

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 2015 ~~2015~~ 2021 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 ~~Development~~ city's ~~Services~~ department ~~Department~~ of development services. 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 Existing Building Code adopted at Section 5-64 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 Existing Building Code adopted at Section 5-64 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 of the International Residential Code other than Chapter 11 of the International Residential Code.

(Ord. No. 97-6, § 1, 3-18-97; Ord. No. 2002-9, § 1, 5-7-02; Ord. No. 2007-21, § 1, 10-2-07; Ord. No. 2009-9, § 3, 5-5-09; Ord. No. 2011-22, § 1, 8-2-11; Ord. No. 2015-33, § 1, 12-15-15; Ord. No. 2021-146, § 1(Att.), 8-3-21)

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.

(Ord. No. 97-6, § 1, 3-18-97; Ord. No. 2002-9, § 1, 5-7-02; Ord. No. 2011-22, § 1, 8-2-11)

Sec. 5-52. - Deletions to published code.

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

Section R103 Department of Building Safety

Section R105 Permits

Section R106 Construction Documents

Section R107 Temporary Structures and uses

Section R108 Fees

Section R112 Board of Appeals

Section R312.2.1 Window ~~sills~~ Opening Height

Section R313 Automatic Fire Sprinkler Systems

Section R322 Flood Resistant Construction

Section R325 Mezzanines

Section R404.1.1 Design required

Section ~~R507~~ 507.9.2-4 Deck ~~Lateral~~ lateral load connection ~~Connection~~

Section R609 Exterior Windows and Doors

Section N1102.2 Specific insulation requirements

Section N1102.4.6 Electrical and communication outlet boxes (air sealed boxes)

Section N1103.3.3 Exception 3

Section N1104.2 Interior Lighting Controls

Section P2723 Macerating Toilet Systems

Section P2904 Dwelling Unit Fire Sprinkler Systems

Section E3605.9.2 Service Cable, service head or gooseneck.

(Ord. No. 97-6, § 1, 3-18-97; Ord. No. 2002-9, § 1, 5-7-02; Ord. No. 2011-22, § 1, 8-2-11; Ord. No. 2015-33, § 1, 12-15-15; Ord. No. 2021-146, § 1(Att.), 8-3-21)

Sec. 5-53. - Amendments to published code.

The ~~2015~~ 2021 International Residential Code, as adopted by the City Council of the City of Victoria, is amended as follows:

(1)

Section R101.2 Scope. Exception shall be amended to read; The following shall be permitted to be constructed in accordance with this code.

(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 Board 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."

(23) 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."

(34) Chapter 2 Definitions is amended to add the following definition: Projection Factor. The ratio of the horizontal depth of an 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.

(4) Chapter 2 Definitions. Ambulatory Care Facility shall be amended to read: Buildings or portions thereof used to provide medical, surgical, psychiatric, nursing or similar care on a less than 24-hour basis to persons who are rendered incapable of

self-preservation by the services provided. This group may include but not limited to the following: dialysis centers, sedation dentistry, surgery center, colonic centers, psychiatric centers.

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

Ground Snow Load: Not Applicable

Wind Speed: 135 Ultimate Design Wind Speed, 85 mph/105 (fastest mile/3 second gust) Exposure B

Topographic effect: No

Special Wind Region: No

Wind-borne debris zone: No

Seismic Design Category: A

Subject To Damage From

Weathering: Negligible

Frost Line Depth: No — 12-inch

Termite: Yes

Winter Design Temperature

For Heating Facilities: ~~None Required~~ Yes

Ice Barrier Underlayment Req'd: No

Flood Hazard:

Flood Insurance Rate Maps (FIRM)

City of Victoria

Panel Number:

480638 0005G Panel Date: July 21, 1999

480638 0010E Panel Date: August 4, 1987

480638 0015E Panel Date: August 4, 1987

480638 0005G LOMR Panel Date: Map revised July 21, 1999

480638 0010E LOMR Panel Date: Map revised August 4, 1987

City of Victoria Extra Territorial Jurisdiction (ETJ)

County of Victoria

Panel Number:

480637 0125D Panel Date: November 20, 1998

480637 0200B Panel Date: September 18, 1987

Including all Letter of Map Revisions and/or Letter of Map Amendments after the referenced effective panel dates.

Air Freeze Index: 1500 or less

Mean Annual Temp: 70.2

(6) *Section 301.2.1 Wind design criteria* is amended to read:

Buildings and portions thereof shall be constructed in accordance with the wind provisions of this code using the ultimate design speed in Table R301.2(+) as adopted.

(7) *Table 302.1(1)*. *Table 302.1(1)* is amended to reduce all requirements of a 5' separation distance to a 3' separation distance.

(8) *Section R302.1.1 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."

(9) **Section** *R302.5.1 Opening Protection* is amended to read: Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1-~~3~~/~~8~~/~~8~~ inches (35mm) in thickness, solid or honeycomb core steel doors not less than 1-~~3~~/~~8~~/~~8~~ inches (35mm) thickness, or 20-minute fire-rated doors.

(10) **Section** *R302.6 Dwelling/garage fire separation* is amended to add Exception 1, "Exception: Concrete-filled steel ally columns used in the structure supporting the separation shall not require a gypsum board application."

(11) ~~303.7.1~~ **Section** *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:~~

~~-2) Interior stairways consisting of less than six steps."~~

~~(+2)~~ *R310.1 Emergency escape and rescue opening required*. The first sentence of the paragraph is amended to read; "Every sleeping room shall have at least one operable emergency escape and rescue opening" No other amendments are made to this section.

~~(+3)~~ **12)** **Section** *R311.2 Egress Door* is amended to read; "At least one egress door shall be provided for each dwelling unit. The egress door shall be side-hinged, and shall provide a minimum clear width of 32 inches when measured between the face of the door and the stop, with the door open 90 degrees. The minimum clear height of the door opening shall not be less than 78 inches in height measured from the top of the threshold to the bottom of the stop. Other doors shall not be required to comply with these minimum dimensions".

~~(+4)~~ **13)** **Section** *R312.7.1 Where required* is amended to read; "Guards shall be located along open-sided walking surfaces of all decks, porches, balconies, stairs, ramps and landings that are located more than 30 inches measured vertically to the floor or grade below. Insect screening shall not be considered as a guard".

~~(+5)~~ **14)** **Section** *311.7.5.1 Risers*. The first sentence of the paragraph is amended to read: The maximum riser height shall be 8 inches (203 mm).

~~(+6)~~ **15)** **Section** *311.7.5.2 Treads*. The first sentence of the paragraph is amended to read: The minimum tread depth shall be 9 inches (229mm).

~~(+7)~~ **16)** **Section** *311.7.5.3 Nosings. Exception:* is amended to read: "A nosing is not required where the tread depth is a minimum of 10 inches."

~~(+8)~~ **17)** **Section** *311.7.8 Handrails*. All of section R311.7.8 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 1-½ inches (38 mm) shall be provided between the wall and the handrail."

(18) **Section** R312.2 *Window fall protection shall be amended to read:* Where window fall protection devices are provided, the device shall be installed in accordance with Sections R312.2.2.

(19) **Section** R403.1.6 *Foundation anchorage* is amended to read; "Where wood sill and sole plates and cold-formed steel framed walls are supported directly on continuous foundation walls or monolithic slabs with integral footings, they shall be anchored to the foundation in accordance with this section.

Wood sole plates at all exterior walls, wood sole plates of *braced wall panels* at building interiors on monolithic slabs with integral footings, and all wood sill plates shall be anchored to the foundation with anchor bolts spaced a maximum of 6 feet (1829 mm) on center. Bolts shall be at least ½ inch (12.7 mm) in diameter and shall extend a minimum of 7 inches (178 mm) into concrete or grouted cells of concrete masonry units. A nut and washer shall be tightened on each anchor bolt. There shall be a minimum of two bolts per plate section with one bolt located not more than 12 inches (305 mm) or less than seven bolt diameters from each end of the plate section. *Approved* foundation anchorage spaced as required to provide equivalent anchorage to ½-inch-diameter (13 mm) anchor bolts shall be permitted. Interior bearing wall sole plates on monolithic slab foundations with integral footings that are not part of a *braced wall panel* shall be positively anchored with *approved* fasteners. Sill plates and sole plates shall be protected against decay and termites where required by Sections R317 and R318.

Exceptions:

1. Walls 24 inches (610 mm) total length or shorter connecting offset *braced wall panels* shall be anchored to the foundation with a minimum of one anchor bolt located in the center third of the plate section and shall be attached to adjacent *braced wall panels* at corners as shown in Item 9 of Table R602.3(1).
2. Walls 12 inches (305 mm) total length or shorter connecting offset *braced wall panels* shall be permitted to be connected to the foundation without anchor bolts. The wall shall be attached to adjacent *braced wall panels* at corners as shown in Item 9 of Table R602.3(1).
3. *Exception 3 shall be added to read:* Where the basic wind speed in accordance with Figure R301.2(4) ~~2~~ ^A does not exceed 115 miles per hour (51m/s), the seismic design category is A or B and Method GB in accordance with Section R602.10 is used for a braced wall line on the interior of the dwelling, anchor bolts shall not be required for the wood sole plates of the braced wall panels. Positive anchorage with approved fasteners shall be provided.

(20) **Section** "R502.3.3 *Floor Cantilevers*" is amended 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 and 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."

(21) *Add new table "Table R502.3.3 Cantilever Spans For Floor Joists Supporting Light-Frame Exterior Bearing Wall And Roof Only" (see attached table).*

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) See table below

Member and	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 × 8 @ 12"	20" (177)	15" (227)		18" (209)								
2 × 10 @ 16"	29" (228)	21" (297)	16" (364)	26" (271)	18" (354)		20" (375)					
2 × 10 @ 12"	36" (166)	26" (219)	20" (270)	34" (198)	22" (263)	16" (324)	26" (277)			19" (356)		
2 × 12 @ 16"		32" (287)	25" (356)	36" (263)	29" (345)	21" (428)	29" (367)	20" (484)		23" (471)		
2 × 12 @ 12"		42" (209)	31" (263)		37" (253)	27" (317)	36" (271)	27" (358)	17" (447)	31" (348)	19" (462)	
2 × 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.~~

~~g.~~ A full-depth rim joist shall be provided at the cantilevered end of the joists. Solid blocking shall be provided at the cantilever support.

~~h.~~ Linear interpolation shall be permitted for building widths and ground snow loads other than shown.

(2322) **Section** R602.8 Fireblocking required, 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 or in accordance with Section

R302.11".

(23) **Section 703.7.2 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)."

(24) **Section R908.3 Roof replacement** is amended to read; "New roof coverings shall not be installed without first removing existing roof coverings where any of the following conditions occur:

1. Where the existing roof or roof covering is water-soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for additional roofing.
2. Where the existing roof covering is wood shake, slate, clay, cement or asbestos-cement tile.
3. Where the existing roof has two or more applications of any type of roof covering.

Exceptions:

1. Complete and separate roofing systems, such as standing-seam metal roof systems, that are designed to transmit the roof loads directly to the building's structural system and that do not rely on existing roofs and roof coverings for support, shall not require the removal of existing roof coverings.
2. Metal panel, metal shingle, and concrete and clay tile roof coverings shall be permitted to be installed over existing wood shake roofs when applied in accordance with **Section Chapter R907.49**.
3. The application of new protective coating over existing spray polyurethane foam roofing systems shall be permitted without tear-off of existing roof coverings."

(25)

Section N1102.3 Fenestration. Shall be amended to read; In addition to the requirements of N1102, fenestration shall comply with Section N1102.3.1 through N1102.3.5 as amended or shall comply with Table N1102.1.3.

(26)

~~N1101.2~~ **Section Compliance** is amended to read; "Compliance shall be demonstrated by either meeting the requirements of the International Energy Conservation Code, or meeting the requirements of this chapter, or meeting the requirements as set forth under Senate Bill 5 as mandated by the 77th Texas Legislature:

(27) **N1102.3.2.1 Glazed fenestration SHGC exception**, In climate Zone 2, permanently shaded vertical fenestration shall be permitted to satisfy the SHGC requirements. The projection factor of an overhang, eave, or permanently attached shading device shall be greater than or equal to the value listed in table N1102.2.3.1 (see below) for the appropriate orientation. The minimum projections shall extend beyond each side of the glazing a minimum of 12 inches (0.3m). Each orientation shall be rounded to the nearest cardinal orientation (+/-45 degrees or 0.79 rad) for purposes of calculation and demonstrating compliance.

TABLE N1102.2.3.1
MINIMUM PROJECTION FACTOR REQUIRED BY ORIENTATION FOR
SHGC EXCEPTION

ORIENTATION	PROJECTION FACTOR
North	≥0.40 ^a
South	≥0.20 —
East	≥0.50
West	≥0.50

a. For the north orientation, a vertical projection located on the west-edge of the fenestration with equivalent PF ≥ 0.15 shall also satisfy the minimum projection factor requirement.

(27)

Amend Building Components within Table N1105.4.2(1) as follows;

TABLE N1105.54.2(1)

SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS

BUILDING COMPONENT	STANDARD REFERENCE DESIGN	PROPOSED DESIGN
Vertical fenestration other than opaque doors	Total area ^b =	As proposed
	Orientation: equally distributed to four cardinal compass orientations (N, E, S, & W)	As proposed
	U-factor: from Table R402.1.3 N1102.1.3	As proposed As proposed
	Interior shade fraction: 0.92 (0.21×SHGC 21×SHGC for the standard reference design)	0.92 (0.21×SHGC 21×SHGC as proposed)
	External shading: none	
Heating Systems ^{d,e}	Fuel type: same as proposed design	As proposed
	Efficiencies: Electric: air-source heat pump with prevailing Federal minimum standards	As proposed
	Non-electric furnaces: natural gas furnace with prevailing federal minimum standards	As proposed
	Non-electric boilers: natural gas boiler with prevailing federal minimum standards	As proposed
	Capacity: sized in accordance with Section N1103.7	As proposed
Cooling Systems ^{d,f}	Fuel type: Electric	As proposed
	Efficiency: in accordance with prevailing federal minimum standards	

	Capacity: sized in accordance with Section N1103.7	As proposed
Service Water Heating ^{d,e,f}	Fuel type: same as proposed design	As proposed
	Efficiency: in accordance with prevailing federal minimum standards	Same as standard reference
	Use: gal/day=30+10xNbr Tank temperature: 120°F	Same as standard reference

Footnotes remain unchanged

(28)

Section N1101.4 Above code programs shall be amended to read: The building official or other authority having jurisdiction shall be permitted to deem a national, state or local energy-efficiency program to exceed the energy efficiency require by the this code. Buildings approved in writing by such an energy-efficiency program shall be considered in compliance with this code.

(29)

Section N1101.13 Application. Shall be amended to read; Residential buildings shall comply with Section N1101.13.5 and Section N1101.13.1, N1101.13.2, N1101.13.3, N1101.13.4 or shall meet the requirements as per Table N1102.1.3 and meet the requirements of Section 1101 through 1104 as amended.

(30)

Section 1102.1 General. The building thermal envelope shall comply with the requirements of Sections N1102.1 through N1102.5 or shall meet the requirements as per Table N1102.1.3 and meet the requirements of Section 1101 through 1104 as amended.

(31)

Section 1102.2.3 Eave Baffle. For air-permeable insulation in vented attics, a baffle shall be installed adjacent to soffit and eave vents. Baffles shall maintain a net free area opening equal to or greater than the size of the vent. The baffle shall extend over the top of the attic insulation. The baffle shall be permitted to be any solid material. The baffle shall be installed to the outer edge of the exterior wall top plate so as to provide maximum space for attic insulation coverage over the top plate.

(32)

Table N1102.1.3 Insulation Minimum R-Values and Fenestration Requirements by Component is amended to read;

Climate Zone	Fenestration U-Factor	Skylight U-Factor	Glazed Fenestration SHGC	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value
2	0.60	0.65	0.30	R-30	R-13	4/6	R-13

Footnotes to remain unchanged

(33)

Section N1103.3.6 Duct Leakage (1) is amended to read; Rough- in test: The total leakage shall be less than or equal to 6.0 cubic feet per minute per 100 square feet of conditioned floor area where the air handler is installed at the time of the test. Where the air handler is not installed at the time of the test, the total leakage shall be less than or equal to 5 cubic feet per minute per 100 square feet or conditioned floor area.

(34)

Section N1102.4 Air leakage shall be amended to read: The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections N1102.4.1 through N1102.4.4

Exception: Two family dwelling units and townhouses shall be permitted to comply with IECC Section C402.5.

(35)

Reserved.

(36)

Reserved.

(37)

Reserved.

(38)

~~N1102.4~~ *Section N1111.1.1 Installation* *Building Envelope Exception 5* shall be amended to read; Reroofs and roof replacements

(39)

Section N1110.1 General Shall be amended to read; (Mandatory) Additions The to components an of the existing building thermal shall envelope comply as listed in with Table N1102.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table N1102.4.1.1, as applicable to the method of construction. Where required by the building official, an approved third party shall inspect all components and verify compliance. 3

(40)

~~N1102~~ *Section N1110.4.1.2 3 Testing* *Prescriptive compliance*. The first sentence of the paragraph shall Shall be amended to read; (Mandatory) Additions shall comply with Sections N1110.3.1 The through building N1110.3.4 or dwelling as unit per shall Table be tested for air leakage N1102.1.3.

(41)

~~N1102~~ *Section M1411.4.1.3 9 Leakage* *Locking rate access (Prescriptive) port caps* shall is be added amended to read; The Refrigerant building circuit access ports located outdoors may be fitted with locking-type tamper-resistant caps or dwelling may unit be shall otherwise have secured an to air prevent leakage unauthorized rate not exceeding 5 air changes per hour in Climate Zone 2 when tested in accordance with Section N1102.4.1.2 access.

(42)

~~502~~ *Section M1502.4.5 6.1 Specified length* is amended to read "The maximum length of the exhaust duct shall be 35 feet (10,668mm) from the connection to the terminus of the transition duct from the dryer to the outlet terminal. Where fittings are utilized, the maximum length of the exhaust duct shall be reduced in accordance with Table M1502.4. 6.1

(43)

~~Table M1502.4.4~~ 6.1 is amended to read;

~~Table M1502.4.4.1~~

Maytag dryers:	Amana/Speed Queen dryers:	OLDER MODELS: Maytag, 1990
65 feet with 0 elbows	44 feet with 0 elbows	50 feet with 0 elbows
54 feet with 1 elbow	34 feet with 1 elbows	42 feet with 1 elbow
44 feet with 2 elbows	26 feet with 2 elbows	34 feet with 2 elbows
36 feet with 3 elbows	20 feet with 3 elbows	26 feet with 3 elbows
28 feet with 4 elbows		
Whirlpool dryers	Fridgidare/Westinghouse/Tappen/Gibson	Whirlpool, 1991
64 feet with 0 elbows	60 feet with 0 elbows	58 feet with 0 elbows
54 feet with 1 elbow	52 feet with 1 elbow	48 feet with 1 elbow
44 feet with 2 elbows	44 feet with 2 elbows	38 feet with 2 elbows
34 feet with 3 elbows	32 feet with 3 elbows	29 feet with 3 elbows
27 feet with 4 elbows		
Kenmore dryers	Magic Chef/Admiral/Norge	Kenmore, 1988
64 feet with 0 elbows	45 feet with 0 elbows	22 feet with 3 elbows
54 feet with 1 elbow	35 with 1 elbows	
44 feet with 2 elbows	25 with 2 elbows	
34 feet with 3 elbows		
27 feet with 4 elbows		
General Electric dryers:	Camco/Moffat/McClary	Throm
90 feet with 0 elbows	45 feet with 0 elbows	55 feet with 0 elbows
60 feet with 1 elbow	35 feet with 1 elbow	47 feet with 1 elbow
45 feet with 2 elbows	25 feet with 2 elbows	41 feet with 2 elbows

- (3544) *Section E3401.1 Applicability* is amended to read: "The provisions of Chapters 34 through 43 shall establish the general scope of the electrical system and equipment requirements of this code. Chapters 34 through 43 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."
- (3645) *Section E3401.2 Scope* is amended to read: "Chapters 34 through 43 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."
- (3746) *Section E3406.3 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 36."

Add 2 exceptions to Section E3406.3 Minimum size of conductors;

Exception 1: Smoke/Carbon Monoxide detectors, where required to be hard wired, may use #14 copper conductors per Table 3702.14. Up to 12 devices may be interconnected per manufacturer instructions/NFPA 72 guidelines.

Exception 2; Under cabinet task lighting may use #14 copper conductors per Table E3702.14

- (3847) *Section E3406.8 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."
- (3948) *Section E3601.1 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."
- (4049) *Section E3601.6.2 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."
- (4150) *Section E3603.2 Ungrounded service conductors for accessory buildings and structures, Exception #3* is added 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."
- (4251) *Section E3604.2.2 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."

(43)52) *Section E3604.5 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."

(44)53) *Section E3605.7 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)."

(45)54) *Section E3605.9.3 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."

(46)55)

Section E3606.5 Surge protection is amended to read; All services supplying one-and two-family dwelling units may be provided with a surge protective device (SPD) installed in accordance with Sections E3606.5.1 through E3606.5.3.

(56)

Section E3608.1 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 E3608.1.4.1"

(47)57) *Section E3611.1 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 E3608.1, E3608.1.4."

(48) ~~*Table E3702.14 Branch-circuit requirements - summary* is amended by deleting the entire 15-amp circuit rating column.~~

(49)58) *Section E3703.2 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 E3702, but in no case shall such circuits have more than three (3) duplex receptacles per circuit."

(50)59) *Section E3703.56 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."

(51)60) *Section E3704.1 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."

(52)61) *Table E3801.4 Allowable Wiring Method Applications For Wiring Methods* is amended by adding to the Services line a footnote L to read: "See Chapter 36 for specific service wiring method limitations."

(53)62)

Section E3902.3 Outdoor receptacles, is amended to read; 125-volt receptacles installed outdoors and supplied by single-phase branch circuits, 15 and 20 amp receptacles, shall have ground-fault circuit-interrupter protection for personnel.

(63)

Section E3902.9 Laundry Areas is amended to read; 125-volt receptacles installed in laundry areas and supplied by single-phase branch circuits, 15 and 20 amp receptacles, shall have ground-fault circuit-interrupter protection for personnel.

(64)

Add an exception to *Section E3902.17 Arc-Fault-Circuit Interrupter Protection*,

Exception 1 is added to read; Not required for installed appliances with motors and spark igniters such as but not limited to tankless gas water heater, refrigerator, exhaust equipment, food disposal.

(65)

Section E4002.14 Tamper Resistant Receptacles Exception 1 is amended to read:

1. Receptacles located more than 42" above the finished floor.

(Ord. No. 97-6, § 1, 3-18-97; Ord. No. 2002-9, § 1, 5-7-02; Ord. No. 2011-22, § 1, 8-2-11; Ord. No. 2015-33, § 1, 12-15-15; Ord. No. 2021-146, § 1(Att.), 8-3-21)

Secs. 5-54—5-59. - Reserved.