(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

(Reproduce the following data on the building plans sheet 1 or 2)

| Name of Project: Existing Food Lion Grocery Store #1237 Address: _133 Mittie Haddock Dr, Cameron, NC Owner/Authorized Agent: Phone # () Owned By: City/County | E-Mail State |
|---|--|
| Code Emoleciment Jurisdiction. A City of Carrier of County | State |
| CONTACT: | |
| DESIGNER FIRM NAME LICENSE # Architectural Interplan PLLC Laurel R Martin 15181 Civil NA Electrical Interplan PLLC Stacy Henson 43636 | (407)645-5008 <u>LMartin@inter</u> planllc.com |
| Fire Alarm NA Plumbing Interplan PLLC Stacy Henson 43636 Mechanical NA | |
| Sprinkler-Standpipe NA Structural Higgenbotham Eng. Harold Higgenbotham 033075 Retaining Walls >5' High NA Other NA | () |
| ("Other" should include firms and individuals such as truss, precast, pre-engine | eered, interior designers, etc.) |
| 2018 NC BUILDING CODE: New Building Addition X Response Time Interior Completion Shell/Core - Contact the local inspection procedures and requirements Phased Construction - Shell/Core- Contact possible additional procedures and requirements | et the local inspection jurisdiction for |
| 2018 NC EXISTING BUILDING CODE: EXISTING: Alteration: Historic Prope | Level II Level III |
| • | CY(S) (Ch. 3): Merchantile |
| RENOVATED: (date) PROPOSED OCCUPANO | CY(S) (Ch. 3): Merchantile |
| RISK CATEGORY (Table 1604.5): Current: I X II II Proposed: I X II II | |
| | n jurisdiction for additional |

Gross Building Area Table FLOOR EXISTING (SQ FT) NEW (SQ FT) SUB-TOTAL 3rd Floor N/A 2nd Floor N/A Mezzanine N/A 1st Floor 33,826 G.S.F. Basement N/A 33,826 G.S.F TOTAL ALLOWABLE AREA **Primary Occupancy Classification(s):** \square A-1 \square A-2 \square A-3 \square A-4 \square A-5 Assembly Business Educational ☐ F-1 Moderate ☐ F-2 Low Factory Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM \square I-2 Condition \square 1 \square I-3 Condition \square 1 \square 2 \square 3 \square 4 \square 5 ☐ I-4 Mercantile X Residential R-1 R-2 R-3 R-4 ☐ S-1 Moderate ☐ S-2 Low High-piled Storage Parking Garage Open Enclosed Repair Garage Utility and Miscellaneous Accessory Occupancy Classification(s): N/A **Incidental Uses** (Table 509): N/A Special Uses (Chapter 4 – List Code Sections): N/A Special Provisions: (Chapter 5 – List Code Sections): N/A **Mixed Occupancy:** x No ☐ Yes Separation: Hr. Exception: Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building. Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1. Actual Area of Occupancy A + Actual Area of Occupancy B Allowable Area of Occupancy A Allowable Area of Occupancy B N/A____ + = ____ < 1.00

| STORY | DESCRIPTION AND | (A) | (B) | (C) | (D) |
|-------|-----------------|----------------|-----------------|-------------------------|-----------------------------------|
| NO. | USE | BLDG AREA PER | TABLE 506.2^4 | AREA FOR FRONTAGE | allowable area Per |
| | | STORY (ACTUAL) | AREA | INCREASE ^{1,5} | STORY OR UNLIMITED ^{2,3} |
| 1 | M | 33,826 | 12,500 | N/A | 50,000 |
| | | | | | |
| | | | | | |
| | | | | | |

¹ Frontage area increases from Section 506.3 are computed thus:

- a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
- b. Total Building Perimeter = _____(P)
- c. Ratio (F/P) = (F/P)
- d. W = Minimum width of public way = (W)
- e. Percent of frontage increase $I_f = 100[F/\overline{P} 0.25] \times W/30 =$ _____(%)
- ² Unlimited area applicable under conditions of Section 507.
- ³ Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).
- ⁴ The maximum area of open parking garages must comply with Table 406.5.4.

ALLOWABLE HEIGHT

| | ALLOWABLE | SHOWN ON PLANS | CODE REFERENCE ¹ |
|---|-----------|----------------------|-----------------------------|
| Building Height in Feet (Table 504.3) ² | 75'-0" | Existing - No Change | Table 503 |
| Building Height in Stories (Table 504.4) ³ | 3 | 1 | Table 503 |

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

² The maximum height of air traffic control towers must comply with Table 412.3.1.

³ The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

| BUILDING ELEMENT | FIRE SEPARATION DISTANCE (FEET) | REQ'D | RATING PROVIDED (W/* REDUCTION) | DETAIL # AND SHEET # | DESIGN # FOR RATED ASSEMBLY | SHEET # FOR RATED PENETRATION | SHEET # FOR RATED JOINTS |
|---|--|-------|------------------------------------|----------------------|-----------------------------|-------------------------------------|-----------------------------------|
| Structural Frame, including columns, girders, trusses | <u>≥</u> 30 | 0 | ≥30 | - | - | - | - |
| Bearing Walls | - | | | - | - | - | - |
| Exterior | - | | | - | - | - | - |
| North | - | 0 | 0 | - | - | - | - |
| East | - | 2 | 2 | - | - | - | - |
| West | - | 2 | 2 | - | - | - | _ |
| South | - | 0 | 0 | - | - | - | _ |
| Interior | = | 0 | 0 | _ | - | - | _ |
| Nonbearing Walls and Partitions Exterior walls | - | | | - | - | - | - |
| North | ≥ 30 | 0 | 0 | _ | - | - | - |
| East | > 5 | 2 | 2 | _ | - | _ | - |
| West | > 5 | 2 | 2 | _ | - | _ | - |
| South | > 30 | 0 | 0 | _ | - | _ | _ |
| | 0 | 0 | 0 | - | _ | - | _ |
| Interior walls and partitions | 0 | - | 0 | - | | - | |
| Floor Construction Including supporting beams and joists | 0 | 0 | 0 | - | - | - | - |
| Floor Ceiling Assembly | | | | _ | - | - | _ |
| Columns Supporting Floors | | | | | | | |
| Roof Construction, including supporting beams and joists | 0 | 0 | 0 | - | - | - | - |
| Roof Ceiling Assembly | | | | - | - | - | - |
| Columns Supporting Roof | | | | - | - | - | - |
| Shaft Enclosures - Exit | 0 | N/A | 0 | - | - | - | - |
| Shaft Enclosures - Other | 0 | N/A | 0 | - | - | - | - |
| Corridor Separation | 0 | N/A | 0 | - | - | - | - |
| Occupancy/Fire Barrier Separat | | N/A | 0 | - | - | - | - |
| Party/Fire Wall Separation | 0 | N/A | 0 | - | - | - | - |
| Smoke Barrier Separation | 0 | N/A | 0 | - | - | - | - |
| Smoke Partition | 0 | N/A | 0 | - | - | - | - |
| Tenant/Dwelling Unit/ Sleeping Unit Separation | 2 | N/A | 2 | - | - | - | - |
| Incidental Use Separation | 0 | N/A | 0 | - | - | - | - |

^{*} Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

| FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES | Degree of openings Protection (Table 705.8) | Allowable area (%) | ACTUAL SHOWN ON PLANS (%) |
|---|---|-----------------------|---------------------------|
| N/A | N/A | N/A | N/A |
| | | | |
| | | | |

| | LIFE SAFETY SYSTEM REQUIREMENTS | | | | | | | |
|--------|---|--|--|--|--|--|--|--|
| Em | ergency Lighting: No X Yes | | | | | | | |
| Exi | t Signs: No X Yes | | | | | | | |
| Fire | e Alarm: No X Yes | | | | | | | |
| Sm | oke Detection Systems: No X Yes Partial | | | | | | | |
| Car | bon Monoxide Detection: No X Yes | | | | | | | |
| | | | | | | | | |
| | LIFE SAFETY PLAN REQUIREMENTS | | | | | | | |
| Life S | Safety Plan Sheet #: G1.03 | | | | | | | |
| | · ———— | | | | | | | |
| | Fire and/or smoke rated wall locations (Chapter 7) | | | | | | | |
| 님 | Assumed and real property line locations (if not on the site plan) | | | | | | | |
| | Exterior wall opening area with respect to distance to assumed property lines (705.8) | | | | | | | |
| X | Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2) | | | | | | | |
| X | Occupant loads for each area | | | | | | | |
| X | Exit sign locations (1013) | | | | | | | |
| X | Exit access travel distances (1017) | | | | | | | |
| X | Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1)) | | | | | | | |
| ᆜ | Dead end lengths (1020.4) | | | | | | | |
| X | Clear exit widths for each exit door | | | | | | | |
| X | Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3) | | | | | | | |
| X | Actual occupant load for each exit door | | | | | | | |
| | A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for | | | | | | | |
| _ | purposes of occupancy separation | | | | | | | |
| X | Location of doors with panic hardware (1010.1.10) | | | | | | | |
| X | X Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) | | | | | | | |
| | Location of doors with electromagnetic egress locks (1010.1.9.9) | | | | | | | |
| | Location of doors equipped with hold-open devices | | | | | | | |
| | Location of emergency escape windows (1030) | | | | | | | |
| | The square footage of each fire area (202) | | | | | | | |
| | The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) | | | | | | | |
| | Note any code exceptions or table notes that may have been utilized regarding the items above | | | | | | | |

ACCESSIBLE DWELLING UNITS

(SECTION 1107)

| UNIT CLASSIFICATION | TOTAL UNITS | ACCESSIBLE UNITS REQUIRED | Accessible Units Provided | TYPE A UNITS REQUIRED | TYPE A UNITS PROVIDED | TYPE B Units Required | TYPE B Units Provided | TOTAL ACCESSIBLE UNITS |
|------------------------|----------------|---------------------------------|---------------------------------|-----------------------|-----------------------|-----------------------------|-----------------------------|------------------------------|
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | PROVIDED N/A |
| 14/71 | 11/71 | 14/7 | 14/71 | 14/71 | 14/71 | 14/71 | 14/74 | |
| | | | | | | | | |
| | | | | | | | | |

ACCESSIBLE PARKING

(SECTION 1106)

| LOT OR PARKING AREA | TOTAL # OF PA | RKING SPACES | # OF ACCESSIBLE S | SPACES PROVIDED | TOTAL # ACCESSIBLE |
|---------------------|---------------|--------------|-------------------|-----------------|--------------------|
| | REQUIRED | PROVIDED | 96" SPACES | 132" SPACES | PROVIDED |
| | | | | | |
| Existing Parking | 170 | 206 | 7 | 2 | 9 |
| | | | | | |
| | | | | | |
| | | | | | |
| TOTAL | | | | | |

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

| | U | JSE | WATER CLOSETS | | URINALS | LAVATORIES | | SHOWERS | DRINKING | FOUNTAINS | | |
|-----|-----|---------|---------------|--------|---------|------------|------|---------|----------|-----------|---------|------------|
| | | | MALE | FEMALE | UNISEX | | MALE | FEMALE | UNISEX | /TUBS | REGULAR | ACCESSIBLE |
| SPA | .CE | EXIST'G | 1 | 2 | - | 1 | 2 | 2 | - | ı | 2 | 1 |
| | | NEW | - | - | - | - | - | - | - | - | • | - |
| | | REQ'D | 1 | 1 | - | - | 1 | 1 | - | 1 | 1 | 1 |

SPECIAL APPROVALS

| Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below) | |
|---|--|
| | |
| | |

ENERGY SUMMARY

| ENERGY REQUIREMENTS |
|---------------------|
|---------------------|

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

| proposed design. | Existing No Change |
|---|--|
| Existing building envelope comp | lies with code: No Yes (The remainder of this section is not applicable) |
| Exempt Building: No | Yes (Provide code or statutory reference): |
| Climate Zone: 3A | □ 4A □ 5A |
| Method of Compliance: | Energy Code Performance X Prescriptive ASHRAE 90.1 Performance Prescriptive (If "Other" specify source here) |
| THERMAL ENVELOPE (Presci | riptive method only) |
| Roof/ceiling Assembly (| each assembly) |
| | assembly: 06 Provided; .09 required ation: R17 Provided; R11 required |
| Exterior Walls (each ass | • • |
| U-Valu Solar ho projecti | assembly: .05 nom 2" air space, 1/2" gyp sheathing. |
| Walls below grade (each | • • |
| Description of as U-Value of total R-Value of insul | assembly: n/a |
| Floors over uncondition | |
| Description of as U-Value of total R-Value of insul | assembly: n/a |
| Floors slab on grade | |
| Description of as U-Value of total R-Value of insul Horizontal/vertice slab heated: | assembly: .09 ation: r-11 |
| | |

STRUCTURAL DESIGN

(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

| DESIGN | LOA | ADS: |
|--------|-----|------|
|--------|-----|------|

| Importance Factors: | $\begin{array}{ccc} \text{Snow} & (I_s) & \underline{1.0} \\ \text{Seismic} & (I_E) & \underline{1.0} \end{array}$ |
|---|--|
| Live Loads: | $ \begin{array}{ccc} \text{Roof} & \underline{20} & \text{psf} \\ \text{Mezzanine} & \underline{\text{N/A}} & \text{psf} \\ \text{Floor} & \underline{100} & \text{psf} \\ \end{array} $ |
| Ground Snow Load: | psf |
| | posure Category C mph (ASCE-7) |
| SEISMIC DESIGN CATEGOR | Y: A B C D |
| Provide the following Seismic Des Risk Category (Table 16 Spectral Response Acce | 04.5) |
| Site Classification (ASC Data So | |
| Basic structural system | Bearing Wall |
| Analysis Procedure: | Simplified X Equivalent Lateral Force Dynamic |
| Architectural, Mechanic | cal, Components anchored? X Yes No |
| LATERAL DESIGN CONTROL | L: Earthquake X Wind |
| SOIL BEARING CAPACITIES Field Test (provide copy Presumptive Bearing cap Pile size, type, and capac | of test report) N/A psf acity psf |

MECHANICAL DESIGN (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY EXISTING- NO CHANGE

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

| Thermal Zone | |
|---|-----|
| winter dry bulb: 22 | |
| summer dry bulb: 96 | |
| | |
| Interior design conditions | |
| winter dry bulb:68 | |
| summer dry bulb: 75 | |
| relative humidity:50 | |
| | |
| Building heating load: | |
| Building cooling load: | |
| Mechanical Spacing Conditioning System | |
| Unitary | |
| description of unit: N/A | |
| heating efficiency: N/A | |
| cooling efficiency: | |
| size category of unit: | |
| Boiler | |
| Size category. If oversized, state reason.: | N/A |
| Chiller | |
| | |
| Size category. If oversized, state reason.: | N/A |

ELECTRICAL DESIGN (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT **Method of Compliance:** Energy Code Performance X Prescriptive ASHRAE 90.1 ☐ Performance Prescriptive **Lighting schedule** (each fixture type) lamp type required in fixture number of lamps in fixture ballast type used in the fixture number of ballasts in fixture total wattage per fixture total interior wattage specified vs. allowed (whole building or space by space) total exterior wattage specified vs. allowed **Additional Efficiency Package Options** (When using the 2018 NCECC; not required for ASHRAE 90.1) C406.2 More Efficient HVAC Equipment Performance C406.3 Reduced Lighting Power Density C406.4 Enhanced Digital Lighting Controls C406.5 On-Site Renewable Energy

C406.6 Dedicated Outdoor Air System

C406.7 Reduced Energy Use in Service Water Heating