

## **Requirements For The Code Footprint Submittal**

[www.llr.state.sc.us/pol/architects/footprint.pdf](http://www.llr.state.sc.us/pol/architects/footprint.pdf)

### **I. GENERAL**

The Applicant shall provide to the Authorities Having Jurisdiction (AHJ), as part of the design review and approval process, a scaled .graphic-format submittal for every newly constructed building, new building addition, and every change in occupancy or significant building renovation. This submittal is called the "Code Footprint." The Code Footprint will record and map existing and proposed features and provide key performance information for the fire safety, life safety and means of egress features of the construction. When required by the review and approval processes of the specific AHJ, the Code Footprint shall be refined and submitted for review and approval by the AHJ during the design development process. The approved Code Footprint shall be prepared by the licensed design professionals of record for the project and included with the construction documents.

### **II. REASONS FOR CREATING A CODE FOOTPRINT**

- A code footprint is a document that is specifically intended to show non-structural design elements of a building or structure. It contains a simplified floor plan and narrative information.
- The Code Footprint goes beyond traditional drawings as a communications tool, and there are some fundamental elements which it should contain to be useful. It has been proven to be useful to a broad range of people who may be involved with a building throughout its entire life span-from conceptual design to demolition.
- As a communications tool, it provides code information in a form understood by those not skilled in reading construction drawings. The Code Footprint can be used by the building owner/operator to maintain means of egress components and other fire protection systems such as fire rated barrier assemblies and fire alarm and sprinkler systems.
- It encourages better communications among fire and building code enforcers by providing a common communications medium.
- It has also been useful for inspections of existing facilities, providing a road map to guide the inspector directly to the elements of interest. This increases the inspector's efficiency and minimizes negative impact on the building operations and the owner/operator.
- The code footprint improves upon and formalizes the "Basic Building Information" requirement of the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) which they use to quickly and effectively evaluate the means of egress and fire protection features of healthcare facilities.

### **III. CODE FOOTPRINT MINIMUM REQUIREMENTS**

#### **Schematic Floor Plan:**

1. Graphic bar scale
2. North indicator
3. Complete building floor plan with clear identification of new, remodeled, and existing portions
4. All permanent partitions, with those less than 6 feet tall clearly indicating the height
5. Each room and space labeled with plain text, indicating the common use name
6. Occupant load of each area and total for each floor level in accordance with 2003 IBC Table 1003.2.2.2
7. Stair and shaft enclosures and ratings with identification of openings and ratings including design assembly numbers or fire resistance calculations
8. Rated corridors and openings with identification of openings and ratings including design assembly numbers or fire resistance calculations
9. Primary and Secondary Occupancies and occupancy separations, with ratings. Identify building areas which are Incidental per the 2003 IBC 302.1.1, Accessory per 302.2, Non-separated per 302.3.2, and Separated per 302.3.3.
10. Horizontal exit arrangements, exit passageways, smoke compartments

11. Designated required exterior exits and capacity
12. Fire department connections (hydrants, exterior hose connections, standpipes) and Fire Department access roads to building
13. Access to property and buildings
14. Power and fuels shut-off locations
15. Small scale site plan when available
16. Distances to exposures, other buildings/structures on the same property, and property lines
17. Grade elevation at each corner
18. Any special hazards or conditions
19. Location of any planned additions
20. Location of automatic sprinkler systems and State Fire Marshal's Sprinkler System Specification Sheet
21. Location of fire alarm and detection systems, pull stations and smoke detectors, including battery and voltage calculations
22. Location of exit lights and emergency lighting

**Narrative Description:**

1. Project construction purpose: New, addition, change in use, renovation or other
2. Reason for submittal: Building permit & certificate of occupancy, new licensure or Plan of Correction for existing code deficiencies
3. Codes of record and other requirements or regulations
4. Building location or address
5. Agency and facility name
6. Date developed and revision dates
7. Designer's information (name address and phone number)
8. Designer's seal (RA or PE)
9. Name of responding fire services
10. Occupancy type (s)
11. Type of construction
12. Total floor area of each occupancy, actual versus allowable
13. Structural code requirements such as:
  - height and area limitations, actual versus allowable
  - design loads and information per IBC 1603.1, including earthquake design data per 1603.1.5 to be used with 1621 to determine compliance with the 2002 Edition of NFPA 13-9.3 and 2003 IBC 903.3.5.2
  - structural fire ratings, actual versus allowable
14. Identification of active fire protection features such as:
  - type of automatic suppression systems and locations
  - fire alarm and detection systems
  - emergency lighting and power features
  - Smoke control system decision matrix
15. Hazardous Materials identified by the fire code hazard class
  - Storage
    - Inside
    - Outside
  - Use-open systems
    - Inside
    - Outside
  - Use-closed systems
    - Inside
    - Outside
16. Water supply requirements of the facility for fire suppression
17. Alternative design and/or methods of construction
18. Approved modifications of code with approval documents attached