

ORDINANCE NO. 2001

AN ORDINANCE OF THE TOWN COUNCIL OF THE TOWN OF HIGHLAND PARK, TEXAS REPEALING CHAPTER 3 BUILDING REGULATIONS, ARTICLE 3.07 ENERGY CONSERVATION CODE, OF THE CODE OF ORDINANCES OF THE TOWN OF HIGHLAND PARK, AND ALL ORDINANCES, OR AMENDMENTS THERETO, THAT CONFLICT WITH THE TERMS OR CONDITIONS OF THIS ORDINANCE AND ENACTING IN LIEU THEREOF A NEW CHAPTER 3 BUILDING REGULATIONS, ARTICLE 3.07 ENERGY CONSERVATION CODE ADOPTING THE INTERNATIONAL ENERGY CONSERVATION CODE 2015 EDITION AS THE ENERGY CONSERVATION CODE OF THE TOWN OF HIGHLAND PARK, TEXAS SUBJECT TO CERTAIN AMENDMENTS CONTAINED HEREIN; PROVIDING A SEVERABILITY CLAUSE; PROVIDING PENALTIES FOR VIOLATION OF THIS ORDINANCE; PROVIDING FOR INCORPORATION INTO THE CODE OF ORDINANCES OF THE TOWN OF HIGHLAND PARK; AND PROVIDING AN EFFECTIVE DATE.

BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF HIGHLAND PARK, TEXAS:

SECTION 1. That, CHAPTER 3 BUILDING REGULATIONS, ARTICLE 3.07 ENERGY CONSERVATION CODE, is hereby repealed.

SECTION 2. That, a new CHAPTER 3 BUILDING REGULATIONS, ARTICLE 3.07 ENERGY CONSERVATION CODE, of the Code of Ordinances of the Town of Highland Park is hereby adopted and shall read as follows:

Sec. 3.07.001 Title

This article shall be known as the Town energy conservation code and may be cited as such, and will be referred to in this article as “the energy conservation code.”

Sec. 3.07.002 Adopted

The International Energy Conservation Code, 2015 edition, together with all amendments thereto, shall be and same is hereby made a part of this article by reference, the same as if copied herein and made a part hereof, and copies of said International Energy Conservation Code, 2015 edition, shall be kept on file in the office of the Building Inspector.

Sec. 3.07.003 Amendments

The following deletions, additions, and amendments to the International Energy Conservation Code contained herein are hereby approved and adopted:

Add Section C102.1.2, which shall read as follows:

C102.1.2 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.

Add Section R102.1.2, which shall read as follows:

R102.1.2 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. 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 R402.4 and R403.3.3 respectively.

Section C202; add the following definition:

PROJECTION FACTOR. The ratio of the horizontal depth of the overhang, eave or permanently attached shading device, divided by the distance measured vertically from the bottom of the fenestration glazing to the underside of the overhang, eave or permanently attached shading device.

Section R202; add the following definitions:

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).

PROJECTION FACTOR. The ratio of the horizontal depth of the overhang, eave or permanently attached shading device, divided by the distance measured vertically from the bottom of the fenestration glazing to the underside of the overhang, eave or permanently attached shading device.

Section R402.3.2 Glazed fenestration SHGC; amend by adding a paragraph and table following the exception to read as follows:

{existing text remains unchanged}

Where vertical fenestration is shaded by an overhang, eave, or permanently attached shading device, the SHGC required in Table R402.1.2 shall be reduced by using the multipliers in Table R402.3.2 SHGC Multipliers for Permanent Projections.

Table R402.3.2 SHGC Multipliers for Permanent Projections ^a

Projection Factor	SHGC Multiplier (all Other Orientation)	SHGC Multiplier (North Oriented)
0 - 0.10	1.00	1.00
>0.10 – 0.20	0.91	0.95
>0.20 – 0.30	0.82	0.91
>0.30 – 0.40	0.74	0.87
>0.40 – 0.50	0.67	0.84
>0.50 – 0.60	0.61	0.81
>0.60 – 0.70	0.56	0.78
>0.70 – 0.80	0.51	0.76
>0.80 – 0.90	0.47	0.75
>0.90 – 1.00	0.44	0.73

^aNorth oriented means within 45 degrees of true north.

Section R402.4.1.2 Testing; add a last paragraph to read as follows:

{existing text remains unchanged}

Mandatory testing shall only be performed by individuals that are certified to perform air infiltration testing certified by national or state organizations as approved by the building official. The certified individuals must be an independent third-party entity, and may not be employed; or have any financial interest in the company that constructs the structure.

Section R403.3.3 Duct Testing (Mandatory) Add a last paragraph to read as follows:

{existing text remains unchanged}

Mandatory testing shall only be performed by individuals that are certified to perform duct testing leakage testing certified by national or state organizations as approved by the building official. The certified individuals must be an independent third-party entity, and may not be employed; or have any financial interest in the company that constructs the structure.

Add Section C402.2.9, which shall read as follows:

Section C402.2.7 Insulation installed in walls. To insure that insulation remains in place, insulation installed in walls shall be totally enclosed on all sides consisting of framing lumber, gypsum, sheathing, wood structural panel sheathing, netting or other equivalent material approved by the building official.

Add Section R402.2.14, which shall read as follows

Section R402.2.14 Insulation installed in walls. To insure that insulation remains in place, insulation installed in walls shall be totally enclosed on all sides consisting of framing lumber, gypsum, sheathing, wood structural panel sheathing, netting or other equivalent material approved by the building official.

Section R405.6.2; add the following sentence to the end of paragraph:

{existing text remains unchanged}

Acceptable performance software simulation tools may include, but are not limited to, REM Rate™, Energy Gauge and IC3. Other performance software programs accredited by RESNET BESTEST and having the ability to provide a report as outlined in R405.4.2 may also be deemed acceptable performance simulation programs and may be considered by the building official.

TABLE R406.4 MAXIMUM ENERGY RATING INDEX; amend to read as follows:

TABLE R406.4¹
MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX
3	65

¹ This table is effective until August 31, 2019.

TABLE R406.4²
MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX
3	63

² The table is effective from September 1, 2019 to August 31, 2022.

TABLE R406.4³
MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX
3	59

³ This table is effective on or after September 1, 2022.

SECTION 3. That, should any sentence, paragraph, subdivision, clause, phrase or section of this ordinance be adjudged or be held to be unconstitutional, illegal or invalid, the same shall not affect the validity of this ordinance as a whole, or any part or provision thereof other than the part thereof decided to be unconstitutional, illegal, or invalid and the same shall not affect the validity of the Code of Ordinances of the Town of Highland Park as a whole.

SECTION 4. That, the penalty provision of Chapter 1, Section 1.01.009 of The Code of Ordinances is hereby adopted for this ordinance.

SECTION 5. That, this ordinance shall be deemed to be incorporated into The Code of Ordinances of the Town of Highland Park, Texas.

SECTION 6. That, this ordinance shall become effective August 1, 2016. Permits obtained from this date forward shall adhere to the establish requirements.

PASSED AND APPROVED by the Town Council of the Town of Highland Park, Texas, on this the 27th day of June, 2016.

APPROVED AS TO FORM:



Ben Stool
Assistant Town Attorney

APPROVED:



Joel T. Williams, III
Mayor

ATTEST:



Gayle Kirby
Town Secretary