FISH & BEYOND
FISH MARKET
1234 NORTH MAIN STREET
Lillington NC 27546

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS NC 2018 BUILDING CODE

NAME OF PROJECT: FISH & BEYOND FISH MARKET
ADDRESS: 1234 NORTH MAIN STREET LILLINGTON NC 27546 SUITE #
OWNER OR AUTHORIZED AGENT: MYERS A. COLVIN SR PE TELEPHONE # (910) 670-2091
OWNED BY: ■ Privately ☐ City/County ☐ State
CODE ENFORCEMENT JURISDICTION: ■ CITY ☐ COUNTY ☐ City/County
CODE ENFORCEMENT JURISDICTION: TOWN OF LILLINGTON NC

PROJECT SUMMARY:

Building Description: EXISTING 365 SQ. FT COMMERCIAL TENANT SPACE TYPE VB CONSTUCTION

Scope of Work: PROVIDE UP-FIT FOR SMALL FRESH & FROZEN FISH SALES

Code Compliance Summary: THE COMPLIANCE SHALL BE BASED UPON THE 2018 ED. OF NC BUILDING CODE
THE CONSTRUCTION TYPE IS VB

Alternative Means of Compliance Request:

LEAD DESIGN PROFESSIONAL/PROJECT COORDINATOR: MYERS A. COLVIN SR., ENGINEER

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #
BUILDING DESIGN	M.A. Colvin Engineering & Consulting Inc.	Myers A. Colvin Sr.	C-3132	910-223-0052
CIVIL				
ELECTRICAL				
FIRE ALARM				
PLUMBING				
MECHANICAL				
SPRINKLER - STANDPIPE				
STRUCTURAL				
PRECAST				
TRUSSES				
RETAINING WALLS >5' HIGH				
OTHER				

BUILDING CODE: ■ 2018 NORTH CAROLINA STATE BUILDING CODE (NCSBC)
☐ 2012 NORTH CAROLINA STATE BUILDING CODE (NCSBC)
☐ 2009 NORTH CAROLINA STATE BUILDING CODE (NCSBC)
☐ 2006 NC REHAB ☐ 2006 NORTH CAROLINA STATE BUILDING CODE (NCSBC)
☐ 2006 CHAPTER 34 (ATTACH SUMMARY) ☐ 1995 EXISTING BUILDING CODE VOLUME 9
☐ 2009 CHAPTER 34 (ATTACH SUMMARY)
☐ NEW BUILDING ☐ SHELL BUILDING ☐ FIRST TIME INTERIOR COMPLETION
☐ ADDITION ☐ ALTERATION TO SHELL
EXISTING BUILDING: ■ RENOVATION ☐ INTERIOR COMPLETION ☐ TENANT ALTERATION
☐ RECONSTRUCTION ☐ REPAIR ☐ ALTERATION TO SHELL
☐ CHANGE OF USE TENANT SPACE ☐ CHANGE OF OCCUPANCY
NOTE: ZONING REVIEW MAY BE REQUIRED FOR CHANGE OF USE OR OCCUPANCY

ORIGINAL OCCUPANCY: BUSINESS
PROPOSED OCCUPANCY: BUSINESS

OCCUPANCY INFORMATION

PRIMARY OCCUPANCIES: ASSEMBLY: ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
■ BUSINESS: ☐ EDUCATIONAL FACTORY-INDUSTRIAL: ☐ F-1 ☐ F-2
HIGH-HAZARD: ☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
INSTITUTIONAL: ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 USE CONDITION: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ MERCANTILE RESIDENTIAL: ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
☐ STORAGE: ☐ S-1 ☐ S-2 HIGH-PILED
S-1 SPECIAL CONDITION: ☐ REPAIR GARAGE (406.6)
S-2 SPECIAL CONDITION-PARKING GARAGE ☐ OPEN (406.3) ☐ ENCLOSED (406.4)
☐ UTILITY AND MISCELLANEOUS

OTHER USES:
ACCESSORY USES (INDICATE PERCENTAGES):
INDICATE USES:

SPECIAL OCCUPANCIES: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421

MIXED OCCUPANCY: ■ NO ☐ YES SEPARATION
EXCEPTION
☐ NON-SEPARATED MIXED OCCUPANCY (508.3.2)
☐ SEPARATED MIXED OCCUPANCY (508.3.3)

ACTUAL AREA OF OCCUPANCY A / ALLOWABLE AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B / ALLOWABLE AREA OF OCCUPANCY B ≤ 1

ALLOWABLE AREA AND HEIGHT CALCULATIONS

THIS SECTION FOR NEW ADDITION, CHANGE OF USE, AND INTERIOR COMPLETION

EXTERIOR WALL	ACTUAL LENGTH	OPEN LENGTH	WIDTH OF PUBLIC WAY OR OPEN SPACE
NORTH			
SOUTH			
EAST			
WEST			
TOTAL			

N/A EXISTING BLDG.

INCREASE FRONTAGE ____ %
SPRINKLERS ____ %
FRONTAGE INCREASE FORMULA ALLOWABLE AREA FORMULA
$I_f = 100(\frac{F}{P} - 0.25)\frac{W}{30}$

ALLOWABLE AREA AND HEIGHT CALCULATIONS

THIS SECTION FOR NEW ADDITION, CHANGE OF USE, AND INTERIOR COMPLETIONS

STORY NO.	OCCUPANCY	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 AREA	(C) AREA FOR OPEN SPACE INCREASE[1]	(D) AREA FOR SPRINKLER INCREASE[2]	(E) ALLOWABLE AREA OR UNLIMITED[3]	(F) MAXIMUM BUILDING AREA[4]	SEPARATION RATING REQUIRED

N/A EXISTING BLDG.

[1] Open space 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) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase $I_f = 100\ (F/P - 0.25) \times W/30$ = ____ (%)
[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
[3] Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507.1, 507.2, 507.3, 507.4), 507.7; Group A motion picture (507.10); Malls (507.11); and H-2 aircraft paint hangers (507.8)
[4] Maximum Building Area = total number of stories in the building x E but not greater than 3 x E
[5] The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers must comply with 412.2.2.

ALLOWABLE HEIGHT

MOST RESTRICTED USE GROUP	ALLOWABLE HEIGHT (UP TO 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
BUILDING HEIGHT IN FEET	H = 40 FT.	H = 60 FT.	H = 40 FT.	TABLE 503
BUILDING HEIGHT IN STORIES	S = 1	S + 1 =	S = 1	TABLE 503

N/A EXISTING BLDG.

BUILDING DATA:

CONSTRUCTION TYPE: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ■ V-B
MIXED CONSTRUCTION: ☐ NO ☐ YES TYPES
SPRINKLERS: ■ NO ☐ YES ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
STANDPIPES: ■ NO ☐ YES CLASS ☐ I ☐ II ☐ III ☐ WET ☐ DRY
FIRE DISTRICT: ■ NO ☐ YES
BUILDING HEIGHT: 20'-0" FEET 1 NUMBER OF STORIES ☐ UNLIMITED PER
MEZZANINE: ■ NO ☐ YES
HIGH RISE: ■ NO ☐ YES CENTRAL REFERENCE SHEET # (IF PROVIDED)
GROSS BUILDING AREA:

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
BASEMENT			
GROUND FLOOR	365 SQ. FT.		
MEZZANINE			
2nd FLOOR			
3rd FLOOR			
4th FLOOR			
	TOTAL 365 SQFT		

AREA OF PROJECT TENANT/ALTERATION/RENOVATION:
AREA OF CONSTRUCTION: 100 SQ. FT.

FIRE PROTECTION REQUIREMENTS

LIFE SAFETY PLAN SHEET #, IF PROVIDED

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
BEARING WALLS EXTERIOR							
NORTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EAST	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WEST	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SOUTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INTERIOR BEARING WALLS	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NONBEARING WALLS EXTERIOR							
NORTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EAST	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WEST	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SOUTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INTERIOR BEARING WALLS	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES	N/A	N/A	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	N/A	N/A
FLOOR CEILING ASSEMBLY	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COLUMNS SUPPORTING FLOORS	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS **	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ROOF CEILING ASSEMBLY	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COLUMNS SUPPORTING ROOF	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SHAFTS - EXIT ENCLOSURES	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SHAFTS - OTHER	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SHAFTS - OTHER	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CORRIDOR SEPARATION	N/A	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	N/A
INCIDENTAL USE SEPARATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DWELLING/SLEEPING UNIT SEPAR.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMOKE BARRIER SEPARATION	N/A	1 HR	EXISTING	N/A	N/A	N/A	N/A
TENANT SEPARATION	N/A						

* INDICATE SECTION NUMBER PERMITTING REDUCTION ** INDICATED IF USING TABLE 601 NOTE C EXCEPTION

STRUCTURAL DESIGN

STRUCTURE CONFORMS TO "CONVENTIONAL LIGHT FRAME PROVISIONS OF 2308"

1. ____ YES, CONTINUE ____ NO, GO TO LINE 9
2. ROOF LIVE LOAD = 20 PSF
3. FLOOR LIVE LOAD = 54 PSF
4. GROUND SNOW LOAD (Pg) = 10 PSF
5. BASIC WIND SPEED, 3 SEC. GUST = 100 MPH
6. SEISMIC SITE CLASS =
7. SEISMIC DESIGN CATEGORY =
8. GO TO LINE 44

9. LIVE LOADS AREA
10. FLOOR LIVE LOAD (INDICATE AREA) = PSF
11. FLOOR LIVE LOAD (INDICATE AREA) = PSF
12. FLOOR LIVE LOAD (INDICATE AREA) = PSF
13. LIVE LOAD REDUCTION USED IN DESIGN YES/NO
14. ROOF LIVE LOAD = PSF
15. ROOF SNOW LOAD DATA
16. FLAT ROOF SNOW LOAD PSF
17. SNOW EXPOSURE FACTOR (Ce) =
18. SNOW IMPORTANCE FACTOR (Is) =
19. THERMAL FACTOR (Ct) =
20. WIND DESIGN DATA
21. BASIC WIND SPEED, 3 SEC. GUST = MPH
22. WIND IMPORTANCE FACTOR = (IF MULTIPLE EXPOSURES ARE USED INDICATE DIRECTIONS)
23. WIND EXPOSURE
24. INTERNAL PRESSURE COEFFICIENT (IF ELEMENTS ARE NOT DESIGNED BY THE REGISTERED DESIGN PROFESSIONAL)
25. COMPONENTS AND CLADDING LOADS = KIPS
26. WIND BASE SHEAR, Wx KIPS
27. WIND BASE SHEAR, Wy
28. EARTHQUAKE DESIGN DATA
29. SEISMIC IMPORTANCE FACTOR (Ie) =
30. SEISMIC USE GROUP
31. MAPPED SPECTRAL RESPONSE ACCELERATION Ss (PROVIDE SOILS REPORT IF SITE CLASS IS NOT "D")
32. MAPPED SPECTRAL RESPONSE ACCELERATION S1
33. SITE CLASS
34. SPECTRAL RESPONSE COEFFICIENT, Sds =
35. SPECTRAL RESPONSE COEFFICIENT, Sd1 =
36. SEISMIC DESIGN CATEGORY =
37. BUILDING (STRUCTURAL) SYSTEM
38. BASIC SEISMIC FORCE RESISTING SYSTEM
39. SEISMIC RESPONSE COEFFICIENT (Cs) =
40. RESPONSE MODIFICATION FACTOR, R =
41. ANALYSIS PROCEDURE USED =
42. SEISMIC BASE SHEAR, Sx KIPS
43. SEISMIC BASE SHEAR, Sy KIPS
44. SOIL DATA
45. PRESUMPTIVE SOIL BEARING PRESSURE= 2000 PSF
46. BEARING PRESSURE PER SOILS REPORT PSF
47. DEEP FOUNDATION TYPE
48. DEEP FOUNDATION ALLOWABLE LOADS TONS, DOWNWARD
49. UPLIFT 25 KIPS
50. LATERAL 50 KIPS

ACCESSIBLE PARKING

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACE WITH 8' ACCESS AISLE		
BUSINESS	5	5		1		1
TOTAL	5	5		1		1

SPECIAL APPROVALS

(DESVRIBE SPECIAL APPROVALS FROM LOCAL JURISDICTIONS, COUNTY OR STATE DEPARTMENT OF HEALTH, NC DEPARTMENT OF INSURANCE, INTERNATIONAL CODE COUNCIL, ETC.)

N/A EXISTING BLDG.

OCCUPANT LOAD AND EXIT WIDTH

USE GROUP OR SPACE DESCRIPTION	(a) AREA[1] SQ FT	(b) AREA[1] PER OCCUPANT	(a ÷ b) NUMBER OF OCCUPANTS	(c) EGRESS WIDTH PER OCCUPANT (TABLE 1005.1)		EXIT WIDTH (IN)[2,3,4,5] REQUIRED WIDTH (SECTION 1005.1) (a ÷ b) x c		ACTUAL WIDTH SHOWN ON PLANS	
				STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
					0.2		36		36
BUSINESS	365	100	4						

[1] See Table 1004.1.1 to determine whether net or gross area is applicable.
[2] Minimum stairway width (Section 1009.1); min. corridor width (Section 1017.2); min. door width (Section 1008.1.1)
[3] Minimum width of exit passageway (Section 1021.2)
[4] The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
[5] Assembly occupancies (Section 1025)

ASSEMBLY OCCUPANCY INFORMATION

SPACE DESCRIPTION	AREA - SF	OCCUPANT LOAD FACTOR	OCCUPANT LOAD	EXIT WIDTH	EXIT QUANTITY
		N/A			
TOTAL					

PLUMBING FIXTURE REQUIREMENTS

OCCUPANCY	WATERCLOSETS		URINALS	LAVATORIES		SHOWERS/ TUBS	DRINKING FOUNTAINS	
	UNISEX			UNISEX			REGULAR	ACCESSIBLE
BUSINESS	1		0	1	1	0		
TOTAL REQUIRED	1		0	1	1	0		
TOTAL PROVIDED	1		0	1	1	0		

BUILDING DRAIN SIZE	NUMBER OF BUILDING DRAINS	TOTAL FIXTURE UNIT LOAD	WATER SERVICE SIZE	NUMBER OF WATER SERVICES	TOTAL FIXTURE UNIT LOAD	NOTES
4"	1	5	1"	1	5	
TOTAL REQUIRED						
TOTAL PROVIDED						

MECHANICAL SUMMARY (SEE PLANS)

METHOD OF COMPLIANCE
■ PRESCRIPTIVE ☐ PERFORMANCE ☐ ENERGY COST BUDGET
THERMAL ZONE
INTERIOR DESIGN CONDITIONS DRY BULB
EXTERIOR DESIGN CONDITIONS WET BULB
WINTER DRY BULB
SUMMER DRY BULB
RELATIVE HUMIDITY

N/A EXISTING BLDG.

BUILDING HEATING LOAD
BUILDING COOLING LOAD
MECHANICAL SPACE CONDITIONING SYSTEM
UNITARY
DESCRIPTION OF UNIT
HEATING EFFICIENCY
COOLING EFFICIENCY
HEAT OUTPUT OF UNIT
COOLING OUTPUT OF UNIT
BOILER
TOTAL BOILER OUTPUT, IF OVERSIZED, STATE REASON
CHILLER
TOTAL CHILLER CAPACITY, IF OVERSIZED, STATE REASON
LIST EQUIPMENT EFFICIENCIES
EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS) (SEE M-1 SHEET)
MOTOR HORSEPOWER
NUMBER OF PHASES
MINIMUM EFFICIENCY
MOTOR TYPE
OF POLES

SHELL VARIABLE FORM

REPRODUCE ON COVER SHEET

N/A

MECHANICAL
___NO WORK
___EQUIPMENT SET _____ WITH _____ WITHOUT POWER
___TRUNK LINE INSTALLED _____ WITH _____ WITHOUT POWER
___GAS LINE
___INSTALL COMPLETE OPERATIONAL SYSTEM
OTHER SEE UP-FIT MECHANICAL

PLUMBING
___NO WORK
___INSTALL WATER SERVICE AND SEWER
___INSTALL BUILDING DRAIN _____ AND _____ OR WATER DISTRIBUTION MAIN _____ WITH _____ WITHOUT BRANCHES
___INSTALL COMPLETE PLUMBING SYSTEM
OTHER SEE UP-FIT PLUMBING PLAN

SPRINKLER
___INSTALL COMPLETE SPRINKLER SYSTEM

BUILDING
___INSTALL SLAB _____ PARTIAL _____ COMPLETE
___INSTALL DEMISING WALLS
___INSTALL INTERIOR PARTITIONING _____ PARTIAL _____ COMPLETE
___INSTALL CEILINGS
___WHITE BOX (ADDITIONAL INTERIOR COMPLETION PERMITS ARE REQUIRED FOR CERTIFICATE OF OCCUPANCY AND POWER)
OTHER SEE UP-FIT LAY-OUT FOR RESTAURANT

ELECTRICAL
___HOUSE PANEL
___SERVICE LATERALS TO METER CENTERS/ PANELS LOCATED ON BUILDINGS
___DEMISE WALL AND CEILINGS ONLY
___CONDUIT, DUCT, RACEWAY IN SLAB
___POWER AND LIGHTING CIRCUITS TO "J" BOX
___INSTALL LIGHT FIXTURES
___INSTALL _____ HEAT/ AC _____ ELEVATOR _____ GENERATOR _____ PARKING LOT LIGHTING
___INSTALL COMPLETE SYSTEM
OTHER SEE UP-FIT LAY-OUT & SHELL PLANS

PLEASE PROVIDE FULL INFORMATION ON ANY ALTERNATE METHODS AND MEANS INCORPORATED INTO THE DESIGN OF THIS PROJECT. PROVIDE SPECIFIC DETAILS AND INCORPORATE INTO PLAN SUBMITTAL ANY SUPPORTING DOCUMENTS OR AGREEMENT LETTERS.

PERCENTAGE OF WALL OPENING CALCULATIONS

ALLOWABLE OPENINGS PER TABLE 704.8
NO LIMIT

WALL LEGENDS

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATE BY A WALL LEGENDON ALL PLANS
☐ FIRE PARTITIONS 708 ☐ FIRE WALLS 705 ☐ FIRE BARRIERS 706 ☐ SMOKE PARTITIONS 710
☐ SMOKE BARRIERS 709 ☐ SHAFT ENCLOSURE 707

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 ENERGY COST BUDGET METHOD, STATE THE ANNUAL ENERGY COST BUDGET VS ALLOWABLE ANNUAL ENERGY COST BUDGET.

THERMAL ENVELOPE

METHOD OF COMPLIANCE: ☐ PERFORMANCE ☐ ENERGY COST BUDGET
☒ PRESCRIPTIVE

ROOF/CEILING ASSEMBLY (EACH ASSEMBLY)
DESCRIPTION OF ASSEMBLY – Metal roofing Batt Insulation, Lay-in ceiling
U-VALUE OF TOTAL ASSEMBLY – 0.031
R-VALUE OF INSULATION – 30
SKYLIGHTS IN EACH ASSEMBLY – N.A.
U-VALUE OF SKYLIGHT – N/A
TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY – N/A

EXTERIOR WALLS (EACH ASSEMBLY)
DESCRIPTION OF ASSEMBLY – Brick Veneer, sheathing board, 2x4 wood studs, R-19 BATT Insulation

U-VALUE OF TOTAL ASSEMBLY – 0.040
R-VALUE OF INSULATION – 19.0
OPENINGS (WINDOWS OR DOORS WITH GLAZING)
U-VALUE ASSEMBLY – 0.61
SHADING COEFFICIENT – 0.82
PROJECTION FACTOR
LOW E REQUIRED, IF APPLICABLE N.A.
DOOR R-VALUES – 2.56

WALLS ADJACENT TO UNCONDITIONED SPACE (EACH ASSEMBLY)
DESCRIPTION OF ASSEMBLY
U-VALUE OF TOTAL ASSEMBLY
R-VALUE OF INSULATION
OPENINGS (WINDOWS OR DOORS WITH GLAZING)
U-VALUE ASSEMBLY
LOW E REQUIRED, IF APPLICABLE
DOOR R-VALUES

N/A EXISTING

WALLS BELOW GRADE (EACH ASSEMBLY)
DESCRIPTION OF ASSEMBLY N.A.
U-VALUE OF TOTAL ASSEMBLY
R-VALUE OF INSULATION

FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY) N.A.
DESCRIPTION OF ASSEMBLY
U-VALUE OF TOTAL ASSEMBLY
R-VALUE OF INSULATION
HORIZONTAL/VERTICAL REQUIREMENT
SLAB HEATED

FLOORS SLAB ON GRADE
DESCRIPTION OF ASSEMBLY N.A.
U-VALUE OF TOTAL ASSEMBLY
R-VALUE OF INSULATION
HORIZONTAL/VERTICAL REQUIREMENT
SLAB HEATED

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE: ☒ PRESCRIPTIVE ☐ PERFORMANCE ☐ ENERGY COST BUDGET

N/A

LIGHTING SCHEDULE
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
TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED
EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS)
MOTOR HORSEPOWER
NUMBER OF PHASES
MINIMUM EFFICIENCY
MOTOR TYPE
NO. OF PHASES

LIFE SAFETY SYSTEM REQUIREMENTS

EMERGENCY LIGHTING: ☐ NO ☒ YES
EXIT SIGNS: ☐ NO ☒ YES
FIRE ALARM: ☒ NO ☐ YES
SMOKE DETECTION SYSTEMS: ☐ NO ☒ YES
PANIC HARDWARE: ☐ NO ☒ YES

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM[1] NUMBER OF EXITS		TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS[2] (SECTION 1015.2)	
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1015.1)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
	1	2	200'	60'+/-	31' +/-	60 +/-"

N/A EXISTING BLDG.

[1] Corridor dead ends (Section 1004.3.2.3)
[2] Single exits (Table 1005.2.2)
[3] Common path of travel (Section 1004.2.5)

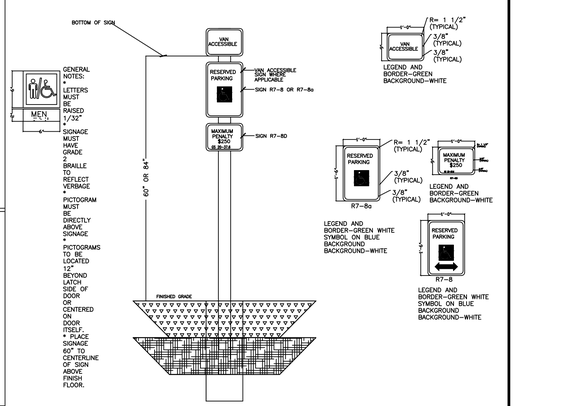
SPECIAL INSPECTIONS CHAPTER 17

SPECIAL INSPECTIONS SHALL BE CONDUCTED ON ALL PROJECTS THAT FALL WITHIN BUILDING CATEGORIES AND/ OR CONTAIN ELEMENTS SUBJECT TO SPECIAL INSPECTIONS AS PRESENTED BY REVISED SECTION 1704.

TO SCHEDULE A REQUIRED PRE-CONSTRUCTION MEETING WITH THE CITY OF RALEIGH, PLEASE CALL THE CONSTRUCTION DIVISION AT (919) 516-2500.

LIST WHOM WILL INSPECT THE REQUIRED SPECIAL INSPECTIONS: N/A

FABRICATOR OF LOAD BEARING COMPONENTS
SOIL TESTS
CONCRETE, CAISSONS, PILES, PIERS, PRE-CAST
POST TENSION CONCRETE
MODULAR CONSTRUCTION
STEEL AND CONNECTIONS, WELDS, BOLTS, ANCHORS N/A
FIRE SPRAY TESTS
SMOKE CONTROL
SEISMIC, WIND DESIGNS, QUALITY ASSURANCE
RETAINING WALLS
MASONRY
WOOD
ALTERNATE METHODS
ETFS
OTHER (DESCRIBE)
OTHER (DESCRIBE)
OWNER OR AGENT



HANDICAPPED DETAILS
NTS

SHEET INDEX

COVER SHEET
BUILDING CODE SUMMARY/ APPENDIX B
B-1/LS FLOOR LAYOUT/ LIFE SAFETY PLAN

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1300 B PAMALEE DRIVE
Fayetteville, North Carolina 28305
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FINAL DRAWING FOR: REVIEW PURPOSES ONLY
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL ANDREW COLVIN

FIRM LICENSE NO. C-3132