

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY OF MESQUITE, TEXAS, AMENDING CHAPTER 5 OF THE MESQUITE CITY CODE, BY REPEALING AND REPLACING CHAPTER 5, ARTICLE XII (ENERGY CONSERVATION CODE), DIVISIONS 1 AND 2, IN THEIR ENTIRETY THEREBY ADOPTING THE 2024 EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE (I.E.C.C.) AND PROVIDING CERTAIN LOCAL AMENDMENTS THERETO; PROVIDING CONFLICTS RESOLUTION, SEVERABILITY, AND SAVINGS CLAUSES; PROVIDING FOR A PENALTY NOT TO EXCEED TWO THOUSAND DOLLARS (\$2,000); PROVIDING FOR PUBLICATION OF THE CAPTION HEREOF; AND DECLARING AN EFFECTIVE DATE.

WHEREAS, it is the intent of the City Council of the City of Mesquite, Texas (“**City Council**”), to protect the public health, safety, and welfare; and

WHEREAS, the City of Mesquite, Texas, (“**City**”) is a home-rule municipality acting under its Charter adopted, and amended, by the electorate pursuant to Article 11, [Section 5](#) of the Texas Constitution and [Chapter 9](#) of the Texas Local Government Code; and

WHEREAS, a home-rule municipality has full power of local self-government, pursuant to Texas Local Government Code, Title 2, Subtitle D, Chapter 51, [Section 51.072\(a\)](#); and

WHEREAS, the City shall have the power to enact and enforce ordinances necessary to protect health, life and property and to prevent and summarily abate and remove all nuisances, and to preserve and enforce good government and order and security of the City and its inhabitants, pursuant to Article III, [Section 2](#) of the Mesquite City Charter; and

WHEREAS, a home-rule municipality may enforce ordinances necessary to protect health, life, and property and to preserve the good government, order, and security of the municipality and its inhabitants, pursuant to Texas Local Government Code, Title 2, Subtitle D, Chapter 54, [Section 54.004](#), as amended; and

WHEREAS, the City shall have the power to provide for the issuance of permits for erecting all buildings, for the inspection of the construction of buildings in respect to proper wiring for electric lights and other electrical appliances, piping for gas, flues, chimneys, plumbing, and sewer connections; and to enforce proper regulations in regard thereto; and the City shall also have the power to provide for license, permit and inspection fees, pursuant to Article III, [Section 28](#) of the Mesquite City Charter; and

WHEREAS, on March 17, 2026, the Building Standards Board held public hearings to discuss the adoption of the 2024 Edition of the International Energy Conservation Code (“**I.E.C.C.**”) and to receive input from the general public and all persons who may be affected by the proposed adoption; and

WHEREAS, the Building Standards Board, by majority vote, has recommended the City Council adopt the 2024 Edition of the **I.E.C.C.** and the additions, deletions, and amendments (“**the local amendments**”) thereto, attached hereto as **EXHIBIT A**; and

WHEREAS, upon the favorable recommendation of the Building Standards Board and upon full review and consideration of all matters attendant and related thereto, the City Council is of the opinion that the 2024 Edition of the **I.E.C.C.** and the local amendments thereto, should be approved and adopted as the Energy Conservation Code of the City of Mesquite, Texas.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MESQUITE, TEXAS:

SECTION 1. Recitals Incorporated.

The City Council hereby finds and determines the recitals made in the preamble of this Ordinance are true and correct, and hereby incorporates such recitals here in the body of this Ordinance as if copied in their entirety.

SECTION 2. MESQUITE CITY CODE TEXT AMENDMENT:

Amending Chapter 5, Article XII – Energy Conservation Code.

The Mesquite City Code is hereby amended as identified in **EXHIBIT A** and said exhibit is attached hereto and made a part hereof, and in all other respects, said Code, Chapters, and Articles shall remain in full force and effect.

SECTION 3. Conflicts Resolution Clause.

In the event of an irreconcilable conflict between the provisions of another previously adopted ordinance of the City of Mesquite and the provisions of this Ordinance, the provisions of this Ordinance shall be controlling.

SECTION 4. Severability Clause.

Should any word, sentence, paragraph, subdivision, clause, phrase, or section of this Ordinance be adjudged or held to be void or unconstitutional, the same shall not affect the validity of the remaining portions of said Ordinance and the Mesquite City Code, as hereby or previously amended, which shall remain in full force and effect.

- SECTION 5. Savings Clause.**
An offense committed before the effective date of this Ordinance is governed by prior law and the provisions of the Mesquite City Code, as amended, in effect when the offense was committed, and the former law is continued in effect for this purpose.
- SECTION 6. Penalty Clause.**
Any violation of the provisions or terms of this Ordinance by any “person,” as defined in Mesquite City Code, Chapter 1, [Section 1-2](#), shall be deemed a Class C Misdemeanor criminal offense, and upon conviction thereof, shall be subject to a penalty of fine, or any other general penalties, as provided in Mesquite City Code, Chapter 1, [Section 1-6](#), as amended.
- SECTION 7. Publication.**
This Ordinance shall be published in the City’s official newspaper in accordance with Mesquite City Charter, Article IV, [Section 24](#).
- SECTION 8. Effective Date.**
The effective date of this Ordinance is June 1, 2026.

DULY PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF MESQUITE, TEXAS, ON THE 18TH DAY OF MAY 2026.

Daniel Alemán, Jr.
Mayor

ATTEST:

APPROVED AS TO LEGAL FORM:

Sonja Land
City Secretary

David L. Paschall
City Attorney

MESQUITE CITY CODE

* * *

Chapter 5 – BUILDINGS AND CONSTRUCTION

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ARTICLE XII. ENERGY CONSERVATION CODE

Editor's note:

[Existing Chapter 5, Article XII (Energy Conservation Code), Divisions 1 and 2, shall be repealed in their entirety and replaced with the following text.]

DIVISION 1. - Generally

Sec. 5-801. Short title.

This article shall be known and cited as the "Mesquite Energy Conservation Code" and may hereinafter be referred to in this article as "this code."

(Ord. No. 4801, § 2(Exh. K), 9-21-20)

Sec. 5-802. Adopted.

The International Energy Conservation Code (I.E.C.C.), 2024 Edition, a publication of the International Code Council (I.C.C.), is hereby adopted by reference and incorporated herein to the same extent as if such code were copied verbatim in this Section, subject to the deletions, additions, and amendments ("the local amendments") as may be prescribed in this article. A copy of the International Energy Conservation Code, 2024 Edition, and the local amendments thereto shall be maintained in the Office of the City Secretary.

(Ord. No. 4801, § 2(Exh. K), 9-21-20)

Sec. 5-803. Penalties.

(a) *Criminal penalty.* Any violation of the provisions or terms of this article by any "person," as defined in Mesquite City Code, Chapter 1, [Section 1-2](#), shall be deemed a Class C Misdemeanor criminal offense, and upon conviction thereof, shall be subject to a penalty of fine, or any other general penalties, as provided in Mesquite City Code, Chapter 1, [Section 1-6](#), as amended.

(b) *Civil penalty.* The City may file any other civil actions for enforcement of this article as authorized by law.

(Ord. No. 4801, § 2(Exh. K), 9-21-20)

Charter reference— Enforcement of ordinances, Art. III, § 28.

Cross reference— General penalties, [§ 1-6](#).

State Law reference— General Enforcement Authority of Municipalities;

Penalty, V.T.C.A. Local Government Code, § 54.001;

Civil Action, V.T.C.A. Local Government Code, § 54.012;

Civil Penalty, V.T.C.A. Local Government Code, § 54.017.

Secs. 5-804 – 5-830. – Reserved.

DIVISION 2. – AMENDMENTS

Sec. 5-831. Local Amendments to the International Energy Conservation Code, 2024 Edition.

- (a) *Specific code provisions.* Amendments included in this section are intended to be specific code provisions. If there is a conflict between a provision in the published International Energy Conservation Code (I.E.C.C.), 2024 Edition, and this section, the specific provisions of this section shall control.
- (b) *Table of the local amendments.* The following table contains the local amendments to the I.E.C.C., 2024 Edition.
 - (1) Table Legend.
 - a. Column 1: Item Reference Number
 - b. Column 2: Related I.E.C.C. Code Section Number and Title
 - c. Column 3: Local Amendment to I.E.C.C.
 - d. (...): Dots (...) (i.e., an ellipsis) indicate the omission of intact and unchanged text which has not been reproduced for efficiency purposes. It is intended that the text in the I.E.C.C., not set forth in this section and instead denoted by dots (...), shall remain intact and unchanged from the language existing prior to adoption of this section.
 - e. (* * *): Asterisks (* * *) indicate the omission of intact and unchanged text which has not been reproduced for efficiency purposes. It is intended that the text in the I.E.C.C., not set forth in this section and instead denoted by asterisks (* * *), shall remain intact and unchanged from the language existing prior to adoption of this section.
 - (2) TABLE OF LOCAL AMENDMENTS TO THE 2024 INTERNATIONAL ENERGY CONSERVATION CODE

[The remainder of this page is intentionally left blank.]

Mesquite City Code, Chapter 5 – Buildings and Construction, Article XII – Energy Conservation Code, Divisions 1 and 2

Building Standards Board Meeting Date: March 17, 2026 | City Council Meeting Date: May 18, 2026

[Editor’s Note: Repeal the existing Table and replace with the following new text to now read as follows:]

No.	IECC Code Section No. Title	Local Amendment to IECC
01	IECC Chapter [CE] 1: C101.1 Title.	<p><i>Amend section in its entirety to read as follows:</i></p> <p>C101.1: Title. These regulations shall be known as the Energy Conservation Code of the City of Mesquite, Texas, ("Mesquite Energy Conservation Code") and may hereinafter be referred to as "this code."</p>
02	IECC Chapter [RE] 1: R101.1 Title.	<p><i>Amend section in its entirety to read as follows:</i></p> <p>R101.1 Title. These regulations shall be known as the Energy Conservation Code of the City of Mesquite, Texas, ("Mesquite Energy Conservation Code") and may hereinafter be referred to as "this code."</p>
03	IECC Chapter [CE] 1: C104.1.2 Alternative Compliance.	<p><i>Add new section C104.1.2 to read as follows:</i></p> <p>C104.1.2: Alternative compliance. A building certified by a national, state, or local accredited energy efficiency program and determined by the Energy Systems Laboratory to be in compliance with the energy efficiency requirements of this section may, at the option of the Code Official, be considered in compliance. The United States Environmental Protection Agency's Energy Star Program certification of energy code equivalency shall be considered in compliance.</p>
04	IECC Chapter [RE] 1: R104.1.2 (N1101.4.1) Alternative Compliance.	<p><i>Add new R104.1.2 (N1101.4.1) to read as follows:</i></p> <p>R104.1.2 (N1101.4.1): Alternative compliance. A building certified by a national, state, or local accredited energy efficiency program and determined by the Energy Systems Laboratory to be in compliance with the energy efficiency requirements of this section may, at the option of the Code Official, be considered in compliance. The United States Environmental Protection Agency's Energy Star Program certification of energy code equivalency shall be considered in compliance. Regardless of the program or the path to compliance, each 1- and 2-family dwelling shall be tested for air and duct leakage as prescribed in Section R402.5.1.2 (N1102.5.1.2) and R403.3.7 (N1103.3.7) respectively.</p>
05	IECC Chapter [CE] 1: C106.2 Schedule of Permit Fees.	<p><i>Amend by adding a sentence [after the first and only sentence of the section] to read as follows:</i></p> <p>C106.2: Schedule of permit fees.</p> <p style="text-align: center;">* * *</p> <p>See Mesquite City Code, Appendix D - <i>Comprehensive Fee Schedule</i>, for applicable fees.</p>

06	IECC Chapter [RE] 1: R106.2 Schedule of Permit Fees.	<p><i>Amend by adding a sentence [after the first and only sentence of the section] to read as follows:</i></p> <p>R106.2: Schedule of permit fees.</p> <p style="text-align: center;">* * *</p> <p>See Mesquite City Code, Appendix D - <i>Comprehensive Fee Schedule</i>, for applicable fees.</p>
07	IECC Chapter [CE] 1: C106.6 Refunds.	<p><i>Amend section in its entirety to read as follows:</i></p> <p>C106.6: Refunds.</p> <p>In the case where a fee was paid or collected erroneously, the Building Official shall authorize a one hundred percent (100%) refund of said fee. In the case where a fee was paid or collected and when no work was performed under a permit issued in accordance with this Code, the Building Official Shall authorize a partial refund, of not more than eighty percent (80%) of the permit fee, in accordance with this Section. The Building Official shall not authorize refunding of any fee paid except on written request filed by the original permittee not later than 180-days from the date of fee payment.</p>
08	IECC Chapter [RE] 1: R106.6 Refunds.	<p><i>Amend section in its entirety to read as follows:</i></p> <p>R106.6: Refunds.</p> <p>In the case where a fee was paid or collected erroneously, the Building Official shall authorize a one hundred percent (100%) refund of said fee. In the case where a fee was paid or collected and when no work was performed under a permit issued in accordance with this Code, the Building Official shall authorize a partial refund, of not more than eighty percent (80%) of the permit fee, in accordance with this Section. The Building Official shall not authorize refunding of any fee paid except on written request filed by the original permittee not later than 180-days from the date of fee payment.</p> <p style="text-align: center;"><i>[The remainder of this page is intentionally left blank.]</i></p>

<p>09</p>	<p>IECC Chapter [CE] 1: SECTION C109 Appeals.</p>	<p><i>Amend title and section in its entirety to read as follows:</i></p> <p>SECTION C109 APPEALS</p> <p>C109.1: General.</p> <p>Except as otherwise provided, any person shall have the right to appeal an administrative decision of the Building Official, Fire Official, or any other City official to the Building Standards Board, when said decision is relative to the application, enforcement, or interpretation of this Code.</p> <p>The Building Standards Board is established in Mesquite City Code, Chapter 20, Article IV, Division 4 (Building Standards Board).</p> <p>The process and procedures for appealing an administrative decision are set forth in Chapter 5, Article XIII (Appeals of Administrative Decisions to Building Standards Board).</p> <p>Appeal of an Administrative Decision relative to a Certificate of Occupancy:</p> <p>When an appeal of an administrative decision is relative to a Certificate of Occupancy the appeal shall be to the Board of Adjustment for its denial, revocation, suspension, or otherwise (in accordance with Mesquite Zoning Ordinance, Part 5, 5-100, Section 5-106 (Certificate of Occupancy)).</p> <p>The process and procedures for appealing an administrative decision relative to a Certificate of Occupancy, or any other administrative decision made under the Mesquite Zoning Ordinance, are set forth in Mesquite Zoning Ordinance, Part 5, 5-200, Section 5-210 (Appeals of Administrative Decisions to Board of Adjustment).</p>
<p>10</p>	<p>IECC Chapter [CE] 2: C202 General Definitions.</p>	<p><i>Amend section by changing the definition for "Code Official" to read as follows:</i></p> <p>CODE OFFICIAL.</p> <p>The Building Official, or other authority designated by the Building Official, charged with the administration and enforcement of this Code.</p>
<p>11</p>	<p>IECC Chapter [RE] 1: R202 General Definitions.</p>	<p><i>Amend section by changing the definition for "Code Official" to read as follows:</i></p> <p>CODE OFFICIAL.</p> <p>The Building Official, or other authority designated by the Building Official, charged with the administration and enforcement of this Code.</p> <p style="text-align: center;"><i>[The remainder of this page is intentionally left blank.]</i></p>

12	IECC Chapter [CE] 4: C403.7.4.1 Nontransient Dwelling Units.	<p><i>Amend section and add #5 exceptions to read as follows.</i></p> <p>C403.7.4.1: Nontransient dwelling units. Nontransient dwelling units shall be provided with outdoor air energy recovery ventilation systems complying with not less than one of the following:</p> <ol style="list-style-type: none"> 1. The system shall have an enthalpy recovery ratio of not less than 50 percent at cooling design condition and not less than 60 percent at heating design condition. 2. The system shall have a sensible recovery efficiency (SRE) that is not less than 65 percent at 32°F (0°C) and in Climate Zones 0A, 1A, 2A and 3A shall have a net moisture transfer (NMT) that is not less than 40 percent at 95°F (35°C). SRE and NMT shall be determined from a listed value or from interpolation of listed values at an airflow not less than the design airflow, based on testing in accordance with CAN/CSA C439. <p>Exceptions:</p> <ol style="list-style-type: none"> 1. Nontransient dwelling units in Climate Zone 3C. 2. Nontransient dwelling units with not more than 500 square feet (46 m2) of <i>conditioned floor area</i> in Climate Zones 0, 1, 2, 3, 4C and 5C. 3. <i>Enthalpy recovery ratio</i> requirements at heating design condition in Climate Zones 0, 1 and 2. 4. <i>Enthalpy recovery ratio</i> requirements at cooling design condition in Climate Zones 4, 5, 6, 7 and 8. 5. Dwelling units using ventilation systems per the Fan Efficacy Table in R406, shall be considered in compliance.
13	IECC Chapter [CE] 4: C405.2.10 Sleeping Unit and Dwelling Unit Lighting and Switched Receptacle Controls.	<i>Delete this section.</i>
14	IECC Chapter [RE] 1: R105.2.2 Solar Ready System.	<i>Delete this section.</i>
15	IECC Chapter [RE] 1: R106.3 Permit Valuation.	<i>Delete this section.</i>
16	IECC Chapter [RE] 2: R202 (N1101.6) General Definitions	<p><i>Add definition for "Dynamic Glazing" as follows:</i></p> <p>DYNAMIC GLAZING. Any fenestration product that has the fully reversible ability to change its performance properties, including U-factor, solar heat gain coefficient (SHGC), or visible transmittance (VT).</p>

17	IECC Chapter [RE] 4: R401.2.1 Prescriptive Compliance Option.	<p><i>Amend section to delete the reference to R408 to now read as follows:</i></p> <p>R401.2.1: Prescriptive Compliance Option. The Prescriptive Compliance Option requires compliance with Sections R401 through R404.</p>						
18	IECC Chapter [RE] 4: Table 402.1.2 (1102.1.2) MAXIMUM ASSEMBLY U-FACTOR AND FENESTRATION REQUIREMENTS	<p><i>Amend table as follows.</i></p> <p>TABLE R402.1.2 (N1102.1.2) - MAXIMUM ASSEMBLY U-FACTOR AND FENESTRATION REQUIREMENTS.</p> <p><i>[Portions of table not shown remain unchanged.]</i></p> <table border="1" data-bbox="625 655 1398 793"> <thead> <tr> <th>CLIMATE ZONE</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td><u>Attic Roofline U-factor^f</u></td> <td><u>0.035</u></td> <td><u>0.035</u></td> </tr> </tbody> </table> <p>f. Air-impermeable insulation located at the attic roofline but below the roof deck may be used if mechanical equipment and air distribution system are located entirely within the building thermal envelope. "Air-impermeable" shall be defined as having an air permeance not exceeding 0.02 L/s-m² at 75 Pa pressure differential tested according to ASTM E 2178 or ASTM E 283.</p>	CLIMATE ZONE	2	3	<u>Attic Roofline U-factor^f</u>	<u>0.035</u>	<u>0.035</u>
CLIMATE ZONE	2	3						
<u>Attic Roofline U-factor^f</u>	<u>0.035</u>	<u>0.035</u>						
19	IECC Chapter [RE] 4: Table 402.1.3 (1102.1.3) INSULATION MINIMUM R-VALUES AND FENESTRATION REQUIREMENTS BY COMPONENT	<p><i>Amend table as follows.</i></p> <p>TABLE R402.1.3 (N1102.1.3) - INSULATION MINIMUM R-VALUES AND FENESTRATION REQUIREMENTS BY COMPONENT^a</p> <p><i>[Portions of table not shown remain unchanged.]</i></p> <table border="1" data-bbox="625 1360 1398 1499"> <thead> <tr> <th>CLIMATE ZONE</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td><u>attic roofline R-valueⁱ</u></td> <td><u>30+0ci</u></td> <td><u>30+0ci</u></td> </tr> </tbody> </table> <p>i. Air-impermeable insulation of R-30&0 or greater located at the attic roofline but below the roof deck may be used if mechanical equipment and air distribution system are located entirely within the building thermal envelope. "Air-impermeable" shall be defined as having an air permeance not exceeding 0.02 L/s-m² at 75 Pa pressure differential tested according to ASTM E 2178 or ASTM E 283.</p>	CLIMATE ZONE	2	3	<u>attic roofline R-valueⁱ</u>	<u>30+0ci</u>	<u>30+0ci</u>
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<u>attic roofline R-valueⁱ</u>	<u>30+0ci</u>	<u>30+0ci</u>						

<p>20</p>	<p>IECC Chapter [RE] 4: R402.2.10 (N1102.2.10) Slab-On-Grade Floors.</p>	<p><i>Amend section by amending the exception to read as follows:</i></p> <p>R402.2.10 (N1102.2.10): Slab-on-grade floors.</p> <p style="text-align: center;">* * *</p> <p>Exception: Slab-edge insulation is not required in jurisdictions designated by the code official as having a moderate to heavy or very heavy termite infestation probability.</p>
<p>21</p>	<p>IECC Chapter [RE] 4: R402.5.5 (N1102.5.5) Air-Sealed Electrical And Communication Outlet Boxes.</p>	<p><i>Amend section and add an exception to read as follows:</i></p> <p>Section R402.5.5 (N1102.5.5): Air-sealed electrical and communication outlet boxes.</p> <p>Air-sealed electrical and communication outlet boxes that penetrated the air barrier of the building thermal envelope shall be caulked, taped, gasketed or otherwise sealed to the air barrier element being penetrated. Air-sealed boxes shall be buried in or surrounded by insulation. Air-sealed boxes shall be tested and marked in accordance with NEMA OS 4. Air-sealed boxes shall be installed in accordance with the manufacturer’s instructions.</p> <p>Exception: Boxes may be air-sealed in the field using caulk, tape, gasket or other approved method to prevent air leakage through the box in lieu of NEMA OS 4 boxes. Boxes air-sealed in the field shall be sealed to the air barrier element being penetrated and installed in accordance with manufacturer’s instructions.</p> <p style="text-align: center;"><i>[The remainder of this page is intentionally left blank.]</i></p>

22	IECC Chapter [RE] 4: R404.2 (N1104.2) Interior Lighting Controls.	<i>Delete this section.</i>												
23	IECC Chapter [RE] 4: TABLE R405.4.2(1) (N1105.4.2(1)) - SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS	<p><i>Amend table as follows:</i></p> <p>TABLE R405.4.2(1) (N1105.4.2(1)) - SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS</p> <p>TABLE R405.4.2(1) (N1105.4.2(1)) SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS</p> <p><i>Portions of table not shown remain unchanged.</i></p> <table border="1" data-bbox="597 653 1500 934"> <thead> <tr> <th data-bbox="597 653 748 716">BUILDING COMPONENT</th> <th data-bbox="748 653 1333 716">STANDARD REFERENCE DESIGN</th> <th data-bbox="1333 653 1500 716">PROPOSED DESIGN</th> </tr> </thead> <tbody> <tr> <td data-bbox="597 716 748 758"></td> <td data-bbox="748 716 1333 758">Type: same as proposed.</td> <td data-bbox="1333 716 1500 758">As proposed</td> </tr> <tr> <td data-bbox="597 758 748 873">Foundations</td> <td data-bbox="748 758 1333 873">Foundation wall or slab extension above grade: 1 foot (30cm) Foundation wall or slab extension below grade: same as proposed Foundation wall or slab perimeter length: same as proposed Soil characteristics: same as proposed.</td> <td data-bbox="1333 758 1500 873">As proposed</td> </tr> <tr> <td data-bbox="597 873 748 934"></td> <td data-bbox="748 873 1333 934">Foundation wall U-factor and slab-on-grade F-factor: as specified in Table R402.1.2.ⁿ</td> <td data-bbox="1333 873 1500 934">As proposed</td> </tr> </tbody> </table> <p>For SI: 1 square foot = 0.93 m², 1 British thermal unit = 1055 J, 1 pound per square foot = 4.88 kg/m², 1 gallon (US) = 3.785 L, °C = (°F-32)/1.8, 1 degree = 0.79 rad.</p> <p><u>n. In accordance with Section R402.2.10, a maximum F-factor of 0.73 shall apply for the reference design in jurisdictions designated by the code official as having a moderate to heavy or very heavy termite infestation probability.</u></p> <p style="text-align: center;"><i>[The remainder of this page is intentionally left blank.]</i></p>	BUILDING COMPONENT	STANDARD REFERENCE DESIGN	PROPOSED DESIGN		Type: same as proposed.	As proposed	Foundations	Foundation wall or slab extension above grade: 1 foot (30cm) Foundation wall or slab extension below grade: same as proposed Foundation wall or slab perimeter length: same as proposed Soil characteristics: same as proposed.	As proposed		Foundation wall U-factor and slab-on-grade F-factor: as specified in Table R402.1.2. ⁿ	As proposed
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Mesquite City Code, Chapter 5 – Buildings and Construction, Article XII – Energy Conservation Code, Divisions 1 and 2
 Building Standards Board Meeting Date: March 17, 2026 | City Council Meeting Date: May 18, 2026

24	IECC Chapter [RE] 4: Table R406.5 Maximum Energy Rating Index.	<p><i>Amend table as follows:</i></p> <p>TABLE R406.5 (N1106.5) MAXIMUM ENERGY RATING INDEX; amend to read as follows:</p> <p style="text-align: center;">TABLE R406.5 (N1106.5) ² MAXIMUM ENERGY RATING INDEX</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CLIMATE ZONE</th> <th>ENERGY RATING INDEX NOT INCLUDING OPP</th> <th>ENERGY RATING INDEX WITH OPP</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">54 59</td> <td style="text-align: center;">34</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">50 59</td> <td style="text-align: center;">33</td> </tr> </tbody> </table> <p>² The table is effective from September 1, 2022 to August 31, 2025.</p> <p style="text-align: center;">TABLE R406.5 (N1106.5) ³ MAXIMUM ENERGY RATING INDEX</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CLIMATE ZONE</th> <th>ENERGY RATING INDEX NOT INCLUDING OPP</th> <th>ENERGY RATING INDEX WITH OPP</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">54 57</td> <td style="text-align: center;">34</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">50 57</td> <td style="text-align: center;">33</td> </tr> </tbody> </table> <p>³ The table is effective from September 1, 2025 to August 31, 2028.</p> <p style="text-align: center;">TABLE R406.5 (N1106.5) ⁴ MAXIMUM ENERGY RATING INDEX</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CLIMATE ZONE</th> <th>ENERGY RATING INDEX NOT INCLUDING OPP</th> <th>ENERGY RATING INDEX WITH OPP</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">54 55</td> <td style="text-align: center;">34</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">50 55</td> <td style="text-align: center;">33</td> </tr> </tbody> </table> <p>⁴ This table is effective on or after September 1, 2028.</p>	CLIMATE ZONE	ENERGY RATING INDEX NOT INCLUDING OPP	ENERGY RATING INDEX WITH OPP	2	54 59	34	3	50 59	33	CLIMATE ZONE	ENERGY RATING INDEX NOT INCLUDING OPP	ENERGY RATING INDEX WITH OPP	2	54 57	34	3	50 57	33	CLIMATE ZONE	ENERGY RATING INDEX NOT INCLUDING OPP	ENERGY RATING INDEX WITH OPP	2	54 55	34	3	50 55	33
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(Ord. No. 4801, § 2(Exh. K), 9-21-20; Ord. No. 4894, § 7(Exh. F), 9-7-21; Ord. No. 4945, § 2(Exh. A), 3-21-22;
 Ord. No. 5061, § 3(Exh. B), 9-5-23)

Secs. 5-832—5-850. – Reserved.

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