

# 2018 Building Codes Adopted



**Tellico Reservoir Development  
Agency**

## **2018 ENERGY CONSERVATION CODE**

### SECTION

1. Energy conservation code adopted.
2. Local modifications.

**Section 1. Energy conservation code adopted.** Pursuant to the authority granted by Contract No. TV-60000A between the Tellico Reservoir Development Agency and the Tennessee Valley Authority and for the purpose of regulating the design of buildings for adequate thermal resistance and low air leakage and the design and selection of mechanical, electrical, water-heating and illumination systems and equipment which will enable the effective use of energy in building construction, the International Energy Conservation Code, 2018 edition, as prepared and maintained by the International Code Council, is hereby adopted and incorporated by reference as a part of this Code except as otherwise specifically stated in this Chapter, and is hereinafter referred to as the “Energy Code. The Agency does not incorporate by reference any changes or amendments adopted by the agency or association that promulgates the Energy Code unless such changes or amendments are subsequently expressly adopted by resolution by the Agency.”

**Section 2. Local modifications.** The following sections and appendices of the International Energy Conservation Code, 2018 Edition, are hereby amended by the Tellico Reservoir Development Agency, as hereinafter provided:

(1) Chapter 1 [CE], Scope and Administration: Section C101.1 Title is hereby locally amended by the Tellico Reservoir Development Agency by inserting “Tellico Reservoir Development Agency” in the brackets for the name of jurisdiction.

(2) Chapter 1 [CE], Scope and Administration: Section C101.5 Compliance. is hereby locally amended by the Tellico Reservoir Development Agency by deleting the first sentence in its entirety and replacing it with “*Residential buildings* shall meet the provisions of IECC-Residential Provisions, or Chapter 11, Energy Efficiency, of the International Residential Code for One- and Two Family Dwellings 2018 Edition.

(3) Chapter 1 [CE], Scope and Administration: Section C108.4 Failure to comply. is hereby locally amended by the Tellico Reservoir Development Agency by deleting “shall be liable to a fine as set by the applicable governing authority” and insert “subject to penalties as prescribed by law” in its place.

(4) Chapter 1 [CE], Scope and Administration: Section C109 Board of Appeals is hereby locally amended by the Tellico Reservoir Development Agency by deleting in its entirety, including its subsections, and the following substituted in lieu thereof:

“Section C109 Design Review Committee

C109.1 Appeals relative to the application of this code shall be as established and regulated by the International Building Code as locally adopted and amended by the Tellico Reservoir Development Agency.”

(5) Chapter 1 [RE], Scope and Administration: Section R101.1 Title is hereby locally amended by the Tellico Reservoir Development Agency by inserting “Tellico Reservoir Development Agency” in the brackets for the name of jurisdiction.

(6) Chapter 1 [RE], Scope and Administration: Section R101.5 Compliance, is hereby locally amended by the Tellico Reservoir Development Agency by deleting the first sentence in its entirety and replacing it with “*Residential buildings* shall meet the provisions of IECC-Residential Provisions, or Chapter 11, Energy Efficiency, of the International Residential Code for One- and Two Family Dwellings, 2018 Edition.

(7) Chapter 1 [RE], Scope and Administration: Section R108.4 Failure to comply, is hereby locally amended by the Tellico Reservoir Development Agency by deleting “shall be liable to a fine as set by the applicable governing authority” and insert “subject to penalties as prescribed by law” in its place.

(8) Chapter 1 [RE], Scope and Administration: Section R109 Board of Appeals is hereby locally amended by the Tellico Reservoir Development Agency by deleting in its entirety, including its subsections, and the following substituted in lieu thereof:

“Section R109 Construction Board of Adjustments and Appeals

C109.1 Appeals relative to the application of this code shall be subject to the authority, and shall be the responsibility of the Design Review Committee as established and regulated by the International Building Code as locally adopted and amended by the Tellico Reservoir Development Agency.”

(9) Chapter 4 [RE], Residential Energy Efficiency: Section R402.2.10, Slab-on-grade, is hereby amended by deleting the last sentence and replacing with:

“Due to local termite infestation vulnerability conditions, the slab-on-grade floor perimeter insulation required by this section shall be optional by the Tellico Reservoir Development Agency. Should said insulation be provided, the installation shall comply with this section.”

**TELLICO PROJECT DEVELOPMENT STANDARDS  
AND BUILDING CODES ENFORCEMENT RESOLUTION**

PURSUANT TO the enabling legislation enacted in April 1982 by the Tennessee Legislature and codified in TCA 64-1-701, creating and establishing the Tellico Reservoir Development Agency (TRDA) as a public body corporate and politic, created for the purpose of developing and effectuating plans and programs for the comprehensive development of, acquiring, operating, managing, selling, leasing and development of all or portions of the lands lying within the Tellico Project area of the Tennessee Valley Authority, including portions of Monroe County, Loudon County and Blount County, in accordance with the public purposes for which the Tellico Project was established and developed; the development, management and operation of lands and facilities within these development lands by TRDA thereby declared to be essentially public and governmental functions with powers and authorities granted in connection therewith, these also thus declared to be public and corporate purposes as well as other appropriate matters of public necessity; and

PURSUANT TO the authority granted by Contract No. TV-60000A (TV-60000A) between TRDA and the Tennessee Valley Authority (TVA), subject to its conditions and for the purpose of regulating development on the transferred lands of the Tellico Project:

WHEREAS, TV-60000A grants to TRDA both the authority and obligation to review proposed project, building and other improvement plans for compliance with the Development Standards for the Tellico Project and, when such plans have been approved, to issue building permits (per Section 6.020) and, when appropriate, certificates of occupancy (per Section 6.040) and for such purposes to adopt and utilize current and suitable building codes (most recently on August 29, 2014, having adopted certain selected 2012 Edition Codes as issued by the International Codes Council, Inc. [ICC] and their referenced codes); and

WHEREAS, TV-60000A also provides TRDA, with certain regulatory enforcement measures (per Section 6.050), in accordance with applicable Law, in order to facilitate action to remedy violations of its Development Standards upon transferred lands of the Tellico Project; and

WHEREAS, TV-60000A also provides for the establishment and operation of a Design Review Committee (per Section 6.080) for the purposes of maintaining sound architectural design, site planning, environmental, energy, structural design and other such standards for development occurring on such transferred land, yet such Committee and its members being held harmless (per Section 6.100) and not liable in

damages to anyone submitting plans and specifications to them for approval nor any owner or lessee of land affected by the standards enforced; and

WHEREAS, the 2018 Edition of ICC Codes was initially released in August 2017, and has since that time been widely used by others, including many within the state of Tennessee, and has also been examined and certain of its Codes found to be adequate, appropriate and useful and is now considered applicable for development on the transferred lands of the Tellico Project; and

WHEREAS, TRDA and all other State and Local Public Agencies within the State which enforce development codes are required by Tennessee State Law (per TCA 68-120-101[b][5]) to adopt and enforce editions of building and construction codes that are current within seven (7) years of the date of the latest editions of such published codes,

NOW THEREFORE, BE IT RESOLVED by the Board of Directors of TRDA in regular session assembled on this 4th day of December, 2019, that the following 2018 series ICC Codes and referenced Codes are adopted and are to be enforced by TRDA, by this nullifying all previous parallel versions, notwithstanding that amendments, limitations, exclusions and revisions will and may from time to time be enacted as a part of the administration of these Codes:

For Residential projects (consistent with State and Federal requirements):

- International Residential Code (IRC) Chapters 1-33, 44, as well as Appendices E (Manufactured Housing), H (Patio Covers) and J (Existing Buildings and Structures), as amended
  - \* enforcement of applicable electrical power, lighting and wiring codes is specifically by others and thus are not enforced by TRDA

For Commercial and Industrial projects (consistent with State and Federal requirements):

- International Building Code (IBC) in its entirety, as well as Appendix B (Board of Appeals [as qualified]) including by reference, ANSI A117.1 Accessibility Code-2009 Edition) as amended;
- International Energy Conservation Code (IECC) in its entirety, as amended;
- International Mechanical Code (IMC) in its entirety, as amended;
- International Plumbing Code (IPC) in its entirety, as amended;

Note: the following ICC codes are specifically not adopted by TRDA nor enforced by it, except for those specific provisions, if any, referenced in the adopted and enforced codes listed above:

- International Existing Building Code
- International Fire Codes (although the Architect or Engineer of Record will be required to certify compliance with the IFC [consistent with State and Federal requirements])
- International Fuel Gas Code
- International Green Construction Code
- International Performance Code
- International Private Sewage Disposal Code
- International Property Maintenance Code (including provisions for condemnation)
- International Wildland-Urban Interface Code
- International Zoning Code
- International Swimming Pool and Spa Code

BE IT FURTHER RESOLVED by the Board of Directors of TRDA in same session assembled, that in lieu of the Board of Appeals (required under 2018 IBC Appendix B), TRDA shall substitute its Design Review Committee (Committee) already established for purposes of Codes administration, and that this Committee shall undertake the responsibilities otherwise assigned to the Board of Appeals.

BE IT FURTHER RESOLVED by the Board of Directors of TRDA in same session assembled, that, subject to final passage, these provisions shall take effect from January 1, 2020, and thereafter, provided that TRDA shall have discretion to accept drawings, designs, details and specifications based upon the 2012 Edition of ICC Codes and amendments as previously adopted by the Board of Directors of TRDA and previously in effect, upon acceptably demonstrating significant adverse financial effect upon projects up to and including forty-five (45) days from the effective date of this Resolution.

BE IT FURTHER RESOLVED by the Board of Directors of TRDA in same session assembled, that no construction activity shall commence upon any acquired lands of the Tellico Project unless TRDA has first issued a Building Permit for such work, that no building, structure or site improvement shall be put to beneficial use unless TRDA has first also issued a Certificate of Occupancy and that any person, firm, corporation, tenant, occupant or agent who shall do either or violate any other provision of these Codes and Standards or fail to comply therewith or with any of the requirements thereof or cause such action to be taken in violation of the provisions of this Resolution adopted by

reference or locally adopted as modified shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation is committed or continued. Upon being found guilty of such violation, such person shall be penalized according to the enforcement provisions of TV-60000A as well as being subject to injunctive remedies in state court as appropriate. In the event court action is taken, TRDA shall be entitled to recover from any adjudicated to have violated these provisions, reasonable attorney fees and other costs, fees and expenses incurred in bringing the action(s) to enforce the provisions of this Resolution. Additionally, violators are subject to additional monetary and other penalties as available under current Law. The following list of steps or actions shall be assigned for violations of the design and construction standards herein adopted:

- Informal notice to any developer, builder, owner or others who are suspected of violations
- Formal Notice of Violation issued in response to a serious, egregious or repeated violation
- Revocation of a Building Permit previously issued, constituting an emergency stop-work order
- Denial of a Certificate of Occupancy or revocation of such a Certificate, if issued
- Compliance Order and assessment of Administrative Penalties as outlined herein
- Formal notice to appear before the Board of Appeals for a show-cause hearing
- Requirement to demolish substandard construction and replace with approved construction
- Judicial enforcement remedies of Injunctive relief/ civil litigation.

**JUDICIAL REMEDIES AND CIVIL PENALTIES**  
**TO BE USED IN ENFORCEMENT OF THIS RESOLUTION**

**Injunctive Relief**

When the TRDA Executive Director or any authorized by him and working under his direction determines that a violation of the TRDA Development Codes and Standards has occurred, this determination is to be promptly reported and, if verified, the violation is not immediately halted, but instead it persists, the Executive Director may petition either the Circuit or Chancery Court via the TRDA Attorney for issuance of a temporary or permanent injunction, as appropriate, which restrains or compels specific compliance with its Development Codes and Standards or any other

requirement imposed by this Resolution. The Executive Director may also seek such other action as is appropriate for legal and/ or equitable relief.

A petition by TRDA for injunctive relief shall not in any way be a bar against, or a prerequisite for, taking any other action against any determined to have violated the Codes and Standards.

#### Civil Penalties

The Executive Director may recover reasonable attorney fees, court costs, and other expenses associated with enforcement activities, including investigative and research expenses and the cost of actual damages incurred by TRDA. In determining the amount of civil liability, the Court shall take into account all relevant circumstances including but not limited to, the extent of harm caused by the violation, the magnitude and duration of the violation, any actual or attempted economic benefit gained through violation, corrective actions by the violator, the compliance history of the violator, and any other factor as justice requires. Filing a suit for civil penalties shall not be a bar against, or a prerequisite for, taking any other action against a violator.

#### Remedies Nonexclusive

The remedies provided for in this Resolution are not exclusive. The Executive Director may take any, all, or any combination of these actions against a Violator. Enforcement of violations will generally be in accordance with the provisions of this Resolution; however, the Executive Director may take other action against any Violator whenever the circumstances warrant. Further, the Executive Director is empowered to take more than one enforcement action against any suspected Violator.

#### Penalties for Unauthorized Construction

The Executive Director may suspend or revoke a Building Permit for any project on any site wherein such unauthorized activity continues. If found to be substandard or in violation of the Development Codes and Standards, affected construction work may be required to be modified or demolished, dismantled, and removed from the site. The Executive Director may also decline to issue or reissue a Building Permit to a violator who has failed to pay an outstanding fees, fines, or penalties incurred as a result of any provision of this Resolution.

### Penalties for Unauthorized Occupancy

The Executive Director is authorized to issue a Temporary Certificate of Occupancy or Conditional Certificate of Occupancy as appropriate on a case-by-case basis, but, in either event, a time limit or specific limits or conditions must be included in such a Certificate. The Executive Director may suspend or revoke a Certificate of Occupancy for any building, structure, or other improvement where unauthorized occupancy or beneficial use takes place.

### Limitations of TRDA Authority

TRDA specifically does not imply or intend to exercise authority under this Resolution to condemn for use or occupation any existing building, structure or other improvements which, due to inherent inadequacy, failure or deterioration due to damage, neglect or any other cause, becomes *or* appears unsafe for continued use or occupancy, potentially placing life, limb and property at undue risk.

Availability of This Resolution for Public View and Inspection. TRDA hereby declares that one (1) copy of this Resolution and any and all amendments or revisions, as modified, will be filed and made available for public view for a period of fifteen (15) days prior to becoming effective.

Adopted on the 4th day of December 2019.

  
Chairman of the Board of Directors of the  
Tellico Reservoir Development Agency

## 2018 International Building Code

### SECTION

1. Building Code Adopted.
2. Local Modifications.

Section 1. **Building code adopted.** Pursuant to authority granted by the 60000 A Contract between the Tennessee Valley Authority and the Tellico Reservoir Development Agency and adopted by TRDA's Board of Directors for the purpose of regulating the construction, alteration, repair, use and occupancy, location, maintenance, removal, and demolition of every building or structure or any appurtenance connected or attached to any building or structure, the International Building Code, 2018 Edition, and Appendices B only, with the modifications thereto hereinafter set forth, as prepared and adopted by the International Code Council, is hereby adopted and incorporated by reference as a part of this Code except as otherwise specifically stated in this Chapter, and is hereinafter referred to as the "building code".

Section 2. **Local Modifications:** The following sections and appendices of the International Building Code, 2018 Edition, are hereby amended by the Tellico Reservoir Development Agency, as hereinafter provided:

- (1) Chapter 1, Scope and Administration: Section 101.1 Title. Is hereby amended locally for the Tellico Reservoir Development Agency by inserting "Tellico Reservoir Development Agency" as the name of the jurisdiction.
- (2) Chapter 1, Scope and Administration: Section 101.2.1 Appendices. Is hereby amended locally for the Tellico Reservoir Development Agency by inserting at the end of the section the following:  
"The following Appendices are specifically included in the adoption. All others excluded."
  - Appendix B Board of Appeals
- (3) Chapter 1, Scope and Administration: Section 101.4.3 Plumbing. Is hereby amended locally by the Tellico Reservoir development Agency by deleting the last sentence and inserting the following:  
"Private sewage disposal systems shall comply with the regulations of the local utility authority having jurisdiction."
- (4) Chapter 1, Scope and Administration: Section 103.1 Creations of enforcement agency.

Is hereby amended locally by the Tellico Reservoir Development Agency by Section 103.1 in its entirety and replacing with the following:

Section 103.1 Building Official. The provisions of this code shall be enforced by the Building Official.

(5) Chapter 1, Scope and Administration: Section 104.10.1 Flood hazard areas. Is hereby amended locally by the Tellico Reservoir Development Agency by deleting Section 104.10.1 in its entirety.

(6) Chapter 1, Scope and Administration: Section 105.2 Work exempt from permit. Is hereby amended locally by the Tellico Reservoir Development Agency by deleting Number 1 in its entirety and replace with:

“1. One-story detached accessory structure used as tool and storage sheds, playhouses and similar uses, provided by the floor area does not exceed 200 square feet if the structure has a permanent foundation or 400 square feet if the structure is a pre-manufactured building without a permanent foundation.”

(7) Chapter 1, Scope and Administration: Section 105.4 Validity of permit. Is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the beginning: “A permit issued shall be construed to be a license to proceed with the work and shall not be construed as authority to violate, cancel, alter, ore set aside any of the provisions of this code, nor shall such issuance of a permit prevent the Building Official form thereafter requiring a correction of errors in plans or in construction, or of violation of this code. The building official is authorized to suspend or revoke a permit issued under the provisions of this code wherever the permit is issued in error or on the basis on incorrect, inaccurate or incomplete information, or in violation of any resolution or any of the provisions of this code”

(8) Chapter 1, Scope and Administration: section 105.5 Expiration. is hereby amended locally by the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“105.5 Expiration. Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 60 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 30 days after the time the work is commenced. Work authorized by that permit shall be completed within the time frame set forth in the following:

For Building Permits with Construction Valuation in the amount of:

\$.01 - \$250,000.00 – Twelve (12) months;

\$250,000.01 - \$500,000.00 – eighteen (18) months;

\$500,000.01 – \$1,000,000.00 – twenty-four (24) months;

\$1,000,000.01 – and up – thirty-six (36) moths

Extensions of time may be granted by the Building Official; however, the extension must be requested in writing and justifiable cause demonstrated. The building official is authorized to grant, in writing, one or more extensions of time. Each extension shall be for a period of time not to exceed 180 days. A fee of fifty percent (50%) of the permit fee of the original permit shall be charged to cover administrative expenses of each extension granted.

- (9) Chapter 1, Scope and Administration: Section 105.6 Suspension or revocation. Is hereby amended locally by the Tellico Reservoir Development Agency by inserting at the end the following:

“After a permit has become void, if the owner wishes to commence construction to complete the structure for which the original permit was issued, the Owner shall reapply for a new building permit for the completion of the construction. When a new building permit is issued, the permit fee for the completion of the construction shall be equal to the permit fee that was paid when the original permit was issued.”

- (10) Chapter 1, Scope and Administration: Section 107.3.4 Design Professional in responsible charge. Is hereby amended locally by the Tellico Reservoir Development agency by inserting the following at the end of the first paragraph:

“The registered design architect shall be the responsible design professional in responsible charge unless otherwise designated by the owner of the owner’s authorized agent.”

- (11)Chapter 1, Scope and Administration: Section 110.5 Inspection request. Is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the end:

“No inspections shall be performed on any site or portion thereof where there is an unsafe condition or a violation of the occupational safety and health standards for the construction industry promulgated by the Occupational Safety and Health Administration (OSHA).”

- (12)Chapter 1, Scope and Administration: Section 111.1 Change of occupancy, is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the end of the paragraph and before the exception:

“Said certificate shall not be issued until the following have been tested and approved by the appropriate agency or department:

- Mechanical Systems
- Fire protection systems
- Utility systems
- Site work beyond the confines of the building

- General building construction requirements”

(13)Chapter 1, Scope and Administration: Section 113 Board of Appeals, is hereby amended locally by the Tellico Reservoir Development Agency by changing the title form Board of Appeals” to “Design Review Committee”. Every occurrence of “Board of Appeals” in Section 113 and its subsections shall be changed to “Design Review Committee”.

(14)Chapter 1, Scope and Administration: Section 114.4, Violations and Penalties is hereby locally amended by the Tellico Reservoir Development Agency by deleting the section in its entirety and insert in its place:

“Any person, firm, corporation, tenant, owner or agent who shall violate a provision of this code, or fail to comply therewith or with any of the requirement thereof, or who shall erect, construct, alter, demolish, or move any structure, or has erected, constructed, altered, repaired, moved, or demolished a building or structure in violation of a detailed statement or drawing submitted and permitted thereunder, or directive of the building official, or of a permit or certificate issued under these provisions of this code, shall be subject to penalties as prescribed by law.”

(15)Chapter 10, Means of Egress: Section 1008.2 Means of egress illumination. Is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following under “Exceptions”:

“5. Unenclosed pavilions and similar structures that are not provided with electrical utility service and not intended for occupancy after daylight hours.”

(16)Chapter 16, Structural Design: Section 1612.3 Establishment of flood hazard areas, is hereby amended locally by the Tellico Reservoir Development Agency.

1612.3 Establishment of Flood Hazard Areas. Establishment of the flood hazard areas as identified by the Federal Emergency Management Agency Flood Insurance Study (FIS) and Flood Insurance Rate Map (FIRM); for Loudon County, “Loudon County, Tennessee and Incorporated Areas” the Community Number 470107, for the name of jurisdiction, dated May 16, 2007 as the date of issuance. For Monroe County, “Monroe County, Tennessee and Incorporated Areas” the Community Number 470233 for the name of jurisdiction, dated February 3, 2010 as the date of issuance.

(17)Chapter 28: Mechanical Systems. Is hereby amended locally by the Tellico Reservoir Development Agency deleting every reference to “International Fuel Gas Code.” The *International Fuel Gas Code* is specifically not adopted by the Tellico Reservoir Development Agency.

(18)Chapter 29: Plumbing Systems: Section 2901.1 Scope. Is hereby amended locally by the Tellico Reservoir Development Agency by deleting the sentence “Private sewage disposal systems shall conform to the *International Private Sewage Disposal Code*.” And replacing with the following:

“Private sewage disposal systems shall comply with the regulations of the Tellico Reservoir Development Agency.”

(19) Chapter 29, Plumbing Systems: Section 2902.3 Employee and Public toilet facilities.

Is hereby amended locally by the Tellico Reservoir Development Agency by renaming the exception as “Exception 1.” And inserting the following after the renumbered exception:

“Exception 2: Unenclosed pavilions and similar structures with a floor area of one thousand (1,000) square feet or less and not served with water and sewer services shall not be required to provide public toilet facilities or other plumbing fixtures. For the purpose of this section guards as described in Section 1013, whether said guards are required or not by this code, shall not be considered to enclose the structure.”

(20) Appendix B: Board of Appeals. is hereby amended locally by the Tellico Reservoir Development Agency by changing the title from “Board of Appeals” to “Design Review Committee”. Every occurrence of “Board of Appeals” in Appendix B and its subsections shall be changed to “Design Review Committee”.

(21) Appendix B: Section B101.2 Membership of board. is hereby amended locally by the Tellico Reservoir Development Agency by deleting in its entirety and inserting “Design Review Committee.”

## **2018 ENERGY CONSERVATION CODE**

### SECTION

1. Energy conservation code adopted.
2. Local modifications.

**Section 1. Energy conservation code adopted.** Pursuant to the authority granted by Contract No. TV-60000A between the Tellico Reservoir Development Agency and the Tennessee Valley Authority and for the purpose of regulating the design of buildings for adequate thermal resistance and low air leakage and the design and selection of mechanical, electrical, water-heating and illumination systems and equipment which will enable the effective use of energy in building construction, the International Energy Conservation Code, 2018 edition, as prepared and maintained by the International Code Council, is hereby adopted and incorporated by reference as a part of this Code except as otherwise specifically stated in this Chapter, and is hereinafter referred to as the “Energy Code. The Agency does not incorporate by reference any changes or amendments adopted by the agency or association that promulgates the Energy Code unless such changes or amendments are subsequently expressly adopted by resolution by the Agency.”

**Section 2. Local modifications.** The following sections and appendices of the International Energy Conservation Code, 2018 Edition, are hereby amended by the Tellico Reservoir Development Agency, as hereinafter provided:

(1) Chapter 1 [CE], Scope and Administration: Section C101.1 Title is hereby locally amended by the Tellico Reservoir Development Agency by inserting “Tellico Reservoir Development Agency” in the brackets for the name of jurisdiction.

(2) Chapter 1 [CE], Scope and Administration: Section C101.5 Compliance. is hereby locally amended by the Tellico Reservoir Development Agency by deleting the first sentence in its entirety and replacing it with “*Residential buildings* shall meet the provisions of IECC-Residential Provisions, or Chapter 11, Energy Efficiency, of the International Residential Code for One- and Two Family Dwellings 2018 Edition.

(3) Chapter 1 [CE], Scope and Administration: Section C108.4 Failure to comply. is hereby locally amended by the Tellico Reservoir Development Agency by deleting “shall be liable to a fine as set by the applicable governing authority” and insert “subject to penalties as prescribed by law” in its place.

(4) Chapter 1 [CE], Scope and Administration: Section C109 Board of Appeals is hereby locally amended by the Tellico Reservoir Development Agency by deleting in its entirety, including its subsections, and the following substituted in lieu thereof:

“Section C109 Design Review Committee

C109.1 Appeals relative to the application of this code shall be as established and regulated by the International Building Code as locally adopted and amended by the Tellico Reservoir Development Agency.”

(5) Chapter 1 [RE], Scope and Administration: Section R101.1 Title is hereby locally amended by the Tellico Reservoir Development Agency by inserting “Tellico Reservoir Development Agency” in the brackets for the name of jurisdiction.

(6) Chapter 1 [RE], Scope and Administration: Section R101.5 Compliance, is hereby locally amended by the Tellico Reservoir Development Agency by deleting the first sentence in its entirety and replacing it with “*Residential buildings* shall meet the provisions of IECC-Residential Provisions, or Chapter 11, Energy Efficiency, of the International Residential Code for One- and Two Family Dwellings, 2018 Edition.

(7) Chapter 1 [RE], Scope and Administration: Section R108.4 Failure to comply, is hereby locally amended by the Tellico Reservoir Development Agency by deleting “shall be liable to a fine as set by the applicable governing authority” and insert “subject to penalties as prescribed by law” in its place.

(8) Chapter 1 [RE], Scope and Administration: Section R109 Board of Appeals is hereby locally amended by the Tellico Reservoir Development Agency by deleting in its entirety, including its subsections, and the following substituted in lieu thereof:

“Section R109 Construction Board of Adjustments and Appeals

C109.1 Appeals relative to the application of this code shall be subject to the authority, and shall be the responsibility of the Design Review Committee as established and regulated by the International Building Code as locally adopted and amended by the Tellico Reservoir Development Agency.”

(9) Chapter 4 [RE], Residential Energy Efficiency: Section R402.2.10, Slab-on-grade, is hereby amended by deleting the last sentence and replacing with:

“Due to local termite infestation vulnerability conditions, the slab-on-grade floor perimeter insulation required by this section shall be optional by the Tellico Reservoir Development Agency. Should said insulation be provided, the installation shall comply with this section.”

## **2018 International Plumbing Code**

### **SECTION**

1. Plumbing code adopted.
2. Local modifications.

**SECTION 1. Plumbing Code Adopted.** Pursuant to authority granted by Contract No. TV- 60000A between the Tellico Reservoir Development Agency and the Tennessee Valley Authority and for the purpose of regulating plumbing installations, including alterations, repairs, equipment, appliances, fixtures, fittings, and the appurtenances thereto, within or when such plumbing is or is to be connected with the local water or sewerage system, the International Plumbing Code, 2018 Edition, and subsequent modifications thereto, as prepared and adopted by the International Code Council, is hereby adopted and incorporated by reference as a part of this Code except as particularly stated otherwise in this Chapter, and is hereinafter referred to as the "Plumbing Code."

The Agency does not incorporate by reference any changes or amendments adopted by the agency or association that promulgates the Plumbing Code unless such changes or amendments are subsequently expressly adopted by the Tellico Reservoir Development Agency.

**Section 2. Local Modifications:** The following sections and appendices of the International Plumbing Code, 2018 Edition, are hereby amended by the Tellico Reservoir Development Agency, as hereinafter provided:

(1) Chapter 1, Scope and Administration: Section 101.1 Title, is hereby amended locally by the Agency by inserting "Tellico Reservoir Development Agency" as the name of the jurisdiction.

(2) Chapter 1, Scope and Administration: 101.2 Scope, is hereby locally amended by the Tellico Reservoir Development Agency by deleting the third and fourth sentences, and at the end of the first paragraph inserting:

“The provisions of the International Plumbing Code 2018 Edition 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. Provisions in the appendices shall not apply unless specifically adopted. The following Appendices are specifically included in the adoption. All others are excluded.

- Appendix B Rates of Rainfall for Various Cities
- Appendix C Structural Safety
- Appendix D Degree Day and Design Temperatures
- Appendix E Sizing of Water Piping System

Exception: Detached one- and two- family dwellings and multiple single family dwellings (townhouse) not more than three stories high with separate means of egress and their accessory structures shall comply with the *International Residential Code.*”

(4) Chapter 1, Scope and Administration: Section 103.1 Creation of enforcement agency is hereby amended locally by the Tellico Reservoir Development Agency by deleting Section 103.1 in its entirety and replacing with the following:

“103.1 Building Official. The provisions of this code shall be enforced by the Building Official.”

(5) Chapter 1, Scope and Administration: Section 106.5.3 Expiration is hereby amended locally by the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“106.5.3 Expiration. Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 60 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 30 days after the time the work is commenced. Work authorized by that permit shall be completed within the time frame set forth in the building permit associated with the same construction project, or within one year if a building permit has not been issued for the construction project. Extensions of time may be granted by the Building Official; however, the extension must be requested in writing and justifiable cause demonstrated. The building official is authorized to grant, in writing, one or more extensions of time. Each extension shall be for a period of time not to exceed 180 days. A fee of fifty percent (50%) of the permit fee of the original permit shall be charged to cover administrative expenses for each extension granted.”

(6) Chapter 1, Scope and Administration: Section 106.6 Fee Schedule is hereby amended by deleting the section and its subsections in their entirety and replacing with:

“Section [A] 106.6 Fee schedule. Fees shall be as adopted by the Tellico Reservoir Development Agency. Refund of fees shall be subject to fee refund policy as established by the Building Official.”

(7) Chapter 1, Scope and Administration: Section 107 Inspection and Testing is hereby amended to add the following section:

“107.8 Building Occupancy. A new building shall not be occupied or a change made in occupancy or the nature or the use of a building or part of a building until after the Building Official has issued a Certificate of Occupancy. Said certificate shall not be issued until the following have been tested and or approved by the appropriate agency or department.”

- Fire protection systems

- Utility systems
- Site work beyond the confines of the building
- General building construction requirements”
- Mechanical Systems

(8) Chapter 1, Scope and Administration: Section 108, Violations is hereby locally amended to add the following section:

"108.8 Cesspool, septic tanks, etc. It is mandatory that every cesspool, septic tank, and seepage pit, which has been abandoned or has been discontinued otherwise from further use or to which no waste or soil pipe from a plumbing fixture is connected, shall have the sewage removed therefrom and be completely filled with earth, sand, gravel, concrete, or other approved material.

(9) Chapter 1, Scope and Administration: Section 108.4, Violation and Penalties, is hereby locally amended by the Tellico Reservoir Development Agency by deleting the section in its entirety and insert in its place:

“108.4, Violation and Penalties. Any person, firm, corporation, tenant, owner or agent who shall violate a provision of this code, or fail to comply therewith or with any of the requirements thereof, or who shall erect, construct, alter, demolish, or move any structure, or has erected, constructed, altered, repaired, moved, or demolished a building or structure in violation of a detailed statement or drawing submitted and permitted thereunder, or directive of the building official, or of a permit or certificate issued under the provisions of this code, shall be subject to penalties as prescribed by law.”

(10) Chapter 1, Scope and Administration: Section 109 Means of Appeal, is hereby amended locally by the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“Section 109 Design Review Committee

109.1 Appeals relative to the application of this code shall be as established and regulated by the International Building Code as locally adopted and amended by the Tellico Reservoir Development Agency.”

(11) Chapter 3, General Regulations: Section 303.3 Plastic Pipe, Fittings, and Components, is hereby amended locally by the Tellico Reservoir Development Agency by adding the following at the end of the existing paragraph:

"The use of coextruded PVC pipe in outside building sanitary sewers is prohibited. Its use in storm drains and storm sewers shall be at the discretion of the local authority.”

(12) Chapter 7, Sanitary Drainage: Section 701.2 Sewer required if hereby amended locally by Tellico Reservoir development Agency by deleting “*International Private Sewage Disposal Code*” and replacing with the following:

As required in the 60000A Contract between the Tellico Reservoir Development Agency and TVA and as required by local water and sewer utilities.

(13) Chapter 7, Sanitary Drainage: Section 701.3 Separate sewer connection, is hereby amended locally by the Tellico Reservoir Development Agency by adding the following as the last sentence to the paragraph: "A common *building sewer* line must be a minimum of six (6) inches diameter."

(14) Chapter 7, Sanitary Drainage: Tables 702.3 and 702.4 are hereby amended locally by the Tellico Reservoir Development Agency by deleting in their entirety and the following added in their place:

"702.3 Approved Material: Building Sewer Pipe and Pipe Fittings. Only the following materials will be accepted in the installation of *building sewer* pipes and fittings:

1. Cast iron soil pipe and fittings,
2. Brass fittings,
3. Bronze fittings,
4. Type 1 PVC pipe and fittings, minimum schedule 40 (ASTM 0-2665),
5. ASTM D - 3034 PVC pipe encapsulated with six (6) inches of bedding material (Size no. 7 or 67 crushed stone) on the top, both sides, and the bottom of the pipe,
6. Ductile iron pipe and fittings."

(15) Chapter 7, Sanitary Drainage: Section 702 Materials is hereby amended locally by the Tellico Reservoir Development Agency by adding the following section:

"702.7 Co-Mingling. Co-mingling of materials in the *building sewer* shall be accomplished only through the use of neoprene adapters with stainless steel bands.

(16) Chapter 7, Sanitary Drainage: Section 704.1 Drainage piping installation, is hereby amended locally by the Tellico Reservoir Development Agency by inserting after Table 704.1 the following:

"Notwithstanding the above, four (4) inch nominal diameter *building sewer* drainage piping shall have a minimum fall of 1/4 inch per foot, and six (6) inch nominal diameter *building sewer* drainage piping shall have a minimum fall of 1/8 inch per foot."

(17) Chapter 7, Sanitary Drainage: Section 705.3 Asbestos cement, is hereby amended locally by the Tellico Reservoir Development Agency by deleting the section in its entirety and inserting the following in its place:

"705.3 Asbestos cement. Asbestos – cement pipe and fittings are prohibited."

(18) Chapter 7, Sanitary Drainage: Section 705.6 Concrete joints, is hereby amended locally by

the Tellico Reservoir Development Agency by deleting the section in its entirety and inserting the following in its place:

“705.6 Concrete joints. Concrete pipe and fittings are prohibited.”

(19) Chapter 7, Sanitary Drainage: Section 706.1 Connections and changes in directions. is hereby amended locally by the Tellico Reservoir Development Agency by inserting at the end:

"Bends greater than 45 degrees shall be prohibited in the *building sewer*."

(20) Chapter 7, Sanitary Drainage: Section 708.1.3 Building drain and building sewer junction. Is hereby amended locally by the Tellico Reservoir Development Agency by deleting the section in its entirety and inserting the following in its place:

“708.1.3 Building drain and building sewer junction. The first exterior cleanout shall be located a minimum of three (3) feet but no more than five (5) feet from the exterior wall of the building without prior approval of the plumbing official. The use of two-way cleanouts is prohibited.”

(21) Chapter 7, Sanitary Drainage: Section 708.1.4 Changes of direction. is hereby amended locally by the Tellico Reservoir Development Agency by deleting the section in its entirety and inserting the following in its place:

“708.1.4 Changes of direction. Section 708.1.4 Changes of direction. Cleanouts shall be installed at each change of direction of the building sewer which is greater than 90 degrees. (Please note that this change may be accomplished with two or more fittings. Example – Two 45 degree bends and a 22 ½ degree bend installed in succession shall require a cleanout be installed between them regardless length of separation.)”

(22) Chapter 7, Sanitary Drainage: Section 708.1.5 Cleanout Size. Is hereby amended locally by the Tellico Reservoir Development Agency by deleting the section in its entirety and inserting the following in its place:

“708.1.5 Minimum size. Building sewer cleanouts shall be the same nominal size as the pipe the pipe they serve.”

(23) Chapter 7, Sanitary Drainage: Section 708.1.9 Clearances. Is hereby amended locally by the Tellico Reservoir Development Agency by deleting the section in its entirety and inserting the following in its place:

“708.1.9 Clearances. All building sewer cleanouts shall be provided with clearance of not less the 36 inches (914 mm) for rodding.”

## 2018 International Mechanical Code

### Section

1. International Mechanical Code Adopted
2. Local Modifications

**Section 1 – Adopted:** Local Modifications Pursuant to the authority granted by Contract No. TV-60000A between the Tellico Reservoir Development Agency and the Tennessee Valley Authority and for the purpose of regulating the design, installation, maintenance, alteration and inspection of mechanical systems, the International Mechanical Code 2018 Edition, and subsequent modifications thereto, as prepared and adopted by the International Code Council, is hereby adopted and incorporated by reference as a part of this code except as particularly stated otherwise in the Chapter, and is hereinafter referred to as the “Mechanical Code.”

**Section 2 12-402. Local Modifications:** The following sections and appendices of the International Mechanical Code, 2018 Edition, are hereby amended in the Tellico Reservoir Development Agency, as hereinafter provided:

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments conforms to the 2018 International Mechanical Code):

(1) Chapter 1, Scope and Administration: Section 101.1 Title, is hereby amended locally in the Tellico Reservoir Development Agency by inserting "Tellico Reservoir Development Agency" as the name of the jurisdiction.

2) Chapter 1, Scope and Administration: Section 101.2 Scope, is hereby amended locally in the Tellico Reservoir Development Agency by deleting the last sentence before the exception in its entirety without replacement.

(3) Chapter 1, Scope and Administration: Section 103.1 Department of Mechanical Inspection, is hereby amended locally in the Tellico Reservoir Development Agency by deleting Section 103.1 in its entirety and replacing with the following:

“Section 103.1 Building Official. The provisions of this code shall be enforced by the Building Official.”

(4) Chapter 1, Scope and Administration: Section 106.4.2 Validity, is hereby amended locally in the Tellico Reservoir Development Agency by inserting the following at the beginning:

“A permit issued shall be construed to be a license to proceed with the work and shall not be construed as authority to violate, cancel, alter, or set aside any of the provisions of this code, nor shall such issuance of a permit prevent the Building Official from thereafter requiring a correction of errors in plans of in construction, or of violation of this code. The building official is authorized to suspend or revoke a permit issued under the provisions of this code wherever the permit is issued in error or on the basis on incorrect, inaccurate or

incomplete information, or in violation of any ordinance or regulation or any of the provisions of this code”

(5) Chapter 1, Scope and Administration: Section 106.4.3 Expiration, is hereby amended locally in the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“106.4.3. Expiration. Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 60 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 30 days after the time the work is commenced. Work authorized by that permit shall be completed within the time frame as set forth in the building permit for the same project or one (1) year for projects that do not require a building permit.”

(6) Chapter 1, Scope and Administration: Section 106.4.4 Extensions, is hereby amended locally in the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“Extensions of time may be granted by the Building Official; however, the extension must be requested in writing and justifiable cause demonstrated. The building official is authorized to grant, in writing, one or more extensions of time. Each extension shall be for a period of time not to exceed 180 days. A fee of fifty percent (50%) of the permit fee of the original permit shall be charged to cover administrative expenses for each extension granted.”

(7) Chapter 1, Scope and Administration: Section 106.4.5 Suspension or revocation of permit, is hereby amended locally in the Tellico Reservoir Development Agency by inserting at the end the following:

“After a permit has become void, if the owner wishes to commence construction to complete the structure, equipment or system for which the original permit was issued, the owner shall reapply and pay for a new permit for the completion of the construction.”

(8) Chapter 1, Scope and Administration: Section 106.4.8 Posting of Permit, is hereby amended locally in the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“106.4.8 Placement of Permit. The permit or copy shall be kept on the site of the work or be made available to inspectors upon request until the completion of the project.”

(9) Chapter 1, Scope and Administration: Section 106.5.2 Fee Schedule, is hereby amended locally in the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“106.5.2 Fee schedule. 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. A permit shall not be valid until the fees prescribed by law have been paid, nor shall an amendment to a permit be released until the additional fee, if any, has been paid.”

(10) Chapter 1, Scope and Administration: Section 106.5.3 Fee refunds. is hereby amended locally in the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“106.5.3 Fee refunds. The Building Official is authorized to establish a refund policy.”

(11) Chapter 1, Scope and Administration: Section 107.2.2 Inspection request. is hereby amended locally in the Tellico Reservoir Development Agency by inserting the following at the end:

"No inspections shall be performed on any site or portion thereof where there is an unsafe condition or a violation of the occupational safety and health standards for the construction industry promulgated by the Occupational Safety and Health Administration (OSHA)."

(12) Chapter 1, Scope and Administration: Section 108.4, Violation penalties. is hereby locally amended in the Tellico Reservoir Development Agency by deleting the section in its entirety and insert in its place:

“Any person, firm, corporation, tenant, owner or agent who shall violate a provision of this code, or fail to comply therewith or with any of the requirements thereof, or who shall erect, construct, alter, demolish, or move any structure, or has erected, constructed, altered, repaired, moved, or demolished a building or structure in violation of a detailed statement or drawing submitted and permitted thereunder, or directive of the building official, or of a permit or certificate issued under the provisions of this code, shall be subject to penalties as prescribed by law.”

(13) Chapter 1, Scope and Administration: Section 108.5, Stop work orders. is hereby locally amended in the Tellico Reservoir Development Agency by deleting the last sentence and replacing with:

“Any person who shall continue any work after having been served with a stop work order, except that such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to penalties as described by law.”

(14) Chapter 1, Scope and Administration: Section 109 Means of appeals. is hereby amended locally in the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“Section 109 Means of appeals. Appeals relative to the application of the this code shall be as established and regulated by the International Building Code as locally adopted and amended in the Tellico Reservoir Development Agency.”

## Modifications to the 2018 International Residential Code

### Sections

1. **International Residential Code Adopted**
2. **Local Modifications**

### Section 1

**International Residential Code for One- and Two- Family Dwellings, 2018 Edition Adopted.** Pursuant to authority granted by Contract No. TV-60000A between the Tellico Reservoir Development Agency and the Tennessee Valley Authority for the purpose of regulating the construction, alteration, repair, use and occupancy, location, maintenance, removal, and demolition of every building or structure or any appurtenance connected or attached to any building or structure, the International Residential Code for One- and Two-Family Dwellings, 2018 Edition, Chapters 1-33, 44 and Appendices E, H, and J thereto, with the modifications thereto hereinafter set forth, as prepared and adopted by the International Code Council, is hereby adopted and incorporated by reference as a part of this Code except as otherwise specifically stated in the Chapter, and is hereinafter referred to as the “Residential Code.”

### Section 2

**Local Modifications.** The following sections and appendices of the International Residential Code for One- and Two- Family Dwellings, 2018 Edition, are hereby amended by the Tellico Reservoir Development Agency, as hereinafter provided:

(1) Chapter 1, Scope and Administration: Section R101.1 Title, is hereby amended locally by the Tellico Reservoir Development Agency by inserting "Tellico Reservoir Development Agency" as the name of the jurisdiction.

(2) Chapter 1, Scope and Administration: Section R102.5 Appendices, is hereby amended locally by the Tellico Reservoir Development Agency by inserting at the end of the section the following:

“The following Appendices are specifically included in the adoption. All others are excluded.

- Appendix E Manufactured Housing Used As Dwellings
- Appendix H Patio Covers
- Appendix J Existing Buildings and Structures

(3) Chapter 1, Scope and Administration: Section R103.1 Creation of enforcement agency, is hereby amended locally by the Tellico Reservoir Development Agency by deleting Section R103.1 in its entirety and replaced with the following:

“Section R103.1 Building Official. The provisions of this code shall be enforced by the Building Official.”

(4) Chapter 1, Scope and Administration: Section R104.10.1 Flood hazard areas. is hereby amended locally by the Tellico Reservoir Development Agency by deleting Section R104.10.1 in its entirety.

(5) Chapter 1, Scope and Administration: Section R105.2 Work exempt from permit is hereby amended locally by the Tellico Reservoir Development Agency by deleting number 1 in its entirety and replaced with:

"1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 200 square feet if the structure has a permanent foundation or does not exceed 400 square feet if the structure is a pre-manufactured building without a permanent foundation."

(6) Chapter 1, Scope and Administration: Section R105.4 Validity of permit. is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the beginning:

“A permit issued shall be construed to be a license to proceed with the work and shall not be construed as authority to violate, cancel, alter, or set aside any of the provisions of this code, nor shall such issuance of a permit prevent the Building Official from thereafter requiring a correction of errors in plans of in construction, or of violation of this code. The building official is authorized to suspend or revoke a permit issued under the provisions of this code wherever the permit is issued in error or on the basis on incorrect, inaccurate or incomplete information, or in violation of any ordinance or regulation or any of the provisions of this code”

(7) Chapter 1, Scope and Administration: Section R105.5. Expiration. is hereby amended locally by the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“R105.5 Expiration. Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 60 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 30 days after the time the work is commenced. Work authorized by that permit shall be completed within the time frame set forth in the following:

For Building Permits with Construction Valuation in the amount of:

\$0.01 - \$250,000 - twelve (12) months;

\$250,000.01 - \$500,000.00 - eighteen (18) months;

\$500,000.01 - \$1,000,000.00 - twenty four (24) months;

\$1,000,000.01 and up - thirty-six (36) months

Extensions of time may be granted by the Building Official; however, the extension must be requested in writing and justifiable cause demonstrated. The building official is authorized to grant, in writing, one or more extensions of time. Each extension shall be for a period of time not to exceed 180 days. A fee of fifty percent (50%) of the permit fee of the original permit shall be charged to cover administrative expenses for each extension granted.”

(8) Chapter 1, Scope and Administration: Section R105.6 Suspension or revocation. is hereby amended locally by the Tellico Reservoir Development Agency by inserting at the end the following:

“After a permit has become void, if the owner wishes to commence construction to complete the structure for which the original permit was issued, the Owner shall reapply for a new building permit for the completion of the construction. When a new building permit is issued, the permit fee for the completion of the construction shall be equal to the permit fee that was paid when the original permit was issued.”

(9) Chapter 1, Scope and Administration: Section R105.7 Placement of Permit. is hereby amended locally by the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“R105.7 Placement of Permit. The building permit or copy shall be kept on the site of the work or be made available to inspectors upon request until the completion of the project.”

(10) Chapter 1, Scope and Administration: Section R109.3 Inspection request. is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the end:

"No inspections shall be performed on any site or portion thereof where there is an unsafe condition or a violation of the occupational safety and health standards for the construction industry promulgated by the Occupational Safety and Health Administration (OSHA)."

(11) Chapter 1, Scope and Administration: Section R110.1 Use and occupancy. is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the end of the paragraph and before the exception:

“Said certificate shall not be issued until the following have been tested and approved by the appropriate agency or department:

- Fire protection systems
- Mechanical systems
- Utility systems
- Site work beyond the confines of the building

- General building construction requirements”

(12) Chapter 1, Scope and Administration: Section R112 Board of Appeals, is hereby amended locally by the Tellico Reservoir Development Agency by deleting in its entirety and the following substituted in lieu thereof:

“Section R112 Construction Board of Adjustments and Appeals  
R112.1 Appeals relative to the application of this code shall be as established and regulated by the International Building Code as locally adopted and amended by the Tellico Reservoir Development Agency.”

(9) Chapter 1, Scope and Administration: Section 113.4, Violation and Penalties is hereby locally amended by the Tellico Reservoir Development Agency by deleting the section in its entirety and the following substituted in lieu thereof:

“Any person, firm, corporation, tenant, owner or agent who shall violate a provision of this code, or fail to comply therewith or with any of the requirements thereof, or who shall erect, construct, alter, demolish, or move any structure, or has erected, constructed, altered, repaired, moved, or demolished a building or structure in violation of a detailed statement or drawing submitted and permitted thereunder, or directive of the building official, or of a permit or certificate issued under the provisions of this code, shall be subject to penalties as prescribed by law.”

(13) Chapter 3, Building Planning: Section R301.2 Climatic and geographic design criteria, is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following information in Table R301.2 (1):

“Table R301.2 (1) Climatic and Geographic Design Criteria.

Insert “10 PSF” in the table for Ground Snow Load.

Insert “115” in the table for Wind Speed.

Insert “No” in the table for Topographic Effects.

Insert “No” in the table for Special Wind Region.

Insert “No” in the table for Windborne Debris Zone.

Insert “C” in the table for Seismic Design Category.

Insert “Severe” in the table for Weathering.

Insert “12 inches” in the table for Frost Line Depth.

Insert “Moderate to heavy” in the table for Termite.

Insert “19 degrees Fahrenheit” in the table for Winter Design Temp.

Insert “No” in the table for Ice Barrier Underlayment Required.

Insert in the table for Flood Hazards:

For Property in Loudon County, insert in the table for Flood Hazards (a) 08/15/1978 is the date for Loudon County’s entry into the National Flood Insurance Program; (b)

05/16/2007 is the date of the Flood Insurance Study; (c) the Community Number 470107 and the effective FIRM panels are 0094D, 0125D, 0200D, 0225D

For Property in Monroe County, insert in the table for Flood Hazards (a) 09/04/1991 is the date for Monroe County's entry into the National Flood Insurance Program; (b) 02/03/2010 is the date of the Flood Insurance Study (c) the Community Number 470233 and the effective FIRM panels are 0070D, 0160D, 0180D, 0185D, 0190D

Insert "210" in the table for Air Freezing Index.

Insert "59.4" in the table for Mean Annual Temp.

Insert "980 feet" in the table for Elevation.

Insert "35<sup>0</sup> North" in the table for the Latitude.

Insert "19<sup>0</sup> F" in the table for Winter Heating.

Insert "90<sup>0</sup>" in the table for Summer Cooling.

Insert "0.97" in the table for Altitude Correction Factor.

Insert "70<sup>0</sup> F (Heat)" in the table for Indoor Design Temperature.

Insert "75<sup>0</sup> F – 70<sup>0</sup> F" in the table for Design Temperature Cooling.

Insert "51<sup>0</sup> F" in the table for Heating Temperature Difference.

Insert "15<sup>0</sup> – 20<sup>0</sup> F" in the table for Cooling Temperature Difference.

Insert "15 mph" in the table for Wind Velocity Heating.

Insert "7.5 mph" in the table for Wind Velocity Cooling.

Insert "74<sup>0</sup> F" in the table for Coincident Wet Bulb.

Insert "Medium" in the table for Daily Range.

Insert "70<sup>0</sup> db no visible condensation" in the table for Winter Humidity.

Insert "50% @ 75<sup>0</sup> db" in the table for Summer Humidity.

(14) Chapter 3, Building Planning: Section R301.2.2 Seismic provisions, is hereby amended locally by the Tellico Reservoir Development Agency by deleting item 1, renumbering item 2 to item 1 and inserting "and townhouses" just after the word dwellings and at the end of the section inserting "All references to "townhouses in seismic design category C" in Chapters 6, 7 and 28 shall not apply by the Tellico Reservoir Development Agency."

(15) Chapter 3, Building Planning: Section R301.2.2.1 Determination of seismic design category, is hereby amended locally by the Tellico Reservoir Development Agency by deleting the entire sentence and replacing with "Buildings shall be assigned a seismic design category in accordance with Table R301.2.2.1.1. For the purpose of determining the seismic design category for this code by the Tellico Reservoir Development Agency the value for SDS in Table R301.2.2.1.1 shall be 0.414g."

(16) Chapter 3, Building Planning: Section R302.5.1 Opening protection, is hereby amended locally by the Tellico Reservoir Development Agency by deleting the words "equipped with a self-closing device" and insert a period after the word "doors".

(17) Chapter 3, Building Planning: Section R302.13 Fire protection of floors. is hereby amended locally by the Tellico Reservoir Development Agency by deleting the words “or electric-powered” in exception 2. Additionally, the following shall be inserted at the end of exception 2:

“For the purpose of this section a crawl space or basement shall be considered intended for storage where any access opening for the space exceeds 36 inches by 48 inches in dimension.”

(18) Chapter 3, Building Planning: Section R303.4 Mechanical ventilation. is hereby amended locally by the Tellico Reservoir Development Agency by adding the word “(Optional).” in the section title after the word ventilation and by deleting the words “the dwelling unit shall be provided with whole-house mechanical ventilation” and replacing with the words “dwelling units provided with whole-house mechanical ventilation shall be”

(19) Chapter 3, Building Planning: Section R312.1.1 Where required. is hereby amended locally by the Tellico Reservoir Development Agency by deleting the first sentence and replacing it with the following sentence:

“Guards shall be provided along open-sided walking surfaces or ground surfaces, mezzanines, retaining walls, stairways, ramps, landings and any other locations that are located more than 30 inches above the floor or grade below at any point within 36 inches horizontally to the edge of the open side.”

(20) Chapter 3, Building Planning: Section R312.2 Window fall protection. is hereby amended locally by the Tellico Reservoir Development Agency by deleting section R312.2 and its subsections in their entirety.

(21) Chapter 3, Building Planning: Section R313.1 Townhouse automatic fire sprinkler systems. is hereby amended locally by the Tellico Reservoir Development Agency by deleting the entire section and the exception and replacing with “Automatic residential fire sprinkler systems shall not be required to be install in townhouses by the Tellico Reservoir Development Agency. Installation of automatic fire extinguishing systems in townhouses shall be optional. Nothing in this code shall be construed as requiring automatic fire extinguishing systems in townhouses. See Tennessee Code Annotated, Section 68-120-101(a) (8).”

(22) Chapter 3, Building Planning: Section R313.1.1 Design and installation. is hereby amended locally by the Tellico Reservoir Development Agency by inserting “Where installed” at the beginning before the word “automatic”.

(23) Chapter 3, Building Planning: Section R313.2 One- and two-family dwellings automatic fire sprinkler systems. is hereby amended locally by the Tellico Reservoir Development Agency by deleting the entire section and the exception and replacing with

“Automatic residential fire sprinkler systems shall not be required to be install in one- and two-family dwellings by the Tellico Reservoir Development Agency. Installation of automatic fire extinguishing systems in townhouses shall be optional. Nothing in this code shall be construed as requiring automatic fire extinguishing systems in one- and two-family dwellings. See Tennessee Code Annotated, Section 68-120-101(a) (8).”

(24) Chapter 3, Building Planning: Section R313.2.1 Design and installation. is hereby amended locally by the Tellico Reservoir Development Agency by inserting “Where installed” at the beginning before the word “automatic”.

(25) Chapter 3, Building Planning: Section R322.1.7 Protection of water supply and sanitary sewage. is hereby amended locally by the Tellico Reservoir Development Agency by deleting “and Chapter 3 of the International Private Sewage Disposal Code” and inserting “, the requirements of the water and sewer service utility providers.

(26) Chapter 4, Foundations: Figure R403.1 (1) Concrete and Masonry Foundation Details. is hereby amended locally by the Tellico Reservoir Development Agency by inserting a note in the figure as follows:

“The bottom of all foundations shall extend a minimum of 12 inches below finished grade.”

(27) Chapter 5, Floors: Section R502.11.4 Truss Design Drawings. is hereby amended locally by the Tellico Reservoir Development Agency by deleting “to the building official and approved prior to installation” and replacing it with “for review when required by the building official”.

(28) Chapter 8, Roof-ceiling Construction: Section R802.10.1 Truss design drawings. is hereby amended locally by the Tellico Reservoir Development Agency by deleting “to the building official and approved prior to installation” and replace it with “for review when required by the building official”.

(29) Chapter 11 [RE]: Energy Efficiency: Table N1102.1.2 (R402.1.2) Insulation and Fenestration Requirements by Component is hereby amended locally by the Tellico Reservoir Development Agency by:

In the row for climate zone “4 except Marine”, change Ceiling R-Value from “R49” to “R-38”, and change the Wood Frame Wall R-Value from “20 or 13 + 5” to “13”, and change the Mass Wall R-Value from “8/13” to “5/10”.

(30) Chapter 11 [RE]: Energy Efficiency: Table N1102.1.4 (R402.1.4) Equivalent U-Factors is hereby amended locally by the Tellico Reservoir Development Agency by:  
In the row for climate zone “4 except Marine”, change Ceiling U-Factor from “0.026” to “0.030”, and change the Frame Wall U-Factor from “0.060” to “0.082”, and change the Mass Wall U-Factor from “0.098” to “0.141”.

(31) Chapter 11 [RE]: Energy Efficiency: Section N1102.2.6 (R402.2.6) Steel-frame ceilings, walls, and floors. is hereby amended locally by the Tellico Reservoir Development Agency by inserting “Table N1102.1.2,” after the first occurrence of the word “of”.

(32) Chapter 11 [RE]: Energy Efficiency: Section N1102.4.1.1 (R402.4.1.1) Installation. is hereby amended locally by the Tellico Reservoir Development Agency by adding the words “and visual inspection option.” after the word “Installation” in the section title, and adding the words “, and be field verified.” after the word “construction”.

(33) Chapter 11 [RE]: Energy Efficiency: Section N1102.4.1.2 (R402.4.1.2) Testing. is hereby amended locally by the Tellico Reservoir Development Agency by adding the word “(optional)” after the word “Testing” in the section title, and inserting “Where required by the building official,” before the first sentence.

(34) Chapter 11 [RE]: Energy Efficiency: Section N1103.1.1 (R403.1.1) Programmable thermostat. is hereby amended locally by the Tellico Reservoir Development Agency by adding the word “(optional).” after the word “thermostat” in the section title, and inserting “Where required by the building official and,” before the first sentence.

(35) Chapter 11 [RE]: Energy Efficiency: Section N1103.3.3 (R403.3.3) Duct testing (Mandatory). is hereby amended locally by the Tellico Reservoir Development Agency by deleting the word “(Mandatory)” in the section title and “inserting “Where required by the building official,” at the beginning.

(36) Chapter 11 [RE]: Energy Efficiency: Section N1103.5.3 (R403.5.3) Hot water pipe insulation (Prescriptive). is hereby amended locally by the Tellico Reservoir Development Agency by deleting the word “Prescriptive” and replacing it with the word “Optional” in the section title, by inserting before the first sentence “Where required by the building official,”, and by inserting “Where required by the building official,” before the words “All remaining piping”.

(37) Chapter 11 [RE]: Energy Efficiency: Section N1103.6 (R403.6) Mechanical ventilation (Mandatory). is hereby amended locally by the Tellico Reservoir Development Agency by deleting the word “Mandatory” and replacing it with the word “Optional” in the section title, and deleting “The building shall be provided with ventilation that meets” and replacing with “Buildings provided with mechanical ventilation shall comply”.

(38) Chapter 11 [RE]: Energy Efficiency: Section N1103.10 (R403.10) Pools and permanent spa energy consumption (Mandatory). is hereby amended locally by the Tellico Reservoir Development Agency by deleting the word “Mandatory” and replacing it with the word “Optional” in the section title, and inserting “Where required by the building official,” before the first sentence.

(39) Chapter 26, General Plumbing Requirements: Section P2603.5.1 Sewer depth. is hereby amended locally by the Tellico Reservoir Development Agency by inserting in two places “twelve inches” as the number to be inserted.

(40) Chapter 30, Sanitary Drainage: Section P3002.2 Building Sewer. is hereby amended locally by the Tellico Reservoir Development Agency by deleting the section in its entirety and the following substituted in lieu thereof:

“P3002.2 Approved Material: Building Sewer Pipe and Pipe Fittings. Only the following materials will be accepted in the installation of building sewer pipes and fittings:

1. Cast iron soil pipe and fittings,
2. Brass fittings,
3. Bronze fittings,
4. Type 1 PVC pipe and fittings, minimum schedule 40 (ASTM 0-2665),
5. ASTM D - 3034 PVC pipe encapsulated with six (6) inches of bedding material (Size no. 7 or 67 crushed stone) on the top, both sides, and the bottom of the pipe,
6. Ductile iron pipe and fittings.

The following pipe and fitting materials are specifically prohibited:

1. Asbestos – cement pipe and fittings,
2. Concrete pipe and fittings,
3. Coextruded PVC pipe in outside building sanitary sewers.”

(41) Chapter 30, Sanitary Drainage: Section P3003.13 Joints between different materials. is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the end:

“Co-mingling of materials in the building sewer shall be accomplished only through the use of neoprene adapters with stainless steel bands.:

(42) Chapter 30, Sanitary Drainage: Section P3005.1 Drainage fittings and connections. is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the end:

"Bends greater than 45 degrees shall be prohibited in the building sewer."

(43) Chapter 30, Sanitary Drainage: Section P3005.2.6 Cleanout plugs. is hereby amended locally by the Tellico Reservoir Development Agency by deleting the entire section and replacing with:

“Cleanout plugs shall be copper alloy, plastic or other *approved* materials. Cleanout plugs for borosilicate glass piping systems shall be of borosilicate glass. Copper alloy cleanout plugs shall conform to ASTM A74 and shall be limited for use only on metallic piping systems. Cleanout plugs in building sewers shall have countersunk heads or be of the recessed slot type only."

(44) Chapter 30, Sanitary Drainage: Section P3005.2.2 Spacing. is hereby amended locally

by the Tellico Reservoir Development Agency by inserting the following at the end:

“Cleanouts in building sewers shall be installed not more than 80 feet apart measured from the upstream entrance of the cleanout.”

(45) Chapter 30, Sanitary Drainage: Section P3005.2.4 Change of direction. is hereby amended locally by the Tellico Reservoir Development Agency by deleting the words “building sewer,” in the first sentence with nothing to be inserted in its place and inserting the following at the end of the section:

“In the building sewer cleanouts shall be installed at each change of direction which is greater than 90 degrees. (Please note that this change may be accomplished with two or more fittings. Example - Two 45 degree bends and a 22 1/2 degree bend installed in succession shall require a cleanout be installed between them regardless length of separation.)”

(46) Chapter 30, Sanitary Drainage: Section P3005.2.9 Accessibility. is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the end:

“All building sewer cleanouts shall be provided with clearance of not less than 36 inches (914 mm) for rodding.”

(47) Chapter 30, Sanitary Drainage: Section P3005.2.3 Building drain and building sewer junction. is hereby amended locally by the Tellico Reservoir Development Agency by deleting the section in its entirety and the following substituted in lieu thereof:

“Building drain and building sewer junction. The first exterior cleanout shall be located a minimum of three (3) feet but no more than five (5) feet from the exterior wall of the building without prior approval of the plumbing official. The use of two-way cleanouts is prohibited.”

(48) Chapter 30, Sanitary Drainage: Section P3005.2.5 Cleanout size. is hereby amended locally by the Tellico Reservoir Development Agency by deleting the second sentence.

(49) Chapter 30, Sanitary Drainage: Section P3005.4 Drain pipe sizing. is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the end:  
“A common building sewer line must be a minimum of six (6) inches diameter.”

(50) Chapter 30, Sanitary Drainage: Section P3005.4.2. Building drain and sewer size and slope. is hereby amended locally by the Tellico Reservoir Development Agency by inserting the following at the end:

“Notwithstanding the above, four (4) inch nominal diameter building sewer drainage piping shall have a minimum fall of 1/4 inch per foot, and six (6) inch nominal diameter building sewer drainage piping shall have a minimum fall of 1/8 inch per foot.”

(51) Appendix E: Manufactured Housing Used As Dwellings: Section AE304.3.2.1 Investigation. is hereby amended locally by the Tellico Reservoir Development Agency by inserting “Where required by the building official,” before the first sentence.

(52) Appendix E: Manufactured Housing Used As Dwellings: Section AE304.3.2.2 Fee. is hereby amended locally by the Tellico Reservoir Development Agency by inserting “Where required by the building official,” before the first sentence.

(53) Appendix E: Manufactured Housing Used as Dwellings: Section AE305.5.1 Structural inspections for the manufactured home installation. is hereby amended locally by the Tellico Reservoir Development Agency by inserting at the end of the section:

“Exception: The inspections required by this section shall not apply to manufactured homes as exempted by the State of Tennessee but shall apply to any construction or installation of decks, porches, steps or other structures or equipment. All manufactured homes shall pass a final inspection and have a certificate of occupancy issued.”

Effective January 1, 2020

## **Building Inspections & 2018 Building Code Adoption**

In order to apply for a building permit you must provide a copy of a contractor's license with plumbing and HVAC license.

Inspection of your residential construction property will be made within three (3) working days after notification to TRDA's Building Inspector. Permit holder or contractor should contact the Inspector, Dwayne McMahan, by calling him directly at (865) 719-2145 for inspections.

**All items must be completed before scheduling any inspection, if not additional fees will apply.**

**Building Permit signs must be posted at Jobsite or no inspections will take place.**

**Footing Inspection-** Prior to placement of concrete  
After steel reinforcement has been placed  
After bulkheads are placed  
No Standing water at bottom of footings  
Either (3) # 4 steel reinforcement (rebar) or (2) #5 steel on chairs reinforcement (rebar) are required in all footings.

**Slab Inspection-** This is a three part Inspection

*1. Foundation Wall Inspection-* After foundation walls have been laid and prior to concrete being placed in wall. If wall is over 10'; in height then a Professional Engineer must prepare a letter stating how the wall and footing must be constructed.

*2. Under slab Plumbing Inspection-* Prior to stone backfill of pipes. Plans must be available for Drain Fixture Unit count. Either a water test or pressure test will be conducted. Water test with 5' head must be placed where it can be easily observed. Pressure tests are accepted, the applicant must provide a pressure gauge as specified in the code. Radon Gas, a 3" sanitary tee must be placed in stone.

*3. Thickened slabs & Foundation-* Plans must be available for thickened slab locations. Weatherproofing of foundation walls, Anchor bolts or straps placement and foundation drains will be checked.

\* If you are using a pre-cast foundation system, please contact the Building Inspector for inspections that are required.

**Floor Framing Inspection-**  
(Crawlspace Only)

Prior to placement of floor sheathing, after foundation wall, floor joists and masonry piers have been installed. Have floor truss or TGI layout available if applicable.

If no floor framing inspection is performed then an engineering certification is required

**Framing Inspection-**  
(Includes Plumbing & Mechanical)

This is a two part Inspection

1. Prior to Insulation, have pre-engineered truss layout available. Have all window and door installation instructions available. Plumbing drain lines and water supply lines must be tested. BTU gas loads must be known to check gas line sizes. ***All fireplaces must be installed prior to inspection.***
2. Insulation Inspection after framing rough-in. R-13 in walls R-19 in floors between conditioned and unconditioned .32 u factor in windows .55 in skylights. R38 in sloped ceiling and attics at final inspection.

**Final Inspection-**

After completion of all construction, including final grading and driveways. Prior to occupants moving in or storing contents in structure.

**CONTACT:**

**Dwayne McMahan, TRDA Building Inspector  
At (865) 719-2145**

## **2018 Significant IRC Code changes**

The building permit applicant is responsible for being familiar with the 2018 International Residential Code (IRC). TRDA has made local amendments to the Building Codes. If you would like to obtain a copy of these amendments please let us know. Listed below is a summary of some of the changes in the 2018 IRC.

1. R302.13 Fire protection of floors. Floor assemblies directly over a crawl space or unfinished basement intended for storage or for the installation of fuel-fired heating appliances shall be provided with a 1/2 inch gypsum wallboard membrane, 5/8 inch wood structural panel membrane, or equivalent on the underside of the floor framing member unless protected by a sprinkler system. For the purpose of this section a crawl space or basement shall be defined as having a greater opening than 36 inches by 48 inches in any dimension.
2. R308.4.2 Glazing adjacent to doors. Glazing in an individual fixed or operable panel adjacent to a door shall be considered to be a hazardous location where the bottom exposed edge of the glazing is less than 60 inches above the floor or walking surface and it meet either of the following conditions: 1) where the glazing is within 24 inches of either side of the door in the plane of the door in a closed position, or 2) where the glazing is on a wall less than 180 degrees from the plane of the door in a closed position and within 24 inches of the hinge side of an in-swinging door.
3. R310.3 Emergency escape and rescue doors. The code now allows sliding glass doors to be used for emergency egress. The 2012 code required the door to be sidehinged.
4. R311.7.3 Vertical rise of stairs. A flight of stairs shall not have a vertical rise larger than 151 inches (12'-7") between floor levels or landings.
5. R311.7.4 Stair winders. The stair winders shall have a minimum tread depth of 10" as measured 12" from the narrowest point of the stair.
6. R311.7.5.1 Stair risers. The riser height shall be not more than 7 3/4".
7. The greatest riser height within any flight of stairs shall not exceed the smallest riser height by more than 3/8".
8. R311.7.5.2 Stair treads. The tread depth shall be not less than 10"

9. R311.7.8.2 Handrail projection. Handrails shall not project more than 4 1/2 inches on either side of the stairway. Exception: where nosings of landings, floors, or passing flights project into the stairway reducing the clearance at passing handrails, handrails shall project not more than 6 1/2 inches into the stairway, provided that the stair width and handrail clearance are not reduced to less than that required.
10. R311.7.8.3 Handrail clearance. Handrails adjacent to a wall shall have a space of not less than 1 1/2 inches between the wall and the handrails.
11. R311.7.8.5 All stairs shall have graspable handrails.
12. R314.4 All smoke alarms shall be interconnected. The exemption for interconnection of alarms during alterations based on feasibility has been removed from the code.
13. R315.2.2 Alterations, repairs, and additions. Where alterations, repairs, or additions requiring a permit occur, the individual dwelling unit shall be equipped with carbon monoxide alarms located as required for new dwellings.
14. R408.3 Unvented crawl space. In lieu of a conditioned air supply in sealed crawl spaces, a dehumidification system sized to provide 70 pints of moisture removal per day for every 1,000 square feet of crawl space floor area.
15. R507.2.3 Deck fasteners and connectors. Metal fasteners and connectors used for all decks shall be in accordance with Section R317.3 and Table 507.2.3.
16. R507.3 Deck footings. Decks shall be supported on concrete footings or other approved structural systems designed to accommodate all loads in accordance with Section R301. Deck footings shall be sized to carry the imposed loads from the deck structure to the ground as shown in Figure R507.3. The footing depth shall be in accordance with Section R403.1.4. Exception: 1) freestanding decks consisting of joists directly supported on grade over their entire length.
17. R507.4.1 Deck post to deck footing connection. Where posts bear on concrete footings in accordance with Section R403 and Figure R507.4.1, lateral restraint shall be provided by manufactured

connectors or a minimum post embedment of 12 inches in surrounding soils or concrete piers.

18. R507.5.1 Deck beam bearing. Where multi-span beams bear on intermediate posts, each ply must have full bearing on the post.
19. Table R602.7(1) R602.7(2) Girder and header span charts. The new span charts reduce the allowable span of girders and headers when using #2 Pine.
20. Table R602.7.5 Minimum number of studs required at each end of header. The length of the header before two studs are required has increased from 6' to 10'. Anything less than 10' now only requires one stud at each end.
21. R1005.8 Insulation shield. Where factory-built chimneys pass through insulated assemblies, an insulation shield constructed of steel. Having a minimum thickness of 0.0187 inch (No. 26 gage) shall be installed to provide clearance between the chimney and the insulation material. The clearance shall not be less than the clearance to combustibles specified by the chimney manufacturer's installation instructions. Where chimneys pass through attic space, the shield shall terminate not less than 2" above the insulation materials and shall be secured in place to prevent displacement. Insulation shield provided as part of a listed chimney system shall be installed in accordance with the manufacturer's installation instruction.
22. Table N1102.1.2 (R402.1.2) Table U-factor for windows is reduced from U-0.35 to U-0.32
23. N1102.4.1 Table N1102.4.1.1 Recessed lighting fixtures installed in the building thermal envelope shall be sealed to the finished surface.
24. N1102.4.2 New wood-burning fireplaces shall have tight fitting flue dampers or doors and outside combustion air. Where using tight fitting doors on factory-built fireplaces listed and labeled in accordance with UL-127, the doors shall be tested and listed for the fireplace.
25. N1103.3.5 Building cavities. Building framing cavities shall not be used as ducts or plenums.

26. N1103.3.6 Ducts buried within ceiling insulation. Where supply and return air ducts are partially or completely buried in ceiling insulation, such ducts shall comply with all of the following:
  - 1) the supply and return ducts shall have an insulation value of not less than R-8;
  - 2) at all points along each duct, the sum of the ceiling insulation R-values above the top of the duct, and against and below the bottom of the duct shall be not less than R-19, excluding the duct R-value.
27. N1104.1 Not less than 90% of permanently installed lighting shall contain only high efficacy lamps.
28. M1502.3.1 Dryer exhaust termination outlet and passageway size. The passageway of dryer exhaust duct terminals shall be undiminished in size and shall provide an open area of not less than 12.5 square inches. (4" round duct)
29. M1502.4.2 Dryer duct installation. Where dryer exhaust ducts are enclosed in wall or ceiling cavities, such cavities shall allow the installation of the duct without deformation.
30. M1503.3 Domestic range hood exhaust discharge. Domestic cooking exhaust equipment shall discharge to the outdoors through a duct. The duct shall have a smooth interior surface, shall be air tight, shall be equipped with a backdraft damper and shall be independent of all other exhaust equipment. Ducts serving domestic cooking equipment shall not terminate in an attic or crawl space or areas inside the building.
31. G2406.2 Clothes dryers may be located in a residential bathroom or toilet room having a permanent opening with an area of not less than 100 square inches that communicates with a space outside of a sleeping room, bathroom, toilet room, or storage closet.
32. P2713.1 Bathtub waste outlets and overflows. The requirement for overflow outlets on bathtubs has been removed.

CONTACT: Dwayne McMahan at Cell: (865) 719-2145  
Office: (865) 673-8599