



## **RESIDENTIAL DWELLING CHECKLIST 2014 NEC** **(FURNACE/AIR CONDITIONER/BOILER)** **(NEW/REPLACEMENT)**

\_\_\_ MN Stat. 326B.33 – An Electrical Contractor that purchases an Electrical Permit for the installation of a Mini-split condensing unit is responsible for the wiring between the condensing unit and the remote fan coil units, unless a separate permit is purchased for that wiring.

\_\_\_ Article 422.12, NEC – A furnace shall be supplied by an individual branch circuit. Auxiliary equipment directly associated with the furnace shall be permitted on this circuit.

\_\_\_ Article 422.31(C), NEC – The furnace disconnecting means shall be within sight of the equipment.

\_\_\_ Article 210.8(A)(5), NEC – Receptacle outlets for the associated equipment of a furnace installed in an unfinished portion of the basement shall be GFCI protected, and if installed on the furnace circuit shall have no other outlets.

\_\_\_ Article 110.3(B), NEC – CSST gas piping systems shall be bonded to the grounding electrode conductor per the installation instructions. The connection to the gas piping system shall be between the gas meter and the CSST piping system.

\_\_\_ Article 440.14, NEC – The disconnecting means shall be installed within sight of the air conditioning equipment.

\_\_\_ Article 110.26(A), NEC – The working space in front of the air conditioner disconnect and AC unit control wiring access panel shall be at least 3 feet. The width of the working space shall be 30" or greater.

\_\_\_ Article 440.6(A) – The rated-load current and maximum overcurrent protection on the air conditioner nameplate, shall be used to determine the size of the disconnecting means, branch-circuit conductors, and the branch-circuit short-circuit and ground-fault protection.

\_\_\_ Article 210.63, NEC – A 125v, single phase, 15 or 20 amp receptacle shall be installed within 25 ft. of the heating and/or air-conditioning equipment. The receptacle shall be accessible and on the same level as the equipment.

\_\_\_ Article 300.4, 334.12(B) & 400.8, NEC – Raceways and cables to heating/air-conditioning equipment shall be protected from physical damage. Cables (TC/UF) from HVAC equipment to the building structure shall be protected by a raceway system, and properly strapped. NM cable is not permitted to be used in a raceway outside. Cord wiring is not permitted to be used between a mini-split and fan coil unit.

\_\_\_ Article 210.70(A)(3), NEC – At least one lighting outlet shall be installed at the furnace equipment.

\_\_\_ Article 250.122, NEC – The minimum size wire type equipment grounding conductor shall be sized to Table 250.122 of the NEC.