



Fire Marshal Division

September 11, 2019

**RE: Harnett County DSS Addition
311 W. Cornelius Harnett Blvd.
Lillington, NC 27546**

Re: Application Number – FMFW1908-0010

To Whom It May Concern,

Thank you for submitting plans for the new building addition. The plans have been reviewed by a qualified code enforcement official for compliance with the North Carolina Fire Prevention code and all other fire protection regulations. The following are items that will need to be addressed before a final inspection of this project can be completed. The items are listed and described below.

- **505.1 Physical Address**
 - The physical address of the building shall be posted in a conspicuous place so that it can be seen on approach from the road, access road, and/or parking lot.
 - The numbers used to make up the physical address shall be at least 5 inches in height.
- **906.1 Fire Extinguishers**
 - Fire extinguishers shall be placed in approved locations and may be field verified on final inspection. The fire extinguishers provided shall have a minimum rating of 2A 10 B: C.
 - Fire extinguisher shall be installed not to exceed 75' distance of travel.
- **1006.1 / 1006.2 Emergency Illumination**
 - Emergency illumination is required to meet minimum foot candle illumination for all portions of the means of egress, including the exit discharge.
- **1011 Exit Signs**
 - Exit signs shall be installed at all required exits. Exit signs shall meet all provisions of chapter 10.



- **506.1 Knox Box**
 - A Knox box is required to be installed on the building.
 - An application /order form has been attached to the review comments.
 - <https://www.knoxbox.com/commercial-knox-boxes/>

- **1008.1.10 Panic and fire exit hardware.**
 - Doors serving a Group H occupancy and doors serving rooms or spaces with an *occupant load* of 50 or more in a Group A or E occupancy shall not be provided with a latch or lock unless it is panic hardware or *fire exit hardware*.

- **907.4.1 Duct Smoke detectors.**
 - Smoke detectors installed in ducts shall be listed for the air velocity, temperature and humidity present in the duct. Duct smoke detectors shall be connected to the building's fire alarm control unit when a fire alarm system is required by Section 907.2. Activation of a duct smoke detector shall initiate a visible and audible supervisory signal at a constantly attended location and shall perform the intended fire safety function in accordance with this code and the International Mechanical Code. Duct smoke detectors shall not be used as a substitute for required open area detection.

- **907.1.2 Fire Alarm System Shop Drawings**
 - Shop drawings from the licensed installing contractor shall be submitted prior to work beginning.
 - A rough in inspection is required.
 - A final acceptance test is required. (100%)

- **901.6.1 Sprinkler System Shop Drawings**
 - Sprinkler system shop drawings shall be submitted by the installing contractor prior to work beginning.
 - A rough in inspection is required.
 - A final acceptance test is required.

-

- **Notes**
 - Please clarify the existing building's design occupant load utilizing the stairwell as an exit, and the main exit level discharge being utilized for the new addition. While occupant loads are shown for the addition, calculation of totals based on the existing building are not shown.



- Please contact the Fire marshal's office to schedule fire final inspection when work is complete, 910-893-0742

Thank you again for your submission of plans for the new building. These remarks are for the plans that were submitted and its original intent. If you have any questions, please do not hesitate to contact me. We look forward to working with you during the construction period.

Sincerely,



D. Banks Wallace
Chief Deputy Fire Marshal