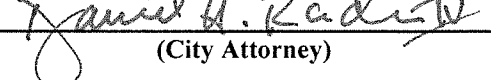


**ORDINANCE 652-21**

**AN ORDINANCE OF THE CITY OF ALGOOD  
ADOPTING THE 2018 EDITION OF THE  
INTERNATIONAL RESIDENTIAL CODE**

**ORDINANCE NO. 652-21  
REQUESTED BY: BUILDING INSPECTOR  
PREPARED BY: CITY RECORDER  
APPROVED AS TO FORM AND CORRECTNESS:**

  
\_\_\_\_\_  
(City Attorney)

**PASSED 1ST READING:  
PASSED 2ND READING:**

**MINUTE BOOK \_\_\_\_\_ PAGE \_\_\_\_\_**

**THE MAYOR AND THE COUNCIL OF THE CITY OF ALGOOD HEREBY ORDAINS:**

**An Ordinance of the City of Algood adopting the 2018 edition of the *International Residential Code*, regulating and governing the construction, alteration, movement, enlargement, replacement, repair, equipment, location, removal and demolition of detached one- and two- family dwelling and multiple single-family dwellings (townhouses) not more than three stories in height with separate means of egress in the City of Algood; providing for the issuance of permits and collection of fees therefor; repealing Ordinance No. 585-14 of the City of Algood and all other ordinances or parts of laws in conflict therewith.**

**Section 1.** That a certain document, one (1) copy of which is on file in the office of the City Recorder of the City of Algood, being marked and designated as the *International Residential Code*, 2018 edition, including Appendix Chapters A through Q, omitting L (see *International Residential Code* Section R102.5. 2018 edition), as published by the International Code Council, be and is hereby adopted as the Residential Code of the City of Algood, in the State of Tennessee for regulating and governing the construction, alteration, movement, enlargement, replacement, repair, equipment, location, removal and demolition of detached one- and two- family dwellings and multiple single family dwellings (townhouses) not more than three stories in height with separate means of egress as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Residential Code on file in the office of the City of Algood are hereby referred to, adopted, and made a part thereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

**Section 2.** The following sections are hereby revised:

- |                   |  |
|-------------------|--|
| Section R101.1    | Insert “City of Algood”  |
| Table R301.2 (1)  | Insert <b>Completed Table R301.2 (1) – Climatic and Geographic Design Criteria</b> (Attached to Ordinance)                   |
| Section R303.4    | Insert “or approved air exchanger on the HVAC System which will make up the required ventilation.” at end of section.        |
| Section R313.2    | Replace the verbiage “one- and two- family dwellings” with all residential dwellings except one- and two- family dwellings.” |
| Section P2503.5.1 | Omit the words “other than plastic”  |
| Section P2603.5.1 | Refer to Table R301.2 (1) for number of inches   |

**Section 3.** That Ordinance 585-14 of the City of Algood entitled 2012 edition of the *International Residential Code* and

all other ordinances or parts of ordinances in conflict herewith are hereby repealed.

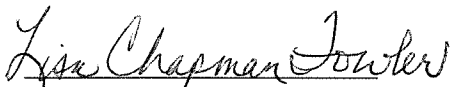
**Section 4.** That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council of Algood, TN hereby declares that it would have passed this law, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

**Section 5.** That nothing in this ordinance or in the Residential Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 3 of this law; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this ordinance.

**Section 6.** That the City Recorder of Algood, TN is hereby ordered and directed to cause this ordinance to be published upon passage.

**Section 7.** That this law and the rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force April 1, 2021.

**This ordinance shall take effect April 1, 2021 the public welfare requiring it.**

  
Mayor

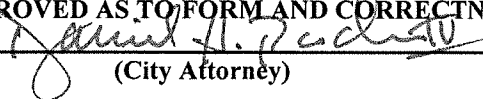
Attest:

  
City Recorder

**ORDINANCE 653-21**

**AN ORDINANCE OF THE CITY OF ALGOOD  
ADOPTING THE 2018 EDITION OF THE  
INTERNATIONAL BUILDING CODE**

**ORDINANCE NO. 653-21  
REQUESTED BY: BUILDING INSPECTOR  
PREPARED BY: CITY RECORDER  
APPROVED AS TO FORM AND CORRECTNESS:**

  
(City Attorney)

**PASSED 1ST READING:  
PASSED 2ND READING:**

**MINUTE BOOK \_\_\_\_\_ PAGE \_\_\_\_\_**

**THE MAYOR AND THE COUNCIL OF THE CITY OF ALGOOD HEREBY ORDAINS:**

**An Ordinance of the City of Algood adopting the 2018 edition of the *International Building Code*, regulating and governing the conditions and maintenance of all property, buildings and structures; by providing the standards for supplied utilities and facilities and other physical things and conditions essential to ensure that structures are safe, sanitary and fit for occupation and use; and the condemnation of buildings and structures unfit for human occupancy and use and the demolition of such structures in the City of Algood; providing for the issuance of permits and collection of fees therefor; repealing Ordinance No. 586-14 of the City of Algood and all other ordinances or parts of laws in conflict therewith.**

**Section 1.** That a certain document, one (1) copy of which is on file in the office of the City Recorder of the City of Algood, being marked and designated as the *International Building Code*, 2018 edition, including Appendix Chapters A through K, omitting L, M, N (see *International Building Code* Section R101.2.1, 2018 edition), as published by the International Code Council, be and is hereby adopted as the Building Code of the City of Algood, in the State of Tennessee for regulating and governing the conditions and maintenance of all property, buildings and structures; by providing the standards for supplied utilities and facilities and other physical things and conditions essential to ensure that structures are safe, sanitary and fit for occupation and use; and the condemnation of buildings and structures unfit for human occupancy and use and the demolition of such structures as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Building Code on file in the office of the City of Algood are hereby referred to, adopted, and made a part thereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

**Section 2.** The following sections are hereby revised:

|                |                         |
|----------------|-------------------------|
| Section 101.1  | Insert "City of Algood" |
| Section 1612.3 | Insert "City of Algood" |
| Section 1612.3 | Insert "May 16, 2007"   |

**Section 3.** That Ordinance 586-14 of the City of Algood entitled 2012 edition of the *International Building Code* and all other ordinances or parts of ordinances in conflict herewith are hereby repealed.

**Section 4.** That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council of Algood, TN hereby declares that it would have passed this law, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

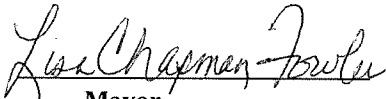
**Section 5.** That nothing in this ordinance or in the Building Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or

existing, under any act or ordinance hereby repealed as cited in Section 3 of this law; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this ordinance.

**Section 6.** That the City Recorder of Algood, TN is hereby ordered and directed to cause this ordinance to be published upon passage.

**Section 7.** That this law and the rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force April 1, 2021.

**This ordinance shall take effect April 1, 2021, the public welfare requiring it.**

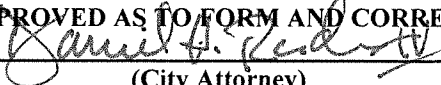
  
\_\_\_\_\_  
Mayor

Attest:

  
\_\_\_\_\_  
City Recorder

ORDINANCE 654-21

AN ORDINANCE OF THE CITY OF ALGOOD  
ADOPTING THE 2018 EDITION OF THE  
*INTERNATIONAL PLUMBING CODE*

ORDINANCE NO. 654-21  
REQUESTED BY: BUILDING INSPECTOR  
PREPARED BY: CITY RECORDER  
APPROVED AS TO FORM AND CORRECTNESS:  
  
(City Attorney)

PASSED 1ST READING:  
PASSED 2ND READING:

MINUTE BOOK \_\_\_\_\_ PAGE \_\_\_\_\_

**THE MAYOR AND THE COUNCIL OF THE CITY OF ALGOOD HEREBY ORDAINS:**

**An Ordinance of the City of Algood adopting the 2018 edition of the *International Plumbing Code*, regulating and governing the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of plumbing systems in the City of Algood; providing for the issuance of permits and collection of fees therefor; repealing all ordinances or parts of laws in conflict therewith.**

**Section 1.** That a certain document, one (1) copy of which is on file in the office of the City Recorder of the City of Algood, being marked and designated as the *International Plumbing Code*, 2018 edition, omitting Appendix Chapter A as published by the International Code Council, be and is hereby adopted as the Plumbing Code of the City of Algood, in the State of Tennessee regulating and governing the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of plumbing systems as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Plumbing Code on file in the office of the City of Algood are hereby referred to, adopted, and made a part thereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

**Section 2.** The following sections are hereby revised:

|                 |  |
|-----------------|--|
| Section 101.1   | Insert "City of Algood"  |
| Section 106.6.1 | Insert "Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting"  |
| Section 106.6.2 | Insert "Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting"  |
| Section 106.6.3 | Refer to Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting" |
| Section 108.4   | Refer to Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting" |
| Section 108.5   | Refer to Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting" |
| Section 305.4.1 | Refer to "Table R301.2 (1)" in the <i>International Residential Code Book</i>                    |
| Section 903.1   | Insert "8 inches"  |

**Section 3.** That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

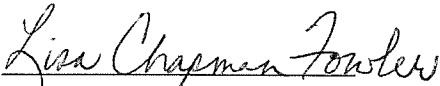
**Section 4.** That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council of Algood, TN hereby declares that it would have passed this law, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

**Section 5.** That nothing in this ordinance or in the Plumbing Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 3 of this law; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this ordinance.

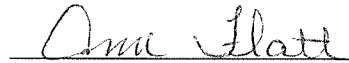
**Section 6.** That the City Recorder of Algood, TN is hereby ordered and directed to cause this ordinance to be published upon passage.

**Section 7.** That this law and the rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force April 1, 2021.

**This ordinance shall take effect April 1, 2021, the public welfare requiring it.**

  
\_\_\_\_\_  
Mayor

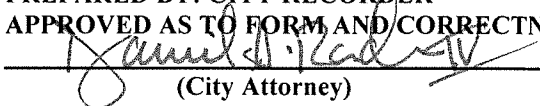
Attest:

  
\_\_\_\_\_  
City Recorder

ORDINANCE 655-21

**AN ORDINANCE OF THE CITY OF ALGOOD  
ADOPTING THE 2018 EDITION OF THE  
INTERNATIONAL MECHANICAL CODE**

**ORDINANCE NO. 655-21  
REQUESTED BY: BUILDING INSPECTOR  
PREPARED BY: CITY RECORDER  
APPROVED AS TO FORM AND CORRECTNESS:**

  
(City Attorney)

**PASSED 1ST READING:  
PASSED 2ND READING:**

**MINUTE BOOK \_\_\_\_\_ PAGE \_\_\_\_\_**

**THE MAYOR AND THE COUNCIL OF THE CITY OF ALGOOD HEREBY ORDAINS:**

**An Ordinance of the City of Algood adopting the 2018 edition of the *International Mechanical Code*, regulating and governing the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of plumbing systems in the City of Algood; providing for the issuance of permits and collection of fees therefor; repealing all ordinances or parts of laws in conflict therewith.**

**Section 1.** That a certain document, one (1) copy of which is on file in the office of the City Recorder of the City of Algood, being marked and designated as the *International Mechanical Code*, 2018 edition, including Appendix Chapter A, omitting B as published by the International Code Council, be and is hereby adopted as the Mechanical Code of the City of Algood, in the State of Tennessee regulating and governing the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of mechanical systems as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Mechanical Code on file in the office of the City of Algood are hereby referred to, adopted, and made a part thereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

**Section 2.** The following sections are hereby revised:

|                 |   |
|-----------------|---|
| Section 101.1   | Insert "City of Algood"   |
| Section 106.5.1 | Insert "Ordinance 593-14: Fees and Fines for Building Construction, Plan Review, and Permitting"  |
| Section 106.5.2 | Insert "Ordinance 593-14: Fees and Fines for Building Construction, Plan Review, and Permitting"  |
| Section 106.5.3 | Refer to Ordinance 593-14: Fees and Fines for Building Construction, Plan Review, and Permitting" |
| Section 108.4   | Refer to Ordinance 593-14: Fees and Fines for Building Construction, Plan Review, and Permitting" |
| Section 108.5   | Refer to Ordinance 593-14: Fees and Fines for Building Construction, Plan Review, and Permitting" |

**Section 3.** That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

**Section 4.** That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council of Algood, TN hereby declares that it would have passed this law, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

**Section 5.** That nothing in this ordinance or in the Mechanical Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 3 of this law; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this ordinance.

**Section 6.** That the City Recorder of Algood, TN is hereby ordered and directed to cause this ordinance to be published upon passage.

**Section 7.** That this law and the rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force April 1, 2021

**This ordinance shall take effect April 1, 2021, the public welfare requiring it.**

  
\_\_\_\_\_  
Mayor

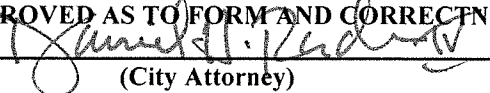
Attest:

  
\_\_\_\_\_  
City Recorder



ORDINANCE 656-21

AN ORDINANCE OF THE CITY OF ALGOOD  
ADOPTING THE 2018 EDITION OF THE  
*INTERNATIONAL FUEL GAS CODE*

ORDINANCE NO. 656-21  
REQUESTED BY: BUILDING INSPECTOR  
PREPARED BY: CITY RECORDER  
APPROVED AS TO FORM AND CORRECTNESS:  
  
(City Attorney)

PASSED 1ST READING:  
PASSED 2ND READING:

MINUTE BOOK \_\_\_\_\_ PAGE \_\_\_\_\_

**THE MAYOR AND THE COUNCIL OF THE CITY OF ALGOOD HEREBY ORDAINS:**

An Ordinance of the City of Algood adopting the 2018 edition of the *International Fuel Gas Code*, regulating and governing fuel gas systems and gas-fired appliances in the City of Algood; providing for the issuance of permits and collection of fees therefor; repealing all ordinances or parts of laws in conflict therewith.

**Section 1.** That a certain document, one (1) copy of which is on file in the office of the City Recorder of the City of Algood, being marked and designated as the *International Fuel Gas Code*, 2018 edition, including Appendix Chapters A through D (see *International Fuel Gas Code* Section 101.3, 2018 edition), as published by the International Code Council, be and is hereby adopted as the Fuel Gas Code of the City of Algood, in the State of Tennessee regulating and governing fuel gas systems and gas-fired appliances as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Fuel Gas Code on file in the office of the City of Algood are hereby referred to, adopted, and made a part thereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

**Section 2.** The following sections are hereby revised:

|                 |  |
|-----------------|--|
| Section 101.1   | Insert "City of Algood"  |
| Section 106.6.1 | Insert "Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting"  |
| Section 106.6.2 | Insert "Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting"  |
| Section 106.6.3 | Refer to Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting" |
| Section 108.4   | Refer to Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting" |
| Section 108.5   | Refer to Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting" |

**Section 3.** That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

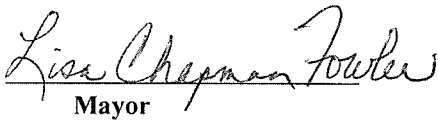
**Section 4.** That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council of Algood, TN hereby declares that it would have passed this law, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

**Section 5.** That nothing in this ordinance or in the Fuel Gas Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 3 of this law; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this ordinance.

**Section 6.** That the City Recorder of Algood, TN is hereby ordered and directed to cause this ordinance to be published upon passage.

**Section 7.** That this law and the rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force April 1, 2021.

**This ordinance shall take effect April 1, 2021, the public welfare requiring it.**

  
\_\_\_\_\_  
Mayor

Attest:

  
\_\_\_\_\_  
City Recorder

**ORDINANCE 657-21**

**AN ORDINANCE OF THE CITY OF ALGOOD  
ADOPTING THE 2018 EDITION OF THE  
INTERNATIONAL EXISTING BUILDING CODE**

**ORDINANCE NO. 657-21  
REQUESTED BY: BUILDING INSPECTOR  
PREPARED BY: CITY RECORDER  
APPROVED AS TO FORM AND CORRECTNESS:**

  
(City Attorney)

**PASSED 1ST READING:  
PASSED 2ND READING:**

**MINUTE BOOK \_\_\_\_\_ PAGE \_\_\_\_\_**

**THE MAYOR AND THE COUNCIL OF THE CITY OF ALGOOD HEREBY ORDAINS:**

**An Ordinance of the City of Algood adopting the 2018 edition of the *International Existing Building Code*, regulating and governing the repair, alteration, change of occupancy, addition and relocation of existing buildings, including historic buildings in the City of Algood; providing for the issuance of permits and collection of fees therefor; repealing all ordinances or parts of laws in conflict therewith.**

**Section 1.** That a certain document, one (1) copy of which is on file in the office of the City Recorder of the City of Algood, being marked and designated as the *International Existing Building Code*, 2018 edition, including Appendix Chapters A,B, and Resource A, omitting Appendix C (see *International Existing Building Code* Section 101.6, 2018 edition), as published by the International Code Council, be and is hereby adopted as the Existing Building Code of the City of Algood, in the State of Tennessee for regulating and governing the repair, alteration, change of occupancy, addition and relocation of existing buildings, including historic buildings, as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Fuel Gas Code on file in the office of the City of Algood are hereby referred to, adopted, and made a part thereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

**Section 2.** The following sections are hereby revised:

|                |                         |
|----------------|-------------------------|
| Section 101.1  | Insert "City of Algood" |
| Section 1401.2 | Insert "April 1, 2021"  |

**Section 3.** That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

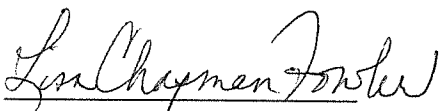
**Section 4.** That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council of Algood, TN hereby declares that it would have passed this law, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

**Section 5.** That nothing in this ordinance or in the Existing Building Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 3 of this law; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this ordinance.

**Section 6.** That the City Recorder of Algood, TN is hereby ordered and directed to cause this ordinance to be published upon passage.

**Section 7.** That this law and the rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force April 1, 2021.

**This ordinance shall take effect April 1, 2021 the public welfare requiring it.**

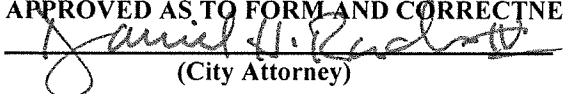
  
Mayor

Attest:

  
City Recorder

ORDINANCE 658-21

AN ORDINANCE OF THE CITY OF ALGOOD  
ADOPTING THE 2018 EDITION OF THE  
*INTERNATIONAL FIRE CODE*

ORDINANCE NO. 658-21  
REQUESTED BY: BUILDING INSPECTOR  
PREPARED BY: CITY RECORDER  
APPROVED AS TO FORM AND CORRECTNESS:  
  
(City Attorney)

PASSED 1ST READING:  
PASSED 2ND READING:

MINUTE BOOK \_\_\_\_\_ PAGE \_\_\_\_\_

**THE MAYOR AND THE COUNCIL OF THE CITY OF ALGOOD HEREBY ORDAINS:**

An Ordinance of the City of Algood adopting the 2018 edition of the *International Fire Code*, regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises in the City of Algood; providing for the issuance of permits and collection of fees therefor; repealing all ordinances or parts of laws in conflict therewith.

**Section 1.** That a certain document, one (1) copy of which is on file in the office of the City Recorder of the City of Algood, being marked and designated as the *International Fire Code*, 2018 edition, including Appendix Chapters A through L, omitting K, M, N (see *International Fire Code* Section 101.2.1, 2018 edition), as published by the International Code Council, be and is hereby adopted as the Existing Building Code of the City of Algood, in the State of Tennessee regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Fire Code on file in the office of the City of Algood are hereby referred to, adopted, and made a part thereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

**Section 2.** The following sections are hereby revised:

- |               |   |
|---------------|---|
| Section 101.1 | Insert “City of Algood”   |
| Section 110.4 | Insert “Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting” |
| Section 112.1 | Insert “Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting” |

**Section 3.** That the geographic limits referred to in certain sections of the 2012 *International Fire Code* are hereby established as follows:

Section 5704.2.9.6.1 (geographic limits in which the storage of Class I and Class II liquids in above-ground tanks outside of buildings is prohibited): **City of Algood**

Section 5706.2.4.4 (geographic limits in which the storage of Class I and Class II liquids in above-ground tanks is prohibited): **City of Algood**

Section 5806.2 (geographic limits in which the storage of flammable cryogenic fluids in stationary containers is prohibited): **City of Algood**

Section 6104.2 (geographic limits in which the storage of liquefied petroleum gas is restricted for the protection of heavily populated or congested areas): **City of Algood**

**Section 4.** That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

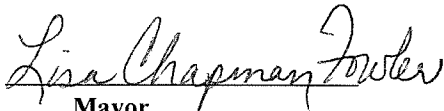
**Section 5.** That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council of Algood, TN hereby declares that it would have passed this law, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

**Section 6.** That nothing in this ordinance or in the Fire Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 3 of this law; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this ordinance.


**Section 7.** That the City Recorder of Algood, TN is hereby ordered and directed to cause this ordinance to be published upon passage.

**Section 8.** That this law and the rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force April 1, 2021.

**This ordinance shall take effect April 1, 2021 the public welfare requiring it.**

  
\_\_\_\_\_  
Mayor

Attest:

  
\_\_\_\_\_  
City Recorder

**ORDINANCE 590-14**

**AN ORDINANCE OF THE CITY OF ALGOOD  
ADOPTING THE 2012 EDITION OF THE  
INTERNATIONAL ENERGY CONSERVATION  
CODE**

**ORDINANCE NO. 590-14  
REQUESTED BY: BUILDING INSPECTOR  
PREPARED BY: CITY RECORDER  
APPROVED AS TO FORM AND CORRECTNESS:**

  
\_\_\_\_\_  
(City Attorney)

**PASSED 1ST READING: November 18, 2014  
PASSED 2ND READING: December 8, 2014**

**MINUTE BOOK \_\_\_\_\_ PAGE \_\_\_\_\_**

**THE MAYOR AND THE COUNCIL OF THE CITY OF ALGOOD HEREBY ORDAINS:**

**An Ordinance of the City of Algood adopting the 2012 edition of the *International Energy Conservation Code*, regulating and governing energy efficient building envelopes and installation of energy efficient mechanical, lighting and power systems in the City of Algood; providing for the issuance of permits and collection of fees therefor; repealing all ordinances or parts of laws in conflict therewith.**

**Section 1.** That a certain document, one (1) copy of which is on file in the office of the City Recorder of the City of Algood, being marked and designated as the *International Energy Conservation Code*, 2012 edition, as published by the International Code Council, be and is hereby adopted as the Energy Conservation Code of the City of Algood, in the State of Tennessee for regulating and governing energy efficient building envelopes and installation of energy efficient mechanical, lighting and power systems as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Energy Conservation Code on file in the office of the City of Algood are hereby referred to, adopted, and made a part thereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

**Section 2.** The following sections are hereby revised:

|                           |  |
|---------------------------|--|
| Section C101.1 and R101.1 | Insert "City of Algood"  |
| Section C108.4 and R108.4 | Refer to <b>Ordinance 593-14: Fees and Fines for Building Construction, Plan Review and Permitting</b> |
| Table C402.2              | Replace "Table C402.2" with "Table 502.2 (1) & (2)" from the 2006 edition of the IECC                  |
| Table R402.1.1            | Replace "Table R402.1.1" with "Table 402.1.1" from the 2006 edition of the IECC                        |

**Section 3.** That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

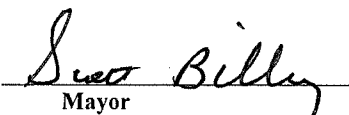
**Section 4.** That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council of Algood, TN hereby declares that it would have passed this law, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

**Section 5.** That nothing in this ordinance or in the Energy Conservation Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 3 of this law; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this ordinance.

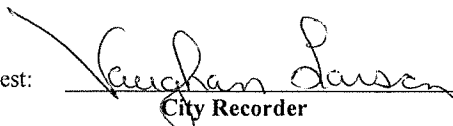
**Section 6.** That the City Recorder of Algood, TN is hereby ordered and directed to cause this ordinance to be published upon passage.

**Section 7.** That this law and the rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force January 1, 2015.

**This ordinance shall take effect January 1, 2015, the public welfare requiring it.**

  
\_\_\_\_\_  
Mayor

Attest:

  
\_\_\_\_\_  
City Recorder

COMMERCIAL ENERGY EFFICIENCY

TABLE 502.2(1)  
BUILDING ENVELOPE REQUIREMENTS – OPAQUE ASSEMBLIES

| CLIMATE ZONE   | 1                      | 2                      | 3                       | 4<br>except<br>Marine  | 5 and<br>Marine 4      | 6                     | 7                     | 8                     |
|--|------------------------|------------------------|-------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|
| <b>Roofs</b>   |                        |                        |                         |                        |                        |                       |                       |                       |
| Insulation entirely above deck                                       | R-15 ci                | R-15 ci                | R-15 ci                 | R-15 ci                | R-20 ci                | R-20 ci               | R-25 ci               | R-25 ci               |
| Metal buildings (with R-5 thermal blocks <sup>a</sup> ) <sup>b</sup> | R-19 + R-10            | R-19                   | R-19                    | R-19                   | R-19                   | R-19                  | R-19 + R-10           | R-19 + R-10           |
| Attic and other  | R-30                   | R-30                   | R-30                    | R-30                   | R-30                   | R-30                  | R-38                  | R-38                  |
| <b>Walls, Above Grade</b>  |                        |                        |                         |                        |                        |                       |                       |                       |
| Mass   | NR                     | NR                     | R-5.7 ci <sup>c,e</sup> | R-5.7 ci <sup>c</sup>  | R-7.6 ci               | R-9.5 ci              | R-11.4 ci             | R-13.3 ci             |
| Metal building <sup>b</sup>  | R-13                   | R-13                   | R-13                    | R-13                   | R-13 + R-13            | R-13 + R-13           | R-13 + R-13           | R-13 + R-13           |
| Metal framed   | R-13                   | R-13                   | R-13                    | R-13                   | R-13 + R-3.8 ci        | R-13 + R-3.8 ci       | R-13 + R-7.5 ci       | R-13 + R-7.5 ci       |
| Wood framed and other  | R-13                   | R-13                   | R-13                    | R-13                   | R-13                   | R-13                  | R-13                  | R-13 + R-7.5 ci       |
| <b>Walls, Below Grade</b>  |                        |                        |                         |                        |                        |                       |                       |                       |
| Below grade wall <sup>d</sup>  | NR                     | NR                     | NR                      | NR                     | NR                     | NR                    | R-7.5 ci              | R-7.5 ci              |
| <b>Floors</b>  |                        |                        |                         |                        |                        |                       |                       |                       |
| Mass   | NR                     | R-5 ci                 | R-5 ci                  | R-10 ci                | R-10 ci                | R-10 ci               | R-15 ci               | R-15 ci               |
| Joist/Framing  | NR                     | R-19                   | R-19                    | R-19                   | R-19                   | R-30                  | R-30                  | R-30                  |
| <b>Slab-on-Grade Floors</b>  |                        |                        |                         |                        |                        |                       |                       |                       |
| Unheated slabs   | NR                     | NR                     | NR                      | NR                     | NR                     | NR                    | NR                    | R-10 for 24 in. below |
| Heated slabs   | R-7.5 for 12 in. below | R-7.5 for 12 in. below | R-7.5 for 12 in. below  | R-7.5 for 12 in. below | R-7.5 for 24 in. below | R-10 for 36 in. below | R-10 for 36 in. below | R-10 for 48 in. below |
| <b>Opaque Doors</b>  |                        |                        |                         |                        |                        |                       |                       |                       |
| Swinging   | U – 0.70               | U – 0.70               | U – 0.70                | U – 0.70               | U – 0.70               | U – 0.70              | U – 0.70              | U – 0.50              |
| Roll-up or sliding   | U – 1.45               | U – 1.45               | U – 1.45                | U – 1.45               | U – 1.45               | U – 0.50              | U – 0.50              | U – 0.50              |

For SI: 1 inch = 25.4 mm.

ci - Continuous Insulation

NR - No Requirement

a. Thermal blocks are a minimum R-5 of rigid insulation, which extends 1-inch beyond the width of the purlin on each side, perpendicular to the purlin.

b. Assembly descriptions can be found in Table 502.2(2).

c. R-5.7 ci may be substituted with concrete block walls complying with ASTM C 90, ungrouted or partially grouted at 32 in. or less on center vertically and 48 in. or less on center horizontally, with ungrouted cores filled with material having a maximum thermal conductivity of 0.44 Btu-in./h-ft<sup>2</sup> F.

d. When heated slabs are placed below grade, below grade walls must meet the exterior insulation requirements for perimeter insulation according to the heated slab-on-grade construction.

e. Insulation is not required for mass walls in Climate Zone 3A located below the "Warm-Humid" line, and in Zone 3B.

TABLE 502.2(2)  
METAL BUILDING ASSEMBLY DESCRIPTIONS

| ROOFS        | DESCRIPTION  | REFERENCE                    |
|--------------|--|------------------------------|
| R-19 + R-10  | <p>Filled cavity roof.</p> <p>Thermal blocks are a minimum R-5 of rigid insulation, which extends 1 in. beyond the width of the purlin on each side, perpendicular to the purlin.</p> <p>This construction is R-10 insulation batts draped perpendicularly over the purlins, with enough looseness to allow R-19 batt to be laid above it, parallel to the purlins. Thermal blocks are then placed above the purlin/batt, and the roof deck is secured to the purlins. In the metal building industry, this is known as the "sag and bag" insulation system.</p> | ASHRAE/IESNA 90.1 Table A2.3 |
| R-19         | <p>Standing seam with single insulation layer.</p> <p>Thermal blocks are a minimum R-5 of rigid insulation, which extends 1 in. beyond the width of the purlin on each side, perpendicular to the purlin.</p> <p>This construction R-19 insulation batts draped perpendicularly over the purlins. Thermal blocks are then placed above the purlin/batt, and the roof deck is secured to the purlins.</p>   | ASHRAE/IESNA 90.1 Table A2.3 |
| <b>Walls</b> |  |                              |
| R-13         | <p>Single insulation layer</p> <p>The first layer of R-13 insulation batts is installed continuously perpendicular to the girts and is compressed as the metal skin is attached to the girts.</p>  | ASHRAE/IESNA 90.1 Table A3.2 |
| R-13 + R-13  | <p>Double insulation layer</p> <p>The first layer of R-13 insulation batts is installed continuously perpendicular to the girts, and is compressed as the metal skin is attached to the girts. The second layer of R-13 insulation batts is installed within the framing cavity.</p>   | ASHRAE/IESNA 90.1 Table A3.2 |

For SI: 1 inch = 25.4 mm.

**502.3 Fenestration. (Prescriptive).** Fenestration shall comply with Table 502.3.

**502.3.1 Maximum area.** The vertical fenestration area (not including opaque doors) shall not exceed the percentage of the gross wall area specified in Table 502.3. The skylight area shall not exceed the percentage of the gross roof area specified in Table 502.3.

**502.3.2 Maximum U-factor and SHGC.** For vertical fenestration, the maximum U-factor and solar heat gain coefficient (SHGC) shall be as specified in Table 502.3, based on the window projection factor. For skylights, the maximum U-factor and solar heat gain coefficient (SHGC) shall be as specified in Table 502.3.

The window projection factor shall be determined in accordance with Equation 5-1.

$$PF = A/B \quad \text{(Equation 5-1)}$$

where:

PF = Projection factor (decimal).

A = Distance measured horizontally from the furthest continuous extremity of any overhang, eave, or permanently attached shading device to the vertical surface of the glazing.

B = Distance measured vertically from the bottom of the glazing to the underside of the overhang, eave, or permanently attached shading device.

Where different windows or glass doors have different PF values, they shall each be evaluated separately, or an area-weighted PF value shall be calculated and used for all windows and glass doors.

**502.4 Air leakage. (Mandatory).**

**502.4.1 Window and door assemblies.** The air leakage of window and sliding or swinging door assemblies that are part of the building envelope shall be determined in accordance with AAMA/WDMA/CSA 101/1.S.2/A440, or NFRC 400 by an accredited, independent laboratory, and labeled and certified by the manufacturer and shall not exceed the values in Section 402.4.2.

**Exception:** Site-constructed windows and doors that are weatherstripped or sealed in accordance with Section 502.4.3.

**502.4.2 Curtain wall, storefront glazing and commercial entrance doors.** Curtain wall, storefront glazing and commercial-glazed swinging entrance doors and revolving doors shall be tested for air leakage at 1.57 pounds per square foot (psf) (75 Pa) in accordance with ASTM E 283.



## CHAPTER 4 RESIDENTIAL ENERGY EFFICIENCY

*This chapter has been revised in its entirety; there will be no marginal markings.*

### SECTION 401 GENERAL

**401.1 Scope.** This chapter applies to residential buildings.

**401.2 Compliance.** Projects shall comply with Sections 401, 402.4, 402.5, 402.6 and 403 (referred to as the mandatory provisions) and either:

1. Sections 402.1 through 402.3 (prescriptive); or
2. Section 404 (performance).

**401.3 Certificate.** A permanent certificate shall be posted on or in the electrical distribution panel. The certificate shall be completed by the builder or registered design professional. The certificate shall list the predominant *R*-values of insulation installed in or on ceiling/roof, walls, foundation (slab, basement wall, crawlspace wall and/or floor) and ducts outside conditioned spaces; *U*-factors for fenestration; and the solar heat gain coefficient (SHGC) of fenestration. Where there is more than one value for each component, the certificate shall list the value covering the largest area. The certificate shall list the type and efficiency of heating, cooling and service water heating equipment.

### SECTION 402 BUILDING THERMAL ENVELOPE

**402.1 General. (Prescriptive).**

**402.1.1 Insulation and fenestration criteria.** The building thermal envelope shall meet the requirements of Table 402.1.1 based on the climate zone specified in Chapter 3.

**402.1.2 *R*-value computation.** Insulation material used in layers, such as framing cavity insulation and insulating sheathing, shall be summed to compute the component *R*-value. The manufacturer's settled *R*-value shall be used for blown insulation. Computed *R*-values shall not include an *R*-value for other building materials or air films.

**402.1.3 *U*-factor alternative.** An assembly with a *U*-factor equal to or less than that specified in Table 402.1.3 shall be permitted as an alternative to the *R*-value in Table 402.1.1.

**Exception:** For mass walls not meeting the criterion for insulation location in Section 402.2.3, the *U*-factor shall be permitted to be:

1. *U*-factor of 0.17 in Climate Zone 1.
2. *U*-factor of 0.14 in Climate Zone 2.
3. *U*-factor of 0.12 in Climate Zone 3.

**TABLE 402.1.1  
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT<sup>a</sup>**

| CLIMATE ZONE       | FENESTRATION<br><i>U</i> -FACTOR | SKYLIGHT <sup>b</sup><br><i>U</i> -FACTOR | GLAZED<br>FENESTRATION<br>SHGC | CEILING<br><i>R</i> -VALUE | WOOD<br>FRAME WALL<br><i>R</i> -VALUE | MASS<br>WALL<br><i>R</i> -VALUE | FLOOR<br><i>R</i> -VALUE | BASEMENT <sup>c</sup><br>WALL<br><i>R</i> -VALUE | SLAB <sup>d</sup><br><i>R</i> -VALUE<br>& DEPTH | CRAWL<br>SPACE <sup>e</sup><br>WALL<br><i>R</i> -VALUE |
|--------------------|----------------------------------|---|--------------------------------|----------------------------|---------------------------------------|---------------------------------|--------------------------|--|---|--|
| 1                  | 1.20                             | 0.75                                      | 0.40                           | 30                         | 13                                    | 3                               | 13                       | 0  | 0   | 0  |
| 2                  | 0.75                             | 0.75                                      | 0.40                           | 30                         | 13                                    | 4                               | 13                       | 0  | 0   | 0  |
| 3                  | 0.65                             | 0.65                                      | 0.40 <sup>e</sup>              | 30                         | 13                                    | 5                               | 19                       | 0  | 0   | 5 / 13   |
| 4 except<br>Marine | 0.40                             | 0.60                                      | NR                             | 38                         | 13                                    | 5                               | 19                       | 10 / 13  | 10, 2 ft  | 10 / 13  |
| 5 and<br>Marine 4  | 0.35                             | 0.60                                      | NR                             | 38                         | 19 or 13+5 <sup>f</sup>               | 13                              | 30 <sup>g</sup>          | 10 / 13  | 10, 2 ft  | 10 / 13  |
| 6                  | 0.35                             | 0.60                                      | NR                             | 49                         | 19 or 13+5 <sup>h</sup>               | 15                              | 30 <sup>g</sup>          | 10 / 13  | 10, 4 ft  | 10 / 13  |
| 7 and 8            | 0.35                             | 0.60                                      | NR                             | 49                         | 21                                    | 19                              | 30 <sup>g</sup>          | 10 / 13  | 10, 4 ft  | 10 / 13  |

For SI: 1 foot = 304.8 mm.

- a. *R*-values are minimums. *U*-factors and SHGC are maximums. *R*-19 shall be permitted to be compressed into a 2 × 6 cavity.
- b. The fenestration *U*-factor column excludes skylights. The SHGC column applies to all glazed fenestration.
- c. The first *R*-value applies to continuous insulation, the second to framing cavity insulation; either insulation meets the requirement.
- d. *R*-5 shall be added to the required slab edge *R*-values for heated slabs.
- e. There are no SHGC requirements in the Marine zone.
- f. Or insulation sufficient to fill the framing cavity, *R*-19 minimum.
- g. "13+5" means *R*-13 cavity insulation plus *R*-5 insulated sheathing. If structural sheathing covers 25 percent or less of the exterior, insulating sheathing is not required where structural sheathing is used. If structural sheathing covers more than 25 percent of exterior, structural sheathing shall be supplemented with insulated sheathing of at least *R*-2.