		CODE APPENDIX "B"		_
FOR ALL COMMERCIAL PROJECTS Special Uses: 402 402] 403	LIFE SAFETY REQUIREMENTS	ENERGY SUMMARY	
Project: BISCUITVILLE NEW BUILDING	415 416 417 418 419 420 421 422 423 424	Emergency Lighting: No X Yes	METHOD OF COMPLIANCE: PRESCRIPTIVE PERFORMANCE (COM CHECK) ✓	i i
1608 NC 24-87 CAMERON, NC Zip Code: 28326 425 426 425 426 425 426 425 426 426 427 427 428] 427	Exit Signs No Yes	ROOF/CEILING ASSEMBLY (EACH ASSEMBLY) DESCRIPTION OF ASSEMBLY: 3/4" PLYWOOD, R-25 RIGID BOARD INSULATION, WOOD TRUSSES, ACOUSTICAL CEILING TILE	
Special Provisions: 509.2	509.3		U-VALUE OF TOTAL ASSEMBLY: 0.039 (BTU/HRFt²-°F) R-VALUE OF INSULATION: R-25	
City/County Private State \(\sumset \) Orcement Jurisdiction: City: \(\sumset \) County: \(\text{HARNETT COUNTY} \) Orcement Jurisdiction: State	Yes Separation: N/A Exception: N/A	Smoke Detection Systems: No Yes Partial HVAC	SKYLIGHTS IN EACH ASSEMBLY: NONE U-VALUE OF SKYLIGHT TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY: NONE	
Incidental Use Seperation This seperation is not e	(508.2.5) tempt as a Nonsperated Use (see exceptions)	Panic Hardware: No XYes	EXTERIOR WALLS (EACH ASSEMBLY) DESCRIPTION OF ASSEMBLY: SIDING, 1/2" PLYWOOD, 2"x6" WOOD	
IGN PROFESSIONAL: GLEN R. LEHMANN Non-Separated Use (50	3.3.2)	LIFE SAFETY PLAN REQUIREMENTS	STUDS, R-19 BATT., 5/8" GYP. BOARD U-VALUE OF TOTAL ASSEMBLY: 0.067 (BTU/HRFt²-F)	
Name License # Telephone # area limitations for each restrictive type of cons	struction for the building shall be determined by applying the height and of the applicable occupancies to the entire building. The most action, so determined, shall apply to the entire building.	Life Safty Plan Sheet # T400	R-VALUE OF INSULATION: R-19 OPENINGS (WINDOWS OR DOORS WITH GLAZING):	
INUIT ASSOCIATES DOUGLAS P. STOCKS 030217 (010) 544 0087 Separated Use (508.3.3	- See below for area calculations	Fire and/or smoke rated wall locations (Chapter 7) Assumed and real property line locations	DESCRIPTION OF ASSEMBLY: ALUM. FRAMÉ W/ 1/4" SAFETY GLASS U-VALUE OF ASSEMBLY: 0.28 (BTU/HR-Ft²-°F) SHADING COEFFICIENT: 0.28	
Thurst account to the story, the dress of each story, the dress of each story actual floor great of each story.	of the occupancy shall be such that the sum of the ratios of the use divided by the allowable floor area for each use shall not	Exterior wall opening area with respect to distance to assumed property line (705.8)	PROJECTION FACTOR: 0.39 LOW E REQUIRED, IF APPLICABLE: NO	
LMHT ASSOCIATES		Existing structures within 30 feet of proposed building Occupancy types for each area as it relates to occupancy load calculation (Table 1004.1.1)	DOOR R-VALUES: 0.28 WALLS ADJACENT TO UNCONDITIONED SPACE (EACH ASSEMBLY): NONE DESCRIPTION OF ASSEMBLY:	
Valls > 5' High Allowable Area of Occup	ancy A Allowable Area of Occupancy B	Occupant loads for each area Exit access travel distance (1016)	U-VALUE OF TOTAL ASSEMBLY: R-VALUE OF INSULATION:	
Story No. Description and Use	(A) (B) (C) (D) (E) (F) Bldg Area Table 503 Area For Allowable Maximum	Common path of travel distances (1014.3 & 1028.8)	OPENINGS (WINDOWS OR DOORS WITH GLAZING): U-VALUE OF ASSEMBLY: LOW E REQUIRED, IF APPLICABLE:	G T
ON OF NC CODE FOR: New Construction Addition Upfit	Per Story Area Open Space Sprinkler Area Or Area 4 Open Space Increase 1 Open Space Increase 2 Open Space Increase 2 Open Space Sprinkler Area Or Open Space Increase 2 Open Space Increase 3 Open Space Increase 2 Open Space Increase 2 Open Space Increase 3 Open Spa	□ Dead end lengths (1018.4) □ Clear exit widths at each door	DOOR R-VALUES: FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY): NONE	
Reconstruction Alteration Repair Renovation GROUND RESTAURANT A-2 ORIGINAL USE(S) (Ch.3):	2927 SF 6,000 SF 6,000 SF 6,000 SF	Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)	DESCRIPTION OF ASSEMBLY: U-VALUE OF TOTAL ASSEMBLY: R-VALUE OF INSULATION:	
NOVATED (Date): CURRENT USE(S) (Ch.3):		Actual occupant load for each exit door A seperate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided	FLOORS SLAB ON GRADE DESCRIPTION OF ASSEMBLY: 4" CONCRETE	
PROPOSED USE(S) (Ch.3):		for purpose of occupancy separation Location of doors with panic hardware (1008.1.10)	U-VALUE OF TOTAL ASSEMBLY: 0.13 (BTU/HR-Ft ² -*F) R-VALUE OF INSULATION: NONE HORIZONTAL/VERTICAL REQUIREMENT:	
h Tatal Dutlates Destaurtes	ublic way or open space having 20 feet minimum width=X(F)	Location of doors with delayed egress locks and amount of delay (1008.1.9.7)	SLAB HEATED: NO	
b. Total Building Perimeter c. Ratio (F/P) = d. W = Minimum width of pu	X%(F/P)	Location of doors with electromagnetic egress locks (1008.1.9.8) Location of doors equipped with hold open devices	WALLS BELOW GRADE (EACH ASSEMBLY): NONE DESCRIPTION OF ASSEMBLY: U-VALUE OF TOTAL ASSEMBLY:	
e. Percent of frontage increa NFPA 13 NFPA 13R NFPA 13D 2: The sprinkler increase per Section 50	$E = 100 [F/P - 0.25] \times W/30 = X\%$ 0.3 is as follows:	Location of emergency escape windows (1029) The square footage of each fire area (902)	R-VALUE OF INSULATION:	
a. Multi-story building 1 = 2 b. Single story building 8 =	00 percent	The square footage of each smoke compartment (407.4)	MECHANICAL SUMMARY (ALL MECHANICAL EQUIPMENT IS EXISTING TO REMAIN)	
No Yes Class I II Wet Dry 3: Unlimited area applicable under scond 4: Maximum Building Area = total numl		Note any code exceptions or table notes that may have been utilized regarding the items above	METHOD OF COMPLIANCE: PRESCRIPTIVE ENERGY COST BUDGÉT	
: No Yes (Primary) Flood Hazard Area: No Yes St. The maximum area of parking garage Table 412.1.2.	s must comply with 406.3.5. The maximum area of traffic control towers must comply with	ACCESSIBLE DWELLING UNITS: (Section 1107)	MECHANICAL SPACING CONDITIONING SYSTEM UNITARY RTU #1 RTU #2 MUA #1	
ing Area: Per Section 502.1		NOT APPLICABLE	DESCRIPTION OF UNIT: 9.0 TON 7.5 TON 7.5 TON COOLING WITH COOLING WITH COOLING WITH GAS HEAT GAS HEAT	
Existing (Sq. Ft.) New (Sq. Ft.) Sub-Total ALLOWABLE HEIGHT 0 2,745 SF 2,745 SF		TOTAL UNITS ACCESSIBLE UNITS REQUIRED ACCESSIBLE UNITS PROVIDED ACCESSIBLE UNITS PROVIDED REQUIRED PROVIDED REGULAR WITH 5' ACCESS AISLE 8' ACCESS AISLE PROVIDED PROVIDED REGULAR WITH 5' ACCESS AISLE B' ACCESS AISLE		
/C 0 182 182 AL	OWABLE INCREASE FOR SPRINKLERS SHOWN ON PLANS CODE REFERENCE	S ACCESS AISLE O ACCESS AISLE	HEATING EFFICIENCY: 80% 80% 80% COOLING EFFICIENCY: 11.2 EER 12.1 EER 12.1 EER HEAT OUTPUT OF UNIT: 156.0 MBH 156.0 MBH 156.0 MBH COOLING OUTPUT OF UNIT: 104.5 MBH 90.4 MBH 90.4 MBH	TATION AND THE PROPERTY OF THE
			HEAT OUTPUT OF UNIT: 156.0 MBH 156.0 MBH COOLING OUTPUT OF UNIT: 104.5 MBH 90.4 MBH 90.4 MBH BOILER: NONE	E
Total 0 2,927 SF 2,927 SF Type of Construction Ty	e V-B SEC. 602 TABLE 601	ACCESSIBILITY PARKING: (Table 2902.1) SEE CIVIL DRAWINGS	CHILLER: NONE	iā
Building Height in Feet Feet	Feet = H + 20' = $\frac{N/A}{FT}$ 19'-10" (24'-7" SEC. 504.2	LOT OR PARKING AREA TOTAL # OF PARKING SPACES # OF ACCESSIBLE SPACES PROVIDED TOTAL # ACCESSIBLE	THERMAL ZONE : 3a	
ccupancy: Assembly A-1 A-2 A-3 A-4 A-5 Building Height in Stories Stories		REQUIRED PROVIDED REGULAR WITH 5 VAN SPACES WITH 8' ACCESS AISLE PROVIDED ACCESS AISLE REGULAR WITH 5 VAN SPACES WITH 8' ACCESS AISLE	EXTERIOR DESIGN CONDITIONS WINTER DRY BULB: 22.9 (MECHANICAL SYSTEMS): BY OTHERS SUMMER DRY BULB: 96.3 F	
Business Stories	Stories T 1 = 14/A Stories 1 STORT TABLE 503		MOTOR HORSEPOWER: INTERIOR DESIGN CONDITIONS: WINTER DRY BULB: 70°F MINIMUM EFFICIENCY:	
Educational Factory F-1 Moderate F-2 Low FIRE PROTECTION REQUIREN	ENTS	TOTAL	SUMMER DRY BULB: 75°F MOTOR TYPE: RELATIVE HUMIDITY: 55% # OF POLES:	H
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM	RATING DETAILS # DESIGN DESIGN # FOR DESIGN #		BUILDING HEATING LOAD: 46.6 MBH BUILDING COOLING LOAD: 165.5 MBH	
☐ I−3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	TION REQ'D PROVIDED AND FOR RATED FOR (W) no SHEET # RATED PENETRATION RATED JOINTS	PLUMBING FIXTURE REQUIREMENTS: (Table 2902.1)	LIST EQUIPMENT EFFICIENCIES:	PE
Mercantile Residential R-1 R-2 R-3 R-4 Structural frame, including columns, girders, > 30 F		OCCUPANCY WATERCLOSETS URINALS LAVATORIES SHOWERS/ DRINKING FOUNTAINS TUBS REGULAR/TOTAL ACCESSIBLE		
Storage S-1 Moderate S-2 Low High-piled trusses		RESTAURANT = 101 OCCUPANTS 1 1 1 0 0 0 0	ELECTRICAL SYSTEM AND EQUIPMENT: METHOD OF COMPLIANCE: PRESCRIPTIVE ✓ PERFORMANCE ENERGY COST BUDGET	
Utility and Miscellaneous	N/A		LAMP TYPE REQUIRED IN FIXTURE: SEE "E" DRAWINGS LIGHTING SCHEDULE	
North > 30 F Occupancies: Assembly A-1 A-2 A-3 A-4 A-5		RESTAURANT 1 1 1 0 0 0	NUMBER OF LAMPS IN FIXTURE: SEE "E" DRAWINGS BALLAST TYPE USED IN THE FIXTURE: SEE "E" DRAWINGS NUMBER OF BALLASTS IN FIXTURE:	BI
Business Educational West > 30 F		X	SEE "E" DRAWINGS TOTAL WATTAGE PER FIXTURE: SEE "E" DRAWINGS TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED: 1975W VS. 2322W	
☐ Factory ☐ F-1 Moderate ☐ F-2 Low South > 30 F ☐ Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health Interior N/A	. 0 0 N/A N/A N/A N/A	BUILDING DRAIN NUMBER OF TOTAL FIXTURE WATER SERVICE NUMBER OF WATER TOTAL FIXTURE NOTES SIZE BLDG DRAINS UNIT LOAD SIZE SERVICES UNIT LOAD	TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED: N/A	OJE
Institutional I-1 I-2 I-3 I-4		4" 18 102 1-1/4" 1 65	EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS): NONE MOTOR HORSEPOWER: NUMBER OF PHASES:	
☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ Mercantile partitions			MINIMUM EFFICIENCY: MOTOR TYPE: # OF POLES:	F
☐ Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4 North N/A ☐ Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled East N/A		SPECIAL APPROVALS		
Storage S-1 Moderate S-2 Low High-piled East N/A Parking Garage Open Enclosed Repair Garage West N/A		Special approval: (Local Jurisdiction, Department of Insurance, SBCCI, ICC, etc., describe below) NOT APPLICABLE	en en la companya de la companya de La companya de la co	
Utility and Miscellaneous South N/A				
Compancies: Furnace room where any piece of equipment is over 400,000 Btu per hour input Rooms with boilers where largest piece of equipment is over 15 per and 10 bersepower.	0 0 N/A N/A N/A N/A			
Rooms with boilers where largest piece of equipment is over 15 psi and 10 horsepower Refrigerant machine room Refrigerant machine room Refrigerant machine room		DESIGN LOADS: SEE STRUCTURAL DWGS. Importance Factors: Wind (IW)1.0 SEISMIC DESIGN CATEGORY: D Provide the following Seismic Design Parameters:		R
Hydrogen cutoff rooms not classified as Group H Roof construction Including supporting beams	0 0 N/A N/A N/A N/A	Snow (IS) 1.0 Occupancy Category (Table 1604.5) II Seismic (IE) 1.0 Spectral Response Acceleration SS20.5%g	\$19.3 %g	
Paint shops, not classified as Group H, located in occupancies other than F		Live Loads: Roof20 psf Site Classification (Table 1613.5.2) E Mezzaninena psf Data Source: Field Test Floor100 psf Basic structural system (check one)		
Laboratories, and vocational shops, not classified as Group H, located in a Group E or 1—2 occupancy Group I—3 cells equipent with padded surfaces Shaft Enclosures — Other N/A		Bearing Wall	VY =9.6	
Group I—2 waste and linen collection rooms Corridor Separation N/A		Wind Load: Basic Wind Speed120 mph (ASCE 7-10) KIP Exposure CategoryB Architectural Mechanical Components anchored? Yes No.		P
Waste and linen collection rooms over 100 square feet Stationary storage battery system having a liquid electrolyte capacity of more than 50 gallons, or a lithium—ion Party/Fire Wall Separation N/A		Wind Base Shears (for MWFRS): Vx = 19.5 KIPS_ Vy = 47.5 KIPS Lateral design Control: Earthquake Wind		Draw
capacity of 1000 pounds used for a facility standby power, emergency power or uniterrupted power supplies Rooms containing fire pumps Robert Separation N/A N/A		Soil Bearing Capacities:		
Group I-2 storage rooms over 100 square feet Tenant Separation N/A		Field Test (provide copy of test report)2,000 Presumptive Bearing capacity Pile size, type, and capacity	psf	A Chec
Group I-2 commercial kitchens Group I-2 laundries equal to or less than 100 square feet				