



Electrical Rough Inspection Checklist

Commercial Inspections

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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 (I.E.C.C) Local Amendments to the International Residential Code (IRC-LA), I.E.C.C (IECC-LA), the City of Austin Building Criteria Manual (BCM), the Uniform Plumbing Code (UPC), the City of Austin Land Development Code (LDC), and the National Electric Code (NEC) for code sections listed below.

- IRC, IECC and IBC <https://codes.iccsafe.org/public/collections/I-Codes>
- Local amendments <https://library.municode.com/TX/Austin>
- UPC and UMC <http://www.iapmo.org/>
- NEC <https://www.nfpa.org/>

Please verify the following before scheduling the inspection:

301 Rough

- The contractor or person doing the work has reviewed the approved plans and can ensure that the construction being inspected is consistent and ready for inspection.
- Job address is posted in a visible location. *IBC 105.7*
- Boxes are suitably supported to the structure. *(2020 NEC Art.300.11, Art.314.23)*
- Box sizes have been checked for their fill capacity. *(2020 NEC Art. 314.16(A) and (B))*
- Boxes have been checked for the environment that they are installed. *(2020 NEC Art.314.15)*
- Pull and junction boxes with #4 or larger conductors have been sized correctly. *(2020 NEC Art.314.28)*
- Metal boxes have been grounded per NEC Article 250. *(2020 NEC Art.314.4)*
- All unused openings have been effectively closed. *(2020 NEC Art. 110.12(A), 314.17(A))*
- Boxes and equipment are roughed in a manner that will be flush with finished wall surfaces. *(2020 NEC Art.314.19, 314.20)*
- Boxes containing wiring are accessible. *(2020 NEC Art.314.29)*
- Support, suitability and adequacy of all wiring methods has been checked. *(2020 NEC Chapter 3, Art.300.300.11)*
- Proper physical protection for wiring methods installed in framing members has been verified. *(2020 NEC Art.300.4)*
- Wiring methods are continuous from outlet to cabinets, boxes, or other enclosures. *(2020 NEC Art.300.12, 300.18)*
- Cables and wiring methods in air handling spaces are suitable for the purpose and listed *(2020 NEC Art. 300.22)*
- Conduits, wireways and gutters have been sized for their wire fill requirements. *(2020 NEC Chapter 3, Art. 300.17, Chapter 9, Tables)*
- Conductor connectors, splices and terminations have been checked for suitability. *(2020 NEC Art. 110.14)*
- Conductor sizes have been verified for capacity and overcurrent protection. *(2020 NEC Art.310.15, 310.16, 240.4)*
- Ungrounded and grounded conductors meet the City of Austin color code requirements. *(2020 COA Electric Code)*
- Grounding conductors have been identified per NEC Article 250. *(2020 NEC 250.119)*
- All required lighting outlets and switches are installed. *(2020 NEC Art. 210.70)*
- All luminaires are listed. *(2020 NEC Art. 410.6)*
- Boxes for luminaires and lamp-holder outlets are supported. *(2020 NEC Art. 314.27 (A) & (B), 410.36(B))*
- Luminaires installed in suspended ceiling are fastened with rivets, bolts, screws, or listed clips. *(2020 NEC Art. 410.36(B))*
- All required receptacle outlets are installed. *(2020 NEC Art. 210.60, 62, 63, & 65)*
- Electrical penetrations through fire-rated assemblies have been sealed. *(2020 NEC Art. 300.21)*
- Limited access requirements for equipment have been verified. *(2020 NEC Art. 110.26)*
- Working space requirements for all electrical equipment have been verified. *(2020 NEC Art. 110.26)*