

Section	2021 IRC Code Changes A=Addition C=Clarification D=Deleted M=Modification	Type
R102.7.1	The code references the IEBC only when alterations are part of a change to a use or occupancy outside the scope of the IRC.	C
R202	EMERGENCY ESCAPE AND RESCUE OPENING --grade floor 44"	C
R202	Townhouse v townhouse unit (2 sides)	C
R301.1.4	Shipping containers (Use IBC 3115)	A
R301.2	Updated wind maps match IBC and ASCE 7 maps with a large portion of the country having wind speeds less than 115 mph NOTE: SC wind and seismic maps (residential only) are at SCLLR	M SCLLR
R301.2.1(1)	Component and cladding wind pressures in Table R301.2.1(1) are updated for new design wind speeds and hip or gable roofs	M
R301.2.1.1	Engineered design requirements for special wind regions are explicitly stated in Section R301.2.1.1 (140 MPH)	C
R301.2.2.6	Irreg. building limitations for hillside light-frame construction	A
R301.2.2.10	Water heaters and <u>thermal storage</u> units in Townhouses in SDC C must be anchored	M
R301.3	Maximum story height for wood wall framing is 13 feet 7 inches when the exception requirements are met	C
302.1 # 6	Subdivision prior to 2012 IRC can have 3' setback	LLR
302.1 #7	Townhouse common wall - 18" overhang -1 hr construction	LLR
R302.2	Fire sprinkler piping is allowed in common Townhouse walls & exterior common walls need to be fireblocked	M
R302.3	Fire-resistance-rated separation between duplex not affected by the presence of a lot line between the units	M
R302.4	Water-filled fire sprinkler do not require a firestop system provided ...	C
R302.4.1	No penetrations pass through townhouse walls (electric)	LLR
R302.5	Doors between the garage and residence must be self-latching NOTE: SCLLR removed this	C SCLLR
R302.13 Ex 2	l joist in crawlspace does not require ½ gypsum	SCLLR
R303.1	Kitchen egress windows exception	C

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R304.4	Mechanical ventilation (HVAC) sealed house (energy code) SC LLR deleted this section	SCLLR
R305.1	Minimum ceiling height is reduced to 6 feet 6 inches under beams spaced at least 36 inches apart (any room)	M
F307.1	12" not 15" between toilet and tub	SCLLR
R308.4.5	The word "facing" replaced with the words "adjacent to" for those elements related to wet surfaces.	C
R308.6	Broken glass retention screen requirements for skylights (non-tempered)	C
R310.1	Emergency escape and rescue openings require a clear 36-inch-wide path to a public way.	C
R310.2	Emergency escape openings under decks, porches and cantilevers require a path not less than 36 inches wide	M
R310.3 & 4	Provisions for window wells and area wells serving emergency escape and rescue openings have merged into one section	M
R310.5-7	Opening dimensions have been reduced for emergency escape and rescue openings for a basement remodel, basement addition and for a change of occupancy	M
R311.7 & 8	Provisions of Sections R311.7 and R311.8 apply only to stairways and ramps within or serving a building, porch, deck	C
R311.7.5.1	8" block stairs are allowed	SCLLR
R311.7.7	Exterior landing at stairs 1/20 max (water drain off)	M
R312.1.1	Guards on deck if slope does not exceed 3/12 if not more than 30" off grade	SCLLR
R312.2	Revised language clarifies that measurements NOTE –SC LLR removed this section	C SCLLR
R313	Residential sprinklers not required	SCLLR
R314.3	smoke alarms addressed high ceilings adjacent to bedrooms	M
R315.2.2	existing fuel-fired system trigger carbon monoxide alarms	M
R317.1	The provisions of Section R317.1 have been reorganized SCLLR Field Treatment: AWPA M4 or Manufacturer recommendation	C SCLLR

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R318.1	SC Law Section 27-1085 – Termites Pest control act	SCLLR
R318.4	Foam Plastic 6" gap foundation wall	SCLLR
R320	Accessibility owner-occupied lodging houses 5 guestroom exempt Live work unit –see IBC 1108.5.2.1 4 or more = type B units	M
R322.1	Flood Hazard –freeboard increased in (FEMA) CRS program)	SCLLR
R323	Now just ICC 500 not ICC/ NSSA 500	C
R324.3	Solar Panels UL1703 (old) UL61730-1 (New) Solar shingles (BIVL) = no fire access required	M
R326 (new)	Habitable attic section revised SCLLR (326.3 1.1) 3/4 of the story below (326.3.1.2 deleted)	M SCLLR
T403.1	Concrete footing table(s) revised	M
R404.1.9.2	Piers 10 x least dimension and filled with M or S mortar	SCLLR
R406.2	High water –6 mil poly removed as waterproofing (walls)	D
408.3	Unvented crawl vapor retarder ASTM E1745 Class A (not poly)	SCLLR
R408.4	Crawlspace access can be provided under a door	SCLLR
R408.8	Southeast US under floor vapor barrier required SC LLR deleted this section	A SC LLR
R502.11.4	Truss plan required at inspection (not plan review)	SCLLR
R502.2.3 R502.2.3	10 mil ASTM E1745 Class A vapor barrier (below grade) SCLLR included vapor barrier required for garages	C SCLLR
R507	Deck design is now based on live and snow loads	M
R507.3	Footer required for all decks (except -200sq/ft 20" high)	M
R507.4	Tributary area supported by a post = post height	M
R507.5	The deck beam span table is split into multiple tables (snow)	M
R507.6	Cantilever spans are now specifically based on maximum joist (Rule of thumb) 1/4 of the span	M
R507.7	Wood decking table is updated to show maximum on-center joist spacing for single- and multi-span configurations	M

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R507.10	Specific requirements for deck guardrails	A
T602.3(1)	roof and walls (interior) nailing pattern spacing reduced (6" edge and field) NOTE exterior wall nailing did not change (R602.3(3))	M
T602.3(2)	Staples used for sheathing over 110 MPH = 3" on center (footnote G)	C
R602.9	Cripple wall requirements apply only to exterior cripple walls	C
R602.10.1.2	Limits placement of a braced wall line	M
R602.10.2.2	Code is clarified for the starting point of the first braced wall panel when not placed at the corner of the structure	C
R602.10.3(1)	Rows are added to the table for 95 mph wind speeds	M
R602.10.3(3)	Labeling and footnotes are updated to clarify use of the table	C
R602.10.3(4)	Table is updated to clarify the limits of brick veneer use and when additional bracing must be used on the building	C
R602.10.6.5	Veneer applications in high seismic areas are broken into first story and veneer above the first story applications	C
R609.4.1	Garage doors label identifying wind pressure ratings	A
R702.7	Vapor retarder reorganized (not required in Zone 1,2,3)	M
R703.2 R703.7.3	Language for water-resistive barriers is clarified with wet or dry climates specifically considered	M
T703.8.4(1)	Larger air gaps are allowed behind veneer to accommodate thicker continuous insulation	M
R703.11.2	Wind pressure ratings for vinyl siding are decreased (foam plastic)	M
R704	Soffit material and installation are expanded (high wind) Vinyl??	A
R802	Revised provisions clarify ridge and ceiling joist requirements	M
T802.5.2(1)	The heel joint connection table is updated for rafter spans	M
R802.10.1	Truss drawing at jobsite, not plan review	SCLLR

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R802.6	Text is added to clarify when a ridge board connection is sufficient for bearing.	M
R802.10.1	Truss drawing at jobsite, not plan review	SCLLR
T804.3	Connections for steel roof framing members are updated	M
R905.4.4.1	Requirements for metal shingle (3 sq/ft) wind resistance added	A
	Chapter 11 Energy Code Deleted	SCLLR
M1411.6	Refrigeration Pipe insulation R2.5 (code R3.0)	SCLLR
M1411.9	Locking refrigerant access ports (deleted)	SCLLR
M1502.3	Dryer Vents (delete 3' from openings and soffits)	SCLLR
M1502.4.2	Dryer vent supported 18" of joint / 8' OC / non-combustible strap/ no screws	SCLLR
M1502.4.6	Dryer Vent 35' max	SCLLR
M1503.6	Range vents over 400CFM = Makeup air & accessible dampers	SCLLR
M1504.3	Exhaust opening (3 ft from property lines & door/ windows) (10' from mechanical openings unless 3' above)	SCLLR
M1505	30 percent reduction to the mechanical ventilation airflow rate for balanced ventilation systems	M
M1601.4.1	Snap-lock and Button lock (HVAC joints must be sealed)	SCLLR
M1802.4	An additional safety device for oil-fired appliances	A
M2101	Ground source heat pump piping systems apply to all hydronic piping systems	M
G2403	Gas main cutoff if none is available	M
G2414.8.3	Thread joint sealants are now required for assembling threaded joints in gas piping	M
G2415.5	Approved for concealed locations (Plugs and caps)	C
G1418.2	Gas pipe hangers can be other than metal	SCLLR
G2427.5.5.1	Replace a gas applicant to a masonry chimney –it must be relined to NFPA 211	M
G2427.8	Gas vent termination new tale to replace Appendix C	C
G2439.5	Gas dryers exhausting more than 200 CFM –need 100 sq/in of makeup air (if in a closet)	C
G2447.2	No commercial Gas ranges in Residential (R3)	M

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P2503.5.1	Water test of DWV systems has increased from 5 feet to 10 feet. Air vacuum testing is now permitted for plastic piping DWV systems	M
P2503.6	Shower liner (pan) test 2" or depth of threshold (15 min)	SCLLR
P2603.2.1	Nail guards do not have to have screws unless required by manufact.	SCLLR
P2603.5	(water no) Soil and waste piping can be installed on the exterior	SCLLR
P2708.4 P2713.3	Low flow shower heads NOTE: SCLLR deleted See above	SCLLR
P2903.10	Freeze proof hose bibbs (SCLLR deleted)	SCLLR
P2904	Revisions expand practices to more closely align with NFPA 13D	M
P2404.2.4.2.1	Sprinklers from the center of a ceiling fan 3'	SCLLR
P2905.3	Hot water 100' max 20 degrees	A
P3005.2.10.1	Removable traps & toilets are considered cleanouts	C
P3011	Relining of existing building sewer & inspections	M
E3601.8	Electrical service disconnect is required in an outdoor location	A
E3606.5	A surge-protective device (SPD) is now required at the panel SCLLR deleted this section	A SCLLR
E3703.4	Only required bathroom receptacle dedicated 20-amp circuit	C
E3703.5	Only required receptacle 20-amp dedicated circuit for garages	M
E3802.4	NM ok to nail to bottom of floor joist	SCLLR
E3901.4	SCLLR changed - Island receptacle 2 minimum 2' max from each end. On for each 6' or fraction thereof	M SCLLR
E3902	GFCI protection is required for up to 250-volt receptacles SCLLR deleted the 250 volt requirement	M SCLLR
E3902.5	SCLLR changed -walkout basement (finished) are not required GFCI protection	M SCLLR
E3902.17	Arc-Fault not required in Kitchen and Laundry	SCLLR
E4002.14	Tamper resistant receptacle not required on 250v	SCLLR
Chapter 44	CSA C22.2 60335-2-40 changed for 2012 edition to 2019 edition	SCLLR
Appendix	SCLLR adopted (AH Patio Covers) (AJ Existing Buildings) (AQ Tiny houses)	SCLLR