



# Electrical Rough Inspection Checklist

## Residential Inspections

DevelopmentATX.com | Phone: 311 (or 512-974-2000 outside Austin)  
For submittal and fee information, see [austintexas.gov/digitaldevelopment](http://austintexas.gov/digitaldevelopment)

This checklist is provided as a reference tool, and it is not intended to be exhaustive of all possible requirements. Please refer to the latest adopted International Building Code (IBC), International Residential Code (IRC), International Energy Conservation Code (IECC), International Swimming Pool and Spa Code (ISPSA), Uniform Plumbing Code (UPC), Uniform Mechanical Code (UMC), National Electric Code (NEC), Local Amendments (LA), Austin Energy Design Criteria (AE Design), City of Austin Building Criteria Manual (BCM) and City of Austin Land Development Code (LDC) for code sections listed below. Items without a code reference are included for advisory purposes or based on departmental policy.

- International Codes <https://codes.iccsafe.org/public/collections/I-Codes>
- Uniform Codes <http://www.iapmo.org/>
- NEC <https://www.nfpa.org/>
- Local Amendments, AE Design, BCM, LDC <https://library.municode.com/TX/Austin>

**Please verify the following before scheduling the inspection:**

### 300 Grounding (Requested and Passed prior to Installation of Wallboard and Insulation)

#### GENERAL REQUIREMENTS

- Enclosures are secured to structural framing using listed means. *NEC 314.23(B)*
- Listed remodel enclosures are only installed for areas where structural framing is not exposed. *NEC 314.23(C)*
- Enclosures are installed on all outlets and cables. *NEC 300.15*
- Junctions are complete with wire connectors at lighting outlets and junction boxes. *NEC 110.14*
- Equipment grounds are jointed with wire connectors at all outlet and receptacle boxes. *NEC 250.148*
- Required receptacle outlets are installed for wall spacing. *NEC 210.52(A)*
- Required receptacle outlets are installed for foyers. *NEC 210.52(I)*
- Required receptacle outlets are installed for hallways 10 feet or longer. *NEC 210.52(H)*
- Required receptacle outlets are installed for the front and back. *NEC 210.52(E)*
- Required receptacle outlets are installed within 25 feet of equipment requiring servicing. *NEC 210.63*
- Switched lighting outlets are provided for all habitable rooms. *NEC 210.70(A)(1)*
- Switched lighting outlets are provided for exterior grade-level personnel doors. *NEC 210.70(A)(2)(2)*
- Switched lighting outlets are provided for all hallways. *NEC 210.70(A)(2)(1)*
- Switched lighting outlets are provided for all storage areas located in attics, under-floor spaces, utility rooms and basement. The switch is located near the point of entrance to the space. *NEC 210.70(C)*
- Switched lighting outlets are provided for equipment areas located in attics, basements, crawl spaces and under-floor areas. The switch is located near the point of entrance to the space, and the lighting outlet is located near the equipment. *NEC 210.70(C)*
- Switched lighting outlets are provided for all stairways. *NEC 210.70(A)(2)(1)*
- 3-way switch control is provided for interior stairways at each floor level and those with six or more risers. *NEC 210.70(A)(2)(3)*
- Lighting outlets in clothes closets are not located over storage spaces, and it is understood that

- clearance to storage spaces will be determined at Final Inspection. *NEC 410.16(D)*
- Recessed luminaires in insulated areas are IC rated. *NEC 410.116(A)*
- Branch circuits are sized for the prospective load and balanced. *NEC 210.11*
- Minimum wiring size is #14AWG copper or #12AWG aluminum/copper-clad aluminum. *NEC 310.3*
- NM type cable is not exposed to wet locations after house is dried in. *NEC 334.12(B)*
- NM type cable jacket extends ¼ inch beyond connector. *NEC 314.17(B)(2)*
- NM type cable is secured within 12 inches of the enclosure and every 4½ feet thereafter. *NEC 334.30*
- NM type cable is not damaged. *NEC 110.3; 300.4*
- NM type cable is protected from damage within 6 feet of attic entrance. *NEC 334.23*
- NM type cable is installed on running boards in crawl spaces. *NEC 334.15(C)*
- NM type cable has been provided with separation. *NEC 334.80*
- NM type cable is installed in a neat and professional manner. *LDC 25.12.114.110.12*
- Nail guards are installed where NM Cable or bored hole is closer than 1¼ inch to the edge of the framing member. *NEC 300.4(A); 300.4(D)*
- Box-fill has not been exceeded. *NEC 314.16*
- Fan boxes are present at all habitable lighting outlets and fan locations. *NEC 314.27(C)*
- AHU (Air Handling Unit) is supplied by an individual branch circuit. *NEC 422.12*
- Metal boxes are grounded to the equipment grounding conductor. *NEC 250.134; 250.148*
- Floor boxes are listed for the use. *NEC 314.27(B)*
- White wire has been identified as ungrounded for all switch loop locations and is NOT being used as the switch-leg. *NEC 200.7(C)*
- Concrete-encased grounding electrode conductor has been extended to service location with listed crimp. *NEC 250.4(A)(1); 250.64(C)*

## KITCHEN/DINING/BREAKFAST AREAS

- Required receptacle outlets are installed for wall spacing. *NEC 210.52(A)*
- Required receptacle outlets are installed for countertops. *NEC 210.52(C)*
- Required receptacle outlets are installed for the island and peninsula. *NEC 210.52(C)*
- Switched lighting outlet is present. *NEC 210.70(A)(1)*
- Dishwasher outlet is located in adjacent cabinet. *NEC 422.16(B)(2)*
- Minimum wiring size for receptacles is #12AWG copper or #10AWG aluminum/copper-clad aluminum. *NEC 210.11(C)(1)*
- Minimum (2) small appliance branch circuits are present for receptacles. *NEC 210.52(B)*
- Receptacle circuits do not share with other outlets. *NEC 210.52(B)(2)*
- Appliance circuits are sized for the prospective load. *NEC 210.19; 210.22; 210.23; 422.10*
- Vent-hood receptacle outlets are supplied by an individual branch circuit. *NEC 422.16(B)(4)*
- Electric range outlet is supplied by 4-wire branch circuit. *NEC 250.140*

## BATHROOMS

- Minimum wiring size for receptacles is #12AWG copper or #10AWG aluminum/copper-clad aluminum. *NEC 210.11(C)(3)*
- Required receptacle outlet is installed for the basin. *NEC 210.52(D)*
- Receptacles are installed outside of the bathtub or shower space. *NEC 406.9(C)*
- Receptacle outlet circuit contains only bath receptacles or is contained to a single bathroom. *NEC 210.11(C)(3)*
- Switched lighting outlet is present. *NEC 210.70(A)(1)*
- Spa bath is supplied by an individual branch circuit. *NEC 680.71*
- Spa bath metal piping system is bonded where required. *NEC 680.74*
- Access hole for spa bath is provided per manufacturer's guidelines. *NEC 110.3(B); 680.73*
- Switches are located over the tub/shower enclosure. *NEC 404.4(C)*

## LAUNDRY

- Minimum wiring size for receptacles is #12AWG copper or #10AWG aluminum/copper-clad aluminum. *NEC 210.11(C)(2)*
- Receptacle outlet is located within 6 feet of the appliance location. *NEC 210.50(C)*
- Receptacle outlet circuit contains only laundry receptacles. *NEC 210.11(C)(2)*
- Switched lighting outlet is present. *NEC 210.70(A)(1)*
- Electric dryer outlet is supplied by 4-wire branch circuit. *NEC 250.140*

## GARAGE

- Minimum wiring size for receptacles is #12AWG copper or #10AWG aluminum/copper-clad aluminum. *NEC 210.11(C)(4)*
- Required receptacle outlets are installed within and for each car space. *NEC 210.52(G)(1)*
- Receptacle outlet circuit contains only garage and readily accessible outdoor receptacles. *NEC 210.11(C)(4)*
- Switched lighting outlet is present. *NEC 210.70(A)(2)*