

RESIDENTIAL ELECTRICAL INSPECTIONS CHECKLISTS

Key Questions for Residential 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 installed properly?
4. What sizes of service equipment, service-entrance conductors, and feeder conductors are required?
5. Is the service overhead or underground?
6. What types of grounding electrodes are available?
7. What sizes of grounding electrode conductors are required?
8. Where is mechanical equipment located, and what types of equipment will be installed?

RESIDENTIAL ROUGH-IN INSPECTION CHECKLIST

| General Requirements (All Areas) | | | |
|----------------------------------|------|-------------------------------------|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | Chapter 3, Chapter 7, and Chapter 8 | Check wiring methods (usually cable assemblies) for support and suitability for the conditions. |
| | 2. | 300.4 | Check cable installation through or parallel to framing members for 32 mm (1 ¼ in.) clearance or protective steel plates. Protective steel plates must be min. 1.6 mm (1/16 in.) thick (unless listed for lesser thickness) and of the appropriate length and width. |
| | 3. | 314.15, 314.27 | Check boxes for suitability of use. |
| | 4. | 300.15, 314.29 | Verify that boxes are installed in accessible locations for all junction and outlet boxes. |
| | 5. | 314.17(B), 314.17(C) and Ex. | Check that cables are secured to boxes. (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). |
| | 6. | 314.17(B), 314.17(C) | Flexible conduit or cable sheath shall extend not less than 6 mm (1/4 in.) inside the box and beyond any cable clamp. |
| | 7. | 314.16 | Check boxes for conductor fill. |
| | 8. | 314.20 | Check positioning of boxes that are intended to be flush with combustible and noncombustible finished surfaces. |
| | 9. | 250.8, 250.86, 250.146, 250.148 | Check for splicing devices on all equipment grounding conductors within boxes and bonding connections to metal boxes. |
| | 10. | 250.118, 250.122 | Check equipment grounding conductors for suitability and size. |
| | 11. | 314.27(C) and (D) | Check boxes used in floors, or for support of ceiling fans, for listing. |
| | 12. | 410.66(A)(1), 410.66(B) | Check recessed luminaires for clearances from combustibles and insulation. |
| | 13. | * Applicable Building Code | * Verify smoke detector locations and requirements. *(<i>The applicable Building Code typically covers smoke detector requirements</i>). |

Residential Rough-In Inspection Checklist (continued)

| 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) | Verify that a minimum of two 20-A small-appliance branch circuits is used for kitchen receptacles. |
| | 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. | 210.23, 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) and (2) | Verify that the two or more small-appliance branch circuits have no other outlets other than receptacle outlets in the 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) | Not fewer than two small-appliance branch circuits must supply the kitchen countertop receptacle outlets. |
| | 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. |

| Dining Room | | | |
|-------------|------|-------------------------|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 210.52(A) | 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. |

| Bathrooms | | | |
|-----------|------|--------------------------------------|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 210.52(D), 210.52(D), Ex. | Verify that receptacle outlets are installed on 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</i>). |
| | 2. | 406.8(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, 680.73, 680.74, 210.23(A)(2) | Where a hydromassage tub will be installed, verify GFCI protection, accessibility, and bonding of electrical equipment and grounded metal parts. This branch circuit will typically be a dedicated branch circuit per the rating of the motor. |
| | 5. | 210.70, 210.70(A)(1) Ex. No. 1 | Check for a wall-switch-controlled lighting outlet on a general lighting circuit. (<i>Receptacle outlet cannot be used as lighting outlet in bathrooms</i>) |

Residential Rough-In Inspection Checklist (continued)

| 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 (including switched receptacles). |
| | 3. | 210.12, 210.12(B) | AFCI protection required on all branch circuits that supply 120 volt outlets (receptacle, lighting, smoke detectors, etc.) in dwelling unit bedrooms. |

| Hallways | | | |
|-----------------|-------------|------------------------|--|
| ✓ | 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. |
| | 3. | 300.3(C)(1), 725.55(A) | Verify door bell chimes location and wiring method (chimes typically located in hallways). |

| 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 and landing level that includes an entry way where there are six or more risers between levels. |

| Closets | | | |
|----------------|-------------|----------------------|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 410.8 | Check clearances between luminaires and storage spaces if luminaires are installed. |

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

| Garages (Attached or with Electric Power) | | | |
|--|-------------|----------------------|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 210.52(G) | Verify that at least one receptacle outlet is provided. |
| | 2. | 210.70(A)(2)(a) | Verify that a wall-switch-controlled lighting outlet is provided. |

Residential Rough-In Inspection Checklist (continued)

| Basements and Attics | | | |
|----------------------|------|--|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 210.52(G) | Verify that at least one receptacle outlet is provided in each unfinished basement area in addition to any receptacles installed for laundry equipment. |
| | 2. | 210.63 | Verify that a receptacle outlet is installed within 7.5 m (25 ft) provided for servicing mechanical equipment, if any. |
| | 3. | 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>) |
| | 4. | 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. |
| | 5. | 320.23, 330.23, 334.23, 334.15, 320.15 | Check accessible attics, attic entrances, and scuttle holes for clearances from or protection of cable assemblies. |

| Outdoors | | | |
|----------|------|------------------------------------|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 210.52(E) | Check for at least two receptacle outlets, accessible at grade level, one each at the front and back of the dwelling. |
| | 2. | 210.63 | Verify that a receptacle outlet is installed within 7.5 m (25 ft) provided for servicing mechanical equipment, if any. |
| | 3. | 334.12(A)(9), 334.12(B), 334.15(B) | Verify cable assemblies (such as Type NM cable) are properly sleeved through concert, brick, etc. |
| | 4. | 210.70(A)(2) | Check for wall-switch-controlled (or remote-, central-, or automatic-controlled) exterior lighting outlets at outdoor entrances or exits with grade-level access. |

RESIDENTIAL SERVICE, FEEDER, AND GROUNDING INSPECTIONS CHECKLISTS

| Services and Feeders | | | |
|----------------------|------|--------------------------------------|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | Article 220, 230.42(B), 230.79 | Review the calculation of service load, and determine the minimum size of service conductors. |
| | 2. | 230.66 | Verify that service equipment is identified as suitable for use as service equipment. |
| | 3. | 230.70(A)(1), 230.91 | Verify that service disconnects and overcurrent devices are located outside or inside nearest the point of entrance of the service conductors. |
| | 4. | 230.71, 230.72, 408.36(B) Ex. | Verify that service disconnects are grouped together, with no more than six in any one location. |
| | 5. | 110.26, 230.70(A)(1), 230.91, 240.24 | Check for proper accessibility, working clearances, and dedicated electrical spaces around service equipment. |
| | 6. | 230.43, 230.50, 230.51 | Check service-entrance wiring methods for suitability, support, and protection from damage. |
| | 7. | 230.54 | Check for a proper drip loop and weatherhead on overhead services. |
| | 8. | 230.24, 230.26, 230.54(C) | Verify that the point of attachment is adequate and will provide required support. |

Residential Service, Feeder, and Grounding Inspections Checklists (continued)

| Services and Feeders (cont'd) | | | |
|-------------------------------|------|-----------------------|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 9. | 230.24 | Verify clearances above roofs, grade and driveways. |
| | 10. | 230.28 | Check service masts for adequate strength and support. |
| | 11. | 230.9 | Check for proper clearance of service conductors from building openings, doors, porches, balconies, or similar locations. |
| | 12. | 230.32, 230.49, 300.5 | Check underground service conductors for proper depth, fill, protection, marking, and allowances for ground movement. |

| System Grounding | | | |
|------------------|------|--|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 250.50, 250.52(A) | Determine which grounding electrodes are available, and verify that they are bonded together to form a grounding electrode system. This may require an inspection of the foundation footings <u>before the slab is poured</u> if a concrete-encased electrode is present. |
| | 2. | 250.52(B) | Verify that no prohibited electrodes are being used in the grounding electrode system (metal underground gas piping or aluminum electrodes). |
| | 3. | 250.52(A)(5) and (A)(6), 250.53, 250.56 | Check any rod, pipe, or plate electrodes for proper size, type, and installation. |
| | 4. | 250.64 | Verify that grounding electrode conductors are unspliced and protected and that any metal enclosures are bonded and electrically continuous. |
| | 5. | 250.66, Table 250.66, 250.64(F) | Check grounding electrode conductor(s) for proper sizing. |
| | 6. | 250.8, 250.10, 250.68, 250.70 | Check grounding electrode connections for proper type, for protection, and for accessibility. |
| | 7. | 250.28 | Verify that the main bonding jumper is installed and of the proper size and type. |
| | 8. | 250.104(A), 250.68(B) | Verify that metal water piping systems are bonded, that bonding jumpers are properly sized, and that continuity around removable devices is assured. |
| | 9. | 250.104(B) | Verify that other metal piping systems such as metal gas piping are bonded, that bonding jumpers are properly sized. (The equipment grounding conductor for the circuit that may energize the piping shall be permitted to serve as the bonding means). |
| | 10. | 250.80, 250.92, 250.94 | Verify that service raceways and enclosures are properly grounded and bonded. |

| Feeders and Panelboards | | | |
|-------------------------|------|-----------------------------|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | Article 220, 215.2, 310.15 | Review the calculation of feeder loads, and verify that conductors are properly sized and rated. |
| | 2. | Article 220, 408.34, 408.36 | Verify proper ratings and protection of panelboards. |
| | 3. | 110.26, 240.24 | Check for proper accessibility, working clearances, and dedicated electrical spaces around panelboards. |
| | 4. | 210.11 | Verify that at least the minimum number of overcurrent devices and circuits has been provided. |
| | 5. | 408.34, 408.35 | Check lighting and appliance panelboards for excessive number of circuits and circuit provisions. |

Residential Service, Feeder, and Grounding Inspections Checklists (continued)

| Feeders and Panelboards (cont'd) | | | |
|----------------------------------|------|---------------------------------|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 6. | 250.24(A)(5), 250.142(B), 310.2 | Verify that the grounded conductor of a feeder circuit is insulated and isolated from equipment grounding conductors and grounded enclosures. |
| | 7. | 408.40, 215.6, 250.118, 250.122 | Verify that panelboards are grounded by an appropriate and properly sized equipment grounding conductor (or conductors). |

RESIDENTIAL FINAL INSPECTIONS CHECKLISTS

| 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. | 406.4 | Check for proper positioning of receptacles and faceplates on walls. |
| | 4. | 314.21 | Check for gaps around outlet boxes in walls. |
| | 5. | 110.14, 404.14(C), 406.2(C) | Verify that conductor terminations and splicing methods are compatible with conductor materials. |
| | 6. | 250.146, 250.148, 404.9(B), 406.5(B) | Verify that receptacles are bonded to metal boxes and that receptacles, switches, and metal faceplates are grounded. |
| | 7. | 200.10, 200.11, 410.23, 406.9 | Check polarity of devices and luminaires. |
| | 8. | 250.8, 250.86, 250.148 | Check for splicing devices on all equipment grounding conductors within boxes and for bonding connections to metal boxes. |
| | 9. | 210.21, 210.24 | Verify that device ratings are compatible with circuit and equipment ratings. |
| | 10. | 300.15 | Check for proper use of connectors and fittings and for protection of cables. |
| | 11. | 300.4(F), 314.17, 314.42 | Check for bushings or equivalent protection for cables entering boxes and other enclosures. |
| | 12. | 110.12(A), 314.17(A), 312.5(A), 408.7 | Verify that unused openings in boxes and other enclosures are closed. |
| | 13. | 250.110, 250.112 | Verify that appliances, motors, and other equipment are grounded. |
| | 14. | 300.5 | Check buried raceways and cables for proper burial depth. |
| | 15. | 110.3(B) | Check installation of listed equipment for compliance with manufacturer's instructions. |
| | 16. | 300.21 | Verify that fire rating of assemblies has been restored at electrical penetrations. |
| | 17. | Article 422, Part III | Check for disconnecting means on both permanently connected and cord- and plug-connected appliances. |
| | 18. | Articles 422, 424, 430, and 440 | Verify that circuits for mechanical equipment have correct conductor size and overcurrent protection. |

Residential Final Inspections Checklists (continued)

| 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) | Verify that a minimum of two 20-A small-appliance branch circuits are used for kitchen receptacles. |
| | 3. | 210.52(B)(2) | Verify that small-appliance branch circuits are used only for receptacles in kitchen, dining room, pantry, and similar areas. |
| | 4. | 210.8(A)(6) | Verify that receptacles serving countertops are provided with GFCI protection. |
| | 5. | 210.52(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. |
| | 6. | 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>) |
| | 7. | 210.23, 422.10 | Verify that properly sized circuits are provided for specific kitchen appliances (dishwashers, disposals, ranges, cooktops, trash compactors, etc.). |
| | 8. | 422.16, Table 400.4 | Check for proper type, length, and use of flexible cords for appliance connections. |
| | 9. | 422.16(B)(4) | If range hood is to be cord-and-plug connected, verify that receptacle is supplied by an individual branch circuit. |

| Dining Room | | | |
|-------------|------|-------------------------|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 210.52(A) | 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 a wall-switch-controlled lighting outlet on a general lighting circuit. |

| Bathrooms | | | |
|-----------|------|-------------------------------------|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 210.52(D) , 210.52(D), Ex. | 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</i>). |
| | 2. | 406.8(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 outlet(s) 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>). |
| | 3. | 210.8(A)(1) | Verify that bathroom receptacles are GFCI protected. |
| | 4. | 680.71 | Where a hydromassage tub will be installed, verify GFCI protection for same. |
| | 5. | 680.73 | Verify access to electrical equipment associated with a hydromassage tub. |

Residential Final Inspection Checklist (continued)

| Bedrooms (cont.) | | | |
|------------------|------|--------------------------------------|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 6. | 410.4(D) | Check luminaires and ceiling fan locations over bathtub rim or shower stalls. (Prohibited within a zone 900 mm (3 ft) horizontally and 2.5 m (8 ft) vertically above same) Wall-mounted luminaires located in this zone shall be listed for damp locations, or listed for wet locations where subject to shower spray. |
| | 7. | 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>) |

| 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 | Check for wall-switch-controlled lighting outlets (including switched receptacles). |
| | 3. | 210.12, 210.12(B) | Check for arc-fault circuit-interrupter (AFCI) protection for all bedroom outlets (receptacle and lighting, 120-volt smoke detectors, etc.). AFCI devices required to be combination type by January 1, 2008. |

| Hallways | | | |
|----------|------|------------------------|---|
| ✓ | 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 that are continuous for 3.0 m (10 ft) or more in length have at least one receptacle outlet. |
| | 3. | 300.3(C)(1), 725.55(A) | Verify door bell chimes location and wiring method (chimes typically located in hallways). (<i>Class 2 conductors not to be installed in same enclosure as power conductors.</i>) |

| 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) | 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. |

| Laundry Area | | | |
|--------------|------|----------------|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 210.52(F) | Verify that at least one receptacle outlet is installed for the laundry. |
| | 2. | 210.8(A)(7) | Verify GFCI protection for all 125-volt, 15- and 20-ampere receptacles installed within 1.8 m (6 ft) of a laundry or utility room sink. |
| | 3. | 210.11(C)(2) | Verify that a dedicated 20-A circuit supplies the laundry outlet(s) and no other outlets. |
| | 4. | 210.50(C) | Check for a laundry receptacle outlet within 1.8 m (6 ft) of the intended appliance location. |
| | 5. | 210.21, 210.24 | Check for proper receptacle rating based on branch-circuit rating, including receptacles for electric dryers (if used). |

Residential Final Inspection Checklist (continued)

| Laundry Area (cont.) | | | |
|----------------------|------|---------------------------|---|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 6. | 250.140, 250.134, 250.138 | Verify 4-prong outlet (separate equipment grounding conductor) for 240-volt dryer in new installations. |
| | 7. | 210.11(C)(2) | Verify that lighting outlets for the area are supplied from general lighting circuits. |

| Closets | | | |
|---------|------|------------------|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 410.8(B) and (C) | If closet luminaire is installed, verify that luminaire is acceptable type for installation in a closet. |
| | 2. | 410.8 | Check clearances between luminaires and storage spaces if luminaires are installed. |

| 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 laundry equipment. |
| | 2. | 210.63 | Verify that a receptacle outlet is installed within 7.5 m (25 ft) provided for servicing mechanical equipment, if any. |
| | 3. | 210.8(A)(5) | Verify that GFCI protection is provided for receptacles in unfinished portions of basement (other than receptacles for laundry, pumps, fire/burglar alarms, or specific appliances). |
| | 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. |
| | 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. |

| Garages (Attached or with Electric Power) | | | |
|---|------|---------------|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 210.52(G) | Verify that at least one receptacle outlet is provided. |
| | 2. | 210.8(A)(2) | Verify that GFCI protection is provided for all readily accessible receptacles, other than those for appliances in dedicated spaces. |
| | 3. | 210.70(A)(2) | Verify that a wall-switch-controlled lighting outlet is provided. |

| Outdoors | | | |
|----------|------|-------------------|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | 210.52(E), 210.63 | Check for at least two GFCI protected receptacle outlets, accessible at grade level, one each at the front and back of the dwelling. |
| | 2. | 210.63 | Verify that a receptacle outlet is installed within 7.5 m (25 ft) provided for servicing mechanical equipment, if any. |
| | 3. | 210.8(A)(3) | Verify that all outdoor receptacles are GFCI protected, except for a receptacle that is not readily accessible and supplied by circuits for deicing or snow-melting equipment. |

Residential Final Inspection Checklist (continued)

| Outdoors (cont.) | | | |
|------------------|------|-------------------|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 4. | 406.8(B)(1) | Verify that all 15- and 20-ampere, 125- and 250-volt receptacles installed in a wet location (such as outdoors) is provided with a cover that is weatherproof whether or not the attachment plug cap is inserted or not. |
| | 5. | 210.70(A)(2) | Check for wall-switch-controlled (or remote-, central-, or automatic-controlled) exterior lighting outlets at outdoor entrances or exits with grade-level access. |
| | 6. | 300.15, 314.27(A) | Check for boxes at exterior luminaire locations. |

| Service Equipment, Feeders, and Panelboards | | | |
|---|------|---|--|
| ✓ | Item | NEC Reference | Inspection Activity |
| | 1. | Article 250 | Review bonding and grounding if not completed during previous inspections. |
| | 2. | 240.4, 110.14(C), 310.15, 210.20, 215.3, 230.42 | Check overcurrent devices for compatibility with conductors (terminals, ratings, and ampacities). |
| | 3. | 110.22, 230.70(B), 408.4 | Check for proper circuit directory and identification of all overcurrent devices and disconnects. |
| | 4. | 110.12, 408.7 | Check for open spaces in panelboard fronts. |
| | 5. | 312.8, 725.54 | Verify that doorbell and other Class 2 wiring and transformers are located in appropriate places (not in service equipment or panelboards). |
| | 6. | 408.36(F) | Verify that any backfed overcurrent devices are secured in place. |
| | 7. | 422.31(B) | 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. |
| | 8. | 408.37, 312.2(A) | For panelboards installed outdoors, verify that panelboard cabinet is weatherproof and listed for damp/wet locations. Check for minimum 6 mm (¼ in.) air gap between enclosure and wall. |