

## KANSAS STATE FIRE MARSHAL CODE FOOTPRINT REQUIREMENTS

### WHEN IS A CODE FOOTPRINT REQUIRED

A code footprint shall be prepared for all new buildings, new additions, and changes in occupancy, or building renovation

### WHAT OCCUPANCIES REQUIRE A CODE FOOTPRINT

A code footprint shall be submitted to the state fire marshal for review and acceptance for the following Occupancies.

**Group A:** Assembly having a combined occupant load in excess of 2,000 persons.

**Group B:** Business used at any community college, area vocational school, vocational technical school, technical college, or any institution under the governance of the state board of regents.

**Group A:** Assembly mixed with educational or institutional

Group E: Educational, including any day care facility for more than 24 persons.

**Group I:** Institutional, including any state or other governmental entity's detention facilities, and any occupancy physically attached to a group I occupancy regardless of fire barrier separation.

**Group R-1 or R-2:** Residential that is three or more stories in height, including basements, or more than 12,000 square feet in area.

**Group R-4:** Residential occupancy

### CODE FOOTPRINT SUBMITTAL REQUIREMENTS:

In order to get your submittal reviewed by a Certified Plan Reviewers you must submit the following:

- 11" x 17" reduction of the full-sized drawing
- C.2.2
- C.2.2.A

The C.2.2 and C.2.2.A can be found on our webpage. <https://firemarshal.ks.gov/>

You may submit your information electronically please send to [prevention@ks.gov](mailto:prevention@ks.gov) . When submitting electronically, you must submit in a pdf format, as we do not have all the various programs/software used for design. Call the main office to obtain an email address (785) 296-3401.

## **SUBMITTAL TIMEFRAMES:**

The Kansas State Fire Marshal's Office has 30 days to review your code footprint for compliance with all the state adopted codes and regulations. This 30-day period starts from the date that we receive a complete submittal. Incomplete submittals will not be reviewed by a Certified Plan Reviewers.

We review submittals in the order that they are received. You must plan accordingly and submit your information well in advance of any critical deadlines.

We will NOT do an emergency review or place your submittal ahead of others. Everyone has deadlines and more importantly our staff needs time to be able to sit down and accurately review the information. Often a "hurried" review lends itself to errors.

## **Kansas State Fire Marshal – Fire Prevention Division**

### **REQUIRED ON CODE FOOTPRINT**

- (1) Graphic bar scale;
- (2) North directional indicator;
- (3) Complete building floor plan, with clear identification of new, remodeled, and existing (Shading);
- (4) Identification of all permanent partitions taller than six feet;
- (5) Label with plain text, keynotes, or legends for each room and space;
- (6) Occupant load of assembly rooms and total occupant load for each floor level;
- (7) Stair and shaft enclosures: openings and ratings;
- (8) Corridors: Openings and ratings;
- (9) Occupancy and area separations identified;
- (10) Horizontal exit arrangements, exit passageways, and smoke compartments identified;
- (11) Exterior exits and exit capacity identified;
- (12) Location of the central fire alarm control panel and any remote annunciator panels;
- (13) Location of each fire department supply connection;
- (14) Location of fire department access roads and fire hydrants;
- (15) Property line distance and exposures;
- (16) Special hazards or conditions identified; and
- (17) Location of any anticipated future additions (dotted lines)

### **REQUIRED ON CODE FOOTPRINT ANALYSIS**

- (1) Project construction purpose: new, addition, change in use, renovation, or other;
- (2) Reason for submittal: new construction, new licensure, certificate of occupancy, or plan of correction for existing code deficiencies;
- (3) Building street address, city, state, zip code;
- (4) Owner name, address, city, state, zip code, phone and fax number;
- (5) Designer name, address, city, state, zip code, phone and fax number;
- (6) Designer's seal (RA or PE);
- (7) Date developed and any revision dates;
- (8) Code or codes used;
- (9) Name of the responding fire service;
- (10) Name of the local building inspection department, if available;
- (11) Each occupancy group and type;
- (12) Type of construction;
- (13) Structural code requirements, including the following:
  - (A) The total floor area of each occupancy, both actual and allowable;
  - (B) height and area limitations, both actual and allowable; and
  - (C) structural fire ratings\*\*, both actual and allowable ;
- (14) Active fire safety features, including the following:

- (A) The type of automatic suppression systems and locations;
- (B) the fire alarm signaling system;
- (C) emergency lighting and power features; and
- (D) the smoke control system;
- (15) Water supply requirements of the facility for fire suppression; and
- (16) Alternative methods of design or construction, or both.

**\*\*Structural Fire Protection Ratings**

Interior bearing walls, Exterior bearing walls, Exterior nonbearing walls, Structural frame, Permanent partitions, Shaft enclosures, Floors, Roofs, Exterior openings, Proposed UL, FM, or other fire assembly numbers (if available)

## **WHEN DO I NEED TO GET AN ENGINEER OR AN ARCHITECT?**

The law requires a Kansas licensed architect or engineer to design projects and systems meeting specific criteria in the State of Kansas.

The services of a Kansas licensed architect are required when:

- Designing new buildings (Excluding single family dwellings & farm buildings)
- Designing changes to existing buildings which affect structural components
- Designing changes to existing buildings which affect the fire resistive qualities of the structure

### **A Kansas licensed professional engineer is required when:**

- Design or modification of fire detection
- Design or modification of automatic sprinkler system
- Design or modification of automatic smoke detectors system
- Design or modification of flammable gas detection systems
- Design or modification of liquefied petroleum gas systems

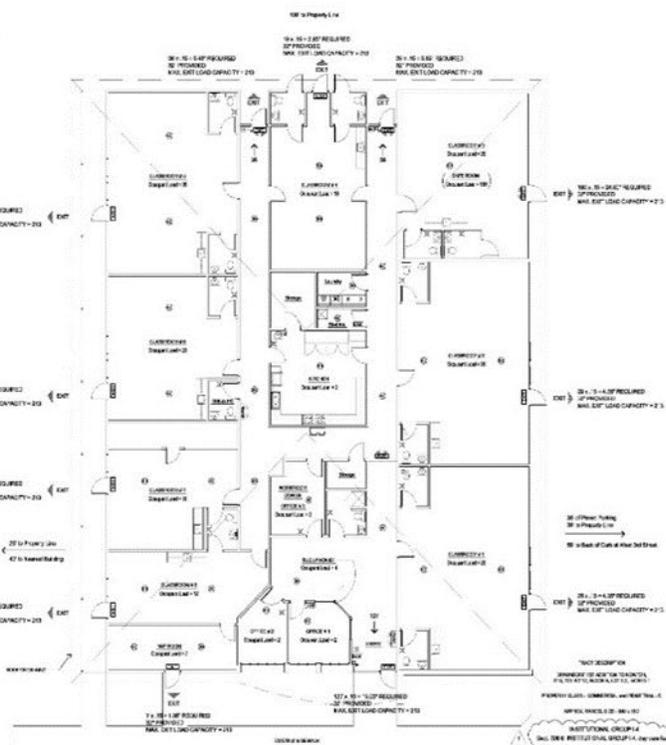
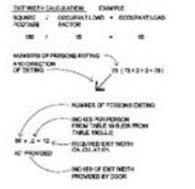
The involvement of an architect or engineer in the design stage reduces the chance that a safety related code violation will be identified during construction and also reduces the delay and expense of correcting any safety problems before an occupancy permit can be granted.

Before hiring a Kansas licensed architect or engineer be sure you do some research and ask some important questions such as:

- 1.) Are they familiar with K.A.R 22-1-7 regarding code footprint submittals?
- 2.) Are they designing to the editions adopted by the Office of the State Fire Marshal?
- 3.) What are their timelines for acceptance?
- 4.) Who do they hire to do the construction work?
- 5.) What is their construction warranty?

# Sample of a Code Footprint:

- PROJECT INFORMATION**
- 1. PROJECT CONSTRUCTION ALLOWANCE
  - 2. CITY OF NEWTON CONSTRUCTION CHARGE OR DISCOUNT
  - 3. REASON FOR SUBMITTAL
  - 4. NEW CONSTRUCTION
  - 5. REVISIONS
  - 6. PERMITS REQUIRED
  - 7. PERMITS REQUIRED
  - 8. PERMITS REQUIRED
  - 9. PERMITS REQUIRED
  - 10. PERMITS REQUIRED
  - 11. PERMITS REQUIRED
  - 12. PERMITS REQUIRED
  - 13. PERMITS REQUIRED
  - 14. PERMITS REQUIRED
  - 15. PERMITS REQUIRED
  - 16. PERMITS REQUIRED
  - 17. PERMITS REQUIRED
  - 18. PERMITS REQUIRED
  - 19. PERMITS REQUIRED
  - 20. PERMITS REQUIRED
  - 21. PERMITS REQUIRED
  - 22. PERMITS REQUIRED
  - 23. PERMITS REQUIRED
  - 24. PERMITS REQUIRED
  - 25. PERMITS REQUIRED
  - 26. PERMITS REQUIRED
  - 27. PERMITS REQUIRED
  - 28. PERMITS REQUIRED
  - 29. PERMITS REQUIRED
  - 30. PERMITS REQUIRED
  - 31. PERMITS REQUIRED
  - 32. PERMITS REQUIRED
  - 33. PERMITS REQUIRED
  - 34. PERMITS REQUIRED
  - 35. PERMITS REQUIRED
  - 36. PERMITS REQUIRED
  - 37. PERMITS REQUIRED
  - 38. PERMITS REQUIRED
  - 39. PERMITS REQUIRED
  - 40. PERMITS REQUIRED
  - 41. PERMITS REQUIRED
  - 42. PERMITS REQUIRED
  - 43. PERMITS REQUIRED
  - 44. PERMITS REQUIRED
  - 45. PERMITS REQUIRED
  - 46. PERMITS REQUIRED
  - 47. PERMITS REQUIRED
  - 48. PERMITS REQUIRED
  - 49. PERMITS REQUIRED
  - 50. PERMITS REQUIRED



- SYMBOL SCHEDULE**
- 1. Exit
  - 2. Exit
  - 3. Exit
  - 4. Exit
  - 5. Exit
  - 6. Exit
  - 7. Exit
  - 8. Exit
  - 9. Exit
  - 10. Exit
  - 11. Exit
  - 12. Exit
  - 13. Exit
  - 14. Exit
  - 15. Exit
  - 16. Exit
  - 17. Exit
  - 18. Exit
  - 19. Exit
  - 20. Exit
  - 21. Exit
  - 22. Exit
  - 23. Exit
  - 24. Exit
  - 25. Exit
  - 26. Exit
  - 27. Exit
  - 28. Exit
  - 29. Exit
  - 30. Exit
  - 31. Exit
  - 32. Exit
  - 33. Exit
  - 34. Exit
  - 35. Exit
  - 36. Exit
  - 37. Exit
  - 38. Exit
  - 39. Exit
  - 40. Exit
  - 41. Exit
  - 42. Exit
  - 43. Exit
  - 44. Exit
  - 45. Exit
  - 46. Exit
  - 47. Exit
  - 48. Exit
  - 49. Exit
  - 50. Exit

**FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH

FOR CONSTRUCTION:	
DATE	REV
PRINTS ISSUED	
DATE	NO.
<b>PLUTNAM ARCHITECTURE</b> JAMES C. PLUTNAM, AIA HUTCHINSON, KS 67502 PHONE (316) 963-4306	
05/31/18	
<b>FAMILY FIRST CHILD CARE</b> 215 North Meridian Road Newton, Kansas 67114	
DRAWN	CHECKED
PROJECT NUMBER: 18030 <b>CODE COMPLIANCE PLAN</b> SHEET TITLE SHEET NUMBER <b>CC1.0</b> OF 06/28	