

Exhibit F
2024 IECC (Energy Provisions of the 2024 IRC) Local Amendments

C102/R102 General; add Section C102.1.2 and R102.1.2 (N1101.4.1) to read as follows:

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.

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.

C403.7.4.1 Nontransient dwelling units.; amend as follows.

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:

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.

Exceptions:

1. Nontransient dwelling units in Climate Zone 3C.
2. Nontransient dwelling units with not more than 500 square feet (46 m²) of conditioned floor area in Climate Zones 0, 1, 2, 3, 4C and 5C.
3. Enthalpy recovery ratio requirements at heating design condition in Climate Zones 0, 1 and 2.
4. Enthalpy recovery ratio 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.

C405.2.10 Sleeping unit and dwelling unit lighting and switched receptacle controls; deleted in its entirety.

R105.2.2 Solar Ready System; deleted in entirety.

R106.3 Permit Valuation; deleted in entirety.

Section R202 (N1101.6) Definitions; add the following definition:

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).

R401.2.1 Prescriptive Compliance Option; deleted reference to R408.

R402.2.10 (N1102.2.10) Slab-on-grade floors; amend as follows.

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.

R402.5.5 (N1102.5.5) Air-sealed electrical and communication outlet boxes; amend as follows.

R402.5.5 (N1102.5.5) Air-sealed electrical and communication outlet boxes. 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.

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

Table 402.1.2 (1102.1.2) Maximum Assembly/Climate Zone items; amend table as follows.

TABLE R402.1.2 (N1102.1.2) - MAXIMUM ASSEMBLY U-FACTOR AND FENESTRATION REQUIREMENTS

Portions of table not shown remain unchanged.

<i>CLIMATE ZONE</i>	<i>2</i>	<i>3</i>
<u>Attic Roofline U-factor^f</u>	<u>0.035</u>	<u>0.035</u>

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.

402.1.3 (N1102.1.3) Insulation/Climate Zone items: amend table as follows.

TABLE R402.1.3 (N1102.1.3) - INSULATION MINIMUM R-VALUES AND FENESTRATION REQUIREMENTS BY COMPONENT

Portions of table not shown remain unchanged.

<i>CLIMATE ZONE</i>	<i>2</i>	<i>3</i>
<i><u>attic roofline R-valueⁱ</u></i>	<i><u>30+0ci</u></i>	<i><u>30+0ci</u></i>

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.

R404.2 (N1104.2) Interior lighting controls; deleted in its entirety.

TABLE R405.4.2(1) (N1105.4.2(1)) - SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS: amend table as follows.

TABLE R405.4.2(1) (N1105.4.2(1)) SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS

Portions of table not shown remain unchanged.

BUILDING COMPONENT	STANDARD REFERENCE DESIGN	PROPOSED DESIGN
Foundations	Type: same as proposed.	As proposed
	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

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.

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.

TABLE R406.5 (N1106.5) MAXIMUM ENERGY RATING INDEX; amend to read as follows:

TABLE R406.5 (N1106.5) ²

MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX NOT INCLUDING OPP	ENERGY RATING INDEX WITH OPP
2	51 59	34
3	50 59	33

² The table is effective from September 1, 2022 to August 31, 2025.

TABLE R406.5 (N1106.5) ³

MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX NOT INCLUDING OPP	ENERGY RATING INDEX WITH OPP
2	51 57	34
3	50 57	33

³ The table is effective from September 1, 2025 to August 31, 2028.

TABLE R406.5 (N1106.5) ⁴

MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX NOT INCLUDING OPP	ENERGY RATING INDEX WITH OPP
2	51 55	34
3	50 55	33

⁴ This table is effective on or after September 1, 2028.

R408 Additional Efficiency Requirements; deleted in entirety.

NOTE : **HB 3215** was signed into law by the Governor on **June 14, 2021** as part of **the 87th Regular Session** Codified in *Chapter 388 Texas Building Energy Performance Standards: §388.003 (i), (j), and (k)*. HB 3215 now allows a **Home Energy Rating System Index (ex. HERS Index)** utilizing ANSI/RESNET/ICC Standard 301 (as it existed on January 1, 2021) shall be considered in compliance with State law provided that:

- o The home includes compliance with the Mandatory requirements of 2018 IECC Section R406.2.
- o The home includes compliance with Building thermal envelope provisions of Table R402.1.2 or Table R402.1.4 of the 2018 IECC

END