2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS FAMILY DWELLINGS AND TOWNHOUSE

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Enforcement Jurisdiction: City County Harrett State State State TACT: Robert J. Bracken, Jr P.E. KGNER: FIRM NAME LICENSE# TELEPHONE# neer RJB PE PA RJ Bracken NC 7291 (919) 774-6074	
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Alarm	bjbracken@windstream.net
Ding 1001017A Distant 10 101 (010) 774 (074	bjbracken@windstream.net
kler - Standpipe	
tural	
ining Wall > 5' High	
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er" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)	
8 NC CODE BUILDING CODE: 🕅 New Building 🔲 Addition 🔤 Renovation	
1st Time Interior Completion	
Shell / Core - Contact the local inspection jurisdiction for possible addit	tional
procedures and requirements	
Phased Construction - Shell / Core - Contact the local inspection jurisdi possible additional procedures and requirements	ction for
8 EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14	
Alteration: Level I Level II Level III	
Historic Property Change Of Use	
CONSTRUCTION: (Date) CURRENT OCCUPANCY (S) (CH. 3):	
RENOVATED: (Date) PROPOSED OCCUPANCY (S) (Ch.3):	
OCCUPANCY CATEGORY (Table 1604.5) Current: □ I □ II □ II □ II Proposed: □ I ጆ II □ II □ IV	
SIC BUILDING DATA	
struction Type:	
nklers: \mathbf{X} No \Box Partial \Box Yes \Box NFPA 13 \Box NFPA 13R \Box NFPA 13D	
depipes: \mathbf{X}_{NO} \Box Yes Class \Box I \Box II \Box III \Box Wet \Box Dry	
District: XINo Yes Flood Hazard Area: XINo Yes	
cial Inspections Required: X No Yes (Contact the local inspections jurisdiction for additional procedures and requirements)	
OR Existing (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL	
Floor	
Floor	
zanine	
Floor 6,600 ft 6,600 ft	
ement	
TOTAL 6,600 FL ²	
	· · · · · · · · · · · · · · · · · · ·
ALLOWABLE AREA	
ary Occupancy (s): Select One	
Assembly □ A-1 □ A-2 □ A-3 □ A-4 □ A-5	
Business:	
Educational	
Educational Factory F-1 Moderate F-2 Low	
Educational	
Educational Factory F-1 Moderate F-2 Low	
Educational - Factory	
Educational - Factory F-1 Moderate - Hzzardous - H-1 Detonate - Hzzardous - H-1 Detonate - Institutional - 1-1 Condition -	
Educational	
Educational	
Educational - Factory F-1 Moderate - Hazardous	
Educational - Factory F-1 Moderate - Hazardous H-1 Detonate H-2 DetBagee H-3 Combet H-4 Health - Institutional 1-1 Condition 1 2 - - - - 1-2 Condition 1 2 -	

STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ⁴ AREA	(C) AREA FOR FRONTAGE INCREASE ^{1,5}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3}
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a. Perime	a increase from Section 5 ter which fronts a public suilding Perimeter =	i06.2 are computed thus: way or open space havin	g 20 feet minimum w	idth =(F)	

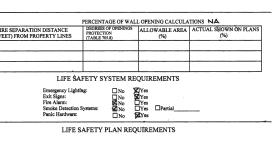
Building Area = total number of stories in building x D (maximum 3 stories) 506.2 imum Area of open parking garages must comply with Table 406.5.4 The Maximum area of air traffic of towers must comply with Table 412.3.1.

increase is based on the unsprinklered area value in Table 506.2

	ALLOWABLE HEIG	HT	
	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	40	25	T 504.3
Building Height in Stories (Table 504.4)	ONE	ONE	T 504.4

FIRE PROTECTION REQUIREMENTS

	FIRE	RA	TING	DETAIL #	DESIGN # FOR	SHEET # FOR	SHEET #
BUILDING ELEMENT	SEPARATION DISTANCE (FEET)	REQ'D	(W/ REDUCTION)	AND SHEET #	RATED ASSEMBLY	RATED PENETRATION	FOR RATED JOINTS
Structural Frame, including columns, girders & trusses							
Bearing walls							
Exterior				-			
North	35'+						
East	35'*				с.,		
West	35' *						
South	35' +						
Interior							
Nonbearing walls and partitions Exterior Walls							
North							
East							
West							
South							
Interior walls & partitions							
Floor construction Including supporting beams & joist							
Floor Ceiling Assembly				1			
Columns Supporting Floors							
Roof construction including supporting beams & joist							
Roof Ceiling Assembly							
Columns Supporting Roof							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Seperation		182		W-L-1195	V480		
Occupancy / Fire Barrier Separation							_
Party / Fire Wall Separation Smoke Partition							
Tenant / Dwelling Unit							
Sleeping Unit Separation			1	1			
Incidental Use Separation		1					



Life Safety Plan Sheet # LS -1

Life bardy I had block w_ G > 1
Fire and / or smoke rated walls locations (Chapter 7) Assumed and real property line locations. (If not on site plan) Exterior wall opening area with respect to distance to assumed property line (705.8)
Occupancy Use for each area as it relates to occupant load calculations (Table 1004.1.2) Occupant loads for each area.
 Exit access travel distance (1017) Common path of travel distance ((Tables 1006.2.1 & 1006.3.2.(1))
Dead end lengths (1020.4)
 Clear exit widths for each door. Maximum calculations occupant load capacity each exit door can accommodate based on egress width (1005.3)
Actual occupant load for each exit door. A separate schematic plan indicating where fire rated floor / ceiling and / or roof structures provided for
purpose of occupancy separation.
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 reguarding the items above.

ACCESSIBLE DWELLING UNITS N/A (Section 1107)

TOTAL UNITS	ACCES: UNITS I		ACCESSIBLE UNITS PROVIDED	TYPE 'A' UNITS REQUIRED	TYPE 'A' UNITS PROVIDED	TYPE 'B' UNITS REQUIRED	TYPE 'B' UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
			A	CCESSIBLE PA	RKING SEE	SITE PL	AN	
LOT OR PARE		TOTAL #	OF PARKING SPACE		H 5 VAN SPACES	WITH	TOTAL # ACCE PROVIDE	

		ACCESS AISLE	132* ACCESS AISLE	8" ACCESS AISLE	

PLUMBING FIXTURE REQUIREMENTS (Table 2902.1)

USE		Wa	ter Clo	sets Unisex	Urinals	La Male	Female	es Unisex	Showers/ Tubs	Drinking Regular	Fountains
SPACE	Existing		- Galinery	VININA							
	New	î.	2		1	1	1				
	Required	1	١		1	1	1				

SPECIAL APPROVALS Special Approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc. described below)

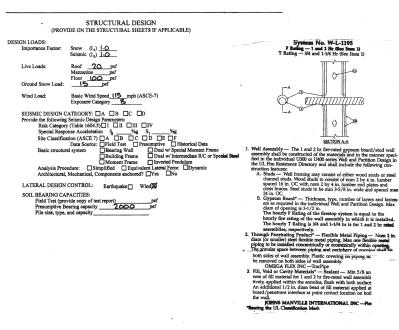
NONE

ENERGY SUMARRY

ENERGY SUMARRY ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attroute to meet the energy code shall also be provided. Each Designer shall fimsih the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reflerence design vs annual energy cost for the proposed design

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THERMAL ENVELOPE (Prescriptive method only) Roof / Ceiling (such assembly) U-Value of total assembly: Royalte of total assembly: Royalte of total assembly: U-Value of total assembly: U-Value of total assembly: D-Value of total assembly: Royalte o SEE ATTACHED COM-CHECK Wall be Description of assembly: U-Value of total assembly: R - Value of insulation: Floors over unconditional space (et Description of assembly: U - Value of total assembly: R - Value of total assembly: R - Value of insulation: ______ ab on grade Description of assembly: ______ Description of assembly: U - Value of total assembly: R - Value of insulation: Horizontal / vertical requirement: Slab heated:



Actual Area Of Occupancy A + <u>Actual Area Of Occupancy B</u> ≤ 1.00 Allowable Area Of Occupancy B ≤ 1.00

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 (509.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the sectual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

Mixed Occupancy: No Yes Separation: ____Hr. Exception:_____

Accessory Occupancy Classification (s): Incidental Uses (Table 509): Special Uses (Chapter 4 - List Code Section):

Special Provisions: (Chapter 5 - List Code Sections):____

REVISIONS DATE MECHANICAL SUMMARY (PROVIDE IN THE MECHANICAL SHEETS IF APPLICABLE) MECHANICAL SYSTEMS, SERVICES AND EQUIPMENT Thermat Zone 4A winter dry bulb: 20° summer dry bulb: 94° Interior design conditions: winter dry bulb: 72° summer dry bulb: 75° relative humidity: 50° tEW CHAMPS CONVENIENCE STORE U.S. HWAY 401 NORTH Fuquay-Varina, North Carolina 27526 Building heating load: 63, 379 Bto Building cooling load: 150, 3878+0 Mechanical Spacing Conditioning System description of unit: heating efficiency: cooling efficiency: size category of unit: SEE SHEET M-1 Boiler Size category: If over Chiller Size category: If oversized, state reason List equipment efficiencies: ELECTRICITY SUMMARY (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE) ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance: Energy Code: Performance Precriptive ASHREA 90.1 Performance Precriptive NEW Lighting schedule (Each fature type) Iamp type required in fature: balliast type used in the fature: balliast type used in the fature: balliast type used in the fature: total watage per flature: total interjor watage specified va allowed: (<u>whak building</u>)er space by space ∢ Allowable Watts: 8316 Actual Watts: 2717 Sanford, NC 27330 Robert J. Bracken ENGINEERING • SURVEYING PA Design No. U419 taring Wall Ratings --- 1, 2, 3 or 4 Hr (See Resso 3 & 4) PE, . For Number of Layers and Hourly Ratings See Item 4 • Road RJB, 33A 2 4 T 3768 Carbonton P. Floor and Ceiling Runners — (Not shown) — Channel shaped, fabri-cated from min 25 MSG (min 20 MSG when Item 4A is used) corrordent wrotecies determined in the state of the state of the state of the long legs, attached to floor and ceiling with fasteners 24 in . Of max. 3 Steel Stude – Channel shaped, fabricated from min 25 MSG (min 25 MSG when Item 4A is used) corrosion-protected steel, min width as indicated under Item 4, min 12/14 in frances and 1/14 in return, space ted under Item 4, min 1-1/4 in: flanges ar of 24 in. OC. Studs to be cut 3/8 to 3/4 i indicated under neu , where the state of the Categories for names of Classing using and Blankets* --- (Optional) --- Placed in minimal wool insulation bearing the U in stud cavities, any glass JL Classification Marking Fire Resistance. See Batts as to Surface Burning Characteristic and Blankets (BKNV or BZIZ) Cat Sypsum Board* — Gypsum panels with beveled, square or tapered SCALE: 1/4" = 1'-0" stude and staggered one sa joints in adjacent layers (nn. Horizontal edge joints and h "stude need not be staggered. joints in adjacent layers (multi. The thickness and number ings are as fer" dizonau. 1 cavity on opposite and ditilayer systems) stagger interview on the systems of the systems of the systems of the systems of the system of the s DRAWN BY: WRJ DATE: on Each Side of Wall Min Stud Depth 3-1/2 Min Thises of Insulation (Item 3) Optional CHECKED BY: RJB No. of Layers & Thicns of Panel 1 layer, 5/8 in. thick DWG. NUMBER: Min Thims of Insulation (Item 3) 1-1/2 in. Optional Rating Min Stud Depth JOB NUMBER: 2-1/2 1-5/8 SHEET NO: APPENDIX 'B' Appendix "B" SEAL TIAR RECEIVED 9/26/22 By Regency Construction at 2:42 pm, Feb 20, 2024