



CITY OF SAINT PAUL
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RESIDENTIAL DWELLING CHECKLIST 2014 NEC **(ROUGH-IN)**

This checklist is a guideline of common code requirements but does not include all the requirements of the 2014 NEC.

___ MN Rule 3801.3770 - All wiring must be inspected before it is concealed, the person responsible for concealing the wiring is responsible for all costs associated with removal and replacement of the covering material. All ground wires and other wires in boxes must be spliced and pigtailed before scheduling a rough-in inspection.

___ MN Rule 3801.3780 & Article 110.3, NEC – All electrical luminaires and equipment shall be listed and labeled by a Nationally Recognized Testing Laboratory (NRTL), and installed in accordance with the manufacturer's listing instructions.

___ Article 210.11 & 422.12, NEC – In addition to the circuits required for general lighting loads in a dwelling unit, the following minimum circuit requirements apply:

1. Two 20 amp small appliance branch circuits serving kitchen, dining, pantry, and similar.
2. One 20 amp circuit for laundry receptacle.
3. One 20 amp circuit for bathroom receptacles.
4. One branch circuit for central heating equipment.

___ Article 210.52(A), NEC – Receptacle outlets in habitable rooms shall be installed so that no point measured horizontally along the floor line in any wall space is more than 6 ft. from a receptacle outlet. A receptacle outlet shall be installed in each wall space 2 ft. or more in width.

___ Article 210.52(C), NEC – Receptacle outlets serving countertops in kitchens, pantries, dining rooms or similar areas shall be installed so that no point along the wall is more than 24" measured horizontally from a receptacle in that space. A receptacle outlet shall be installed at each counter space 12 in. or wider. Countertops separated by range tops, refrigerators, or sinks shall be considered as separate counter spaces.

___ Article 210.52(C), NEC – At least one receptacle outlet shall be installed at each island or peninsula space with dimensions of 24 in. by 12 in. or greater.

___ Article 210.52(D), NEC - A receptacle outlet shall be installed within 3 ft. of each bathroom sink measured from the outside edge of the sink. The receptacle shall not be installed more than 12 in. below the top of the sink.

___ Article 210.52(E), NEC – At least one receptacle outlet shall be installed on the front and back exterior of the dwelling that is accessible from grade. The receptacle shall be no greater than 6 ½ ft. above grade.

___ Article 210.52(E), NEC – Decks, balconies, and porches accessible from inside a dwelling unit shall have at least one receptacle less than 6 ½ ft. above the floor.

___ Article 210.52(H), NEC – Hallways that are 10 ft. in length or more shall have at least one receptacle outlet.

___ Article 210.52(I), NEC – Foyers greater than 60 sq. ft. shall have a receptacle outlet on wall spaces greater than 3 feet in width.

(over)

___Article 210.70(A), NEC – At least one wall switched lighting outlet shall be installed in every habitable room and bathroom. In other than kitchens and bathrooms a receptacle controlled by a wall switch shall be permitted.

___Article 210.70(A), NEC – At least one wall switched lighting outlet shall be installed in hallways and stairways. Where a lighting outlet is installed for interior stairways, there shall be a wall switch at each floor level.

___Article 210.70(A)(2), NEC – At least one wall switched-controlled lighting outlet shall be installed on the exterior of the dwelling unit by doors with access to grade.

___Article 314.23, NEC – Electrical boxes shall be rigidly secured to the building structure.

___Article 314.27(A), NEC – A ceiling outlet box used exclusively for lighting shall be listed to support a luminaire up to 50 pounds.

___Article 314.27(C), NEC – A listed fan box shall be used where ceiling-suspended paddle fans are installed, or where spare conductors are installed to a location acceptable to a ceiling fan.

___Article 314.27(B), NEC – A listed floor box shall be used for boxes mounted face-up on the floor for a receptacle outlet.

___Article 110.12(A), NEC – Unused openings in boxes shall be properly closed. Non-metallic boxes shall be replaced if cable openings are punched out but not used.

___Article 314.29, NEC – Junction boxes and conduit bodies shall be accessible without having to remove any part of the building or structure.

___Article 314.16, NEC – Boxes shall be an approved size for the number of conductors and devices to be contained. Nonmetallic boxes are marked with their cubic inch capacity.

___Article 300.4(A)&(D), NEC – NM Cable shall be protected from physical damage. Where installed through drilled holes in wood framing, the edge of the hole shall not be less than 1 ¼” from the face of the wood stud or joist. NM Cable when installed parallel to wood framing must also maintain 1 ¼” spacing from the face of the wood member. Where this distance cannot be maintained a steel plate (nail plate) at least 1/16 in. thick shall be used to protect the cable.

___Article 300.22(C), NEC – NM Cable shall not be installed in plenum spaces, but may pass through a joist or stud space perpendicular to the long dimension of the plenum space.

___Article 334.30, NEC – Nonmetallic-sheathed cable shall be supported and secured at intervals not exceeding 4 ½ ft. and within 12 in. of each box.

___Article 314.17(C), NEC – The outer jacket of NM cable shall be secured to the box and extend into the box at least ¼ inch.

___Article 300.14, NEC – The minimum length of free conductors at all boxes, including the equipment grounding conductor, shall be at least 6” from where the conductors enter the box.

___Article 404.2(C), NEC – Lighting switch locations for habitable rooms shall be provided with a grounded (neutral) conductor unless noted in 1-7 of this article.

___Article 110.14, NEC – Where there is more than one equipment grounding conductor in a box the grounding conductors shall be spliced together with a “pigtail” attached to the grounding terminal of the device.

___Article 250.134, NEC – All non-current carrying metal parts of equipment, including raceways, and metal boxes shall be connected to the equipment grounding conductor.

___ 410.116(B), NEC – Thermal insulation shall not be installed above, or within 3 in. of a recessed luminaire, unless the luminaire is identified as Type IC.