



RESIDENTIAL DWELLING CHECKLIST 2023 NEC **(FINAL)**

*This checklist is a helpful guideline of common code requirements but does not include all the requirements of the 2023 NEC.
2023 NEC revisions to this document in red.*

___MN Rule 3801.3780 & SPLC 33.03(e)(1), 33.09 – A final inspection shall be scheduled by the installer when the electrical work is complete prior to the wiring being utilized and the space occupied. If deficiencies are noted, they must be abated within 30 days or a citation may be issued with a mandatory court appearance.

___MN Rule 3801.3620 & NEC 110.3 – 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. Equipment that is not properly listed shall be evaluated per the State of Minnesota's Department of Labor and Industry Regulation 3801.3620.

___SPLC 33.04(g)(4) & 33.09 – All electrical permit fees shall be paid before final approval of the electrical permit. A new electrical permit must be purchased for additional work not included on the original permit. A violation of Chapter 33 is a misdemeanor offense.

___NEC 200.11 - No grounded conductor shall be attached to any terminal or lead to reverse the designated polarity.

___NEC 406.4(A) –receptacles installed on all new 15- and 20-ampere branch circuits shall be of the grounding type.

___NEC 406.5(A) & (D) – Receptacles shall be rigidly supported to the surface, and receptacle faces shall be flush or project from the faceplate.

___NEC 406.12 & 406.4(D) – All 125-volt 15 and 20 amp receptacles installed or replaced in dwelling units below 5'-6" shall be listed Tamper-Resistant.

___NEC 406.9 & 406.4(D) – Receptacles installed or replaced in a wet location shall be listed Weather-Resistant, and have a listed cover marked "extra duty" that will close when attachment cord cap is inserted.

___NEC 404.4(C) - Switches shall not be installed within tubs or shower spaces unless installed as part of a listed tub or shower assembly.

___NEC 404.9(B) – Switches shall be connected to the equipment grounding conductor and shall provide a means to connect a metal faceplate to the equipment grounding conductor.

___NEC 210.12 & 406.4(D) – A listed Arc-Fault Circuit Interrupter (AFCI) protection device shall be provided for branch circuits, in a dwelling unit, supplying outlets or devices in kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sun rooms, rec. rooms, closets, hallways, laundry areas, or similar. Where branch circuits in the above areas are modified, replaced, or extended AFCI protection shall be provided. Replacement receptacles in the above areas shall have AFCI protection.

___NEC 210.8(A)& 406.4(D) – GFCI protection shall be provided for all 125-volt through 250-volt receptacle outlets installed or replaced in bathrooms, garages/accessory buildings, outdoors, basements, crawl spaces, kitchens, laundry areas, indoor damp and wet locations, and within 6 ft. of the outer edge of a sink, bathtub, or shower stall.

___NEC 210.52(C)(2) – "If" a receptacle outlet is installed to serve an island or peninsula countertop, the receptacle shall be located on or above the countertop, but not more than 20 inches above. A receptacle outlet can no longer be installed

below the countertop. A listed receptacle outlet assembly can be used on the countertop or work surface to accomplish installing a receptacle on the countertop. If the receptacle(s) on the island/peninsula are not installed, provisions shall be provided for future addition(s) of receptacles. Wiring would be required to be brought into the cabinets of the island/peninsula, then brought into a box that is covered for future extension.

___NEC 210.8(D) – Branch circuits or receptacle outlets rated 150V or less to ground and 60 amps or less, that supply dishwashers, sump pumps, electric ranges, wall-mounted ovens, counter-mounted cooking units, clothes dryers, and microwave ovens shall be GFCI protected.

___NEC 210.8(E) – GFCI protection shall be provided for 120V lighting outlets in crawl spaces.

___NEC 680.71 – A hydro-massage bathtub shall be GFCI protected and shall be supplied by an individual branch circuit.

___NEC 680.74 – The following parts shall be bonded together if they are within 5 ft. of the hydromassage tub and are not separated by permanent barriers: Metal fittings within or attached to tub, metal parts of electrical equipment associated with water circulating system, metal-sheathed cables, metal raceways, metal piping, all exposed metal surfaces, and electrical devices and controls.

___NEC 680.73 – Hydro-massage bathtub electrical equipment shall be accessible, and removable, without damaging the building finish. A receptacle mounted by an access panel to the tub shall be within 12" of the opening and facing the opening.

___NEC 680.74 – Properly bond all metal pipes and parts in contact with the water circulation system.

___NEC 410.6 – All Luminaires, lampholders, and retrofit kits shall be listed.

___NEC 410.42 – Exposed conductive surfaces of a luminaire shall be connected to the equipment grounding conductor.

___NEC 410.10(D) – Bathtub or shower luminaires located within the outside dimension of the tub or shower to a height of 8 ft. above the tub rim or shower threshold shall be listed for a damp location. Where subject to shower spray the luminaire shall be listed for a wet location.

___NEC 410.16(B) – Clothes closets shall not contain incandescent luminaires with open or partially enclosed lamps, or lampholders.

___NEC 410.16(C) – Luminaires in clothes closets shall be installed with the following minimum clearances from the nearest point of the storage space.

12" - for completely enclosed surface-mounted incandescent or LED luminaires

6" - for recessed or surface mounted fluorescent luminaires

6" - for completely enclosed recessed incandescent or LED luminaires

___NEC 410.10(A) – Luminaires installed in wet or damp locations shall be marked "suitable for wet location" or "suitable for damp location", and properly installed.

___NEC 411.4 – Low voltage lighting systems operating at 30 volts or less shall be part of a listed system, an assembly of listed parts may be permitted. Class 2 power sources shall also be listed. Listed installation instructions must be provided.

___NEC 210.70(A) – At least one lighting outlet containing a switch or controlled by a wall switch shall be installed in spaces used for storage, or containing equipment that requires servicing.

___NEC 110.12(A) – Unused openings in junction boxes, panelboards, and equipment shall be closed with knockout seals, breaker blanks, proper cable clamps, and/or junction box covers.

___NEC 314.20 – Listed box extenders shall be installed where the front edge of a box used for a flush type cover, or device plate, is not flush with combustible materials, or is set back more than ¼” on surfaces that are noncombustible.

___NEC 314.21 – Wall or ceiling that are broken or incomplete around boxes where a flush type cover or faceplate will be installed shall be repaired. A gap of 1/8” or less must be maintained around the edge of the box.

___NEC 314.25 – All boxes shall be covered by a blank/junction box cover, faceplate, lampholder, luminaire, or luminaire canopy.

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

___NEC 422.16(B)(E) – Garbage disposals, dishwashers, trash compactors, range hoods, and other appliances shall be permitted to be cord-and-plug connected where the cord is identified as suitable for the purpose, and the appliance is listed for flexible cord connection in the installation instructions. If the built-in dishwasher is cord and plug connected, the receptacle shall be located in the cabinet adjacent to the dishwasher, and the opening through the cabinet shall be protected by a bushing, grommet, **or smooth edge**.

___NEC 110.3(B) – A receptacle outlet cannot be installed above an electric baseboard heater unless the installation instructions for the heater allow it.

___NEC 110.3(B) - GFCI protection for a bath exhaust fan in the shower/tub area may be required, check the nameplate on the fan or the installation instructions for this requirement.

___NEC 400.8 – Flexible cords and cables shall not be used as a substitute for permanent wiring in a building.

___NEC 300.5(B) & 300.9 – The interior of a raceway in a wet location, above or below grade, is considered a wet location (NM cable is not permitted in a wet location).

Refer to other checklists for specific requirements during the rough-in inspection, and for electrical services, garages, and furnace/air conditioners/boilers also located on the electrical page of the DSI website.

Revised: 07/2023