

Elkhart County Planning & Development

Public Services Building | 4230 Elkhart Road, Goshen, Indiana 46526
Phone: 574-875-3335 | Fax: 574-875-3308
www.elkhartcountyindiana.com

Rough-In Wiring – Inspector’s Checklist

Based on the Indiana Electric Code (675 IAC-17 IEC)
2008 NEC (1st printing) with Indiana Amendments

Effective August 26, 2009 – Fire & Building Safety Commission – 675 IAC 17-1.8-1

Boxes:

1. Number of conductors according to size of conductors.
2. Proper type cable clamps and connectors.
3. Boxes properly supported.
4. Grounding of metal boxes.
5. Proper setting of boxes for all wall and ceiling finishes.
6. Listed splicing connectors.
7. Check size of conductors.
8. Location of boxes for clothes closet lighting.
9. Knockout seals installed.
10. No buried junction, device or outlet boxes.
11. Proper spacing of receptacles.

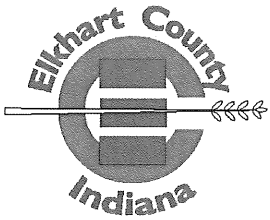
Cables:

1. Proper support at boxes.
2. Protection at locations, where required.
3. Proper terminations.
4. Holes for cables or electrical nonmetallic tubing are bored as close to center of wood studs as possible or 1/16th inch metal plates installed.
5. All splices made in an approved manner, including equipment grounding conductors.
6. Proper size equipment grounding conductors.
7. Radius and bends of cables.
8. Neutrals spliced throughout on 3-wire 120/240-V branch circuits.
9. Clearance from furnace ducts or other heat producing equipment.
10. Stacked or bundled cables derated.
11. Clearance from attic for cables.
12. Cables not damaged or kinked.
13. Proper type insulation of conductors for Types NM, UF and AC cables.

Circuits:

1. Proper size conductors for circuits.
2. Number of circuits required based on square footage of dwelling.
3. Individual branch circuits for larger appliances.
4. At least two small appliance branch circuits for the kitchen, pantry, breakfast room and dining room.
5. Length of circuit conductors from supply point.
6. Proper splicing of conductors as to type of conductors.

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Rough-In Wiring – Inspector’s Checklist (cont’d)

Service Equipment:

1. Proper size service entrance cable or race-way.
2. Clearance of service weather head from final grade.
3. Proper size service entrance conductors.
4. Support of service raceway, if required.
5. Bracing of raceway, if required.
6. Service main disconnecting means of proper size.
7. Grounding of neutral (grounding electrode conductor).
8. Bonding of all service equipment.
9. Ground clamp accessible or meets exception.
10. Circuit conductors properly terminated in fuse or circuit breaker box.
11. Proper size fuse or breaker based on size of circuit conductors.
12. All equipment of approved or listed type.
13. If outdoors, equipment is weatherproof.

Electric Range:

1. Check cable size as to kW to be supplied.
2. Proper termination at range or receptacle.
3. Physical protection of cable assemblies and their conductors where exposed and passing through a floor.

Electric Dryer:

1. Cable size and type.
2. Device box of proper size.
3. Receptacle of proper type and configuration.

Dishwasher / Disposal:

1. Individual branch circuit, if required.
2. Equipment grounding conductor for noncurrent carrying metal parts.

Built-in Heater:

1. Size of conductors.
2. Cabinet properly grounded.
3. Proper connector where cable enters cabinet.

Air-Conditioning Equipment:

1. Size of conductor based on horsepower supplied.
2. Working clearances at unit.
3. Disconnecting means at or within sight of unit.

IMPORTANT - PLEASE READ: Code sections and items referenced in this checklist do not contain the entire code section or the exact wording of the code. Additional code requirements or exceptions may apply and are the responsibility of the Owner and/or General Contractor in charge of the work being done. The code references and items listed are included for your convenience only. This list may be expanded where necessary. It should be understood that the rough-in wiring inspection is performed and can only be approved by the Elkhart County Building Department.