

City of Prescott 2024 International Residential Code Significant Changes

CODE SECTION	SCOPE OF CODE CHANGE	CODE CHANGE YEAR	TYPE OF CHANGE TO CODE SECTION	FIELD INSPECTION	NOTES ON PLANS	DETAILS ON PLANS	MISC. NOTES
R102.6.1	The code references the international Existing Building Code (IEBC) only when alterations are part of a change to a use or occupancy outside the scope of the IRC. References IBC if changes or alterations go outside the scope of the IRC.	2021	Modification				
R301.1.4	Intermodal shipping containers added to code with references to IBC 3115 for structural requirements.	2021	Addition				
R301.2	Updated wind speed maps	2021	Modification				
R301.2.2.6	Irregular building limitations now include hillside light-frame construction where slope exceeds 1 vertical in 5 horizontal, and the tallest cripple wall exceeds 7 feet	2021	Addition			X	
R301.2.3	The snow load map is updated to show snow loads across the us.	2024	Modification		X		
R302.3.5	Additional details are added for stacked two-family dwelling units. Either sprinklers or horizontal and vertical assemblies	2024	Addition	X		X	
R302.3.6	Shared accessory rooms and their fire separation requirements mirror requirements for attached garages.	2024	Addition			X	
R302.5	Doors between the garage and residence must be self-latching	2021	Clarification		X		
R303	Ceiling height – Beams and girders spaced apart not less than 36 inches in clear finished width shall project not more than 78" from the finished floor.	2021	Modification			X	
R305.1	New standards for foam plastic materials and their applications are added to Section R303.	2024	Addition		X		

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R310.1	Emergency escape openings require clear 36 inch wide path to the public way,	2021	Clarification			X	
R310.2	Emergency escape openings under decks, porches and cantilevers require a path not less than 36 inches wide	2021	Modification			X	
R310.3	Smoke alarms shall be installed within the room to which a sleeping loft is open, in the immediate vicinity of the sleeping loft.	2024	Addition		X		
R310.13.1	Smoke alarms allowed to be installed not less than 6 feet from permanently installed cooking appliances, when unable to meet the 10 foot required separation,	2024	Modification		X		
R314.3	A new location requirement for smoke alarms addresses high ceilings adjacent to hallways serving bedrooms. 24 inches or more.	2021	Modification		X		
R315	New definition and provisions for sleeping lofts	2024	Addition		X		
R317	EV charging stations and automotive lift requirements are added to address installation requirements.	2024	Addition			X	
R322.3	A direct reference links care facilities to accessibility requirements in the IBC.	2024	Addition			X	
R323	A hoistway standard is added for private residence elevators	2024	Addition			X	
R326	Habitable attics moved to Section 326, new restrictions and now require a fire sprinklers.	2021	Modification			X	
R329.6.4	Building-Integrated Photovoltaic Systems (BIPV) should be marked from below to identify hazardous areas for emergency responders.	2024	Modification	X		X	

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R330.4	Openings and penetrations in locations housing Energy Storage Systems (ESS) shall be protected similarly to garages.	2024	Modification			X	
R330.8	Vehicle Impact protection requirements are added for Energy Storage Systems (ESS)	2024	Addition			X	
Table R403.1(1)	Minimum width and thickness for concrete footings for light frame construction are revised to more accurately reflect current practice.	2021	Modification			X	
R401.4	Where the seismic design category is C or greater, and where soil testing is performed, it is required to include the site class.	2024	modification			X	
R406.2	Foundation waterproofing: Six-mil polyvinyl chloride and polyethylene fabrics are removed from the list of approved waterproofing materials	2021	Deletion		X		
R502.11	Details for bracing a floor system when attaching a guard are added. This bracing applies where guards are required, including at the edge of mezzanines and decks.	2024	Addition	X		X	
R506.2	A referenced standard for post-tensioned slabs on ground is added. PTI DC 10.5.	2021	Modification	X		X	
R507.1	Decks shall be designed for the live load required in section R301.5 or the ground snow load indicated in table R301.2, whichever is greater.	2021	Modification			X	
R507.3	Clarifications are made for Freestanding Deck footing exceptions and a tributary area of 5 psf is added to the deck footing size table.	2021	Modification			X	

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R507.5	The deck beam span tables is updated by adding options for deck joist spans and cantilevers.	2024	Modification			X	
R507.5.1	Deck beam bearing requires all plies of a beam to be supported by a post or wall.	2024	Clarification			X	
R507.9.1.5 To R507.9.1.8	Specific requirements for flashing detailing at deck ledgers are added to the deck section.	2024	Addition			X	
R507.10	Specific requirements for deck guards are added	2021	Addition			X	
R602.10.2.2	A figure showing the location of braced wall panels relative to the end of a braced wall line is updated for clarity.	2024	Clarification			X	
R602.10.3	Terminology for wall height is clearly defined and updated in the bracing tables with a new figure added for clarity.	2024	Addition		X		
R609.4.1	All garage doors must have a permanent label identifying wind pressure ratings among other information	2021	Addition		X		
R703.18	Fiber-Mat reinforced cementitious backer board may be used in exterior wall applications.	2024	Addition			X	
Table R703.8.4(1)	Larger air gaps are allowed behind veneer to accommodate thicker continuous insulation.	2021	Modification			X	
R704	Requirements for soffit material and installation are expanded.	2021	Addition			X	
R704	Aluminum soffits and fascia are now specifically addressed in the exterior soffits and fascia section.	2024	Modification			X	
R905.3.6	Explicit requirements for wind resistance of concrete and clay tiles are added.	2024	Addition			X	

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R905.4.4.1	Requirements for metal shingle wind resistance are added.	2021	Addition			X	
R905.5.6	Explicit requirements for wind resistance of mineral surfaced roll roofing	2024	Addition			X	
R905.6.5	Explicit requirements for wind resistance of slate shingles are added.	2024	Addition			X	
R905.7	Wind resistance requirements are added while sheathing requirements are updated for wood shingles and shakes.	2024	Modification			X	
R905.9.4 R905.10.5 R905.11.4	Explicit requirements for wind resistance are added for built-up and modified bitumen and for metal roof panels	2024	Modification			X	
R905.12 R905.13.4 R905.14.4	Requirements for single-ply roofing are updated, and wind resistance requirements are added for liquid-applied and sprayed polyurethane foam roofing.	2024	Modification			X	
R905.15 R905.16	Building-integrated photovoltaic (BiPV) roof panel and shingle provisions are updated to provide minimum deck sheathing and attachment requirements.	2024	Modification			X	
M1411	Requirements are added for identification of refrigerants.	2024	Addition		X		
M1502.6	Makeup Air. Installations exhausting more than 200 cfm shall be provided with makeup air.	2024	Modification		X		
M1505	The code now allows a 30% reduction to the mechanical ventilation airflow rate for balanced ventilation systems.	2021	Modification		X		
M1802.4	An additional safety device for oil-fired appliances has been added to be consistent with what is required for some gas-fired appliances. Blocked Vent Switch.	2021	Addition		X		

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M2002.4	Boiler pressure relief valve and discharge pipe. The requirements for a discharge pipe are added to mirror the requirements within the 2021 IMC.	2024	Addition		X		
G2407.12	Protection from fumes and gases. The section on corrosive and flammable products is rewritten to require a mechanical room or direct vent appliance.	2024	Clarification			X	
G2414.8.3	Thread joint sealants are now required for assembling threaded joints in gas piping.	2021	Modification		X		
G2415.5	Plugs and caps have been added to the list of threaded fittings approved for concealed locations.	2021	Clarification		X		
G2417.7.3.1	Purging of fuel gas piping that will be abandoned in place is required.	2024			X		
G2427.5.5.1	The exception allowing an existing chimney to vent replacement appliances has been deleted.	2021	Modification		X		
G2447.2	The exception allowing a commercial cooking appliance in a dwelling unit when the installation is designed by an engineer has been removed from the code.	2021	Modification				
P2503.5.1	Drain, Waste and Vent Systems Testing: The head pressure for a water test of drain, waste and vent (DWV) systems has increased from 5 feet to 10 feet. Air vacuum testing is now permitted for plastic piping DWV systems	2021	Modification	X			
P2503.5.2	DWV system final test: The final test requirement changes to a generic visual test. Watertightness must be evaluated.	2024	Modification	X			
P2709.3	Shower receptors must be tested for watertightness	2024	Clarification				DELETED

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P2717.2	A standpipe is added as an option of connecting the dishwasher to the wastewater line.	2024	Modification			X	
P2801.5.3	If the base of a water heater may be damaged by water in the drain pan, then the water heater must be raised above the flood level of the pan	2024	Addition			X	
P2801.8	Water heaters are limited to lead content of less than 0.25 percent.	2024	Addition		X		
P2903.6	Existing pipe used for Grounding: A new means of grounding must be installed before metal pipes used to ground the house are removed.	2024	Addition		X		
P2904	Revisions throughout Section P2904 expand installation practices to more closely align with NFPA 13D	2021	Modification				DELETED
P2905.3	The code now limits the length of hot water piping serving fixtures. Shall not exceed 100 feet.	2021	Addition		X		
P3005.2.10.1	Removable traps and removable fixtures with integral traps are acceptable for use as cleanouts.	2021	Clarification		X		
P3011	The code recognizes various available technologies for relining of existing building sewer and building drainage piping and clarifies the inspection procedure.	2021	Modification	X			
E3501 E3905.6.3 E4101.6	Requirements for paddle fans are clarified while clearance requirements in bathrooms are added.	2024	Modification		X		
E3601.8	An emergency service disconnect is required in a readily accessible outdoor location.	2021	Addition			X	

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E3606.5	A surge-protective device (SPD) is now required at the service panel.	2021	Addition			X	
E3607.2	Additional locations are prohibited for connection of the grounding electrode.	2024	Clarification		X		
E3703.4	Only the required bathroom receptacle outlets or those serving a countertop need to be on the dedicated 20-amp bathroom circuit.	2024	Modification			X	
E3703.5	Only the required receptacle outlets must be on the dedicated 20-amp dedicated circuit for garages.	2024	Modification			X	
E3704.2	The feeder load calculation table adds EV cars and other vehicles to the calculation procedure.	2024	Modification			X	
E3901.4	The number of receptacle outlets required for peninsular and island countertops in kitchens is determined by the area of the countertop surface.	2021	Modification			X	
E3901.4	Islands and countertops may no longer have receptacle outlets below the counter.	2024	Modification			X	
E3901.9	Receptacle outlets supplying a security system may not be the only outlet in an unfinished space.	2024	Modification			X	
E3902.12	GFCI protection must be contained in receptacle outlets or their branch circuit for most kitchen appliances.	2024	Modification			X	
E3902	Ground fault circuit interrupter (GFCI) protection is required for up to 250-volt receptacles in the areas previously identified as requiring GFCI protection for 125-volt receptacles. The 20-amp limitation has been removed.	2021	Modification			X	

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E3902.5	The requirement for GFCI Protection in unfinished basement areas has been expanded to include all basement areas.	2021	Modification			X	
E3902.10	GFCI protection is now required for indoor damp and wet locations not included in the other specific locations requiring GFCI protection	2021	Addition			X	
E3902.14	Outdoor outlets must be GFCI protected with a few exceptions.	2024	Modification			X	
E3902.15	The requirement to have GFCI protection of light outlets in a crawl space is deleted.	2024	Deletion			X	
E3902.18	A list of receptacles that don't require GFCI protection is added.	2024	Addition			X	
E3903	Light switched may not rely on battery power without backup	2024	Modification			X	
E3905.13	A new section is added limiting screw fastener penetration into boxes.	2024	Addition			X	
E4002.11	Text is added to clarify minimum setback distances for receptacles near a bathtub or shower.	2024	Clarification			X	
E4004.10	Luminaires id fire-rated wall and ceiling assemblies must be listed for use in fire-rated construction.	2024	Addition				
E4206.13 E4206.15	Swimming pool heat pumps and chillers must be listed and rated for their use.	2024	Addition				
E4208.4- E4208.6	Hot tubs and spas in and around single-family homes do not require an emergency shutoff switch.	2024	Clarification				
Appendix							
AF104	Procedures for radon testing are added to Appendix F	2021	Addition				

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AU101	Appendix AU adds a new section on cob construction which has requirements that differ from light straw-clay and strawbale construction.	2021	Addition				
AW101	Appendix AW adds requirements for 3D printed homes	2021	Addition				
AX101	Appendix AX (RC) provides a model for residential construction to achieve net zero energy consumption through the use of renewable energy systems.	2021	Addition				
Appendix	All Appendix reformatted in 2024 code						
BC	A new appendix contains requirements for accessory dwelling units or ADUs	2024	Addition				
BN	Extended plate construction forms a new alternative for wood-framed walls.	2024	Addition				
BO	Appendix BO is updated to give additional guidance for remodels, alterations and additions to home.	2024	Modification				
CG	A prefabricated sanitation system that is not connected to a private sewage disposal system or sewer system is added as an option	2024	Addition				
NE	This appendix provides requirements for electric vehicles charging infrastructure.	2024	Addition				
NF	This appendix provides alternative building assemblies and insulation component R-value solutions that comply with the maximum U-factors and F-factors in Table N1102.1.2	2024	Addition				
NG	This appendix provides additional requirements for residential buildings intended to result in lower energy consumption compared to adoption of the base energy code provisions of Chapter 11.	2024	Addition				

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NH	This appendix provides a means to evaluate a buildings greenhouse gas performance determined in accordance with ANSI/RESNET/ICC 301.	2024	Addition				
NI	This appendix provides prescriptive requirements for renewable energy installed at the time of construction.	2024	Addition				
NJ	This appendix provides requirements for demand responsive controls to be integrated into water heating systems.	2024	Addition				
NK	This appendix provides requirements for electrification readiness.	2024	Addition				
NL	This appendix provides readiness requirements for renewable energy infrastructure.	2024	Delete				
Resource A	This resource provides a pathway for all-electric residential buildings.	2024	Delete				