



## Fire Marshal Division

December 13, 2018

Santhosh Nemuri  
919-757-4181

**RE: Harnett Central Crossing Foodmart  
4858 NC Hwy 210 N  
Lillington, NC 27546**

**Re: Application Number – BCOM1812-0005**

To Whom It May Concern,

Thank you for submitting plans for the gas station/foodmart. 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.
  
- **506.1 Knox Box**
  - A Knox box is required to be installed on the building.
    - <https://www.knoxbox.com/store/productConfigurator.cfm?sku=3261>
  
- **605.3.1 Labeling.**
  - Doors into electrical control panel rooms shall be marked with a plainly visible and legible sign stating ELECTRICAL ROOM or similar approved wording. The disconnecting means for each service, feeder or branch circuit originating on a switchboard or panel board shall be legibly and durably marked to indicate its purpose unless such purpose is clearly evident. Doors into electrical control panel rooms shall be marked with a plainly visible and legible sign stating ELECTRICAL ROOM or similar



approved wording. The disconnecting means for each service, feeder or branch circuit originating on a switchboard or panel board shall be legibly and durably marked to indicate its purpose unless such purpose is clearly evident.

- **904.2.1 Commercial hood and duct systems.**
  - Each required commercial kitchen exhaust hood and duct system required by Section 609 to have a Type I hood shall be protected with an *approved* automatic fire-extinguishing system installed in accordance with this code.
    - An additional permit is required for kitchen hood suppression system.
      - Provide shop drawings and cut sheets.
  
- **904.11 Commercial cooking systems.**
  - The automatic fire-extinguishing system for commercial cooking systems shall be of a type recognized for protection of commercial cooking equipment and exhaust systems of the type and arrangement protected. Pre-engineered automatic dry- and wet-chemical extinguishing systems shall be tested in accordance with UL 300 and *listed* and *labeled* for the intended application. Other types of automatic fire-extinguishing systems shall be *listed* and *labeled* for specific use as protection for commercial cooking operations. The system shall be installed in accordance with this code, its listing and the manufacturer's installation instructions. Automatic fire-extinguishing systems of the following types shall be installed in accordance with the referenced standard indicated, as follows:
    1. Carbon dioxide extinguishing systems, NFPA 12.
    2. *Automatic sprinkler systems*, NFPA 13.
    3. Foam-water sprinkler system or foam-water spray systems, NFPA 16.
    4. Dry-chemical extinguishing systems, NFPA 17.
    5. Wet-chemical extinguishing systems, NFPA 17A.
      - Exception:** Factory-built commercial cooking recirculating systems that are tested in accordance with UL 710B and *listed, labeled* and installed in accordance with Section 304.1 of the *International Mechanical Code*.
  
- **904.11.5 Portable fire extinguishers for commercial cooking equipment.**
  - Portable fire extinguishers shall be provided within a 30-foot (9144 mm) travel distance of commercial-type cooking equipment. Cooking equipment involving solid fuels or vegetable or animal oils and fats shall



be protected by a Class K rated portable extinguisher in accordance with Sections 904.11.5.1 or 904.11.5.2, as applicable.

- **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.
  - A 2A 10B: C shall be installed not to exceed 75' distance of travel from motor fuel dispensing equipment.
  
- **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
  
- **Notes**
  - A set of construction documents will be required prior to approval including a life safety plan.
  - Fixed fire suppression system will require additional permit.
  - Please contact the Fire marshal's office to schedule fire suppression acceptance testing, UGST, underground piping and fire final inspection when work is complete.
  - Harnett County Fire Marshal's Office 910-984-4003

Please review the plans and adhere to any notes and alterations that were made in addition to the original designed plans. 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