



CITY OF SAINT PAUL

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Residential Dwelling Unit 2017 NEC Checklist (Garage)

*This checklist is a helpful guideline of common code requirements, but does not include all the requirements of the 2017 NEC.
2017 NEC revisions to this document in red.*

- ___ MN Rule 3801.3770 - All wiring installed in a trench must be inspected before it is concealed, the person responsible for backfilling the trench without an inspection is responsible for all costs associated with uncovering the wiring.
- ___ NEC 300.5 – Underground direct burial cable or conduit shall meet the following minimum burial depths to the top of the wiring method.
- 6” – Rigid metal conduit or intermediate metal conduit
 - 18” – PVC conduit
 - 24” - Direct Burial Cable (UF, USE)
- ___ NEC 300.5(D)(1)&(4) – Underground conductors emerging from grade shall be installed in rigid metal conduit, intermediate metal conduit, or Schedule 80 PVC conduit above grade to the point of termination. Direct burial cables shall be protected by a raceway to at least 18” below grade.
- ___ NEC 225.30 – A detached garage shall only be served by one branch circuit or feeder. A multi-wire branch circuit is considered one circuit.
- ___ NEC 225.31 & 32 – A disconnecting means shall be provided for all ungrounded conductors supplying a detached garage. The disconnecting means shall be at a readily accessible location either outside or immediately inside the building served.
- ___ NEC 250.32(A) – A detached garage supplied by a feeder, or branch circuit greater than 20 amps, shall have a grounding electrode system installed at the building in accordance with part 3 of article 250. A concrete encased electrode (new garage), or two ground rods, are common systems to accomplish this.
- ___ NEC 210.8(A)(2) – All 125V, single-phase, 15 and 20 amp receptacles installed in a garage shall be GFCI protected. The GFCI protection shall be at a readily accessible location.
- ___ NEC 210.11(C)(4) – **Receptacle outlets in a garage with electric power shall be supplied by at least one 20 amp branch circuit. This branch circuit shall have no other outlets.**
- ___ NEC 210.52(G) –A receptacle outlet is required in each **vehicle bay, and shall not be installed above 5 ½ feet.**
- ___ NEC 210.17 – Outlets installed for electrical vehicle charging shall be supplied by a separate branch circuit.
- ___ NEC 406.12 & 406.4(D) – All 125-volt 15 and 20 amp receptacles installed or replaced in a garage shall be listed Tamper-Resistant, unless they meet the exceptions in the articles.
- ___ 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.

(over)

___ NEC 210.70(A)(2)(a) – At least one wall switched lighting outlet shall be installed in a garage with electric power.

___ NEC 210.70(A)(2)(b) – In a garage with electric power, at least one wall switched lighting outlet shall be installed on the exterior side of outdoor entrances at grade level. A vehicle door is not considered an outdoor entrance.

___ NEC 334.15 – Exposed NM Cable shall closely follow the surface of the building finish, or be physically protected by running boards. It is this department's interpretation that horizontally wired, exposed NM cable below 8 ft. is subject to physical damage.