202 BASIC WIND SPEED

Errata 2021 IRC Chapter 2-DEFINITIONS

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st and 2nd Printings

Section/Table/Figure Number: BASIC WIND SPEED

Posted: August 5, 2022

Correction:

[RB] BASIC WIND SPEED. Three-second gust speed at 33 feet (10 058 mm) above the ground in Exposure C (see Section R301.2.1) as given in Figure ~~R301.2(5)A~~ R301.2(2).

Correlation Notes: None

202 CONTINUOUSLY BURNING PILOT LIGHT

Errata IRC Chapter 2-DEFINITIONS

Code/Standard: International Residential Code

Applies to following Printings: 1st and 2nd Printings

Section/Table/Figure Number: CONTINUOUSLY BURNING PILOT LIGHT

Posted: December 14, 2021

Correction:

CONTINUOUSLY BURNING PILOT LIGHT. For the definitions applicable in Chapter 11, see Section N1101.6

Correlation Notes: None

202 EXTERIOR WALL

Errata IRC Chapter 2

Code/Standard: International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: EXTERIOR WALL

Posted: November 15, 2021

Correction:

RB] ~~**[RE]**~~ **EXTERIOR WALL.** An above-*grade* wall that defines the exterior boundaries of a building. Includes between-floor spandrels, peripheral edges of floors, roof and *basement* knee walls, dormer walls, gable end walls, walls enclosing a mansard roof and *basement walls* with an average below-*grade* wall area that is less than 50 percent of the total opaque and nonopaque area of that enclosing side.

For the definition applicable in Chapter 11, see Section N1101.6.

Correlation Notes: None

202 FIREPLACE

Errata IRC Chapter 2-DEFINITIONS

Code/Standard: International Residential Code

Applies to following Printings: 1st and 2nd Printings

Section/Table/Figure Number: FIREPLACE

Posted: January 14, 2022

Correction:

[RB] FIREPLACE. An assembly consisting of a hearth and fire chamber of noncombustible material and provided with a chimney, for use with solid fuels.

Factory-built fireplace. A *listed* and *labeled* fireplace and chimney system composed of factory-made components, and assembled in the field in accordance with manufacturer's instructions and the conditions of the listing.

Masonry fireplace. A field-constructed fireplace composed of *solid masonry* units, bricks, stones or concrete.

Correlation Notes: None

202 WINDBORNE DEBRIS REGION

Errata 2021 IRC Chapter 2-DEFINITIONS

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st and 2nd Printings

Section/Table/Figure Number: WINDBORNE DEBRIS REGION

Posted: October 28, 2022

Correction:

WINDBORNE DEBRIS REGION. Areas within hurricane-prone regions located in accordance with one of the following:
1. Within 1 mile (1.61 km) of the ~~coastal~~ mean high water line where an Exposure D condition exists upwind at the water line and the ultimate design wind speed, V_{ult}, is 130 mph (58 m/s) or greater.
2. In areas where ~~an Exposure D condition exists upwind at the waterlne and~~ the ultimate design wind speed, V_{ult}, is 140 mph (63 m/s) or greater; or Hawaii.

Correlation Notes: RB39-19 Part II

Table R301.2

Errata IRC Table R301.2

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: Table R301.2

Posted: Revised July 1, 2022

Correction:

TABLE R301.2
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD[o]	WIND DESIGN				SEISMIC DESIGN CATEGORY[f]	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDERLAYMENT REQUIRED[h]	FLOOD HAZARDS[g]	AIR FREEZING INDEX[i]	MEANANNUALTEMP[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[e]	Coincident wet bulb	Indoor winter design ~~dry-bulb temperature~~ relative humidity	Indoor winter design dry-bulb temperature			Outdoor winter design dry-bulb temperture		**Heating temperature difference**	
—			—	—	—	—			—		—	
Latitude			Daily range	Indoor summer design relative humidity	~~Indoor winter design dry-bulb temperature~~ Summer	Indoor summer design dry-bulb temperature			Outdoor summer design dry-bulb temperature		Cooling temperature difference	

			design grains			
—	—	—	—	—	—	—

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

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.

Portions of table and notes not shown remain unchanged

Correlation Notes: RB33-19

Table R301.2.1(1)

Errata IRC Table R301.2.1(1)

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: Table R301.2.1(2)

Posted: September 14, 2021

Correction:

TABLE R301.2.1(1)
COMPONENT AND CLADDING LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B (ASD) (psf) [a, b, c, d, e, f, g]

ZONE	EFFECTIVE WIND AREAS (square feet)	ULTIMATE DESIGN WIND SPEED, V_{ult}											
		90.0	95.0	~~105.0~~ 100.0	~~115.0~~ 105.0	~~130.0~~ 110.0	~~150.0~~ 1115.0	~~170.0~~ 120.0	~~95.0~~ 130.0	~~105.0~~ 140.0	~~115.0~~ 150.0	~~130.0~~ 160.0	~~150.0~~ 170.0	~~170.0~~ 180.0

Remainder of table and notes unchanged

Correlation Notes: RB35-19

Table R301.5

Errata IRC Table R301.5

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: Table R301.5

Posted: January 21, 2022

Correction:

TABLE R301.5
MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS (in pounds per square foot)

USE	UNIFORM LOAD (psf)	CONCENTRATED LOAD (lb)
Handrail[d]	~~200~~[h]	200[h]

TABLE R301.5
MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS (in pounds per square foot)

USE	UNIFORM LOAD (psf)	CONCENTRATED LOAD (lb)
Passenger vehicle garages[~~a~~]	**50**[~~a~~]	**2,000**[~~h~~] [a]

Table rows and notes not shown remain unchanged

Correlation Notes: RB49-19 (AMPC1) and RB48-19 (AS)

R317.2

Errata 2021 IRC R317.2

Code/Standard: International Residential Code

Applies to following Printings: 1st and 2nd Printings

Section/Table/Figure Number: R317.2

Posted: January 21, 2022

Correction:

R317.2 Quality Mark
Lumber and plywood required to be pressure-preservative treated in accordance with Section ~~R318.1~~ R317.1 shall bear the quality mark of an approved inspection agency that maintains continuing supervision, testing and inspection over the quality of the product and that has been approved by an accreditation body that complies with the requirements of the American Lumber Standard Committee treated wood program.

Correlation Notes: None

R322.3.7

Errata IRC R322.3.7

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: R322.3.7

Posted: September 14, 2021

Correction:

R322.3.7Stairways and ramps. *Stairways* and *ramps* that are located below the lowest floor elevations specified in Section R322.3.2 shall comply with one or more of the following:

1. 1.Be designed and constructed with open or partially open *risers* and *guards*.
2. 2.*Stairways* and *ramps* not part of the required means of egress shall be designed and constructed to break away during design flood conditions without causing damage to the building or structure, including foundation.
3. 3.Be retractable, or able to be raised to or above the lowest floor elevation, provided that the ability to be retracted or raised prior to the onset of flooding is not contrary to the means of egress requirements of the code.
4. 4.Be designed and constructed to resist flood loads and minimize transfer of flood loads to the building or structure, including foundation.

Areas below *stairways* and *ramps* shall not be enclosed with walls below the elevation required in Section R322.3.2 ~~elevation~~ unless such walls are constructed in accordance with Section R322.3.5.

Correlation Notes:

FIGURE R507.5.1(2)

Errata IRC Chapter 5

Code/Standard/commentary: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: FIGURE R507.5.1(2)
Posted: September 15, 2021

Correction:

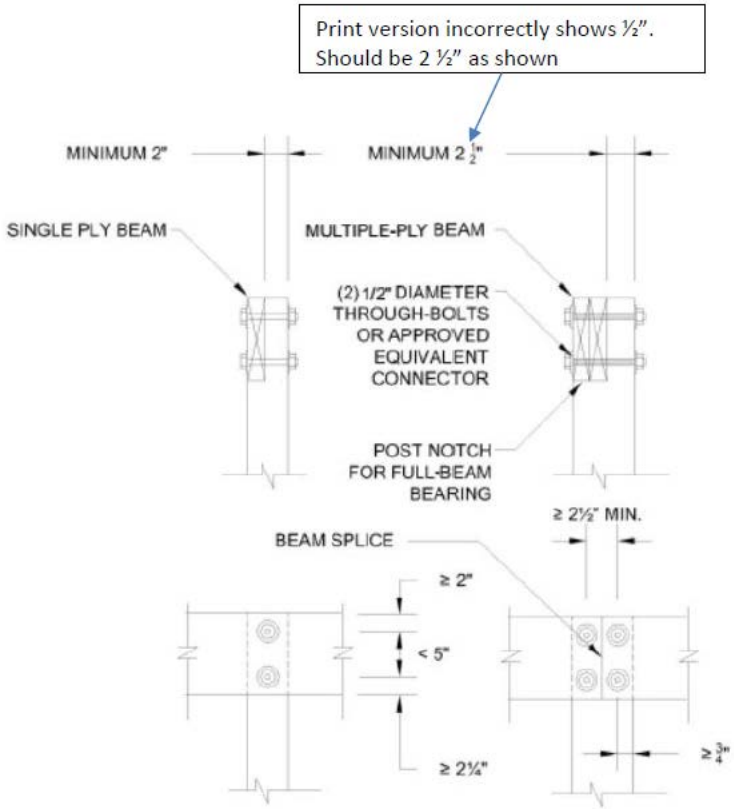


FIGURE R507.5.1(2)
NOTCHED POST-TO-BEAN CONNECTION

Correlation Notes: See Figure R507.5.1(2) in IRC 2018

TABLE R602.3(1)

Errata IRC Chapter 6

Code/Standard/commentary: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: TABLE R602.3(1)
Posted: September 15, 2021, August 5, 2022

Correction:

TABLE R602.3(1)
FASTENING SCHEDULE

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER[a, b, c]	SPACING AND LOCATION
Roof			
19	1″ brace to each stud and plate	3-8d box (2½″ × 0.113″); or 2-8d common (2½″ × 0.131″); or 2-(3″ x 0.131″): or 2-10d box (3″ × 0.128″)~~; or~~ ~~2 staples 1¾″~~	Face nail
30	Bridging or blocking to joist, rafter or truss	2-10d box (3″ × 0.128″); or 2-8d common (2½″ × 0.131″); or 2-3″ × 0.131″ nails	Each end, toe nail
ITEM	**DESCRIPTION OF BUILDING ELEMENTS**	**NUMBER AND TYPE OF FASTENER[a, b, c]**	**SPACING OF FASTENERS** **Edges[h] (inches)** / **Intermediate supports[c, e] (inches)**
Wood structural panels, subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing [see Table R602.3(3) for wood structural panelexterior wall sheathing to wall framing]			

continued

31	3/8″ – 1/2″	6d common or deformed (2″ × 0.113″ × 0.266″ head); or 2 3/8″ × 0.113″ × 0.266″ head nail (subfloor, wall)[i]	6	12 ~~6[f]~~
		8d common (2 1/2″ × 0.131″) nail (roof); or RSRS-01 (2 3/8″ × 0.113″) nail (roof)[b]	6 2 ½″	6[f]
32	19/32″ – 3/4″	8d common (~~2-2 1/2″~~ × 0.131″) nail (subfloor, wall)	6	12
		8d common (2 1/2″ × 0.131″) nail (roof); or RSRS-01; (2 3/8″ × 0.113″) nail (roof)[b]	6[f] ~~6~~	6[f]
		Deformed 2 3/8″ × 0.113″ × 0.266″ head (wall or subfloor)	6	12

36	1/2″ gypsum sheathing[d]	~~1 1/2″ × 0.120″ galvanized roofing nail, 7/16″ head diameter, or 1 1/4″long 16 ga.; staple galvanized, 1 1/2″ long; 7/16″ or 1″ crown or 1 1/4″ screws, Type W or S~~	7	7
37	5/8″ gypsum sheathing[d]	~~1 3/4″ × 0.120″ galvanized roofing nail, 7/16″ head diameter, or 1 1/4″ long 16 ga.; staple galvanized, 1 1/2″ long; 7/16″ or 1″ crown or 1 1/4″ screws, Type W or S~~	7	7

1 1/2″ × 0.120″ galvanized roofing nail, 7/16″ head diameter; or 16 ga. staple galvanized, 1 1/2″ long, 7/16″ or 1″ crown; or 1 1/4″ screws, Type W or S

1 3/4″ × 0.120″ galvanized roofing nail, 7/16″ head diameter; or 16 ga. staple galvanized, 1 5/8″ long, 7/16″ or 1″ crown; or 1 5/8″ screws, Type W or S

Other wall sheathing[g]				
39	7/8″ – 1″	8d common (2 1/2″ × 0.131″) nail; or Deformed (~~2″ × 0.113″~~	6	12

		2 ½" x 0.131"); or Deformed (2½" × 0.120") nail		
40	1⅛" – 1¼"	10d common (3" × 0.148") nail; or Deformed (~~2" × 0.113"~~ 2 ½" x 0.131"); or Deformed (2½" × 0.120") nail	6	12

Portions of table not shown and notes remain unchanged.

Correlation Notes: Table R602.3(1) in 2018 IRC and RB193-19 AM/AMPC2

Table R602.10.3(1)

Errata 2021 IRC Table R602.10.3(1)

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st and 2nd Printing

Section/Table/Figure Number: Table R602.10.3(1)

Posted: August 5, 2022

Correction:

PFG

TABLE R602.10.3(1) BRACING REQUIREMENTS BASED ON WIND SPEED

• EXPOSURE CATEGORY B • 30-FOOT MEAN ROOF HEIGHT • 10-FOOT WALL HEIGHT • 2 BRACED WALL LINES			MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE[a]			
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing[c] (feet)	Method LIB[b]	Method GB	Methods DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP, ABW, PFH, ~~PFG~~, CS-SFB	Methods CS-WSP, CS-G, CS-PF

Remainder of table and notes unchanged

Correlation Notes: RB93-13

R606.12

Errata Chapter 6

Code/Standard/commentary: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: Section R606.12

Posted: November 1, 2021

Correction:

R606.12 Seismic requirements. The seismic requirements of this section shall apply to the design of masonry and the construction of masonry building elements located in *Seismic Design Category* D0, D1 or D2. Townhouses in *Seismic Design Category* C shall comply with the requirements of Section R606.12.2. These requirements shall not apply to glass unit masonry conforming to Section ~~R610~~ R607, anchored masonry veneer conforming to Section R703.8 or adhered masonry veneer conforming to Section R703.12.

Correlation Notes:

Table R608.7.1.1(3)

Errata 2021 IRC Table R608.7.1.1(3)

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st and 2nd Printing

Section/Table/Figure Number: Table R608.7.1.1(3)

Posted: January 31, 2022

Correction:

TABLE R608.7.1.1(3)—continued
UNREDUCED LENGTH, *UR*, OF SOLID WALL REQUIRED IN EACH EXTERIOR SIDEWALL FOR WIND PARALLEL TO RIDGE[a, c, d, e, f, g]

SIDEWALL LENGTH (feet)	ENDWALL LENGTH (feet)	ROOF SLOPE	UNREDUCED LENGTH, *UR*, OF SOLID WALL REQUIRED IN SIDEWALLS FOR WIND PARALLEL TO RIDGE (feet)						
			Basic Wind Speed (mph) Exposure						
			115B	120B	130B	140B	150B	160B	Minimum[b]
			—	—	110C	119C	127C	136C	
			—	—	—	110D	117D	125D	
			First story of two story						
	15	< 1:12	3.03	3.30	3.88	4.49	5.16	5.87	2.52
		5:12	3.24	3.52	4.14	4.80	5.51	6.26	2.70

Table rows not shown and notes remain unchanged

Correlation Notes:

R703.2

Errata IRC Chapter 7

Code/Standard/commentary: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: R703.2
Posted: November 1, 2021

Correction:

R703.2 Water-resistive barrier. Not fewer than one layer of water-resistive barrier shall be applied over studs or sheathing of all exterior walls with flashing as indicated in Section R703.4, in such a manner as to provide a continuous *water-resistive barrier* behind the *exterior wall* veneer. The *water-resistive barrier* material shall be continuous to the top of walls and terminated at penetrations and building appendages in a manner to meet the requirements of the exterior wall envelope as described in Section R703.1. Water-resistive barrier materials shall comply with one of the following:

1. No. 15 felt complying with ASTM D226, Type 1
2. ASTM ~~E2568~~ E2556, Type 1 or 2
3. ASTM E331 in accordance with Section R703.1.1
4. Other approved materials in accordance with the manufacturer's installation instructions.

No.15 asphalt felt and water-resistive barriers complying with ASTM E2556 shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches (51 mm), and where joints occur, shall be lapped not less than 6 inches (152 mm).

Correlation Notes: None

Table R802.4.1(5)

Errata 2021 IRC Chapter 8 Roof-Ceiling Wood Construction

Code/Standard: 2021 IRC
Applies to following Printings: 1st through 2nd printings
Section/Table/Figure Number: Table R802.4.1(5)
Posted: February 25, 2022

Correction:

TABLE R802.4.1(5) (Ground snow load – 50psf, ceiling not attached to rafters, L/Δ -180)
RAFTER SPANS FOR COMMON LUMBER SPECIES

RAFTER SPACING (inches)	SPECIES AND GRADE		DEAD LOAD = 10 psf					DEAD LOAD = 20 psf				
			2 × 4	2 × 6	2 × 8	2 × 10	2 × 12	2 × 4	2 × 6	2 × 8	2 × 10	2 × 12
			Maximum rafter spans[a]									
			(feet - inches)	(feet - inches)	(feet - inches)	(feet - inches)	(feet - inches)	(feet - inches)	(feet - inches)	(feet - inches)	(feet - inches)	(feet - inches)
16	Douglas fir-larch	SS	7-8	12-1	15-11	19-9	22-10	7-8	11-10	14-11	18-3	21-2
	Douglas fir-larch	#1	7-1	10-5	13-2	16-1	18-8	6-7	9-8	12-2	14-11	17-3
	Douglas fir-larch	#2	6-9	9-10	12-6	15-3	17-9	6-3	9-2	11-7	14-2	16-5
	Douglas fir-larch	#3	5-2	7-7	9-7	11-18	13-6	4-9	7-0	8-10	10-10	12-6
	Hem-fir	SS	7-3	11-5	15-0	19-1	22-1					

Should be 11-8

Correlation Notes: RB248-13

Table R802.11

Errata 2021 IRC Chapter 8 Roof-Ceiling Wood Construction

Code/Standard: 2021 IRC

Applies to following Printings: 1st and 2nd printings

Section/Table/Figure Number: Table R802.11

Posted: April 1, 2022

Correction:

Should be C

TABLE R802.11—continued
RAFTER OR TRUSS UPLIFT CONNECTION FORCES FROM WIND (ASD) (POUNDS PER CONNECTION)[a, b, c, d, e, f, g, h]

RAFTER OR TRUSS SPACING	ROOF SPAN (feet)	EXPOSURE (B)									
		Ultimate Design Wind Speed V_{ULT} (mph)									
		110		115		120		130		140	
		Roof Pitch		Roof Pitch		Roof Pitch		Roof Pitch		Roof Pitch	
		< 5:12	≥ 5:12	< 5:12	≥ 5:12	< 5:12	≥ 5:12	< 5:12	≥ 5:12	< 5:12	≥ 5:12
24″ o.c.	12	190	176	220	204	252	236	322	302	396	372
	18	242	222	282	262	326	302	416	390	514	484
	24	296	272	346	320	400	370	512	478	634	596
	28	332	304	390	358	450	416	578	538	716	670
	32	368	336	432	398	498	462	642	598	796	746

Correlation Notes: Affects PRINT version only

R905.1.1

Errata IRC R905.1.1

Code/Standard: International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: R905.1.1

Posted: September 14, 2021

Correction:

R905.1.1 Underlayment. *Underlayment* for asphalt shingles, clay and concrete tile, metal roof shingles, mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles, wood shakes, metal roof panels and *photovoltaic shingles* shall conform to the applicable standards listed in this chapter. *Underlayment* materials required to comply with ASTM D226, D1970, D4869 and D6757 shall bear a label indicating compliance to the standard designation and, if applicable, type classification indicated in Table R905.1.1(1). *Underlayment* shall be applied in accordance with Table R905.1.1(2). *Underlayment* shall be attached in accordance with Table R905.1.1(3).

Exceptions:

1. As an alternative, self-adhering polymer-modified bitumen *underlayment* bearing a label indicating compliance with ASTM D1970 and installed in accordance with both the *underlayment* manufacturer's and roof covering manufacturer's instructions for the deck material, roof ventilation configuration and climate exposure for the roof covering to be installed, shall be permitted.
2. As an alternative, a minimum 4-inch-wide (102 mm) strip of self-adhering polymer-modified bitumen membrane bearing a label indicating compliance with ASTM D1970, installed in accordance with the *manufacturer's installation instructions* for the deck material, shall be applied over all joints in the roof decking. An approved underlayment complying with Table R905.1.1(1) for the applicable roof covering areas where wind design is not required in accordance with Figure R301.2.1.1 shall be applied over the entire roof over the 4-inch-wide (102 mm) membrane strips. Underlayment shall be applied in accordance with Table R905.1.1(2) using the application requirements for areas where wind design is not required in accordance with Figure R301.2.1.1. Underlayment shall be attached in accordance with Table R905.1.1(3).

Correlation Notes: RB274-19 AMPC1

Table R905.1.1(1)

Errata IRC Table R905.1.1(1)

Code/Standard: International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: Table R905.1.1(1)

Posted: September 14, 2021

Correction:

TABLE R905.1.1(1)
UNDERLAYMENT TYPES

ROOF COVERING	SECTION	AREAS WHERE WIND DESIGN IS NOT REQUIRED IN ACCORDANCE WITH FIGURE R301.2.1.1	AREAS WHERE WIND DESIGN IS REQUIRED IN ACCORDANCE WITH FIGURE R301.2.1.1
Asphalt shingles	R905.2	ASTM D226 Type I or II ASTM ~~D4869~~ D4869 Type I, II, III or IV ASTM D6757	ASTM D226 Type II ASTM D4869 Type III or Type IV

Remainder of table unchanged

Correlation Notes:

N1101

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1101
Posted: May 11, 2021

Correction:

HIGH-EFFICACY LIGHT SOURCES. ~~Compact fluorescent lamps, light-emitting diode (LED) lamps, T-8 or smaller diameter linear fluorescent lamps, or other~~ Any lamp~~s~~ with an efficacy of not less than 65 lumens per watt, or luminaires with an efficacy of not less than 45 lumens per watt.

Correlation Notes: RE7-19, RE145-19

N1101.4

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1101.4
Posted: April 20, 2021

Correction:

N1101.4 (R102.1.1) Above code programs. The *code official* or other authority having *jurisdiction* shall be permitted to deem a national, state or local energy-efficiency program to exceed the energy efficiency required by this code. *Buildings approved* in writing by such an energy-efficiency program shall be considered to be in compliance with this code. The requirements identified in Table N1105.2, as applicable, shall be met and the *building thermal envelope* is greater than or equal to levels of efficiency and solar heat gain coefficients (SHGC) in Tables 402.1.1 and 402.1.3 of the 2009 *International Energy Conservation Code*.

Correlation Notes: CE12-19 Part II

N1101.6

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1101.6
Posted: December 14, 2021

Correction:

CONTINUOUSLY BURNING PILOT LIGHT. A small gas flame used to ignite gas at a larger burner. Once lit, a continuous pilot light remains in operation until manually interrupted.

Correlation Notes: RE107-19

Table N1101.7

Errata 2021 IECC Chapter 3 GENERAL REQUIREMENTS

Code/Standard: 2021 International Energy Conservation Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Table 1101.7
Posted: September 15, 2021

Correction:
NEW MEXICO
4B Bernalillo
4~~A~~B Catron
3B Chaves

Correlation Notes: CE36-19 Part II

N1101.13.5

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1101.13.5
Posted: September 22, 2021

Correction:

N1101.13.5 (R401.2.5) Additional energy efficiency.
This section establishes additional requirements applicable to all compliance approaches to achieve additional energy efficiency.
1. For buildings complying with Section N1101.13.1, one of the additional efficiency package options shall be installed according to Section N1108.2.
2. For buildings complying with Section N1101.13.2, the building shall meet one of the following:
    2.1. One of the additional efficiency package options in Section N1108.2 shall be installed without including such measures in the proposed design under Section N1105.
    2.2. The proposed design of the building under Section N1105.~~3~~2 shall have an annual energy cost that is less than or equal to 95 percent of the annual energy cost of the standard reference design.
3. For buildings complying with the Energy Rating Index alternative Section N1101.13.3, the Energy Rating Index value shall be at least 5 percent less than the Energy Rating Index target specified. The option selected for compliance shall be identified on the certificate required by Section N1101.14.

Notes: RE209-19

Table N1102.1.2

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Table N1102.1.2
Posted: April 20, 2021 updated February 18, 2022

Correction:

TABLE N1102.1.2 MAXIMUM ASSEMBLY U-FACTORS[a] AND FENESTRATION REQUIREMENTS

CLIMATE ZONE	FENESTRATION *U*-FACTOR[f]	SKYLIGHT *U*-FACTOR	GLAZED FENESTRATION SHGC[d,e]	CEILING *U*-FACTOR	WOOD FRAME WALL *U*-FACTOR	MASS WALL *U*-FACTOR[b]	FLOOR FACT
0	0.50	0.75	0.25	0.035	0.084	0.197	0.06
1	0.50	0.75	0.25	0.035	0.084	0.197	0.06
2	0.40	0.65	0.25	0.026	0.084	0.165	0.06
3	0.30	0.55	0.25	0.026	0.060	0.098	0.04
4 except Marine	0.30	0.55	0.40	0.024	0.045	0.098	0.04
5 and Marine 4	0.30	0.55	~~0.40~~ NR	0.024	0.045	0.082	0.03
6	0.30	0.55	NR	0.024	0.045	0.060	0.03
7 and 8	0.30	0.55	NR	0.024	0.045	0.057	0.02

For SI: 1 foot - 304.8 mm.

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

b. Mass walls shall be in accordance with Section N1102.2.5. Where more than half the insulation is on the interior, the mass wall *U*-factors shall not exceed 0.17 in Climate Zones 0 and 1, 0.14 in Climat 0.065 in Climate Zone 5 and Marine 4, and 0.057 in Climate Zones 6 through 8.

c. In Warm Humid locations as defined by Figure N1101.7 and Table N1101.7, the basement wall *U*-factor shall not exceed 0.360.

d. The SHGC column applies to all glazed fenestration.

Exception: In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.3

e. There are no SHGC requirements in the Marine Zone.

f. A maximum *U*-factor of 0.32 shall apply in Marine Climate Zone 4 and Climate Zones 5 through 8 to vertical fenestration products installed in buildings located in either:

1. Above 4,000 feet in elevation above sea level, **or**
2. In windborne debris regions where protection of openings is required by Section R301.2.1.2.

Correlation Notes: CCC Meeting 2/14/22 overturned errata on 4/16/21

Table N1102.1.3 (R402.1.3)

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Energy Conservation Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Table N1102.1.3 (R402.1.3)
Posted: April 20, 2021

Correction:

TABLE N1102.1.3 (R402.1.3)
INSULATION MINIMUM *R*-VALUES AND FENESTRATION REQUIREMENTS BY COMPONENT[a]

CLIMATE ZONE	FENESTRATION *U*-FACTOR[b,i]	SKYLIGHT[b] *U*-FACTOR	GLAZED FENESTRATION SHGC[b,e]	CEILING *R*-VALUE	WOOD FRAME WALL *R*-VALUE[g]	MASS WALL *R*-VALUE[h]	FLOOR *R*-VALUE	BASEMENT[c,g] WALL *R*-VALUE	SLAB[d] *R*-VALUE & DEPTH	CRAWL SPACE[c,g] WALL *R*-VALUE
0	NR	0.75	0.25	30	13 or 0+& 10ci	3/4	13	0	0	0
1	NR	0.75	0.25	30	13 or 0+& 10ci	3/4	13	0	0	0
2	0.40	0.65	0.25	49	13 or 0+& 10ci	4/6	13	0	0	0
3	.30	0.55	0.25	49	20 or 13+& 10ci[h] or 0 & 15ci[h]	8/13	19	5ci or 13[f]	10ci, 2 ft	5ci or 13[f]
4 except Marine	.30	0.55	0.40	60	30 or 20& 5ci[h] or 13 & 10ci[h] or 0 & 20ci[h]	8/13	19	10ci or 13	10ci, 4 ft	10ci or 13
5 and Marine 4	0.30[i]	0.55	0.40	60	30 or 20& 5ci[h] or 13 & 10ci[h] or 0 & 20ci[h]	13/17	30	15ci or 19 or 13+&5ci	10ci, 4 ft	15ci or 19 or 13+&5ci
6	0.30[i]	0.55	NR	60	30 or 20& 5ci[h] or 13 & 10ci[h] or 0 & 20ci[h]	15/20	30	15ci or 19 or 13+&5ci	10ci, 4 ft	15ci or 19 or 13+&5ci
7 and 8	0.30[i]	0.55	NR	60	30 or 20+&5ci[h] or 13+&10ci[h] or 0 & 20ci[h]	19/21	38	15ci or 19 or 13+&5ci	10ci, 4 ft	15ci or 19 or 13+&5ci

Correlation Notes: RE27-19, RE28-19, RE29-19

N1102.2.1

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1102.2.1
Posted: May 11, 2021

Correction:

N1102.2.1 (R402.2.1) Ceilings with attic<u>s</u> ~~spaces~~. Where Section N1102.1.3 requires R-49 insulation in the ceiling or attic, installing R-38 insulation over 100 percent of the ceiling or attic area requiring insulation shall satisfy the requirement for R-49 insulation wherever the full height of uncompressed R-38 insulation extends over the wall top plate at the eaves. Where Section N1102.1.2 requires R-60 insulation in the ceiling <u>or attic</u>, installing R-49 over 100 percent of the ceiling <u>or attic</u> area requiring insulation shall satisfy the requirement for R-60 insulation wherever the full height of uncompressed R-49 insulation extends over the wall top plate at the eaves. This reduction shall not apply to the insulation and fenestration criteria in Section N1102.1.2 and the Total UA alternative in Section N1102.1.5.

Correlation Notes: RE49-19

N1102.2.4.1

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1102.2.4.1
Posted: May 11, 2021

Correction:

N1102.2.4.1 (R402.2.4.1) Access hatches and door insulation installation and retention. Vertical or horizontal access hatches and doors from *conditioned spaces* to *unconditioned spaces* such as attics and crawl spaces shall be weatherstripped. Access that prevents damaging or compressing the insulation shall be provided to all equipment. Where loose-fill insulation is installed, a wood-framed or equivalent baffle, ~~or~~ retainer, or dam shall be installed to prevent ~~the~~ loose-fill insulation from spilling into ~~the~~ living space~~s,~~ from higher to lower sections of the attic and from attics covering *conditioned spaces* to *unconditioned spaces*. The baffle or retainer shall provide a permanent means of maintaining the installed *R-value* of the loose-fill insulation.

Correlation Notes: RE49-19

Table N1102.4.1.1

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Table N1102.4.1.1
Posted: October 5, 2021

Correction:

Basement, crawl space, and slab foundations	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder/air barrier in accordance with Section ~~R402.2.10.~~N1102.2.10. Penetrations through concrete foundation walls and slabs shall be air sealed. Class 1 vapor retarders shall not be used as an air barrier on below-grade walls and shall be installed in accordance with Section R702.7.	Crawl space insulation, where provided instead of floor insulation, shall be installed in accordance with Section ~~R402.2.10.~~N1102.2.10 Conditioned basement foundation wall insulation shall be installed in accordance with Section ~~R402.2.8.1.~~N1102.2.8.1 Slab-on-grade floor insulation shall be installed in accordance with Section ~~R402.2.10.~~N1102.2.10
Shafts, penetrations	Duct and flue shafts and other similar penetrations to exterior or unconditioned space shall be sealed ~~to allow for expansion, contraction and mechanical vibration~~. Utility penetrations of the air barrier shall be caulked, gasketed or otherwise sealed and shall allow for expansion, contraction of materials and mechanical vibration.	Insulation shall be fitted tightly around utilities passing through shafts and penetrations in the building thermal envelope to maintain required *R*-value.
Narrow cavities	Narrow cavities of 1 inch or less that are not able to be insulated shall be air sealed.	Batts to be installed in narrow cavities shall be cut to fit or narrow cavities shall be filled with insulation that on installation readily conforms to the available cavity space.
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.	Insulated portions of the garage separation assembly shall be installed in accordance with Sections ~~R303 and R402.2.7.~~ N1101.10-N1101.12 and N1102.2.7.
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be air sealed in accordance with Section ~~R402.4.5~~ N1102.4.5.	Recessed light fixtures installed in the building thermal envelope shall be airtight and IC rated, and shall be buried or surrounded with insulation.

Correlation Notes: RE74-19, RE86-19

N1103.6

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1103.6
Posted: May 11, 2021

Correction:

N1103.6 (R403.6) Mechanical ventilation. **The** *Buildings* ~~and~~ ~~*dwelling units*~~ complying with Section N1102.4.1 shall be provided with ~~mechanical~~ *ventilation* that complies with the requirements of Section M1505 or with other *approved* means of *ventilation*. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the *ventilation* system is not operating.

Correlation Notes: RE88-19

Table N1103.6.2

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1103.6.2
Posted: Revised July 1, 2022

Correction:

TABLE N1103.6.2 (R403.6.2)
WHOLE-~~DWELLING~~HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY[a]

~~FAN LOCATION~~SYSTEM TYPE	AIRFLOW RATE ~~MINIMUM~~ (CFM)	MINIMUM EFFICACY (CFM/WATT)
HRV, ERV, or balanced	Any	1.2 cfm/watt
Range hood	Any	2.8 cfm/watt
In-line supply or exhaust fan	Any	3.8 cfm/watt
Other exhaust fan ~~Other exhaust fan~~	< 90	2.8 cfm/watt
	≥ 90	3.5 cfm/watt
Air-handler that is integrated to tested and *listed* HVAC equipment	Any	1.2 cfm/watt

For SI: 1 cubic foot per minute = 28.3 L/min.
a. Design outdoor airflow rate/watts of fan used.

Correlation Notes: RE134-19, RE137-19, CCC Meeting 2/14/22

Table N1105.2 (R405.2)

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing & 2nd Printing
Section/Table/Figure Number: Table N1105.2 (R405.2)
Posted: September 6, 2022

Correction:

TABLE N1105.2 (R405.2)
REQUIREMENTS FOR TOTAL BUILDING PERFORMANCE

SECTION[a]	TITLE
General	
N1101.13.5	Additional energy efficiency
N1101.14	Certificate
Building Thermal Envelope	
N1102.1.1	Vapor retarder
N1102.2.3	Eave baffle
N1102.2.4.1	Access hatches and door~~s~~ insulation installation and retention

Other areas of table omitted for clarity

Correlation Notes: **RE46-19, RE49-19**

Table N1106.2 (R406.2)

Errata 2021 IRC Chapter 11[RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing & 2nd Printing
Section/Table/Figure Number: Table N1106.2 (R406.2)
Posted: September 6, 2022

Correction:

TABLE N1106.2 (R406.2)
REQUIREMENTS FOR ENERGY RATING INDEX

SECTION[a]	TITLE
General	
N1101.13.5	Additional energy efficiency
N1101.14	Certificate
Building Thermal Envelope	
N1102.1.1	Vapor retarder
N1102.2.3	Eave baffle
N1102.2.4.1	Access hatches and door~~s~~ insulation installation and retention

Other areas of table omitted for clarity

Correlation Notes: **RE46-19, RE49-19**

N1105.2(2)

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1105.2(2)
Posted: April 20, 2021

Correction:

N1105.2 (R405.2) Performance-based compliance.
Compliance based on total building performance requires that a *proposed design* meets all of the following:

1. The requirements of the sections indicated within Table N1105.2.
2. The building thermal envelope shall be greater than or equal to levels of efficiency and solar heat gain coefficients in Table R402.1.1 or R402.1.3 of the 2009 *International Energy Conservation Code*.
3. An annual energy cost that is less than or equal to the annual energy cost of the *standard reference design*. Energy prices shall be taken from a source *approved* by the *code official*, such as the Department of Energy, Energy Information Administration's State Energy Data System Prices and Expenditures reports. *Code officials* shall be permitted to require time-of use pricing in energy cost calculations.

Exception: The energy use based on source energy expressed in Btu or Btu per square foot of conditioned floor area shall be permitted to be substituted for the energy cost. The source energy multiplier for electricity shall be 3.16. The source energy multiplier for fuels other than electricity shall be 1.1.

Correlation Notes: RE151-19

N1105.3.2

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1105.3.2
Posted: December 14, 2021

Correction:

N1105.3.2 (R405.3.2) Compliance report. Compliance software tools shall generate a report that documents that the *proposed design* complies with Section N1105.~~3~~2. A compliance report on the *proposed design* shall be submitted with the application for the building permit. Upon completion of the building, a confirmed compliance report based on the confirmed condition of the building shall be submitted to the *code official* before a certificate of occupancy is issued. Compliance reports shall include information in accordance with Sections N1105.3.2.1 and N1105.3.2.2.

Correlation Notes: RE158-19

N1105.3.2.1

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st & 2nd printing
Section/Table/Figure Number: N1105.3.2.1
Posted: December 14, 2021

Correction:

N1105.3.2.1 (R405.3.2.1) Compliance report for permit application. A compliance report submitted with the application for building permit shall include the following:

1. Building street address, or other *building site* identification.
2. The name of the individual performing the analysis and generating the compliance report.
3. The name and version of the compliance software tool.
4. Documentation of all inputs entered into the software used to produce the results for the reference design and/or the rated home.
5. A certificate indicating that the proposed design complies with Section N1105.~~3~~2. The certificate shall document the building components' energy specifications that are included in the calculation including: component-level insulation *R*-values or *U*-factors; duct system and building envelope air leakage testing assumptions; and the type and rated efficiencies of proposed heating, cooling, mechanical ventilation and service water-heating equipment to be installed. If on-site renewable energy systems will be installed, the certificate shall report the type and production size of the proposed system.
6. Where a site-specific report is not generated, the proposed design shall be based on the worst-case orientation and configuration of the rated home.

Correlation Notes: RE158-19

N1105.3.2.2

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st & 2nd printing
Section/Table/Figure Number: N1105.3.2.2
Posted: December 14, 2021

Correction:

N1105.3.2.2 (R405.3.2.2) Compliance report for certificate of occupancy. A compliance report submitted for obtaining the certificate of occupancy shall include the following:

1. Building street address, or other building site identification.
2. Declaration of the total building performance path on the title page of the energy report and the title page of the building plans.
3. A statement, bearing the name of the individual performing the analysis and generating the report, indicating that the as-built building complies with Section N1105.~~3~~2.
4. The name and version of the compliance software tool.
5. A site-specific energy analysis report that is in compliance with Section N1105.~~3~~2.
6. A final confirmed certificate indicating compliance based on inspection, and a statement indicating that the confirmed rated design of the built home complies with Section N1105.~~3~~2. The certificate shall report the energy features that were confirmed to be in the home, including component-level insulation *R*-values or *U*-factors; results from any required duct system and building envelope air leakage testing; and the type and rated efficiencies of the heating, cooling, mechanical ventilation and service water-heating equipment installed.
7. When on-site renewable energy systems have been installed, the certificate shall report the type and production size of the installed system.

Correlation Notes: RE158-19

Table N1105.4.2(1)

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Table N1105.4.2(1)
Posted: May 11, 2021

Correction:

Mechanical ventilation	Where mechanical ventilation is not specified in the proposed design: None Where mechanical ventilation is specified in the proposed design, the annual vent fan energy use, in units of kWh/yr, shall equal $(1/e_f) \times [0.0876 \times CFA + 65.7 \times (N_{br}+1)]$ where: e_f = the minimum ~~exhaust~~ fan efficacy, as specified in Table N1103.6.2, corresponding to the system type at a flow rate of $0.01 \times CFA + 7.5 \times (N_{br}+1)$ CFA = conditioned floor area, ft^2. N_{br} = number of bedrooms.	As proposed

TABLE N1105.4.2(1) [R405.4.2(1)]—continued
SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS

<table>
<tr><th>BUILDING COMPONENT</th><th>STANDARD REFERENCE DESIGN</th><th colspan="3">PROPOSED DESIGN</th></tr>
<tr><td rowspan="7">Service water heating[d, g]</td><td rowspan="7">As proposed.
Use, in units of gal/day = ~~30~~ 25.5 + (~~10~~ 8.5 × N_{br})
where:
N_{br} = number of bedrooms.</td><td colspan="3">As proposed
Use, in units of gal/day = 25.5 + (8.5 × N_{br}) × (1 – $HWDS$)
where:
N_{br} = number of bedrooms.
$HWDS$ = factor for the compactness of the hot water distribution system.</td></tr>
<tr><td colspan="2">Compactness ratio[i] factor</td><td>HWDS</td></tr>
<tr><td>1 story</td><td>2 or more stories</td><td></td></tr>
<tr><td>> 60%</td><td>> 30%</td><td>0</td></tr>
<tr><td>> 30% to ≤ 60%</td><td>> 15% to ≤ 30%</td><td>0.05</td></tr>
<tr><td>> 15% to ≤ 30%</td><td>> 7.5% to ≤ 15%</td><td>0.10</td></tr>
<tr><td>< 15%</td><td>< 7.5%</td><td>0.15</td></tr>
<tr><td>Thermal distribution systems</td><td>Duct insulation: in accordance with Section N1103.3.1.
A thermal distribution system efficiency (DSE) of 0.88 shall be applied to both the heating and cooling system efficiencies for all systems other than tested duct systems.
Duct location: same as proposed design.
Exception: For nonducted heating and cooling systems that do not have a fan, the standard reference design thermal distribution system efficiency (DSE) shall be 1. For tested duct systems, the leakage rate shall be 4 cfm (113.3 L/min) per 100 ft^2 (9.29 m^2) of conditioned floor area at a pressure of differential of 0.1 inch w.g. (25 Pa).</td><td colspan="3">Duct location: as proposed.
Duct insulation: as proposed.
As tested or, where not tested, as specified in Table N1105.4.2(2).</td></tr>
</table>

Correlation Notes: RE162-19, RE163-19, RE172-19, RE178-19

N1105.5.1

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1105.5.1
Posted: June 23, 2021

Correction:

N1105.5.1 (R405.5.1) Minimum capabilities. Calculation procedures used to comply with this section shall be software tools capable of calculating the annual energy consumption of all building elements that differ between the *standard reference design* and the *proposed design* and shall include the following capabilities:

1. Computer generation of the *standard reference design* using only the input for the *proposed design*. The calculation procedure shall not allow the user to directly modify the building component characteristics of the *standard reference design*.
2. Calculation of whole-building (as a single *zone*) sizing for the heating and cooling *equipment* in the *standard reference design* residence in accordance with Section N1103.~~6~~7.
3. Calculations that account for the effects of indoor and outdoor temperatures and part-load ratios on the performance of heating, ventilating and air conditioning *equipment* based on climate and *equipment* sizing.
4. Printed *code official* inspection checklist listing each of the *proposed design* component characteristics from Table N1105.4.2(1) determined by the analysis to provide compliance, along with their respective performance ratings such as *R*-value, *U*-factor, SHGC, HSPF, AFUE, SEER and EF.

Correlation Notes: **EC108-09/10**

N1106.3.1 (R406.3.1)

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1106.3.1 (R406.3.1)
Posted: May 23, 2022, August 5, 2022

Correction:

N1106.3.1 (R406.3.1_ On-site renewables are not included. Where on-site renewable energy is not included for compliance using the ERI analysis of Section R406.4, the proposed total building thermal envelope UA, which is sum of *U*-factor times assembly area, shall be less than or equal to the building thermal envelope UA using the prescriptive *U*-factors from Table R402.1.2 multiplied by 1.15 in accordance with Equation 4-1. The area-weighted maximum fenestration SHGC permitted in Climate Zones 0 through 3 shall be 0.30.

~~$UA_{\text{Proposed design}} = 1.15$~~ $UA_{\text{Proposed design}} \leq 1.15 \times UA_{\text{Prescriptive reference design}}$

(Equation 11-4)

Correlation Notes: RE150-19 AM

N1106.3.2

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1106.3.2
Posted: April 20, 2021

Correction:

N1106.3.2 (R406.3.2) On-site renewables are included.
Where on-site renewable energy is included for compliance using the ERI analysis of Section N1106.4, the *building thermal envelope* shall be greater than or equal to the levels of efficiency and SHGC in Table N1102.1.2, or Table R402.1.4 of the ~~2015~~2018 *International Energy Conservation Code*.

Correlation Notes: RE182-19

N1106.6 (R406.6)

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1106.6 (R406.6)
Posted: March 8, 2023

Correction:

N1106.6 (R406.6) Verification by approved agency. Verification of compliance with Section N1106 as outlined in Sections ~~N1106.4~~ N1106.5 and ~~N1106.6~~ N1106.7 shall be completed by an *approved* third party. Verification of compliance with Section N1106.2 shall be completed by the authority having jurisdiction or an *approved* third-party inspection agency in accordance with Section ~~R105.4~~ R109.2.

Correlation Notes: RE199-19

N1107.2 (R407.2)

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: all printings
Section/Table/Figure Number: N1107.2 (R407.2)
Posted: December 9, 2022

Correction:

N1107.2 (R407.2) Tropical climate region. Compliance with this section requires the following:

1. Not more than one-half of the *occupied* space is air conditioned.
2. The *occupied* space is not heated.
3. Solar, wind or other renewable energy source supplies not less than 80 percent of the energy for service water heating.
4. Glazing in *conditioned spaces* has a *solar heat gain coefficient* (SHGC) of less than or equal to 0.40, or has an overhang with a projection factor equal to or greater than 0.30.
5. Permanently installed lighting is in accordance with Section N1104.
6. The exterior roof surface complies with one of the options in Table C402.3 of the *International Energy Conservation Code*–Commercial Provisions or the roof or ceiling has insulation with an *R-value* of R-15 or greater. Where attics are present, attics above the insulation are vented and attics below the insulation are unvented.
7. Roof surfaces have a slope of not less than $^1/_4$ unit vertical in 12 units horizontal (2~~1~~-percent slope). The finished roof does not have water accumulation areas.
8. Operable fenestration provides a ventilation area of not less than 14 percent of the floor area in each room. Alternatively, equivalent ventilation is provided by a ventilation fan.
9. Bedrooms with *exterior walls* facing two different directions have operable fenestration on exterior walls facing two directions.
10. Interior doors to bedrooms are capable of being secured in the open position.
11. A ceiling fan or ceiling fan rough-in is provided for bedrooms and the largest space that is not used as a bedroom.

Correlation Notes:

N1108.2.3

Errata 2021 IRC Chapter 11 [RE] ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1108.2.3
Posted: August 10, 2021

Correction:

N1108.2.3 (R408.2.3) Reduced energy use in service water-heating option. The hot water system shall meet one of the following efficiencies:
1. Greater than or equal to .82 EF fossil fuel service water-heating system.
2. Greater than or equal to 2.0 EF electric service water-heating system.
3. Greater than or equal to 0.4 solar fraction solar water-heating system.

Notes: RE209-19, CCC approved 8.2.21

N1108.2.5 (R408.2.5)

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing & 2nd printing
Section/Table/Figure Number: N1108.2.5 (R408.2.5)
Posted: November 10, 2022

Correction:

N1108.2.5 (R408.2.5) Improved air sealing and efficient ventilation system option. The measured air leakage rate shall be less than or equal to 3.0 ACH50, with either an Energy Recovery Ventilator (ERV) or Heat Recovery Ventilator (HRV) installed. Minimum HRV and ERV requirements, measured at the lowest tested net supply airflow, shall be greater than or equal to 75 percent Sensible Recovery Efficiency (SRE), less than or equal to 1.1 ~~cubic feet per minute per watt (0.03 m^3/min/watt)~~ W/CFM Fan Energy and shall not use recirculation as a defrost strategy. In addition, the ERV shall be greater than or equal to 50 percent Latent Recovery/Moisture Transfer (LRMT).

Correlation Notes: **RE209-19**

N1111.1.1 (R503.1.1)

Errata 2021 IRC Chapter 11 ENERGY EFFICIENCY

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: N1111.1.1 (R503.1.1)
Posted: September 6, 2022

Correction:

N1111.1.1 (R503.1.1) Building envelope. Building envelope assemblies that are part of the *alteration* shall comply with Section N1102.1.2 or ~~N1102.1.4~~ N1102.1.3, Sections N1102.2.1 through N1102.2.12, N1102.3.1, N1102.3.2, N1102.4.3 and N1102.4.5.

Exception: The following alterations shall not be required to comply with the requirements for new construction provided that the energy use of the building is not increased:

1. Storm windows installed over existing fenestration.
2. Existing ceiling, wall or floor cavities exposed during construction provided that these cavities are filled with insulation.
3. Construction where the existing roof, wall or floor cavity is not exposed.
4. Roof recover.
5. Roofs without insulation in the cavity and where the sheathing or insulation is exposed during reroofing shall be insulated either above or below the sheathing.
6. Surface-applied window film installed on existing single pane fenestration assemblies to reduce solar heat gain provided that the code does not require the glazing or fenestration assembly to be replaced.

Correlation Notes:

N1111.1.2

Errata 2021 IRC Chapter 11 Energy Efficiency

Code/Standard: 2021 International Residential Code
Applies to following Printings: all printings
Section/Table/Figure Number: N1111.1.2
Posted: April 7, 2023

Correction:

N1111.1.2 (R503.1.2) Heating and cooling systems. HVAC ducts newly installed, as part of an alteration shall comply with Section N1103.

Exception: Where ducts from an existing heating and cooling system are extended ~~to an addition~~.

Correlation Notes: RE211-19

M1301.1.1

Errata IRC Chapter 13

Code/Standard: International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: M1301.1.1

Posted: November 1, 2021

Correction:

M1301.1.1 Flood-resistant installation. In flood hazard areas as established by Table R301.2~~(1)~~, mechanical *appliances*, *equipment* and systems shall be located or installed in accordance with Section R322.1.6.

Correlation Notes: None

G2427.10.7

Errata 2021 IRC G2427.10.7

Code/Standard: International Residential Code

Applies to following Printings: 1st and 2nd Printings

Section/Table/Figure Number: G2427.10.7

Posted: March 18, 2022

Correction:

G2427.10.7 (503.10.7) Connector junctions.
Where *vent connectors* are joined together, the connection shall be made with a tee or wye fitting ~~manufactured for the purpose~~.

Correlation Notes: None

Table G2427.8

Errata 2021 IRC Chapter 24

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st and 2nd printings: 2021
Section/Table/Figure Number: Table G2427.8
Posted: August 17, 2023

Correction:

TABLE G2427.8
THROUGH-THE-WALL VENT TERMINAL CLEARANCE

FIGURE CLEARANCE	CLEARANCE LOCATION	MINIMUM CLEARANCE FOR DIRECT-VENT TERMINALS	MINIMUM CLEARANCE FOR NONDIRECT-VENT TERMINALS
A	Clearance above finished grade level, veranda, porch, deck, or balcony	12 inches	
B	Clearance to window or door that is openable	6 inches: Appliances ≤ 10,000 Btu/hr 9 inches: Appliances > 10,000 Btu/hr ≤ 50,000 Btu/hr 12 inches: Appliances > 50,000 Btu/hr ≤ 150,000 Btu/hr Appliances > 150,000 Btu/hr, in accordance with the appliance manufacturer's instructions and not less than the clearances specified for nondirect-vent terminals in Row B	4 feet below or to side of opening or 1 foot above opening
C	Clearance to nonopenable window	None unless otherwise specified by the appliance manufacturer	
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet from the center line of the terminal	None unless otherwise specified by the appliance manufacturer	
E	Clearance to unventilated soffit	None unless otherwise specified by the appliance manufacturer	
F	Clearance to outside corner of building	None unless otherwise specified by the appliance manufacturer	
G	Clearance to inside corner of building	None unless otherwise specified by the appliance manufacturer	
~~H~~	~~Clearance to each side of center line extended above regulator vent outlet~~	~~3 feet up to a height of 15 feet above the regulator vent outlet~~	
~~I~~	~~Clearance to service regulator vent outlet in all directions~~	~~3 feet for gas pressures up to 2 psi; 10 feet for gas pressures above 2 psi~~	
~~J~~ H	Clearance to nonmechanical air supply inlet to building and the combustion air inlet to any other appliance	Same clearance as specified for Row B	
~~K~~ I	Clearance to a mechanical air supply inlet	10 feet horizontally from inlet or 3 feet above inlet	
~~L~~ J	Clearance above paved sidewalk or paved driveway located on public property	7 feet and shall not be located above public walkways or other areas where condensate or vapor can cause a nuisance or hazard	

~~M~~ K	Clearance to underside of veranda, porch, deck, or balcony	12 inches where the area beneath the veranda, porch, deck or balcony is open on not less than two sides. The vent terminal is prohibited in this location where only one side is open.

Correlation Notes:

Figure G2427.8

Errata 2021 IRC Chapter 24

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st and 2nd printings: 2021
Section/Table/Figure Number: Figure G2427.8
Posted: August 17, 2023

Correction: Delete and replace Figure G2427.8

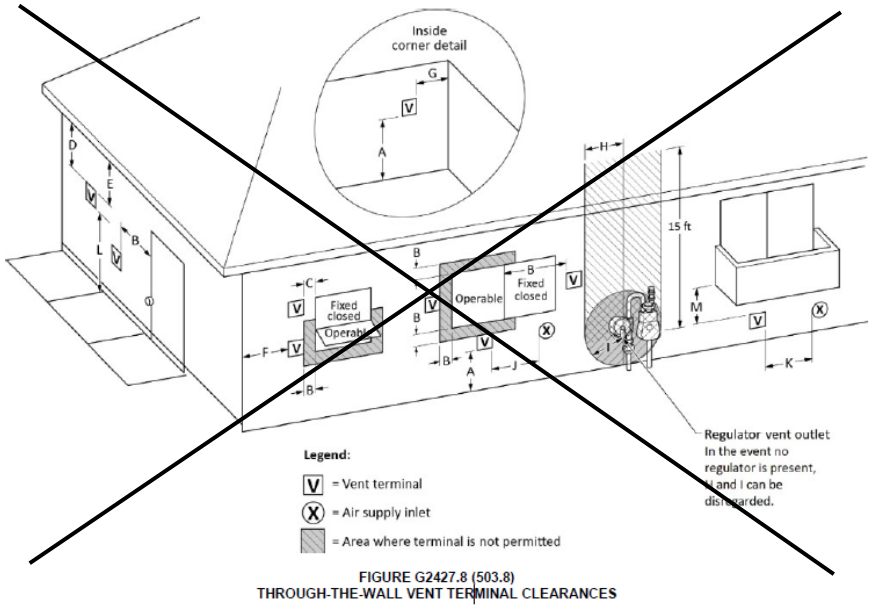


FIGURE G2427.8 (503.8)
THROUGH-THE-WALL VENT TERMINAL CLEARANCES

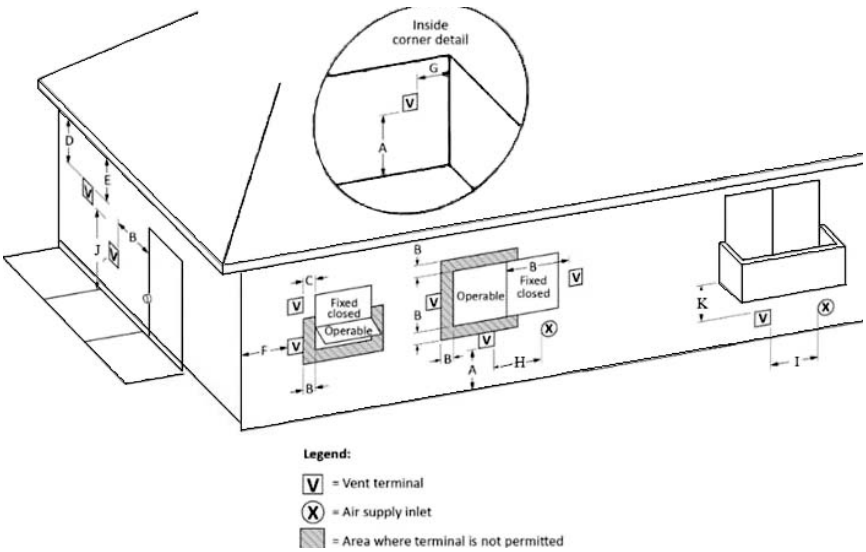


FIGURE G2427.8

THROUGH-THE-WALL VENT TERMINAL CLEARANCE

Correlation Notes:

P2713.3

Errata IRC P2713.3

Code/Standard: International Residential Code

Applies to following Printings: 1st and 2nd Printings

Section/Table/Figure Number: P2713.3

Posted: December 21, 2022

Correction:

L: P2713.3 Bathtub and whirlpool bathtub valves.

Bathtubs and whirlpool bathtub valves shall have …… Access shall be provided to water-temperature-limiting devices that conform to ASSE ~~10705~~ 1070/ASME A112.1070/CSA B125.70.

Correlation Notes

P2902.5.4.1

Errata IRC P2902.5.4.1

Code/Standard: International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: P2902.5.4.1

Posted: September 9, 2021

Correction:

L: P2902.5.4.1 Additives or nonpotable source. Where systems contain chemical additives or antifreeze, or where systems are connected to a nonpotable secondary water supply, the potable water supply shall be protected against backflow by a reduced pressure principle backflow prevention assembly or a reduced pressure principle fire protection backflow prevention assembly. Where chemical additives or antifreeze is added to only a portion of an automatic ~~fire~~ sprinkler system or standpipe system, the reduced pressure principle fire protection backflow preventer shall be permitted to be located so as to isolate that portion of the system.

Correlation Notes: F4-18 AS

P2903.11

Errata IRC Chapter 29 Water Supply and Distribution

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: P2903.11

Posted: August 26, 2022

Correction:

P2903.11 Drain water heat recovery units. Drain water heat recovery units shall be in accordance with Section ~~N1103.5.4.~~ N1103.5.3.

Correlation Notes:

P2904.1

Errata IRC P2904.1

Code/Standard: International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: P2904.1

Posted: September 9, 2021

Correction:

L: P2904.1 General. The design and installation of residential ~~fire~~ automatic sprinkler systems shall be in accordance with NFPA 13D or Section P2904, which shall be considered to be equivalent to NFPA 13D. Partial…….

Correlation Notes: F4-18 AS

FIGURE P2904.2.4.2

Errata IRC Chapter 29

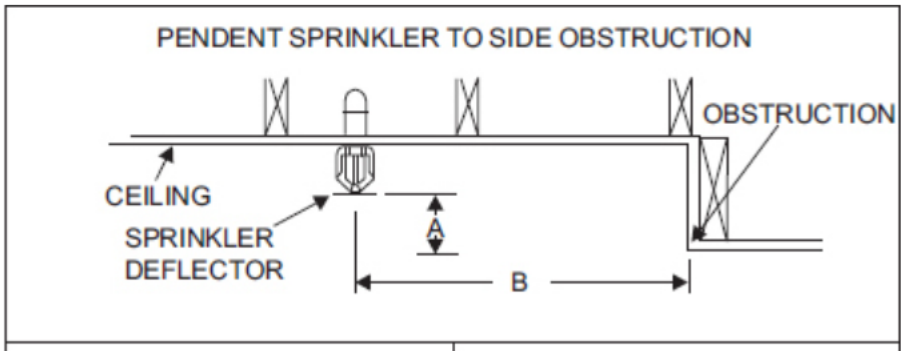
Code/Standard/commentary: 2021 International Residential Code

Applies to following Printings: 1st and 2nd Printings

Section/Table/Figure Number: FIGURE P2904.2.4.2
Posted: January 21, 2022

Correction:

Figure P2904.2.4.2 MINIMUM ALLOWABLE DISTANCE BETWEEN SPRINKLER AND OBSTRUCTION



WHERE "A" IS LESS THAN OR EQUAL TO: (INCHES)	"B" MUST BE NOT LESS THAN: (FEET)
1	1½
3	3
5	4
7	4½
9	1½ → 6
11	6½
14	7

Correlation Notes:

Table E3801.4

Errata 2021 IRC Chapter 38

Code/Standard: 2018 International Residential Code

Applies to following Printings: 1st and 2nd printings

Section/Table/Figure Number: Table E3801.4

Posted: May 2, 2022

Correction:

TABLE E3801.4 (Chapter 3 and 300.2)
ALLOWABLE APPLICATIONS FOR WIRING METHODS[a, b, c, d, e, f, g, h, i, j, k]

ALLOWABLE APPLICATIONS (application allowed where marked with an "A")	AC	EMT	ENT	FMC	IMC RMC RNC RTRC	LFC[a, g]	MC	NM	SR	SE	UF	USE
Wet locations exposed to sunlight	—	A	A[h]	—	A	A	A[k]	—	—	A	A[e]	A[e]

For SI: 1 foot = 304.8 mm.

Table rows not shown remain unchanged

a.-j. *remain unchanged*

k. In wet locations ~~under any of the following conditions~~ where a corrosion-resistant jacket is provided over the metallic covering and any of the following conditions are met:

1. The metallic covering is impervious to moisture.
2. A ~~lead sheath or moisture-impervious~~ jacket resistant to moisture is provided under the metal covering.
3. The insulated conductors under the metallic covering are listed for use in wet locations. ~~and a corrosion-resistant jacket is provided over the metallic sheath.~~

Correlation Notes:

SECTION E3901.7

Errata 2021 IRC Chapter 39 POWER AND LIGHTING DISTRIBUTION

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Sections E3901.7
Posted: July 1, 2021

Correction:

E3901.7 Outdoor outlets. Not less than one receptacle outlet that is readily accessible from grade level and located not more than 6 feet, 6 inches (1981 mm) above grade, shall be installed outdoors at the front and back of each dwelling unit having direct access to grade level. Balconies, decks, and porches that are accessible from inside within 4 inches (102 mm) horizontally of the dwelling unit shall have at least one receptacle outlet accessible from the balcony, deck, or porch. The receptacle shall be located not more than 6 feet, 6 inches (1981 mm) above the balcony, deck, or porch surface. [210.52(E)]

Correlation Notes: None.

SECTION E3902.15

Errata 2021 IRC Chapter 39 POWER AND LIGHTING DISTRIBUTION

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Sections E3902.15
Posted: July 1, 2021

Correction:

E3902.15 Crawl space lighting outlets. Lighting outlets not exceeding 120 volts installed in crawl spaces shall have ground-fault circuit-interrupter protection for personnel. [210.8(C)]

Correlation Notes: This is one of three new sections added; E3902.15, E3902.16 and E3902.17. Existing subsequent sections E3902.15-E3902.18 are renumbered to E3902.18-E3902.21.

SECTION E3902.16 (New)

Errata 2021 IRC Chapter 39 POWER AND LIGHTING DISTRIBUTION

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Sections E3902.16 (New)
Posted: July 1, 2021

Correction:

E3902.16 Equipment requiring servicing. Receptacles installed in accordance with E3901.12 shall have ground-fault circuit-interrupter protection. [210.8(E)]

Correlation Notes: This is one of three new sections added; E3902.15, E3902.16 and E3902.17. Existing subsequent sections E3902.15-E3902.18 are renumbered to E3902.18-E3902.21.

SECTION E3902.17 (New)

Errata 2021 IRC Chapter 39 POWER AND LIGHTING DISTRIBUTION

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Section E3902.17 (New)
Posted: July 1, 2021

Correction:

E3902.17 Outdoor outlets. All outdoor outlets, other than those covered in E3902.3, Exception, that are supplied by single-phase branch circuits rated 150 volts to ground or less, 50 amperes or less, shall have ground-fault circuit-interrupter protection for personnel. [210.8(F)]

> **Exception:** Ground-fault circuit-interrupter protection shall not be required on lighting outlets other than those covered in E3902.15. [210.8(F) Exception]

Correlation Notes: This is one of three new sections added; E3902.15, E3902.16 and E3902.17. Existing subsequent sections E3902.15-E3902.18 are renumbered to E3902.18-E3902.21.

SECTION E3902.18

Errata 2021 IRC Chapter 39 POWER AND LIGHTING DISTRIBUTION

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Sections E3902.18
Posted: July 1, 2021

Correction:

~~**E3902.18**~~ **E3902.21 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 ~~E3902.17~~ E3902.20, the branch circuit shall be protected by one of the following:

Correlation Notes: None.

AAMA

Errata 2021 IRC Chapter 44

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Referenced Standards
Posted: November 1, 2021

AAMA

714—~~20~~ 19 Voluntary Specification for Liquid Applied Flashing Used to Create a Water-resistive Seal around Exterior Wall Openings in Buildings

AAMA/NSA 2100—~~20~~ 19 Specifications for Sunrooms

AISI

Errata IRC Chapter 44

Code/Standard: International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: AISI

Posted: September 10, 2021

Correction:

AISI

AISI 230-19 ~~18~~ Standard for Cold-Formed Steel Framing—Prescriptive Method for One- and Two-Family Dwellings, ~~2018~~ 2019 Edition

Correlation Notes:

ANSI

Errata 2021 IRC Chapter 44

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Referenced Standards
Posted: November 15, 2021

ANSI

A108.5—~~19~~ 20 Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex Portland Cement Mortar

A108.6—~~19~~ 99(reaffirmed 2019) Installation of Ceramic Tile with Chemical-resistant, Water-cleanable Tile-setting and -grouting Epoxy

A118.3—~~20~~ 13 American National Standard Specifications for Chemical-resistant, Water-cleanable Tile-setting and -grouting Epoxy, and Water-cleanable Tile-setting Epoxy Adhesive

A136.1—~~19~~ 20 American National Standard Specifications for Organic Adhesives for Installation of Ceramic Tile

LC1/CSA 6.26—~~2016~~ 2018 Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)

Z21.8—94~~(R2012)~~ (R2017) Installation of Domestic Gas Conversion Burners

Z21.10.1/CSA 4.1—~~2012~~ 2017 Gas Water Heaters—Volume I—Storage Water Heaters with Input Ratings of 75,000 Btu per hour or Less

Z21.22—~~99 (R2003)~~ 2015 Relief Valves for Hot Water Supply Systems~~—with Addenda Z21.22a—2000 (R2003) and 21.22b—2001 (R2003)~~

Z21.58—~~95~~ 2018/CSA 1.6—~~2015~~ 2018 Outdoor Cooking Gas Appliances

Z83.19—~~2009 (R2014)~~ 2017 Gas-fired High-intensity Infrared Heaters

Z83.20—~~08~~ 2016 Gas-fired Low-intensity Infrared Heaters Outdoor Decorative Appliances

Z97.1—~~2014~~ 2015 Safety Glazing Materials Used in Buildings—Safety Performance Specifications and Methods of Test

ASHRAE

Errata 2021 IRC Chapter 44

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Referenced Standards
Posted: November 1, 2021

ASHRAE

ASHRAE—~~2021~~ 2017 ASHRAE Handbook of Fundamentals

ASME

Errata IRC Chapter 44

Code/Standard: International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: ASME

Posted: September 9, 2021

Correction:

ASME

A112.1.2—2012~~(R2022)~~(R2017) Air Gaps in Plumbing Systems (For Plumbing Fixtures and Water Connected Receptors)

A112.1.3—2000 ~~(Reaffirmed 2020)~~(R2019) Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances

A112.3.1—2007~~(R2022)~~ (R2017) Stainless Steel Drainage Systems for Sanitary, DWV, Storm and Vacuum Applications Above and Below Ground

A112.3.4—~~2020~~2018/CSA B45.9—~~20~~2018 Macerating Toilet Systems and Related Components

A112.4.3—1999~~(R2020)~~ (R2019) Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System

A112.4.14-~~1999 (R2020)~~2019/CSA B125.14-19 Manually operated valves for use in plumbing systems

A112.6.2—~~2022~~ 2017 Framing-affixed Supports for Off-the-floor Water Closets with Concealed Tanks

A112.14.1—03~~(R2022)~~ (R2017) Backwater Valves

A112.18.1—~~2020~~ 2018/CSA B125.1—~~2020~~ 2018 Plumbing Supply Fittings

A112.18.2—~~2019~~ 2020/CSA B125.2—~~19~~ 2020 Plumbing Waste Fittings

A112.18.3M—2002~~(R2020)~~ (R2017) Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings

A112.18.6—~~2021~~ 2017/CSA B125.6—~~21~~ 17 Flexible Water Connectors

A112.19.1—~~2020~~ 2018/CSA B45.2—~~20~~ 18 Enameled Cast-iron and Enameled Steel Plumbing Fixtures

A112.19.2—~~2020~~ 2018/B45.1—~~2020~~ 18 Ceramic Plumbing Fixtures

A112.19.3—~~2021~~ 2017/CSA B45.4—~~08(R2021)~~ 2017 Stainless Steel Plumbing Fixtures

A112.19.5—~~2021~~ 2017/CSA B45.15—~~2021~~ 2017 Flush Valves and Spuds for Water-closets, Urinals and Tanks

A112.19.7—2012/CSA B45.10—2012~~(R2021)~~ (R2017) Hydromassage Bathtub Systems

A112.19.12—~~2019~~ 2014(R2019) Wall-mounted and Pedestal-mounted, Adjustable, Elevating, Tilting, and Pivoting Lavatory and Sink, and Shampoo Bowl Carrier Systems and Drain Waste Systems

ASME A112.4.2—~~2020~~ 2015/CSA B45.16—~~20~~ 2015(R2020) Water-closet Personal Hygiene Devices

ASSE 1016—~~2020~~ 2017/ASME A112.1016—~~2020~~ 2017/CSA B125.16—~~2020~~ 2017 Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations

B1.20.1—~~2019~~ 2013(R2018) Pipe Threads, General-purpose (Inch)

B16.3—~~2021~~ 2016 Malleable-iron-threaded Fittings, 150 and 300

B16.4—~~2021~~ 2016 Gray-iron-threaded Fittings

B16.11—~~2021~~ 2016 Forged Fittings, Socket-welding and Threaded

B16.12—2009~~(R2019)~~ (R2014) Cast-iron-threaded Drainage Fittings

B16.23—~~2021~~ 2016 Cast-copper-alloy Solder Joint Drainage Fittings (DWV)

B16.34—~~2020~~ 2017 Valves—Flanged, Threaded and Welding End

CSD-1—~~2021~~ 2018 Controls and Safety Devices for Automatically Fired Boilers

Correlation Notes: None

ASSE

Errata 2021 IRC Chapter 44

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Referenced Standards
Posted: November 1, 2021

ASSE

1003—~~2011~~ 2009 Performance Requirements for Water-pressure-reducing Valves for Domestic Water Distribution Systems

1011—~~2016~~ 2017 Performance Requirements for Hose Connection Vacuum Breakers

1013—~~2017~~ 2011 Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers

1015—~~2017~~ 2011 Performance Requirements for Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies

1060—~~2016~~ 2017 Performance Requirements for Outdoor Enclosures for Fluid-conveying Components

ASSE 1016—~~2020~~ 2017/ASME A112.1016—~~2020~~ 2017/CSA B125.16—~~2020~~ 2017 Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations

ASTM

Errata 2021 IRC Chapter 44

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Referenced Standards
Posted: November 1, 2021

ASTM

C35/C35M—01(2014) Specification for Inorganic Aggregates for Use in Gypsum Plaster

C91M—~~2018A~~ 2018 Specification for Masonry Cement

C1280—~~18~~ 13a Standard Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing

D3138—04~~(2011)~~ (2016) Standard Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly (Vinyl Chloride) (PVC) Non-Pressure Piping Components

D3462/D3462M—~~10A~~ 2016 Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules

E2556/E2556M—~~10~~ 2010(2016) Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment

CSA

Errata 2021 IRC Chapter 44

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Referenced Standards
Posted: November 1, 2021

CSA

A112.18.6—~~2021~~ 2017/CSA B125.6—~~21~~ 17 Flexible Water Connectors

A112.19.7—2012/CSA B45.10—2012~~(R2021)~~ (R2017) Hydromassage Bathtub Systems

ASME A112.3.4—~~2013~~ 2018/CSA B45.9—~~18~~ 2018 Macerating Toilet Systems and Related Components

ASME A112.4.2—2015/CSA B45.16—~~15~~ 2015(2020) Water-closet Personal Hygiene Device

ASME A112.18.2—~~2019~~ 2020/CSA B125.2—~~19~~ 2020 Plumbing Waste Fittings

ASSE 1016—~~2020~~ 2017/ASME A112.1016—~~2020~~ 2017/CSA B125.16—~~2020~~ 2017 Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations

ASSE 1070—~~2015~~ 2020/ASME A112.1070—~~2015~~ 2020/CSA B125.70—~~15~~ 2020 Performance Requirements for Water-temperature-limiting Devices

B356—10~~(R2015)~~ (R2020) Water Pressure Reducing Valves for Domestic Water Supply Systems

MSS

Errata 2021 IRC Chapter 44

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Referenced Standards
Posted: November 1, 2021

MSS

SP-58—~~2018~~ 2009 Pipe Hangers and Supports—Materials, Design, Manufacture, Selection, Application and Installation

SP-67—~~2017~~ 2011 Butterfly Valves

SP-71—~~2018~~ 2011 Gray Iron Swing Check Valves, Flanged and Threaded Ends

SP-80—~~2013~~ 2019 Bronze Gate, Globe, Angle and Check Valves

SP-122—~~2017~~ 2012 Plastic Industrial Ball Valves

NEMA

Errata 2021 IRC Chapter 44 Referenced Standards

Code/Standard: 2021 International Residential Code
Applies to following Printings: all printings
Section/Table/Figure Number: Chapter 44
Posted: July 13, 2023

Correction:

NEMA

National Electrical Manufacturers Association
1300 North 17th Street, Suite 900
Rosslyn, VA 22209

OS 4-2016:
Requirements for Air-Sealed Boxes for Electrical and Communication Applications
N1102.4.6

Correlation Notes: **RE109-19**

NSF

Errata 2021 IRC Chapter 44

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Referenced Standards
Posted: November 1, 2021

NSF

358-4—~~2017~~ 2018 Polyethylene of Raised Temperature (PE-RT) Pipe and Fittings for Water-based Ground-source (Geothermal) Heat Pump Systems

359—~~2011(R2016)~~ 2016 Valves for Crosslinked Polyethylene (PEX) Water Distribution Tubing Systems

SMACNA

Errata 2021 IRC Chapter 44

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Referenced Standards
Posted: November 1, 2021

SMACNA

SMACNA/ANSI—~~2016~~ 006-2020 HVAC Duct Construction Standards—Metal and Flexible 4th Edition (ANSI)

WDMA

Errata 2021 IRC Chapter 44

Code/Standard: 2021 International Residential Code
Applies to following Printings: 1st printing
Section/Table/Figure Number: Referenced Standards
Posted: November 1, 2021

WDMA

I.S. 11—~~16~~ 18 Industry Standard Analytical Method for Design Pressure (DP) Ratings of Fenestration Products

APPENDIX AC

Errata IRC Appendix AC

Code/Standard/commentary: 2021 International Residential Code

Applies to following Printings: 1st Printing, 2nd Printing

Section/Table/Figure Number: APPENDIX AC
Posted: March 29, 2023

Correction:

APPENDIX AC

RESERVED

~~**EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS**~~

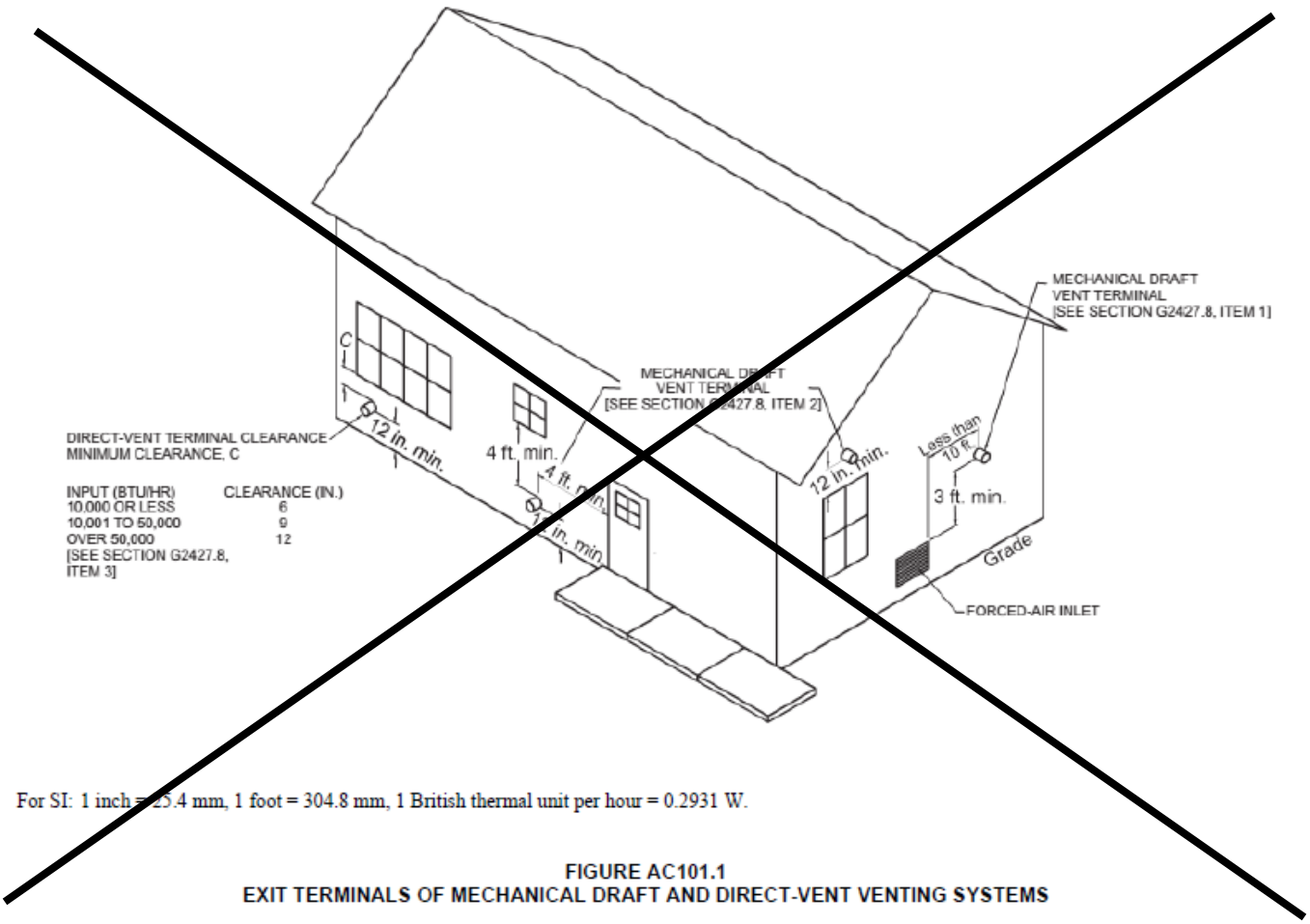
~~*This appendix is informative and is not part of the code. This appendix is an excerpt from the* 2018 International Fuel Gas Code®, *coordinated with the section numbering of the* International Residential Code.~~

~~**User note:**~~

~~***About this appendix:*** *Appendix AC provides a graphic depiction of the venting terminal location requirements of the code.*~~

~~**SECTION AC101**~~
~~**GENERAL**~~

~~**AC101.1 Exit terminal locations.** Location requirements of exit terminals of mechanical draft and direct vent venting systems are provided in Figure AC101.1.~~



For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 British thermal unit per hour = 0.2931 W.

FIGURE AC101.1
EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS

Correlation Notes: Appendix content deleted. Exit terminal requirements were revised and became part of the code.

AJ102.4.3

Errata IRC AJ102.4.3

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: AJ102.4.3

Posted: November 1, 2021

Correction:

AJ102.4.3 Replacement windows for emergency escape and rescue openings. Where windows are required to provide emergency escape and rescue openings, replacement windows shall be exempt R310.2 and ~~R310.4~~ R310.4.4 provided that the replacement window meets the following conditions:

1. The replacement window is the manufacturer's largest standard size window that will fit within the existing frame or existing rough opening. The replacement window shall be permitted to be of the same operating style as the existing window or a style that provides for an equal or greater window opening area than the existing window.
2. Where the replacement window is not part of a change of occupancy.

Window opening control devices and fall prevention devices complying with ASTM F2090 shall be permitted for use on windows serving as a required–emergency escape and rescue openings.

Correlation Notes:

AJ102.5

Errata IRC AJ102.5

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: AJ102.5

Posted: September 14, 2021

Correction:

AJ102.5 Flood hazard areas. Work performed in existing buildings located in a flood hazard area as established by Table R301.2~~(1)~~ shall be subject to the provisions of Section R105.3.1.1.

Correlation Notes:

AJ110.1.1

Errata IRC Appendix J

Code/Standard: 2021 International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: AJ110.1.1

Posted: November 1, 2021

Correction:

AJ110.1.1 Stairways. *Stairways* within the work areashall be provided with illumination in accordance with Section ~~R303.6~~ R303.7.

Correlation Notes:

APPENDIX AU

Errata IRC Appendix AU

Code/Standard: International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: Appendix AU

Posted: August 13, 2021

Correction:

APPENDIX AU

COB CONSTRUCTION (MONOLITHIC ADOBE)

~~*This appendix is informative only and not part of the code.*~~

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.

Correlation Notes: None

Appendix AX

Errata IRC Appendix AX

Code/Standard: International Residential Code

Applies to following Printings: 1st Printing

Section/Table/Figure Number: AX

Posted: November 1, 2021

Correction:

APPENDIX AX(RC)
ZERO ENERGY RESIDENTIAL BUILDING PROVISIONS

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.

User Note:
About this appendix: *This appendix provides requirements for residential buildings intended to result in net zero energy consumption over the course of a year. Where adopted by ordinance as a requirement, Section AX101 language is intended to replace Section N1101.13 .*

SECTION AX 101(RC101)
COMPLIANCE

AX101.1 (RC101.1) Compliance. Existing *residential buildings* shall comply with Section N1109 through N113. New *residential buildings* shall comply with Section AX102.

SECTION AX 102 (RC102)
ZERO ENERGY RESIDENTIAL BUILDINGS

AX102.1 (RC102.1)General. *New residential buildings shall comply with Section AX102.2.*

AX102.2 (RC102.2) Energy Rating Index Zero Energy Score. *Compliance with this section requires that the rated design be shown to have a score less than or equal to the values in Table AX102.2 when compared to the ERI reference design determined in accordance with RESNET/ICC 301 for each of the following:*

1. ERI value not including onsite power production (OPP) calculated in accordance with RESNET/ICC 301, and
2. ERI value including onsite power production calculated in accordance with RESNET/ICC 301 with the OPP in Equation 4.1.2 of RESNET/ICC 301 adjusted as follows

Adjusted OPP = OPP + CREF + REPC **(Equation RB-1)**

Where:

CREF (Community Renewable Energy Facility power production): The yearly energy, in kilowatt hour equivalent (kWh_{eg}), contracted from a community renewable energy facility that is qualified under applicable state and local utility statutes and rules, and that allocates bill credits to the rated home.

REPC (Renewable Energy Purchase Contract power production): The yearly energy, in kilowatt hour equivalent (kWh_{eg}), contracted from an energy facility that generates energy with photovoltaic, solar thermal, *geothermal energy*, or wind systems, and that is demonstrated by an energy purchase contract or lease with a duration of not less than 15 years.

TABLE AX102.2 (RC102.2)
MAXIMUM ENERGY RATING INDEX[a]

CLIMATE ZONE	ENERGY RATING INDEX not including OPP	ENERGY RATING INDEX including Adjusted OPP (as proposed)
1	43	0
2	45	0
3	47	0
4	47	0
5	47	0
6	46	0
7	46	0
8	45	0

a. The building shall meet the mandatory requirements of Section N1106.2, and the building thermal envelope shall be greater than or equal to the levels of efficiency and SHGC in Table N1102.1.2 or Table N1102.1.4. of the 2015 *International Residential Code*.

Correlation Notes: RE223-19 AMPC2