# 2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

## (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

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

Address: <u>9706</u> Owner/Authorize Owned By:	et: _Circle K - Angier, N Kennebec Church Rd, A zed Agent: <u>Rashmi Meh</u> Cit nent Jurisdiction: \( \subseteq Cit	Angier, NC 2750 adia Phone # (70 y/County	3) 659-8253 E-	Mail <u>Rashmi.meha</u> ivate	de27501_ adia@rdcollaborative.com  State State
CONTACT: _DESIGNER Architectural Civil Electrical Fire Alarm Plumbing Mechanical Sprinkler-Standp Structural Retaining Walls Other ("Others" should	JBA	Ralph Watson Richard W. Bake Jason C. Adams Jason C. Adams Jason M. Scates Jason M. Scates Bart J. Halverson	r 022530 036972 036972 055196 055196	(980) 446-3308 r (479) 636-5004 (479) 636-5004 (479) 636-5004 (479) 636-5004 ()	E-MAIL son@rdcollaborative.com rick.baker@timmons.com jca@teamofchoice.com jms@teamofchoice.com jms@teamofchoice.com jms@teamofchoice.com jms@teamofchoice.com
CONS' RENO	☐ 1st ☐ She	Time Interior Con  Il/Core sed Construction  ovation  DE: Prescript  n: Level I  Historic  ORIGIN	tive Rep Lev Property AL OCCUPAN II	Renovation  Pair  Pair  Polity of II  POCY(S) (Ch. 3):  NCY(S) (Ch. 3):  III  III	Chapter 14   Level III   Change of Use
BASIC BUILD Construction To (check all that a Sprinklers: Standpipes: Fire District: Special Inspects	Type: ☐ I-A  upply) ☐ I-B  ☐ No ☐ Partial ☐ Y  ☐ No ☐ Yes Class ☐ No ☐ Yes (Priman	s□I □II	□ III □ W€		☐ V-A B Convenience Store-M PA 13D ☐ Yes

#### **Gross Building Area:** NEW (SQ FT) RENO/ALTER **FLOOR** EXISTING (SQ SUB-TOTAL (SQ.FT) FT) 6th Floor 5th Floor 4<sup>th</sup> Floor 3rd Floor 2<sup>nd</sup> Floor Mezzanine 1st Floor 3,962 SF (C-3,962 SF N/A Store) Basement 3,962 SF TOTAL ALLOWABLE AREA Primary Occupancy Classification: **SELECT ONE** Assembly $\square$ A-1 $\square$ A-2 $\square$ A-3 $\square$ A-4 $\square$ A-5 Business Educational F-2 Low Factory | F-1 Moderate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM Hazardous H-1 Detonate Institutional I-1 Condition 1 2 1-2 Condition 1 $\boxed{1-3}$ Condition $\boxed{1}$ $\square 2 \square 3 \square 4 \square 5$ 1-4 Mercantile X Residential R-1 R-2 R-3 R-4 S-1 Moderate S-2 Low High-piled Storage Parking Garage Open Repair Garage Enclosed Utility and Miscellaneous Accessory Occupancy Classification(s): \_\_N/A\_\_\_\_\_ Incidental Uses (Table 509): N/A Special Uses (Chapter 4 – List Code Sections) Special Provisions: (Chapter 5 – List Code Sections): Separation: N/A Hr. Exception: N/A **Mixed Occupancy:** ⊠ No Yes 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 < 1 Allowable Area of Occupancy A Allowable Area of Occupancy B < 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 <sup>4</sup> AREA	(C) AREA FOR FRONTAGE INCREASE <sup>1,5</sup>	(D) ALLOWABLE AREA PER STORY OR UNLIMITED <sup>2,3</sup>
1	Convenience Store - M	3,962 SF	9,000 SF	N/A	9000 SF - VB

<sup>&</sup>lt;sup>1</sup> Frontage area increases from Section 506.3 are computed thus: N/A

- 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  $I_f = 100 \left[ \overline{F/P} 0.25 \right] \times W/30 = (\%)$
- <sup>2</sup> Unlimited area applicable under conditions of Section 507.
- <sup>3</sup> Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
- <sup>4</sup> The maximum area of open parking garages must comply with Table 406.5.4
- <sup>5</sup> Frontage increase is based on the unsprinklered area value in Table 506.2.

## ALLOWABLE HEIGHT

	ALLOWABLE (TABLE 503)	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	40'-0"	22'-0"	NCSBC 2018
Building Height in Stories (Table 504.4)	1	1	NCSBC 2018

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

<sup>&</sup>lt;sup>2</sup> The maximum height of air traffic control towers must comply with Table 412.3.1

<sup>&</sup>lt;sup>3</sup> The maximum height of open parking garages must comply with Table 406.5.4

## FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE		RATING	DETAIL#	DESIGN#	DESIGN # FOR	DESIGN#
	SEPARATION	REQ'D	PROVIDED	AND	FOR	RATED	FOR
	DISTANCE		(W/* REDUCTION)	SHEET#	RATED	PENETRATION	RATED
G: 17	(FEET)		REDUCTION)		ASSEMBLY		JOINTS
Structural Frame,							
including columns, girders, trusses							
Bearing Walls							
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing Walls and Partitions							
Exterior walls							
North							
East							
West							
South							
Interior walls and partitions							
Floor Construction							
Including supporting beams							
and joists							
Floor Ceiling Assembly							
Column Supporting Floors							
Roof Construction, including supporting beams and joists							
Roof Ceiling Assembly							
Column Supporting Roof							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

<sup>\*</sup> Indicate section number permitting reduction

## PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET FROM PERPERTY LINES	DEGREES OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

Exit Signs:   No   Yes   Fire Alarm:   No   Yes   Fire Andrew:   No   Yes    LIFE SAFETY PLAN REQUIREMENTS  Life Safety Plan Sheet #: Al.0 and Gl.0   Fire and/or smoke rated wall locations (Chapter 7)   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)   Occupanty loads for each area as it relates to occupant load calculation (Table 1004.1.2)   Occupant loads for each area as it relates to occupant load calculation (Table 1004.1.2)   Common path of travel distances (1017)   Common path of travel distances (1006.2.1 & 2006.3.2(1))   Dead end lengths (1020.4)   Clear exit widths for each exit door Maximum calculated 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 structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.   Location of doors with planic hardware (1010.1.10)   Location of doors with planic hardware (1010.1.10)   Location of doors with electromagnetic egress locks (1010.1.9.9)   Location of doors equipped with hold-open devices   Location of doors equipped with hold-open devices   Location of emergency escape windows (1030)   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			Ll	IFE SAFETY S	SYSTEM RE	QUIREMEN	NTS		
Life Safety Plan Sheet #: A1.0 and G1.0    Fire and/or smoke rated wall locations (Chapter 7)   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)   Occupanty types for each area as it relates to occupant load calculation (Table 1004.1.2)   Occupant loads for each area.   Exit access travel distances (1017)   Common path of travel distances (1006.2.1 & 2006.3.2(1))   Dead end lengths (1020.4)   Clear exit widths for each exit door   Maximum calculated 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 structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.   Location of doors with painc hardware (1010.1.10)   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 1-2 (407.5)   Note any code exceptions or table notes that may have been utilized regarding the items above    Section/Table/Note	Exit Signs:								
Fire and/or smoke rated wall locations (Chapter 7)  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)  Occupant loads for each area as it relates to occupant load calculation (Table 1004.1.2)  Occupant loads for each area.  Exit access travel distances (1017)  Common path of travel distances (1006.2.1 & 2006.3.2(1))  Dead end lengths (1020.4)  Clear exit widths for each exit door  Maximum calculated 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 structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.  Location of doors with panic hardware (1010.1.10)  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 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**  Accessible Dwelling** Units** Units*				LIFE SAFET	Y PLAN RE	QUIREMEN	TS		_
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)  Occupant loads for each area as it relates to occupant load calculation (Table 1004.1.2)  Occupant loads for each area.  Exit access travel distances (1017)  Common path of travel distances (1006.2.1 & 2006.3.2(1))  Dead end lengths (1020.4)  Clear exit widths for each exit door  Maximum calculated 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 structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.  Location of doors with panic hardware (1010.1.10)  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)  **ACCESSIBLE DWELLING UNITS**  Linits**  UNITS**  UNITS*  UNITS	Life S	afety Plan Sheet #:	A1.0 and G	1.0					
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)  Occupant loads for each area as it relates to occupant load calculation (Table 1004.1.2)  Occupant loads for each area.  Exit access travel distances (1017)  Common path of travel distances (1006.2.1 & 2006.3.2(1))  Dead end lengths (1020.4)  Clear exit widths for each exit door  Maximum calculated 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 structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.  Location of doors with panic hardware (1010.1.10)  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)  **ACCESSIBLE DWELLING UNITS**  Linits**  UNITS**  UNITS*  UNITS	П	Fire and/or smoke	rated wall loc	ations (Chapter	. 7)				
Occupanty types for each area as it relates to occupant load calculation (Table 1004.1.2)  Occupant loads for each area.  Exit access travel distances (1017)  Common path of travel distances (1006.2.1 & 2006.3.2(1))  Dead end lengths (1020.4)  Clear exit widths for each exit door  Maximum calculated 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 structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.  Location of doors with panic hardware (1010.1.10)  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 1-2 (407.5)  Note any code exceptions or table notes that may have been utilized regarding the items above   **ACCESSIBLE DWELLING UNITS**  CSECTION 1107)  ACCESSIBLE DWELLING UNITS  UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS					*	an)			
Soccupant loads for each area.		Exterior wall open	ing area with	respect to dista	nce to assume	d property lin	nes (705.8)		
Exit access travel distances (1017)  Common path of travel distances (1006.2.1 & 2006.3.2(1))  Dead end lengths (1020.4)  Clear exit widths for each exit door  Maximum calculated 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 structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.  Location of doors with panic hardware (1010.1.10)  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 1-2 (407.5)  Note any code exceptions or table notes that may have been utilized regarding the items above   **ACCESSIBLE DWELLING UNITS**  CSECTION 1107)  **ACCESSIBLE DWELLING UNITS**  CSECTION 1107)  **Total Accessible Accessible Type A Type A Type B Type B Total Units Units Units Units Units Units Units Units Units				s it relates to o	ecupant load o	calculation (Ta	able 1004.1.2)		
Common path of travel distances (1006.2.1 & 2006.3.2(1))  □ Dead end lengths (1020.4)  □ Clear exit widths for each exit door  □ Maximum calculated 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 structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.  □ Location of doors with panic hardware (1010.1.10)  □ 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 1-2 (407.5)  □ Note any code exceptions or table notes that may have been utilized regarding the items above   **ACCESSIBLE DWELLING UNITS**  CSECTION 1107)    Total   Accessible   Accessible   Type A   Type B   Type B   Total   Type B   Total   Type B   Type B   Total   Type B   Type B   Total   Type B   Type		•							
□ Dead end lengths (1020.4) □ Clear exit widths for each exit door □ Maximum calculated 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 structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier. □ Location of doors with panic hardware (1010.1.10) □ 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    Section/Table/Note	_								
Clear exit widths for each exit door		•		s (1006.2.1 & 2	(006.3.2(1))				
Maximum calculated 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 structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.  Location of doors with panic hardware (1010.1.10)  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**  CSECTION 1107)  **ACCESSIBLE DWELLING UNITS**  CSECTION 1107)  **Total Accessible Accessible Type A Type B Type B Total Units U		Clear exit widths for each exit door							
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 and supporting construction for a fire barrier/fire partition/smoke barrier.  Location of doors with panic hardware (1010.1.10)  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**  CSECTION 1107)  **ACCESSIBLE DWELLING UNITS**  CSECTION 1107)  **Total Accessible Accessible Type A Type B Type B Total Units	=							egress width (1005 3)	
A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.  □ Location of doors with panic hardware (1010.1.10) □ 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  ■ Section/Table/Note ■ Title ■ Title ■ Title ■ Title ■ Total Accessible Accessible Type A Type B Type B Total Units	=					<b>WIT WOO</b> 01111110		- Bross William (1990.5)	
		A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes						is provided for purposes of	f
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    Section/Table/Note								barrier.	
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    Section/Table/Note			-						
Location of doors equipped with hold-open devices     Location of emergency escape windows (1030)     ⊤he square footage of each fire area (202)     ⊤he 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    Section/Table/Note			-	-			0.1.9.7)		
□ 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    Section/Table/Note	닏			-		9.9)			
☐ 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  Section/Table/Note ☐ Title ☐ Title ☐ ACCESSIBLE DWELLING UNITS (SECTION 1107)  TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE B TYPE B TOTAL UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS	片								
☐ 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  Section/Table/Note  ☐ Title  ☐ ACCESSIBLE DWELLING UNITS  (SECTION 1107)  ☐ TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE B TYPE B TOTAL UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS	님	_	-						
Note any code exceptions or table notes that may have been utilized regarding the items above    Section/Table/Note	H				t for Occupan	cy Classificat	ion I-2 (407.5	)	
Section/Table/Note  Title  ACCESSIBLE DWELLING UNITS (SECTION 1107)  TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE B TYPE B TOTAL UNITS UNITS UNITS UNITS UNITS UNITS ACCESSIBLE UNITS	H								
ACCESSIBLE DWELLING UNITS (SECTION 1107)  Total Accessible Accessible Type A Type B Type B Total Units Units Units Units Units Units Units Units Units		Trote uny code exe	eptions of the	ie notes that me	iy nave occii (	minzea regure	ing the items	40010	
ACCESSIBLE DWELLING UNITS (SECTION 1107)  Total Accessible Accessible Type A Type B Type B Total Units Units Units Units Units Units Units Units Units		Section/Tab	le/Note			Title	<del></del>		
(SECTION 1107)  Total Accessible Accessible Type A Type B Type B total Units Units Units Units Units Units Units Units									
(SECTION 1107)  Total Accessible Accessible Type A Type B Type B total Units Units Units Units Units Units Units Units									
(SECTION 1107)  Total Accessible Accessible Type A Type B Type B total Units Units Units Units Units Units Units Units						_			
(SECTION 1107)  Total Accessible Accessible Type A Type B Type B total Units Units Units Units Units Units Units Units									_
Units Units Units Units Units Units Units Accessible Units									
Units Units Units Units Units Units Units Accessible Units	TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE A TYPE B TYPE B					Түре В	TOTAL		
I REGULATED FEMALUED FROM DED		TS UNITS							

## ACCESSIBLE PARKING

## (SECTION 1106)

LOT OR PARKING	TOTAL # OF PA	RKING SPACES	# OF AC	CESSIBLE SPACES PRO	ESSIBLE SPACES PROVIDED		
AREA	REQUIRED	PROVIDED	REGULAR WITH	VAN SPAC	ES WITH	ACCESSIBLE	
			5' ACCESS	132" ACCESS	8' ACCESS	PROVIDED	
			AISLE	AISLE	AISLE		
	27	27	Provided 8'	N/A	N/A	2	
TOTAL		27					

## PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

J	JSE	7	WATERCLOS	ETS	URINALS	LAVATORIES		SHOWERS	DRINKING	FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/ TUBS	REGULAR	ACCESSIBLE
SPACE	EXIST'G										
	NEW	1	2	N/A	2	3	3	N/A	N/A	N/A	N/A
	REQ'D	1	1	N/A	0	1	1	N/A	N/A	N/A	N/A

## SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, SCO, DPI, DHHS, ICC, etc., describe below)
Health Approval from NCDHHS

#### **ENERGY SUMMARY**

#### **ENERGY REQUIREMENTS:**

The following data shall be considered minimum and any special attribute required to meet the **North Carolina Energy Conservation 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.

Existing building envelope complies 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 □ 5	5A
	Performance Prescriptive  1 Performance Prescriptive  Decify source here)
THERMAL ENVELOPE (Prescriptive method	only)
Roof/ceiling Assembly (each assembly)	
Description of assembly: TPO (Panel.	(Thermoplastic Polyolenm Membrane) Roofing System Over Sip Roof
R-Value of insulation:	
Exterior Walls (each assembly)	
U-Value of total assembly:	.27
Floors over unconditioned space (each Description of assembly: U-Value of total assembly: R-Value of insulation:	assembly) N/A
Floors slab on grade	
Description of assembly: U-Value of total assembly: R-Value of insulation: Horizontal/Vertical requirements Slab Heated:	
2018 NC Administrative Code and Policies	Appendix B for Building

## 2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

STRUCTURAL DESIGN

(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

Importance Factors: Snow (I <sub>S</sub> ) 1.0 Seismic (I <sub>E</sub> ) 1.0  Live Loads: Roof 20 psf	DESIGN LOADS:					
Mezzanine N/A psf Floor 100 psf  Ground Snow Load: 15 psf  Wind Load: Ultimate Wind Speed Exposure Category C  SEISMIC DESIGN CATEGORY: A B C D  Provide the following Seismic Design Parameters:  Occupancy Category (Table 1604.5) I II III III IV  Spectral Response Acceleration Ss %g S1 %g Site Classification (ASCE 7) A B C D E F  Data Source: Field Test Presumptive Historical Data  Basic structural system Bearing Wall Dual w/Special Moment Frame Dual w/Intermediate R/C or Special Steel  Moment Frame Inverted Pendulum  Analysis Procedure: Simplified Equivalent Lateral Force Dynamic Architectural, Mechanical, Components anchored? Yes No  LATERAL DESIGN CONTROL: Earthquake Wind SOIL BEARING CAPACITIES: Field Test (provide copy of test report) 2500 psf Presumptive Bearing capacity N/A psf	Importance Factors:					
Wind Load: Ultimate Wind Speed Exposure Category C  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 <sub>S</sub> %g S <sub>1</sub> %g  Site Classification (ASCE 7) A B C D E F  Data Source: Field Test Presumptive Historical Data  Basic structural system Bearing Wall Dual w/Special Moment Frame Dual w/Intermediate R/C or Special Steel  Moment Frame Inverted Pendulum  Analysis Procedure: Simplified Equivalent Lateral Force Dynamic Architectural, Mechanical, Components anchored? Yes No  LATERAL DESIGN CONTROL: Earthquake Wind SOIL BEARING CAPACITIES: Field Test (provide copy of test report) 2500 psf Presumptive Bearing capacity N/A psf	Live Loads:	Mezzanine	N/A psf			
Exposure Category C  SEISMIC DESIGN CATEGORY:	Ground Snow Load:	15 psf				
Provide the following Seismic Design Parameters:  Occupancy Category (Table 1604.5)				6 mph (ASC	E-7)	
Occupancy Category (Table 1604.5)	SEISMIC DESIGN CATEGORY	<b>/:</b>	□ A 🛛	В С	D	
Spectral Response Acceleration S <sub>s</sub> %g S <sub>1</sub> %g  Site Classification (ASCE 7)	Provide the following Seismic Des	ign Parameters:				
Site Classification (ASCE 7)	Occupancy Category (Ta	able 1604.5)		III 🔲 III	□IV	
Data Source:						
Basic structural system  Bearing Wall  Building Frame  Moment Frame  Moment Frame  Inverted Pendulum  Analysis Procedure:  Architectural, Mechanical, Components anchored?  LATERAL DESIGN CONTROL:  Earthquake  Wind  SOIL BEARING CAPACITIES:  Field Test (provide copy of test report) 2500 psf Presumptive Bearing capacity N/A psf	`	′ =			<u> </u>	
Building Frame  □ Dual w/Intermediate R/C or Special Steel   □ Moment Frame  □ Inverted Pendulum  Analysis Procedure:  □ Simplified  □ Equivalent Lateral Force □ Dynamic  Architectural, Mechanical, Components anchored? □ Yes □ No  LATERAL DESIGN CONTROL: Earthquake □ Wind □  SOIL BEARING CAPACITIES: Field Test (provide copy of test report) 2500 psf Presumptive Bearing capacity N/A psf						
Moment Frame   Inverted Pendulum   Simplified   Equivalent Lateral Force   Dynamic   Architectural, Mechanical, Components anchored?   Yes   No   No    LATERAL DESIGN CONTROL: Earthquake   Wind   Wind   SOIL BEARING CAPACITIES: Field Test (provide copy of test report) 2500 psf   Presumptive Bearing capacity   N/A psf   N/	Basic structural system		-		•	
Analysis Procedure: Simplified Sequivalent Lateral Force Dynamic Architectural, Mechanical, Components anchored? Yes No  LATERAL DESIGN CONTROL: Earthquake Wind Soil BEARING CAPACITIES: Field Test (provide copy of test report) 2500 psf Presumptive Bearing capacity N/A psf			-		-	teel
Architectural, Mechanical, Components anchored?  ☐ Yes  ☐ No  LATERAL DESIGN CONTROL: Earthquake  ☐ Wind  ☐  SOIL BEARING CAPACITIES: Field Test (provide copy of test report) 2500 psf Presumptive Bearing capacity N/A psf		_		=	<u> </u>	
LATERAL DESIGN CONTROL: Earthquake  Wind  SOIL BEARING CAPACITIES:  Field Test (provide copy of test report) 2500 psf Presumptive Bearing capacity N/A psf	•		•	-		ı1C
SOIL BEARING CAPACITIES:  Field Test (provide copy of test report) 2500 psf Presumptive Bearing capacity N/A psf	Architectural, Mechanic	al, Component	s anchored?	∐ Y es	⊠ No	
Field Test (provide copy of test report) 2500 psf Presumptive Bearing capacity N/A psf	LATERAL DESIGN CONTROL	Earth	quake 🗌	Wind $\boxtimes$		
	Field Test (provide copy of Presumptive Bearing capa	of test report) 25 acity N/A psf	000 psf			

## 2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN (PROVIDE ON THE MECHANICL SHEETS IF APPLICABLE)

#### **MECHANICAL SUMMARY**

## MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

#### Thermal Zone

winter dry bulb: 22.7 Deg F summer dry bulb: 97 Deg F

#### Interior design conditions

winter dry bulb: 67 summer dry bulb: 80 relative humidity: 50

**Building heating load: 49.3 MBH** 

**Building cooling load: 95.3 MBH** 

## **Mechanical Spacing Conditioning System**

Unitary

description of unit: Rooftop Packaged Unit

heating efficiency: 80% cooling efficiency: 16.1 SEER size category of unit: 4 and 5 ton

Boiler

Size category. If oversized, state reason.: N/A

Chiller

Size category. If oversized, state reason.: N/A

List equipment efficiencies: N/A

## 2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

ELECTRICAL DESIGN (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

## **ELECTRICAL SUMMARY**

## ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code: ☐ Prescriptive ☐ Performance ☐ Prescriptive ☐ Performance
Lighting schedule (each fixture type) lamp type required in fixture. – Reference E0.0 ELECTRICAL COVER SHEET AND LEGEND, lighting schedule.
number of lamps in fixture – Reference E0.0 ELECTRICAL COVER SHEET AND LEGEND, lighting schedule.
ballast type used in the fixture. – Reference E0.0 ELECTRICAL COVER SHEET AND LEGEND, lighting schedule.
number of ballasts in fixture – Reference E0.0 ELECTRICAL COVER SHEET AND LEGEND, lighti schedule.
total wattage per fixture – Reference E0.0 ELECTRICAL COVER SHEET AND LEGEND, lighting schedule.
total interior wattage specified vs. allowed (whole building or space by space) – 3517W total interior wattage allowed, 3441W total wattage proposed. Reference E5.1 LIGHTING COMPLIANCE REPOR
total exterior wattage specified vs. allowed. – 5690W total exterior wattage allowed, 4857W total watta proposed. Reference E5.1 LIGHTING COMPLIANCE REPORT.
Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1)
C406.2 More Efficient Mechanical Equipment
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