

Rock Island County – Department of Building Safety

RESIDENCIAL PLAN CORRECTION LIST

Based on the 2009 Edition of the International Residential Code

Owner:	Township/Parcel:
Job Address:	Type of Construction:
City:	Floor Area:
Contact/Phone:	# of Stories above Grade:

Corrections checked below are to be made on plans before permit is issued. The approval of plans and specifications does not permit the violation of the Building Code or other local/state/federal laws.

	GENERAL		FRAMING
1	Show Job Address on plans.	21	*Provide structural section which shows typical framing conditions for this project. (R106.1.1)
2	Give name of person responsible for plans.	22	Specify floor joist spans (R502.3)
3	Submit fully dimensional plot plan. (R106.2)	23	Provide double joists under parallel bearing partitions. (R502.4)
4	Elevation Certificate required.	24	Show headers complying with code. (R502.5)
	LIGHT, VENTILATION & ROOM DIMENSIONS	25	½ in. air space on both sides and rear of girder, beam not to set directly on concrete.
5	Provide exterior glazed openings for natural light (openable exterior openings for natural ventilation) or artificial light and mechanical ventilation. (R303)	26	Show location of lateral load connectors. (R502.2.2.3)
6	Where mechanical ventilation is used in rooms containing a shower or tub, and in laundry rooms, provide ventilation, min 50 cfm. (R303.3)	27	Specify panel span rating for plywood subfloor and roof sheathing. (R503.2.1.1 and table R503.2.1.1(1))
7	All mechanical ventilation shall be exhausted directly to the outside.	28	Specify the grade and thickness of lumber floor sheathing. (Table R503.1)
8	Minimum room sizes: 70 sq ft with 7 ft minimum width; one 120 sq ft room required. (R304)	29	Show single or double tops plates (R602.3.2)
9	Provide 7 ft minimum ceiling height in habitable rooms. (R305)	30	Show braced wall lines and method used. (R602.10)
	FOUNDATIONS	31	Specify ceiling joist spans and type of lumber. (R802.4)
10	*Specify reinforcement in walls and provide foundation sections. (R106.1.1 and R404)	32	Specify roof rafter spans and type of lumber. (R802.5)
11	Specify footing sizes and/or engineering. (R403)	33	Roof trusses shall be braced properly. (R802.10.3)
12	Provide footings with a minimum depth below finish/natural grade of 42". (R403.1.4)	34	Hurricane clips installed. (R802.10.5)
13	All stepdowns to be bulkheaded and continuously poured. NO COLD JOINTS.	35	Purlins and struts shall be supported by bearing walls. (R802.5.1)
14	Footings adjacent to slope. (R403.1.7)	36	Provide rafter ties where ceiling joists and rafters are not parallel. Ties shall comply with R802.3.1. Provide 20 in. X 30 in. minimum scuttle to attic. Cannot be in a closet. (M1305.1.3)
15	Specify pressure-treated foundation plates and sills. (R402.1.2)		GARAGE
16	Bolt foundation and sills to the foundation with ½ in. bolts spaced not more than 6 ft apart. Embed bolts at least 7 in. in concrete or masonry. R403.1.6	37	
17	Support columns installed per manufacturers spec's, screw adjustment IN POURED FLOOR.	38	Openings are not allowed from garages into room used for sleeping purposes. (R302.5.1)
18	Provide under-floor ventilation equal to 1 sq ft of net opening for each 150 sq ft of under-floor area. (R408.1)	39	Show garage framing. (R106.1.1)
19	Provide 18 in. X 24 in. under-floor access opening. (R408.4)	40	Show size of header over garage door opening. (R106.1.1)
20	Specify at least a 3 ½ in. thickness for concrete floor slab on grade. (R506)	41	Provide proper bracing at walls next to garage door. (R602.10)
		42	Floor surface shall be non-combustible. (R309.1)
		43	Appliances shall be elevated 18 in. above the floor surface. (M1307.3)

* Handouts available.

	FIRE RESISTANT CONSTRUCTION
44	Verify exterior wall locations. (R302.1)
45	Specify type of door from garage (R302.5.1)
46	Verify dwelling/garage fire separation. (R302.6)
47	Finish garage side of walls and ceiling according to Table R302.6.
48	Under-stair protection. Enclosed accessible space under stairs shall have walls, under-stair surface and any soffits protected with ½ gypsum. (R302.7)
49	Provide approved fireblocking in walls as specified in R602.8 and R302.11.
50	Provide approved draftstopping in the concealed space between the ceiling and floor above as specified in R302.12.
	MEANS OF EGRESS, STAIRS & GUARDS
51	Doors: exterior doors must have landings not more than 7 ¾ in. lower than floor level and the door shall not swing over the landing. (R311.3.1 exc)
52	Stairways: maximum rise 7 ¾ in.; maximum run 10 in.; minimum headroom 6 ft 8 in.; minimum width 36 in. (R311.6 & R311.7)
53	Provide a graspable handrail for stairways on at least one side. Return ends of handrails or terminate at a newal post. Handrails shall not be less than 34 in. nor more than 38 in. above nosing of treads. (R311.7.7)
54	Provide at least one operable window or exterior door approved for emergency escape or rescue from basements and from every room used for sleeping purposes. (R310)
55	Provide 36 in. guardrails on balconies, porches decks, and landings more than 30 in. above grade, with a railing such that a 4 in. sphere cannot pass through. (R312)
56	Guardrails must be able to resist a 200 lb force in all directions (Table R301.5)
	SMOKE & CARBON MONOXIDE ALARMS
57	Show location of smoke detectors. Every dwelling unit shall be provided with approved smoke detectors equipped with battery backup located in accordance with R314.
58	Show location of carbon monoxide detectors. (R315)
	GLAZING
59	Show locations of safety glazing. (R308.4)
60	Provide window schedule for proper for ratings and U-factors. (R308.1 and N1101.5)
	RADON
61	Gas permeable material under slab. (AF103.2)
62	Soil-gas-retarder, min 6-mil, lapped 12 in (AF103.3)
63	Passive system minimal. (AF103.5)
64	Electrical circuit/outlet installed in attic (AF103.12)

	ROOFING & CHIMNEYS
65	Provide material information. Minimum 90 MPH rated. (R304)
66	Ice barrier required. (R905.2.7.1)
67	Provide details for construction of fireplace and chimney. (Chapter 10)
68	Verify proper attic ventilation. Show intake and type of materials being used. (R806)
69	Factory- built fire places installed per manufacturers installation instruction. (R1004)
	MECHANICAL
70	Heating and cooling equipment; heating and cooling load calculations. (Chapter 14)
71	No gas fired appliances in bathroom or bedrooms. (G2406)
72	Show equipment clearances. (G2409)
73	All mechanical ventilation shall be exhausted directly to the outside.
	PLUMBING
74	Approval from Health Department/Village.
75	Provide drain, waste and vent pipe sizing and riser diagram. (R106.1.1)
76	Verify proper clearances for fixtures. (R307)
77	If PEX is used, lines must be oversized by one size.
78	Show rough-in for future bathrooms. (R106.1.1)
79	All vents through the roof must be 4 in.
	ELECTRICAL
80	Provide calculations for service load. (E3602.2)
81	Identify size and location of service equipment (E3405, E3601, E3606)
81	Verify proper clearances of service equipment. (E3401 and Figure E3405.1)
82	Show location of Ufer ground. (E3608.1.2)
83	Minimum wire size for NM cable is 12 GA (E3406.3)
84	Ground-fault circuit-interrupter protection required in bathrooms, garages, outdoors, crawl spaces, basements, kitchens, 6ft from sinks, heated bathroom floors. (E3902.1)
85	Arc-fault circuit-interrupter protection required in family, dining, rec, living rooms, bedrooms, sunrooms, parlors, library, closets, hallway. (E3902.1.1)
86	Provide general use receptacle within 25 feet of all mechanical equipment as required by NEC 210.63.
87	In general living areas such as living rooms, bedrooms, dining rooms, family rooms, etc., a receptacle shall be located within 6 feet of door openings. Other receptacles shall be spaced at intervals not greater than 12 feet. [210.52(a)(1)]
88	Show exterior lighting locations. (E3903)