

TOWN OF ADDISON, TEXAS

ORDINANCE NO. 008-012

AN ORDINANCE OF THE TOWN OF ADDISON, TEXAS, AMENDING CHAPTER 18, ARTICLE VII, OF THE CODE OF ORDINANCES OF THE TOWN OF ADDISON, TEXAS, TO PROVIDE MINIMUM STANDARDS TO SAFEGUARD LIFE OR LIMB, PROPERTY, AND PUBLIC WELFARE BY REGULATING THE DESIGN, CONSTRUCTION, QUALITY OF MATERIALS, USE AND OCCUPANCY, LOCATION AND MAINTENANCE OF BUILDINGS AND STRUCTURES. PROVIDING FOR A PENALTY CLAUSE; PROVIDING FOR A SEVERABILITY CLAUSE; AND PROVIDING FOR A REPEAL CLAUSE.

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

SECTION 1. That the Code of Ordinances of the Town of Addison be amended by changing Sec. 18-401, Sec. 18-427, Sec. 18-428, Sec. 18-429, Sec. 18-430, Sec. 18-431, Sec. 18-432, Sec. 18-433, Sec. 18-434, Sec. 18-435, Sec. 18-436 and Sec. 18-441 to read as follows:

ARTICLE VII HOUSING CODE.

Sec. 18-401. Adopted.

For the purpose of providing minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, quality of materials used, use and occupancy, location and maintenance of all buildings and structures within the city and certain equipment specifically regulated herein, the International Residential Code, 2006 Edition (a copy of which, authenticated by the signature of the mayor and the city secretary, and made a public record by ordinance, is on file in the city secretary's office), is hereby adopted as the

building code of the city as fully as if copied at length in this article, but with the changes therein and additions thereto to provided in this article. Also, adopted are Appendices E, F, G, H, I, J and K of the 2006 Edition of the International Residential Code.

Sec. 18-427. Exterior Walls.

The International Residential Code is amended by changing Exception 1 and adding Exception 4 in Section R302.1 to read as follows:

Exception 1. Detached tool sheds and storage sheds, playhouses similar structures where the floor areas do not exceed 200 square feet are not required to provide wall protection based on location on the lot. Projections beyond the exterior wall shall not extend over lot lines.

Exception 4. In townhomes projections with a minimum type IV, 1 HR, or Fire Treated construction may project onto adjacent property where a unity agreement complying with Section R302.2 has been executed.

Sec. 18-428. Unity Agreements.

The International Residential Code is amended by adding Section R302.2 to read as follows:

R302.2 Unity agreement. See Section 704.15 of the International Building Code.

Sec. 18-429. Automatic Fire Extinguishing System.

The International Residential Code is amended by adding Section R325 to read as follows:

SECTION R325

AUTOMATIC FIRE EXTINGUISHING SYSTEMS

R325.1. General. An automatic fire extinguishing system shall be installed according to Chapter 9 of the International

Building Code.

Sec. 18-430. Disposal of Construction Waste.

The International Residential Code is amended by adding Section R326 to read as follows:

SECTION R326

DISPOSAL OF CONSTRUCTION WASTE

R326.1 General. See Section 3313 of the International Building Code.

Sec. 18-431. Excavation, Construction or Demolition at night prohibited.

The International Residential Code is amended by adding Section R327 to read as follows:

SECTION R327

EXCAVATION, CONSTRUCTION OR DEMOLITION AT NIGHT PROHIBITED

R327.1 General. See Section 3314 of the International Building Code.

Sec. 18-432. Stormwater Runoff.

The International Residential Code is amended by adding Section R328 to read as follows:

SECTION R328

STORMWATER RUNOFF

R328.1 General. See Section 3315 of the International Building Code.

Sec. 18-433. Building Security.

The International Residential Code is amended by adding Section R329 to read as follows:

SECTION R329

BUILDING SECURITY

R329.1 General. See Chapter 36 of the International Building Code.

Sec. 18-434. Airport Noise.

The International Residential Code is amended by adding Section R330 to read as follows:

SECTION R330

AIRPORT NOISE

R330.1 General. See Chapter 37 of the International Building Code.

Sec. 18-435. Exterior Plaster.

The International Residential Code is amended by adding Section R703.6.4 to read as follows:

R703.6.4 3/8" One-coat stucco system. See Section 2512.10 of the International Building Code.

Sec. 18-436. Exterior insulation and finish system (EIFS).

The International Residential Code is amended by adding Section R703.9.3 to read as follows:

R703.9.3 Requirements: In addition to the above requirements

the exterior insulation and finish system shall comply with Section 1403.7 of the International Building Code.

Sec. 18-441. Amendments to Chapter 11 Energy Efficiency.

Chapter 11 Energy Efficiency of the International Residential Code is amended to read as follows:

Amend Section N1101.2.1 to read as follows:

N1101.2.1 Warm humid counties. Warm humid counties are listed in Table N1101.2.1 and Table N1101.2.2.

Amend Section N1101.7 to read as follows:

N1101.7 Alternate 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 Star Program certification of energy code equivalency shall be considered in compliance.

Amend Figure N1101.2 to read as follows:

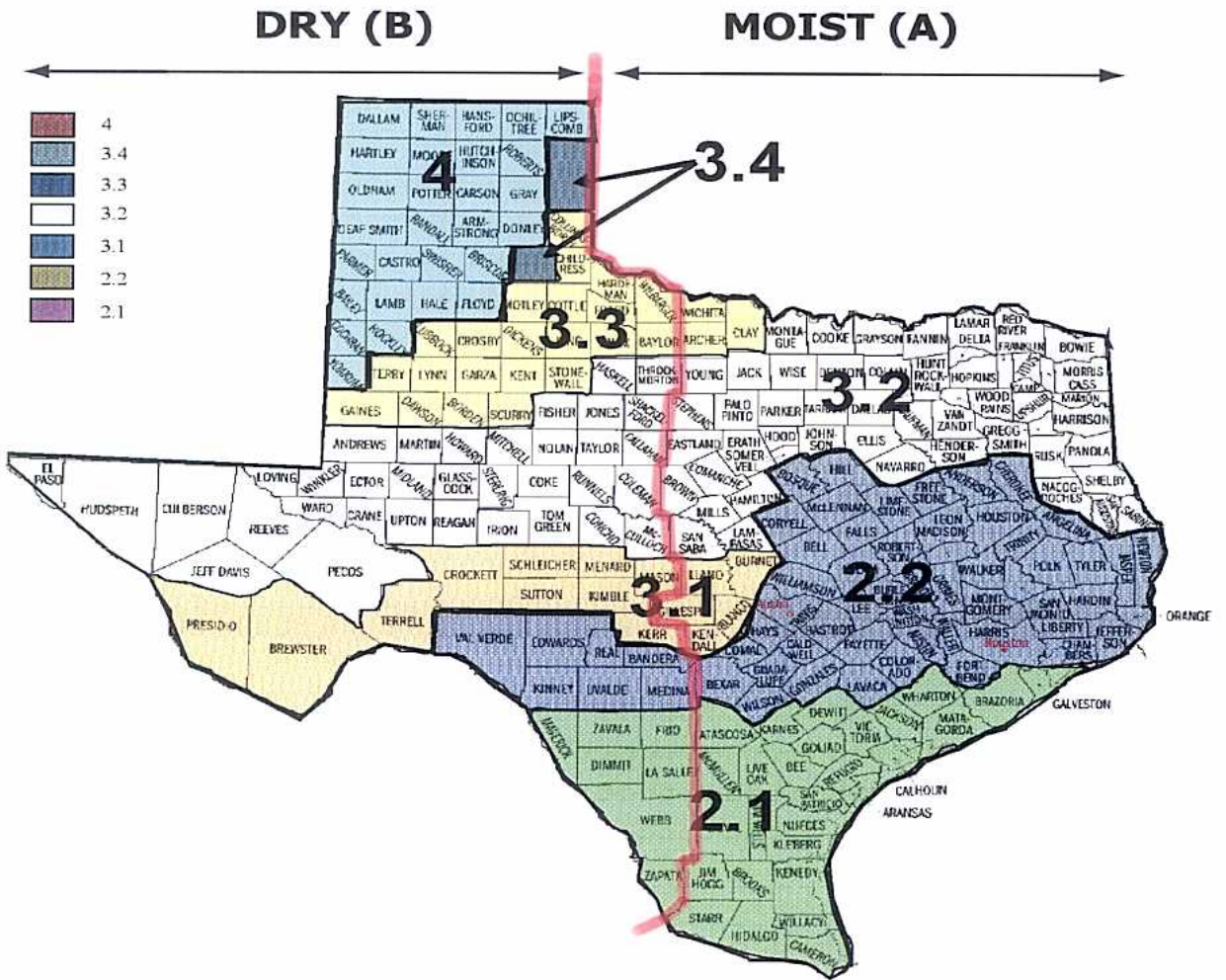


FIGURE N1101.2 TEXAS CLIMATE ZONES

Amend Table N1101.2.1 to read as follows:

TABLE N1101.2.1
CLIMATE ZONES AND SUB CLIMATE ZONES FOR TEXAS

Zone 2

ANDERSON	2.2	DE WITT	2.1	JIM HOGG	2.1	ORANGE	2.2
ANGELINA	2.2	DIMMIT	2.1	JIM WELLS	2.1	POLK	2.2
ARANSAS	2.1	DUVAL	2.1	KARNES	2.1	REAL	2.2
ATASCOSA	2.1	EDWARDS	2.2	KENEDY	2.1	REFUGIO	2.1

AUSTIN	2.2	FALLS	2.2	KINNEY	2.2	ROBERTSON	2.2
BANDERA	2.2	FAYETTE	2.2	KLEBERG	2.1	SAN JACINTO	2.2
BASTROP	2.2	FORT BEND	2.2	LA SALLE	2.1	SAN PATRICIO	2.1
BEE	2.1	FREESTONE	2.2	LAVACA	2.2	STARR	2.1
BELL	2.2	FRIO	2.1	LEE	2.2	TRAVIS	2.2
BEXAR	2.2	GALVESTON	2.1	LEON	2.2	TRINITY	2.2
BOSQUE	2.2	GOLIAD	2.1	LIBERTY	2.2	TYLER	2.2
BRAZORIA	2.1	GONZALES	2.2	LIMESTONE	2.2	UVALDE	2.2
BRAZOS	2.2	GRIMES	2.2	LIVE OAK	2.1	VAL VERDE	2.2
BROOKS	2.1	GUADALUPE	2.2	MADISON	2.2	VICTORIA	2.1
BURLESON	2.2	HARDIN	2.2	MATAGORDA	2.1	WALKER	2.2
CALDWELL	2.2	HARRIS	2.2	MAVERICK	2.1	WALLER	2.2
CALHOUN	2.1	HAYS	2.2	MCLENNAN	2.2	WASHINGTON	2.2
CAMERON	2.1	HIDALGO	2.1	MCMULLEN	2.1	WEBB	2.1
CHAMBERS	2.2	HILL	2.2	MEDINA	2.2	WHARTON	2.1
CHEROKEE	2.2	HOUSTON	2.2	MILAM	2.2	WILLACY	2.1
COLORADO	2.2	JACKSON	2.1	MONTGOMERY	2.2	WILLIAMSON	2.2
COMAL	2.2	JASPER	2.2	NEWTON	2.2	WILSON	2.2
CORYELL	2.2	JEFFERSON	2.2	NUECES	2.1	ZAPATA	2.1

Zone 3

ANDREWS	3.2	EL PASO	3.2	KERR	3.1	ROCKWALL	3.2
ARCHER	3.3	ELLIS	3.2	KIMBLE	3.1	RUNNELS	3.2
BAYLOR	3.3	ERATH	3.2	KING	3.3	RUSK	3.2
BLANCO	3.1	FANNIN	3.2	KNOX	3.3	SABINE	3.2
BORDEN	3.3	FISHER	3.2	LAMAR	3.2	SAN AUGUSTINE	3.2
BOWIE	3.2	FOARD	3.3	LAMPASAS	3.2	SAN SABA	3.2
BREWSTER	3.1	FRANKLIN	3.2	LLANO	3.1	SCHLEICHER	3.1
BROWN	3.2	GAINES	3.3	LOVING	3.2	SCURRY	3.3
BURNET	3.1	GARZA	3.3	LUBBOCK	3.3	SHACKELFORD	3.2
CALLAHAN	3.2	GILLESPIE	3.1	LYNN	3.3	SHELBY	3.2
CAMP	3.2	GLASSCOCK	3.2	MARION	3.2	SMITH	3.2
CASS	3.2	GRAYSON	3.2	MARTIN	3.2	SOMERVELL	3.2
CHILDRESS	3.3	GREGG	3.2	MASON	3.1	STEPHENS	3.2
CLAY	3.3	HALL	3.4	MCCULLOCH	3.2	STERLING	3.2
COKE	3.2	HAMILTON	3.2	MENARD	3.1	STONEWALL	3.3
COLEMAN	3.2	HARDEMAN	3.3	MIDLAND	3.2	SUTTON	3.1
COLLIN	3.2	HARRISON	3.2	MILLS	3.2	TARRANT	3.2
COLLINGSWORTH	3.3	HASKELL	3.2	MITCHELL	3.2	TAYLOR	3.2
COMANCHE	3.2	HEMPHILL	3.4	MONTAGUE	3.2	TERRELL	3.1
CONCHO	3.2	HENDERSON	3.2	MORRIS	3.2	TERRY	3.3
COOKE	3.2	HOOD	3.2	MOTLEY	3.3	THROCKMORTON	3.2
COTTLE	3.3	HOPKINS	3.2	NACOGDOCHES	3.2	TITUS	3.2
CRANE	3.2	HOWARD	3.2	NAVARRO	3.2	TOM GREEN	3.2
CROCKETT	3.1	HUDSPETH	3.2	NOLAN	3.2	UPSHUR	3.2
CROSBY	3.3	HUNT	3.2	PALO PINTO	3.2	UPTON	3.2
CULBERSON	3.2	IRION	3.2	PANOLA	3.2	VAN ZANDT	3.2
DALLAS	3.2	JACK	3.2	PARKER	3.2	WARD	3.2
DAWSON	3.3	JEFF DAVIS	3.2	PECOS	3.2	WHEELER	3.4
DELTA	3.2	JOHNSON	3.2	PRESIDIO	3.1	WICHITA	3.3
DENTON	3.2	JONES	3.2	RAINS	3.2	WILBARGER	3.3
DICKENS	3.3	KAUFMAN	3.2	REAGAN	3.2	WINKLER	3.2
EASTLAND	3.2	KENDALL	3.1	RED RIVER	3.2	WISE	3.2

ECTOR	3.2	KENT	3.3	REEVES	3.2	WOOD	3.2
						YOUNG	3.2

Zone 4

ARMSTRONG	DEAF SMITH	HOCKLEY	PARMER
BAILEY	DONLEY	HUTCHINSON	POTTER
BRISCOE	FLOYD	LAMB	RANDALL
CARSON	GRAY	LIPSCOMB	ROBERTS
CASTRO	HALE	MOORE	SHERMAN
COCHRAN	HANSFORD	OCHILTREE	SWISHER
DALLAM	HARTLEY	OLDHAM	YOAKUM

Add Table N1101.2.2 to read as follows:

**TABLE N1101.2.2
WARM HUMID COUNTIES FOR TEXAS**

ANDERSON	2.2	DUVAL	2.1	KAUFMAN	3.2	RED RIVER	3.2
ANGELINA	2.2	EDWARDS	2.2	KENDALL	3.1	REAL	2.2
ARANSAS	2.1	ELLIS	3.2	KENEDY	2.1	REFUGIO	2.1
ATASCOSA	2.1	ERATH	3.2	KINNEY	2.2	ROBERTSON	2.2
AUSTIN	2.2	FALLS	2.2	KLEBERG	2.1	ROCKWALL	3.2
BANDERA	2.2	FAYETTE	2.2	LA SALLE	2.1	RUSK	3.2
BASTROP	2.2	FORT BEND	2.2	LAMAR	3.2	SABINE	3.2
BEE	2.1	FRANKLIN	3.2	LAMPASAS	3.2	SAN AUGUSTINE	3.2
BELL	2.2	FREESTONE	2.2	LAVACA	2.2	SAN JACINTO	2.2
BEXAR	2.2	FRIO	2.1	LEE	2.2	SAN PATRICIO	2.1
BLANCO	3.1	GALVESTON	2.1	LEON	2.2	SAN SABA	3.2
BOSQUE	2.2	GILLESPIE	3.1	LLANO	3.1	SHELBY	3.2
BOWIE	3.2	GOLIAD	2.1	LIBERTY	2.2	SMITH	3.2
BRAZORIA	2.1	GONZALES	2.2	LIMESTONE	2.2	STARR	2.1
BROWN	3.2	GREGG	3.2	LIVE OAK	2.1	SOMMERVELL	3.2
BRAZOS	2.2	GRIMES	2.2	MADISON	2.2	TARRANT	3.2
BROOKS	2.1	GUADALUPE	2.2	MARION	3.2	TITUS	3.2
BURLESON	2.2	HAMILTON	3.2	MATAGORDA	2.1	TRAVIS	2.2
BURNET	3.1	HARDIN	2.2	MAVERICK	2.1	TRINITY	2.2
CALDWELL	2.2	HARRIS	2.2	MCLENNAN	2.2	TYLER	2.2
CALHOUN	2.1	HARRISON	3.2	MCMULLEN	2.1	UPSHUR	3.2
CAMERON	2.1	HAYS	2.2	MEDINA	2.2	UVALDE	2.2
CHAMBERS	2.2	HENDERSON	3.2	MILAM	2.2	VAL VERDE	2.2
CAMP	3.2	HIDALGO	2.1	MILLS	3.2	VAN ZANDT	3.2
CASS	3.2	HOOD	3.2	MONTGOMERY	2.2	VICTORIA	2.1
CHEROKEE	2.2	HOPKINS	3.2	MORRIS	3.2	WALKER	2.2
COLLIN	3.2	HILL	2.2	NACOGDOCHES	3.2	WALLER	2.2
COLORADO	2.2	HOUSTON	2.2	NAVARRO	3.2	WASHINGTON	2.2
COMAL	2.2	HUNT	3.2	NEWTON	2.2	WEBB	2.1
COMANCHE	3.2	JACKSON	2.1	NUECES	2.1	WHARTON	2.1
CORYELL	2.2	JASPER	2.2	ORANGE	2.2	WILLACY	2.1
DALLAS	3.2	JEFFERSON	2.2	PALO PINTO	3.2	WILLIAMSON	2.2
DELTA	3.2	JIM HOGG	2.1	PANOLA	3.2	WILSON	2.2
DENTON	3.2	JIM WELLS	2.1	PARKER	3.2	WOOD	3.2
DE WITT	2.1	JOHNSON	3.2	POLK	2.2	ZAPATA	2.1
DIMITT	2.1	KARNES	2.1	RAINS	3.2	ZAVALA	2.1

Amend Section N1102.1 Insulation and fenestration criteria. to read as follows:

1102.1 Insulation and fenestration criteria. The building thermal envelope shall meet the requirements of Table N1102.1 based on the climate zone specified in Table N1101.2.

When compliance using Table 1102.1 is demonstrated with a ceiling R-value of R30 or less, no more than 33% of the total projected ceiling area may be of cathedral type construction (ceiling joist/roof rafter assembly) and the required insulation R-value may be reduced to a minimum of R22 insulation when the remaining ceiling area insulation is increased to R38.

Amend Table N1102.1 to read as follows:

**TABLE N1102.1
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT (TEXAS)^a**

CLIMATE - SUB CLIMATE ZONE	MAX GLAZED AREA TO WALL AREA RATIO	MAX GLAZED FENESTRATION U-FACTOR	MAX SKYLIGHT U-FACTOR ^b	MAX GLAZED FENESTRATION SHGC	MIN CEILING R-VALUE	MIN WOOD FRAME WALL R-VALUE ^d	MASS WALL R-VALUE	MIN FLOOR R-VALUE	MIN BASEMENT WALL R-VALUE	MIN SLAB R-VALUE & DEPTH ^f	MIN CRAWL SPACE WALL R-VALUE
2.1	15	0.75	0.75	0.358	19	13	6	19	0	0	5
	20	0.70	0.75	0.38	30	13	6	19	0	0	5
	25	0.65	0.75	0.35	30	13	6	19	0	0	5
	30	0.54	0.75	0.35	38	13	6	19	0	0	5
2.2	15	0.65	0.75	0.38	30	13	6	19	5	0	6
	20	0.65	0.75	0.38	38	13	6	19	6	0	6
	25	0.54	0.75	0.35	38	13	6	19	8	0	10
	30	0.46	0.75	0.35	38	16, 13 + 3.7 ^e	6	19	8	0	10
3.1	15	0.65	0.65	0.40	30	13	6	19	5	0	6
	20	0.55	0.65	0.40	38	13	6	19	5	0	6
	25	0.54	0.65	0.35	38	13	6	19	8	0	10
	30	0.46	0.65	0.35	38	16, 13 + 3.7 ^e	7	19	8	0	10
3.2	15	0.60	0.65	0.40	30	13	6	19	6	0	7
	20	0.54	0.65	0.40	38	13	6	19	6	0	7
	25	0.51	0.65	0.40	38	16, 13 + 3.7 ^e	7	19	6	0	7
	30	0.46	0.65	0.38	38	16, 13 + 3.7 ^e	7	19	6	0	7
3.3	15	0.51	0.65	0.40	30	13	6	19	7	0	8
	20	0.45	0.65	0.40	38	13	6	19	7	0	9
	25	0.40	0.65	0.40	38	16, 13 + 3.7 ^e	7	19	7	0	9
	30	0.40	0.65	0.40	38	19, 13 + 8.1 ^e	9	19	7	0	9
3.4	15	0.45	0.60	NR	38	13	6	19	8	5, 2 ft	11

	20	0.37	0.60	NR	38	13	6	19	8	6, 2 ft	13
	25	0.37	0.60	NR	38	19, 13 + 8.1 ^c	9	19	8	6, 2 ft	13
	30	0.37	0.60	NR	38	19, 13 + 8.1 ^c	9	30	8	6, 2 ft	13
4	15	0.45	0.60	NR	38	13	8	19	8	5, 2 ft	11
	20	0.37	0.60	NR	38	13	8	19	9	6, 2 ft	13
	25	0.37	0.60	NR	38	19, 13 + 8.1 ^c	10	19	9	6, 2 ft	13
	30	0.37	0.60	NR	38	19, 13 + 8.1 ^c	10	30	9	6, 2 ft	13

For SI: 1 foot = 304.8 mm.

- R*-values are minimums. *U*-factors and SHGC are maximums. R-19 shall be permitted to be compressed into a 2 x 6 cavity.
- The fenestration *U*-factor column excludes skylights. The SHGC column applies to all glazed fenestration.
- R-5 shall be added to the required slab edge *R*-values for heated slabs.
- The total *R*-value may be achieved with a combination of cavity insulation and insulating sheathing that covers 100% of the exterior wall.
- The wall insulation may be the sum of the two values where the first value is the cavity insulation and the second value is insulating sheathing. The combination of cavity insulation plus insulating sheathing may be used where structural sheathing covers not more than 25% of the exterior wall area and insulating sheathing is not required where structural sheathing is used. If structural sheathing covers more than 25% of exterior wall area then the wall insulation requirement may only be satisfied with the single insulation value.

Amend Table N1102.1.2 to read as follows:

**TABLE N1102.1.2
EQUIVALENT U-FACTORS^a**

CLIMATE - SUB CLIMATE ZONE	MAX GLAZED AREA TO WALL AREA RATIO	MAX GLAZED FENESTRATION U-FACTOR	MAX SKYLIGHT U-FACTOR	MAX CEILING U-FACTOR	MAX WOOD FRAME WALL U-FACTOR	MAX MASS WALL U-FACTOR	MAX FLOOR U-FACTOR	MAX BASEMENT WALL U-FACTOR	MAX CRAWL SPACE WALL U-FACTOR
2.1	15	0.75	0.75	0.039	0.082	0.124	0.047	0.360	0.136
	20	0.70	0.75	0.034	0.082	0.124	0.047	0.360	0.136
	25	0.65	0.75	0.034	0.082	0.124	0.047	0.360	0.136
	30	0.54	0.75	0.030	0.082	0.124	0.047	0.360	0.136
2.2	15	0.65	0.75	0.034	0.082	0.124	0.047	0.210	0.100
	20	0.65	0.75	0.030	0.082	0.124	0.047	0.210	0.100
	25	0.54	0.75	0.030	0.082	0.124	0.047	0.119	0.065
	30	0.46	0.75	0.030	0.071	0.124	0.047	0.119	0.065
3.1	15	0.65	0.65	0.034	0.082	0.124	0.047	0.210	0.100
	20	0.55	0.65	0.030	0.082	0.124	0.047	0.210	0.100
	25	0.54	0.65	0.030	0.082	0.124	0.047	0.119	0.065
	30	0.46	0.65	0.030	0.071	0.112	0.047	0.119	0.065
3.2	15	0.60	0.65	0.034	0.082	0.124	0.047	0.179	0.075
	20	0.54	0.65	0.030	0.082	0.124	0.047	0.179	0.075
	25	0.51	0.65	0.030	0.071	0.112	0.047	0.179	0.075
	30	0.46	0.65	0.030	0.071	0.112	0.047	0.179	0.075
3.3	15	0.51	0.65	0.034	0.082	0.124	0.047	0.149	0.061
	20	0.45	0.65	0.030	0.082	0.124	0.047	0.149	0.058
	25	0.40	0.65	0.030	0.075	0.112	0.047	0.149	0.058
	30	0.40	0.65	0.030	0.061	0.094	0.047	0.149	0.058
3.4	15	0.45	0.60	0.030	0.082	0.124	0.047	0.119	0.083
	20	0.37	0.60	0.030	0.082	0.124	0.047	0.119	0.152

	25	0.37	0.60	0.030	0.061	0.094	0.047	0.119	0.152
	30	0.37	0.60	0.030	0.061	0.094	0.033	0.119	0.152
4	15	0.45	0.60	0.030	0.082	0.102	0.047	0.119	0.083
	20	0.37	0.60	0.030	0.082	0.102	0.047	0.089	0.152
	25	0.37	0.60	0.030	0.061	0.087	0.047	0.089	0.152
	30	0.37	0.60	0.030	0.061	0.087	0.033	0.089	0.152

a. Nonfenestration *U*-factors shall be obtained from measurement, calculation or an approved source.

Amend Section N1102.3.2 Glazed fenestration SHGC. to read as follows:

N1102.3.2 Glazed fenestration SHGC. An area-weighted average of fenestration products more than 50 percent glazed shall be permitted to satisfy the solar heat gain coefficient (SHGC) requirements. In sub climate zones 2.1, 2.2, 3.1, 3.2 and 3.3 the maximum area-weighted average and the maximum SHGC shall not exceed 0.40.

Add Section N1102.2.11. Insulation installed in walls. to read as follows:

N1102.2.11. Insulation installed in walls. Insulation batts installed in walls shall be totally surrounded by an enclosure on all sides consisting of framing lumber, gypsum, sheathing, wood structural panel sheathing or other equivalent material approved by the building official.

Amend Section N1102.3.3 Glazed fenestration exemption. to read as follows:

N1102.3.3 Glazed fenestration exemption. Up to 1 percent of glazed fenestration per dwelling unit shall be permitted to be exempt from *U*-factor and SHGC requirements in Section 402.1.

Amend Section N1102.3.5 Thermally isolated sunroom *U*-factor. to read as follows:

N1102.3.5 Thermally isolated sunroom. New windows and doors separating the sunroom from conditioned space shall meet the building envelope requirements.

Amend Section N1102.3.6 Replacement fenestration. to read as follows:

N1102.3.6 Replacement fenestration. Where some or all of an existing fenestration unit is replaced with a new fenestration product, including sash and glazing, the replacement fenestration unit shall meet the applicable requirements for U-factor in Table N1102.3.7.

Exceptions:

1. Replacement skylights shall have a maximum U-factor of 0.60 when installed in all sub climate zones except for 2.1.
2. For buildings constructed in conformance with an energy code as required by State of Texas Senate Bill Number 5, 77th Legislature, replacement fenestration units may comply with the original construction documents or applicable U-factor in N1102.1.

Add Section N1102.3.7 Prescriptive path for additions. to read as follows:

N1102.3.7 Prescriptive path for additions. As an alternative to demonstrating compliance, additions with a conditioned floor area less than 500 square feet (46.5 mm) to existing single-family residential buildings and structures shall meet the prescriptive envelope criteria in Table N1102.3.7 for the sub climate zone applicable to the location. The U-factor of each individual fenestration product (windows, door and skylights) shall be used to calculate and area-weighted average fenestration product U-factor for the addition, which shall not exceed the applicable listed values in Table N1102.3.7. For additions, other than sunroom additions, the total area of the fenestration products shall not exceed 40 percent of the gross wall and roof area of the addition. The R-values for opaque thermal envelope component shall be equal to or greater than the applicable listed values in Table N1102.3.7.

Conditioned sunroom additions shall maintain thermal isolation; shall not be used as kitchens or sleeping rooms.

In sub climate zones 2.1, 2.2, 3.1, 3.2, and 3.3 the combined

solar heat gain coefficient (the area weighted average) of all glazed fenestration products used in additions and as replacement windows in accordance with this section shall not exceed 0.40.

Add Table N1102.3.7 PRESCRIPTIVE ENVELOPE COMPONENT CRITERIA ADDITIONS TO AND REPLACEMENT WINDOWS FOR EXISTING DETACHED ONE-AND TWO-FAMILY DWELLINGS to read as follows:

**Table N1102.3.7
PRESCRIPTIVE ENVELOPE COMPONENT CRITERIA
ADDITIONS TO AND REPLACEMENT WINDOWS FOR EXISTING DETACHED
ONE- AND TWO-FAMILY DWELLINGS^d**

SUB CLIMATE ZONES	MAXIMUM	MINIMUM					
	Fenestration U-factor	Ceiling R-value ^{a, e}	Wall R-value ^e	Floor R-value	Basement wall R-value ^b	Slab perimeter R-value	Crawl space wall R-value
2.1	0.75	R-26	R-13	R-11	R-5	R-0	R-5
2.2, 3.1, 3.2, 3.3 and 3.4	0.50	R-30	R-13	R-19	R-8	R-0	R-10
4	0.50	R-38	R-13	R-21	R-10	R-0	R-19

- a. "Ceiling R-value" shall be required for flat or inclined (cathedral) ceilings. Floors over outside air shall meet "Ceiling R-value" requirements.
- b. Basement wall insulation to be installed in accordance with Section N1102.2.6.
- c. "Crawl space wall R-value" shall apply to unventilated crawl spaces only. Crawl space insulation shall be installed in accordance with Section N1102.2.8.
- d. Sunroom additions shall be required to have a maximum fenestration U-factor of 0.5. in all sub climate zones except sub climate zone 2.1. In all sub climate zones, the minimum ceiling R-value for sunroom additions shall be R-19 and the minimum wall R-value shall be R-13.

SECTION 2. All other ordinances and parts of ordinances in conflict with this ordinance shall be, and the same is hereby repealed, but the repeal of such ordinances or parts of ordinances shall not affect any right, property or claim which was or is vested in the Town of Addison, Texas, or any act done, or right accruing or accrued, or established, or any suit, action or proceeding had or commenced before the time when this ordinance shall take effect. Nor shall said repeals, amendments or changes effect any offense committed, or any penalty or forfeiture incurred, or any suit or prosecution pending at the time when this ordinance shall take effect under any of the ordinances or sections thereof so repealed.

SECTION 3. In the event that any section, paragraph, subdivision, clause, phrase, or provision of this ordinance or the International Residential Code, 2006 Edition, or revisions thereof, adopted herein shall be adjudged invalid or held unconstitutional, the same shall not affect the validity of this ordinance or of the International Residential Code, 2006 Edition, or revisions thereof as a whole or any part of provision other than the part so decided to be invalid or unconstitutional.

SECTION 4. Any person, firm or corporation violating any provision of this ordinance shall be deemed guilty of a misdemeanor and upon conviction thereof, shall be fined an amount not to exceed five hundred dollars (\$500.00), and each and every day that the prohibited condition remains shall constitute a separate offense.

SECTION 5. That this ordinance shall become effective from and after its adoption.

PASSED AND APPROVED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS, this the 22nd day of April, 2008.


MAYOR-Joe Chow

ATTEST:


CITY SECRETARY-Mario Canizares

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