



INSPECTION GUIDELINES

GENERAL REQUIREMENTS

ELECTRICAL

Building permit and approved set of plans	<input type="checkbox"/>
Building permit on the card is the same as on the route	<input type="checkbox"/>
"If this is not the first inspection, read inspection records and notes on permit card"	<input type="checkbox"/>
Check for Notice of Commencement. FBC 105.8	<input type="checkbox"/>
Identify installation or parts of installations that are covered by the NEC. 90.2 (A) and (B)	<input type="checkbox"/>
Verify that installations have been made in accordance with the instructions included in listing and labeling of materials and equipment. NEC 90.7, 110.3 (B)	<input type="checkbox"/>
Identify installations and equipment requiring special approval or investigation. NEC 90.4, 90.7, 110.2, 110.3	<input type="checkbox"/>
Verify that interrupting ratings are adequate for the conditions of the installation. NEC 110.9	<input type="checkbox"/>
Verify that unused openings have effectively been closed. NEC 110.12 (A)	<input type="checkbox"/>
Check for broken or damaged parts and contamination by foreign materials. NEC 110.12 (B)	<input type="checkbox"/>
Check for secure mounting and adequate ventilation space for equipment. NEC 110.13	<input type="checkbox"/>
Check for proper use and ratings of splices and terminations. NEC 110.14 (A) and (B)	<input type="checkbox"/>
Check temperature ratings of terminations. NEC 110.14 (C)	<input type="checkbox"/>
Check for arc flash protection warning signs in non-dwelling occupancies. NEC 110.16	<input type="checkbox"/>
Verify adequate working clearances, dedicated spaces, and headroom around equipment. NEC 110.26 (A), (E) and (F)	<input type="checkbox"/>
Verify that working space and dedicated space are not used for storage. NEC 110.26 (B)	<input type="checkbox"/>
Check adequacy of entrance to and exit from working space. NEC 110.26 (C)	<input type="checkbox"/>
Verify that working spaces have adequate illumination. NEC 110.26 (D)	<input type="checkbox"/>
Check for identification of disconnecting means and circuit directories for panel boards, switchboards, and similar equipment. NEC 110.22, 408.4	<input type="checkbox"/>



INSPECTION GUIDELINES

FOUNDATION GROUNDING /UNDERGROUND- 074 (RESIDENTIAL)

ELECTRICAL

Building permit and approved set of plans	<input type="checkbox"/>
Building permit number on the card is same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check for Notice of Commencement. FBC 105.8	<input type="checkbox"/>
Check location, size and type of connector of the equipment grounding conductors. NEC 250	<input type="checkbox"/>
Check backfill protection and allowances for ground movement or underground conductors and raceways. NEC 300.5 and Table 300.5	<input type="checkbox"/>
Check size and type of conduits for adequate burial depth and protections, as well as suitability for location. NEC Table 300.5, 300.5 (F), 310.7, 310.8, 340.10	<input type="checkbox"/>
Check service conductor warning ribbon. NEC 300.5 (D) (3)	<input type="checkbox"/>
Check backfill protection and allowances for ground movement or underground conductors and raceways. NEC 300.5 and Table 300.5	<input type="checkbox"/>



INSPECTION GUIDELINES

SLAB – 006 (RESIDENTIAL)

ELECTRICAL

Building permit and approved set of plans.	<input type="checkbox"/>
Building permit on the card is the same as on the route.	<input type="checkbox"/>
If this is not first inspection, read inspection records and notes on permit card.	<input type="checkbox"/>
Check installation. NEC Chapter 3, Articles 358.10 (EMT), 342.10 (IMC), 344.10 (RMC), 362.10 (ENT), 352.10 (PVC/RNC), 390.2 (under floor raceways)	<input type="checkbox"/>
Check conduits in footings and tie beams for area cross sections. FBC 1925.3	<input type="checkbox"/>
Check backfill protection and allowances for ground movement or underground conductors and raceways. NEC 300.5 and Table 300.5	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH -002 (RESIDENTIAL)

ELECTRICAL

ALL AREAS	
Building permit and approved set of plans	<input type="checkbox"/>
Building permit on the card is the same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check wiring methods (usually cable assemblies) for support and suitability to the occupancy. NEC Chapter 3, Chapter 7 and Chapter 8	<input type="checkbox"/>
Check cable installation through or parallel to framing members for 1 1/4-in. (32-mm) clearance or protective steel plates. NEC 300.4	<input type="checkbox"/>
Check boxes for suitability of use. NEC 314.27	<input type="checkbox"/>
Verify that boxes are installed in accessible locations for all junctions and outlets and pull points. NEC 300.15, 314.29	<input type="checkbox"/>
Check that cables are secured to boxes. NEC 314.17 (B) and (C)	<input type="checkbox"/>
Check boxes for conductor fill. NEC 314.16	<input type="checkbox"/>
Check positioning of boxes that are intended to be flush with combustible and noncombustible finished surfaces. NEC 314.20	<input type="checkbox"/>
Check for splicing devices on all equipment grounding conductors within boxes and bonding connections to metal boxes. NEC 250.8, 250.86, 250.146, 250.148	<input type="checkbox"/>
Check equipment grounding conductors for suitability and size. NEC 250.118, 250.122	<input type="checkbox"/>
Check boxes used in floors, or for support of ceiling fans, for listing. NEC 314.27 (C) and (D)	<input type="checkbox"/>
Check recessed luminaires for clearances from combustibles and insulation. NEC 410.66 (A) (1), 410.66 (B)	<input type="checkbox"/>
Check recessed luminaire cans to be air tight or trim. FBC Chapter 13.606	<input type="checkbox"/>
Bonding of other metal pipe systems. NEC 250.104 *B)	<input type="checkbox"/>
Smoke detectors, spacing/interconnected/arch fault protected. NFPA 72	<input type="checkbox"/>
Fire Walls. NEC 300.21	<input type="checkbox"/>
Check support for fan boxes. NEC 314.27 (D) and 422.18	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH -002 (RESIDENTIAL)

ELECTRICAL

KITCHEN	
Check spacing of receptacles for walls and countertops, including islands and peninsulas. NEC210.52 (A) and (C)	<input type="checkbox"/>
Verify that a minimum of two 20-A small-appliance branch circuits are used for kitchen receptacles. NEC 210.52 (B)	<input type="checkbox"/>
Verify that a wall-switched lighting outlet is provided and wired on a general lighting circuit. NEC 210.70 (A), 210.52 (B) (2)	<input type="checkbox"/>
Verify that properly sized circuits have been provided for specific kitchen appliances, such as dishwashers, disposals, ranges, cooktops, trash compactors, and the like. NEC 210.23, 422.10	<input type="checkbox"/>
Check for additional small-appliance branch circuits where there is more than one kitchen. NEC 210.52 (B) (3)	<input type="checkbox"/>
Check for other outlets or appliances on small-appliance branch circuits. NEC 210.52 (B) (2)	<input type="checkbox"/>
DINING ROOM	
Check receptacle outlets for proper spacing. NEC 210.52 (A)	<input type="checkbox"/>
Verify that all required receptacle outlets are supplied by small-appliance branch circuits. NEC 210.52 (B)	<input type="checkbox"/>
Check for wall-switch-controlled lighting outlet on a general lighting circuit. NEC 210.70 (A), 210.52 (B) (2)	<input type="checkbox"/>
BATHROOMS	
Verify that receptacle outlets are installed adjacent to and within 36 in. (900 mm) of each basin. NEC 210.52 (D)	<input type="checkbox"/>
Verify that receptacles are supplied by dedicated 20-A branch circuits. NEC 210.11(C) (3)	<input type="checkbox"/>
Check for wall-switch-controlled lighting outlet on a general lighting circuit. NEC 210.70	<input type="checkbox"/>
Spa tubs lighting fixtures. NEC 410.10 (A) and (D)	<input type="checkbox"/>
Check indoor spa plug. NEC 680.43 (A)	<input type="checkbox"/>
Check indoor spa luminaires. NEC 680.43 (B)	<input type="checkbox"/>
Check spa motor bonding. NEC 680.43 (D) (2) and metal parts	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH –002 (RESIDENTIAL)

ELECTRICAL

ROUGH –002 (RESIDENTIAL)	ELECTRICAL
OTHER HABITABLE ROOMS (BEDROOMS, FAMILY ROOMS, PARLORS AND DENS)	
Check receptacle outlets for proper spacing. NEC 210.52 (A)	<input type="checkbox"/>
Check for wall-switch-controlled lighting outlets (Including switched receptacles). NEC 210.70	<input type="checkbox"/>
HALLWAYS	
Check for at least one wall-switch-controlled (or automatic, remote, or centrally controlled) lighting outlet. NEC 210.70 (A) (2)	<input type="checkbox"/>
Verify that hallways that are continuous for 10 ft. (3.0 m) or more have at least one receptacle outlet. NEC 210.52 (H)	<input type="checkbox"/>
STAIRWAYS	
Check for at least one wall-switch-controlled (or automatic, remote, or centrally controlled) lighting outlet. NEC 210.70 (A) (2)	<input type="checkbox"/>
Verify that wall switches are provided at each floor level where there are six or more steps between levels. NEC 210.70 (A) (2)	<input type="checkbox"/>
CLOSETS	
Check clearances between luminaires and storage spaces if luminaires are installed. NEC 410.8	<input type="checkbox"/>
Check spacing required for clothes. NEC 410.16	<input type="checkbox"/>
LAUNDRY AREA	
Verify that at least one receptacle outlet is installed for the laundry. NEC 210.52 (F)	<input type="checkbox"/>
Verify that a dedicated 20-A circuit supplies the laundry outlet (s) and no other outlets. NEC 210.11 (C) (2)	<input type="checkbox"/>
Check for a laundry receptacle outlet within 6 ft. (1.8 m) of the intended appliance location. NEC 210.50 (C)	<input type="checkbox"/>
Check for proper branch-circuit conductors, including equipment grounding conductors, for 240-V dryers (if used). NEC 422.10, 250.134, 250.138	<input type="checkbox"/>
Verify that lighting outlets for the area are supplied from general lighting conduits. NEC 210.11 (C) (2)	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH -002 (RESIDENTIAL)

ELECTRICAL

BASEMENTS AND ATTICS	
Verify that at least one receptacle outlet is provided in unfinished basement areas in addition to any receptacles installed for laundry equipment. NEC 210.52 (G)	<input type="checkbox"/>
Verify that a receptacle outlet is provided for servicing mechanical equipment, if any. NEC 210.63	<input type="checkbox"/>
Verify that individual branch circuits are supplied for central heating equipment, if any. NEC 422.12	<input type="checkbox"/>
Verify that a wall-switch-controlled lighting outlet or a lighting outlet containing a switch is provided at the entrance to equipment requiring servicing. NEC 210.70 (A) (3)	<input type="checkbox"/>
Check accessible attics, attic entrances, and scuttle holes for clearances from or protection of cable assemblies. NEC 320.23, 330.23, 334.23	<input type="checkbox"/>
GARAGES (ATTACHED OR WITH ELECTRIC POWER)	
Verify that at least one receptacle outlet is provided. NEC 210.52 (G)	<input type="checkbox"/>
Verify that a wall-switch-controlled lighting outlet is provided. NEC 210.70 (A) (2)	<input type="checkbox"/>
OUTDOORS	
Check for at least two receptacle outlets, one each at the front and back of the dwelling. NEC 210.52 (E), 210.63	<input type="checkbox"/>
Check for wall-switch-controlled (or remote, central, or automatic-controlled) exterior lighting outlets at outdoor entrances or exits with grade-level access. NEC 210.70 (A) (2)	<input type="checkbox"/>
SERVICES AND SYSTEM GROUNDING	
Review the calculation of service load, and determine the minimum size of service conductors. NEC Article 220, 230.42	<input type="checkbox"/>
Verify that service disconnects and overcurrent devices are located outside or inside nearest the point of entrance of the service conductors. NEC 230.70, 230.91	<input type="checkbox"/>
Verify that service disconnects are grouped together, with no more than six in any one location. NEC 230.71, 230.72.	<input type="checkbox"/>
Check for proper accessibility, working clearances, and dedicated spaces around service equipment. NEC 110.26, 230.91, 240.24	<input type="checkbox"/>
Check service-entrance wiring methods of suitability, support and protection from damage. NEC 230.43, 230.50, 230.51	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH -002 (RESIDENTIAL)

ELECTRICAL

Check for a proper drip loop and weatherhead on overhead services. NEC 230.54	<input type="checkbox"/>
Verify that the point of attachment is adequate and will provide required support and clearances above roofs and grade. NEC 230.24, 230.26	<input type="checkbox"/>
Check service masts for adequate strength and support. NEC230.28	<input type="checkbox"/>
Check for proper clearances of service conductors from building openings. NEC 230.9	<input type="checkbox"/>
Check underground service conductors for proper depth, fill, protection, marking and allowances for ground movement. NEC 300.5	<input type="checkbox"/>
Determine which grounding electrodes area available, and verify that they are bonded together to form a grounding electrode system. NEC 250.50, 250.52	<input type="checkbox"/>
Check any rod, pipe or plate electrodes for proper size, type and installation. NEC 250.52, 250.56	<input type="checkbox"/>
Verify that grounding electrode conductors are unspliced and protected and that any metal enclosures are bonded and electrically continuous. NEC 250.64	<input type="checkbox"/>
Check grounding electrode conductor (s) for proper sizing. NEC 250.66	<input type="checkbox"/>
Check grounding electrode connections for proper type, for protection and for accessibility. NEC 250.8, 250.20, 250.68, 250.70	<input type="checkbox"/>
Verify that the main bonding jumper is installed and of the proper size and type. NEC 250.28	<input type="checkbox"/>
Verify that metal piping systems are bonded, that bonding jumpers are properly sized and that continuity around removable devices is assured. NEC 250.104 (A), 250.68 (B)	<input type="checkbox"/>
Verify that service raceways and enclosures are properly bonded. NEC 250.80, 250.92	<input type="checkbox"/>
Damp and wet locations 1/4 inch gap. NEC 312.2	<input type="checkbox"/>
FEEDERS AND PANELBOARDS	
Review the calculations of feeder loads, and verify that conductors are properly sized and rated. NEC Article 220, 310.15	<input type="checkbox"/>
Verify that panelboards have proper ratings and protection. NEC Article 220, 408.3, 408.16	<input type="checkbox"/>
Check for proper accessibility, working clearances and dedicated spaces around panelboards. NEC 110.26, 240.24	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH -002 (RESIDENTIAL)

ELECTRICAL

Verify that at least the minimum number of overcurrent devices and circuits has been provided. NEC 210.11	<input type="checkbox"/>
Check lighting and appliance panelboards for excessive circuits and circuit provisions. NEC 408.36, 408.54	<input type="checkbox"/>
Verify that the grounded conductor of a feeder circuit is insulated and isolated from equipment grounding conductors and grounded enclosures. NEC 250.24 (A) (5), 250.142 (B), 310.2	<input type="checkbox"/>
Verify that panelboards are grounded by an appropriate and properly sized equipment grounding conductor (or conductors). NEC 408.40, 215.6, 250.118, 250.122	<input type="checkbox"/>
Check termination of grounding and grounded branch circuit conductors.	<input type="checkbox"/>



INSPECTION GUIDELINES

FINAL -001 (RESIDENTIAL)

ELECTRICAL

GENERAL REQUIREMENT (ALL AREAS)	
Building permit and approved set of plans	<input type="checkbox"/>
Building permit on the card is the same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check for correction of any deficiencies noted on previous inspections.	<input type="checkbox"/>
Check positioning of boxes intended to be flush with combustible or noncombustible finished surfaces. NEC 314.20	<input type="checkbox"/>
Check for proper positioning of receptacles and faceplates on walls. NEC 406.4	<input type="checkbox"/>
Check for gaps around outlet boxes in walls. NEC 314.21	<input type="checkbox"/>
Verify that conductor terminations and splicing methods are compatible with conductor materials. NEC 110.14	<input type="checkbox"/>
Verify that receptacles are bonded to metal boxes and that receptacles, switches and metal faceplates are grounded. NEC 250.146, 250.148, 404.9, 406.5 (B)	<input type="checkbox"/>
Check polarity of devices and luminaires. NEC 200.11, 410.23, 406.9	<input type="checkbox"/>
Check for splicing devices on all equipment grounding conductors within boxes and for bonding connections to metal boxes. NEC 250.8, 250.86, 250.148	<input type="checkbox"/>
Verify that device ratings are compatible with circuit and equipment ratings. NEC 210.21, 210.23	<input type="checkbox"/>
Check for proper use of connectors and fittings and for protection of cables. NEC 300.15	<input type="checkbox"/>
Check for bushings or equivalent protection for cables entering boxes and other enclosures. NEC 300.4 (F), 314.42	<input type="checkbox"/>
Verify that unused openings in boxes and other enclosures are closed. NEC 110.12, 314.17 (A), 312.5 (A)	<input type="checkbox"/>
Verify that appliances, motors, and other equipment are grounded. NEC 250.110, 250.112, 250.114	<input type="checkbox"/>
Check installation of listed equipment for compliance with manufacturer's instructions. NEC 110.3 (B)	<input type="checkbox"/>
Verify that fire rating of assemblies has been restored at electrical penetrations. NEC 300.21	<input type="checkbox"/>



INSPECTION GUIDELINES

FINAL -001 (RESIDENTIAL)

ELECTRICAL

Check for disconnecting means on both permanently connected and cord-and plug-connected appliances. NEC Article 422, Part III

Verify that circuits for mechanical equipment have correct conductor size and overcurrent protection. NEC Articles 422, 424, 430 and 440

Check arch fault branch circuits.

Label all equipment and branch circuits at panel.

Verify recessed lighting has gasket or caulk around can or air tight trim.. FBC Chapter 13.606

KITCHEN

Check spacing of receptacles for walls and countertops, including islands and peninsulas. NEC210.52 (A) and (C)

Verify that a minimum of two 20-A small-appliance branch circuits are used for kitchen receptacles. NEC 210.52 (B)

Verify that small-appliance branch circuits are used only for receptacles in kitchen, dining room, pantry and so forth. NEC 210.52 (B) (2)

Verify that countertop receptacles are provided with GFCI protection. 210.8 (A) (6)

Verify that refrigeration equipment is supplied by a small branch circuit or an individual branch circuit. NEC 210.52 (B) (1), Exc. No. 2

Verify that a wall-switched lighting outlet is provided and wired on a general lighting circuit. NEC 210.70 (A), 210.52 (B) (2)

Verify that properly sized circuits have been provided for specific kitchen appliances, such as dishwashers, disposals, ranges, cooktops, trash compactors, and the like. NEC 210.23, 422.10

Check for proper type, length, and use of flexible cords for appliance connections. NEC 422.16

DINING ROOM

Check receptacle outlets for proper spacing. NEC 210.52 (A)

Verify that all required receptacle outlets are supplied by small-appliance branch circuits. NEC 210.52 (B)

Check for wall-switch-controlled lighting outlet on a general lighting circuit. NEC 210.70 (A), 210.52 (B) (2)



INSPECTION GUIDELINES

FINAL -001 (RESIDENTIAL)

ELECTRICAL

BATHROOMS	
Verify that receptacle outlets are installed adjacent to and within 36 in. (900 mm) of each basin. NEC 210.52 (D)	<input type="checkbox"/>
Verify that receptacles are supplied by dedicated 20-A branch circuits. NEC 210.11(C) (3)	<input type="checkbox"/>
Verify that bathroom receptacles are GFCI protected. NEC 210.8	<input type="checkbox"/>
Check for wall-switch-controlled lighting outlet on a general lighting circuit. NEC 210.70	<input type="checkbox"/>
OTHER HABITABLE ROOMS (BEDROOMS, PARLORS AND DENS)	
Check receptacle outlets for proper spacing. NEC 210.52 (A)	<input type="checkbox"/>
Check for wall-switch-controlled lighting outlets (Including switched receptacles). NEC 210.70	<input type="checkbox"/>
Check for arc-fault circuit-interrupter (AFC) protection on bedroom circuits. NEC 210.12	<input type="checkbox"/>
HALLWAYS	
Check for at least one wall-switch-controlled (or automatic, remote, or centrally controlled) lighting outlet. NEC 210.70 (A) (2)	<input type="checkbox"/>
Verify that hallways that are continuous for 10 ft. (3.0 m) or more have at least one receptacle outlet. NEC 210.52 (H)	<input type="checkbox"/>
STAIRWAYS	
Check for at least one wall-switch-controlled (or automatic, remote, or centrally controlled) lighting outlet. NEC 210.70 (A) (2)	<input type="checkbox"/>
Verify that wall switches are provided at each floor level where there are six or more steps between levels. NEC 210.70 (A) (2)	<input type="checkbox"/>
CLOSETS	
Check clearances between luminaries and storage spaces if luminaires are installed. NEC 410.16	<input type="checkbox"/>
LAUNDRY AREA	
Verify that at least one receptacle outlet is installed for the laundry. NEC 210.52 (F)	<input type="checkbox"/>
Verify that a dedicated 20-A circuit supplies the laundry outlet (s) and no other outlets. NEC 210.11 (C) (2)	<input type="checkbox"/>
Check for a laundry receptacle outlet within 6 ft. (1.8 m) of the intended appliance location. NEC 210.50 (C)	<input type="checkbox"/>



INSPECTION GUIDELINES

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FINAL -001 (RESIDENTIAL)**ELECTRICAL**

<p>Check for proper receptacle ratings based on branch-circuit ratings, including receptacles for electric dryers (if used). NEC 210.21, 210.24</p>	<input type="checkbox"/>
<p>Verify that lighting outlets for the area are supplied from general lighting circuits. NEC 210.11 (C) (2)</p>	<input type="checkbox"/>
BASEMENTS AND ATTICS	
<p>Verify that at least one receptacle outlet is provided in unfinished basement areas in addition to any receptacles installed for laundry equipment. NEC 210.52 (G)</p>	<input type="checkbox"/>
<p>Verify that a receptacle outlet is provided for servicing mechanical equipment, if any. NEC 210.63</p>	<input type="checkbox"/>
<p>Verify that GFCI protection is provided for receptacles in unfinished portions of basements (other than receptacles for laundry, pumps or specific appliances). NEC 210.8</p>	<input type="checkbox"/>
<p>Verify that individual branch circuits are supplied for central heating equipment, if any. NEC 422.12</p>	<input type="checkbox"/>
<p>Verify that a wall-switch-controlled lighting outlet or a lighting outlet containing a switch is provided at the entrance to equipment requiring servicing. NEC 210.70 (A) (3)</p>	<input type="checkbox"/>
<p>Check accessible attics, attic entrances, and scuttle holes for clearances from or protection of cable assemblies. NEC 320.23, 330.23, 334.23</p>	<input type="checkbox"/>
GARAGES (ATTACHED OR WITH ELECTRIC POWER)	
<p>Verify that at least one receptacle outlet is provided. NEC 210.52 (G)</p>	<input type="checkbox"/>
<p>Verify that GFCI protection is provided for all readily accessible receptacles, other than those for appliances in dedicated spaces.</p>	<input type="checkbox"/>
<p>Verify that a wall-switch-controlled lighting outlet is provided. NEC 210.70 (A) (2)</p>	<input type="checkbox"/>
OUTDOORS	
<p>Check for at least two receptacle outlets, one each at the front and back of the dwelling. NEC 210.52 (E), 210.63</p>	<input type="checkbox"/>
<p>Verify that outdoor receptacles are GFCI protected unless they are not readily accessible and are supplied by circuits for deicing or snow-melting equipment. NEC 210.8</p>	<input type="checkbox"/>
<p>Check for wall-switch-controlled (or remote, central, or automatic-controlled) exterior lighting outlets at outdoor entrances or exits with grade-level access. NEC 210.70 (A) (2)</p>	<input type="checkbox"/>
<p>Check for boxes at exterior luminaire locations. NEC 300.15, 314.27</p>	<input type="checkbox"/>



INSPECTION GUIDELINES

FINAL -001 (RESIDENTIAL)

ELECTRICAL

SERVICE EQUIPMENT, FEEDERS AND PANELBOARDS	
Review bonding and grounding If not completed during previous inspections. NEC Article 250	<input type="checkbox"/>
Check overcurrent devices for compatibility with conductors (terminals, ratings and ampacities). NEC 240.4, 110.14, 310.15	<input type="checkbox"/>
Check for proper identification of all overcurrent devices and disconnects. NEC110.22, 230.70	<input type="checkbox"/>
Check for open spaces in panelboard fronts. NEC 110.12	<input type="checkbox"/>
Verify that doorbell and other Class 2 wiring and transformers are located in appropriate places (not in service equipment or panelboards). NEC 312.8, 725.35	<input type="checkbox"/>
Verify that any back fed overcurrent devices are secured in place. NEC 408.36 (D)	<input type="checkbox"/>



INSPECTION GUIDELINES

FOUNDATION GROUNDING/UNDERGROUND – 074 (COMMERCIAL)

ELECTRICAL

Building permit and approved set of plans	<input type="checkbox"/>
Building permit number on the card is same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check for Notice of Commencement. FBC 105.8	<input type="checkbox"/>
Check location, size and type of connector of the equipment grounding conductors. NEC 250	<input type="checkbox"/>
Check backfill protection and allowances for ground movement or underground conductors and raceways. NEC 300.5 and Table 300.5	<input type="checkbox"/>
Check size and type of conduits for adequate burial depth and protection, as well as suitability for location NEC Table 300.5, 300.5 (F), 310.7, 310.8, 340.10	<input type="checkbox"/>
Check service conductor warning ribbon. NEC 300.5 (D) (3)	<input type="checkbox"/>
Check backfill protection and allowances for ground movement or underground conductors and raceways. NEC 300.5 and Table 300.5	<input type="checkbox"/>



INSPECTION GUIDELINES

SLAB – 006 (COMMERCIAL)

ELECTRICAL

Building permit and approved set of plans	<input type="checkbox"/>
Building permit on the card is the same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check size and type of conduits for adequate burial depth and protection, as well as suitability for location. NEC Table 300.5, 300.5 (F), 310.7, 310.8, 340.10	<input type="checkbox"/>
Check service conductor warning ribbon. NEC 300.5 (D) (3)	<input type="checkbox"/>
Check backfill protection and allowances fro ground movement or underground conductors and raceways. NEC 300.5 and Table 300.5	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH - 002 (COMMERCIAL)

ELECTRICAL

Building permit and approved set of plans	<input type="checkbox"/>
Building permit on the card is the same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
GENERAL WIRING METHODS	
Identify the wiring methods in use and verify their suitability for the occupancy and conditions. NEC various Chapter 3 articles	<input type="checkbox"/>
Verify that all conductors of a circuit are grouped together. NEC 300.3 (B)	<input type="checkbox"/>
Check insulation values where conductors of different systems share common enclosures. NEC 300.3 (C) (1) and (2)	<input type="checkbox"/>
Check wiring methods for spacing from edges of framing and for protection from nails and screws. NEC 300.4 (A) (B) (D) and (E)	<input type="checkbox"/>
Check for insulating bushings or grommets where NM cable is installed through metal studs or conductors 4 AWG or larger enter enclosures. NEC 300.4 (B) (1) and (F)	<input type="checkbox"/>
Verify that electrical raceways and cable trays are used exclusively for electrical conductors. NEC 300.8	<input type="checkbox"/>
Check for continuity and completeness in metal raceways and enclosures. NEC 300.10	<input type="checkbox"/>
Verify that wiring methods are securely fastened in place, supported independently of suspended ceilings, and not used as supports. NEC 300.11 and applicable Chapter 3 article(s)	<input type="checkbox"/>
Check for continuity of grounded conductors in multiwire branch circuits. NEC 300.13 (B)	<input type="checkbox"/>
Check for adequate length of free conductors in boxes. NEC 300.14	<input type="checkbox"/>
Verify that boxes are installed at junction, splice, outlet, switch and pull points. NEC 300.15	<input type="checkbox"/>
Check conductor fill in raceways. NEC 300.17	<input type="checkbox"/>
Verify that raceway systems are complete prior to installation of conductors. NEC 300.18 (A)	<input type="checkbox"/>
Check vertical raceways for adequate conductor supports. NEC 300.19	<input type="checkbox"/>
Verify that fire ratings have been restored at electrical penetrations. NEC 300.21	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH – 002 (COMMERCIAL)

ELECTRICAL

Check installations of wiring in ducts, plenums and other air-handling spaces for proper methods and materials. NEC 300.22	<input type="checkbox"/>
Verify that access to equipment behind removable panels are not compromised by cables, raceways, or equipment. NEC 300.23	<input type="checkbox"/>
BOXES AND CONDUIT BODIES	
Identify wet and damp locations and the suitability of boxes and fittings. NEC 314.15	<input type="checkbox"/>
Check boxes and conduit bodies for adequate space for conductors. NEC 314.16	<input type="checkbox"/>
Verify that boxes for conductors and conduit bodies 4 AWG and larger are adequately sized. NEC 314.28	<input type="checkbox"/>
Verify that raceways and cables are secured to boxes. NEC 314.17 (B) and (C)	<input type="checkbox"/>
Check for closure of unused openings. NEC 314.17 (A)	<input type="checkbox"/>
Verify that boxes in walls and ceilings are flush with the finished surface or, if surfaces are noncombustible, within 1/4 in. (6 mm) of the finished surface. NEC 314.20	<input type="checkbox"/>
Check for excessive gaps between edges of boxes and plaster, plasterboard or drywall surfaces. NEC 314.21	<input type="checkbox"/>
Verify that boxes are securely fastened and supported. NEC 314.23	<input type="checkbox"/>
Check for covers or canopies on boxes. NEC 314.25 and 314.28 (C)	<input type="checkbox"/>
Check lighting fixture outlet boxes for suitability. NEC 314.27 (A) and (B)	<input type="checkbox"/>
Check floor boxes and receptacle/cover assemblies for listing. NEC 314.27 (C)	<input type="checkbox"/>
Check listing and installation of boxes used for support of ceiling-suspended (paddle) fans. NEC 314.27 (D) and 422.18	<input type="checkbox"/>
Verify that all boxes are accessible. NEC 314.29	<input type="checkbox"/>
Verify that support means for nonmetallic boxes are outside the box or otherwise isolated from contact with conductors. NEC 314.43	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH – 002 (COMMERCIAL)

ELECTRICAL

CABINETS AND CUTOUT BOXES

Verify that cabinets and cutout boxes are suitable and properly installed in any wet or damp locations. NEC 312.2

Verify that cabinets in wall are flush with the finished surface or, if surface is noncombustible, within 1/4 in. (6 mm) of the finished surface. NEC 312.3

Check for closure of unused openings. NEC 312.5 (A)

Verify that cables are secured to cabinets and cutout boxes or that the conditions for cables with nonmetallic sheaths are met. NEC 312.5 (C)

Check wiring and bending space in cabinets and cutout boxes. NEC 312.6

Check cabinets and cutout boxes for adequate space for conductors and for splices and taps where they exist. NEC 312.7 and 312.8

SWITCHES AND RECEPTACLES

Verify that all switching is done in the ungrounded conductors. NEC 404.2

Verify that switches are located not over 6 ft. 7 in. (2 m) high and that they can be operated from readily accessible places unless otherwise permitted. NEC 404.8 (A)

Verify that the voltage between adjacent grouped or ganged devices is not over 300 volts or that barriers are installed. NEC 404.8 (B)

Verify that switches or receptacles in boxes have their plaster ears seated against the wall surface or the box. NEC 404.10 (B) and 406.4 (A) and (B)

SERVICES

Verify that each building or structure has only one service or, if more than one, that additional services are justified. NEC 230.2

Verify that each service drop or lateral serves only one set of service-entrance conductors or, if more than one, that the additional sets are justified. NEC 230.40

Check clearances from building openings, grade, roadway, roofs and swimming pools. NEC 230.24

Verify that the point of attachment for an overhead service drop is adequate and will provide minimum clearances. NEC 230.26, 230.27



INSPECTION GUIDELINES

ROUGH – 002 (COMMERCIAL)

ELECTRICAL

Verify that masts used as support for service-drop conductors have adequate strength and are not used to support other conductors or equipment. NEC 230.28	<input type="checkbox"/>
Verify that support for service conductors passing over a roof are adequate and substantial. NEC 230.29	<input type="checkbox"/>
Check above-ground conductors and cables for adequate support and protection from physical damage. NEC 230.50, 230.51	<input type="checkbox"/>
Verify that wiring methods or support system for service-entrance conductors are suitable. NEC 230.43, 230.44, 230.202	<input type="checkbox"/>
Verify that service raceways are arranged to drain and that service heads are raintight and properly located. NEC 230.53, 230.54	<input type="checkbox"/>
Check service conductors for adequate size and rating. NEC 230.23, 230.31, 230.42	<input type="checkbox"/>
Verify that service equipment is identified as suitable for the use. NEC 230.66	<input type="checkbox"/>
Verify that a service disconnecting means is provided, suitable, marked and located outside or inside nearest the point of entrance of the service conductors. NEC 230.70	<input type="checkbox"/>
Verify that service overcurrent protection is provided, properly sized, and part to or adjacent to the disconnecting means. NEC 230.90, 230.91	<input type="checkbox"/>
Verify that service disconnects are grouped together and limited to six in any one location. NEC 230.71, 230.72	<input type="checkbox"/>
Check ratings of service disconnecting means. NEC 230.79, 230.80	<input type="checkbox"/>
Check for equipment connected to the supply side of the service disconnecting means and overcurrent protection. NEC 230.82, 230.94	<input type="checkbox"/>
FEEDERS	
Verify that feeders are at least equal to the minimum required size. NEC 215.2	<input type="checkbox"/>
Verify that feeder conductors, including any neutral conductors, are adequate for the load. NEC 220.40, 220.80	<input type="checkbox"/>
Check overcurrent device and feeder conductor sizing for continuous and noncontinuous loads. NEC 220.60, 215.3	<input type="checkbox"/>
Check feeders with disconnecting means rated at 1000 A or greater for GFP for equipment if required. NEC 215.10, 230.95	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH – 002 (COMMERCIAL)

ELECTRICAL

Verify that disconnects are provided at separate structures for feeders running between structures. NEC Article 225, Part II	<input type="checkbox"/>
Verify that disconnects at separate structures are properly rated, located, grouped and identified. NEC Article 225, Part II	<input type="checkbox"/>
Verify that any outside feeders use appropriate wiring methods and are properly supported and arranged to drain. NEC 225.10 and 225.20 through 225.22	<input type="checkbox"/>
Check any outside feeders for adequate supports, clearances and mechanical protection. NEC 225.15 through 225.20	<input type="checkbox"/>
Verify that feeders tapped from transformers are properly protected by overcurrent devices. NEC 240.4 (E) and (F), 240.21 (C)	<input type="checkbox"/>
Check panelboards supplying or supplied by feeders for overcurrent protection, grounding, proper enclosures, and number of overcurrent devices. NEC 408.36 through 408.41	<input type="checkbox"/>
BRANCH CIRCUITS	
Verify that wiring methods used are appropriate for the conditions and occupancy. NEC Chapter 3	<input type="checkbox"/>
Check panelboards for proper overcurrent protection and limitations on number of overcurrent devices. NEC 408.36 through 408.54	<input type="checkbox"/>
Check individual and multiwire branch circuits for proper ratings. NEC 210.3	<input type="checkbox"/>
Check conductors and overcurrent protection for consideration of continuous and noncontinuous loads, multioutlet loads, and minimum ampacity and size. NEC 210.19, 210.20	<input type="checkbox"/>
Check branch circuits supplying receptacles and other outlet devices for permitted ratings of circuits and receptacles. NEC 210.21, 210.24	<input type="checkbox"/>
Verify that branch-circuit loads do not exceed maximum permitted loads. NEC 220.10	<input type="checkbox"/>
Verify that branch circuits supplying motors are sized according to Article 430 or 440 and that inductive lighting loads are based on ballast ratings. NEC 220.18	<input type="checkbox"/>
Verify that branch circuits are used to supply only permissible loads based on their ratings. NEC 210.23	<input type="checkbox"/>
Verify that the number of branch circuits is adequate and that the load is evenly proportioned among the branch circuits. NEC 210.11	<input type="checkbox"/>
Check for compliance with branch-circuit voltage limitations. NEC 210.6	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH – 002 (COMMERCIAL)

ELECTRICAL

Verify that branch circuits for specific loads meet the requirements of the applicable articles. NEC 210.2	<input type="checkbox"/>
Check for proper use and identification of multiwire branch circuits. NEC 210.4, 210.5 (C)	<input type="checkbox"/>
Check for required receptacles and lighting at mechanical equipment. NEC 210.63, 210.70 (C)	<input type="checkbox"/>
Check for required outlets or receptacles for show windows and signs. NEC 210.62, 600.5 (A)	<input type="checkbox"/>
Verify that receptacles are provided for all cord-and plug-connected appliances, and where flexible cords are used. NEC 210.50	<input type="checkbox"/>
Verify that GFCI protection is provided for receptacles in bathrooms, in kitchens, and on rooftops other than dwelling units. NEC 210.8 (B)	<input type="checkbox"/>
Verify that disconnects are provided at separate structures for branch circuits running between structures. NEC Article 225, Part II, 225.31, 225.32 and 225.33	<input type="checkbox"/>
Check for adequate size and clearances for outside branch circuits. NEC 225.6, 225.18, 225.19	<input type="checkbox"/>
SERVICE GROUNDING AND BONDING	
Determine what grounding electrodes are available on the premises. NEC 250.50, 250.52 (A) (1) through (8)	<input type="checkbox"/>
Determine which other electrodes are required or used. NEC 250.52 (A) (1) through (8)	<input type="checkbox"/>
Verify that the grounding electrode conductor or conductors are properly sized. NEC 250.66, 250.64 (F)	<input type="checkbox"/>
Verify that the grounding electrode conductors are protected and secured. NEC 250.64 (A) and (B)	<input type="checkbox"/>
Verify that grounding electrode conductor enclosures are properly bonded. NEC 250.64 (E)	<input type="checkbox"/>
Verify that grounding electrode conductor is either unspliced or spliced using appropriate methods. NEC 250.64 (C)	<input type="checkbox"/>
Check for correct size and installation of any rod or pipe electrodes. NEC 250.52, 250.53 (G)	<input type="checkbox"/>
Verify the accessibility of grounding electrode conductor connections. NEC 250.68 (A)	<input type="checkbox"/>
Check for proper grounding electrode conductor connections, including buried connections. NEC 250.70, 250.68	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH – 002 (COMMERCIAL)

ELECTRICAL

Verify that metal water pipe is bonded. NEC 250.104 (A)	<input type="checkbox"/>
Verify that exposed structural building frames are bonded. NEC 250.104 (C)	<input type="checkbox"/>
Check for proper size and length of bonding jumpers around water meters and the like. NEC 250.66, 250.68 (B), 250.104 (A)	<input type="checkbox"/>
Check the size, type and installation of the main bonding jumper. NEC 250.28	<input type="checkbox"/>
Verify appropriate grounding methods for equipment fastened in place or connected by permanent wiring methods. NEC 250.134, 250.136	<input type="checkbox"/>
Verify appropriate types of equipment grounding conductors. NEC 250.118	<input type="checkbox"/>
Check separate equipment grounding conductors for proper sizing and identification. NEC 250.122, 250.119	<input type="checkbox"/>
Check connections of equipment grounding conductors within outlet boxes. NEC 250.146, 250.148	<input type="checkbox"/>
Verify that proper methods are used to bond receptacles to boxes. NEC 250.146, 250.8	<input type="checkbox"/>
Check installation of equipment bonding jumpers, especially where flexible connections of cords are used. NEC 250.96, 250.102, 350.60, 348.60	<input type="checkbox"/>
Verify grounding of panelboards and connections of equipment grounding conductors to panelboards. NEC 408.40, 408.41	<input type="checkbox"/>
Verify proper grounding at separate buildings or structures. NEC 250.32 (B) (1) (2)	<input type="checkbox"/>
Check equipment grounding of electrical ranges and clothes dryers. NEC 250.140, 250.142	<input type="checkbox"/>
Verify bonding of raceways and cable sheaths containing circuits operating at over 250 volts to ground. NEC 250.97	<input type="checkbox"/>
Check installations with isolated grounding conductors for proper connections and for grounding of the associated enclosures and wiring methods. 250.146 (D), 250.96 (B), 406.2 (D), 408.40	<input type="checkbox"/>
Check for occupancies or equipment with special grounding or bonding requirements. NEC 250.4	<input type="checkbox"/>
WHEELCHAIR ACCESSIBILITY	
Forward reach for wheelchairs; verify receptacles no lower than 15" AFF, no higher than 48" AFF. FBC 11-4.2.5	<input type="checkbox"/>



INSPECTION GUIDELINES

ROUGH - 002 (COMMERCIAL)

ELECTRICAL

Clear side reach for wheelchair, verify receptacles no lower than 9" AFF, no higher than 54" AFF. FBC 11-4.2.6	<input type="checkbox"/>
Maximum forward reach with obstruction less than 20" into space: 48" AFF. FBC 11 Figure 5(b)	<input type="checkbox"/>
Maximum forward reach with obstruction between 20" to 25" in o space: 44" AFF. FBC 11 Figure 5(b)	<input type="checkbox"/>
Maximum side-reach with obstruction 34" high and 24" wide: 46" AFF. FBC 11 Figure 6	<input type="checkbox"/>



INSPECTION GUIDELINES

FINAL - 001 (COMMERCIAL)

ELECTRICAL

Building permit and approved set of plans	<input type="checkbox"/>
Building permit on the card is the same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Verify that all devices, luminaries and equipment are installed and secured as shown on the approved plans	<input type="checkbox"/>
CABINETS AND CUTOUT BOXES	
Verify that cabinets and cutout boxes are suitable and properly installed in any wet or damp locations. NEC 312.2	<input type="checkbox"/>
Verify that cabinets in wall are flush with the finished surface or, if surface is noncombustible, within 1/4 in. (6 mm) of the finished surface. NEC 312.3	<input type="checkbox"/>
SWITCHES AND RECEPTACLES	
Verify that any switches in wet locations are properly installed in weatherproof enclosures. NEC 404.4	<input type="checkbox"/>
Verify that switches are located not over 6 ft. 7 in. (2 m) high and that they can be operated from readily accessible places unless otherwise permitted. NEC 404.8 (A)	<input type="checkbox"/>
Verify that metal switch boxes, switches and any metal faceplates are grounded. NEC 404.9 (B) and 404.12	<input type="checkbox"/>
Verify that switches and receptacles are used within their ratings. NEC 404.14, 406.2 (A) and 430.109	<input type="checkbox"/>
Verify that general-use dimmers are installed only for control of permanently installed incandescent lighting. NEC 404.14 (E)	<input type="checkbox"/>
Check listing and marking of any switches or receptacles used with aluminum conductors. NEC 404.14 (C), 406.2 (C) and 110.14	<input type="checkbox"/>
Check receptacles in wet or damp locations for proper covers and enclosures. NEC 406.8	<input type="checkbox"/>
Verify that isolated ground receptacles are properly identified and connected to isolated grounding conductors. NEC 406.2 (D)	<input type="checkbox"/>
Check the receptacles project from metal faceplates or are flush with nonmetallic faceplates and that the faceplates cover openings. NEC 406.4 (D)	<input type="checkbox"/>
Check receptacles for proper polarity and for grounding and bonding connections. NEC 406.3, 250.146, and 200.11	<input type="checkbox"/>
Verify that receptacle ratings and branch-circuit ratings are compatible. NEC 210.21 and 210.24	<input type="checkbox"/>



INSPECTION GUIDELINES

FINAL - 001 (COMMERCIAL)

ELECTRICAL

SERVICES	
Verify that each building or structure has only the one service or, if more than one, that additional services are justified. NEC 230.2	<input type="checkbox"/>
Verify that each service drop or lateral serves only one set of service-entrance conductors or, if more than one, that the additional sets are justified. NEC 230.40	<input type="checkbox"/>
Check clearances from building openings, grade, roadway, roofs and swimming pools. NEC 230.24	<input type="checkbox"/>
Verify that the point of attachment for an overhead service drop is adequate and will provide minimum clearances. NEC 230.26, 230.27	<input type="checkbox"/>
Verify that masts use as support for service-drop conductors have adequate strength and are not used to support other conductors or equipment. NEC 230.28	<input type="checkbox"/>
Verify that support for service conductors passing over a roof are adequate and substantial. NEC 230.29	<input type="checkbox"/>
Verify that service equipment is identified as suitable for the use. NEC 230.66	<input type="checkbox"/>
Verify that a service disconnecting means is provided, suitable, marked and located outside or inside nearest the point of entrance of the service conductors. NEC 230.70	<input type="checkbox"/>
Verify that service overcurrent protection is provided, properly sized, and part to or adjacent to the disconnecting means. NEC 230.90, 230.91	<input type="checkbox"/>
Verify that service disconnects are grouped together and limited to six in any one location. NEC 230.71, 230.72	<input type="checkbox"/>
Check ratings of service disconnecting means. NEC 230.79, 230.80	<input type="checkbox"/>
BRANCH CIRCUITS	
Check for required receptacles and lighting at mechanical equipment. NEC 210.63, 210.70 (C)	<input type="checkbox"/>
Check for required outlets or receptacles for show windows and signs. NEC 210.62, 600.5 (A)	<input type="checkbox"/>
Verify that GFCI protection is provided for receptacles in bathrooms, in kitchens, and on rooftops other than dwelling units. NEC 210.8 (B)	<input type="checkbox"/>
Verify that disconnects are provided at separate structures for branch circuits running between structures. NEC Article 225, Part II, 225.31, 225.32 and 225.33	<input type="checkbox"/>



INSPECTION GUIDELINES

FINAL - 001 (COMMERCIAL)

ELECTRICAL

SERVICE GROUNDING AND BONDING

Verify that the grounding electrode conductor or conductors are properly sized. NEC 250.66, 250.64 (F)

Verify that the grounding electrode conductors are protected and secured. NEC 250.64 (A) and (B)

Check for correct size and installation of any rod or pipe electrodes. NEC 250.52, 250.53 (G)

Verify that metal water pipe is bonded. NEC 250.104 (A)

Verify that exposed structural building frames are bonded. NEC 250.104 (C)

Check for proper size and length of bonding jumpers around water meters and the like. NEC 250.66, 250.68 (B), 250.104 (A)

Check separately derived systems for proper grounding electrodes, grounding electrode conductors and bonding jumpers. NEC 250.30 (A)

EQUIPMENT GROUNDING AND BONDING

Check for occupancies or equipment with special grounding or bonding requirements. NEC 250.3

WHEELCHAIR ACCESSIBILITY

Forward reach for wheelchairs, verify receptacles no lower than 15" AFF, no higher than 48" AFF. FBC 11-4.2.5

Clear side reach for wheelchair, verify receptacles no lower than 9" AFF, no higher than 54" AFF. FBC 11-4.2.6

Maximum forward reach with obstruction less than 20" into space: 48" AFF. FBC 11 Figure 5(b)

Maximum forward reach with obstruction between 20" to 25" in o space: 44" AFF. FBC 11 Figure 5(b)

Maximum side-reach with obstruction 34" high and 24" wide: 46" AFF. FBC 11 Figure 6