

**CATAWBA COUNTY GOVERNMENT  
BUILDING SERVICES DIVISION**



**REQUIREMENTS FOR TEMPORARY UTILITY CONNECTIONS**

Please ensure the following requirements have been satisfied prior to requesting an inspection for the temporary connection of the building or system to the utility source of energy, fuel or power. (This is not a final inspection of the building or any of the service systems):

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General Contractor or Owner's Responsibility

1. Heat or power for Residential Units:
  - a. Rough plumbing, mechanical electrical and building inspections are approved or approved with notes.
  - b. Insulation inspection approved or approved with notes.
2. Commercial Units:
  - a. For temporary power the building shall be dried in to include roof covering, flashing, windows and doors.
  - b. For temporary heat the building shall be dried in and a temporary electrical connection has been approved or an application for temporary power is accompanying the heat request.
3. Submit the appropriate service agreements with applicable signatures to the Permit Center along with payment for temporary utility fees. All applications should be filled out in person at the Permit Center, if applications must be faxed signatures shall be notarized.

Electricians Responsibility

Prior to requesting an inspection for a temporary electrical power verify the following:

1. Verify with Permit Specialist that all parties have signed the appropriate application for service agreement.
2. Appropriate rough inspections have been requested and approved or approved with notes prior to temporary connection inspection (See above for minimums).
3. All electrical wiring and devices shall be properly terminated with wire nuts and recessed into electrical device boxes (this does not require junction box covers). Electrical wiring or devices likely to be energized shall not be open to contact by construction personnel.
4. Be prepared to perform a witness test of continuity with the code enforcement official at all sub-panels to insure grounded conductors are isolated from the grounding system. (Art. 250.6 Objectionable current over Grounding System.)
5. Verify over-current protection, ungrounded conductors, grounded conductors, bonding jumpers, grounding electrode conductors and grounding conductors at all panel-boards to be energized are installed properly.
6. All 125volt single-phase branch circuits requested for use for portable power tools shall have ground-fault interrupter protection for personnel from its point of origin. (If branch circuit is installed in a metallic raceway GFCI protection may be provided at outlet).
7. Ensure the electrical system is capable of being secured (in a lockable manner) and when unsecured is under constant supervision by the responsible agent or electrical contractor. Locking the electrical service disconnect or the room containing the electrical service can satisfy this requirement. If the service is in an open area all doors entering the area or building shall be provided with locks.

8. Provide signage at entrance of building and electrical service room (if provided) to alert all personnel of the energized electrical system. (This signage can be field fabricated, recommend handwriting is legible from a distance of ten feet.)
9. At time of inspection notify the code enforcement official of all panels and branch circuits requested to be energized..
10. Ensure only those approved panel-boards or circuits agreed upon at time of inspection are energized.

Mechanical Contractor Responsibility

Prior to requesting an inspection for a temporary heat verify the following:

1. Verify with Permit specialist that the appropriate application for service agreement has been signed.
2. All heating units to be placed in operation shall have the following items inspected for compliance if applicable.
  - a. Vent system (Products of combustion)
  - b. Appropriate amount of combustion air is provided.
  - c. Gas lines shall be pressure tested and inspected.
  - d. Water lines shall be pressure tested and inspected if geothermal or coil supplied by a hot water heater.
  - e. Condensate traps and lines in place and inspected.
  - f. Electrical circuits installed with appropriate disconnect, over-current, equipment grounding, conductors and raceways.
  - g. Refrigeration lines shall be inspected with appropriate pressure certification tests.
3. All gas tubing shall be labeled per gas code prior to temporary heat inspection.
4. Approved temporary electrical power is a prerequisite for temporary heat. (This can be scheduled simultaneously with temporary heat.)
5. Upon completion of inspection record all mechanical units approved to be placed in operation.
6. Notify responsible agents to request additional inspections prior to placing additional units in operation.