



Iredell County Code Enforcement

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Document requirements for plan review submittal

Three complete sets of sealed and signed drawings must be submitted for review. Two sets of drawings are to be submitted to the Code Enforcement plans submittal office along with a copy of the project's zoning approval. The third set of drawings must be taken to the Fire Marshall who has jurisdiction over the project. Plans submitted must be drawn to scale and include all drawings necessary for a thorough code review. The plans shall include a completed "Building Code Summary" (appendix "B") on the first or second sheet and must contain the following:

Civil/Site Plans: Include all parking showing handicap spaces and aisles, accessible routes and accessible elements such as curb cuts, ramps, cross walks, and side walks. Also required are dimensioned location of buildings in relation to all property lines, transportation corridors, rights of ways, and other buildings. Site utilities including all associated fixtures and equipment must be shown as well as an erosion control plan showing the amount of acreage to be disturbed.

Architectural Plans: Include all necessary floor plans, elevations, sections, details and notes. Also required are all rated wall, floor, ceiling and roof details along with UL approved designs and numbers. Include door, window and wall finish schedules. Show all built in casework, counters and fixtures with details and elevations showing accessibility. Include structural drawings showing foundation plans, framing and details along with metal building drawings. Also provide rack and equipment layouts as well as seating and furniture layouts as necessary for exit studies.

Plumbing Plans: Include all supply and waste piping with sizes and show all fixtures. Also required are piping riser diagrams, plumbing fixture schedule, water heater details, pipe insulation values, gas piping layouts with sizes, plumbing installation details and plumbing notes.

Mechanical Plans: Include all HVAC equipment and associated piping and duct systems with sizes. Also required are equipment schedules, outside air quantities, duct insulation values, smoke detectors, condensate drains, installation details and mechanical notes.

Electrical Plans: Include all electrical equipment and fixtures for power distribution and lighting. Also required are an electrical riser diagram showing conduit and conductor sizes, panel schedules with breaker and conductor sizes and loads, service grounding detail, light fixture schedule, electrical equipment schedule, complete fire alarm plans with components and details, electrical installation details and electrical notes.

Sprinkler Plans: Include sprinkler layout and calculations if the building is to be sprinkled. Also required are site supply piping and equipment along with sprinkler details and sprinkler notes.

The above list is not meant to be all-inclusive and may vary for different projects. In addition to the plans and specifications, all of the required approval letters must also be submitted. These may include but are not limited to Zoning, Iredell County Health Department, Fire Marshall, Department of Insurance, NCDENR Erosion Control and Department of Facilities Services.