

2018 BUILDING CODE SUMMARY  
FOR ALL COMMERCIAL PROJECTS

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

NAME OF PROJECT: FOOD LION STORE #2250 TAX MAP NUMBER: 2713294955  
ADDRESS: 1555 E. UNION STREET CITY/STATE: MORGANTON, NC ZIPCODE: 28655  
PROPOSED USE: EXISTING GROCERY STORE  
OWNER/AUTHORIZED AGENT: FOOD LION CONSTRUCTION MANAGER Phone: (704) 633-8250 E-Mail: ----  
OWNED BY: ☐ City/County ☒ Private ☐ State  
CODE ENFORCEMENT JURISDICTION ☒ City MORGANTON ☐ County \_\_\_\_\_  
ZONING ENFORCEMENT JURISDICTION ☒ City MORGANTON ☐ County \_\_\_\_\_

LEAD DESIGN PROFESSIONAL: DENNIS E. YATES, AIA  
DESIGNER FIRM NAME LICENSE PHONE E-Mail  
ARCHITECTURAL: YCH ARCHITECTS DENNIS E. YATES, AIA 3437 (704) 788-2000  
CIVIL/SITE DEVELOPMENT: N/A  
ELECTRICAL: STURGILL ENGINEERING RANDALL W. STURGILL, PE 16871 (336) 238-1249  
FIRE ALARM: STURGILL ENGINEERING RANDALL W. STURGILL, PE 16871 (336) 238-1249  
PLUMBING: BOWERS CONSULTING MICHAEL D. BOWERS, PE 21539 (704) 630-0075  
MECHANICAL: BOWERS CONSULTING MICHAEL D. BOWERS, PE 21539 (704) 630-0075  
SPRINKLER-STANDPIPE: N/A  
STRUCTURAL: ARP ENGINEERING DUSTIN KIKER, PE 37429 (704) 225-0079  
RETAINING WALLS >5' HIGH: N/A  
OTHER: N/A

2018 NC BUILDING CODE ☐ NEW CONSTRUCTION ☐ ADDITION ☐ UPFIT  
EXISTING: ☐ RECONSTRUCTION ☒ ALTERATION ☐ REPAIR ☐ RENOVATION  
CONSTRUCTED: (Date) 2001 ORIGINAL USE(S)(Ch. 3): MERCANTILE  
RENOVATED: (Date) \_\_\_\_\_ CURRENT USE(S)(Ch. 3): MERCANTILE  
PROPOSED USE(S)(Ch. 3): MERCANTILE

BASIC BUILDING DATA:  
CONSTRUCTION TYPE: (check all that apply) ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A  
☐ I-B ☒ II-B ☐ III-B ☐ V-B  
SPRINKLERS: ☐ NO ☐ PARTIAL ☒ YES ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D  
STANDPIPES: ☒ NO ☐ YES CLASS ☐ I ☐ II ☐ III ☐ WET ☐ DRY  
FIRE DISTRICT: ☒ NO ☐ YES (Primary) FLOOD HAZARD AREA: ☒ NO ☐ YES  
BUILDING HEIGHT: (Feet) 37'-9"  
GROSS BUILDING AREA:  
FLOOR EXISTING (SQ FT) NEW (SQ FT) SUB-TOTAL (SQ FT)  
6th FLOOR \_\_\_\_\_  
5th FLOOR \_\_\_\_\_  
4th FLOOR \_\_\_\_\_  
3rd FLOOR \_\_\_\_\_  
2nd FLOOR \_\_\_\_\_  
MEZZANINE 2,005 SF 0 SF 2,005 SF  
1st FLOOR 42,100 SF 0 SF 42,100 SF  
BASEMENT \_\_\_\_\_  
TOTAL 44,105 SF 0 SF 44,105 SF

OCCUPANCY:  
ASSEMBLY ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5  
BUSINESS ☐  
EDUCATIONAL ☐  
FACTORY ☐ F-1 MODERATE ☐ F-2 LOW ☐ H-3 COMBUST ☐ H-4 HEALTH ☐ H-5 HPM  
HAZARDOUS ☐ H-1 DETONATE ☐ H-2 DEFLAGRATE ☐ H-3 COMBUST ☐ H-4 HEALTH ☐ H-5 HPM  
INSTITUTIONAL ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4 ☐ I-5  
I-3 CONDITION ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5  
MERCANTILE ☒  
RESIDENTIAL ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4  
STORAGE ☐ S-1 MODERATE ☐ S-2 LOW ☐ HIGH-PILED  
☐ PARKING GARAGE ☐ OPEN ☐ ENCLOSED ☐ REPAIR GARAGE  
UTILITY & MISCELLANEOUS ☐

ACCESSORY OCCUPANCIES:  
ASSEMBLY ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5  
BUSINESS ☐  
EDUCATIONAL ☐  
FACTORY ☐ F-1 MODERATE ☐ F-2 LOW ☐ H-3 COMBUST ☐ H-4 HEALTH ☐ H-5 HPM  
HAZARDOUS ☐ H-1 DETONATE ☐ H-2 DEFLAGRATE ☐ H-3 COMBUST ☐ H-4 HEALTH ☐ H-5 HPM  
INSTITUTIONAL ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4 ☐ I-5  
I-3 CONDITION ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5  
MERCANTILE ☐  
RESIDENTIAL ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4  
STORAGE ☐ S-1 MODERATE ☐ S-2 LOW ☐ HIGH-PILED  
☐ PARKING GARAGE ☐ OPEN ☐ ENCLOSED ☐ REPAIR GARAGE  
UTILITY & MISCELLANEOUS ☐

INCIDENTAL USES: (Table 508.2.5)  
☐ FURNACE ROOMS WHERE ANY PIECE IF EQUIPMENT IS OVER 400,000 BTU PER HOUR INPUT  
☐ ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HORSEPOWER  
☒ REFRIGERANT ROOMS  
☐ HYDROGEN CUTOFF ROOMS, NOT CLASSIFIED AS GROUP H  
☐ INCINERATOR ROOMS  
☐ PAINT SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN OCCUPANCIES OTHER THAN GROUP F  
☐ LABORATORIES AND VOCATIONAL SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN GROUP E OR I-2 OCCUPANCY  
☐ LAUNDRY ROOMS OVER 100 SQUARE FEET  
☐ GROUP I-3 CELLS EQUIPPED WITH PADDED SURFACES  
☐ GROUP I-2 WASTE AND LINEN COLLECTION ROOMS  
☐ WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET  
☐ STATIONARY STORAGE BATTERY SYSTEMS HAVING LIQUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS, OR A LITHIUM-ION LITHIUM-ION CAPACITY OF 1,000 POUNDS USED FOR FACILITY STANDBY POWER, EMERGENCY POWER, UNINTERRUPTED POWER SUPPLIES  
☐ ROOMS CONTAINING FIRE PUMPS  
☐ GROUP I-2 STORAGE ROOMS OVER 100 SQUARE FEET  
☐ GROUP I-2 COMMERCIAL KITCHEN  
☐ GROUP I-2 LAUNDRIES EQUAL TO OR LESS THAN 100 SQUARE FEET  
☐ GROUP I-2 ROOMS OR SPACES THAT CONTAIN FUEL-FIRED HEATING EQUIPMENT  
SPECIAL USES: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412  
☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424  
☐ 425 ☐ 426 ☐ 427  
SPECIAL PROVISIONS: ☒ NO ☐ YES  
MIXED OCCUPANCY: ☒ NO ☐ YES SEPARATION: \_\_\_\_\_ HR. EXCEPTION: \_\_\_\_\_  
☐ INCIDENTAL USE SEPARATION (508.2.5)  
☐ NON-SEPARATED MIXED OCCUPANCY (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 MIXED OCCUPANCY (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 \_\_\_\_\_ ≤ 1  
ALLOWABLE AREA OF OCCUPANCY A \_\_\_\_\_ + ALLOWABLE AREA OF OCCUPANCY B \_\_\_\_\_ = ≤ 1  
N/A + N/A = ≤ 1

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503* AREA	(C) AREA FOR OPEN INCREASE	(D) AREA FOR SPRINKLER INCREASE	(E) ALLOWABLE AREA OR UNLIMITED*	(F) MAXIMUM BUILDING AREA
MAIN LEVEL	MERCANTILE		12,500		37,500		

1. FRONTAGE AREA INCREASES FROM SECTION 506.2 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) = \_\_\_\_\_  
D. W = MINIMUM WIDTH OF PUBLIC WAY = \_\_\_\_\_ (W) (%)  
E. PERCENT OF FRONTAGE INCREASE  $I_f = 100(F/P - 0.25) \times W$  \_\_\_\_\_ (%)
2. THE SPRINKLER INCREASE PER SECTION 506.3 IS AS FOLLOWS:  
A. MULTI-STORY BUILDING  $I_s = 200$  PERCENT  
B. SINGLE STORY BUILDING  $I_s = 300$  PERCENT  
TABLE 503 ALLOWABLE AREA  $12,500 \times I_s = 37,500$
3. UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.  
4. MAX BLDG AREA = TOTAL NUMBER OF STORIES  $\times$  THE BUILDING  $\times$  E (506.4).  
5. THE MAXIMUM AREA OF OPEN PARKING SPACES MUST COMPLY WITH 406.3.5. THE MAXIMUM AREA OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH 412.3.1.

TYPE OF CONSTRUCTION	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
TYPE I-B	II-B		TYPE II-B	602.2
BUILDING HEIGHT IN FEET	55'-0"	FEET = H + 20' = 75'	FEET 37'-9"	504.2
BLDG. HEIGHT IN STORIES	2	STORIES + 1 = 3	STORIES 1	504.2

BUILDING ELEMENT	FIRE SEPARATION (DISTANCE FEET)	RATING REQ'D	PROVIDED (W/REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
STRUCTURAL FRAME INCLUDING JOISTS, ORDERS, TRUSSES		N/A	N/A	N/A	N/A	N/A	N/A
BEARING WALLS							
EXTERIOR							
NORTH	>10'-0"	N/A	N/A	N/A	N/A	N/A	N/A
EAST	>10'-0"	0	N/A	N/A	N/A	N/A	N/A
WEST	>10'-0"	0	N/A	N/A	N/A	N/A	N/A
SOUTH	>10'-0"	N/A	N/A	N/A	N/A	N/A	N/A
INTERIOR	>10'-0"	N/A	N/A	N/A	N/A	N/A	N/A
NON BEARING WALLS AND PARTITIONS							
EXTERIOR WALLS							
NORTH	>10'-0"	0	N/A	N/A	N/A	N/A	N/A
EAST	>10'-0"	N/A	N/A	N/A	N/A	N/A	N/A
WEST	>10'-0"	N/A	N/A	N/A	N/A	N/A	N/A
SOUTH	>10'-0"	0	N/A	N/A	N/A	N/A	N/A
INTERIOR WALLS & PARTITIONS		0	N/A	N/A	N/A	N/A	N/A
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS			N/A	N/A	N/A	N/A	N/A
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0	N/A	N/A	N/A	N/A	N/A
SHAFT ENCLOSURES - EXIT		N/A	N/A	N/A	N/A	N/A	N/A
SHAFT ENCLOSURES - OTHER		0	N/A	N/A	N/A	N/A	N/A
CORRIDOR SEPARATION		0	N/A	N/A	N/A	N/A	N/A
OCCUPANCY SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A
PARTY/FIRE WALL SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A
SMOKE BARRIER SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A
TENANT SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A
INCIDENTAL USE SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A

\*INDICATE SECTION NUMBER PERMITTING REDUCTION

LIFE SAFETY SYSTEM REQUIREMENTS:  
EMERGENCY LIGHTING: ☐ NO ☒ YES  
EXIT SIGNS: ☐ NO ☒ YES  
FIRE ALARM: ☐ NO ☒ YES  
SMOKE DETECTION SYSTEMS: ☐ NO ☒ YES ☐ PARTIAL \_\_\_\_\_  
PANIC HARDWARE: ☐ NO ☒ YES

LIFE SAFETY PLAN SHEET #: SEE SHEET G1.03 FOR EXISTING CONDITIONS. (PER 2018 NC BUILDING CODE)

N/A ☐ Fire and/or smoke rated wall locations (Chapter 7)  
N/A ☐ Assumed and real property line locations  
N/A ☐ Exterior wall opening area with respect to distance to assumed property line (705.8)  
NONE ☒ Existing structures within 30' of the proposed building  
☒ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)  
☒ Occupant load for each area  
☒ Exit access travel distances (1016)  
☒ Common path of travel distances (1014.3 & 1028.8)  
☒ Dead end lengths (1018.4)  
☒ Clear exit widths for each exit door  
☒ Maximum calculated occupant load capacity each door can accommodate based on egress width (1005.1)  
☒ Actual occupant load for each door  
N/A ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation  
☒ Location of doors with panic hardware (1008.1.10)  
☒ Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)  
N/A ☐ Location of doors with electromagnetic egress locks (1008.1.9.8)  
N/A ☐ Location of doors equipped with hold-open devices  
N/A ☐ Location of emergency escape windows (1029)  
N/A ☐ The square footage of each fire area (903)  
N/A ☐ The square footage of each smoke compartment (407.4)  
N/A ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)						
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED

ACCESSIBLE DWELLING UNITS (SECTION 1107)						
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED

ACCESSIBLE DWELLING UNITS (SECTION 1106)						
LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	PROVIDED	# OF ACCESSIBLE SPACES PROVIDED	REGULAR WITH 5' ACCESS AISLE	132" ACCESS AISLE	8" ACCESS AISLE

ACCESSIBLE DWELLING UNITS (SECTION 1106)						
LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	PROVIDED	# OF ACCESSIBLE SPACES PROVIDED	REGULAR WITH 5' ACCESS AISLE	132" ACCESS AISLE	8" ACCESS AISLE
TOTAL						

PLUMBING FIXTURE REQUIREMENTS						
USE		WATERCLOSETS 1:500				
566 TOTAL OCCUPANCY / 2 = 283		MALE	FEMALE	MALE	FEMALE	
SPACE		1	2	1	2	
EXISTING / PROVIDED		1	2	1	2	
NEW		1	1	0	1	
REQUIRED		1	1	0	1	

SPECIAL APPROVALS:  
SPECIAL APPROVAL: (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPI, ICC, ETC., DESCRIBE BELOW)  
NONE

DESIGN LOADS:  
IMPORTANCE FACTORS: WIND  $(W)$  \_\_\_\_\_  
SNOW  $(S)$  \_\_\_\_\_  
SEISMIC  $(E)$  \_\_\_\_\_  
LIVE LOADS: ROOF \_\_\_\_\_ PSF  
MEZZANINE \_\_\_\_\_ PSF  
FLOOR \_\_\_\_\_ PSF  
GROUND SNOW LOAD: \_\_\_\_\_ PSF  
WIND LOAD: BASIC WIND SPEED \_\_\_\_\_ PSF  
EXPOSURE CATEGORY \_\_\_\_\_  
WIND BASE SHEARS (FOR MWFRS)  $V_x$  \_\_\_\_\_  $V_y$  = \_\_\_\_\_

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ D  
PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:  
OCCUPANCY CATEGORY (TABLE 1604.5) ☐ I ☐ II ☐ III ☐ IV  
SPECTRAL RESPONSE ACCELERATION  $S_s$  \_\_\_\_\_  $S_1$  \_\_\_\_\_  
SITE CLASSIFICATION (TABLE 1813.5.2) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F  
DATA SOURCE: ☐ FIELD ☐ PRESUMPTIVE ☐ HISTORICAL DATA  
BASIC STRUCTURAL SYSTEM (CHECK ONE):  
☐ BEARING WALL  
☐ BUILDING FRAME  
☐ MOMENT FRAME  
☐ INVERTED PENDULUM  
SEISMIC BASE SHEAR:  $V_x$  = \_\_\_\_\_  
ANALYSIS PROCEDURE: ☐ SIMPLIFIED ☐ EQUIVALENT LATERAL FORCE ☐ MODAL  
ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS ANCHORED? ☐ YES ☐ NO  
LATERAL DESIGN CONTROL: EARTHQUAKE ☐ WIND ☐

SOIL BEARING CAPACITY:  
Field Test (provide copy of test report) \_\_\_\_\_ psf  
Presumptive Bearing Capacity \_\_\_\_\_ psf  
Pile size, type and capacity \_\_\_\_\_

SPECIAL INSPECTIONS REQUIRED: ☐ YES ☐ NO

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 INFORMATION FOR 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.  
CLIMATE ZONE: ☐ 3 ☐ 4 ☐ 5  
METHOD OF COMPLIANCE:  
☐ PRESCRIPTIVE (ENERGY CODE)  
☐ PERFORMANCE (ENERGY CODE)  
☐ PRESCRIPTIVE (ASHRAE 90.1)  
☐ PERFORMANCE (ASHRAE 90.1)  
THERMAL ENVELOPE  
ROOF/CEILING ASSEMBLY (EACH ASSEMBLY)  
DESCRIPTION OF ASSEMBLY: \_\_\_\_\_  
U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
R-VALUE OF INSULATION: \_\_\_\_\_  
SKYLIGHTS IN EACH ASSEMBLY:  
U-VALUE OF SKYLIGHT: \_\_\_\_\_  
TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY: \_\_\_\_\_  
EXTERIOR WALLS (EACH ASSEMBLY)  
DESCRIPTION OF ASSEMBLY: \_\_\_\_\_  
U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
R-VALUE OF INSULATION: \_\_\_\_\_  
OPENINGS (WINDOWS, DOORS, GLAZING)  
U-VALUE OF ASSEMBLY: \_\_\_\_\_  
SOIL/FOUNDATION COEFFICIENT: \_\_\_\_\_  
PROTECTION FACTOR: \_\_\_\_\_  
DOOR R-VALUE: \_\_\_\_\_  
WALLS BELOW GRADE (EACH ASSEMBLY)  
DESCRIPTION OF ASSEMBLY: \_\_\_\_\_  
U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
R-VALUE OF INSULATION: \_\_\_\_\_  
FLOORS OF UNCONDITIONED SPACE (EACH ASSEMBLY)  
DESCRIPTION OF ASSEMBLY: \_\_\_\_\_  
U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
R-VALUE OF INSULATION: \_\_\_\_\_  
DOORS SLAB-ON-GRADE  
DESCRIPTION OF ASSEMBLY: \_\_\_\_\_  
U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
R-VALUE OF INSULATION: \_\_\_\_\_  
HORIZONTAL/VERTICAL REQUIREMENT: \_\_\_\_\_  
SLAB HEATED: \_\_\_\_\_

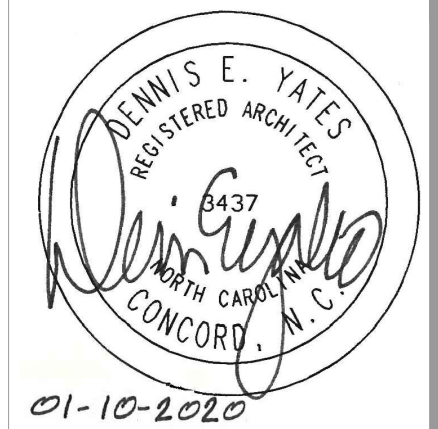
MECHANICAL SUMMARY  
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT  
THERMAL ZONE:  
WINTER DRY BULB: \_\_\_\_\_  
SUMMER DRY BULB: \_\_\_\_\_  
INTERIOR DESIGN CONDITIONS:  
WINTER DRY BULB: \_\_\_\_\_  
SUMMER DRY BULB: \_\_\_\_\_  
RELATIVE HUMIDITY: \_\_\_\_\_  
BUILDING HEATING LOAD: \_\_\_\_\_  
BUILDING COOLING LOAD: \_\_\_\_\_  
MECHANICAL SPACING CONDITIONING SYSTEM:  
UNIT TAG: \_\_\_\_\_  
DESCRIPTION OF UNIT: \_\_\_\_\_  
HEATING EFFICIENCY (HSPF): \_\_\_\_\_  
COOLING EFFICIENCY (SEER): \_\_\_\_\_  
SIZE CATEGORY OF UNITS: \_\_\_\_\_  
BOILER: \_\_\_\_\_  
SIZE CATEGORY: \_\_\_\_\_  
OVERSIZED, STATE REASON: \_\_\_\_\_  
CHILLER: \_\_\_\_\_  
SIZE CATEGORY: \_\_\_\_\_  
OVERSIZED, STATE REASON: \_\_\_\_\_  
LIST EQUIPMENT EFFICIENCIES: \_\_\_\_\_

ELECTRICAL SUMMARY  
ELECTRICAL SYSTEM AND EQUIPMENT:  
METHOD OF COMPLIANCE:  
ENERGY CODE: ☐ PRESCRIPTIVE ☐ PERFORMANCE  
ASHRAE 90.1: ☐ PRESCRIPTIVE ☐ PERFORMANCE  
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 (BUILDING AREA METHOD OR SPACE BY SPACE METHOD): \_\_\_\_\_  
TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED: \_\_\_\_\_  
ADDITIONAL PRESCRIPTIVE COMPLIANCE (PER 2012 VA ENERGY CONSERVATION CODE)  
☐ C403.2.3 HVAC EQUIPMENT PERFORMANCE REQUIREMENTS  
☐ C406.3.1.1 REDUCED LIGHTING POWER DENSITY  
☐ C403.2.6 ENERGY RECOVERY VENTILATION SYSTEMS  
☐ C404 SERVICE WATER HEATING  
☐ C406.4 ON-SITE SUPPLY OF RENEWABLE ENERGY  
☐ C405.2.2.3.2 AUTOMATIC DAYLIGHTING CONTROL SYSTEMS



Architecture  
Interior Design  
Land Planning  
Project Management

Professional Seals



Interior Alteration For:



2110 Executive Drive, Salisbury, NC 28145 / Ph: 704.633.8250

Store No. **2250**  
1555 E. UNION STREET  
MORGANTON, NC 28655

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Project No.: **2250FLTMHP20**  
File Name: **2250 G1.02.00.dwg**  
Date: **01-10-2020**

Revisions:

APPENDIX B

Architectural  
**G1.02**  
YCH Commission Number

19029.00

7035 Northwinds Dr NW

Concord, NC 28027

704 . 788 . 2000

ycharch.com