2018 International Residential Code Update

Link to 2018 IRC: https://codes.iccsafe.org/public/document/IRC2018

Any questions please email Tyler McDaniel:

Tyler.mcdaniel@lebanontn.org

Or call the building inspection office:

615-443-2839 Ext. 2327

2018 IRC Update

Chapter 3: Building Planning		
2018 Code Section	Section Title	Description of Change
Modification Table R301.2(1)	Townhouse Separation	Two paths for achieving the fire-resistant separation between townhouse dwelling units- two 1- hour walls or a common wall - are spelled out in the townhouse provisions.
Modification R302.13	Fire Protection of Floors above Crawl Spaces	Fire-Resistant membrane protection is now required for the applicable floor framing materials above crawl spaces containing fuel-fired or electric-powered heating appliances
Modification 310.1	Emergency Escape and Rescue Openings	Emergency Escape and rescue openings are no longer required for bedrooms in basements when the dwelling unit is protected with an automatic fire sprinkler system and other conditions are met.
Modification R311.7.3	Maximum Stair Rise Between Landings	The maximum rise of a flight of stairs has increased by 4 inches, from 147 to 151 inches
Modification R311.7.11 R311.7.12	Alternating Tread Devices and Ships Ladders	Alternating tread devices and ships ladders are now permitted as a means of egress for lofts with an area that does not exceed 200 square feet.
Clarification R312.1	Guards	The guard requirements only apply to the specific portion of a walking surface that exceeds 30 inches above grade.
Modification R314	Smoke Alarms	The exemption for interconnection of alarms during alterations based on feasibility has been removed from the code.
Modification R315	Carbon Monoxide Alarms	Interconnection is now required where multiple carbon monoxide alarms are required in a dwelling unit.
Addition R325.6, R202	Habitable Attics	The definition of habitable attic has been revised and the technical requirements have been placed with mezzanines.
Chapter 4: Foundations		
2018 Code Section	Section Title	Description of Change
Modification Table R403.3(1)	Insulation requirements for frost protected footings	Insulation thickness requirements for Type II and IX extruded polystyrene (EPS) have changed. The minimum R-value for specific types of EPS has been clarified while requirements for horizontal insulation were added.
Modification R408.3	Unvented Crawl Space	Ventilation of the under-floor space is not required when an adequately-sized dehumidifier is provided.

Chapter 5: Floors		
2018 Code Section	Section Title	Description of Change
Modification R507	Decks	Section R507 is reorganized for ease of use and additional provisions are added to simplify prescriptive construction of a deck.
Modification R507.2	Deck Materials	Section R507.2 adds requirements for fasteners and fastener conditions, flashing and alternative materials
Addition R507.3	Deck Footings	A new section on footing minimum size is added to help describe minimum prescriptive (non-engineered) requirements for an exterior deck footing based on snow load, soil quality, and footing shape and size.
Clarification R507.6	Deck Joists	Maximum Joist spacing and total length have been clarified. In Table R507.6, maximum span length is listed followed by maximum cantilever length.
Clarification R507.7-R507.9	Decking, Vertical and Lateral Support	Decking material options and fastener systems are clarified. Vertical and horizontal support of an exterior deck is updated while support and attachment of ledgers is added to the decking section.
Chapter 6: Wall Construction		
2018 Code Section	Section Title	Description of Change
Addition R602.3(6)	Alternate Stud Height	To help clarify when studs greater than 10 feet long may be used, an exception is added to Section R602.3.1 as well as a reference to new Table R602.3(6) which applies only to 11 and 12-Foot tall walls in one and two- story buildings.
Modification Tables R602.7(1), R602.7(2)	Girder and Header Spans	Girder and header spans are updated assuming No. 2 Southern Pine rather than No.1 Southern Pine as used in the 2015 IRC. A footnote is added to clarify that headers and girders are assumed to be braced; for headers with pony walls above, a further reduction in span is taken for 2x8 and larger headers.
Modification Table R602.7.5	Support for Headers	The 2015 IRC full height stud table is significantly altered. The table increases the number of king studs in higher wind regions and requires only one or two king studs at each end of a header in regions with 115 mph wind speeds.
Chapter 7: Wall Covering		
2018 Code Section	Section Title	Description of Change
Modification R703.8.4	Veneer Anchorage through insulation	Masonry veneer is explicitly allowed to attach to through insulation into the underlying wood structural panels. Attachment must follow table R703.8.4(2)
Modification R703.11.2	Vinyl Siding installation over foam plastic sheathing	Testing has been done on vinyl siding over insulation in an attempt to determine fastener requirements for vinyl siding attachment in high wind regions. New Table R703.11.2 gives design wind pressures for vinyl siding resisting all wind loads without reliance on wood structural panel sheathing.

Chapter 10: Chimneys and Fireplaces		
2018 Code Section	Section Title	Description of Change
Addition R1005.8	Chimney Insulation shield	Factory-built chimneys, which have been required to maintain a minimum clearance to insulation, are now required to have an insulation shield to provide the clearance to the insulation.
Chapter 11: Energy Efficiency		
2018 Code Section	Section Title	Description of Change
Modification N1102.1.2 and N1102.1.4	Insulation and Fenestration Requirements	The prescriptive U-factors for Fenestration have been lowered to improve the energy efficiency of dwellings and townhouses.
Modification N1102.2.2	Reduction of Ceiling Insulation	When applying the exception for insulation in ceilings without attics, the insulation must extend to the outside of the top plate.
1103.1.1	Programable Thermostats	The thermostat controlling the primary heating or cooling system of the dwelling unit shall be capable of controlling the heating and cooling system on a daily schedule to maintain different temperatures set points at different times of the day.
1103.3.2	Sealing	Ducts, air handlers and filter boxes shall be sealed. Joints and seams shall comply with section M1601.4.1
1103.4.1	Protection of Piping Insulation	Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind. The protection shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall be prohibited.
Modification N1104.1	Lighting	The required percentage of permanent lighting fixtures having high-efficiency lamps has increased from 75 to 90 percent.
Chapter 15: Exhaust Systems		
2018 Code Section	Section Title	Description of Change
Modification M1502.3.1	Dryer Exhaust Duct Termination	A minimum are of 12.5 square inches has ben established for the terminal outlet of dryer duct exhaust.
Modification M1502.4.2	Concealed Dryer Exhaust Ducts	Wall and ceiling cavities enclosing dryer exhaust duct must provide sufficient space that the 4-inch duct is not squeezed out of its round shape. 2X6 Wall Required.

Chapter 24: Fuel Gas		
2018 Code Section	Section Title	Description of Change
Modification G2406.2	Prohibited Locations for Appliances	A gas-fired clothes dryer is now allowed to be installed in a bathroom and toilet room where a permanent opening communicates with other permitted spaces.
Modification G2411.2, G2411.3	Electrical Bonding of CSST	The existing provisions for electrical bonding apply to CSST without an arc-resistant jacket or coating and a new section addresses electrical continuity and bonding of arc-resistant CSST.
Addition G2420.6	Support for Shutoff Valves in Tubing Systems	Shutoff valves in gas tubing systems require rigid support separate from the tubing to prevent damage at the valve connection.
Chapter P27: Plumbing Fixtures		
2018 Code Section	Section Title	Description of Change
Modification P2704	Slip Joint Connections	Slip Joint Connections are permitted anywhere between the fixture outlet and the drainage piping, and are no longer limited to the trap inlet, outlet and trap seal locations.
Modification P2713.1	Bathtub Overflow	Bathtub overflow outlets are no longer required.
Chapter P28: Water Heaters		
2018 Code Section	Section Title	Description of Change
Modification P2801.6	Plastic Pan for Gas-Fired Water Heaters	Plastic safety pans are now allowed under gas water heaters provided the material falls within the prescribed flame spread and smoke developed indices.
Chapter P29: Water Supply and Distribution		
2018 Code Section	Section Title	Description of Change
Addition P2906.6.1	Saddle Tap Fittings on Water Distribution Piping	Saddle tap fittings are no longer permitted on water distribution system piping.
Modification P2906.18.2	Joints between PVC and CPVC Piping	A single solvent-cement transition joint is now an acceptable method for connecting a CPVC water distribution system to a pvc water service pipe.
Chapter P30: Sanitary Drainage		
2018 Code Section	Section Title	Description of Change
P3003.9.2 Exception	Solvent Cementing	Exception: A primer shall not be required where all of the following conditions apply: The solvent cement used is third-party certified as conforming to **ASTM D2564**; The solvent cement is used only for joining PVC drain, wast and vent pipe and fittings in non-pressure applications in sizes up to and including 4 inches in diameter.

Chapter P31: Vents		
2018 Code Section	Section Title	Description of Change
Modification P3111	Combination Waste and Vent System	Food waste disposers and drinking fountains are now permitted to connect to a combination waste and vent system.
Appendix Q: Tiny Houses		
2018 Code Section	Section Title	Description of Change
Appendix Q Addition	Tiny Houses	A new Appendix Q covers provisions for tiny houses, defined as dwellings with a maximum floor area of 400 square feet.

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

CLIMATE ZONE	FENESTRATION *U*-FACTOR[b]	SKYLIGHT[b] *U*-FACTOR	GLAZED FENESTRATION SHGC[b, e]	CEILING *R*-VALUE	WOOD FRAME WALL *R*-VALUE	MASS WALL *R*-VALUE[i]	FLOOR *R*-VALUE	BASEMENT[c] WALL *R*-VALUE	SLAB[d] *R*-VALUE & DEPTH	CRAWL SPACE[c] WALL *R*-VALUE
1	NR	0.75	0.25	30	13	3/4	13	0	0	0
2	0.40	0.65	0.25	38	13	4/6	13	0	0	0
3	0.32	0.55	0.25	38	20 or 13 + 5[h]	8/13	19	5/13[f]	0	5/13
4 except Marine	0.32	0.55	0.40	49	20 or 13 + 5[h]	8/13	19	10/13	10, 2 ft	10/13
5 and Marine 4	0.30	0.55	NR	49	20 or 13 + 5[h]	13/17	30[g]	15/19	10, 2 ft	15/19
6	0.30	0.55	NR	49	20 + 5[h] or 13 + 10[h]	15/20	30[g]	15/19	10, 4 ft	15/19
7 and 8	0.30	0.55	NR	49	20 + 5[h] or 13 + 10[h]	19/21	38[g]	15/19	10, 4 ft	15/19

For SI: 1 foot = 304.8 mm.

NR = Not Required.

a. *R*-values are minimums. *U*-factors and SHGC are maximums. Where insulation is installed in a cavity that is less than the label or design thickness of the insulation, the installed *R*-value of the insulation shall be not less than the *R*-value specified in the table.

b. The fenestration *U*-factor column excludes skylights. The SHGC column applies to all glazed fenestration.

Exception: In Climate Zones 1 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30.

c. "10/13" means R-10 continuous insulation on the interior or exterior of the home or R-13 cavity insulation on the interior of the basement wall. "15/19" means R-15 continuous insulation on the interior or exterior of the home or R-19 cavity insulation on the interior of the basement wall. Alternatively, compliance with "15/19" shall be R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulation on the interior or exterior of the home.

d. R-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation *R*-value for slabs, as indicated in the table. The slab edge insulation for heated slabs shall not be required to extend below the slab.

e. There are no SHGC requirements in the Marine Zone.

f. Basement wall insulation shall not be required in warm-humid locations as defined by Figure N1101.10 and Table N1101.10.

g. Alternatively, insulation sufficient to fill the framing cavity providing not less than an *R*-value of R-19.

h. The first value is cavity insulation, the second value is continuous insulation. Therefore, as an example, "13+5" means R-13 cavity insulation plus R-5 continuous insulation.

i. Mass walls shall be in accordance with Section N1102.2.5. The second *R*-value applies where more than half of the insulation is on the interior of the mass wall.

TABLE N1102.4.1.1 (R402.4.1.1)
AIR BARRIER AND INSULATION INSTALLATION[a]

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.
Ceiling/attic	The air barrier in any dropped ceiling or soffit shall be aligned with the insulation and any gaps in the air barrier sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of not less than R-3 per inch. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and in continuous alignment with the air barrier.
Windows, skylights and doors	The space between framing and skylights, and the jambs of windows and doors, shall be sealed.	—
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.
Floors including cantilevered floors and floors above garages.	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking. Alternatively, floor framing cavity insulation shall be in contact with the top side of sheathing or continuous insulation installed on the underside of floor framing; and extending from the bottom to the top of all perimeter floor framing members.
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Crawl space insulation, where provided instead of floor insulation, shall be permanently attached to the walls.
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.	—
Narrow cavities	—	Batts to be installed in narrow cavities shall be cut to fit or narrow cavities shall be filled with insulation that on installation readily conforms to the available cavity space.
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.	—
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the finished surface.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.
Plumbing and wiring	—	In exterior walls, batt insulation shall be cut neatly to fit around wiring and plumbing or insulation that on installation, readily conforms to available space, shall extend behind piping and wiring.
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate the wall from the shower or tub.	Exterior walls adjacent to showers and tubs shall be insulated.
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical and communication boxes. Alternatively, air-sealed boxes shall be installed.	—
HVAC register boots	HVAC supply and return register boots that penetrate building thermal envelope shall be sealed to the subfloor, wall covering or ceiling penetrated by the boot.	—
Concealed sprinklers	Where required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.	—

a. Inspection of log walls shall be in accordance with the provisions of ICC 400.

City of Lebanon
Plumbing Permit Application

Building Inspections Department
200 N Castle Heights Ave Ste 300
Lebanon TN 37087
615-443-2839 ext. 2327
www.buildinginspection@lebanontn.org

Date _____
Bldg Permit #_____
Plumbing Permit #_____

Residential_____**Commercial**_____**Industrial**_____

New Construction_____ **Alteration**_____

Location of Property

Name of Builder _____

Subdivision _____Lot Number_____

Property Address _____ (Must Have)

Plumbing Contractors Information

Name _____

Billing Address _____

_____

Phone Number _____

Taps and Fees

Water Tap Fee_____

Sewer Tap Fee_____

Permit Fee_____

Irrigation fee_____Backflow Fee_____

Connection Fee_____

Number of Fixtures:

Water Closets_____ Service Sinks_____

Lavatories _____ Water Heaters_____

Urinals_____ Garbage Disposals_____

Showers_____ Floor Drains_____

Bathtubs_____ Washing Machines_____

Drinking Fountains_____ Ice Makers_____

Dishwashers_____ Out House Bibs_____

Kitchen Sinks_____ Backflow Preventers_____

_____

Application Signature

City of Lebanon
Residential Building Application

Building Inspections Department
200 N Castle Heights Ave Ste 300
Lebanon TN 37087
615-443-2839 ext. 2327
www.buildinginspection@lebanontn.org

Date:_____
Permit #_____

Important: *Please review the Residential Review Checklist below this form. Please fill this form out completely. Incomplete applications will result in a hold on the permitting process. Permit process can take up to 48 hours. We accept check or cash.*

New Construction _____ **Remodel** _____

Place of Construction

Name of Builder _____

Subdivision _____Lot Number_____

Property Address _____

Phase_____Plat Book and Page Number_____

Total Sq. Footage (Heated/Cooled + Garage)_____

Impervious area (First Floor + Garage) _____

IS THIS LOT CRITICAL? YES_____ NO_____ Engineering Approval Yes_____No_____

Cost of Construction $_____

Permit Fees (Automatic)

_____x $0.65 sqft = _____

Electrical Service release =	$25.00
Drive Way Fee =	$25.00
Garbage Cart Fee =	$75.00
Stormwater Inspection Fee =	$214.00
Mechanical Permit =	$50.00 Per Unit

Taps (Please Select)

Water Tap =	$600.00
Sewer Tap =	$1,500.00
Gas Tap =	$125.00
Irrigation Tap =	$612.50
Backflow =	$50.00

INFRASTRUCTURE FACILITIES TAX

SINGLE FAMILY HOMES =	$900.00
TOWNHOMES/CONDOS =	$1,000.00

Connection Fees

Water, Water/Sewer, Gas = $75.00 Each

TOTAL _____ SIGNATURE_____

Checklist:

Contractors License Insurance made to the City of Lebanon with our address attached**
Stamped Plot Plan by Land Surveyor (Optional) Wilson County Adequate Facility Taxes**
** Energy Affidavit** Scaled House Plans on 8 1/2 X 11**

Affidavit of Compliance

Building Envelope Air Tightness & Insulation Installation

2018 International Residential Code

Chapter 11 Energy Efficiency

I, the undersigned, hereby swear and/or affirm, I have caused to have, or personally field verified that all requirements as contained in Chapter 11 of the 2018 international Residential Code, and further described in Chapter 4 of the International Energy Conservation Code, has been installed in compliance with said code for this property and project as described below.

As affiant and general contractor of record for this project, I fully understand and agree that the City of Lebanon may utilize any legal remedies available in law, to insure full compliance with said requirements.

Applicable Method (Check One): Prescriptive_____ Performance_____

Property Address_____

Lot # _____ Subdivision_____

Contractor/Agent Printed Name_____

Signature_____

Date_____

Notary Public_____ Date_____

My Commission Expires_____

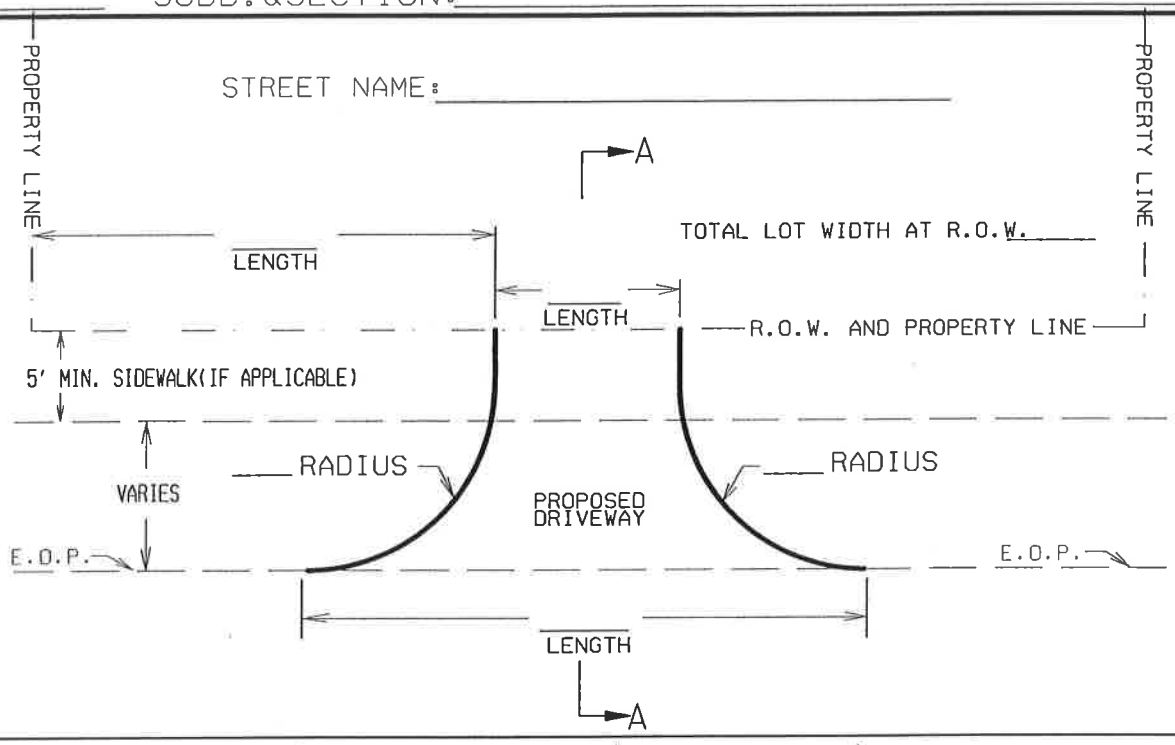
RESIDENTIAL DRIVEWAY / STORMWATER APPLICATION

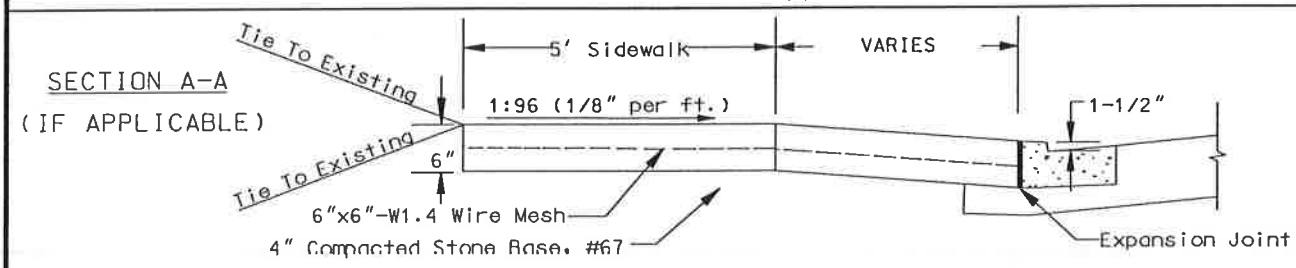
APPLICANT'S NAME: _____

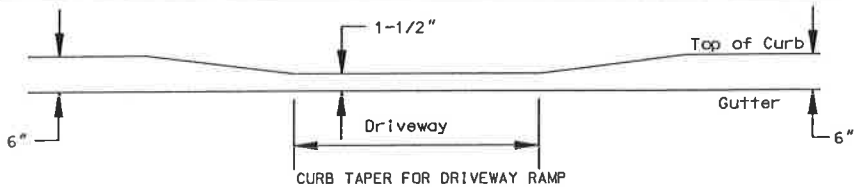
ADDRESS: _____ PHONE: _____

_____ CELL PH: _____

LOT: _____ SUBD. &SECTION: _____







1. CROSS-SLOPE OF SIDEWALK SHALL NOT EXCEED 1:48 (VERTICAL:HORIZONTAL).
2. FIBER MESH REINFORCEMENT IS AN APPROVED ALTERNATIVE FOR THE WIRE MESH. FIBER MESH WILL BE ADDED TO THE CONCRETE AT THE BATCH PLANT AT THE RATE OF 1 1/2 POUNDS PER CUBIC YARD.
3. CURB & GUTTER SHOWN. EXTRUDED CURB ALTERNATE SIMILAR.

1. AT THE TIME OF DRIVEWAY INSPECTION THE PROPERTY CORNER PINS SHALL BE VISIBLE AND THE HOUSE LOCATION STAKED. (THIS IS BEFORE BUILDING PERMIT IS ISSUED.)
2. DRIVEWAY SHALL BE GRADED AND CONSTRUCTED TO PREVENT STORMWATER FROM RUNNING DOWN THE DRIVE FROM THE STREET.
3. DRIVEWAY ELEVATION SHALL BE 1 3/4" ABOVE FINAL EDGE OF PAVEMENT SURFACE.
4. CULVERT SHALL BE SLOPED TO DRAIN WITH EXISTING DITCH (MIMIMUM SLOPE OF 0.5%).
5. INDICATE DIRECTION OF FLOW IN DITCH.
6. SEDIMENT BARRIERS SHALL BE INSTALLED AT BASE OF 10% OR GREATER SLOPES OR IN AREAS WHERE SEDIMENT IS LIKELY TO ENTER THE STREET, DRAIN WAYS, OR DEVELOPED PROPERTY.

SIGNATURE: _____ DATE: _____

APPLICANT AGREES TO CONSTRUCT DRIVEWAY IN ACCORDANCE WITH THIS PERMIT.

APPLICATION APPROVED BY: _____ DATE: _____

SET BACKS APPROVED BY: _____ DATE: _____

UTILITIES APPLICATION

PLEASE PRINT. **REQUIRED INFORMATION*

*APPLICANT'S NAME: _____

*ADDRESS: _____ *PHONE #: _____

EMAIL: _____ CELL PHONE #: _____

LOCATION OF TAP

LOT: _____ SUBDIVISION: _____

*STREET ADDRESS: _____

PHASE(S): _____

*INSIDE CITY: _____ OUTSIDE CITY: _____ CITY STREET CUT REQUIRED: ☐ YES ☐ NO

WILSON COUNTY ROAD COMMISSION PERMIT PROVIDED IF OUTSIDE CITY: ☐ YES

PLEASE ***CHECK*** UTILITY TAP NEEDED

☐ **GAS TAP**	☐ **WATER TAP**	☐ **SEWER TAP**
MAIN SIZE: _____ MAIN MATERIAL: _____ SERVICE SIZE: _____	IRRIGATION (BACKFLOW DEVICE REQUIRED): _____ TAP SIZE: _____ TAP FEE: _____ SURCHARGE FEE: _____ TOTAL: _____	TAP FEE: _____ SURCHARGE FEE: _____ PLUMBING PERMIT: _____ TOTAL: _____
TAP FEE: _____		
JOB COMPLETED BY: _____ *DATE:* _____ *APPROVED BY:* _____ *ENGINEER TECH*	*RECEIVED BY:* _____ *DATE:* _____ *COMPLETED BY:* _____ *DATE:* _____ *FLUSHED LINE SERVICE:* _____ *DATE:* _____ *CHLORINE RESIDUAL:* _____ **WATER SERVICE PROVIDER:**	Stormwater (Impervious Area) Single Family _____Sqft Duplex _____Sqft Condo/ Townhome _____Sqft Comm/ Industrial _____Sqft Monthly Fee $_____

CONNECTION FEES:

	RESIDENTIAL	COMMERCIAL	PAID:
WATER AND SEWER	$75.00	$125.00	_____
WATER ONLY	$75.00	$125.00	_____
SEWER ONLY	$75.00	$125.00	_____
GAS	$75.00	$125.00	_____

RECEIPT #: _____

1 Call Dates _____

1 Call Number _____

The City of Lebanon is a member of Tennessee One Call.
Call 811 before you dig!

APPLICANT UNDERSTANDS THAT WATER METER AND SEWER CLEANOUTS MUST BE ADJUSTED TO MATCH YARD ELEVATIONS PRIOR TO ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY. WATER METERS SHALL BE 18" TO 24" DEEP MAXIMUM.

APPLICANT'S SIGNATURE: _____ DATE: _____

REVIEWED BY: _____

Note: Building Inspection Staff to scan and email executed copy to Staci, Patricia, and Juanita.

Energy Efficiency Certificate

Permit No. _____

Address: _____

Insulation Ratings		R-VALUE
Roof/Ceiling:	With attic	*R*-
	Without attic	*R*-
Walls:	Frame	*R*-
	Mass	*R*-
	Basement	*R*-
	Crawlspace	*R*-
Floors:	Over unconditioned space	*R*-
	Slab-edge (depth)	*R*- / ft
Ducts:	Outside conditioned space	*R*-

Fenestration Ratings	NFRE *U*-Factor	NFRC SHGC
Opaque doors:	*U*-	
Windows:	*U*-	
Skylights:	*U*-	

Equipment Performance		Efficiency
Heating system:	HSPF/AFUE	
Cooling system:	COP/SEER	
Water Heater/Boiler:	EF/E_c or E_t	

Builder/Designer: _____

Certified by: _____ Date: _____

Adopted Code Edition: _____

THIS CERTIFICATE SHALL BE PERMANENTLY POSTED ON OR IN THE ELECTRICAL DISTRIBUTION PANEL AS REQUIRED BY ENERGY / RESIDENTIAL CODES