

GB-A.

Meeting Date: July 12, 2021

Subject: ORDINANCE 907, AN ORDINANCE ADOPTING BY REFERENCE THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE; AND ADOPTING AMENDMENTS TO CODES PREVIOUSLY ADOPTED BY REFERENCE.

Presenter: Rocco DeLuca, SAFEbuilt Chief Building Official
Jennifer Krieger, AICP, Community Development Director

Background: By Ordinance 874, the City Council adopted by reference updated editions of codes including the International Building Code, 2018 Edition, the International Residential Code, 2018 Edition, the International Fuel Gas Code, 2018 Edition, the International Plumbing Code, 2018 Edition, the International Mechanical Code, 2018 Edition, the International Building Code, 2018 Edition, the International Property Maintenance Code, 2018 Edition, the International Swimming Pool and Spa Code, 2018 Edition, the International Energy Conservation Code, 2012 Edition and the National Electrical Code, 2017 Edition. Combined, the Codes provide minimum standards and requirements for buildings and other structures within the City to protect public health, safety, and general welfare. Ordinance 907 amends sections of the previously adopted Codes to clean up inconsistencies and reflect current practices. Additionally, Ordinance 907 adopts the 2020 Edition of the National Electrical Code.

The National Electrical Code® (NEC®) is the benchmark standard for electrical safety in residential, commercial, and industrial settings. The NEC provides the latest requirements for safer and more effective electrical design, installation, and inspection, including provisions for wiring, overcurrent protection, grounding, and equipment. The NEC is revised every three years, and the State of Colorado adopted the 2020 NEC effective August 1, 2020.

No changes were made to Ordinance 907 between the first and second reading.

Recommended Action: Staff is recommending approval of Ordinance 907, adopting by reference the 2020 Edition of the National Electrical Code and adopting amendments to Codes previously adopted by reference on second reading.

ORDINANCE NO. 907

AN ORDINANCE ADOPTING BY REFERENCE THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE; AND ADOPTING AMENDMENTS TO CODES PREVIOUSLY ADOPTED BY REFERENCE.

WHEREAS, pursuant to Ordinance No. 874, the City Council adopted the 2018 editions of the International Building Code, International Residential Code, International Fuel Gas Code, the International Plumbing Code, the International Mechanical Code, the International Existing Building Code, the International Property Maintenance Code, and the International Swimming Pool and Spa Code; the 2012 edition of the International Energy Conservation Code; and the 2017 Edition of the National Electrical Code; and

WHEREAS, the Building Official has recommended certain amendments to the codes adopted by Ordinance No. 874; and

WHEREAS, the State of Colorado adopted the 2020 edition of the National Electric Code, which adoption became effective on August 1, 2020; and

WHEREAS, as a Colorado municipality, the City is required to adopt the State-adopted electrical code; and

WHEREAS, it is deemed to be in the interest of the public health, safety and general welfare to adopt by reference the above-referenced code and to adopt amendments consistent with the recommendations of the Building Official; and

WHEREAS, the City Council, after proper notice as required by law, has held a public hearing on this ordinance providing for the adoption of the above-referenced code and amendments; and

WHEREAS, the above-referenced code and amendments have been submitted to the City Council in writing and the City Council has determined that such codes should be adopted as herein set forth.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF DACONO, COLORADO:

Section 1. Section 18-40 of the Dacono Municipal Code is hereby amended to read as follows (words added are underlined; words deleted are ~~stricken through~~):

Sec. 18-40. - Codes adopted; scope.

Pursuant to Title 31, Article 16, Part 2, C.R.S., the codes and standards hereinafter described are hereby adopted by reference, subject to the amendments herein set forth. The subject matter of the codes and standards adopted herein includes the regulation of the new construction, alteration and

repair of all new and existing structures along with all plumbing, mechanical and installations therein or in connection therewith. In case of any conflict between a code adopted herein and any other specific provision of this Code, the specific provision of this Code shall prevail.

(1) *The International Building Code*, 2018 Edition, as published by the International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Chapters 1 through 35 inclusive and Appendix Chapter I and N, is hereby adopted by reference as the City of Dacono Building Code as if fully set out in this Article with the additions, deletions, insertions, and changes as follows.

a. **IBC Section 101.1** IBC Section 101.1 (Title) is amended by the addition of "City of Dacono" where indicated.

b. **IBC Section 101.4.3** IBC Section 101.4.3 (Plumbing) is amended by the deletion of the last sentence.

c. **IBC Section 101.4.5** IBC Section 101.4.5 (Fire prevention) is amended by replacing "International Fire Code" with "adopted fire code".

d. **IBC Section 101.4.6** IBC Section 101.4.6 (Energy) is amended by replacing the words "International Energy Conservation Code" to "2018 ~~2012~~ International Energy Conservation Code".

e. **IBC Section 105.2** IBC Section 105.2 (Work exempt from permit):

i. ~~Exception #1 is deleted in its entirety and replaced with: "One-Story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet."~~

i. Exemption #2 is deleted in its entirety and replaced with: "Fences not over 6 feet (1829 mm) high."

ii. A new Exemption ~~Exception~~ #14 is added, to read as follows: "Shingle repair or replacement work not exceeding one square (100 square feet in area) of covering per building."

f. **IBC Section 105.5** IBC Section 105.5 (Expiration) is deleted in its entirety and replaced with: "Every permit issued by the building official under the provisions of this code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within 180 days from the date of such permit, or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work can be recommenced, a new permit shall be first obtained to do so, and the fee therefor shall be one half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work, and provided further that such suspension or abandonment has not exceeded one year. In order to renew action on a permit after expiration, the permittee shall pay a new full permit fee. All permits shall become null and void after two (2) years from date of issuance."

g. **IBC Section 109.4** IBC Section 109.4 (Work commencing before permit issuance) is deleted in its entirety and replaced with: "Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits may be subject to an investigation fee established by the City. The amount of the investigation fee may be in the amount up to the amount of the permit fee that would normally be assessed for the specific type of construction activity, with any such investigation fee being *in addition to* all other required permit fees. The investigation fee shall be collected whether or not a permit is then subsequently issued."

h. **IBC Section 109.6** IBC Section 109.6 (Refunds) is deleted in its entirety and replaced with:

“i. The City may authorize refunding of any fee paid hereunder which was erroneously paid or collected.

ii. The City may authorize refunding of not more than 80 percent (80%) of the permit fee paid when no work has been done under a permit issued in accordance with this code.

iii. The City may authorize refunding of not more than 80 percent (80%) of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or cancelled before any plan reviewing is done.

iv. The City shall not authorize refunding of any fee paid except on written application filed by the original permittee not later than 180 days after the date of fee payment.”

i. **IBC Section 113.1** IBC Section 113.1 (General) is amended by deleting the last two sentences and inserting the following:

"The members of the Board of Appeals shall be comprised of the members of the City Council."

j. **IBC Section 113.3** IBC Section 113.3 (Qualifications) is deleted in its entirety.

k. **IBC Section 114.2** IBC Section 114.2 (Notice of Violation) is amended by adding "Notice of Violations shall be delivered in accordance with the International Building Code and International Property Maintenance Code, as applicable" ~~section 107 of the IPMC~~ after the last paragraph.

l. **IBC Section 202** IBC Section 202 (Definitions) is amended by addition of the following definition:

"'Sleeping Room' (Bedroom) is any enclosed habitable space within a dwelling unit, which complies with the minimum room dimension requirements of IBC Section 1207.3 ~~4208~~ and contains a closet, an area that is useable as a closet, or an area that is readily convertible for use as a closet. Living rooms, family rooms and other similar habitable areas that are so situated and designed

so as to clearly indicate these intended uses, shall not be interpreted as sleeping rooms."

m. **IBC Section 310.4.1** IBC Section 310.4.1 (Care facilities within a dwelling) is amended to read as follows: Care facilities for six or fewer persons receiving care that are within a single-family dwelling are permitted to comply with the International Residential Code.

n. ~~m.~~ **IBC Section 915.2.1** The first paragraph of IBC Section 915.2.1 (Dwelling units) is ~~deleted in its entirety and replaced~~ amended to read as follows: "Carbon monoxide detection shall be installed in dwelling units within 15 feet of each separate sleeping area. Where a fuel-burning appliance is located within a bedroom or its attached bathroom, carbon monoxide detection shall be installed within the bedroom."

o. ~~n.~~ **IBC Section 1015.2** IBC Section 1015.2 (Where required) is amended by the addition of a second paragraph inserted before the exceptions to read as follows:

"All area wells, stair wells, window wells and light wells attached to any building that are located less than 36 inches (914.4 mm) from the nearest intended walking surface and deeper than 30 inches (762 mm) below the surrounding ground level, creating an opening greater than 24 inches (610 mm) measured perpendicular from the building, shall be protected with guardrails conforming to this section around the entire opening, or be provided with an equivalent barrier."

p. ~~o.~~ **IBC Section 1020.1** IBC Section 1020.1 (Table 1020.1 Corridor Fire-Resistance Rating) is revised to replace the corridor rating for R Occupancies with a sprinkler system from 0.5 to 1-Hour fire rating.

q. ~~p.~~ **IBC Section 1030.1** IBC Section 1030.1 (General) is amended by the adding the following text to the end of the second paragraph: "In new construction, all windows and window wells in unfinished basements shall meet the requirements of IBC Sections 1-30.1 through 1030.5." Section 1030.1 is further amended by deleting deletion of exception #4 in its entirety.

r. ~~q.~~ **IBC Section 1030.2** IBC Section 1030.2 (Minimum Size) is amended by the addition of the following:

i. For all building permits issued after the effective date of adoption of the 1997 Uniform Building Code, all escape and rescue windows requiring a window well pursuant to the International Building Code shall comply with the dimension requirements set forth in this section, whether or not said escape or rescue window is located in a sleeping room.

ii. With regard to building permits issued prior to the effective date of adoption of the 1997 Uniform Building Code, for additions to or alterations of existing buildings or structures, any window well with a finished sill height below adjacent ground level shall be deemed in compliance with the City's regulations if said window well meets the dimensions set forth in the 1991

~~Edition of the Uniform Building Code, previously in effect in the City of Dacono."~~

~~r. r.~~ **IBC Section 1301.1.1** IBC Section 1301.1.1 (Criteria) is amended by replacing "International Energy Conservation Code" with the "2012 International Energy Conservation Code."

~~s. s.~~ **IBC Section 1612.3** IBC Section 1612.3 (Establishment of flood hazard areas) is amended by the insertion of "City of Dacono" where indicated in "[Name of Jurisdiction]", and by the insertion of January 20, 2016, (the date of the latest flood insurance study for the City) where indicated in "[Date of Issuance]."

(2) *The International Residential Code*, 2018 Edition, as published by the International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478, Chapters 1 through 43 inclusive and Appendix Chapter H ~~Chapters F, H and M~~, is hereby adopted by reference as the City of Dacono Residential Building Code as if fully set out in this Article with the additions deletions insertions and changes as follows.

a. **IRC Section R101.1** IRC Section R101.1 (Title) is amended by the addition of "City of Dacono" where indicated.

b. **IRC Section R105.2** IRC Section R105.2 (Work Exempt from Permit):

i. ~~Exemption~~ Exemption #1 is deleted in its entirety and replaced with: "One-Story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet."

ii. Exemption #2 is amended to read as follows: "Fences not over 6 feet (1829 mm) high."

~~iii. ii.~~ Exemption ~~Exemption~~ #10 is deleted in its entirety and replaced with: "Shingle repair or replacement work not exceeding one square (100 square feet in area) of covering per building."

c. **IRC Section R105.5** IRC Section R105.5 (Expiration) is deleted in its entirety and replaced with: "Every permit issued by the building official under the provisions of this code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within 180 days from the date of such permit, or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work can be recommenced, a new permit shall be first obtained to do so, and the fee therefor shall be one half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work, and provided further that such suspension or abandonment has not exceeded one year. In order to renew action on a permit after expiration, the permittee shall pay a new full permit fee. All permits shall become null and void after two (2) years from date of issuance."

d. **IRC Section 108.4** Section R108.4 (Related fees) is hereby amended by the addition of the following paragraph at the end of the Section:

“Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits may be subject to an investigation fee established by the City. The amount of the investigation fee may be in the amount up to the amount of the permit fee that would normally be assessed for the specific type of construction activity, with any such investigation fee being in addition to all other required permit fees. The investigation fee shall be collected whether a permit is then subsequently issued.”

e. **IRC Section 108.5** Section R108.5 is deleted in its entirety and replaced to read as follows:

“i. The City may authorize refunding of any fee paid hereunder which was erroneously paid or collected.

ii. The City may authorize refunding of not more than 80 percent (80%) of the permit fee paid when no work has been done under a permit issued in accordance with this code.

iii. The City may authorize refunding of not more than 80 percent (80%) of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or cancelled before any plan reviewing is done.

iv. The City shall not authorize refunding of any fee paid except on written application filed by the original permittee not later than 180 days after the date of fee payment.”

f. ~~IRC Section R108.6~~ Section R108.6 (Work commencing before permit issuance) is deleted in its entirety and replaced with: "Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits may be subject to an investigation fee established by the City. The amount of the investigation fee may be in the amount up to the amount of the permit fee that would normally be assessed for the specific type of construction activity, with any such investigation fee being *in addition to* all other required permit fees. The investigation fee shall be collected whether or not a permit is then subsequently issued."

e. ~~IRC Section R109.4~~ Section R108.4 (Related Fees) is amended to add a new subsection to read as follows:

~~“Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits may be subject to an investigation fee established by the City. The amount of the investigation fee may be in the amount up to the amount of the permit fee that would normally be assessed for the specific type of construction activity, with any such investigation fee being *in addition to* all other required permit~~

fees. ~~The investigation fee shall be collected whether or not a permit is then subsequently issued."~~

f. ~~**IRC Section R109.5**~~ IRC Section R108.5 (Refunds) is deleted in its entirety and replaced with:

~~i. The City may authorize refunding of any fee paid hereunder which was erroneously paid or collected.~~

~~ii. The City may authorize refunding of not more than 80 percent (80%) of the permit fee paid when no work has been done under a permit issued in accordance with this code.~~

~~iii. The City may authorize refunding of not more than 80 percent (80%) of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or cancelled before any plan reviewing is done.~~

~~iv. The City shall not authorize refunding of any fee paid except on written application filed by the original permittee not later than 180 days after the date of fee payment."~~

g. **IRC Section R109.1.5** IRC Section R109.1.5 (Other inspections) is amended by the addition of three a new subsections "R109.1.5.2, R109.1.5.3, and R109.1.5.4", to read as follows:

"R109.1.5.2 **Insulation Inspection.** Insulation Inspection of the structure shall be made following installation of the wall, ceiling and floor insulation and exterior windows and before wall coverings are installed.

R109.1.5.3 **FLC.** A Foundation Lot Certificate with setback dimensions shall be provided to the City of Dacono Building Department three working days prior to requesting a rough inspection of any required building inspection including rough building, mechanical, plumbing, and electrical.

R109.1.5.4 **ILC and Grading Certificate.** A final Improvement Location Certificate ("ILC") and Grading Certificate shall be submitted to the City of Dacono Building Department three working days prior to requesting a final building inspection. Both the ILC and the Grading Certificate shall not be older than thirty days of the requested final building inspection."

h. **IRC Section R112.1 ~~R113.1~~** IRC Section R112.1 (General) is amended by deleting the last three sentences and inserting the following:

 "The members of the Board of Appeals shall be comprised of the members of the City Council."

i. **IRC Section R112.3 ~~R113.3~~** IRC Section R112.3 (Qualifications) is deleted in its entirety.

j. **IRC Section R113.2 ~~R114.2~~** IRC Section R113.2 (Notice of Violation) is amended by adding "Notice of Violations shall be delivered in accordance with the International Building Code and the International Property Maintenance Code" ~~section 107 of the IPMC~~" after the last paragraph.

k. **IRC Section R202** IRC Section R202 (Definitions) is amended by the addition of the following definition:

"Sleeping Room' (Bedroom) is any enclosed habitable space within a dwelling unit, which complies with the minimum room dimension requirements of IRC Sections R304 and R305 and contains a closet, an area that is useable as a closet, or an area that is readily convertible for use as a closet. Living rooms, family rooms and other similar habitable areas that are so situated and designed so as to clearly indicate these intended uses, shall not be interpreted as sleeping rooms."

l. **IRC Table R301.2 (1)** IRC Table R301.2 (1) is completed to provide the following:

**Table R301.2 (1)
Climatic and Geographic Design Criteria**

Ground Snow Load	Wind Design		Seismic Design Category	Subject to Damage From			Winter Design Temp	Ice barrier Underlayment Required	Flood Hazard	Air Freezing Index	Mean Annual Temp
	Speed (V)	Topographic effects		Weathering	Frost Line Depth	Termite					
30psf	115	No	B	Severe	30 in.	Slight to Moderate	1	YES	1/14/14	1000	45°F

~~m. **IRC Section R302.1** IRC Section R302.1 (Exterior walls) is amended by deletion of the following language: "or dwellings equipped throughout with an automatic sprinkler system installed in accordance with section P2904 shall comply with table R302.1(2)."~~

~~n. **IRC Table R302.1 (2)** IRC Table R302.1 (2) is deleted in its entirety.~~

~~m. **IRC Section R302.3** IRC Section R302.3 (Two-family dwelling) is amended by replacing "1-Hour fire-resistance rating" with "2-Hour fire-resistance rating" and by deleting Exception #1.~~

~~p. **IRC Section R302.13** IRC Section R302.13 (Fire Protection of Floors) is amended by the addition of exceptions 5, 6, and 7, as follows:~~

~~i. Exception #5 For floor assemblies located over a basement or crawlspace, mechanical equipment rooms not larger than 80 square feet constructed per sections R302.13 with minimum 1/2 inch gypsum wallboard on the enclosing walls and a self-closing weather-stripped solid door.~~

~~ii. Exception #6 Floor assemblies located over a basement or crawlspace, with mechanical equipment rooms not larger than 80 square feet may be constructed per Exception #4, using fire-treated I joists only above furnace-closet area with minimum 5/8 inch Type X gypsum wallboard on the enclosing walls and a self-closing weather-stripped solid core 20-minute-rated door and frame.~~

~~iii. Exception #7 For floor assemblies located over a basement or crawl space with a mechanical equipment room not larger than 80 square feet may be unprotected if a fire sprinkler head is installed in accordance with section P2904 or the International Building Code sections 903.3.1.2 or 903.3.1.3, installed within the equipment room on a domestic water loop."~~

~~q. **IRC Section R303.4** IRC Section R303.4 (Mechanical Ventilation) is amended by replacing "5 air changes per hour" with "7 air changes per hour", and replacing the words "in accordance with section N1102.4.1.2" with "in accordance with section 402.4.1.2 of the International Energy Conservation Code, 2012 Edition."~~

~~r. **IRC Section R309.5** IRC Section R309.5 (Fire sprinklers) is deleted in its entirety.~~

~~n. s. **IRC Section R310.1** The first paragraph of IRC Section R310.1 (Emergency Escape and Rescue Openings) is amended by adding the following text at the end of the first paragraph before the exceptions: ~~deleted and replaced with~~ "In new construction, all windows and window wells located in unfinished basements, habitable attics and sleeping rooms shall meet all the requirements of sections R310.1 through R.310.2.4"~~

Exception #2 is deleted in its entirety.

~~o. t. **IRC Section R310.2.3.1** IRC Section R310.2.3.1 ~~R310.2.1~~ (Ladder and steps) is amended by the addition of the following exception to read as follows:~~

~~"Exception: Only one window well ladder shall be required in an unfinished basement."~~

~~u. **IRC Section R312.1** IRC Section R312.1 (Guards required) is amended by the addition of a second third paragraph and three exceptions, to read as follows:~~

~~"All area wells, stair wells, window wells and light wells attached to any building that are located less than 36 inches (914 mm) from the nearest intended walking surface and deeper than 30 inches (762 mm) below the surrounding ground level, creating an opening greater than 24 inches (610 mm) measured perpendicular from the building, shall be protected with guardrails conforming to this section around the entire opening, or be provided with an equivalent barrier.~~

~~Exceptions:~~

- ~~1. The access side of stairways need not be protected.~~
- ~~2. Area and window wells provided for emergency escape and rescue windows may be protected with approved grates or covers that comply with Section R310.4 of this code.~~

~~3. Covers and grates may be used over stairways and other openings used exclusively for service access or for admitting light or ventilation."~~

~~v. **IRC Section R313** IRC Section R313 (Automatic Fire Sprinkler Systems) is deleted in its entirety.~~

p. **IRC Section R313.2** IRC Section R313.2 is hereby deleted in its entirety and replaced with the following:

"An automatic residential fire sprinkler system shall not be required to be installed in one- and two-family dwellings."

~~q. w. **IRC Section 315.3** The first paragraph of IRC Section R315.3 (Location) is deleted in its entirety and replaced with the following: amended to read as follows:~~

"Carbon monoxide detection shall be installed in dwelling units within 15 feet of each separate sleeping area. Where a fuel-burning appliance is located within a bedroom or its attached bathroom, carbon monoxide detection shall be installed within the bedroom."

~~r. x. **IRC Section R401.2** IRC Section R401.2 (Requirements) is amended by the addition of the following language at the end of the paragraph:~~

"Foundations shall be designed and the construction drawings stamped by a Colorado registered design professional. The foundation design must be based on an engineer's soils report. The drawings must be noted with the engineering firm name, specific location for design and soils report number. A site certification prepared by State of Colorado registered design professional is required for setback verification on all new Group R Division 3 occupancies."

~~s. y. **IRC Section R405.1** IRC Section R405.1 (Concrete or masonry foundations) is amended by adding the following language after the first sentence: "All foundation drains shall be designed and inspected by a State of Colorado registered design professional."~~

t. **IRC Section R905.2.8.3** The first sentence of IRC Section R905.2.8.3 (Sidewall flashing) is amended by the removal of the phrase "continuous or."

~~u. z. **IRC Chapter 11** IRC Chapter 11 (Energy Efficiency) is deleted in its entirety. The subject matter shall be governed by the 2012 International Energy Conservation Code.~~

~~v. aa. **IRC Section M1502.4.5.2** IRC Section M1502.4.5.2 (Manufacturer's Manufactures instructions) is deleted in its entirety.~~

~~w. bb. **IRC Section G2415.12** IRC Section G2415.12 (Minimum burial depth) is amended by the addition of the following: "All plastic fuel gas piping shall be installed a minimum of 18 inches (457 mm) below grade."~~

~~x. ee. **IRC Section G2415.12.1** IRC Section G2415.12.1 (Individual outside appliances) is deleted in its entirety.~~

~~y. dd.~~ **IRC Section G2417.4.1** IRC Section G2417.4.1 (Test pressure) is amended by changing "3 psig" to "10 psig".

~~z. ee.~~ **IRC Section G2417.4.2** IRC Section G2417.4.2 (Test Duration) is amended by replacing "10 Minutes" with "15 Minutes".

~~aa. ff.~~ **IRC Section P2503.5.1** IRC Section P2503.5.1 (Rough plumbing) is amended by deleting the first paragraph and replacing it with: "DWV systems shall be tested on completion of the rough piping installation by water or air with no evidence of leakage."

~~bb. gg.~~ **IRC Section P2603.5.1** IRC Section P2603.5.1 (Sewer depth) is amended by filling in both areas where indicated to read "12 inches (305 mm)".

~~cc. hh.~~ **IRC Section P2913** IRC Section P2913 (Reclaimed Water systems) is deleted in its entirety.

~~dd. ii.~~ **IRC Section P3103.1** IRC Section P3103.1 (Roof extension) is amended by replacing "6 inches" with "12 inches".

~~jj.~~ **IRC Section AF101** IRC Section AF101 (General) is amended by the deletion of this section in its entirety and replaced with "This appendix contains requirements for new construction."

~~kk.~~ **IRC Section AF103.5.3** IRC Section AF103.5.3 (Vent pipe) is amended by replacing "The vent pipe shall be extended" with "The vent pipe may be extended" in the second sentence.

~~ll.~~ **IRC Section AF103.6.1** IRC Section AF103.6.1 (Vent pipe) is amended by replacing "The pipe shall be extended" with "The pipe may be extended" in the second paragraph.

(3) *The International Mechanical Code*, 2018 Edition as published by the International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478, Chapters 1 through 15 inclusive, is hereby adopted by reference as the City of Dacono Mechanical Code as if fully set out in this Article with the additions, deletions, insertions and changes as follows.

a. **IMC Section 101.1** IMC Section 101.1 (Title) is amended by the addition of "City of Dacono" where indicated.

b. **IMC Section 504.8.4.2** IMC Section 504.6.4.2 (Manufacturer's Manufactures Instructions) is deleted in its entirety.

(4) *The International Fuel Gas Code*, 2018 Edition, as published by the International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478, Chapters 1 through 8 inclusive, is hereby adopted by reference as the City of Dacono Fuel Gas Code as if fully set out in this Article with the additions, deletions, insertions and changes as follows.

a. **IFGC Section 101.1** IFGC Section 101.1 (Title) is amended by the addition of "City of Dacono" where indicated.

b. **IFGC Section 404.12** IFGC Section 404.12 (Minimum burial depth) is amended by deleting the phrase “except as provided for in Section 404.12.1, and by adding the addition of the following sentence at the end of the section: "All plastic fuel gas piping shall be installed a minimum of 18 inches (457 mm) below grade."

c. **IFGC Section 404.12.1** IFGC Section 404.12.1 (Individual outside appliances) is deleted in its entirety.

d. **IFGC Section 406.4.1** IFGC Section 406.4.1 (Test pressure) is amended by changing "3 psig" to "10 psig".

e. **IFGC Section 406.4.2** The second paragraph of IFGC Section 406.4.2 (Test duration) is amended to read as follows: "When testing a system having a volume less than 10 cubic feet or a system in a single family dwelling, the test duration shall be not less than 15 minutes."

f. **IFGC Section 614.8.5.2** IFGC Section 614.8.5.2 (Manufacturer’s Manufactures instructions) is deleted in its entirety.

(5) *The International Plumbing Code*, 2018 Edition, as published by the International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478, Chapters 1 through 13 inclusive, is hereby adopted by reference as the City of Dacono Plumbing Code as if fully set out in this Article with the additions, deletions, insertions and changes as follows.

a. **IPC Section 101.1** IPC Section 101.1 (Title) is amended by the addition of "City of Dacono" where indicated.

b. **IPC Section 305.4.1** IPC Section 305.4.1 (Sewer depth) is amended by filling in both areas where indicated to read "12 inches (305 mm)".

c. **IPC Section 312.3** The first sentence paragraph of IPC Section 312.3 (Drainage and vent air test) is deleted in its entirety.

d. **IPC Section 903.1** IPC Section 903.1 (Roof extension) is amended by inserting "12 (152.4 mm)" where indicated in the first second sentence.

e. **IPC Section 1304** IPC Section 1304 (Reclaimed water systems) is deleted in its entirety.

(6) *The International Property Maintenance Code*, 2018 Edition, as published by the International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478, Chapters 1 through 8 inclusive, is hereby adopted by reference as the City of Dacono Property Maintenance Code as if fully set out in this Article with the additions, deletions, insertions and changes as follows.

a. **IPMC Section 101.1** IPMC Section 101.1 (Title) is amended by the addition of the term "City of Dacono" where indicated.

b. **IPMC Section 102.3** IPMC Section 102.3 (Application of Other Codes) is amended by the deletion of the last sentence paragraph.

c. **IPMC Section 103.5** IPMC Section 103.5 (Fees) is deleted in its entirety.

d. **IPMC Section 111.2** IPMC Section 111.2 (Membership of board) is deleted in its entirety and replaced with the following:

"The members of the Board of Appeals shall be comprised of the members of the City Council."

e. **IPMC Section 111.2.1** IPMC Section 111.2.1 (Alternate Members) is deleted in its entirety.

f. **IPMC Section 111.2.2** IPMC Section 111.2.2 (Chairman) is deleted in its entirety.

g. **IPMC Section 111.2.3** IPMC Section 111.2.3 (Disqualification of member) is deleted in its entirety.

h. **IPMC Section 111.2.4** IPMC Section 111.2.4 (Secretary) is deleted in its entirety.

i. **IPMC Section 111.2.5** IPMC Section 111.2.5 (Compensation of members) is deleted in its entirety.

j. **IPMC Section 111.3** IPMC Section 111.3 (Notice of Meeting) is deleted in its entirety.

k. **IPMC Section 111.4** IPMC Section 111.4 (Open Hearing) is deleted in its entirety.

l. **IPMC Section 302.3** IPMC Section 302.3 (Sidewalks and Driveways) is deleted in its entirety.

m. **IPMC Section 302.4** IPMC Section 302.4 (Weeds) is deleted in its entirety.

n. **IPMC Section 302.8** IPMC Section 302.8 (Motor Vehicles) is deleted in its entirety.

o. **IPMC Section 304.14** IPMC Section 304.14 (Insect Screens) is deleted in its entirety.

p. **IPMC Section 308** IPMC Section 308 (Rubbish and Garbage) is deleted in its entirety.

q. **IPMC Section 309** IPMC Section 309 (Pest Elimination) is deleted in its entirety.

r. **IPMC Section 604.2** IPMC Section 604.2 (Service) is amended by replacing "NFPA 70" with "Electrical Code adopted by the state of Colorado."

(7) *The International Existing Building Code*, 2018 Edition, as published by the International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478, Chapters 1 through 16 inclusive, is hereby adopted by reference as the City of Dacono Existing Building Code as if fully

set out in this Article with the additions, deletions, insertions and changes as follows.

a. **International Existing Building Code** is amended by replacing all references to "International Fire Code" with "Adopted Fire Code".

b. **IEBC Section 101.1** IEBC Section 101.1 (Title) is amended by the addition of "City of Dacono" where indicated.

c. **IEBC Section 1401.2** IEBC Section 1401.2 (Conformance) is amended to add the following sentence at the end of the paragraph: deleted in its entirety and replaced with the following: "Structures moved into or within the jurisdiction shall comply with the provision of this code for new structures."

(8) *The International Swimming Pool and Spa Code*, 2018 Edition, as published by the International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478, Chapters 1 through 11 inclusive, is hereby adopted by reference as the City of Dacono Swimming Pool and Spa Code as if fully set out in this Article with the additions, deletions, insertions and changes as follows.

a. **ISPSC Section 101.1** ISPSC Section 101.1 (Title) is amended by the addition of the term "City of Dacono" where indicated.

(9) *The International Energy Conservation Code*, 2012 Edition, as published by the International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478, Chapters 1 through 6 ~~X~~ inclusive, is hereby adopted by reference as the City of Dacono Energy Conservation Code as if fully set out in this Article with the additions, deletions, insertions and changes as follows.

a. **IECC Section C101.1** IECC Section C101.1 (Title) is amended by the addition of "City of Dacono" where indicated.

b. **IECC Section 109.1** IECC Section 109.1 (General) is amended by deleting the last three sentences paragraphs and inserting the following:

"The members of the Board of Appeals shall be comprised of the members of the City Council."

c. **IECC Section 109.3** IECC Section 109.3 (Qualifications) is deleted in its entirety.

d. ~~**IECC Section C402.4.1.2.3** IECC Section C402.4.1.2.3 (Building test) is deleted in its entirety.~~

e. ~~**IECC Section C408** IECC Section C408 (System commissioning) is deleted in its entirety.~~

(10) *The National Electrical Code*, 2020 ~~2017~~ Edition, exclusive of appendices, published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169 is adopted to protect the public health, safety and welfare by providing minimum standards and requirements pertaining to electrical installations.

Section 2. Copies of the codes adopted by reference by this ordinance are available for public inspection at the office of the City Clerk between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, holidays excepted.

Section 3. If any article, section, paragraph, sentence, clause, or phrase of this ordinance is held to be unconstitutional or invalid for any reason, such decision shall not affect the validity or constitutionality of the remaining portions of this ordinance. The City Council hereby declares that it would have passed this ordinance and each part or parts hereof irrespective of the fact that any one part or parts be declared unconstitutional or invalid.

Section 4. The repeal or modification of any provision of any prior ordinance by this ordinance shall not release, extinguish, alter, modify, or change in whole or in part any penalty, forfeiture or liability, either civil or criminal, which shall have been incurred under such provision, and each provision shall be treated and held as still remaining in force for the purpose of sustaining any judgment, decree, or order which can or may be rendered, entered, or made in such actions, suits, proceedings, or prosecutions.

Section 5. All other ordinances or portions thereof inconsistent or conflicting with this ordinance or any portion hereof are hereby repealed to the extent of such inconsistency or conflict.

Section 6. This ordinance is deemed necessary of the preservation and protection of the health, safety, welfare and property of the inhabitants and owners of property within the City of Dacono.

INTRODUCED, READ, ADOPTED ON FIRST READING, AND ORDERED PUBLISHED AND POSTED BY TITLE this ____ day of _____, 2021

PUBLIC HEARING AND SECOND READING WILL BE THE ___ day of _____, 2021, AT 6:00 P.M. AT DACONO CITY HALL, 512 CHERRY STREET, DACONO, CO.

READ, ADOPTED ON SECOND READING, APPROVED, SIGNED, AND ORDERED PUBLISHED BY TITLE this ____ day of _____, 2021.

CITY OF DACONO, COLORADO

Joe Baker, Mayor

ATTEST:

Valerie Taylor, City Clerk

Summary of Ordinance No. _____, **“AN ORDINANCE ADOPTING BY REFERENCE THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE; AND ADOPTING AMENDMENTS TO CODES PREVIOUSLY ADOPTED BY REFERENCE.”**: Adopts by reference the 2020 edition of the National Electrical Code, and makes amendments to City-adopted codes as recommended by the Building Official, all for the protection of the public health, safety and general welfare.