] to assist with local adoption.)

***** 310.1;* change to read as follows:**

R310.1 Exception: Storm shelters and basements used only to house mechanical equipment and not exceeding total floor area of ~~200~~ 400 square feet (~~18.58~~ 37.16m^2).

(Reason: Previous amendments have allowed for an interior storm shelter.)

***** Section 313; Delete entire section:***

~~**R313 Automatic Fire Sprinkler Systems**~~

(Reason: Requirements consistent with State law)

****** Section 315.2.2; change to read as follows:***

R315.2.2 Alterations, repairs and additions.
Where *alterations*, repairs or *additions* requiring a permit occur, or where one or more sleeping rooms are added or created in existing *dwellings*, the individual *dwelling unit* shall be equipped with carbon monoxide alarms located as required for new dwellings.

Exceptions:

1. Work involving the exterior surfaces of *dwellings*, such as the ~~replacement of roofing or siding, the addition or replacement of windows or doors, or the~~ addition of a porch or deck, are exempt from the requirements of this section.
2. Installation, alteration or repairs of plumbing ~~or mechanical~~ systems when all such work occurs on the exterior of dwellings, such as water or sewer lines, or lawn irrigation systems are exempt from the requirements of this section.

(Reason: The 2013 Hailstorm and resulting roofing inspections demonstrated the importance of requiring carbon monoxide alarm installation. As roofing operations occurred it was common for fuel-fired appliance vents to become disconnected or plugged creating hazards for occupants. Approximately 50% of those inspections resulted in fuel-fired venting failures. Furthermore, in order to provide early detection of carbon monoxide in dwellings, any work occurring inside, or affects the interior environment of the dwelling requires carbon monoxide alarm installation.)

***** Section 315.1; change to read as follows:***

R315.3 Carbon monoxide alarms. Carbon monoxide alarms in dwelling units shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms. Where a fuel-burning *appliances* is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom. Approved alarms shall be installed in accordance with manufacturers' installation instructions or located on the wall or ceiling at a height 42 inches above floor, avoiding

footings and foundations shall be designed, installed and tested in accordance with accepted engineering practice. Gravel fill used as footings for wood and precast concrete foundations shall comply with Section R403. Concrete foundations will be designed by registered design professional licensed in the State of Texas or constructed in compliance with The 2015 Panhandle Residential Foundation Manual.

(Reason: To reduce the cost of residential construction significant development work was performed by the Construction Advisory and Appeals Board foundation subcommittee. The subcommittee established design standards for regional use.)

***** 405.1; amend; Exception: (add to the end of paragraph) to read as follows:***

R405.1 Concrete or masonry foundations. Drains shall be provided around all concrete or masonry foundations that retain earth and enclose habitable or usable spaces located below grade. Drainage tiles, gravel or crushed stone drains, perforated pipe or other approved systems or materials shall be installed at or below the area to be protected and shall discharge by gravity or mechanical means into an approved drainage system. Gravel or crushed stone drains shall extend at least 1 foot (305 mm) beyond the outside edge of the footing and 6 inches (152 mm) above the top of the footing and be covered with an *approved* filter membrane material. The top of open joints of drain tiles shall be protected with strips of building paper. Except where otherwise recommended by the drain manufacturer, perforated drains shall be surrounded with an *approved* filter membrane or the filter membrane shall cover the washed gravel or crushed rock covering the drain. Drainage tiles or perforated pipe shall be placed on a minimum of 2 inches (51mm) of washed gravel or crushed rock at least one sieve size larger than the tile joint opening or perforation and covered with not less than 6 inches (152 mm) of the same material.
Exception: A drainage system is not required when the foundation is installed on well-drained ground or sand-gravel mixture soils according to the Unified Soil Classification System, Group I Soils, as detailed in Table R405.1. or constructed in accordance with the 2015 Panhandle Residential Foundation Manual.

(Reason: The region experiences problems with expansive soils, in an effort to reduce the cost of residential construction significant development work was performed by the Construction Advisory and Appeals Board foundation subcommittee. The subcommittee established design standards for regional use.)

***** 905.7.1 change to read as follows:***

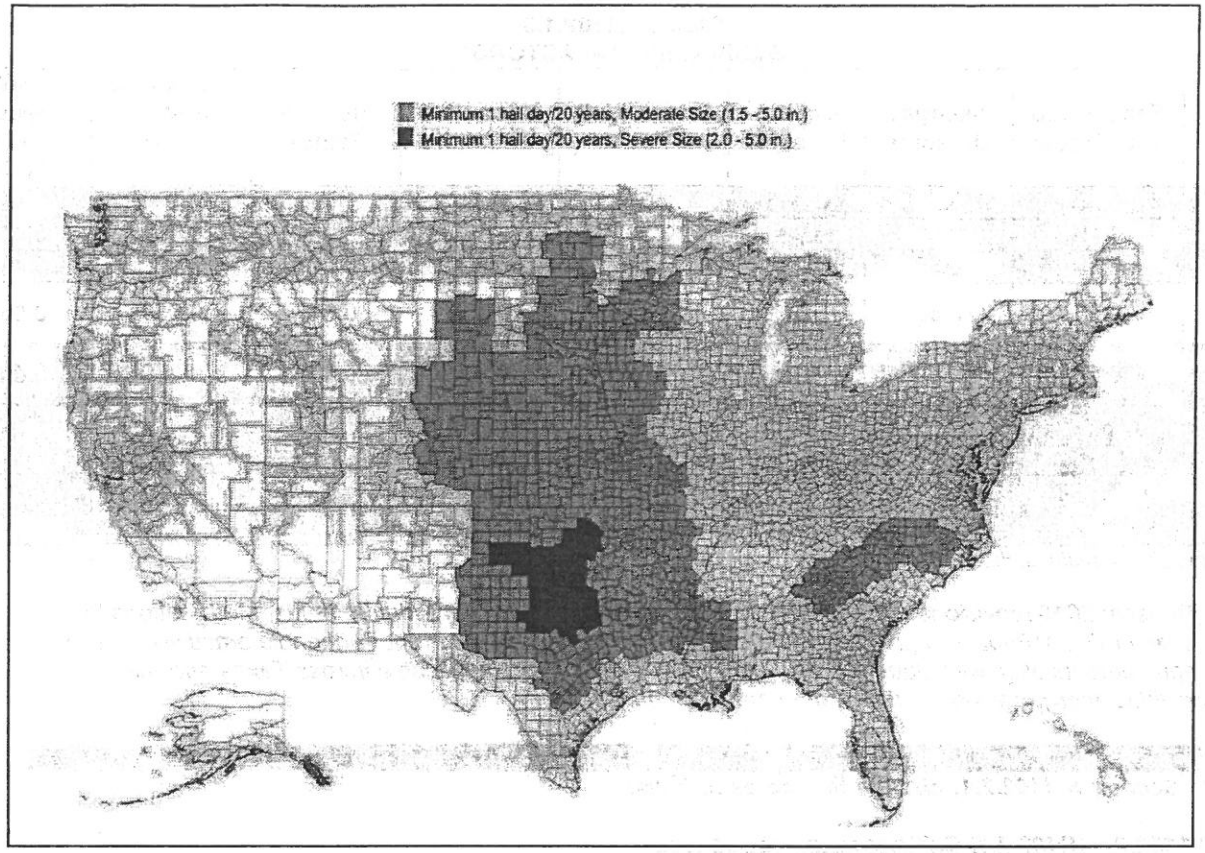
R905.7.1 Deck requirements. Wood shingles shall be used only on solid ~~or spaced~~ sheathing. ~~Where spaced sheathing is used, sheathing boards shall not be less than 1-inch by 4-inch (25mmby 102 mm) nominal dimensions and shall be spaced on centers equal to the weather exposure to coincide with the placement of fasteners.~~

(Reason: Due to the wind and blowing snow in the Panhandle, there is greater potential for wind driven snow blows between the shingles and into the attic area.)

***** 905.8.1 change to read as follows:***

R905.8.1 Deck requirements. Wood shakes shall be used only on solid ~~or spaced~~ sheathing. ~~Where spaced sheathing is used, sheathing boards shall not be less than 1-inch by 4-inch (25mmby 102 mm) nominal dimensions and shall be spaced on centers equal to the weather exposure to coincide with the placement of fasteners. Where 1-inch by 4-inch (25 mm by 102 mm) spaced sheathing is installed at 10 inches (254 mm) on center, additional 1-inch by 4-inch (25 mm by 102 mm) boards shall be installed between the sheathing boards.~~

(Reason: Due to the wind and blowing snow in the Panhandle, there is greater potential for wind driven snow blows between the shingles and into the attic area.)



(Reason: Due to the of weather in the Panhandle, wind and hail damage is more prone when asphalt shingles used for re-covering; contractors unable to verify if any of the decking may need to be replaced and unable to verify the flashing integrity; roof framing practices in the Panhandle have typically utilized 2 x 6 framing members, not designed for the additional weight of a second layer of shingles)

**** N1102.1, Table 1102.1.2(R402.1.1) change to read as follows:***

N1102.1 (R402.1) General (Prescriptive). The *building thermal envelope* shall meet the requirements of N1102.1.1through N1102.1.4 as amended until December 31, 2017. Effective January 1, 2018 Table N1102.1.4 and Table N1102.1.3 will be in effect as printed in 2015 IRC.

TABLE N1102.1.2 (R402.1.1)
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT[a]

CLIMATE ZONE	FENESTRATION *U*-FACTOR[b]	SKYLIGHT[b] *U*-FACTOR	GLAZED FENESTRATION SHGC[b, e]	CEILING *R*-VALUE	WOOD FRAME WALL *R*-VALUE	MASS WALL *R*-VALUE[i]	FLOOR *R*-VALUE	BASEMENT[c] WALL *R*-VALUE	SLAB[d] *R*-VALUE & DEPTH	CRAWL SPACE[c] WALL *R*-VALUE
1	NR	0.75	0.25	30	13	3/4	13	0	0	0
2	0.40	0.65	0.25	38	13	4/6	13	0	0	0
3	0.35	0.55	0.25	38	20 or 13 + 5[h]	8/13	19	5/13[f]	0	5/13
4 except Marine	0.35	0.55	0.40	49 40	~~20 or 13 + 5[h]~~ 15 or 13 +1[h]	8/13	19	10/13	~~10, 2 ft~~ 5, 10 in.	10/13
5 and Marine 4	0.32	0.55	NR	49	20 or 13 + 5[h]	13/17	30[g]	15/19	10, 2 ft	15/19
6	0.32	0.55	NR	49	20 + 5 or 13 + 10[h]	15/20	30[g]	15/19	10, 4 ft	15/19
7 and 8	0.32	0.55	NR	49	20 + 5 or 13 + 10[h]	19/21	38[g]	15/19	10, 4 ft	15/19

Footnotes shall remain unchanged.

A written report of the results of the test hall be signed by the party conducting the test and provided to the code official.

(Reason: To ensure testing of duct tightness is performed by qualified individuals.)

***** M1402.4; add the following; change to read as follows:***

M1402.4 Total Electric Heating Primary central heating and cooling forced air systems utilizing only electric heat shall utilize heat pumps.

(Reason: Total electric heating without the use of heat pumps does not provide energy efficiency and results in excessive energy bill; it is not in the best interest of homeowners.)

***** M1411.4; change to read as follows:***

M1411.4 Condensate Pumps. Condensate pumps located in uninhabitable space, such as attics and crawl spaces, shall be connected to the appliance or equipment served such that when the pump fails, the appliance or equipment will be prevented from operating. Pumps shall be installed in accordance with the manufacturer's instructions and shall not prevent the operation of fuel fired appliances.

(Reason: Heating units in the Panhandle are typically installed in unconditioned areas, shutting the heating equipment down may result in frozen plumbing if home is unoccupied for an extended period of time resulting in damage to interior finishes.)

***** M1411.5; change to read as follows:***

M1411.5 Auxiliary drain pan. Category IV condensing appliances shall have and auxiliary drain pan where damage to any building component will occur as a result of stoppage in the condensate drainage system or failure of a condensate pump. These pans shall be installed in accordance with the applicable provisions of section M1411.3.1 item (1.) and be provided under condensate pumps.

> ~~**Exception:** Fuel-fired *appliances* that automatically shut down operation in the event of a stoppage in the condensate drainage system.~~

(Reason: Modification of Section M1411.4 limits the shutdown of heating units, this modification provides a means for homeowners to observe drain pan drainage in the event of condensate pump failure and provide protection in the event of condensate pump failure.)

*****Section P2503.6; change to read as follows:***

P2503.6 Shower liner test. Where shower floors and receptors are made water tight by the application of materials required by Section P2709.2, the completed liner installation shall be tested prior to the installation of the shower floor covering. The pipe from the shower drain shall be plugged water tight for the test. The floor and receptor area shall be filled with potable water to a depth of not less than 2 inches (51mm) measured at the threshold. Where a threshold of not less than 2 inches (51mm) in height does not exist, a temporary threshold shall be constructed to retain the test water in the lined floor or receptor area to a level not less than 2 inches (51mm) in depth measured at the threshold. The water shall be retained for a test period of not less than 15 minutes and there shall not be evidence of leakage.

(Reason: Recognizing local construction practices and the need for ensure under floor plumbing systems installed watertight.)

*****Section P2603.5.1; change to read as follows:***

****P3002.2; change to read as follows:**

P3002.2 Building sewer. Building sewer piping shall be as shown in Table P3002.2. Forced main sewer piping shall conform to one of the standards for ABS plastic pipe, copper or copper-alloy tubing, PVC plastic pipe or pressure-rated pipe listed in Table P3002.2.

TABLE P3002.2 BUILDING SEWER PIPE

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid, ~~cellular core~~ or composite wall	ASTM D 2661; ASTM F 628; ASTM F 1488
Cast-iron pipe	ASTM A 74; ASTM A 888; CISPI 301
Acrylonitrile butadiene styrene (ABS) plastic pipe in sewer and drain diameters, including SDR 42 (PS 20), PS35, SDR 35 (PS 45), PS50, PS100, PS140, SDR 23.5 (PS 150) and PS200; with a solid, ~~cellular core~~ or composite wall	ASTM F 1488; ASTM D 2751
Polyvinyl chloride (PVC) plastic pipe in sewer and drain diameters, including PS 25, SDR 41 (PS 28), PS 35, SDR 35 (PS 46), PS 50, PS 100, SDR 26 (PS 115), PS140 and PS 200; with a solid, ~~cellular core~~ or composite wall	ASTM F 891; ASTM F 1488; ASTM D 3034; CSA B182.2; CSA B182.4
Concrete pipe	ASTM C 14; ASTM C 76; CSA A257.1M; CSA A257.2M
Copper or copper-alloy tubing (Type K or L)	ASTM B 75; ASTM B 88; ASTM B 251
Polyethylene (PE) plastic pipe (SDR-PR)	ASTM F 714
Polyolefin pipe	ASTM F 1412; CSA B181.3
Polyvinyl chloride (PVC) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with solid, ~~cellular core~~ or composite wall	ASTM D 2665; ASTM D 2949; ASTM D 3034; ASTM F 1412; CSA B182.2; CSA B182.4
Polyvinyl chloride (PVC) plastic pipe with a 3.25 inch O.D. and a solid, ~~cellular core~~ or composite wall	ASTM D 2949, ASTM F 1488
Stainless steel drainage systems, Types 304 and 316L	ASME A 112.3.1
Vitrified clay pipe	ASTM C 425; ASTM C 700

(Reason: The use of cellular core pipe has proven to be an inferior product; repair work has exposed the material will may not retain its proper shape, visual inspection exposed oblong or egg shaped piping; furthermore damage has resulted from routine maintenance, unclogging drains, etc)

***** Part VIII ELECTRICAL: Delete in its entirety, S.B. 365 Sec. 214.213***

(Reason: adoption of 2014 National Electric Code w/amendments)

***** Appendix J Existing Buildings and Structures; Adopt:***

Appendix J Existing Buildings and Structures Appendix J contains the provisions for the repair, renovation, alteration and reconstruction of existing buildings and structures that are within the scope of this code. To accomplish this objective and to make the rehabilitation process more available, this appendix allows for

Recommended Amendments to the 2014 National Electrical Code

City of Amarillo Texas

The following sections, paragraphs, and sentences of the *2011 National Electrical Code* are hereby amended as follows: Standard type is text from the NEC. Underlined type is text inserted. ~~Lined through type is deleted text from NEC.~~ Shaded text is changes made between the 2011 and 2014 NEC. A double asterisk (**) at the beginning of a section identifies an amendment carried over from the 2011 edition of the code and a triple asterisk (***) identifies a new or revised amendment with the 2014 code.

Adopt 2014 National Electric Code as written.

END

Recommended Amendments to the 2015 International Existing Building Code

City of Amarillo Texas

The following sections, paragraphs, and sentences of the *2015 International Existing Building Code* are hereby amended as follows: Standard type is text from the IEBC. Underlined type is text inserted. ~~Lined through type is deleted text from IEBC.~~ A double asterisk (**) at the beginning of a section identifies an amendment carried over from the 2012 edition of the code and a triple asterisk (***) identifies a new or revised amendment with the 2015 code.

***Section 101.1; change as follows: Insert: City of Amarillo**

Section 101.1 Title. These regulations shall be known as the *Existing Building Code including Appendix B* of [~~NAME OF JURISDICTION~~], The City of Amarillo hereinafter referred to as "this code."

(Reason: Standard insertion point [insert] to assist with local adoption)

****Section 101.4.2.1; Add section: change to read as follows:**

101.4.2.1 Abandoned buildings. Certificate of Occupancy required prior to re-occupancy is hereby added to read as follows:

101.4.2.1.1 Intent. The purpose of this Section is to insure that minimum levels of structural integrity, fire protection, life safety features, ventilation, light, sanitation, accessibility, and public improvements shall be provided in and around abandoned buildings or structures prior to re-occupancy. It is not the intent of this Section to require compliance with the latest Codes adopted by the City as if abandoned buildings or structures subject to this Section were being newly constructed. Nor is it the intent of this Section to require a new Certificate of Occupancy for a vacant building or structure, which is secured against unauthorized entry by the public and of which the essential components, as defined in 101.4.2.1.2.2 below, have been maintained in serviceable condition.

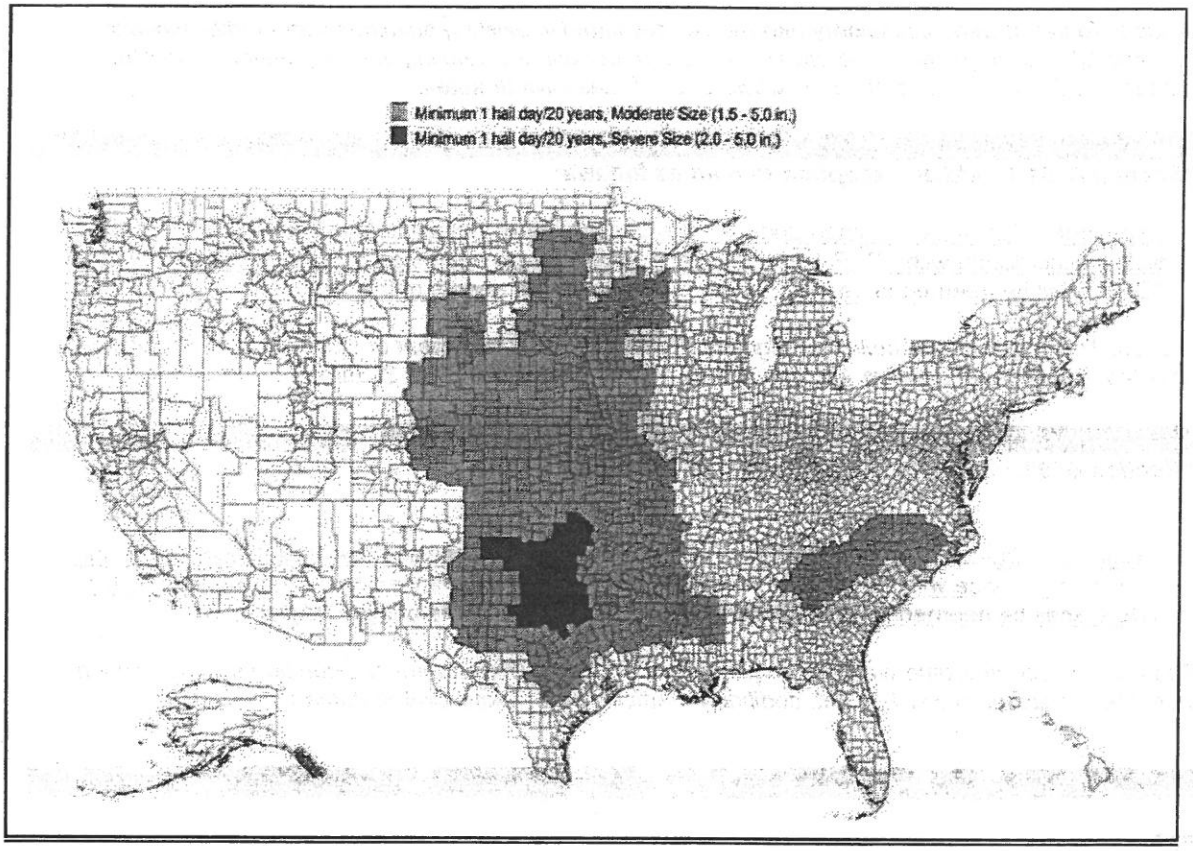
101.4.2.1.2 Certificate of Occupancy required prior to re-occupancy. When a building or structure has become abandoned, a Certificate of Occupancy shall be obtained prior to re-occupancy of the building or structure. For the purpose of this Section a building or structure shall be considered to have been abandoned when either of the following conditions exists:

101.4.2.1.2.1 The previous use of the building has been discontinued and the building has been left unsecured or open to unauthorized entry by the general public;

101.4.2.1.2.2 The previous use of the building has been discontinued and maintenance of the building has been neglected to the extent that one or more essential components of the building or structure have failed or no longer serve their intended purpose. Essential components include: Roof coverings; structural components; exterior envelopes including walls, doors and windows; electrical systems; plumbing systems; HVAC systems; fire extinguishing systems; fire resistive construction; fire resistive separations; exit ways; or other life/safety systems.

101.4.2.1.3 Conditions for issuance of a Certificate of Occupancy. Prior to issuing a Certificate of Occupancy for an abandoned building or structure subject to this Section, the Building Official may: require plans to be submitted which will clearly indicate the intended use of the building or structure, its location on the property, and any proposed improvements; inspect the building or structure to ascertain adequacy and serviceability of the essential components listed in 101.4.2.1.2.2 above with respect to the intended use; require repairs or improvements to the building or structure based upon those inspections; and/or require that the applicable permits and inspections be obtained for work which is proposed or required under this Section.

101.4.2.1.4 Guidelines and regulations. To determine the requirements for repairs or improvements to abandoned buildings or structures subject to this Section, the *Building Official*



(Reason: Due to the of weather in the Panhandle, wind and hail damage is more prone when asphalt shingles used for re-covering; contractors unable to verify if any of the decking may need to be replaced and unable to verify the flashing integrity)

****Section 1401.2; Insert: April 3, 1928; change to read as follows:***

1401.2 Applicability.
Structures existing prior to April 3rd, 1928 ~~[DATE TO BE INSERTED BY THE JURISDICTION NOTE: IT IS RECOMMENDED THAT THIS DATE COINCIDE WITH THE EFFECTIVE DATE OF BUILDING CODES WITHIN THE JURISDICTION]~~, in which there is work involving *additions, alterations* or *changes of occupancy* shall be made to conform to the requirements of this chapter or the provisions of Chapters 5 through 13. The provisions of Sections 1401.2.1 through 1401.2.5 shall apply to existing occupancies that will continue to be, or are proposed to be, in Groups A, B, E, F, I-2, M, R and S. These provisions shall not apply to buildings with occupancies in Group H or I, or I-4.

(Reason: Standard insertion point [insert] to assist with local adoption)

**** Adoption of the following appendix:**

Appendix B - Supplementary Accessibility Requirements for Existing Buildings and Facilities.
Appendix B was added to address accessibility in construction for items that are not typically enforceable through the traditional building code enforcement process. Chapter 11 of the *International Building Code* (IBC) contains provisions that set forth requirements for accessibility to buildings and their associated sites and facilities for people with physical disabilities. Sections 410, 605, 705, 806, 906, 1006, 1012.1.4, 1012.8, 1105, 1204.1, 1205.15, 1401.2.5 and 1508 in the code address accessibility provisions and alternatives permitted in existing buildings.

(Reason: Standard insertion point: [insert] to assist with local adoption.)

*****Section 107.4; *Delete entirely (covered by general provisions in Code of Ordinances):***

~~**107.4 Violation penalties.** Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair a pool or spa in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense~~.

(Reason: Covered by general provisions of the Amarillo Code of Ordinances.)

*****107.5; Change to read as follows:**

107.5 Stop work orders. Upon notice from the code official, work on any system that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine ~~of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.~~ as specified in section 1-1-5 of the Municipal Code for violations.

(Reason: Covered by general provisions of the Amarillo Code of Ordinances.)

*****Section 108; Delete section; change to read as follows:**

108.1 Board of appeals established: Construction Advisory and Appeals Board, see Chapter 2-6 of the Municipal Code.

(Reason: The City of Amarillo has established Construction Advisory and Appeals Board procedures.)

*****Section 202; DEFINITIONS; insert definition; change to read as follows:**

ENVIRONMENTAL HEALTH: Environmental Health Department regulates the operation of public pools. Routine inspections on pools and spas open to the public are conducted to document compliance with the standards set forth in State law in accordance with Chapter 8-5-13 of the Municipal Code.

(Reason: The operation of public pools is enforced through the City of Amarillo Environmental Health Department procedures.)

*****Section 305; Change to read as follows:**

305.1 General. The provisions of this section shall apply to the design of *barriers* for all *pools and spas*. These design controls are intended to provide protection against the potential drowning and near drowning by restricting access to such pools and spas. These requirements provide an integrated level of protection against potential drowning through the use of physical barriers and warning devices.

313.7 Emergency shutoff switch for spas and hot tubs. ~~An emergency shutoff switch shall be provided to disconnect all power to recirculation and jet system pumps and air blowers. Emergency shutoff switches shall be: provided with access; located within sight of the pool or spa and located not less than 5 feet (5') horizontally from the inside walls of the pool or spa.~~ A clearly labeled emergency shutoff or control switch for the purpose of stopping the motor(s) that provide power to the recirculation system and jet system shall be installed at a point readily accessible to the users and not less than 1.5 m (5 ft) away, adjacent to, and within sight of the spa or hot tub. This requirement shall not apply to single-family dwellings.

~~**Exception:** Onground storable and permanent inground residential swimming pools.~~

(Reason: Language is from 2011 NEC Article 680.41.)

***** Section 402.12; Change to read as follows:**

402.12 water envelopes. The minimum diving water envelopes shall be in accordance with Table 402.12.

Table 402.12
MINUMUM DIVING WATER ENVELOPES
(See Figure 402.12)

Pool	Minimum dimensions								Minimum width of pool at:		
Type	D1	D2	R–D3	L1	L2	L3	L4	L5	Pt. A	Pt. B	Pt. C
VI	~~7'-0"~~ 8'-6"	~~8'-6"~~ 9'-0"	~~5'-6"~~ 4'-0"	~~2'-6"~~ 4'-0"	~~8'-0"~~ 12'-0"	~~10'-6"~~ 14' -0"	~~7'-0"~~ 4'-0"	~~28'-0"~~ 34'-0"	16'-0"	18'-0"	18'-0"
VII	~~7'-6"~~ 11' 2"	~~9'-0"~~ 10' 10"	6'-0"	~~3'-0"~~ 5'-0"	~~9'-0"~~ 16'-5"	~~12'-0"~~ 13'-2"	4'-0"	~~28'-0"~~ 38'-7"	18'-0"	20'-0"	20'-0"
VIII	~~8'-6"~~ 12'-2"	~~10'-0"~~ 11'-10"	~~7'-0"~~ 6'-0"	~~4'-0"~~ 6'-0"	~~10'-0"~~ 19'-9"	~~15'-0"~~ 13'-11'	2'-0"	~~31'-0"~~ 41'-8"	20'-0"	~~22'-0"~~ 23'-0"	~~22'-0"~~ 23'-0"
~~IX~~	~~11'-0"~~	~~12'-0"~~	~~8'-6"~~	~~6'-0"~~	~~10'-6"~~	~~21'-0"~~	~~0~~	~~37'-6"~~	~~22'-0"~~	~~24'-0"~~	~~24'-0"~~

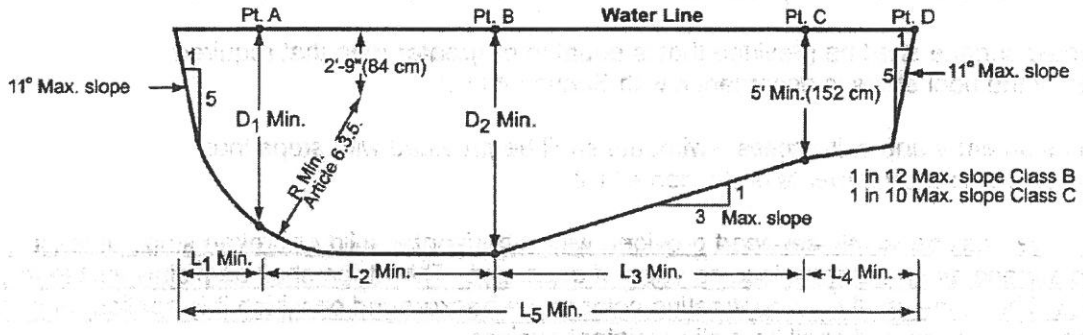


Figure 402.12 Minimum Diving water envelopes
CONSTRUCTION DIMENSIONS FOR WATER ENVELOPES FOR CLASS B AND CLASS C POOLS

(Reason: To avoid conflict with 25 TAC Chapter 265)

*****SECTION 402.13: Change to read as follows:**

depth and not less than 24 inches (607mm) in width.

3. Underwater seats and benches shall not be used as the required entry and exit access.

4. Where underwater seats are located in the deep area of the pool where manufactured or constructed diving equipment is installed, such seats shall be located outside of the minimum water envelope for diving equipment.

5. The leading edge shall be ~~visually set apart.~~ provided with a horizontal solid or broken stripe at least 1 inch wide on the top surface along the front leading edge of each step. This stripe shall be plainly visible to persons on the pool deck. The stripe shall be a contrasting color to the background on which it is applied, and the color shall be permanent in nature and shall be a slip-resistant surface.

6. The horizontal surface shall be at or below the water line.

7. A tanning ledge or sun shelf used as the required entry and exit access shall be located ***not greater than 12 inches below the water line.***

(Reason: To avoid conflict with 25 TAC Chapter 265)

*****Section 603.2: Change to read as follows:**

603.2 Class A and B pools: Class A and B pools over 5 feet deep: the transition point of the pool from the shallow area to the deep area of the pool shall be visually set apart with a 4-inch minimum width row of floor tile, a painted line, or similar means using a color contrasting with the bottom; anda rope and float line shall be provided between 1 foot and 2 feet on the shallow side of the 5-foot depth along and parallel to this depth from one side of the pool to the other side. The floats shall be spaced at not greater than 7-foot intervals; and the floats shall be secured so they will not slide or bunch up. The stretched float line shall be of sufficient size and strength to offer a good handhold and support loads normally imposed by users. If the owner or operator of the pool knows or should have known in the exercise of ordinary care that a rope or float is missing, broken, or defective, the problem shall be promptly remedied. ~~**Class D-2 pools.** Where a Class D-2 pool has a bather-accessible depth greater than 4 1/2 feet (1372 mm), the floor shall have a distinctive marking at the 4 1/2 feet (1372 mm) water depth.~~

(Reason: To avoid conflict with 25 TAC Chapter 265)

*****Section 610.5.1: Delete:**

610.5.1 Uniform height of ~~9~~ 10 inches. Except for the bottom riser, risers at the centerline shall have a maximum uniform height of ~~9~~ 10 inches (~~229~~ 254 mm). The bottom riser height shall be permitted to vary from the other risers.

(Reason: To avoid conflict with 25 TAC Chapter 265)

*****ANSI/APSP-7 Section 4.6.1: Change to read as follows:**

Section 4.6.1 ~~Single or~~ dual outlets. The flow rating for each listed cover/grate shall be greater than the maximum flow as determined in accordance with 4.4.1.

(Reason: To clarify specific Texas statutes which regulate public pools and spas)