

Electrical Inspection Checklists

This pdf contains 77 electrical inspection checklists taken from the 2014 *Electrical Inspection Manual with Checklists*. The checklists are in PDF format and can be completed electronically or printed and used as hard copy.

The checklists are intended to help inspectors keep track of the numerous aspects of an electrical installation that must be checked, verified, reviewed, determined, or otherwise examined for *NEC*[®] compliance. The checklists are also intended to serve as an organizational tool for contractors, project managers, or anyone who conducts, receives, or is responsible for electrical inspections, or who may wish to perform self-inspections, of electrical installations.

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ELECTRICAL INSPECTION CHECKLIST

Introduction

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 1-1: General Safety Checklist for Electrical Inspections

✓	Item	Basic Hazard Analysis	Comments
	1.	Does the inspection task involve exposed energized conductors or circuit parts?	
	2.	Can the risk of exposure to electrical hazards be justified?	
	3.	What is the voltage of the equipment that requires inspection?	
	4.	Where are the approach boundaries for shock protection?	
	5.	Will the inspection involve crossing any of the approach boundaries?	
	6.	Has an incident energy analysis been performed for the equipment?	

Introduction

Checklist 1-1: General Safety Checklist for Electrical Inspections (cont.)

✓	Item	Basic Hazard Analysis	Comments
	7.	Are the available short-circuit current and clearing times known?	
	8.	Where is the Arc Flash Boundary?	
	9.	Will any part of the body be within the Arc Flash Boundary?	
	10.	How will PPE for arc flash protection be selected?	
	11.	Is the appropriate arc-rated PPE available?	
	12.	Is the inspector qualified for this specific task and risk?	

Source: Data from NFPA 70E, *Standard for Electrical Safety in the Workplace*, 2012.

ELECTRICAL INSPECTION CHECKLIST

General Requirements Inspections

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 2-1: General Requirements for Electrical Inspections

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Identify installations or parts of installations that are covered by the <i>NEC</i> .	90.2(A) and (B)	
	2.	Verify that installations have been made in accordance with the instructions included in listing and labeling of materials and equipment.	90.7, 110.3(B)	
	3.	Identify installations and equipment requiring special approval or investigation.	90.4, 90.7, 110.2, 110.3	
	4.	Verify that interrupting ratings and short-circuit current ratings are adequate for the conditions of the installation.	110.9, 110.10, 110.24	
	5.	Verify that unused openings have been effectively closed.	110.12(A), 408.7	
	6.	Check for broken or damaged parts and contamination by foreign materials.	110.12(C)	
	7.	Check for secure mounting and adequate ventilation space for equipment.	110.13	

General Requirements Inspections

Checklist 2-1: General Requirements for Electrical Inspections (cont.)				
✓	Item	Inspection Activity	NEC Reference	Comments
	8.	Check for proper use and ratings of splices and terminations.	110.14(A) and (B)	
	9.	Check temperature ratings of terminations.	110.14(C)	
	10.	Check for arc flash protection warning signs.	110.16	
	11.	Check for markings on enclosures and verify appropriate ratings for the environment.	110.28	
	12.	Verify adequate working clearances, dedicated spaces, and headroom around equipment.	110.26(A) and (E)	
	13.	Verify that working space and dedicated space are not used for storage.	110.26(B)	
	14.	Check adequacy of entrance to and egress from working space in general and verify that spaces containing large equipment have at least two entrances/exits or the equivalent.	110.26(C), 110.26(C)(2)	
	15.	Verify that working spaces have adequate illumination.	110.26(D)	
	16.	Check for identification of disconnecting means and circuit directories for panelboards, switchboards, switchgear and similar equipment.	110.22, 408.4	
Source: Data from NFPA 70E, <i>Electrical Safety in the Workplace</i> , 2009.				

ELECTRICAL INSPECTION CHECKLIST

Wiring Methods and Devices

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 3-1: General Wiring Methods

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Identify the wiring methods in use and verify their suitability for the occupancy and conditions.	Various Chapter 3 articles	
	2.	Verify that all conductors of a circuit are grouped together.	300.3(B), 210.4(D) and 404.2(C)	
	3.	Check insulation values where conductors of different systems share common enclosures.	300.3(C)(1) and (2)	
	4.	Check wiring methods for spacing from edges of framing and for protection from nails and screws.	300.4(A), (B), (D), (E), and (F)	
	5.	Check for insulating bushings or grommets where NM cable is installed through metal studs or where insulated conductors 4 AWG or larger enter enclosures.	300.4(B)(1) and (G)	
	6.	Check cover, fill, protection, and allowances for ground movement on underground conductors and raceways.	300.5 and Table 300.5	
	7.	Verify that electrical raceways and cable trays are used exclusively for electrical conductors.	300.8	

Wiring Methods and Devices

Checklist 3-1: General Wiring Methods (cont.)				
✓	Item	Inspection Activity	NEC Reference	Comments
	8.	Check for continuity and completeness in metal raceways and enclosures.	300.10	
	9.	Verify that wiring methods are securely fastened in place, supported independently of suspended ceilings, and not used as supports.	300.11 and applicable Chapter 3 article(s)	
	10.	Check for continuity of grounded conductors in multiwire branch circuits.	300.13(B)	
	11.	Check for adequate length of free conductors in boxes.	300.14	
	12.	Verify that boxes are installed at junction, splice, outlet, switch, and pull points.	300.15	
	13.	Check conductor fill in raceways.	300.17	
	14.	Verify that raceway systems are complete prior to installation of conductors.	300.18(A)	
	15.	Check vertical raceways for adequate conductor supports.	300.19	
	16.	Verify that fire ratings have been restored at electrical penetrations.	300.21	
	17.	Check installations of wiring in ducts, plenums, and other air-handling spaces for proper methods and materials.	300.22	
	18.	Verify that access to equipment behind removable panels is not compromised by cables, raceways, or equipment.	300.23	

Wiring Methods and Devices

Checklist 3-2: Boxes and Conduit Bodies

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Identify wet and damp locations and the suitability of boxes and fittings.	314.15	
	2.	Check boxes and conduit bodies for adequate space for conductors.	314.16	
	3.	Verify that boxes and conduit bodies for conductors 4 AWG and larger are adequately sized.	314.28	
	4.	Verify that raceways and cables are secured to boxes.	314.17(B) and (C)	
	5.	Check for closure of unused openings other than those permitted as part of the design of listed equipment.	314.17(A), 110.12(A)	
	6.	Verify that boxes in walls and ceilings are flush with the finished surface or, if surfaces are noncombustible, within ¼ in. (6 mm) of the finished surface.	314.20	
	7.	Check for excessive gaps between edges of boxes and plaster, plasterboard, or drywall surfaces.	314.21	
	8.	Verify that boxes are securely fastened and supported.	314.23	
	9.	Check boxes for adequate depth for the equipment that will be installed within them.	314.24	
	10.	Check for covers or canopies on boxes.	314.25, 314.28(C)	
	11.	Check lighting fixture outlet boxes for suitability.	314.27(A), (B), and (C)	
	12.	Check floor boxes and receptacle/cover assemblies for listing.	314.27(C)	
	13.	Check listing and installation of boxes used for support of ceiling-suspended (paddle) fans.	314.27(C), 422.18	
	14.	Verify that all boxes are accessible.	314.29	
	15.	Verify that support means for nonmetallic boxes are outside the box or otherwise isolated from contact with conductors.	314.43	

Wiring Methods and Devices

Checklist 3-3: Cabinets and Cutout Boxes

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that cabinets or cutout boxes are suitable and properly installed in any wet or damp locations.	312.2	
	2.	Verify that cabinets in walls do not have excessive gaps at the edges and are flush with the finished surface or, if surfaces are noncombustible, within ¼ in. (6 mm) of the finished surface.	312.3, 312.4	
	3.	Check for closure of conductor openings.	312.5(A)	
	4.	Verify that cables are secured to cabinets and cutout boxes or that the conditions for cables with nonmetallic sheaths are met.	312.5(C)	
	5.	Check wiring and bending space in cabinets and cutout boxes.	312.6	
	6.	Check cabinets and cutout boxes for adequate space for conductors and for splices and taps where they exist.	312.7, 312.8	

Wiring Methods and Devices

Checklist 3-4: Switches and Receptacles

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that all switching is done in the ungrounded conductors.	404.2	
	2.	Verify that any switches in wet locations are properly installed in weatherproof enclosures.	404.4	
	3.	Verify that switches are located not over 6 ft 7 in. (2.0 m) high and that they can be operated from readily accessible places unless otherwise permitted.	404.8(A), 240.24(A)	
	4.	Verify that the voltage between adjacent grouped or ganged devices is not over 300 volts or that barriers are installed.	404.8(B) and (C)	
	5.	Verify that metal switch boxes, switches, and any metal faceplates are grounded.	404.9(B), 404.12	
	6.	Verify that switches or receptacles in boxes have their plaster ears seated against the wall surface or the box.	404.10(B), 406.5(A), and (B)	
	7.	Verify that switches and receptacles are used within their ratings.	404.14, 406.3(A), 430.109	
	8.	Verify that general-use dimmers are installed only for control of permanently installed incandescent lighting.	404.14(E)	
	9.	Check the listing and marking of any switches or receptacles used with aluminum conductors.	404.14(C), 406.3(C), 110.14	
	10.	Check receptacles in wet or damp locations for proper covers and enclosures and weather-resistant ratings.	406.9	
	11.	Verify that isolated ground receptacles are properly identified and connected to isolated grounding conductors.	406.3(D)	
	12.	Check that receptacles project from metal faceplates or are flush with nonmetallic faceplates and that the faceplates cover openings.	406.5(D), 406.6	
	13.	Check receptacles for proper polarity and for grounding and bonding connections.	406.4, 250.146, 200.11	
	14.	Verify that receptacle ratings and branch-circuit ratings are compatible.	210.21, 210.24	

ELECTRICAL INSPECTION CHECKLIST

Services, Feeders, and Branch Circuits

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 4-1: Services

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that each building or structure has only one service or, if more than one, that additional services are justified and identified.	230.2	
	2.	Verify that each service drop or lateral supplies only one set of service-entrance conductors or, if more than one, that the additional sets are justified and identified.	230.40, 230.40 Exception No. 1, 230.2	
	3.	Check clearances from building openings, grade, roadway, roofs, and swimming pools.	230.9, 230.24, 680.8	
	4.	Verify that the point of attachment for an overhead service drop is adequate and will provide minimum clearances.	230.26, 230.27	
	5.	Verify that masts used as supports for service-drop conductors have adequate strength and are not used to support other conductors or equipment.	230.28	
	6.	Verify that supports for service conductors passing over a roof are adequate and substantial.	230.29	
	7.	Check underground conductors for adequate burial depth and protection.	230.32, 230.50, 300.5	

Services, Feeders, and Branch Circuits

Checklist 4-1: Services (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	8.	Check above-ground conductors and cables for adequate supports and protection from physical damage.	230.50, 230.51	
	9.	Verify that wiring methods and support systems for service-entrance conductors are suitable.	230.43, 230.44	
	10.	Verify that service raceways are arranged to drain and that service heads are raintight and properly located.	230.53, 230.54	
	11.	Check service conductors for adequate size and rating.	230.23, 230.31	
	12.	Verify that service equipment is identified as suitable for that use.	230.66	
	13.	Verify that a service disconnecting means is provided, suitable, and located outside or inside nearest the point of entrance of the service conductors.	230.70	
	14.	Verify that service overcurrent protection is provided, properly sized, and part of or adjacent to the disconnecting means.	230.90, 230.91	
	15.	Verify that service disconnects are grouped together and limited to six in any one location.	230.71, 230.72	
	16.	Check ratings of service disconnecting means.	110.24, 230.79, 230.80	
	17.	Check for equipment connected to the supply side of the service disconnecting means and overcurrent protection.	230.82, 230.94	
	18.	Verify that ground-fault protection is supplied where required, and obtain a written record of performance testing.	230.95	

Services, Feeders, and Branch Circuits

Checklist 4-2: Feeders				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that feeder conductors, including any required neutral conductors, are adequate for the load.	215.2, 220.40, 220.61, 215.5	
	2.	Check overcurrent device and feeder conductor sizing for continuous and noncontinuous loads.	220.61, 215.2, 215.3	
	3.	Check wiring methods for suitability.	NEC Chapter 3	
	4.	Check feeders with disconnecting means rated at 1000 amperes or greater for ground-fault protection for equipment if required.	215.10, 230.95	
	5.	Verify that disconnects are provided at separate structures for feeders running between structures.	Article 225, Part II, 225.32	
	6.	Verify that disconnects at separate structures are properly rated, located, grouped, and identified.	Article 225, Part II	
	7.	Verify that any outside feeders use appropriate wiring methods and are properly supported and arranged to drain.	225.10, 225.20 through 225.22	
	8.	Check any outside feeders for adequate supports, clearances, and mechanical protection.	225.15 through 225.20	
	9.	Verify that feeders supplied from transformers or from other feeders are properly protected by overcurrent devices.	240.4(E) and (F), 240.21(B) and (C)	
	10.	Check panelboards supplying or supplied by feeders for overcurrent protection, grounding, and proper enclosures.	408.36 through 408.40	
	11.	Verify that an identification scheme for ungrounded feeder conductors has been established and made readily available or posted where the premises wiring system has feeders that are supplied by more than one nominal voltage system.	215.12(C)	

Services, Feeders, and Branch Circuits

Checklist 4-3: Branch Circuits				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that wiring methods used are appropriate for the conditions and occupancy.	NEC Chapter 3	
	2.	Check panelboards for proper overcurrent protection.	408.36 through 408.40	
	3.	Check individual and multioutlet branch circuits for proper ratings.	210.3	
	4.	Check conductors and overcurrent protection for consideration of continuous and noncontinuous loads, multioutlet loads, and minimum ampacity and size.	210.19, 210.20, Article 220, 310.15	
	5.	Check branch circuits supplying receptacles and other outlet devices for permitted ratings of circuits and receptacles.	210.21, 210.24	
	6.	Verify that branch-circuit loads do not exceed maximum permitted loads.	201.22, 210.23, 220.10 through 220.14, 220.18	
	7.	Verify that branch circuits supplying motors are sized according to Article 430 or 440 and that inductive lighting loads are based on ballast ratings.	220.14(C), 220.18	
	8.	Verify that branch circuits are used to supply only permissible loads based on their ratings.	201.22, 210.23	
	9.	Verify that the number of branch circuits is adequate and that the load is evenly proportioned among the branch circuits.	210.11, 220.12	
	10.	Check for compliance with branch-circuit voltage limitations.	210.6	
	11.	Verify that branch circuits for specific loads meet the requirements of the applicable articles.	210.2, 422.12, 422.13, 424.3, 424.22	
	12.	Check for proper use and identification of multiwire branch circuits.	210.4	
	13.	Check for required receptacles and lighting at mechanical equipment and service equipment.	210.63, 210.64, 210.70(A)(3), 210.70(C)	
	14.	Check for required outlets or receptacles for show windows and signs.	210.62, 220.14(G), 600.5(A), 220.14(F)	

Services, Feeders, and Branch Circuits

Checklist 4-3: Branch Circuits (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	15.	Verify that receptacles are provided for all cord-and-plug-connected appliances and where other flexible cords are used.	210.50, 400.7, 400.8	
	16.	Verify that GFCI protection is provided for receptacles in bathrooms, in kitchens, near sinks, outdoors, on rooftops, in indoor wet areas, in locker rooms with showers, and in garages.	210.8(B)	
	17.	Verify that disconnects are provided at separate structures for branch circuits running between structures.	Article 225, Part II	
	18.	Check for adequate size and clearances for outside branch circuits.	225.6, 225.18, 225.19	
	19.	Verify that an identification scheme for ungrounded branch-circuit conductors has been established and made readily available or posted where the premises wiring system has branch circuits that are supplied by more than one nominal voltage system.	210.5(C)	

ELECTRICAL INSPECTION CHECKLIST

Grounding and Bonding

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 5-1: Service Grounding and Bonding

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Determine what grounding electrodes are present on the premises.	250.50, 250.52(A)(1) through (7)	
	2.	Determine which other electrodes are required or used.	250.52(A)(4) through (8)	
	3.	Verify that the grounding electrode conductor or conductors and bonding jumpers are properly sized.	250.66, 250.64(F), 250.53(C)	
	4.	Verify that the grounding electrode conductors are protected and secured.	250.64(A) and (B)	
	5.	Verify that grounding electrode conductor enclosures are properly bonded.	250.64(E)	
	6.	Verify that the grounding electrode conductor is either unspliced or spliced using appropriate methods.	250.64(C), 250.64(F)	
	7.	Check for correct size and installation of any rod, pipe, or plate electrodes.	250.52, 250.53(A), (B), and (G)	

Grounding and Bonding

Checklist 5-1: Service Grounding and Bonding (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	8.	Verify the accessibility of grounding electrode conductor connections.	250.68(A)	
	9.	Check for proper grounding electrode conductor connections, including buried connections.	250.70	
	10.	Verify that metal water pipe installed in or attached to a structure is bonded.	250.104(A)	
	11.	Verify that exposed structural building frames are bonded.	250.104(C)	
	12.	Check for proper size and length of bonding jumpers around water meters and the like.	250.66, 250.68(B), 250.52(A)(1)	
	13.	Check the size, type, and installation of the main bonding jumper.	250.24(B), 250.28	
	14.	Verify that service raceways and enclosures are correctly bonded.	250.92(A), 250.92(B), 250.102	
	15.	Check the size of service-equipment supply-side bonding jumpers.	250.102(C)	
	16.	Verify that the grounded service conductor size is adequate.	220.61, 250.24(C)	
	17.	Check separately derived systems for proper grounding electrodes, grounding electrode conductors, and system bonding jumpers.	250.30(A)	
	18.	Verify that water pipe and structural metal building frames in the area served by each separately derived system are bonded.	250.104(D)(1), 250.104(D)(2)	
	19.	Verify that an intersystem bonding termination has been provided.	250.94	
	20.	Verify that where a wire-type EGC is also used as a grounding electrode conductor, it meets all applicable requirements for both grounding electrode conductors and EGCs.	250.121 Exception	

Grounding and Bonding

Checklist 5-2: Equipment Grounding and Bonding

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Identify equipment that is required to be grounded.	250.110, 250.112, 250.114, 250.116	
	2.	Verify appropriate grounding methods for equipment fastened in place or connected by permanent wiring methods.	250.134, 250.136	
	3.	Verify appropriate types of EGCs.	250.118	
	4.	Check separate EGCs for proper sizing and identification.	250.122, 250.119	
	5.	Check connections of EGCs within outlet boxes.	250.146, 250.148, 250.8	
	6.	Verify that proper methods are used to bond receptacles to boxes.	250.146, 250.8	
	7.	Check installation of equipment bonding jumpers, especially where flexible connections or cords are used.	250.96, 250.102, 250.118, 314.22, 350.60, 348.60	
	8.	Verify grounding of panelboard enclosures and connections of EGCs to panelboard metallic enclosures.	408.40	
	9.	Verify proper grounding at separate buildings or structures.	250.32	
	10.	Check equipment grounding of electric ranges and clothes dryers.	250.140, 250.142	
	11.	Verify bonding of equipment operating at over 250 volts to ground.	250.97	
	12.	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), 406.3(D), 408.40, Exception	
	13.	Check for occupancies or equipment with special grounding or bonding requirements.	250.3	

ELECTRICAL INSPECTION CHECKLIST

Dwelling Units and Mobile/Manufactured Home Sites

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 6-1: Residential Rough Inspection: General Requirements (All Areas)

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check wiring methods (usually cable assemblies) for support and suitability for the conditions.	NEC Chapters 3, 7, and 8, Art 334, 314.17	
	2.	Check cable installation through or parallel to framing members and furring strips for 1¼-in. (32-mm) clearance or protective steel plates.	300.4	
	3.	Check boxes for suitability for the use.	314.15, 314.27	
	4.	Verify that boxes are installed in accessible locations for all junctions and outlets and pull points.	300.15, 314.29	
	5.	Check that cables are secured to boxes.	314.17(B) and (C)	
	6.	Check boxes for conductor fill.	314.16	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-1: Residential Rough Inspection: General Requirements (All Areas) (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	7.	Check positioning of boxes that are intended to be flush with combustible and noncombustible finished surfaces.	314.20	
	8.	Check for splicing devices on all equipment grounding conductors within boxes and bonding connections to metal boxes.	250.8, 250.86, 250.146, 250.148	
	9.	Check equipment grounding conductors for suitability and size.	250.118, 250.122	
	10.	Check boxes used in floors or for support of ceiling fans for listing.	314.27(B) and (C)	
	11.	Check recessed luminaires for clearances from combustibles and insulation.	410.116(A)(1), 410.116(B)	
	12.	Check cables installed in contact with thermal insulation or without maintaining spacing (fire- or draft-stopped, etc.), for possible adjustment factors.	334.80, 310.15(B)(2) (a)	
	13.	Check wall switch locations for the presence of grounded conductors.	404.2(C)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-2: Residential Rough Inspection: Kitchen

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check spacing of receptacles for walls and countertops, including islands and peninsulas.	210.52(A) and (C)	
	2.	Verify that a minimum of two 20-ampere small-appliance branch circuits are used for kitchen receptacles.	210.11(C)(1), 210.52(B)	
	3.	Verify that a wall-switched lighting outlet is provided and wired on a general lighting circuit.	210.70(A), 210.52(B)(2)	
	4.	Verify that properly sized circuits have been provided for specific kitchen appliances, such as dishwashers, disposals, ranges, cooktops, trash compactors, and the like.	210.23, 422.10	
	5.	Check for additional small-appliance branch circuits where there is more than one kitchen.	210.52(B)(3)	
	6.	Check for other outlets or appliances on small-appliance branch circuits.	210.52(B)(2)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-3: Residential Rough Inspection: Dining Room

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

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-4: Residential Rough Inspection: Bathrooms

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that receptacle outlets are installed adjacent to and within 36 in. (900 mm) of each basin.	210.52(D)	
	2.	Verify that receptacles are supplied by dedicated 20-ampere branch circuits.	210.11(C)(3), 210.23(A)(2)	
	3.	Check for a wall switch-controlled lighting outlet on a general lighting circuit.	210.70(A)(1)	

**Checklist 6-5: Residential Rough Inspection: Other Habitable Rooms
(Bedrooms, Family Rooms, Parlors, and Dens)**

	Item	Inspection Activity	NEC Reference	Comments
	1.	Check receptacle outlets for proper spacing.	210.52(A)	
	2.	Check for wall switch-controlled lighting outlets (including switched receptacles).	210.70(A)(1)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-6: Residential Rough Inspection: Hallways and Foyers

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check for at least one wall switch-controlled (or automatic-, remote-, or centrally controlled) lighting outlet.	210.70(A)(2)	
	2.	Verify that hallways that are continuous for 10 ft (3.0 m) or more have at least one receptacle outlet.	210.52(H)	
	3.	Verify that foyers that are not part of a hallway have receptacle outlets installed as required.	210.52(I)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-7: Residential Rough Inspection: Stairways

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check for at least one wall switch-controlled (or automatic-, remote-, or centrally controlled) lighting outlet.	210.70(A)(2)	
	2.	Verify that wall switches are provided at each floor level where there are six or more steps between levels.	210.70(A)(2)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-8: Residential Rough Inspection: Closets

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check clearances between luminaires and storage spaces if luminaires are to be installed.	410.16	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-9: Residential Rough Inspection: Laundry Area

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

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-10: Residential Rough Inspection: Basements and Attics				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that at least one receptacle outlet is provided in unfinished basement areas in addition to any receptacles installed for laundry equipment or other specific equipment.	210.52(G)	
	2.	Verify that a receptacle outlet is provided for servicing mechanical equipment, if any.	210.63, 210.64	
	3.	Verify that individual branch circuits are supplied for central heating equipment, if any.	422.12	
	4.	Verify that a wall switch-controlled lighting outlet or a lighting outlet containing a switch is provided at the entrance to areas for storage or equipment requiring servicing.	210.70(A)(3)	
	5.	Check basements, accessible attics, attic entrances, and scuttle holes for clearances from or protection of cable assemblies.	320.23, 330.23, 334.23, 334.15, 320.15	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-11: Residential Rough Inspection: Attached Garages and Detached Garages or Accessory Buildings with Electric Power

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that at least one receptacle outlet is provided. Verify that if installed, branch circuit(s) supplying outlets for electric vehicle supply equipment (EVSE) do not supply any other loads.	210.52(G), 210.17	
	2.	Verify that a wall switch-controlled lighting outlet is provided.	210.70(A)(2)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-12: Residential Rough Inspection: Outdoors

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check for at least two receptacle outlets, one each at the front and back of a dwelling.	210.52(E), 210.63	
	2.	Check for receptacle outlets on balconies, decks, and porches.	210.52(E)(3)	
	3.	Check for wall switch-controlled (or remote-, central-, or automatic-controlled) exterior lighting outlets at outdoor entrances or exits with grade-level access.	210.70(A)(2)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-13: Residential Rough Inspection: Services and Feeders and System Grounding

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review the calculation of service load and determine the minimum size of service conductors.	Article 220, 230.42(B), 230.79	
	2.	Verify that service disconnects and overcurrent devices are located outside or inside nearest the point of entrance of the service conductors.	230.70(A)(1), 230.91	
	3.	Verify that service disconnects are grouped together, with no more than six in any one location.	230.71, 230.72, 408.36 Exc. No. 1	
	4.	Check for proper accessibility, working clearances, and dedicated spaces around service equipment.	110.26, 230.70(A)(1), 230.91, 240.24	
	5.	Check service-entrance wiring methods for suitability, support, and protection from damage.	230.32, 230.43, 230.50, 230.51	
	6.	Check for a proper drip loop and weatherhead on overhead services.	230.54	
	7.	Verify that the point of attachment for overhead service is adequate and will provide required support and clearances above roofs and grade.	230.24, 230.26, 230.54(C), 230.28(B)	
	8.	Check service masts for adequate strength and support.	230.28, 225.17	
	9.	Check for proper clearances of service conductors from building openings.	230.9(C)	
	10.	Check underground service conductors for proper depth, fill, protection, marking, and allowances for ground movement.	300.5, 230.32	
	11.	Determine which grounding electrodes are available, and verify that they are bonded together to form a grounding electrode system.	250.50, 250.52	
	12.	Check any rod, pipe, plate, or other listed electrodes for proper size, type, and installation.	250.52, 250.53	
	13.	Verify that grounding electrode conductors are unspliced and protected and that any ferrous metal enclosures are bonded and electrically continuous.	250.64	
	14.	Check grounding electrode conductor(s) and bonding jumpers for proper sizing.	250.66, 250.64(F)	

**Checklist 6-13: Residential Rough Inspection:
Services and Feeders and System Grounding (cont.)**

✓	Item	Inspection Activity	NEC Reference	Comments
	15.	Check grounding electrode connections for proper type, protection, and accessibility.	250.8, 250.10, 250.68, 250.70	
	16.	Verify that the main bonding jumper is installed and is of the proper size and type.	250.24(B), 250.28	
	17.	Verify that metal interior piping systems are bonded, that bonding jumpers are properly sized, and that continuity around removable devices is assured.	250.104(A), 250.68(B)	
	18.	Verify that service raceways and enclosures are properly grounded and bonded.	250.80, 250.92, 250.94	
	19.	Verify that an intersystem bonding termination has been provided.	250.94	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-14: Residential Rough Inspection: Feeders and Panelboards				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review the calculation of feeder loads, and verify that conductors are properly sized and rated.	Article 220, 310.15, 215.2	
	2.	Verify that panelboards have proper ratings and protection.	Article 220, 408.30, 408.36	
	3.	Check for proper accessibility, working clearances, and dedicated spaces around panelboards.	110.26, 240.24	
	4.	Verify that at least the minimum number of overcurrent devices and circuits has been provided.	210.11	
	5.	Verify that the grounded feeder conductors are insulated and isolated from equipment grounding conductors and grounded enclosures.	250.24(A)(5), 250.142(B), 310.2	
	6.	Verify that panelboards are grounded by an appropriate and properly sized equipment grounding conductor (or conductors).	408.40, 215.6, 250.118, 250.122	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-15: Residential Finish Inspection: General Requirements (All Areas)				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check for correction of any deficiencies noted on previous inspections.		
	2.	Check positioning of boxes intended to be flush with combustible and noncombustible finished surfaces.	314.20	
	3.	Check for proper positioning of receptacles and faceplates on walls.	406.5, 406.6	
	4.	Check for gaps around outlet boxes in walls.	314.21	
	5.	Verify that conductor terminations and splicing methods are compatible with conductor materials.	110.14, 404.14(C), 406.3(C)	
	6.	Verify that receptacles are bonded to metal boxes and that receptacles, switches, and metal faceplates are grounded.	250.146, 250.148, 404.9(B), 406.6(B)	
	7.	Check polarity of devices and luminaires.	200.10, 200.11, 406.10, 410.50	
	8.	Check all luminaires and lampholders for listing.	410.6	
	9.	Check for splicing devices on all equipment grounding conductors within boxes and for bonding connections to metal boxes.	250.8, 250.86, 250.148	
	10.	Verify that device ratings are compatible with circuit and equipment ratings.	210.21, 210.24	
	11.	Check for proper use of connectors and fittings and for protection of cables.	300.15	
	12.	Check for bushings or equivalent protection for cables entering boxes and other enclosures.	300.4(F), 314.17, 314.42	
	13.	Verify that unused openings in boxes and other enclosures are closed.	110.12(A), 314.17(A), 312.5(A)	
	14.	Verify that appliances, motors, and other equipment are grounded.	250.110, 250.112, 250.114	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-15: Residential Finish Inspection: General Requirements (All Areas) (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	15.	Check burial depth of underground raceways and cables for minimum cover.	300.5	
	16.	Check installation of listed equipment for compliance with manufacturer's instructions.	110.3(B)	
	17.	Verify that fire rating of building assemblies has been restored at electrical penetrations.	300.21	
	18.	Check for disconnecting means on both permanently connected and cord-and-plug-connected appliances.	Article 422, Part III	
	19.	Verify that circuits for mechanical equipment have correct conductor size and overcurrent protection.	Articles 422, 424, 430, and 440	
	20.	Check for AFCI protection on all 120-volt, 15- and 20-ampere branch circuits serving outlets in most areas and that AFCI devices are readily accessible.	210.12	
	21.	Check for tamper-resistant receptacles in all areas where 25-volt, 15- and 20-ampere receptacle outlets are required.	210.52, 406.12	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-16: Residential Finish Inspection: Kitchen

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check spacing of receptacles for walls and countertops, including islands and peninsulas.	210.52(A) and (C)	
	2.	Verify that a minimum of two 20-ampere small-appliance branch circuits are used for kitchen receptacles.	210.11(C)(1), 210.52(B)	
	3.	Verify that small-appliance branch circuits are used only for receptacles in kitchen, dining room, pantry, and so forth.	210.52(B)(2)	
	4.	Verify that all 125-volt, 15- and 20-ampere receptacles serving countertops, all receptacles within 6 ft (1.8 m) of a kitchen sink, and outlets for dishwashers are provided with GFCI protection. Verify that GFCI protection devices are readily accessible.	210.8(A), 210.8(A)(6), 210.8(A)(7), 210.8(D)	
	5.	Verify that refrigeration equipment is supplied by a small-appliance branch circuit or an individual branch circuit.	210.52(B)(1), Exc. No. 2	
	6.	Verify that a wall-switched lighting outlet is provided and wired on a general lighting circuit.	210.70(A), 210.52(B)(2)	
	7.	Verify that properly sized circuits are provided for specific kitchen appliances, such as dishwashers, disposals, ranges (cooktops), trash compactors, and the like.	210.23, 422.10	
	8.	Check for proper type, length, and use of flexible cords for appliance connections.	422.16, Table 400.4	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-17: Residential Finish Inspection: Dining Room

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

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-18: Residential Finish Inspection: Bathrooms

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that receptacle outlets are installed adjacent to and within 36 in. (900 mm) of each basin.	210.52(D)	
	2.	Verify that receptacles are supplied by dedicated 20-ampere branch circuits.	210.11(C)(3)	
	3.	Verify that bathroom receptacles are GFCI-protected and the GFCI device is readily accessible	210.8(A), 210.8(A)(1)	
	4.	Check for a wall switch-controlled lighting outlet on a general lighting circuit.	210.70(A)(1)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-19: Residential Finish Inspection: Other Habitable Rooms (Bedrooms, Family Rooms, Parlors, and Dens)

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check receptacle outlets for proper spacing.	210.52(A)	
	2.	Check for wall switch-controlled lighting outlets (including switched receptacles).	210.70	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-20: Residential Finish Inspection: Hallways and Foyers

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check for at least one wall switch-controlled (or automatic-, remote-, or centrally controlled) lighting outlet.	210.70(A)(2)	
	2.	Verify that hallways that are continuous for 10 ft (3.0 m) or more have at least one receptacle outlet.	210.52(H)	
	3.	Verify that foyers over 60 ft ² (5.6 m ²) have receptacles installed as required.	210.52(I)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-21: Residential Finish Inspection: Stairways

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check for at least one wall switch-controlled (or automatic-, remote-, or centrally controlled) lighting outlet.	210.70(A)(2)	
	2.	Verify that wall switches are provided at each floor level where there are six or more steps.	210.70(A)(2)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-22: Residential Finish Inspection: Closets

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check clearances between luminaires and storage spaces if luminaires are installed.	410.16	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-23: Residential Finish Inspection: Laundry Area

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that at least one receptacle outlet is installed for the laundry.	210.52(F)	
	2.	Verify that a dedicated 20-ampere circuit supplies the laundry outlet(s) and no other outlets.	210.11(C)(2)	
	3.	Check for a laundry receptacle outlet within 6 ft (1.8 m) of the intended appliance location.	210.50(C)	
	4.	Check for proper receptacle ratings based on branch-circuit ratings, including receptacles for electric dryers (if used).	210.21, 210.24, 250.140	
	5.	Verify that lighting outlets for the laundry area are supplied from general lighting circuits.	210.11(C)(2)	
	6.	Verify GFCI protection for all 125-volt, 15- and 20-ampere receptacles installed in laundry areas and that the GFCI protection device(s) is readily accessible.	210.8(A) 210.8(A)(10)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-24: Residential Finish Inspection: Basements and Attics				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that at least one receptacle outlet is provided in unfinished basement areas in addition to any receptacles installed for specific equipment.	210.52(G)	
	2.	Verify that a receptacle outlet is provided for servicing mechanical equipment, if any.	210.63	
	3.	Verify that GFCI protection is provided for receptacles in unfinished portions of basements and that the GFCI protection device is readily accessible.	210.8(A) 210.8(A)(5)	
	4.	Verify that individual branch circuits are supplied for central heating equipment, if any.	422.12	
	5.	Verify that a wall switch-controlled lighting outlet or a lighting outlet containing a switch is provided at the entrance to equipment requiring servicing.	210.70(A)(3)	
	6.	Check basements, accessible attics, attic entrances, and scuttle holes for clearances from or protection of cable assemblies.	320.23, 330.23, 334.23, 334.15, 320.15	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-25: Residential Finish Inspection: Garages (Attached or with Electric Power)

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that at least one receptacle outlet is provided and that the circuit supplying the receptacle outlet(s) does not supply outlets outside of the garage.	210.52(G)(1)	
	2.	Verify that GFCI protection is provided for all 125-volt, 15- and 20-ampere receptacles and that GFCI protection device(s) is readily accessible.	210.8(A)(2)	
	3.	Verify that a wall switch-controlled lighting outlet is provided.	210.70(A)(2)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-26: Residential Finish Inspection: Outdoors

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check for at least two receptacle outlets, one each at front and back of dwelling.	210.52(E), 210.63	
	2.	Verify that outdoor receptacles are GFCI-protected unless they are not readily accessible and are supplied by circuits for deicing or snow-melting equipment. Verify that GFCI protection device(s) is readily accessible.	210.8(A)(3)	
	3.	Check for wall switch-controlled (or remote-, central-, or automatic-controlled) exterior lighting outlets at outdoor entrances or exits with grade-level access.	210.70(A)(2)	
	4.	Check for boxes at exterior luminaire locations.	300.15, 314.27(A)	
	5.	Check for GFCI-protected receptacle outlets on balconies, decks, and porches.	210.52(E)(3), 210.8(A)(3)	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-27: Residential Finish Inspection: Service Equipment, Feeders, and Panelboards				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review bonding and grounding if not completed during previous inspections.	Article 250	
	2.	Check overcurrent devices for compatibility with conductors (terminals, ratings, and ampacities).	240.4, 110.14(C), 210.20, 215.3, 230.42, 310.15	
	3.	Check for proper identification of all overcurrent devices and disconnects.	110.22, 230.70(B), 408.4	
	4.	Check for open spaces in panelboard fronts or cabinets.	110.12, 408.7	
	5.	Verify that doorbell and other Class 2 wiring and transformers are located in appropriate places (not in service equipment or panelboards).	312.8, 725.133	
	6.	Verify that any backfed overcurrent devices are secured in place.	408.36(D)	
	7.	Check for an intersystem grounding termination at the service equipment.	250.94	

Dwelling Units and Mobile/Manufactured Home Sites

Checklist 6-28: Residential Finish Inspection: Mobile/Manufactured Homes

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Determine whether the unit is a mobile or manufactured home.	550.2	
	2.	Verify that the mobile/manufactured home supply system is rated 120/240 volts nominal, single-phase.	550.30, 550.32(C)	
	3.	Review the mobile/manufactured home park load calculations, and verify that demand factors, if used, have been properly applied.	550.31	
	4.	Verify that mobile/manufactured home service is rated not less than 100 amperes.	550.32(C)	
	5.	Verify location and minimum mounting height of mobile/manufactured home service equipment.	550.32(A), (B), and (F)	
	6.	Check for proper grounding of mobile/manufactured home service equipment.	Article 250, 250.32, 550.16, 550.32, 550.33	
	7.	Verify that a means to supply other structures or electrical equipment has been provided within the mobile/manufactured home service equipment.	550.32(D)	
	8.	Check for GFCI protection on all 125-volt, 15- and 20-ampere receptacles that are installed in addition to receptacles installed as part of the permanent mobile or manufactured home wiring. Verify that GFCI protection device(s) for "field-installed" receptacles is readily accessible.	210.8(A) 550.32(E)	
	9.	Verify that the feeder to the mobile/manufactured home has four insulated color-coded conductors.	550.33(A)	
	10.	Verify that feeders installed at mobile/manufactured home lots have a minimum capacity of 100 amperes at 120/240 volts.	550.33(B)	
	11.	Verify that new electrical installations that are added to existing mobile/manufactured homes comply with applicable requirements of Article 550.	Article 550	

ELECTRICAL INSPECTION CHECKLIST

Commercial and Industrial Inspections

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 7-1: Motors

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that ampacities and sizing of components other than overload devices are based on table values rather than on nameplate values.	430.6, 430.122, Tables 430.247 through 430.250	
	2.	Verify that conductor ampacities for individual motors are at least 125 percent of table FLC.	430.22(A), 430.122	
	3.	Check conductors supplying multiple motors or motors and other loads for ampacities equal to at least the sum of other motors or loads plus 125 percent of largest motor.	430.24, 220.14(C), 220.50	
	4.	Verify that motor overload protection does not exceed permitted values.	430.31 through 430.44, 430.126	
	5.	Verify that short-circuit and ground-fault protection for motor branch circuits does not exceed permitted values.	430.51 through 430.58 430.130 430.131	
	6.	Verify that short-circuit and ground-fault protection for motor feeders does not exceed permitted values.	430.61 through 430.63	

Commercial and Industrial Inspections

Checklist 7-1: Motors (cont.)				
✓	Item	Inspection Activity	NEC Reference	Comments
	7.	Check motor control circuits for proper overcurrent protection.	430.71 through 430.74	
	8.	Verify that motor controllers are provided for motors and that they are of the proper type and have adequate ratings, including short-circuit current ratings.	430.8 and 430.81 through 430.90	
	9.	Check MCCs for proper ratings, protection, workspace, and dedicated space.	110.26, 430.92 through 430.98	
	10.	Verify that motor disconnects are of the proper type and rating.	430.109, 430.110	
	11.	Verify that controller disconnects are in sight of controllers, are readily accessible, and have adequate workspace.	110.26, 430.102(A), 430.107, 404.8	
	12.	Verify that motor disconnects are in sight of motors, are readily accessible, and have adequate workspace.	110.26, 430.102(B), 430.107	

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Checklist 7-2: Air-Conditioning and Refrigerating Equipment

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Identify equipment subject to Article 440—Equipment Containing Hermetic Refrigerant Motor-Compressor(s).	440.1, 440.2	
	2.	Identify the applicable nameplate information for the equipment.	440.4	
	3.	Verify that branch-circuit conductor sizes are adequate on the basis of the applicable nameplate information.	440.31 through 440.35	
	4.	Verify that conductors supplying several units are adequately sized.	430.24, 430.25	
	5.	Verify that branch-circuit overload protection is provided and properly sized.	440.51 through 440.55	
	6.	Verify that branch-circuit short-circuit and ground-fault protection is provided and properly sized.	440.21, 440.22	
	7.	Verify that feeder short-circuit and ground-fault protection is provided and properly sized where applicable.	430.61 through 430.63	
	8.	Verify that controllers have adequate ratings, including short-circuit current ratings, where they are not part of listed multimotor or combination-load equipment.	440.4(B), 440.41	
	9.	Verify that disconnecting means have ratings adequate for the equipment.	440.12, 440.13	
	10.	Verify that the disconnecting means are within sight and readily accessible from the equipment and that working spaces are adequate.	110.26, 440.14	
	11.	Verify that conductors, receptacles, cords, and overcurrent devices for room air conditioners are properly sized and that LCDI devices or AFCI protection is provided for cords.	440.60 through 440.65	
	12.	Check for receptacles and adequate lighting for servicing of mechanical equipment.	210.8, 210.63, 210.70	

Commercial and Industrial Inspections

Checklist 7-3: Transformers

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Identify transformers that are covered by Article 450.	450.1, 450.2	
	2.	Verify that overcurrent protection for transformers over 1000 volts is provided and properly sized.	Table 450.3(A)	
	3.	Verify that overcurrent protection for transformers 1000 volts or less is provided and properly sized.	Table 450.3(B)	
	4.	Verify that overcurrent protection is provided for transformer primary conductors.	240.4, 240.21(B), 240.100	
	5.	Verify that overcurrent protection is provided for transformer secondary conductors.	240.4, 240.21(C), 240.100	
	6.	Check transformer installations for adequate ventilation and spacing from walls and obstructions.	450.9, 450.10(A)	
	7.	Check transformers for ready access or proper installation in the open or in hollow spaces.	450.13	
	8.	Verify that transformers are supplied with a disconnecting means.	450.14	
	9.	Check indoor dry-type transformers for separation from combustibles or, based on ratings, installation in fire-resistant rooms or vaults.	450.21	
	10.	Check outdoor dry-type transformers for weatherproof enclosures.	450.22	
	11.	Verify that liquid-insulated transformers are installed in accordance with the requirements for the location and type of insulating liquid.	450.23 through 450.28	
	12.	Check transformer vaults for adequate construction, access, ventilation, and drainage and for foreign systems in vaults.	450.41 through 450.48	

Commercial and Industrial Inspections

Checklist 7-4: Capacitors

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check capacitors for proper enclosures and guards.	460.2	
	2.	Verify that conductors are properly sized on the basis of the current rating of the capacitor(s).	460.8(A)	
	3.	Verify that capacitors other than those connected to the load side of motor overload devices have disconnects and proper overcurrent protection.	460.8(B) and (C)	
	4.	Verify that overload device ratings have been corrected where capacitors are connected to the load side of motor overload devices.	460.9	
	5.	Check capacitors over 1000 volts for proper switching, overcurrent protection, identification, and grounding.	460.24 through 460.27	
	6.	Verify that a proper means for discharge has been provided for capacitors.	460.6, 460.28	

Commercial and Industrial Inspections

Checklist 7-5: Elevators, Dumbwaiters, Escalators, Platform Lifts, and Stairway Chairlifts

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify voltage limitations and presence of warning labels where voltage exceeds 600 volts.	620.3	
	2.	Verify that all live parts are enclosed.	620.4	
	3.	Verify required working clearances around elevator electrical equipment.	620.5	
	4.	Check conductors for proper insulation type and minimum size.	620.11, 620.12	
	5.	Verify ampacity of branch-circuit and feeder conductors.	620.13	
	6.	Verify proper wiring methods.	620.21	
	7.	Verify the required branch circuits for car lighting, receptacle(s), ventilation, and air conditioning.	620.22, 620.85	
	8.	Verify the required branch circuit for machine-room lighting and receptacle.	620.23, 620.85	
	9.	Verify the required branch circuit for hoistway pit lighting and receptacle.	620.24 , 620.85	
	10.	Check for required receptacle and light switch provisions in machine rooms and pits.	620.23, 620.24	
	11.	Verify that only elevator-associated wiring is installed in hoistways and machine rooms.	620.37	
	12.	Check elevator machine disconnecting means for proper type, operation, and location.	620.51	
	13.	Verify disconnecting means for car lighting, receptacles, and ventilation.	620.53	
	14.	Verify disconnecting means for car heating and air conditioning.	620.54	

Commercial and Industrial Inspections

Checklist 7-5: Elevators, Dumbwaiters, Escalators, Platform Lifts, and Stairway Chairlifts (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	15.	Check overcurrent protection for proper rating and coordination.	620.61, 620.62	
	16.	Verify that only permitted equipment is located in machine rooms.	620.71	
	17.	Verify GFCI receptacles on car tops and pits and GFCI protection for receptacles in machine rooms.	620.85	
	18.	Check operation of elevator machine disconnecting means where emergency or standby power is provided.	620.91	

Commercial and Industrial Inspections

Checklist 7-6: Electric-Vehicle-Charging Equipment

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that all associated equipment, materials, devices, and fittings are listed.	625.5	
	2.	Check the suitability of the electric vehicle coupler.	625.10	
	3.	Verify that coupler and cable safeguards have been provided.	625.18, 625.19	
	4.	Verify the rating of branch-circuit and feeder overcurrent devices.	625.40, 625.41	
	5.	Verify that a personnel protection system has been provided.	625.22	
	6.	Check the location of disconnecting means rated over 60 amperes or 150 volts to ground.	625.42	
	7.	Verify that backfeed prevention provisions have been provided.	625.46, 625.48	
	8.	Check the location and height of indoor and outdoor charging equipment.	625.50	
	9.	Verify the necessity for and amount of ventilation for indoor charging locations.	625.15, 625.52	

Commercial and Industrial Inspections

Checklist 7-7: Signs and Outline Lighting

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check each commercial building and occupancy for sign outlets on dedicated circuits.	600.5, 210.62	
	2.	Check signs, section signs, and outline lighting for listing and marking.	600.3, 600.4	
	3.	Check branch circuits supplying signs for permissible ratings.	600.5(B), 600.10	
	4.	Verify that an external disconnect is provided and within sight of each part of a sign or equipped with locking means.	600.6	
	5.	Verify that metal parts of signs and outline lighting are bonded together and connected to a properly sized equipment grounding conductor.	600.7	
	6.	Verify that live parts are enclosed.	600.8	
	7.	Check locations of signs for protection from damage, spacing from combustible materials, and provisions for drainage if in wet locations.	600.9	
	8.	Check location and verify accessibility of power supplies, ballasts, and transformers.	600.21	
	9.	Check markings and listings of power supplies and ballasts.	600.22, 600.23, 600.24	
	10.	Check secondary wiring for LED signs.	600.33	

Commercial and Industrial Inspections

Checklist 7-8: Field-Installed Skeleton Tubing (Neon) and Wiring

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check wiring methods of neon secondary circuits of 1000 volts or less.	600.31	
	2.	Check wiring methods of neon secondary circuits over 1000 volts.	600.32(A)	
	3.	Check neon secondary circuits over 1000 volts for appropriate installation techniques for conductors.	600.32(B) through (K)	
	4.	Verify that neon tubing has adequate support, spacing, and protection.	600.41	
	5.	Check electrode connections for locations and suitability.	600.42	

ELECTRICAL INSPECTION CHECKLIST

Hazardous Locations

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 8-1: Class I Locations

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Confirm the classification of areas, including class, division or zone, and group.	500.4(A), 500.5, 500.6	
	2.	Verify the suitability of the wiring methods being used.	501.10	
	3.	Verify that seals are located as required, properly installed, and sealed.	501.15	
	4.	Check materials used for flexible connections, such as explosionproof flex and flexible cords, for suitability.	501.10(A)(2), 501.10(B)(2), 501.140	
	5.	Check flexible cord connectors and receptacles for suitability.	501.140, 501.145	
	6.	Verify that equipment temperature markings are not greater than the ignition temperature of the gases or vapors involved.	500.8(B) and (C)	

Hazardous Locations

Checklist 8-1: Class I Locations (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	7.	Check equipment such as motors, transformers, overcurrent devices, switches and controllers, luminaires, heaters, and appliances for proper ratings and enclosures.	500.8, 501.100 through 501.135	
	8.	Check for adequate grounding and bonding paths to the disconnecting means of the building or separately derived system.	501.30, 250.92, 250.100	
	9.	Check multiwire branch circuits in the classified area for simultaneous disconnection of all ungrounded conductors.	210.4(B)	

Hazardous Locations

Checklist 8-2: Class II Locations				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Confirm the classification of areas, including class, division, and group.	500.4(A), 500.5, 500.6	
	2.	Verify the suitability of the wiring methods being used.	502.10	
	3.	Verify that seals are located where required, properly installed, and sealed, unless raceway arrangements preclude the requirement for seals.	502.15	
	4.	Verify that equipment temperature markings are not greater than the ignition temperature of the dusts involved.	500.8(B), 500.8(C)(3), 500.8(D)(2), 502.5	
	5.	Check materials used for flexible connections, including flexible cords, for suitability.	502.10(A)(2) and (B)(2), 502.130(A)(3) and (B)(4), 502.140	
	6.	Check flexible cord connectors and receptacles for suitability.	502.140, 502.145	
	7.	Check equipment such as motors, transformers, overcurrent devices, switches and controllers, luminaires, heaters, and appliances for proper ratings and enclosures.	502.5, 502.100 through 502.135	
	8.	Check for adequate grounding and bonding paths to the disconnecting means of the building or separately derived system.	250.92, 250.100, 502.30	
	9.	Check multiwire branch circuits in the classified area for simultaneous disconnection of all ungrounded conductors.	210.4(B)	

Hazardous Locations

Checklist 8-3: Class III Locations				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Confirm the classification of areas, including class and division.	500.4(A), 500.5, 500.6	
	2.	Verify the suitability of the wiring methods being used.	503.10	
	3.	Check materials used for flexible connections for suitability.	503.10(A)(2), 503.10(B)	
	4.	Check flexible cord connectors and receptacles for suitability.	503.140, 503.145	
	5.	Verify that equipment operating temperatures are acceptable for the conditions.	503.5	
	6.	Check equipment such as motors, transformers, overcurrent devices, switches and controllers, luminaires, heaters, and appliances for proper ratings and enclosures.	500.8(B) and (C), 503.5, 503.100 through 503.135	
	7.	Check for adequate grounding and bonding paths to the disconnecting means of the building or separately derived system.	250.92, 250.100, 503.30	
	8.	Check installations of cranes, hoists, and battery chargers for appropriate location and installation.	503.155, 503.160	

Hazardous Locations

Checklist 8-4: Commercial Garages				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Confirm the applicability of Article 511.	511.1, 511.3	
	2.	Identify the extent and division of the Class I areas.	511.3	
	3.	Verify that suitable wiring methods are used within Class I areas.	511.4	
	4.	Verify that seals are located, installed, and sealed as required in 501.15.	511.9	
	5.	Verify that suitable wiring methods and equipment are used where installed above Class I areas.	511.7	
	6.	Verify that receptacles have GFCI protection where required.	511.12, 511.4(B)(2)	
	7.	Verify that battery chargers are not located in classified areas.	511.10(A)	
	8.	Verify that connectors for electric-vehicle-charging equipment are not located in Class I locations.	511.10(B)	

Hazardous Locations

Checklist 8-5: Aircraft Hangars				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Confirm the applicability of Article 513.	513.1	
	2.	Identify the extent and division of the Class I areas.	513.3	
	3.	Verify that suitable wiring methods are used within and below Class I areas.	513.4, 513.8	
	4.	Verify that suitable wiring methods and equipment are used in unclassified areas of the hangar.	513.7, 513.10	
	5.	Verify that equipment used on stanchions, rostrums, and docks is appropriate.	513.4(B), 513.7(E)	
	6.	Verify that seals are located, installed, and sealed in accordance with 501.15.	513.9	
	7.	Verify that battery chargers are not located within the Class I locations.	513.10(A) and (B)	
	8.	Verify that external power sources and mobile equipment are properly located and installed.	513.10(C), (D), and (E)	
	9.	Verify that receptacles have GFCI protection where required.	513.12	

Hazardous Locations

Checklist 8-6: Motor Fuel-Dispensing Facilities

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Confirm the applicability of Article 514.	514.1, 514.2	
	2.	Identify the extent and division of the Class I areas.	514.3, Table 514.3(B)(1) and (2)	
	3.	Verify that suitable wiring methods and equipment are used within and below Class I areas.	514.4, 514.8	
	4.	Verify that suitable wiring methods and equipment are used above classified areas.	511.7, 514.7	
	5.	Verify that seals are located, installed, and sealed at dispensers and in accordance with 501.15.	514.8, 514.9	
	6.	Verify that circuit and emergency disconnecting means are provided and that they disconnect all circuit conductors, including any grounded conductors.	514.11, 514.13	
	7.	Verify that means to disconnect all voltage sources, including feedback voltages, are provided.	514.11, 514.13	

Hazardous Locations

Checklist 8-7: Bulk Storage Plants

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Confirm the applicability of Article 515.	515.1	
	2.	Identify the extent and division of the Class I areas.	515.3, Table 515.3	
	3.	Verify that suitable wiring methods and equipment are used within and below Class I areas.	515.4, 515.8, 515.9	
	4.	Verify that suitable wiring methods and equipment are used above classified areas.	515.7	
	5.	Verify that seals are located, installed, and sealed in accordance with 501.15.	515.9	
	6.	Verify that dispensing areas comply with Article 514.	515.10	

Hazardous Locations

Checklist 8-8: Spray Application, Dipping, and Coating Processes

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Confirm the applicability of Article 516.	516.1	
	2.	Identify the extent and division of the Class I and Class II areas.	516.3	
	3.	Identify the extent of any areas that are unclassified due to interlocks and ventilation.	516.3(C)(2)(a), 516.3(F)	
	4.	Verify that suitable wiring methods and equipment are used within the Class I areas.	516.4	
	5.	Verify that luminaires are suitably listed for the classified areas or are located behind fixed panels and outside the classified areas.	516.4(B) and (C)	
	6.	Verify that suitable wiring methods and equipment are used above and below classified areas.	516.7	
	7.	Verify that seals are located, installed, and sealed in accordance with 501.15.	516.4(A), 516.7(A)	
	8.	Check electrostatic spraying equipment for proper installation.	516.4(E), 516.10(A) and (B)	
	9.	Check powder coating equipment for proper installation.	516.10(C)	

ELECTRICAL INSPECTION CHECKLIST

Special Occupancies

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 9-1: Health Care Facilities

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the proper classification of the areas to be inspected.	517.1, 517.2	
	2.	Verify that insulated copper conductors in metal raceways or equivalent cables are used to provide equipment grounding for branch circuits in patient care spaces and receptacles with an insulated grounding terminal (Type IG) are not used.	517.13(A) and (B), 517.16	
	3.	Check for bonding between normal and essential branch-circuit panelboards serving any single patient care space.	517.14, 517.18, 527.19(D)	
	4.	Verify that each general care space patient bed location has at least two branch circuits, one from the normal system and one from the critical branch.	517.10(B)(2), 517.18(A)	
	5.	Verify that each general space area patient bed location is provided with a minimum of eight receptacles.	517.18(B), 517.30(E)	
	6.	Check for tamper-resistant receptacles or covers in the pediatric locations of general care spaces.	517.18(B) and (C)	

Special Occupancies

Checklist 9-1: Health Care Facilities (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	7.	Verify that each critical care space patient bed location has at least two branch circuits, one from the normal system and one from the critical branch.	517.19(A), 517.30(E)	
	8.	Verify that each critical care space patient bed location has at least one receptacle supplied by a critical branch circuit dedicated to that bed location.	517.19(A)	
	9.	Verify that each critical care space patient bed location has at least 14 receptacles.	517.19(B)	
	10.	Verify that at least one receptacle in a critical care space bed location is connected to a branch circuit from a separate normal or critical branch source.	517.19(B)	
	11.	Verify that a minimum of 36 receptacles are installed in each operating room.	517.19(C)	
	12.	Verify that all patient bed location receptacles are hospital-grade and that all critical branch receptacles are identified.	517.18(B), 517.19(B)(2), 517.30(E)	
	13.	Check wet procedure locations for protection by GFCI devices or, where interruption cannot be tolerated, use of isolated power systems.	517.20, 517.21	
<i>Checklist Items 14 through 20 apply only to hospitals and ambulatory care facilities with critical care areas.</i>				
	14.	Review the essential electrical systems and verify that critical, life safety, and equipment branches are provided.	517.30(B)(1)	
	15.	Review load calculations for the essential system and verify that capacity of power sources and feeders is adequate.	517.30(D)	
	16.	Verify that the wiring of the life safety and critical branches is independent of, and separated from, other wiring and equipment.	517.30(C)(1)	
	17.	Verify that mechanical protection for critical branch wiring is provided by nonflexible metallic raceways or Type MI cable.	517.30(C)(3)	
	18.	Verify that only those loads that are intended for connection to the life safety branch are supplied by the life safety branch.	517.32	
	19.	Verify that two independent sources are provided for the essential electrical system and that the alternative source is suitable.	517.35	
	20.	Determine that the overcurrent protective devices of the life safety branch are selectively coordinated and that the overcurrent devices of the critical branch are coordinated to .01 seconds.	517.26 (700.28) 517.30(G)	

Special Occupancies

Checklist 9-1: Health Care Facilities (cont.)				
✓	Item	Inspection Activity	NEC Reference	Comments
<i>Checklist Items 21 through 25 apply only to nursing homes and limited-care facilities where life-support equipment or general anesthesia is used.</i>				
	21.	Review the essential electrical system, and verify that life safety and critical branches are provided.	517.41(A)	
	22.	Review load calculations for the essential system, and verify that capacity of power sources and feeders is adequate.	517.41(C)	
	23.	Verify that the life safety branch wiring is independent and separated from other wiring and equipment. (Separation of the critical branch is not required.)	517.41(D)	
	24.	Verify that only those loads intended for connection to the life safety branch are supplied by the life safety branch.	517.42	
	25.	Verify that two independent sources are provided for the essential electrical system and that the alternative source is suitable.	517.44	
<i>Checklist Items 26 and 27 apply only to other health care facilities, including clinics, medical and dental offices, and ambulatory health care facilities without critical care areas.</i>				
	26.	Verify that an essential electrical system is provided where required.	517.45(B) and (C)	
	27.	Verify that an alternative power source is provided that is adequate and designed specifically for the purpose.	517.45(A) and (D)	
<i>Note: Checklist items 28 through 38 could apply to any type of health care facility.</i>				
	28.	Determine whether hazardous (classified) anesthetizing locations exist in the facility.	517.60	
	29.	Verify that appropriate wiring methods and equipment are used in and above hazardous (classified) anesthetizing locations.	517.61(A) and (B)	
	30.	Verify that power circuits in flammable anesthetizing locations are isolated from other power distribution systems.	517.63(F)	
	31.	Verify that one or more battery-powered lighting units are provided in anesthetizing locations.	517.63(A)	
	32.	Verify that supply circuits to X-ray equipment are adequate and supplied through appropriate wiring methods and connections.	517.71	
	33.	Check location, capacity, and type of disconnecting means for X-ray equipment.	517.72	

Special Occupancies

Checklist 9-1: Health Care Facilities (cont.)				
✓	Item	Inspection Activity	NEC Reference	Comments
	34.	Verify that supply circuits to X-ray equipment meet minimum ampacity and overcurrent rating requirements.	517.73	
	35.	Verify that enclosures for high-voltage parts and noncurrent-carrying metal parts of X-ray equipment are grounded.	517.78	
	36.	Verify that low-voltage systems in patient care areas have insulation and isolation equivalent to power distribution systems.	517.80	
	37.	Check isolated power systems (where installed) for proper installation, features, and conductor identification.	517.160	
	38.	Verify second-level GFPE where applicable in hospitals and other health care facilities.	517.17	

Special Occupancies

Checklist 9-2: Assembly Occupancies				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Determine the applicability of Article 518.	518.1, 518.2	
	2.	Verify that wiring methods are suitable for the occupancy and fire rating of the area(s).	518.4	
	3.	Check temporary wiring for compliance with Article 590, except for GFCI requirements.	518.3(B)	
	4.	Check portable distribution equipment for adequate ratings and supply from listed power outlets.	518.5	
	5.	Check portable distribution equipment for overcurrent protection and isolation from the general public.	518.5	

Special Occupancies

Checklist 9-3: Theaters and Audience Areas of Motion Picture Studios

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Article 520.	520.1, 520.2, 520.3, 520.4	
	2.	Verify that wiring methods are suitable for the occupancy and fire rating of the area(s).	520.5	
	3.	Check for compliance with raceway fill requirements.	520.6	
	4.	Check portable equipment used outdoors for supervision by qualified personnel and isolation from the general public.	520.7, 520.10	
	5.	Check fixed stage switchboards for suitability.	520.21 through 520.26	
	6.	Check stage switchboard feeders for type and capacity.	520.27	
	7.	Check fixed stage equipment other than switchboards for suitability and compliance with specific requirements for the equipment type.	520.40 through 520.49	
	8.	Check portable switchboards on stage for proper supply, overcurrent protection, construction, and feeders.	520.50 through 520.53	
	9.	Check portable stage equipment other than switchboards for appropriate construction, conductors, protection, and listings (where required).	520.61 through 520.69	
	10.	Verify that pendant lampholders are not used and that exposed incandescent lamps less than 8 ft (2.4 m) above the floor have guards in dressing rooms.	520.71, 520.72	
	11.	Verify that dressing rooms are equipped with switches and pilot lights for lights and receptacles adjacent to mirrors.	520.73	
	12.	Verify that all metal raceways, metal-sheathed cables, and metal frames of equipment are grounded.	520.81, Article 250	

Special Occupancies

Checklist 9-4: Carnivals, Circuses, Fairs, and Similar Events

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that mechanical protection is provided for equipment subject to damage.	525.6	
	2.	Verify that transformers, generators, or services used as power sources meet the requirements of their respective articles and Article 250 and that rides and attractions are bonded to the same grounding electrode system when supplied from different power sources and separated by less than 12 ft (3.7 m).	525.10, 525.11	
	3.	Check overhead conductors for adequate clearances from the ground and from rides and attractions.	525.5	
	4.	Check wiring methods, especially flexible cords, for suitability and protection from damage.	525.20	
	5.	Check wiring inside tents and concessions for mechanical protection for wiring and guards on temporary lamps.	525.21(B)	
	6.	Verify that suitable boxes are provided at all outlets and at connection points, junction points, and switch points.	525.20(H)	
	7.	Check the construction and suitability of portable distribution and termination boxes.	525.22	
	8.	Verify that overcurrent protection is provided in accordance with Article 240.	Article 240	
	9.	Verify that general-use receptacles are provided with GFCI protection.	525.23(A)	
	10.	Verify that grounding continuity is assured each time portable equipment is connected.	525.32	
	11.	Verify that metal frames, enclosures, and equipment are bonded.	525.30	
	12.	Verify that equipment grounding conductors of the proper size and type are supplied to all equipment requiring grounding.	525.31	
	13.	Check each portable structure for a disconnect in the form of a fusible switch or circuit breaker located within sight and within 6 ft (1.8 m) of the operator's station.	525.21(A)	
	14.	Verify that any attractions using contained volumes of water meet the applicable requirements of Article 680.	525.3(D)	

Special Occupancies

Checklist 9-5: Agricultural Buildings				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Determine the applicability of Article 547.	547.1	
	2.	Check wiring methods for suitability for the occupancy and conditions and for protection from physical damage.	547.5	
	3.	Verify that any equipment grounding conductors installed underground are insulated or covered.	547.5(F)	
	4.	Check switches, circuit breakers, controllers, and the like for enclosures suitable for the conditions.	547.5(C), 547.6	
	5.	Verify that luminaires are installed to minimize the entry of dust and water and that fixtures exposed to damage are supplied with guards.	547.8	
	6.	Verify that the arrangement of service equipment, distribution equipment, overcurrent protection, and grounding complies with requirements.	547.9	
	7.	Verify that an equipotential plane has been installed in concrete floors of livestock containment areas and bonded to electrodes and conductive elements.	547.10	
	8.	Verify that GFCI protection has been provided where required.	547.5(G)	

Special Occupancies

Checklist 9-6: Recreational Vehicle Parks

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Article 551 and Part VI.	551.1, 551.2, 551.4	
	2.	Verify that all sites with power have 20-ampere, 125-volt receptacles, at least 20 percent have 50-ampere, 125/250-volt receptacles, and at least 70 percent have 30-ampere, 125-volt receptacles.	551.71	
	3.	Verify that the voltages of distribution systems are appropriate for the sites supplied.	551.31, 551.40(A)	
	4.	Review load calculations, and check sizing or ratings of transformers, panelboards, and feeders.	551.73	
	5.	Verify that grounded feeder conductors have the same ampacity as ungrounded conductors.	551.73(D)	
	6.	Verify that separate equipment grounding conductors extending from a service or secondary distribution system are run to equipment requiring grounding.	551.76	
	7.	Check RV site supply equipment for proper location relative to the vehicle parking stand.	551.77(A)	
	8.	Check site supply equipment and disconnecting means for proper access, mounting height, working space, and marking.	551.77(B) through (F)	
	9.	Check overhead conductors for vertical and horizontal clearances from the finished grade in areas subject to vehicle movement.	551.79	
	10.	Check underground conductors for appropriate ratings, insulation, identification, and, where emerging from the ground, proper physical protection.	551.80	

Special Occupancies

Checklist 9-7: Marinas and Boatyards				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Determine the applicability of Article 555.	555.1	
	2.	Verify that shore power receptacles are of an appropriate grounding type and have appropriate ampere ratings.	555.19(A)	
	3.	Verify that general-use receptacles not used for shore power are GFCI protected.	555.19(B)	
	4.	Verify that disconnecting means are provided within sight of shore power connections to isolate each boat from its supply circuit.	555.17	
	5.	Verify that receptacles used for shore power are supplied by individual branch circuits with voltage and current ratings corresponding to the receptacles.	555.19(A)(3)	
	6.	Review feeder and service calculations for compliance with requirements.	555.12	
	7.	Verify that wiring methods are suitable for wet locations and that portable power cables, where used, are extra-hard-usage type listed for wet locations and sunlight resistance.	555.13	
	8.	Verify that equipment requiring grounding is connected to an insulated equipment grounding conductor included with feeders and branch circuits.	555.15	
	9.	Check wiring over or under navigable water for suitability and clearances.	555.13(B)(3)	
	10.	Check wiring in motor fuel-dispensing stations for compliance with Article 514.	555.21	
	11.	Verify that service equipment for floating docks or marinas is located adjacent to, but not on or in, the floating structure.	555.7	
	12.	Verify that ground-fault protection is provided for the main overcurrent device on the supply to the marina.	555.3	

ELECTRICAL INSPECTION CHECKLIST

Swimming Pools and Related Installations

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 10-1: Initial Inspection: Prior to Pouring of Concrete or Burial

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Article 680.	680.1, 680.2	
	2.	Check overhead conductor clearances for conformance with requirements.	680.8	
	3.	Check underground wiring for suitability, clearances from pool, and minimum cover requirements.	680.10	
	4.	Check underwater luminaires for locations, wiring methods, and connections to wiring methods.	680.23	
	5.	Check pool-related equipment for appropriate wiring methods.	680.21, 680.23(B) and (F), 680.25	
	6.	Check junction boxes and enclosures connecting to underwater luminaires for listing and labeling, appropriate size and location, and proper materials.	680.24	

Swimming Pools and Related Installations

Checklist 10-1: Initial Inspection: Prior to Pouring of Concrete or Burial (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	7.	Check forming shells and wiring methods for underwater audio equipment.	680.27	
	8.	Verify that metal parts of pools and other nearby electrical equipment and metal parts are connected together to create equipotential bonding in the pool area, using appropriate methods.	680.21(B), 680.26	

Swimming Pools and Related Installations

Checklist 10-2: Intermediate and Final Inspections

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check pool equipment for suitability for approval.	110.3(A) and (B), 680.4	
	2.	Check transformers, power supplies, and GFCIs for identification and suitability for the purpose.	680.23(A)(2)	
	3.	Verify that conductors on the load side of transformers or GFCIs are separated from conductors not protected by GFCIs.	680.23(F)(3)	
	4.	Verify that general-use receptacles are not located within 6 ft (1.8 m) of pool walls and that all receptacles within 20 ft (6.1 m) of pool walls are GFCI protected.	680.21(C), 680.22(A)(1), (2), and (5)	
	5.	Verify that any receptacle installed between 6 and 10 ft (1.8 and 3.0 m) of pool walls that is used for pool equipment, is a single, grounding-type device, and is GFCI protected.	680.22(A)(1), (4), and (5), 680.22(B)	
	6.	Verify that at least one GFCI receptacle on a general-purpose branch circuit is installed between 6 and 20 ft (1.8 and 6.1 m) of pool walls at dwelling units.	680.22(A)(3)	
	7.	Verify GFCI protection of outlets for pool circulating pump motors that are supplied by single-phase, 15- or 20-ampere, 120- through 240-volt branch circuits.	680.21(C)	
	8.	Verify that luminaires and ceiling fans are located so that required clearances are maintained.	680.22(B)	
	9.	Verify that luminaires and ceiling fans are GFCI protected where GFCI protection is required.	680.22(B)(3) and (4)	
	10.	Verify that switches are located at least 5 ft (1.5 m) from pool walls or separated from the pool by a permanent barrier.	680.22(C)	
	11.	Verify that other outlets are at least 10 ft (3.0 m) from the pool.	680.22(D)	
	12.	Check flexible cords (where used) for compliance with equipment grounding conductor requirements and length limitations.	680.7	
	13.	Check underwater luminaires for locations, wiring methods, and connections to wiring methods.	680.23	
	14.	Check pool-related equipment for appropriate wiring methods.	680.21(A)	
	15.	Check junction boxes and enclosures connecting to underwater luminaires for listing and labeling, appropriate size and location, and proper materials.	680.24	

Swimming Pools and Related Installations

Checklist 10-2: Intermediate and Final Inspections (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	16.	Check forming shells and wiring methods for underwater audio equipment.	680.27	
	17.	Verify that metal parts of pools and nearby equipment and metal parts are bonded to an appropriate equipotential bonding grid, using appropriate methods.	680.26	
	18.	Verify that all equipment required to be grounded is grounded by insulated copper equipment grounding conductors and/or bonding jumpers of the proper size.	680.6, 680.21(A)(1), 680.23(B), (C), (D), and (F)	
	19.	Verify that a disconnecting means is provided, accessible, located within sight of pool equipment, and not located within 5 ft (1.5 m) of pool walls.	430.102, 680.12, 680.22(C)	
	20.	Check electric pool heaters for subdivision of heating elements and sizing of branch-circuit conductors.	680.9	
	21.	Check equipment rooms or pits for adequate drainage.	680.11	
	22.	Check electrically operated pool covers for proper motor and controller location, motor enclosure, and GFCI protection.	680.27(B)	
	23.	Check deck-area heaters for suitability and proper clearances from pool.	680.27(C)	

Swimming Pools and Related Installations

Checklist 10-3: Storable Swimming Pools and Storable Spas and Hot Tubs

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Part III of Article 680.	680.2	
	2.	Verify that cord-connected pool pumps are double-insulated and that internal metal parts are grounded through a grounding-type attachment plug.	680.31	
	3.	Verify that all electrical equipment associated with the storable pool is provided with GFCI protection.	680.31, 680.32	
	4.	Check luminaires for compliance with requirements based on the voltage of the luminaires.	680.33	
	5.	Verify that receptacles are not located within 6 ft (1.8 m) of the pool.	680.34	

Swimming Pools and Related Installations

Checklist 10-4: Spas and Hot Tubs: All Installations

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Part IV of Article 680.	680.2	
	2.	Check spa and hot tub equipment for suitability for approval.	110.3(A) and (B), 680.4	
	3.	Review the checklist for permanent pools for compliance with the applicable provisions of Parts I and II of Article 680 (modified for indoor installations).	680.42	
	4.	Check outlets supplying a self-contained spa or hot tub or a packaged spa or hot tub assembly for integral or separately provided GFCI protection.	680.44	
	5.	Verify compliance with requirements for disconnecting means.	422 Part III, 680.12, 680.22(D)	
	6.	Verify that spas or hot tubs in other than single-family dwellings are provided with an emergency shutoff or control switch, as required.	680.41	
	7.	Check electric pool heaters for subdivision of heating elements, and sizing of branch-circuit conductors.	680.9	

Swimming Pools and Related Installations

Checklist 10-5: Spas and Hot Tubs: Indoor Installations Only

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that a suitable wiring method of Chapter 3 of the <i>NEC</i> is used to supply and connect spas and hot tubs, unless cord-and-plug connections are permitted.	680.43	
	2.	Verify that at least one GFCI-protected receptacle on a general-purpose branch circuit is located between 6 and 10 ft (1.8 and 3.0 m) of the walls of the spa or hot tub.	680.43(A)	
	3.	Verify that any receptacles used to supply power to a spa or hot tub are GFCI protected.	680.43(A)(3)	
	4.	Verify that luminaires and paddle fans are spaced as required from spa or hot tub walls and above maximum water level and that GFCI protection is provided, as required.	680.43(B)	
	5.	Verify that switches are located at least 5 ft (1.5 m) from the inside walls of the spa or hot tub.	680.43(C)	
	6.	Verify that all parts that are required to be grounded or bonded are grounded or bonded using appropriate methods.	680.43(D), (E), and (F)	
	7.	Check underwater audio equipment for compliance with Part II.	680.43(G)	

Swimming Pools and Related Installations

Checklist 10-6: Fountains				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Part V of Article 680.	680.2, 680.50	
	2.	Check fountain equipment for suitability for approval.	110.3(A) and (B), 680.4	
	3.	Verify that fountain equipment has GFCI protection unless supplied through a listed transformer at or below the low voltage contact limit.	680.51(A), 680.56(A)	
	4.	Check luminaires and equipment for compliance with voltage limitations.	680.51(B)	
	5.	Verify that the tops of luminaire lenses are below water level, unless listed for above-water locations.	680.51(C)	
	6.	Verify that equipment that depends on submersion for safe operation is protected by a low-water cutoff or other suitable means.	680.51(D)	
	7.	Verify that equipment is equipped with threaded conduit entries, that cords are limited to 10 ft (3.0 m), and that equipment in contact with water is corrosion resistant.	680.51(E)	
	8.	Verify that equipment can be serviced without draining water from the fountain.	680.51(F)	
	9.	Check junction boxes and other enclosures for compliance with the requirements for swimming pools as well as requirements for underwater boxes.	680.52	
	10.	Verify that all parts that are required to be grounded or bonded are grounded or bonded using appropriate methods.	680.53, 680.54, 680.55	
	11.	Check power-supply cords for proper type, sealing, and terminations.	680.56	
	12.	Verify that signs installed in fountains are GFCI protected, located more than 5 ft (1.5 m) from fountain walls, not portable, and otherwise comply with Articles 600 and 250.	680.57	

Swimming Pools and Related Installations

Checklist 10-7: Therapeutic Pools and Tubs				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Part VI of Article 680.	680.2, 680.60 through 680.62	
	2.	Check therapeutic pools and tubs for suitability for approval.	110.3(A) and (B), 680.4	
	3.	Verify that permanently installed therapeutic pools comply with the applicable requirements for permanently installed pools (Parts I and II).	680.61	
	4.	Verify that outlets for therapeutic tubs are GFCI protected (separate or integral) unless supplying field-assembled tubs rated 3-phase or over 250 volts.	680.62(A)	
	5.	Verify that all parts of therapeutic tubs that are required to be grounded or bonded are grounded or bonded using appropriate methods.	680.62(B),(C), and (D)	
	6.	Verify that all receptacles within 6 ft (1.8 m) of a therapeutic tub are GFCI protected.	680.62(E)	
	7.	Verify that all luminaires used in areas of therapeutic tubs are of the totally enclosed type.	680.62(F)	

Swimming Pools and Related Installations

Checklist 10-8: Hydromassage Bathtubs

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Part VII of Article 680.	680.2, 680.70	
	2.	Check hydromassage bathtub equipment for suitability for approval.	110.3(A) and (B)	
	3.	Check hydromassage bathtub equipment for readily accessible GFCI protection.	680.71	
	4.	Verify that an individual branch circuit is used to supply a hydromassage bathtub.	680.71	
	5.	Check other electrical equipment in the same room as a hydromassage bathtub for compliance with the ordinary rules of Chapters 1 through 4 of the <i>NEC</i> .	680.72	
	6.	Verify that hydromassage bathtub equipment is accessible without damaging the building structure or finish.	680.73	
	7.	Verify that metal parts required to be bonded are connected together with a minimum 8 AWG solid copper bonding jumper.	680.74	

ELECTRICAL INSPECTION CHECKLIST

Emergency and Standby Systems and Fire Pumps

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 11-1: Emergency Systems

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Determine the applicability of Article 700.	700.1	
	2.	Check equipment for suitability for approval.	110.3(A) and (B), 700.5(A) and (C)	
	3.	Review load calculations and verify that system capacity is adequate.	700.4(A)	
	4.	Verify that system capacity is adequate for any nonemergency loads it feeds or that automatic selective load pickup and load shedding are provided.	700.4(B)	
	5.	Verify that power sources are suitable and capable of supplying the load within 10 seconds and maintaining the load for at least 1½ hours.	700.12	
	6.	Verify that generators or fuel cells, if used, have on-site fuel adequate for at least 2 hours of operation and that fuel pumps, if any, are supplied by emergency power.	700.12(B)(2) and (E)	

Emergency and Standby Systems and Fire Pumps

Checklist 11-1: Emergency Systems (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	7.	Verify that unit equipment, if used, is fixed in place and connected to the same circuit that supplies normal lighting to the area, ahead of any local switches.	700.12(F)	
	8.	Verify that transfer equipment is automatic, listed for emergency use, equipped with means for bypass, electrically operated, and mechanically held.	700.5	
	9.	Verify that transfer equipment supplies only emergency loads.	700.5(D)	
	10.	Verify that audible and visual signals are provided as required. (Automatic disconnection of emergency systems on ground faults is not required.)	700.6, 700.27	
	11.	Check for signs at service equipment indicating emergency system type and location and for signs at grounding locations indicating sources connected.	700.7	
	12.	Check boxes and enclosures for permanent identification as components of the emergency system.	700.10(A)	
	13.	Verify that emergency wiring is entirely independent of other wiring, except as specifically permitted for common enclosures, luminaires, and boxes.	700.10(B)	
	14.	Verify that emergency feeder circuits and equipment in high-rise (over 75 ft) buildings and assembly occupancies of over 1000 persons have suitable fire protection.	700.10(D)	
	15.	Verify that emergency branch circuits supply only emergency loads.	700.15	
	16.	Verify that power to emergency lighting in areas served by high-intensity discharge (HID) luminaires is maintained until normal illumination is restored.	700.16	
	17.	Verify that emergency lighting equipment is arranged so that an area will not be left in total darkness by the failure of a single lighting element.	700.16	
	18.	Verify that emergency lighting is supplied automatically on failure of the normal power supply.	700.17, 700.18	
	19.	Verify that any switches that may disconnect power to emergency lighting are conveniently accessible, but only to authorized persons.	700.20, 700.21	
	20.	Verify that branch-circuit overcurrent devices in emergency circuits are accessible only to authorized persons.	700.26	
	21.	Verify that all emergency system overcurrent devices are selectively coordinated.	700.28	

Emergency and Standby Systems and Fire Pumps

Checklist 11-1: Emergency Systems (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	22.	Verify that surge protection is provided on emergency system switchboards and panelboards.	700.8	
	23.	Verify and witness that testing is conducted as required and that a written schedule and record for periodic testing and maintenance are provided.	700.3	
	24.	Check for compliance with NFPA 101, NFPA 110, and other applicable building codes.	700.1, Informational Notes	

Emergency and Standby Systems and Fire Pumps

Checklist 11-2: Legally Required Standby Systems

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Determine the applicability of Article 701.	701.1, 701.2	
	2.	Check equipment for suitability for approval.	110.3(A) and (B)	
	3.	Review load calculations and verify that system capacity is adequate.	701.4	
	4.	Verify that system capacity is adequate for any optional standby loads it feeds or that automatic selective load pickup and load shedding are provided.	701.4	
	5.	Verify that power sources are suitable and capable of supplying the load within 60 seconds or less and maintaining the load for at least 1½ hours.	701.12	
	6.	Verify that generators, if used, have on-site fuel adequate for at least 2 hours of operation.	701.12(B)(2)	
	7.	Verify that unit equipment, if used, is fixed in place and connected to the same circuit that supplies normal lighting to the area, ahead of any local switches.	701.12(G)	
	8.	Verify that transfer equipment is automatic, listed for emergency use, equipped with means for bypass, electrically operated, and mechanically held.	701.5	
	9.	Verify that audible and visual signals are provided as required. (GFP of equipment on legally required standby systems is not required.)	701.6, 701.26	
	10.	Check for signs at service equipment indicating standby system type and location and for signs at grounding locations indicating sources connected.	701.7	
	11.	Check wiring for compliance with the general requirements of Chapters 1 through 4 of the NEC. (Separation of standby wiring from other general wiring is not required.)	701.10	
	12.	Verify that overcurrent protection devices for legally required standby systems are accessible to authorized persons only.	701.25	
	13.	Verify that all legally required standby system overcurrent devices are selectively coordinated.	701.27	
	14.	Verify and witness that testing is conducted as required and that a written schedule and record for periodic testing and maintenance are provided.	701.3	

Emergency and Standby Systems and Fire Pumps

Checklist 11-3: Optional Standby Systems

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Determine the applicability of Article 702.	702.1, 702.2	
	2.	Check equipment for suitability for approval.	110.3(A) and (B)	
	3.	Verify that transfer equipment is suitable for the intended use.	702.5	
	4.	Verify that audible and visual signals are provided as required.	702.6	
	5.	Check for signs at service equipment indicating standby system type and location and for signs at grounding locations indicating sources connected.	702.7	
	6.	Check wiring for compliance with the general requirements of Chapters 1 through 4 of the <i>NEC</i> . (Separation of standby wiring from other general wiring is not required.)	702.10	
	7.	Verify load calculation of optional standby system and that source is fully rated for the load where automatic transfer equipment is used.	702.4(B)	

Emergency and Standby Systems and Fire Pumps

Checklist 11-4: Fire Pumps				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Determine the applicability of Article 695.	695.1, 695.2, 695.7	
	2.	Check equipment for listing.	695.10	
	3.	Verify that a reliable source of power is provided.	695.3	
	4.	Verify that continuity of power is ensured and supervised.	695.4	
	5.	Verify that transformers, other than utility or service transformers, are properly sized and protected.	695.5	
	6.	Verify that supply wiring is routed outside of buildings or is otherwise protected against damage and is independent of other wiring.	695.6(A)	
	7.	Verify that appropriate wiring methods are used for power and control wiring.	695.6(D), (F), (H), (I), and (J), 695.14(D), (E), and (F)	
	8.	Check equipment for appropriate locations and mounting.	695.12	
	9.	Verify that conductors and overcurrent protection are adequately sized.	695.4, 695.6(B), (C), and (G)	

ELECTRICAL INSPECTION CHECKLIST

Remote-Control, Signaling, and Fire Alarm Circuits and Optical Fiber Cables

Date: _____ Inspector: _____

Location: _____

Comments: _____

Checklist 12-1: Class 1, Class 2, Class 3, Remote-Control, Signaling, and Power-Limited Circuits

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that tubing, piping or other mechanical system is not installed in raceways and cable trays containing conductors for Class 1, Class 2, and Class 3 circuits.	700.3(K) 300.8	
	2.	Verify that installation of cables does not prevent access through panels designed to provide access.	725.21	
	3.	Verify that cables have been supported to prevent damage under normal conditions.	725.24	
	4.	Identify safety-control circuits for Class 1 designation.	725.31	
	5.	Verify Class 1, 2, or 3 circuit designation.	725.41, 725.121	

Remote-Control, Signaling, and Fire Alarm Circuits and Optical Fiber Cables

Checklist 12-1: Class 1, Class 2, Class 3, Remote-Control, Signaling, and Power-Limited Circuits (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	6.	Verify that Class 1, Class 2, and Class 3 circuits are adequately identified at junctions and terminations.	725.30	
	7.	Verify overcurrent protection for 18 and 16 AWG Class 1 circuit conductors.	725.43, 725.45, 725.49	
	8.	Check for proper Class 1 wiring methods.	725.46	
	9.	Check the insulation type of 18 and 16 AWG Class 1 circuit conductors.	725.49	
	10.	Verify proper raceway fill and derating for Class 1 circuits.	725.51	
	11.	Check on separation of Class 1 circuits from power circuits except where functionally associated.	725.48	
	12.	Verify listing of Class 2 and Class 3 power sources.	725.121	
	13.	Check wiring methods on the load side and supply side of Class 2 and Class 3 power sources.	725.127, 725.130, 725.154	
	14.	Verify separation of Class 2 and Class 3 circuits from other circuits.	725.133, 725.136, 725.139	
	15.	Verify that Class 2 and Class 3 circuits are not supported from raceways or cables.	300.11(B)(2), 725.143	
	16.	Verify proper application of Class 2 and Class 3 cables.	725.3, 725.154, 725.135	
	17.	Check listing and marking of Class 2 and Class 3 circuit conductors.	725.179	

Remote-Control, Signaling, and Fire Alarm Circuits and Optical Fiber Cables

Checklist 12-2: Fire Alarm Systems				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that tubing, piping or other mechanical system is not installed in raceways and cable trays containing conductors for Class 1, Class 2, and Class 3 circuits.	760.3(G) 300.8	
	2.	Verify that installation of cables does not prevent access through panels designed to provide access.	760.21	
	3.	Verify that cables have been supported to prevent damage under normal conditions.	760.24	
	4.	Check on proper identification of fire alarm circuits at junction and terminal locations.	760.30	
	5.	Distinguish nonpower-limited from power-limited fire alarm circuits and verify power supply is supplied by a branch circuit that supplies only loads associated with the fire alarm system and is not protected by GFCI or AFCI devices.	760.41, 760.121, 210.12(A)	
	6.	Verify overcurrent protection for 18 and 16 AWG nonpower-limited fire alarm circuit conductors.	760.43, 760.45	
	7.	Check for proper nonpower-limited wiring methods.	760.46	
	8.	Check insulation type and rating of nonpower-limited circuit conductors.	760.49	
	9.	Verify proper raceway fill and derating for nonpower-limited circuits.	760.48, 760.51	
	10.	Verify proper application of listed nonpower-limited fire alarm cables.	760.53	
	11.	Verify listing of power-limited source and that the power supply is supplied by a branch circuit that supplies only loads associated with the fire alarm system and is not protected by GFCI or AFCI devices.	760.121	
	12.	Check equipment marking to indicate power-limited circuit.	760.124	
	13.	Verify proper wiring methods on the load side and supply side of a power-limited source.	760.127, 760.130, 760.154	

Remote-Control, Signaling, and Fire Alarm Circuits and Optical Fiber Cables

Checklist 12-2: Fire Alarm Systems (cont.)

✓	Item	Inspection Activity	NEC Reference	Comments
	14.	Verify separation of power-limited fire alarm circuits from other circuits.	760.136, 760.139	
	15.	Verify that power-limited fire alarm circuits are not supported from raceways.	760.143	
	16.	Verify proper application of listed power-limited fire alarm cables.	760.154, 760.176	
	17.	Check listing and marking of listed power-limited fire alarm cables.	760.179	

Remote-Control, Signaling, and Fire Alarm Circuits and Optical Fiber Cables

Checklist 12-3: Optical Fiber Cables and Raceways

✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that installation of cables does not prevent access through panels designed to provide access.	770.21	
	2.	Verify that cables have been supported to prevent damage under normal conditions.	770.24, 770.110	
	3.	Check for proper raceway fill where optical fiber cables are installed with electric conductors.	770.12, 770.110, 770.133	
	4.	Check for grounding and bonding of non-current-carrying metallic members of optical fiber cables.	770.93, 770.100, 770.114	
	5.	Check for proper application of listed optical fiber cables.	770.113, 770.154, 770.179	
	6.	Verify appropriate separations between optical fiber cables and electrical conductors.	770.133	