

ORDINANCE NO. 2002 - 9

AN ORDINANCE AMENDING ARTICLE IV OF CHAPTER 5 OF THE VICTORIA CITY CODE TO ADOPT THE "2000 INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS," PUBLISHED BY THE INTERNATIONAL CODE COUNCIL, AS AMENDED HEREIN, PROVIDING A PENALTY NOT TO EXCEED \$2,000.00 UPON CONVICTION; PROVIDING FOR ENFORCEMENT; PROVIDING FOR SEVERABILITY; PROVIDING A SAVINGS CLAUSE; PROVIDING FOR CODIFICATION; PROVIDING FOR PUBLICATION; AND DECLARING AN EFFECTIVE DATE.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF VICTORIA, TEXAS:

1.

Article IV of Chapter 5 of the Victoria City Code is amended to read as follows:

ARTICLE IV. INTERNATIONAL RESIDENTIAL CODE

Sec. 5-50. Adoption of published code and controlling law.

(a) *Adoption of Code.* The City Council hereby adopts, for the purpose of establishing administrative provisions, rules and regulations specific to one and two family dwelling construction, alteration, enlargement, repair, equipment, use, occupancy, maintenance, location, appurtenances, and accessory structures, that certain building code known as the 2000 International Residential Code for One and Two Family Dwellings, published by the International Code Council, save and except such portions as are hereinafter deleted, modified, or amended. Copies of the aforesaid code shall be maintained on file with the City Secretary and the Inspection and Maintenance Department. The aforesaid code is hereby adopted and incorporated as fully as if set out at length herein, and from the date on which this section shall take effect, the provisions thereof shall be controlling in the construction of all one and two family dwellings and other structures therein regulated within the corporate limits of the city.

(b) *Controlling Law.* Compliance with the provisions of the International Residential Code in the construction or renovation of structures to which said code is applicable shall constitute a defense to a claim of noncompliance with a provision of the building code adopted at Section 5-60 of the City Code, the mechanical code adopted at Section 5-70 of the City Code, the plumbing code adopted at Section 5-80 of the City Code, or the electrical code adopted at Section 5-100 of the City Code. Compliance with the provisions of the building code adopted at Section 5-60 of the City Code, the mechanical code adopted at Section 5-70 of the City Code, the plumbing code adopted at Section 5-80 of the City Code or the electrical code adopted at Section 5-100 of the City Code shall constitute a defense to a claim of noncompliance with a provision other than Chapter 11 of the International Residential Code.

Sec. 5-51. Definition.

Wherever the term "building official" is used in the International Residential Code, it shall be held to mean the director, as defined in Section 2-80 of the Victoria City Code.

Sec. 5-52. Deletions to published code.

The following portions of the International Residential code are hereby deleted:

- (1) *Section R311.2 Type Of Lock Or Latch.*
- (2) *Section R3505.8.2 Service cable, service head or gooseneck.*

Sec. 5-53. Amendments to published code.

The 2000 International Residential Code, as adopted by the City Council of the City of Victoria, is amended as follows:

- (1) *Section R101.3 Purpose* is amended to read "The purpose of this code is to provide minimum requirements to safeguard life or limb, health and public welfare, including affordability."
- (2) *Section R112 Board of Appeals* is deleted in its entirety and replaced with the following:

"Section R112 Right of Appeal and Provisions Inconsistent with the International Residential Code"

"R112.1 Right of Appeal. The Building, Electrical, Mechanical and Plumbing Boards of Adjustments and Appeals shall hear appeals and requests for variances to the provisions of this code with respect to the trades represented by the provision being appealed or varied. Said appeals and requests for variances shall be heard and recommended in accordance with Sections 2-94 and 2-95 of the City Code."

(3) *Chapter 2 Definitions* is amended to add the following definition: "DECORATIVE COATING. A single coat of plaster, cementitious or other approved material applied to a concrete or masonry surface for cosmetic purposes only."

(4) *Table R301.2(1) Climatic and geographic design criteria* is amended by adding the following entries in the appropriate columns:

Roof Snow Load: Not Applicable
Wind Speed: 85 mph / 105 (fastest mile /3 second gust) Exposure B
Seismic Design Category 0
Subject To Damage From
Weathering: Negligible
Frost Line Depth: No - 12"
Subject To Damage From
Termite: Yes
Decay: Slight To Moderate
Winter Design Temperature
For Heating Facilities: None Required
Flood Hazard July 21, 1999 (Community-Panel # 480638 0005G
August 4, 1987 (Community-Panel # 480638 0010E
August 4, 1987 (Community-Panel # 480638 0015E

(5) *Section R302.4 Exterior walls on zero lot lines* is added to read as follows:

"The provisions of Section 302.1 shall not apply if the approved and recorded final plat of the subdivision provides an interior side yard setback of a minimum of nine feet on one side of the lot, and the setback contains an easement at least six feet wide running along the length of the side of the lot that prohibits the construction of combustible building material in said easement."

(6) *R303.4.1 Light Activation* is amended to read: "The control for activation of the required interior stairway lighting shall be accessible at the top and bottom of each stairway without traversing any steps. The illumination of exterior stairways shall be controlled from inside the dwelling unit.

Exceptions: 1) Lights that are continuously illuminated or automatically controlled.
2) Interior stairways consisting of less than six steps."

(7) *R308.4 Hazardous Locations, Exception 5* is amended to read: "Glazing in Section R308.4, Item 6 and Item 9, when a protective bar is installed on the accessible side(s) of the glazing 36 inches by 2 inches (914 mm by 51 mm) above the floor. The bar shall be capable of withstanding a horizontal load of 50 pounds per linear foot (74.5 kg/m) without contacting the glass and be a minimum of 1.5 inches (38 mm) in height."

(8) *R314.2 Treads and Risers* is amended to read: "The maximum riser height shall be 8 inches (203 mm) and the minimum tread depth shall be 9 inches (229mm).

(9) *R314.2.1 Profile, Exception 1* is amended to read: "A nosing is not required where the tread depth is a minimum of 10 inches."

(10) *R315.1 Handrails* is amended to read as follows: "Handrails shall be provided on at least one side of stairways consisting of three or more risers. Handrails shall have a minimum height of 34 inches (864mm) and a maximum height of 38 inches (965mm) measured vertically from the nosing of the treads. All required handrails shall be continuous the full length of the stairs from a point directly above the top riser to a point directly above the lowest riser of the stairway. The ends of the handrail shall be returned into a wall or shall terminate in newel posts or safety terminals. A minimum clear space of 1-1/2 inches (38 mm) shall be provided between the wall and the handrail."

- (11) *R321.3.2 Membrane Penetrations, Exception 2* is amended to read: "Membrane penetrations for listed electrical outlet boxes of any materials are permitted provided such boxes have been tested for use in fire resistance-rated assemblies and are installed in accordance with the instructions included in the listing."
- (12) Add new section "*R502.3.3 Floor Cantilevers*" to read: "Floor cantilever spans shall not exceed the nominal depth of the wood floor joist. Floor cantilevers constructed in accordance with Table R502.3.3 shall be permitted when supporting a light-frame bearing wall and roof only. The ratio of backspan to cantilever span shall be at least 3 to 1."
- (13) Add new table "*Table R502.3.3 Cantilever Spans For Floor Joists Supporting Light-Frame Exterior Bearing Wall And Roof Only*" (see attached table).
- (14) *R602.8 Fireblocking required, subsection(1)* is amended to read: "In concealed spaces of stud walls and partitions, including furred spaces, at the ceiling and floor level. Batts or blankets of mineral or glass fiber or other approved non-rigid materials shall be allowed as fireblocking in walls constructed using parallel rows of studs or staggered studs."
- (15) *R703.6.2 Plaster* is amended to add the following sentence at the end of first paragraph: "Decorative coatings applied to a concrete or masonry surface shall be installed in accordance with the manufacturer's installation instructions and are not required to comply with Table 702.1(1)."
- (16) *P3111.2 Installation* is amended to read: "The only vertical pipe of a combination drain and vent system shall be the connection between the fixture drain of a sink, lavatory, or standpipe, and the horizontal combination waste and vent pipe. The maximum vertical distance shall be 8 feet (2438 mm)."
- (17) *Section E3301.1 Applicability* is amended to read: "The provisions of Chapters 33 through 42 shall establish the general scope of the electrical system and equipment requirements of this code. Chapters 33 through 42 cover those wiring methods and materials most commonly encountered in the construction of one- and two-family dwellings and structures regulated by this code. Other wiring methods, materials and subject matter covered in the most currently adopted version of the National Electrical Code (NFPA 70) as amended in Chapter 5 Buildings, Construction and Related Activities, Article IX Electrical Code, Victoria City Code, are also allowed by this code."
- (18) *Section E3301.2 Scope* is amended to read: "Chapters 33 through 42 shall cover the installation of electrical systems, equipment and components indoors and outdoors that are within the scope of this code, including services, power distribution systems, fixtures, appliances, devices and appurtenances. Services within the scope of this code shall be limited to 120/240 volt, 0- to 400-ampere, single-phase systems. These chapters specifically cover the equipment, fixtures, appliances, wiring methods and materials that are most commonly used in the construction or alteration of one- and two-family dwellings and accessory structures regulated by this code. The omission from these chapters of any material or method of construction provided for in the referenced standard NFPA 70 shall not be construed as prohibiting the use of such material or method of construction. Electrical systems, equipment or components not specifically covered in these chapters shall comply with the applicable provisions of the most currently adopted version of the National Electrical Code (NFPA 70), as amended in Chapter 5 Buildings, Construction and Related Activities, Article IX Electrical Code, Victoria City Code."
- (19) *Section E3306.3 Minimum size of conductors* is amended to read: "The minimum size of conductors for feeders and branch circuits shall be No. 12 copper and No. 6 aluminum. The minimum size of service conductors shall be as specified in Chapter 35."
- (20) *Section E3306.8 Aluminum and copper connections* is amended by adding the following sentence: "If aluminum conductors are installed, they must be terminated according to the manufacturer's recommendations and have a coating of oxidation inhibitor applied."
- (21) *Section E3501.1 Scope* is amended by adding the following sentence: "Meter installation and service requirements of local electric utilities may be more stringent than described herein. It is recommended that requirements be verified with the appropriate electric utility before proceeding with service installation work."
- (22) *Section E3501.6.2 Service disconnect location* is amended to read: "The service disconnecting means shall be installed at a readily accessible location outside of a building nearest the point of entrance of the service conductors. Each occupant shall have access to the disconnect serving the dwelling unit in which they reside."

(23) *Section E3503.2 Ungrounded service conductors for accessory buildings and structures, Exception #3* is amended to read: "For limited loads of a single branch circuit, the minimum size shall be No. 12 copper or No. 6 aluminum or copper-clad aluminum, but in no case smaller than the branch-circuit conductors."

(24) *Section E3504.2.2 Vertical clearance from grade* is amended by adding item 4 to read: "Where electric utility service installation requirements are more restrictive than those shown in items 1, 2, or 3 of this section, the more restrictive requirement for service drop conductor height shall apply."

(25) *Section E3504.5 Service masts as supports* is amended to read: "Where a service mast is used for the support of service drop conductors, it shall be of adequate strength or be supported by braces or guys to withstand the strain imposed by the service drop. Only raceway-type service masts shall be used, all raceway fittings shall be identified for use with service masts. Where a service mast extends through the roof, such mast shall be flashed so as to make the roof penetration watertight. In addition to the aforementioned provisions, a minimum of two (2) inch rigid conduit shall be used for service mast, which is the sole support of the service entrance conductors. Only power service drop conductors shall be permitted to be attached to a service mast."

(26) *Section E3505.6 Mounting supports* is amended to read: "Cables shall be supported by straps or other approved means within 12 inches (305 mm) of every service head or connection to a raceway or enclosure and at intervals not exceeding 30 inches (762 mm)."

(27) *Section E3505.8.3 Service head location* is amended to read: "Service heads shall be located above the point of attachment of the service-drop conductors to the building or other structure.

Exception: Where it is impracticable to locate the service head above the point of attachment, the service head location shall not be more than 24 inches (610 mm) from the point of attachment."

(28) *Section E3508.1 Grounding electrode system* is amended by adding the following sentence: "All new or rebuilt building services shall have installed a driven ground rod as described in Section E3508.2.1.2."

(29) *Section E3511.1 Methods of grounding conductor connection to electrodes* is amended by adding item 5 to read: "All new or rebuilt services shall have a listed acorn type set screw clamp of cast bronze or brass used to clamp the grounding electrode conductor to the grounding electrode (ground rod) as required by Sections E3508.1 E3508.2.1.2."

(30) *Table E3602.13 Branch-circuit requirements - summary* is amended by deleting the entire 15 amp circuit rating column.

(31) *Section E3603.2 Kitchen and dining area receptacles* is amended by adding the following sentence: "The branch circuits serving kitchen countertop receptacles shall comply with the maximum loads specified in Section E3602, but in no case shall such circuits have more than three (3) duplex receptacles per circuit."

(32) *Section E3603.5 Number of branch circuits* is amended by adding the following sentence: "In addition to the limitations contained herein, no general purpose branch circuit shall have more than ten (10) outlets per circuit."

(33) *Section E3604.2 Minimum feeder conductor size* is amended to read: "The size of feeder conductors shall not be less than No. 10 copper or No. 6 aluminum where the load supplied consists of any of the following number and types of circuits: (1) two or more two-wire branch circuits supplied by a two-wire feeder; (2) three or more two-wire branch circuits supplied by a three-wire feeder; or (3) two or more three-wire branch circuits supplied by a three-wire feeder."

(34) *Table E3701.4 Allowable Applications For Wiring Methods* is amended by adding to the Services line a footnote J to read: "See Chapter 35 for specific service wiring method limitations."

2.

Any person violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor and upon conviction thereof may be fined any sum not to exceed \$2,000.00 as provided in Section 1 -8 of the City Code.

3.

In addition to any other remedy provided by law, the City and its officers shall have the right to enjoin any violation of this ordinance by injunction issued by a court of competent jurisdiction.

4.

All ordinances or parts of ordinances in conflict with this ordinance are repealed to the extent of such conflict.

5.

If any provision of this ordinance, or the application thereof to any person or circumstances, shall be held invalid or unconstitutional by a Court of competent jurisdiction, such invalidity shall not affect the other provisions, or application thereof, of this ordinance which can be given effect without the invalid provision or application, and to this end the provisions of this ordinance are declared to be severable.

6.

The Code of the City of Victoria, Texas, as amended, shall remain in full force and effect, save and except as amended by this ordinance.

7.

It is the intention of the City Council that this ordinance shall become a part of the Code of the City of Victoria, Texas, and it may be renumbered and codified therein accordingly.

8.

The City Secretary shall publish the caption or a descriptive title of this ordinance one time within 10 days after passage of the ordinance in a newspaper of general circulation in the City of Victoria in accordance with Article II, Section 10 of the City Charter.

9.

The provisions of this ordinance shall become effective on July 1, 2002.

PASSED FIRST READING, this the 16th day of April, 2002.

AYES: 7

NAYS: 0

ABSTENTIONS:

PASSED SECOND READING, this the 7 day of MAY, 2002.

AYES: 7

NAYS: 0

ABSTENTIONS:

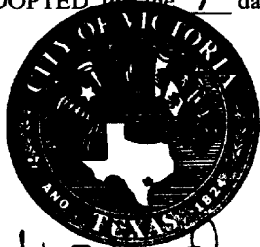
PASSED THIRD READING, this the 7 day of MAY, 2002.

AYES: 7

NAYS: 0

ABSTENTIONS:

APPROVED AND ADOPTED, this the 7 day of MAY, 2002.



ATTEST:

Scarlet Swoboda
SCARLET SWOBODA, City Secretary

Gary Middleton
GARY MIDDLETON, Mayor of the
City of Victoria, Texas

APPROVED AS TO LEGAL FORM:

David Atmar Smith
DAVID ATMAR SMITH, City Attorney

Distribution: Legal Department
Building and Environmental Inspection Department
The Victoria Advocate

Copies Sent: MAY 9, 2002

**TABLE R502.3.3
CANTILEVER SPANS FOR FLOOR JOISTS
SUPPORTING LIGHT-FRAME EXTERIOR BEARING WALL AND ROOF ONLY ^{a, b, c, f, g, h}
(Floor Live Load ≤ 40 psf, Roof Live Load ≤ 20 psf)**

Member & Spacing	Maximum Cantilever Span (Uplift Force at Backspan Support in Lbs.) ^{d, e}											
	Ground Snow Load											
	≤ 20 psf			30 psf			50 psf			70 psf		
	Roof Width			Roof Width			Roof Width			Roof Width		
	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.
2 x 8 @ 12"	20" (177)	15" (227)		18" (209)								
2 x 10 @ 16"	29" (228)	21" (297)	16" (364)	26" (271)	18" (354)		20" (375)					
2 x 10 @ 12"	36" (166)	26" (219)	20" (270)	34" (198)	22" (263)	16" (324)	26" (277)			19" (356)		
2 x 12 @ 16"		32" (287)	25" (356)	36" (263)	29" (345)	21" (428)	29" (367)	20" (484)		23" (471)		
2 x 12 @ 12"		42" (209)	31" (263)		37" (253)	27" (317)	36" (271)	27" (358)	17" (447)	31" (348)	19" (462)	
2 x 12 @ 8"		48" (136)	45" (169)		48" (164)	38" (206)		40" (233)	26" (294)	36" (230)	29" (304)	18" (379)

For SI: 1 in. = 25.4 mm, 1 psf = 0.0479 kN/m²

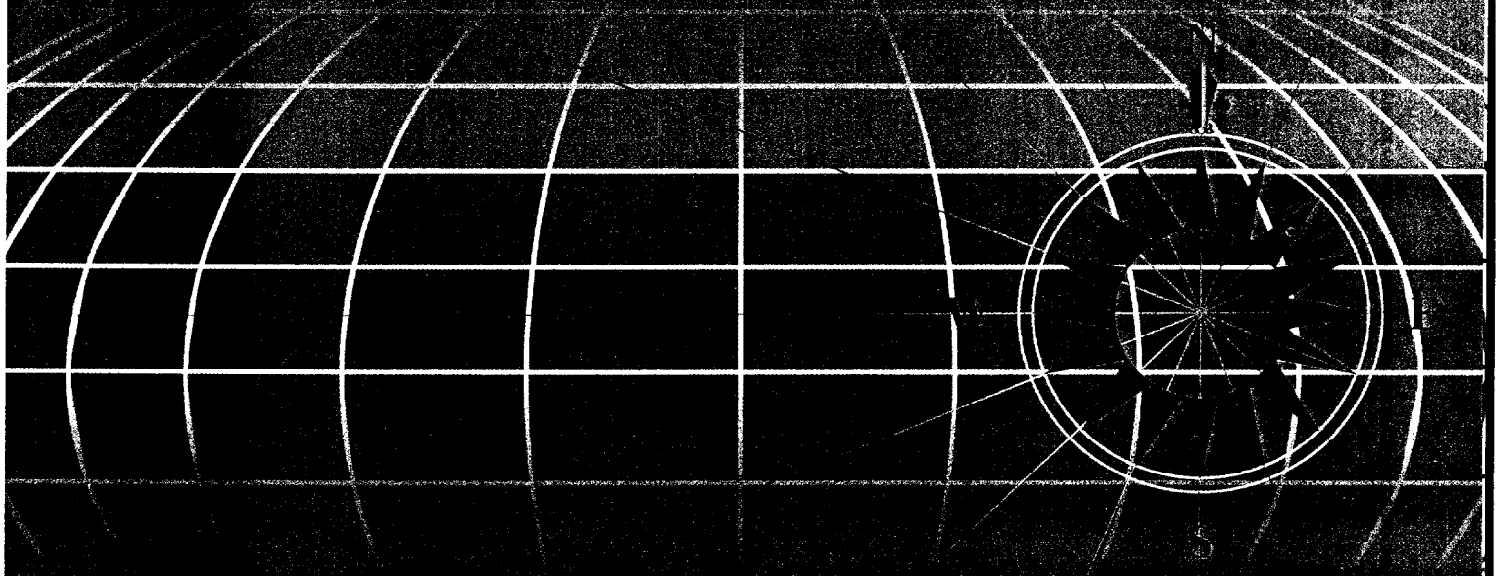
Notes:

- Tabulated values are for clear-span roof supported solely by exterior bearing walls.
- Spans are based on No. 2 Grade lumber of douglas fir-larch, hem-fir, southern pine, and spruce-pine-fir for repetitive (3 or more) members.
- Ratio of backspan to cantilever span shall be at least 3:1.
- Connections capable of resisting the indicated uplift force shall be provided at the backspan support.
- Uplift force is for a backspan to cantilever span ratio of 3:1. Tabulated uplift values are permitted to be reduced by multiplying by a factor equal to 3 divided by the actual backspan ratio provided (3/backspan ratio).
- See Section R301.2.2.7.1 for additional limitations on cantilevered floor joists for detached one- and two-family dwellings in Seismic Design Categories D1 and D2 and townhouses in Seismic Design Categories C, D1, and D2.
- A full-depth rim joist shall be provided at the cantilevered end of the joists. Solid blocking shall be provided at the cantilever support.
- Linear interpolation shall be permitted for building widths and ground snow loads other than shown.



International Residential CodeTM

for One- and Two-Family Dwellings



2000