Northern Nevada Chapter
International Code Council
Northern Nevada IRC Code Amendment Committee
Meeting Minutes

Reno City Hall – 6th Floor Large Conference Room and Teams Meeting
October 10th, 2024, 12:15 pm

CALL TO ORDER: Meeting called to order at 12:15 By Daniela Monteiro

1) **ROLL CALL:**

- JURISDICTIONAL MEMBERS PRESENT: Daniela Monteiro, Billy Staten, Kim Wojtkowiak, Cassidy Santos, Gary Purdum, Erica Caldwell, Stacey Haltom, Ray Brown, Jacob Reed, Jeremy Davidson, Jon Pennington, Aaron Viviano, Bob Flores.
- INDUSTRY MEMBERS PRESENT: Jesse Olson, Shannon Hernandez, Alex Boelts, Kelly Ham, David Brkic.

2) **APPROVAL OF 09/26/24 MINUTES:**
   a. Motion to approve 09/26/24 Meeting Minutes, 1st by Gary, 2nd by Jeremy. No discussion.
      1. Vote approved unanimously.

3) **REVIEW OF APPROVED AMENDMENTS FROM 09/26/24 WITH "ADMINISTRATIVE EDITS REQUIRED":**

   a. **Chapter 11: Energy Conservation** (IRC 5)
      1. Motion to **approve IRC 5 with administrative edits** and **carry over** amendment from 2018, with code section changes when applicable. 1st by Jeremy, 2nd by Gary.
         i. Vote to approve unanimously.

   b. **G2404.12**: Snow Hazard (IRC 8)
      1. Motion to **approve IRC 8 with administrative edits** and **carry over** amendment from 2018, with code section changes when applicable. 1st by Cass, 2nd by Jeremy.
         i. Vote to approve unanimously.

   c. **E3601.6.2** Service Disconnect Location (IRC 18)
      1. Motion to **approve IRC 18 with administrative edits** and **carry over** amendment from 2018 with code section changes when applicable. 1st by Gary, 2nd by Jeremy.
         i. Vote to approve unanimously.

4) REVIEW OF TABLED AMENDMENTS FROM 09-26/24:

a. **R301.2**: Climatic and Geographic Design Criteria (IRC 2)
    1. Motion to **add** Design Criteria Table and Footnotes D & F to section R301.2 and carry **over** amendment from 2018 with code section changes when applicable. 1st by Jeremy, 2nd by Billy.
        i. Vote approved unanimously

b. **M1503.6**: Make-up Air Required (IRC 6)
    1. Motion to **strike** "0.19" **add** "0.28 m3/s, **strike** "400" **add** "600" and **add** text "and shall be automatically controlled to start and operate simultaneously with the exhaust system." to section M1503.6 and **carry over** amendment from 2018 with code section changes when applicable. 1st by Cass, 2nd by Gary.
        i. Vote approved unanimously.

c. **BF105.2** Footings (IRC 23)
    1. Motion to **move** AH105.2 to 403.1.4 and carry **over** amendment from 2018 with code section changes when applicable. 1st by Cass, 2nd by Gary.
        i. Vote approved unanimously.

5) REVIEW OF NEW PROPOSED AMENDMENTS:

a. **R311.2.2** Alterations, Repairs, and Additions (IRC 24)
    1. Motion by Bob Flores to **add** "that are not fuel fired" to section R311.2.2 Exception 2. 1st by Gary, 2nd by Jeremy.
        i. Vote approved unanimously.

b. **R318.2** Egress Door (IRC 25)
    1. Motion by Billy Staten to **add** "of the pivoted balanced, or" to section R318.2. 1st by Jeremy, 2nd by Cass.
        i. Vote approved unanimously.

c. **P2801.5.1** Pan Size and Drain (IRC 26)
    1. Motion by Jon Pennington to add "When a pan drain is not provided, an approved water leak automatic shut off device shall be installed to the water supply system." to section P2801.5.1.
        i. No motion to bring amendment forward. Without a motion and a 2nd, the amendment cannot carry over to a vote, so the motion dies.

d. **E3901.4.2** Island and Peninsular Countertops and Work Surfaces (IRC 27)
    1. Motion by Jon Pennington to **strike** "provisions shall be provided at the island or peninsula for" and **add** "a chapter 3 wiring method shall be installed and supplied from a mall Appliance Branch Circuit to a Listed Outlet Box in the Peninsular or Island Cabinet at an Accessible Location, for future addition of a receptacle outlet to serve the island or peninsular countertop or work surface." to section E3901.4.2
        i. No motion to bring amendment forward. Without a motion and a 2nd, the amendment cannot carry over to a vote, so the motion dies.

6) REVIEW OF INCOMPLETE SUBMITTAL:

- Item was removed from the agenda with no discussion.

7) REVIEW OF PROPOSED AMENDMENT TO NOT MOVE FORWARD PREVIOUSLY APPROVED AMENDMENT:

a. **E3902.22** Arc Fault Circuit-Interrupter Protection for Branch Circuit Extensions (IRC 22)
    1. Motion by Jesse Olson to revisit previously approved amendment E3902.22. 1st by Jesse, no 2nd.
        i. Without a 2nd, the previously approved amendment cannot be revisited, so the motion dies.

8) NEXT MEETING DATE AND TIME:

- The next meeting to approve the minutes from today's meeting will be held virtually on Wednesday, 10/16/24 at 1:30 pm. A Teams invite will be sent out virtually to all voting members.

9) ADJOURNMENT:

- Motion to adjourn the meeting, 1st by Billy, 2nd by Gary. Meeting adjourned at 12:58 by Daniela Monteiro.

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 5 **Jurisdiction Votes: Y**

Committee: IRC **Industry Votes: Y**

Code Section: CHAPTER 11

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike out~~ portions amended or deleted. Underline added text.

Amend Section Chapter 11 to read as follows:

Chapter 11-Energy Efficiency

For residential energy efficiency requirements, reference the residential amendments of the most current adopted International Energy Conservation Code (IECC).

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition

__Compatibility X__Area standard practice

Documentation

Provide statistics, studies or supporting documents.

Cost analysis

State if amendment will increase or decrease building costs. Industry member should supply approximate cost (increase or decrease) of amendment.

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 8 **Jurisdiction Votes: Y**

Committee: IRC **Industry Votes: Y**

Code Section: G2404 (301)

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike out~~ portions amended or deleted. Underline added text.

*Add Section **G2404.12 (301.17)** to Section **G2404 (301) General**, to read as:*

G2404.12 (301.17) Snow hazard. On any new gas installation or reconnecting the gas service of an existing installation, gas meters above 5,800 feet in elevation in Carson City, Douglas County, Storey County, and Washoe County must be protected from falling, sliding and accumulating of snow, unless the gas meter is installed in a protected location such as under an engineered deck, roof or shed. Engineered decks, roofs, or sheds shall be enclosed on all sides when used to protect gas meters on the snow shedding sides of a structure as approved by the gas utility.

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition
__Compatibility X__Area standard practice

Documentation

Provide statistics, studies or supporting documents.

Cost analysis

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 18 **Jurisdiction Votes: Y**

Committee: IRC **Industry Votes: Y**

Code Section: E3601.6.2

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike-out~~ portions amended or deleted. Underline added text.

*Amend Section **E3601.6.2** to read as:*

E3601.6.2 Service disconnect location. The service disconnecting means shall be installed at a readily accessible location ~~either~~ outside of a building or structure ~~inside~~ nearest the point of entrance of the service conductors. ~~Service disconnecting means shall not be installed in bathrooms. Each occupant shall have access to the disconnect~~ serving the dwelling unit in which ~~they reside.~~ The disconnecting means may be located independent of the building or structure served, in direct line of sight, but not to exceed thirty (30) feet.

Exception: The service disconnecting means may be installed within a building when an external remote shunt trip switch is provided. All shunt trip switches shall be located at seven feet (7') above finish grade at a location approved by the fire department. All shunt trip switches shall be located within twelve inches (12") equilateral triangle, red in color.

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition
__Compatibility X_Area standard practice

Documentation

Provide statistics, studies or supporting documents.

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 2 **Jurisdiction Votes: Y**

Committee: IRC **Industry Votes: Y**

Code Section: Table R301.2(1)

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike out~~ portions amended or deleted. Underline added text.

Amend Table R301.2(1)

TABLE R301.2—CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD[e]	WIND DESIGN				SEISMIC DESIGN CATEGORY[f]	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDERLAYMENT REQUIRED[h]	FLOOD HAZARDS[g]	AIR FREEZING INDEX[i]	MEAN ANNUAL TEMP[j]
	Speed[d] (mph)	Topographic effects[k]	Special wind region[l]	Windborne debris zone[m]		Weathering[a]	Frost line depth[b]	Termite[c]				
—	—	—	—	—	—	—	—	—	—	—	—	—
MANUAL J DESIGN CRITERIA[n]												
Elevation			Altitude correction factor[o]	Coincident wet bulb	Indoor winter design relative humidity	Indoor winter design dry-bulb temperature			Outdoor winter design dry-bulb temperature		Heating temperature difference	
—			—	—	—	—			—		—	
Latitude			Daily range	Summer design gains	Indoor summer design relative humidity	Indoor summer design dry-bulb temperature			Outdoor summer design dry-bulb temperature		Cooling temperature difference	
—			—	—	—	—			—		—	

For SI: 1 pound per square foot = 0.0479 kPa, 1 mile per hour = 0.447 m/s.

a. Where weathering requires a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code, the frost line depth strength required for weathering shall govern. The weathering column shall be filled in with the weathering index, "negligible," "moderate" or "severe" for concrete as determined from Figure R301.2(1). The grade of masonry units shall be determined from ASTM C34, ASTM C55, ASTM C62, ASTM C73, ASTM C90, ASTM C129, ASTM C145, ASTM C216 or ASTM C652.

b. Where the frost line depth requires deeper footings than indicated in Figure R403.1(1), the frost line depth strength required for weathering shall govern. The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.

c. The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local subterranean termite damage.

d. The jurisdiction shall fill in this part of the table with the wind speed from the ultimate design wind speeds map [Figure R301.2(2)]. Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1.4.

e. The jurisdiction shall fill in this section of the table to establish the design criteria using Table 10A from ACCA Manual J or established criteria determined by the jurisdiction.

f. The jurisdiction shall fill in this part of the table with the seismic design category determined from Section R301.2.2.1.

g. The jurisdiction shall fill in this part of the table with: the date of the jurisdiction's entry into the National Flood Insurance Program (date of adoption of the first code or ordinance for management of flood hazard areas); and the title and date of

the currently effective Flood Insurance Study or other flood hazard study and maps adopted by the authority having jurisdiction, as amended.

h. In accordance with Sections R905.1.2, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall fill in this part of the table with "NO."

i. The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index (BF-days) from Figure R403.3(2) or from the 100-year (99 percent) value on the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)."

j. The jurisdiction shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)."

k. In accordance with Section R301.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

l. In accordance with Figure R301.2(2), where there is local historical data documenting unusual wind conditions, the jurisdiction shall fill in this part of the table with "YES" and identify any specific requirements. Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

m. In accordance with Section R301.2.1.2 the jurisdiction shall indicate the wind-borne debris wind zone(s). Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

n. The jurisdiction shall fill in these sections of the table to establish the design criteria using Table 1a or 1b from ACCA Manual J or established criteria determined by the jurisdiction.

o. The jurisdiction shall fill in this section of the allowable stress design table using the Ground Snow Loads in Figure R301.2(3).

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition

__Compatibility X__Area standard practice

Documentation

Provide statistics, studies or supporting documents.

Cost analysis

State if amendment will increase or decrease building costs. Industry member should supply approximate cost (increase or decrease) of amendment.

None

2024 Northern Nevada Amendments Appendix

Appendix Table R301.2(1)

Carson City

Ground Snow Load [O]	Wind Design				Seismic Design Category [f]	Subject to Damage From			Winter Design Temp [e]	Ice Barrier Underlayment Required [h]	Flood Hazards [g]	Air Freezing Index [i]	Mean Annual Temp [j]
	Speed [d] (MPH)	Topographic Effects [k]	Special Wind Region [l]	Windbourne Debris Zone [m]		Weathering [a]	Frost Line Depth [b]	Termite [c]					
See IBC Table 1608.2.1	120	No	Yes	No	D2	Severe	24"	Moderate To Heavy	9^0 F	Yes above 5500'	Varies. See Engineering Dept	444	50.2^0F

~~**Manual J Design Criteria**~~

City of Fernley

Ground Snow Load [O]	Wind Design				Seismic Design Category [f]	Subject to Damage From			Winter Design Temp [e]	Ice Barrier Underlayment Required [h]	Flood Hazards [g]	Air Freezing Index [i]	Mean Annual Temp [j]
	Speed [d] (MPH)	Topographic Effects [k]	Special Wind Region [l]	Windbourne Debris Zone [m]		Weathering [a]	Frost Line Depth [b]	Termite [c]					
See IBC Table 1608.2.1	115	No	No	No	D1	Severe	18"	Moderate To Heavy	11^0F	No	(a)06/04/2003 (b)11/20/1998 Firm	594	49.4^0F

~~**Manual J Design Criteria**~~

City of Reno

Ground Snow Load [O]	Wind Design				Seismic Design Category [f]	Subject to Damage From			Winter Design Temp [e]	Ice Barrier Underlayment Required [h]	Flood Hazards [g]	Air Freezing Index [i]	Mean Annual Temp [j]
	Speed [d] (MPH)	Topographic Effects [k]	Special Wind Region [l]	Windbourne Debris Zone [m]		Weathering [a]	Frost Line Depth [b]	Termite [c]					
See IBC Table 1608.2.1	120	No	Yes	No	D2	Severe	24"	Moderate To Heavy	17^0F	Yes above 5300'	See RMC 18.12.1701	594	49.4^0F

~~**Manual J Design Criteria**~~

City of Sparks

Ground Snow Load [O]	Wind Design				Seismic Design Category [f]	Subject to Damage From			Winter Design Temp [e]	Ice Barrier Underlayment Required [h]	Flood Hazards [g]	Air Freezing Index [i]	Mean Annual Temp [j]
	Speed [d] (MPH)	Topographic Effects [k]	Special Wind Region [l]	Windbourne Debris Zone [m]		Weathering [a]	Frost Line Depth [b]	Termite [c]					
See IBC Table 1608.2.1	120	No	Yes	No	D2	Severe	24”	Moderate To Heavy	17^0F	No	See SMC 15.11	594	49.4^0F

~~Manual J Design Criteria~~

Douglas County

Ground Snow Load [O]	Wind Design				Seismic Design Category [f]	Subject to Damage From			Winter Design Temp [e]	Ice Barrier Underlayment Required [h]	Flood Hazards [g]	Air Freezing Index [i]	Mean Annual Temp [j]
	Speed [d] (MPH)	Topographic Effects [k]	Special Wind Region [l]	Windbourne Debris Zone [m]		Weathering [a]	Frost Line Depth [b]	Termite [c]					
See IBC Table 1608.2.1	120	No	Yes	No	D2	Severe	18”< 6000’ 24”> 6000’	Moderate To Heavy	4^0F	Yes above 5300’	Douglas County Title 20 Chapter 20.50	647	48.8^0F

~~Manual J Design Criteria~~

Lyon County

Ground Snow Load [O]	Wind Design				Seismic Design Category [f]	Subject to Damage From			Winter Design Temp [e]	Ice Barrier Underlayment Required [h]	Flood Hazards [g]	Air Freezing Index [i]	Mean Annual Temp [j]
	Speed [d] (MPH)	Topographic Effects [k]	Special Wind Region [l]	Windbourne Debris Zone [m]		Weathering [a]	Frost Line Depth [b]	Termite [c]					
See IBC Table 1608.2.1	115	No	No	No	D1	Severe	18”	Moderate To Heavy	11^0F	No	Lyon Co. Title 12	445	51.2^0F

~~Manual J Design Criteria~~

Pershing County

Ground Snow Load [O]	Wind Design				Seismic Design Category [f]	Subject to Damage From			Winter Design Temp [e]	Ice Barrier Underlayment Required [h]	Flood Hazards [g]	Air Freezing Index [i]	Mean Annual Temp [j]
	Speed [d] (MPH)	Topographic Effects [k]	Special Wind Region [l]	Windbourne Debris Zone [m]		Weathering [a]	Frost Line Depth [b]	Termite [c]					
See IBC Table 1608.2.1	See IBC 1609.3.2				D2	Severe	36"	Slight To None	1^0F	Yes above 5300'	June 4, 2003	594	49.4^0F

~~Manual J Design Criteria~~

Storey County

Ground Snow Load [O]	Wind Design				Seismic Design Category [f]	Subject to Damage From			Winter Design Temp [e]	Ice Barrier Underlayment Required [h]	Flood Hazards [g]	Air Freezing Index [i]	Mean Annual Temp [j]
	Speed [d] (MPH)	Topographic Effects [k]	Special Wind Region [l]	Windbourne Debris Zone [m]		Weathering [a]	Frost Line Depth [b]	Termite [c]					
See IBC Table 1608.2.1	115	No	No	No	D1	Severe	18"	Moderate To Heavy	18^0F	Yes above 5500'	See SCC 15.20	594	49.4^0F

~~Manual J Design Criteria~~

Washoe County

Ground Snow Load [O]	Wind Design				Seismic Design Category [f]	Subject to Damage From			Winter Design Temp [e]	Ice Barrier Underlayment Required [h]	Flood Hazards [g]	Air Freezing Index [i]	Mean Annual Temp [j]
	Speed [d] (MPH)	Topographic Effects [k]	Special Wind Region [l]	Windbourne Debris Zone [m]		Weathering [a]	Frost Line Depth [b]	Termite [c]					
	120	No	Yes	No	D2	Severe	24"	Moderate To Heavy	17^0F	Yes above 5300'	See WCC Chapter 110	594	49.4^0F

~~Manual J Design Criteria~~

For SI: 1 pound per square foot = 0.0479 kPa, 1 mile per hour = 0.447 m/s

a. Where weathering requires a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code, the frost line depth strength required for weathering shall govern. The weathering column shall be filled in with the weathering index, "negligible," "moderate" or "severe" for concrete as determined from Figure R301.2(1). The grade of masonry units shall be determined from ASTM C34, ASTM C55, ASTM C62, ASTM C73, ASTM C90, ASTM C129, ASTM C145, ASTM C216 or ASTM C652.

b. Where the frost line depth requires deeper footings than indicated in Figure R403.1(1), the frost line depth strength required for weathering shall govern. The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.

c. The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local subterranean termite damage.

d. The jurisdiction shall fill in this part of the table with the wind speed from the ultimate design wind speeds map [Figure R301.2(2)]. Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1 **or established criteria determined by the jurisdiction.**

e. The jurisdiction shall fill in this section of the table to establish the design criteria using Table 10A from ACCA Manual J or established criteria determined by the jurisdiction.

f. The jurisdiction shall fill in this part of the table with the seismic design category determined from Section R301.2.2.1 **or established criteria determined by the jurisdiction.**

g. The jurisdiction shall fill in this part of the table with: the date of the jurisdiction's entry into the National Flood Insurance Program (date of adoption of the first code or ordinance for management of flood hazard areas); and the title and date of the currently effective Flood Insurance Study or other flood hazard study and maps adopted by the authority having jurisdiction, as amended.

h. In accordance with Sections R905.1.2, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall fill in this part of the table with "NO."

i. The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index (BF-days) from Figure R403.3(2) or from the 100-year (99 percent) value on the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)."

j. The jurisdiction shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)."

k. In accordance with Section R301.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

l. In accordance with Figure R301.2(2), where there is local historical data documenting unusual wind conditions, the jurisdiction shall fill in this part of the table with "YES" and identify any specific requirements. Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

m. In accordance with Section R301.2.1.2 the jurisdiction shall indicate the wind-borne debris wind zone(s). Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

n. The jurisdiction shall fill in these sections of the table to establish the design criteria using Table 1a or 1b from ACCA Manual J or established criteria determined by the jurisdiction.

o. The jurisdiction shall fill in this section of the allowable stress design table using the Ground Snow Loads in Figure R301.2(3).

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 6 **Jurisdiction Votes: Y**

Committee: IRC **Industry Votes: Y**

Code Section: M1503.6

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike out~~ portions amended or deleted. Underline added text.

*Amend Section **M1503.6** to read as follows:*

M1503.6 Makeup air required. Where one or more gas, liquid or solid fuel-burning appliance that is neither direct-vent nor uses a mechanical draft venting exhaust system is located within a dwelling unit's air barrier, each exhaust system capable of exhausting in excess of ~~400~~ 600 cubic feet per minute (~~0.19~~ 0.28 m_3/s) shall be mechanically or passively provided with makeup air at a rate approximately equal to the exhaust rate, and shall be automatically controlled to start and operate simultaneously with the exhaust system. Such makeup air systems shall be equipped with not fewer than one outdoor air duct and damper complying with Section M1503.6.2.
Exception: Makeup air is not required for exhaust systems installed for the exclusive purpose of space cooling and intended to be operated only when windows or other air inlets are open.

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition
__Compatibility X__Area standard practice

Documentation

Provide statistics, studies or supporting documents.

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 23 **Jurisdiction Votes: Y**

Committee: IRC **Industry Votes: Y**

Code Section: R403.1.4.1

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike out~~ portions amended or deleted. Underline added text.

*Amend Section **R403.1.4** to read:*

R403.1.4.1 Frost protection. Except where otherwise protected from frost, foundation walls, piers and other permanent supports of buildings and structures shall be protected from frost by one or more of the following methods:

1. Extended below the frost line specified in Table R301.2.
2. Constructed in accordance with Section R403.3.
3. Constructed in accordance with ASCE 32.
4. Erected on solid rock.

Footings shall not bear on frozen soil unless the frozen condition is permanent.

Exceptions:

1. Protection of free-standing accessory structures with an area of 600 square feet (56 m^2) or less, of light-frame construction, with an eave height of 10 feet (3048 mm) or less shall not be required.
2. Protection of free-standing accessory structures with an area of 400 square feet (37 m^2) or less, of other than light-frame construction, with an eave height of 10 feet (3048 mm) or less shall not be required.
3. For patio covers supported on a concrete slab-on-grade without footings, the slab shall conform to the provisions of Section R506, shall be not less than 3.5 inches (89 mm) thick and the columns shall not support live or dead loads in excess of 750 pounds (3.34 kN) per column.

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition

__Compatibility X_Area standard practice

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 24 **Jurisdiction Votes: Y**

Committee: IRC **Industry Votes: Y**

Code Section: Section R311.2.2

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike out~~ portions amended or deleted. Underline added text.

Amend Section R311.2.2 to read:

R311.2.2 Alterations, repairs and additions. Where *alterations, repairs* or *additions* requiring a *permit* occur, the *individual dwelling* unit shall be equipped with *carbon monoxide alarms* located as required for new *dwellings*.

Exceptions:

1. Work involving the exterior surface of *dwellings*, such as the replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck.
2. Installation, *alteration* or repairs of plumbing systems~~.~~ that are not fuel fired.
3. Installation, *alteration* or repairs of *mechanical systems* that are not fuel fired.

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition

__Compatibility X__Area standard practice

Documentation

Provide statistics, studies or supporting documents.

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 25 **Jurisdiction Votes: Y**

Committee: IRC **Industry Votes: Y**

Code Section: R318.2

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike out~~ portions amended or deleted. Underline added text.

*Amend Section **R318.2** to read:*

R311.2 Egress door. Not less than one egress door shall be provided for each dwelling unit. The egress door shall be of the pivoted, balanced, or side-hinged swinging type, and shall provide a clear width of not less than 32 inches (813 mm) where measured between the face of the door and the stop, with the door open 90 degrees (1.57 rad). The clear height of the door opening shall be not less than 78 inches (1981 mm) 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. Egress doors shall be readily openable from inside the dwelling without the use of a key or special knowledge or effort.

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition
_X_Compatibility _Area standard practice

To align with the 2024 IBC

Documentation

Provide statistics, studies or supporting documents.

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 26 **Jurisdiction Votes: Y N**

Committee: **Industry Votes: Y N**

Code Section:

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike out~~ portions amended or deleted. Underline added text.

P2801.5.1 **Pan size and drain.** The pan shall be not less than 1 1/2 inches (38mm) deep and shall be of sufficient size and shape to receive dripping or condensate from the tank or water heater. The pan shall be drained be an indirect waste pipe of not less than ¾ inch (19mm) diameter. Piping for safety pan drains shall be of those materials indicated in Table P2906.5
Where a pan drain was not previously installed, a pan drain shall not be required for a replacement water heater installation. When a pan drain is not provided, an approved water leak automatic shut off device shall be installed to the water supply system.

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition
_X_Compatibility __Area standard practice

This technology is readily available at a minimal cost and the possible damage and life safety for a leaking water heater or tank falling due to floor damage is a preventative service to the citizens. Also, the cost of damage in general from a leaking water heater or tank is preventable.

Documentation

Provide statistics, studies or supporting documents.

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 27 **Jurisdiction Votes:**

Committee: **Industry Votes:**

Code Section: E3901.4.2

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike out~~ portions amended or deleted. Underline added text.

E3901.4.2 Island and Peninsular Countertops and Work Surfaces. Receptacle outlets, if installed to serve an island or peninsular countertop or work surface, shall be installed in accordance with E3901.4.2 If a receptacle outlet is not provided to serve an island or peninsular countertop or work surface, ~~provisions shall be provided at the island or peninsula for~~ a chapter 3 wiring method shall be installed and supplied from a Small Appliance Branch Circuit to a Listed Outlet Box in the Peninsular or Island Cabinet at an Accessible Location, for future addition of a receptacle outlet to serve the island or peninsular countertop or work surface.

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition
__Compatibility __Area standard practice

To clarify what the provisions are for positive options for enforcement and approval.

Documentation

Provide statistics, studies or supporting documents.

NORTHERN NEVADA
2024 CODE AMENDMENT
JUSTIFICATION FORM

Amendment No: IRC 22 **Jurisdiction Votes: Y N**

Committee: **Industry Votes: Y N**

Code Section:

State proposed amendment

Include the entire text of the code section to be amended. ~~Strike out~~ portions amended or deleted. Underline added text.

E3902.17 [NEC 210.12(D] Arc-fault circuit-interrupter protection for branch circuit extensions or modifications Section

E3902.17 [NEC 210.12(D) is **NOT** to be deleted:

E3902.17 Arc-fault circuit interrupter protection for branch circuit extensions or modifications. Where branch circuit wiring is modified, replaced or extended in any of the areas specified in Section E3902.12, the branch circuit shall be protected by one of the following:

1. A combination-type AFCI located at the origin of the branch circuit.
2. An outlet branch-circuit type AFCI located at the first receptacle out of the existing branch circuit.

Exception: AFCI protection shall not be required where the extension of the existing conductors is not more than 6 feet (1.8 m) in length and does not include any additional outlets or devices. [201.12(D) Exception]

Supporting statement

Indicate if this amendment is:

__Omission __Local environment condition
__Compatibility _x_Area standard practice

Documentation

Provide statistics, studies or supporting documents.

Whereas, The Consumer Product Safety Commission estimates that 50% of home electrical fires can be prevented by proper AFCI protection,

And Whereas, the greatest need for AFCI protection is in older homes with aging wiring,

And Whereas, E3902.17 and NEC 210.12(D) specifically address existing homes where wiring is "modified, replaced or extended…,"

And Whereas, an AFCI breaker or receptacle costs no more than GFCI protection, that is widely accepted in the industry and by AHJs as a required life-saving device,

And Whereas, the only issue making this requirement cost prohibitive to a homeowner is the breaker space requirement that could trigger the need for a panel replacement,

And Whereas, this issue has already been addressed by the CMP for the 2011 NEC,

And Whereas, AFCI technology has greater improved, reducing the occurrence of nuisance tripping due to noise,

And Whereas, training is readily available for contractors and other installers to better understand the technology and troubleshooting methods,

And Whereas, AFCI technology can prevent a fire BEFORE it occurs.

there are no longer valid reasons for the industry and the local jurisdictions to ignore this life and fire safety device.

Cost analysis

State if amendment will increase or decrease building costs. Industry member should supply approximate cost (increase or decrease) of amendment.

As stated above the average cost of an AFCI breaker is $40, and avg. cost of an AFCI receptacle is $23, which is comparable to the same GFCI protection that is already required and commonly accepted.