

RESIDENTIAL ELECTRICAL INSPECTIONS CHECKLISTS (2014 NEC)

Key Questions for Residential Pre-Inspections

1. What wiring methods will be used, and are the wiring methods suitable for the conditions?
2. Will multiwire branch circuits be used?
3. Are the small-appliance branch circuits located and installed properly (*kitchens, dining room receptacles, etc.*)?
4. What sizes of service equipment, service-entrance conductors, and feeder conductors are required?
5. Is the service overhead or underground?
6. What type(s) of grounding electrode(s) are present?
7. What size(s) of grounding electrode conductor(s) are required?
8. Where is mechanical equipment located, and what types of equipment will be installed?

RESIDENTIAL ROUGH-IN INSPECTION CHECKLIST

Residential Rough-In Inspection: General Requirements (All Areas)			
✓	Item	NEC Reference	Inspection Activity
	1.	Chapter 3, Chapter 7, and Chapter 8	Check wiring methods (<i>usually cable assemblies</i>) for support and suitability for the conditions.
	2.	300.4 and Exceptions	Check cable installation through or parallel to framing members for 32 mm (1¼ in.) clearance or protective steel plates. Protective steel plates must be min. 1.6 mm (1/16 in.) thick (<i>unless listed for lesser thickness</i>) and of the appropriate length and width.
	3.	300.22(C) and Exception	Verify wiring methods located within other spaces used for environmental air is only crossing perpendicular to the long dimension of such spaces.
	4.	314.15, 314.16, 314.27, 422.18	Check boxes for suitability of use (<i>Sized properly for conductor fill, double conductor allowance for devices that require more than one opening, etc.</i>).
	5.	300.15, 314.27, 314.29	Verify that boxes are installed in accessible locations for all junction and outlet boxes.
	6.	314.17(B), 314.17(C), and 314.17(C) Exception	Check that cables are secured to boxes. [<i>Where single gang nonmetallic boxes are used and cable is fastened within 200 mm (8 in.) of the box, securing to the box is not required</i>].
	7.	314.17(B), 314.17(C)	Flexible tubing or cable sheath shall extend not less than 6 mm (¼ in.) inside the box and beyond any cable clamp.
	8.	314.16	Check boxes for conductor fill.
	9.	314.20	Check positioning of boxes that are intended to be flush with combustible and noncombustible finished surfaces.
	10.	250.8(A) and (B), 250.86, 250.146(A) and (C), 250.148(C)	Check for splicing devices on all equipment grounding conductors within boxes and bonding connections to metal boxes.
	11.	250.118, 250.122	Check equipment grounding conductors for suitability and size.
	12.	314.27(B), and (C)	Check boxes used in floors, or for support of ceiling fans, for listing.
	13.	314.27(C)	Verify where spare, separately switched, ungrounded conductors are provided to a ceiling mounted outlet box, that the outlet box or outlet box system is listed for sole support of a ceiling-suspended (paddle) fan.
	14.	410.116(A), 410.116(B)	Check recessed luminaires for proper clearances from combustibles and thermal insulation (<i>typically non-IC rated luminaires</i>).
	15.	* Applicable Energy Code	Verify recessed luminaires are in compliance with the applicable energy codes.

Residential Rough-In Inspection: General Requirements (All Areas) (cont.)			
✓	Item	NEC Reference	Inspection Activity
	16.	* Applicable Building Code	* Verify smoke alarm locations and requirements. <i>*(The applicable Building Code typically covers smoke alarm requirements).</i>
	17.	334.80, 334.112, Table 310.15(B)(3)(a)	Check Type NM cable where installed in bored holed with fire- or draft-stopping for possible correction factors for de-rating of conductors. Same applies for Type NM cable installed in thermal insulation without maintaining spacing between conductors.
	18.	404.2(C)	Check wall switch locations for the presence of a grounded conductor.
	19.	300.5(C)	Verify that any underground cables and conductors installed under a building are installed in a raceway.
	20.	760.41(B), 760.121(B)	Check for an individual branch circuit being provided for NPLFA and PLFA fire alarm systems. This branch circuit cannot be provided through GFCI or AFCI devices.
	21.	210.12(A), (B), and (C)	AFCI protection required on all branch circuits that supply 120 volt outlets in dwelling unit bedrooms, kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, sunrooms, recreation rooms, closets, hallways, laundry areas, or similar locations or areas and protected by a listed combination-type AFCI device. <i>(This would typically be checked and verified on final inspection, but could have impact on rough-in inspection.)</i>

Residential Rough-In Inspection: Kitchen			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(A) and (C)	Check spacing of receptacles for walls and countertops, including islands, peninsulas, and areas behind corner-mounted ranges and sinks.
	2.	210.11(C)(1), 210.52(B)	Verify that a minimum of two 20-A small-appliance branch circuits is used for receptacles in kitchen, pantry, dining room, and breakfast room.
	3.	210.70(A), 210.52(B)(2), 210.70(A)(1) Ex. No. 1	Verify that a wall-switched lighting outlet is provided and wired on a general lighting circuit. <i>(Receptacle outlet cannot be used as lighting outlet in kitchen)</i>
	4.	210.3, 210.22, 210.23, 422.10	Verify that properly sized circuits have been provided for specific kitchen appliances, such as dishwashers, disposals, ranges, cooktops, trash compactors, and the like.
	5.	210.52(B)(1)&(2)	Verify that the two or more small-appliance branch circuits have no other outlets other than receptacle outlets in the kitchen, pantry, dining room, and breakfast room, as well as an electric clock receptacle and electric loads associated with gas-fired appliances.
	6.	210.52(B)(3)	Verify that the kitchen countertop receptacle outlets are supplied by no fewer than two small-appliance branch circuits.
	7.	210.52(B)(3)	In dwellings with more than one kitchen, no small-appliance branch circuit can serve more than one kitchen.
	8.	422.16(B)(4)	If range hood is to be cord-and-plug connected, verify that receptacle is supplied by an individual branch circuit.

Residential Rough-In Inspection: Dining Room			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(A)(1)	Check receptacle outlets for proper spacing.
	2.	210.52(B)(1)	Verify that all required receptacle outlets are supplied by small-appliance branch circuits.
	3.	210.70(A), 210.52(B)(2)	Check for wall-switch-controlled lighting outlet on a general lighting circuit.

Residential Rough-In Inspection: Bathrooms			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(D)	Verify that receptacle outlet(s) are installed on a wall or partition adjacent to and within 900 mm (36 in.) of each basin. <i>(Receptacle not required to be mounted on wall or partition if it is intended to be installed on the side or face of basin cabinet and not more than 300 mm (12 in.) below countertop).</i>
	2.	406.9(C)	Verify that no receptacles are installed within or directly over a bathtub space or shower stall.
	3.	210.11(C)(3) and Ex., 210.23(A)(2)	Verify that receptacle outlets are supplied by dedicated 20-A branch circuit(s). <i>[Where a 20-ampere circuit supplies a single bathroom, other outlets (lighting, etc.) within the same bathroom shall be permitted to be supplied by this circuit].</i>
	4.	680.71	Where a hydromassage tub will be installed, verify that pump motor is supplied by a GFCI protected <i>(which must be readily accessible)</i> individual branch circuit.
	5.	680.73	Where a hydromassage tub will be installed, make sure electrical equipment is accessible without damaging the building finish <i>(access opening)</i> .
	6.	680.73	Where a hydromassage tub will be installed, and where the hydromassage tub is cord- and plug-connected with the supply receptacle accessible only through a service access opening, make sure the receptacle is within direct view and not more than 300 mm (1 ft) from the opening.
	7.	680.74	Where a hydromassage tub will be installed, verify bonding of electrical equipment and grounded metal parts. Verify that copper bonding jumper is long enough to terminate on a non-double-insulated replacement motor.
	8.	210.70, 210.70(A)(1) Ex. No. 1	Check for a wall-switch-controlled lighting outlet on a general lighting circuit <i>(unless exception in Item 3. above is employed)</i> . <i>(Receptacle outlet cannot be used as lighting outlet in bathrooms.)</i>
	10.	240.24(E)	Verify that overcurrent devices <i>(panelboards)</i> , other than supplementary overcurrent protection, are not located in bathrooms.

Residential Rough-In Inspection: Other Habitable Rooms (Bedrooms, Family Rooms, Dens)			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52, 210.52(A), 210.52(2), 210.70(A)(1) Ex. No. 1	Check receptacle outlets for proper spacing. <i>(Switched receptacles do not count as required receptacle for spacing-switching. Shall have ½ of a duplex receptacle not switched to be acceptable).</i>
	2.	210.70(A)(1)	Check for wall-switch-controlled lighting outlets <i>(including switched receptacles)</i> .
	3.	210.12, 210.12(A), 210.12(B)	AFCI protection required on all branch circuits that supply 120 volt outlets in dwelling unit bedrooms, kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, sunrooms, recreation rooms, closets, hallways, laundry areas, or similar locations or areas and protected by a listed combination-type AFCI device. <i>(This would typically be checked and verified on final inspection, but could have impact on rough-in inspection.)</i>

Residential Rough-In Inspection: Hallways and Foyers			
✓	Item	NEC Reference	Inspection Activity
	1.	210.70(A)(2)	Check for at least one wall-switch-controlled (or automatic-, remote-, or centrally controlled) lighting outlet.
	2.	210.52(H)	Verify that hallways with a continuous length of 3.0 m (10 ft) or more have at least one receptacle outlet to serve that hallway.
	3.	300.3(C)(1), 725.136(A)	Verify door bell chimes location and wiring method, as well as the voltage of the conductors <i>(chimes typically located in hallways)</i> . <i>(Separation is typically required between 120 volt wiring and Class 2 wiring.)</i>

Residential Rough-In Inspection: Hallways and Foyers (cont.)			
✓	Item	NEC Reference	Inspection Activity
	4.	210.52(I)	Verify that foyers [with an area that is greater than 5.6 m ² (60 ft ²)] that are not part of a hallway have a receptacle(s) located in each wall space 900 mm (3 ft) or more in width.

Residential Rough-In Inspection: Stairways			
✓	Item	NEC Reference	Inspection Activity
	1.	210.70(A)(2)	Check for at least one wall-switch-controlled (or automatic-, remote-, or centrally controlled) lighting outlet.
	2.	210.70(A)(2)(c)	Verify that wall switches are provided at each floor level, landing level, and entry ways where there are six or more risers between levels.
	3.	240.24(F)	Verify that panelboards (overcurrent devices) are not being located in a stairway (landings would be acceptable with proper OCPD heights, and working space clearances).

Residential Rough-In Inspection: Closets			
✓	Item	NEC Reference	Inspection Activity
	1.	410.16	Where luminaires are installed, check clearances between luminaires and designated closet storage spaces.
	2.	110.26(B), 240.24(D)	Verify that overcurrent devices (panelboards) are not located in the vicinity of easily ignitable material, such as in clothes closets.

Residential Rough-In Inspection: Laundry Area			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(F)	Verify that at least one receptacle outlet is installed for the laundry area equipment.
	2.	210.11(C)(2)	Verify that a dedicated 20-A circuit supplies the laundry outlet(s) and no other outlets other than laundry outlet(s).
	3.	210.50(C)	Check for an appliance receptacle outlet located within 1.8 m (6 ft) of the intended appliance location.
	4.	422.10, 250.134, 250.138, 250.140, 220.54	For other appliances such as 240 volt clothes dryers (if used), check for proper branch-circuit conductors, including equipment grounding conductors.
	5.	210.11(C)(2), 210.70(A)(1)	Verify that lighting outlets for the area are supplied from general lighting circuits.

Residential Rough-In Inspection: Attached Garages and Detached Garages or Accessory Buildings with Electric Power			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(G)(1)	For garages, verify that at least one receptacle outlet is provided for each car space. (The branch circuit supplying this receptacle(s) shall not supply outlets outside of the garage.)
	2.	210.70(A)(2)(a) & (b)	Verify that a wall-switch-controlled lighting outlet is provided.
	3.	210.17	If an outlet for the purpose of charging of an electric vehicle is installed, verify that the outlet(s) installed are supplied by a separate branch circuit. This circuit shall have no other outlets.

Residential Rough-In Inspection: Basements and Attics			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(G)	Verify that at least one receptacle outlet is provided in unfinished basement areas in addition to any receptacles installed for specific equipment.
	2.	210.63	Verify that a receptacle outlet is installed within 7.5 m (25 ft) (<i>provided for servicing mechanical equipment</i>), on the same level as the equipment.
	3.	422.12, 422.12, Ex. 1 and Ex. 2	Verify that individual branch circuits are supplied for any central heating equipment provided. (<i>Auxiliary equipment and permanently connected air conditioning equipment permitted to be connected to same branch circuits.</i>)
	4.	210.70(A)(3)	Verify that a wall-switch-controlled lighting outlet or a lighting outlet containing a switch is provided at the normal entrance to equipment requiring servicing (<i>lighting outlet needs to be at or near the equipment</i>).
	5.	320.23, 330.23, 334.23, 334.15, 334.15(C), 320.15	Check accessible attics, attic entrances, scuttle holes, basements, and crawl spaces, for clearances from or protection of cable assemblies.
	6.	334.15(B)	Verify that Type NM cable installed in shallow chases or groves are protected from physical damage.

Residential Rough-In Inspection: Outdoors			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(E)(1)	Check for at least two receptacle outlets, readily accessible while standing at grade level and located not more than 2.0 m (6½ ft) above grade level, one each at the front and back of the dwelling.
	2.	210.52(E)(3)	All balconies, decks, and porches (<i>that are attached and accessible from inside the dwelling</i>) required to have at least one receptacle accessible from the balcony, deck, or porch. This outlet shall not be located more than 2.0 m (6½ ft) above the balcony, deck, or porch walking surface.
	3.	210.63	Verify that a receptacle outlet is installed within 7.5 m (25 ft) and provided for servicing mechanical equipment and on the same level as equipment.
	4.	334.12(A)(9), 334.12(B), 334.15(B), 300.5(B)	Verify cable assemblies (<i>such as Type NM cable</i>) are properly sleeved through concert or brick. (<i>Type NM and NMS not allowed in wet or damp locations. The interior of conduit in or beneath a slab (underground) is considered a wet location</i>)
	5.	210.70(A)(2)(b)	Check for wall-switch-controlled (<i>or remote-, central-, or automatic-controlled</i>) exterior lighting outlets at outdoor entrances or exits with grade-level access. (<i>vehicle door in a garage not considered an entrance or exit</i>)
	6.	300.5(B), 300.5(E), 300.9, 310.10(C), 110.14(B), 310.104, 310.106(C)	Verify that conductors and any splices or terminations installed outdoors are suitable for a wet location.

RESIDENTIAL SERVICE, FEEDER, AND GROUNDING INSPECTIONS CHECKLISTS

Note to Reader: The following inspection items are typically performed as part of either the rough-in or final inspection. They have been broken out into a separate checklist for clarity and emphases.

Residential Service, Feeder, and Grounding Inspections: Services			
✓	Item	NEC Reference	Inspection Activity
	1.	Article 220, 220.82(A), 230.42, 230.42(B), 230.79	Review the calculation of service load, and determine the minimum size of service conductors.
	2.	310.15(B)(7)(1) through (4), Table 310.15(B)(16), Annex D, Example D7	Verify that service conductors and/or service-entrance conductors and the main power feeder are sized properly per the ampacity values and adjustment factors of 310.15(B)(7) (<i>83% reduction permitted</i>).
	3.	230.66, 230.70(B), 230.70(C)	Verify that service equipment is identified as suitable for use as service equipment and listed as such.

Residential Service, Feeder, and Grounding Inspections: System Grounding (cont.)			
✓	Item	NEC Reference	Inspection Activity
	12.	250.104(B)	Verify that all metal piping systems such as metal gas piping are bonded together, and that bonding jumpers are properly sized. <i>(The equipment grounding conductor for the circuit that may energize the piping shall be permitted to serve as the bonding means).</i>
	13.	250.80, 250.92,	Verify that service raceways and enclosures are properly grounded and bonded.
	14.	250.94	Verify existence of intersystem bonding termination, for connecting intersystem bonding and grounding conductors required for other systems.
	15.	250.24(C)(1), Table 250.102(C)(1), 310.15(B)(7)(4)	Verify the proper sizing of the grounded (<i>neutral</i>) conductor.

Residential Service, Feeder, and Grounding Inspections: Feeders and Panelboards			
✓	Item	NEC Reference	Inspection Activity
	1.	210.19, 215.2, Article 220, 310.15, 334.80, 338.12(B)	Review the calculation of feeder and branch circuit loads, and verify that the proper conductors or cables are being used. Verify that cables and conductors are properly sized and rated, for ampacity, ambient temperatures and length of conductors.
	2.	310.15(B)(7)	When sizing the main power feeder, verify that this main power feeder supplies <u>all</u> loads that are part of or associated with the dwelling unit.
	3.	Article 220, 408.30, 408.36, 408.58	Verify proper marking, ratings and overcurrent protection of panelboards.
	4.	110.26, 240.24	Check for proper location, accessibility, working clearances, and dedicated electrical spaces around panelboards.
	5.	210.11(A)	Verify that at least the minimum number of overcurrent devices and branch circuits have been provided.
	6.	408.36, 408.54	Check panelboards for excessive number of circuits and circuit provisions <i>(per manufacturer's specifications and listing)</i> .
	7.	408.55	Verify that the wire-bending space within an enclosure containing a panelboard is in conformance.
	8.	250.24(A)(5), 250.142(B), 310.106(D)	Verify that the grounded conductor of a feeder circuit is insulated and isolated from equipment grounding conductors and grounded enclosures.
	9.	215.6, 250.32(B), 250.118, 250.122, 408.40	Verify that panelboards are grounded by an appropriate and properly sized equipment grounding conductor(s).
	10.	408.41	Verify that each grounded conductor terminates within the panelboard on an individual terminal that is not also used for another conductor.
	11.	250.24(C)(1), Table 250.102(C)(1)	Verify the proper sizing of the grounded (<i>neutral</i>) conductor for all feeders.

RESIDENTIAL FINAL INSPECTIONS CHECKLISTS

Residential Final Inspection: General Requirements (All Areas)			
✓	Item	NEC Reference	Inspection Activity
	1.		Check for correction of any deficiencies noted on previous inspections.
	2.	314.20	Check positioning of boxes intended to be flush with combustible and noncombustible finished surfaces.
	3.	406.5, 406.6	Check for proper positioning of receptacles and faceplates on vertical surfaces <i>(walls)</i> .
	4.	314.21	Check for gaps around outlet boxes in walls <i>[maximum 3 mm (1/8 in.) gap]</i> .

Residential Final Inspection: General Requirements (All Areas) (cont.)			
✓	Item	NEC Reference	Inspection Activity
	5.	110.14, 404.14(C), 406.3(C)	Verify that conductor terminations and splicing methods are compatible with conductor materials.
	6.	250.146, 250.148, 404.9(B), 406.6(B)	Verify that receptacles are bonded to metal boxes and receptacles, switches, and metal faceplates are grounded.
	7.	406.12	Verify that all receptacles in areas specified in NEC 210.52 are tamper resistant type receptacles.
	8.	210.8(A)(7)	Verify GFCI protection for all 125-volt, 15- and 20-ampere receptacles installed within 1.8 m (6 ft) of all sinks (including the kitchen sink).
	9.	210.8, 210.12	Verify that all 125-volt, single-phase, 15- and 20-ampere GFCI receptacles, GFCI devices, and AFCI devices are installed in a readily accessible location.
	10.	210.12(A) and (B)	Check for listed combination-type AFCI protection on all branch circuits that supply 120 volt outlets and devices in dwelling unit kitchens, bedrooms, family rooms, dining rooms, living rooms, parlors, libraries, dens, sunrooms, recreation rooms, closets, hallways, laundry areas, or similar locations or areas. AFCI devices to be installed in a readily accessible location.
	11.	200.10, 200.11, 406.10, 410.50	Check polarity of devices and luminaires.
	12.	410.6	Verify that all luminaires, lampholders, and retrofit kits are listed.
	13.	314.23, 314.27(A)	Check for outlet boxes at luminaire vertical surface and ceiling mounted locations and that the box is designed for the support of luminaires and lampholders. Check for proper fastening and support of luminaire boxes.
	14.	314.27(B), (C), and (D)	Check outlet boxes at floor outlets, ceiling-suspended (paddle) fans, and other utilization equipment for listing requirements and suitable installation.
	15.	410.116(A) and (B)	Verify that thermal insulation is not installed within 75mm (3 in.) of recessed luminaire enclosures, wiring compartment, ballast, transformer, LED driver, or power supply except where such luminaire is identified for contact with thermal insulation (Type IC).
	16.	250.8, 250.86, 250.148	Check for splicing devices on all equipment grounding conductors within boxes and for bonding connections to metal boxes.
	17.	210.21, 210.24	Verify that device ratings are compatible with circuit and equipment ratings.
	18.	300.15	Check for proper use of connectors and fittings and for protection of cables.
	19.	300.4(F) & (G), 300.5(H), 314.17, 314.42	Check for bushings or equivalent protection for cables entering boxes and other enclosures.
	20.	110.12(A), 314.17(A), 312.5(A), 408.7	Verify that unused openings in boxes and other enclosures are sufficiently closed in a manner substantially equivalent to the wall of the equipment.
	21.	250.110, 250.112, 250.114	Verify that appliances, motors, and other equipment are grounded.
	22.	300.5, Table 300.5	Check buried raceways and cables for proper burial depth.
	23.	300.5, 340.10, 334.12(B)(4)	Verify conductors or cables used underground are suitable for the purpose.
	24.	110.3(B)	Check installation of listed equipment for compliance with manufacturer's instructions.
	25.	300.21	Verify that fire rating of assemblies has been restored at electrical penetrations.
	26.	Article 422, Part III	Check for disconnecting means on both permanently connected and cord- and plug-connected appliances.
	27.	Articles 422, 424, 430, and 440	Verify that circuits for mechanical equipment have correct conductor size and overcurrent protection.
	28.	422.12	Verify that central heating equipment is supplied by an individual branch circuit.

Residential Final Inspection: General Requirements (All Areas) (cont.)			
✓	Item	NEC Reference	Inspection Activity
	29.	424.44(G)	Check for GFCI protection for cables installed in any electrically heated floors of bathrooms, kitchens, and in hydromassage bathtub locations.
	30.	760.41(B), 760.121(B)	Verify that NPLFA and PLFA fire alarm systems are not supplied through GFCI or AFCI devices.
	31.	406.3(E), Figure 406.3(E)	Verify the receptacle markings for 125-volt, 15- and 20-ampere receptacles that are controlled by an automatic control device.

Residential Final Inspection: Kitchen			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(A) and (C)	Check spacing of receptacles for walls and countertops, including islands, peninsulas, and area behind corner-mounted ranges and sinks.
	2.	210.11(C)(1), 210.52(B)(3)	Verify that a minimum of two 20 ampere small-appliance branch circuits are used for kitchen countertop receptacles.
	3.	210.52(B)(1) & (2)	Verify that small-appliance branch circuits are used for receptacles only, located in kitchen, dining room, pantry, and similar areas.
	4.	210.8(A)(6)	Verify that receptacles serving countertops are provided with GFCI protection.
	5.	210.8, 210.8(D)	Verify that GFCI protection is provided for outlets that supply dishwashers installed in dwelling unit locations. <i>(GFCI device to be readily accessible)</i>
	6.	210.12(A) and (B)	Verify that all 120-volt, single-phase, 15- and 20-ampere branch circuits supplying outlets or devices installed in kitchens are AFCI protected. AFCI devices to be installed in a readily accessible location.
	7.	210.52(B)(1), Ex. No. 2	Verify that refrigeration equipment is supplied by a small-appliance branch circuit or an individual 15- or 20-ampere rated branch circuit.
	8.	210.70(A), 210.52(B)(2), 210.70(A)(1) Ex. No. 1	Verify that a wall-switched lighting outlet is provided and wired on a general lighting circuit <i>(receptacle outlet cannot be used as lighting outlet in kitchen)</i> .
	9.	210.23, 422.10	Verify that properly sized circuits are provided for specific kitchen appliances <i>(dishwashers, disposals, ranges, cooktops, trash compactors, etc.)</i> .
	10.	422.16, Table 400.4	Check for proper type, length, and use of flexible cords for appliance connections.
	11.	422.16(B)(4)	If range hood is to be cord-and-plug connected, verify that receptacle is supplied by an individual branch circuit <i>(a duplex receptacle is acceptable here as long as this receptacle supplies only the range hood)</i> .
	12.	406.15	Verify that receptacles supplying lighting loads <i>(such as under cabinet lighting)</i> connected to a dimmer are installed using a nonstandard configuration type. <i>(To prevent accidental connection resulting in possible damage to other electrical appliances or devices)</i>

Residential Final Inspection: Dining Room			
✓	Item	NEC Reference	Inspection Activity
	1.	210.12(A) and (B)	Verify that all 120-volt, single-phase, 15- and 20-ampere branch circuits supplying outlets or devices installed in dining rooms are AFCI protected. AFCI devices to be installed in a readily accessible location.
	2.	210.52(A)	Check receptacle outlets for proper spacing.
	3.	210.52(B)(1)	Verify that all required receptacle outlets are supplied by small-appliance branch circuits.
	4.	210.70(A), 210.52(B)(2)	Check for a wall-switch-controlled lighting outlet on a general lighting circuit.

Residential Final Inspection: Bathrooms			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(D)	Verify that receptacle outlet(s) are installed on a wall or partition adjacent to and within 900 mm (36 in.) of each basin. <i>(Receptacle not required to be mounted on wall or partition if it is intended to be installed on the side or face of basin cabinet and not more than 300 mm (12 in.) below the top of the basin).</i>
	2.	406.9(C)	Verify that no receptacles are installed within or directly over a bathtub space or shower stall.
	3.	210.8(A)(9)	Verify that GFCI protection is provided where receptacles are installed within 1.8 m (6 ft) of the outside edge of the bathtub or shower stall when installed in areas not defined as a bathroom.
	4.	210.11(C)(3) and Ex., 210.23(A)(2)	Verify that receptacle outlet(s) are supplied by dedicated 120-volt, 20-ampere branch circuit(s). <i>[Where a 20-ampere circuit supplies a single bathroom, other outlets (lighting, etc.) within the same bathroom shall be permitted to be supplied by this circuit].</i>
	5.	210.8(A)(1)	Verify that all bathroom receptacles are GFCI protected.
	6.	680.71	Where a hydromassage tub is installed, verify GFCI protection for same.
	7.	680.74	Where a hydromassage tub will be installed, verify bonding of electrical equipment and grounded metal parts. Verify that copper bonding jumper is long enough to terminate on a non-double-insulated replacement motor.
	8.	680.73	Where a hydromassage tub will be installed, make sure electrical equipment is accessible without damaging the building finish <i>(access opening)</i> .
	9.	680.73	Where a hydromassage tub will be installed, and where the hydromassage tub is cord- and plug-connected with the supply receptacle accessible only through a service access opening, make sure the receptacle is within direct view and not more than 300 mm (1 ft) from the opening.
	10.	410.10(D)	Check luminaires and ceiling fan locations over bathtub rim or shower stalls <i>[Prohibited within a zone 900 mm (3 ft) horizontally and 2.5 m (8 ft) vertically above same]</i> . Wall-mounted luminaires located in this zone shall be listed for damp locations, or listed for wet locations where subject to shower spray.
	11.	210.70(A)(1), 210.70(A)(1) Ex. No. 1	Check for a wall-switch-controlled lighting outlet on a general lighting circuit <i>[unless 210.11(C)(3), Ex. is applied]</i> . <i>(Receptacle outlet cannot be used as lighting outlet in bathrooms).</i>

Residential Final Inspection: Other Habitable Rooms (Bedrooms, Family Rooms, Dens)			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(A)	Check receptacle outlets for proper spacing.
	2.	210.70(A)(1)	Check for wall-switch-controlled lighting outlets <i>(including switched receptacles)</i> .
	3.	210.12(A) and (B)	Check for arc-fault circuit-interrupter (AFCI) protection for all bedroom, family rooms, dining rooms, living rooms, parlors, libraries, dens, sunrooms, recreation rooms, closets, hallways, or similar locations or areas. AFCI devices to be installed in a readily accessible location.

Residential Final Inspection: Hallways and Foyers			
✓	Item	NEC Reference	Inspection Activity
	1.	210.70(A)(2)	Check for at least one wall-switch-controlled <i>(or automatic-, remote-, or centrally controlled)</i> lighting outlet.
	2.	210.52(H)	Verify that hallways that are continuous for 3.0 m (10 ft) or more in length have at least one receptacle outlet.

Residential Final Inspection: Hallways and Foyers (cont.)			
✓	Item	NEC Reference	Inspection Activity
	3.	300.3(C)(1), 725.136	Verify door bell chimes location and wiring method, as well as voltage rating of the conductors (<i>chimes typically located in hallways</i>). (<i>Class 2 conductors not to be installed in same enclosure as power conductors.</i>)
	4.	210.52(I)	Verify that foyers [<i>with an area that is greater than 5.6 m² (60 ft²)</i>] that are not part of a hallway have a receptacle(s) located in each wall space 900 mm (3 ft) or more in width.
	5.	210.12(A) and (B)	Check for arc-fault circuit-interrupter (AFCI) protection supplying outlets or devices for hallways or similar locations or areas. AFCI devices to be installed in a readily accessible location.

Residential Final Inspection: Stairways			
✓	Item	NEC Reference	Inspection Activity
	1.	210.70(A)(2)	Check for at least one wall-switch-controlled (<i>or automatic-, remote-, or centrally controlled</i>) lighting outlet.
	2.	210.70(A)(2)	Verify that wall switches are provided at each floor level and landing level that includes an entry way where there are six or more risers.
	3.	240.24(F)	Verify that panelboards (<i>overcurrent devices</i>) are not being located in a stairway over steps (<i>landings would be acceptable with proper OCPD heights, and working clearances</i>).
	4.	210.12(A) and (B)	Check for arc-fault circuit-interrupter (AFCI) protection supplying outlets or devices for similar locations or areas. This protection shall be in a readily accessible location

Residential Final Inspection: Laundry Area			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(F)	Verify that at least one receptacle outlet is installed for the laundry area designated for the installation of laundry equipment.
	2.	210.8(A)(10)	Verify GFCI protection for all 125-volt, 15- and 20-ampere receptacles where installed within the laundry area.
	3.	210.11(C)(2)	Verify that a dedicated 20-ampere circuit supplies the laundry outlet(s) and no other outlets.
	4.	210.12(A) and (B)	Verify AFCI protection for all 125-volt, 15- and 20-ampere outlets and devices installed within the laundry area. AFCI devices to be installed in a readily accessible location.
	5.	210.50(C)	Check for an appliance receptacle outlet within 1.8 m (6 ft) of the intended laundry appliance location.
	6.	210.21, 210.24, 250.140	Check for proper receptacle rating based on branch-circuit rating, including receptacles for electric clothes dryers (<i>if used</i>).
	7.	250.140, 250.134, 250.138	Verify 4-prong outlet (<i>separate equipment grounding conductor</i>) for 240-volt clothes dryer in new installations.
	8.	210.11(C)(2)	Verify that lighting outlets for the area are supplied from general lighting circuits.

Residential Final Inspection: Closets			
✓	Item	NEC Reference	Inspection Activity
	1.	410.11, 410.16	If closet luminaire is installed, verify that luminaire is acceptable type for installation in a closet.
	2.	410.16(B), 410.16(C)	Check clearances between luminaires and storage spaces if luminaires are installed (<i>Open, partially open, or pendant luminaires are not permitted</i>).
	3.	210.12(A) and (B)	Verify AFCI protection for all 125-volt, 15- and 20-ampere outlets and devices installed within closets. AFCI devices to be installed in a readily accessible location.

Residential Final Inspection: Basements and Attics			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(G)	Verify that at least one receptacle outlet is provided in each separate unfinished basement area in addition to any receptacles installed for specific equipment.
	2.	210.63	Verify that a receptacle outlet is installed within 7.5 m (25 ft) and provided for servicing mechanical equipment, on same level as equipment.
	3.	210.8, 210.8(A)(5)	Verify that GFCI protection is provided for all receptacles in unfinished portions of basement and installed in a readily accessible location (<i>other than receptacles for permanently installed fire/burglar alarms</i>).
	4.	422.12, 422.12, Ex. 1 and Ex. 2	Verify that individual branch circuits are supplied for central heating equipment, if any. (<i>Auxiliary equipment and permanently connected air conditioning equipment permitted to be connected to same branch circuits.</i>)
	5.	210.70(A)(3)	Verify that a wall-switch-controlled lighting outlet or a lighting outlet containing a switch is provided at the entrance to equipment requiring servicing, and lighting outlet is at or near equipment.
	6.	320.23, 330.23, 334.23, 334.15, 330.15	Check accessible attics, attic entrances, and scuttle holes for clearances from or protection of cable assemblies.

Residential Final Inspection: Attached Garages and Detached Garages or Accessory Buildings with Electric Power			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(G)(1)	Verify that at least one receptacle outlet is provided for each car space. (<i>The branch circuit supplying this receptacle(s) shall not supply outlets outside of the garage.</i>)
	2.	210.8(A)(2)	Verify that GFCI protection is provided for all 125-volt, single-phase, 15- and 20-ampere receptacles.
	3.	210.70(A)(2)(a) & (b)	Verify that a wall-switch-controlled lighting outlet is provided interior, and a wall switch controlled lighting outlet is also provided to illuminate the exterior side of outdoor entrances or exits with grade level access.
	4.	210.17	If an outlet for the purpose of charging of an electric vehicle is installed, verify that the outlet(s) installed are supplied by a separate branch circuit. This circuit shall have no other outlets.

Residential Final Inspection: Outdoors			
✓	Item	NEC Reference	Inspection Activity
	1.	210.52(E)(1)	Check for at least two GFCI protected receptacle outlets, accessible at grade level, one each at the front and back of the dwelling.
	2.	210.52(E)(3)	All balconies, decks, and porches (<i>that are attached and accessible from inside the dwelling</i>) required to have at least one receptacle accessible from the balcony, deck, or porch. This outlet shall not be located more than 2.0 m (6½ ft) above the balcony, deck, or porch walking surface.
	3.	210.63	Verify that a 125-volt, single-phase, 15- or 20-ampere receptacle outlet is installed within 7.5 m (25 ft) provided for servicing mechanical equipment, on same level as equipment.
	4.	210.8(A)(3), 406.4(D)(3), 426.28	Verify that all 125-volt, single-phase, 15- and 20-ampere outdoor receptacles are GFCI protected (<i>except for a receptacle that is not readily accessible and supplied by circuits for deicing or snow-melting equipment</i>).
	5.	406.9(B)(1)	Verify that all 15- and 20-ampere, 125- and 250-volt receptacles installed in a wet location (<i>such as outdoors</i>) are provided with a cover identified as "extra duty" that is weatherproof whether or not the attachment plug cap is inserted or not.
	6.	406.9(A), 406.9(B)(1), 406.4(D)(6)	Verify that all 15- and 20- ampere, 125- and 250- volt non-locking receptacles installed in damp or wet locations are of the listed weather resistant type.

Residential Final Inspection: Outdoors (cont.)			
✓	Item	NEC Reference	Inspection Activity
	7.	406.12, 406.4(D)(5)	Verify that all 15- and 20- ampere, 125- and 250- volt non-locking receptacles installed in outdoor locations are of the listed tamper resistant type.
	8.	210.70(A)(2)	Check for wall-switch-controlled (<i>or remote-, central-, or automatic-controlled</i>) exterior lighting outlet(s) at outdoor entrances or exits with grade-level access. (<i>The vehicle door is not considered an outdoor entrance or exit. Luminaires are optional for this location.</i>)
	9.	300.15, 314.27(A)	Check for boxes at exterior luminaire locations.
	10.	410.10(A), 110.3(B)	Verify that luminaires installed outdoors are suitable for damp or wet locations.
	11.	410.10(A)	Verify that luminaires installed in wet locations are installed such that water cannot enter or accumulate in wiring compartment.
	12.	314.15	If approved drainage openings for boxes or conduit bodies listed for use in damp or wet locations are installed in the field, verify that they are not larger than 6 mm (¼ in.).
	13.	Article 411, 411.3, 411.4	If low-voltage lighting systems are installed, verify that they and listed and installed as required per Article 411.

Residential Final Inspection: Service Equipment, Feeders, and Panelboards			
✓	Item	NEC Reference	Inspection Activity
	1.	Article 250	Review bonding and grounding if not completed during previous inspections.
	2.	310.110(A),(B), and (C), 215.12(A),(B) and (C), 200.6, 250.119	Insure that all service and feeder conductors are properly identified.
	3.	200.2(B)	Verify that the continuity of the grounded conductor does not depend on a connection to a metallic enclosure, raceway, or cable.
	4.	210.4(B) and (D)	Verify grouping of all multiwire branch circuit conductors for readily identification and obvious. Verify simultaneous disconnection for all multiwire branch circuits.
	5.	240.4, 110.14(C), 310.15, 210.20, 210.22, 215.3, 230.42	Check overcurrent devices for compatibility with conductors (<i>terminals, ratings, and ampacities</i>).
	6.	110.22, 230.70(B), 408.4(A)	Check for proper circuit directory and identification of all overcurrent devices and disconnects (<i>spare positions that contain unused overcurrent devices shall be marked accordingly</i>).
	7.	110.12, 408.7, 312.5(A)	Check for open spaces in panelboard fronts or cabinets.
	8.	300.3(C), 725.136	Verify door bell chimes location and wiring method, as well as voltage rating of the conductors (<i>chimes typically located in hallways, but transformer could be located at panelboard</i>). (<i>Class 2 conductors not to be installed in same enclosure as power conductors.</i>)
	9.	408.36(D)	Verify that any backfed overcurrent devices are secured in place.
	10.	422.31(A),(B), and (C), 110.25	If a circuit breaker serves as the disconnecting means for an appliance where the circuit breaker is not within sight from the appliance and is capable of being locked in the open position, verify that the provision for locking or adding a lock to the disconnecting means is installed on or at the circuit breaker and remains in place with or without the lock installed.
	11.	408.37, 312.2	For panelboards installed outdoors, verify that panelboard cabinet is weatherproof and listed for damp/wet locations.

Residential Final Inspection: Service Equipment, Feeders, and Panelboards (cont.)			
✓	Item	NEC Reference	Inspection Activity
	12.	312.2	For panelboards installed outdoors, check for minimum 6 mm (¼ in.) air gap between enclosure and wall. Also, check for fittings listed for a wet location where raceways and cables entering above the level of uninsulated live parts.
	13.	250.80, 250.92,	Verify that service raceways and enclosures are properly grounded and bonded.
	14.	250.94	Verify intersystem bonding termination, for connecting intersystem bonding and grounding conductors required for other systems.