#### APPENDIX B

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

(EXCEPT ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES)

	NORTH CAR			_	Zip Co	de 28516	
Owner/Authorized Agent: _ E					E-Mail	eugene.foxworth@carteret	countyr
Owned By:	City/County			tate			
Code Enforcement Jurisdiction	on: X City □□-	AUFORT	LCo	unty			
CONTACT:							
DESIGNER	FIRM	NAME	LICENSE #		PHONE #	E-MAIL	
Architectural Coastal	Architecture	Lee Dixon	6419	(252)	247-2127	lee@coastalarchitecture.n	et
Civil				_()			
Electrical				_()			
Fire Alarm		_		_()			
Plumbing				_()			
Mechanical				_()			
Sprinkler-Standpipe Structural FDR Engi	ineers	Heath Hendrick	Ø35655	.()_ (919.)_	957-5100	Dhhendrick@fdr-eng.com	
Retaining Walls > 5 feet High				( <u>3,3</u> )	33 1 3 13 2		
Other				_(/_			
("Other" should include firm	ns and individuals	such as truss precast pre	e-engineered	interior o	designers etc.)		
CONSTRUCTED: (date) <u> </u> RENOVATED: (date) <u> </u>		CURRENT USE(S) (Ch. PROPOSED USE(S) (Ch. rrent: II	h. 3): <u>BUS</u>		S/EXISTIN S/EXISTIN [		
BASIC BUILDING DATA	EXISTI	NG BUILDING -	REPAIRS	<b>&gt;</b>			
Construction Type:	☐ I-A	☐ II-A	☐ III-A		□ IV	V-A	
(check all that apply)	☐ I-B	<b>⊠</b> II-B	☐ III-B			☐ V-B	
Sprinklers: No	Partial	☐ NFPA 13	☐ NFP/	A 13R	☐ NFP.	A 13D	
Standpipes: X No	Class 🔲 I	II     III	Wet		ry		
Primary Fire District:	<b>⊠</b> No □Yes	Floor	d Hazard Area	: <b>X</b> N	lo Yes		
Special Inspections Requir	ed: 🛛 No 🔲 Y	es					
		GROSS BUILDIN					
	xisting (sq ft)	New (sq ft)	Subtot	al			
3rd Floor							
2nd Floor			<u> </u>				
NA i		<del>EXISTI</del>	N(±				
Mezzanine 1st Floor	- L	_/\\					
Mezzanine 1st Floor Basement	•	NO AD	•				

		JA-2	∐ A-4	∐ A-5	
Business Educationa					
		F-2 Low			
Factory Hazardous	_	∐F-2 Low ]H-2 Deflagrate∭H-3 C	ombust□⊔ 4 Hoolth□	Пы в прм	
Institutional					
I-3 Condi			フロドは		
I-2 Condi			- 11 1 -		
I-3 Condi			LDING	t	
Mercantile				7	
Residential	⊔ ПR-1 Г	☐ R-3	☐ R-4		
Storage	S-1 Moderate		☐ High-pile	d	
Otorage	_	Open Enclosed			
Litility and I	Miscellaneous	Open	Перап С	araye	
Othicy and i	viiscellarieous				
Accessory Occupand	cy Classification(s):				
Incidental Uses (Table	: 509):				
This separation	is not exempt as a Nons	separated Use (see exce	ptions).		
Special Uses (Chapte	er 4 – List Code Section	ns):			
Special Provisions: (	Chapter 5 - List Code	Sections):			
Mixed Occuupancy:	☐No☐Yes Sepa	ration:	Hr. Exception:		
Non-separated Use	e (508.3)				
	ea of Occupancy A + rea of Occupancy A	Actual Area of Occup Allowable Area of Occ	$\frac{vancy\ B}{upancy\ B} \qquad 1 \le$		
				1.00	
	+		= S	1.00	
	+		=S	1.00	
STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE1, 5	(D) ALLOWABLI AREA PER STOR UNLIMITED2, 3
STORY NO.		(A) BLDG AREA PER STORY	(B) TABLE 506.2	(C) AREA FOR FRONTAGE	ALLOWABL AREA PER STOF
STORY NO.		(A) BLDG AREA PER STORY	(B) TABLE 506.2	(C) AREA FOR FRONTAGE	ALLOWABL AREA PER STOR
STORY NO.		(A) BLDG AREA PER STORY	(B) TABLE 506.2	(C) AREA FOR FRONTAGE	ALLOWABL AREA PER STOR
STORY NO.		(A) BLDG AREA PER STORY	(B) TABLE 506.2	(C) AREA FOR FRONTAGE	ALLOWABL AREA PER STOF
	EXIS	BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2	(C) AREA FOR FRONTAGE	ALLOWABL AREA PER STOR
1. Frontage area increa	AND USE  EXIG	BLDG AREA PER STORY (ACTUAL)  TING  are computed thus:	TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE1, 5	ALLOWABL AREA PER STOR
Frontage area increa     a. Perimeter which	Ses from Section 506.2 a fronts a public way or op	(A) BLDG AREA PER STORY (ACTUAL)  The computed thus: en space having 20 feet	TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE1, 5	ALLOWABL AREA PER STOR
Frontage area increa     a. Perimeter which     b. Total Building Pe	ses from Section 506.2 a fronts a public way or operimeter =(P	(A) BLDG AREA PER STORY (ACTUAL)  The computed thus: en space having 20 feet	TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE1, 5	ALLOWABL AREA PER STOR
1. Frontage area increa a. Perimeter which b. Total Building Pe c. Ratio (F/P) =	ses from Section 506.2 a fronts a public way or operimeter =(P	(A) BLDG AREA PER STORY (ACTUAL)  The state of the state	TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE1, 5	ALLOWABL AREA PER STOR
1. Frontage area increa a. Perimeter which b. Total Building Pe c. Ratio (F/P) = d. W = Minimum wi 2. Unlimited area applic	ses from Section 506.2 a fronts a public way or operimeter = (P (F/P) dth of public way = cable under conditions of	(A) BLDG AREA PER STORY (ACTUAL)  The state of the state	TABLE 506.2 AREA  BUILI  minimum width =	(C) AREA FOR FRONTAGE INCREASE1, 5	ALLOWABL AREA PER STO

5. Frontage increase is based on the unsprinklered area value in Table 506.2.

Primary Occupancy Classification(s):

	ENERGY SUMMARY
Designer shall furnish the required portions	mum and any special attribute required to meet the energy code shall also be provided. Each of the project information for the plan data sheet. If performance method, state the annual erus the annual energy cost for the proposed design.
Existing building envelope complies with coo	de: [ (If checked, the remainder of this section is not applicable.)
Exempt Building: Provide code or statuto	ory reference:
Climate Zone: ☐3A ☐4A ☐5A	
Method of Compliance: Energy Code: ☐ Performance ☐ Pre ASHSAE 90.1: ☐ Performance ☐ Pr Other: ☐ Performance (specify source)	rescriptive
THERMAL ENVELOPE: (Prescriptive methor 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 ir	n each assembly:
Exterior Walls (each assembly)  Description of assembly  U-Value of total assembly:  R-Value of insulation:	
Openings (windows or doors with	glazing)
Solar heat gain coefficien	
projection factor: Door R-Values:	
Walls below grade (each assembly	v)
Description of assembly:	·
U-Value of total assembly: R-Value of insulation:	
Floors over unconditioned space (	(each assembly)
Description of assembly:	
U-Value of total assembly: R-Value of insulation:	
Floors slab on grade	
Description of assembly:	
U-Value of total assembly:	
R-Value of insulation: Horizontal/vertical requirement:	<del></del>

	STRUCTURAL DESIGN
DESIGN LOADS:	
Importance Facto	ors: Wind (IW)
	Snow (IS)
	Seismic (IE)
Live Loads:	Roof psf
	Mezzanine psf
	Floor psf
Ground Snow Lo	oad: psf
Wind Load:	Basic Wind Speed mph (ASCE-7)
	Exposure Category
	ESORY: EXISTING
Occupancy Category Spectral Responsite Classification  Basic structural Bearing Wa Building Fra Moment Fra Analysis Procedu  Architectural, Mo	ismic Design Parameters: ISTING gory (Table 1604.5)
Provide the following Sei Occupancy Categ Spectral Respon Site Classification  Basic structural Bearing Wa Building Fra Moment Fra Analysis Procedu	ismic Design Parameters: ISTING gory (Table 1604.5)
Provide the following Sei Occupancy Cated Spectral Respon Site Classification  Basic structural Bearing Wa Building Fra Moment Fra Analysis Procedu Architectural, Mo	ismic Design Parameters: ISTING gory (Table 1604.5)
Provide the following Sei Occupancy Cated Spectral Respon Site Classification  Basic structural Bearing Wa Building Fra Moment Fra Analysis Procedu Architectural, Mo  LATERAL DESIGN CON  SOIL BEARING CAPAC	ismic Design Palameters.   STING   gory (Table 1604.5)
Provide the following Sei Occupancy Categ Spectral Respon Site Classification  Basic structural Bearing Wa Building Fra Moment Fra Analysis Procedu Architectural, Mo  LATERAL DESIGN CON  SOIL BEARING CAPAC Field Test (provid Presumptive Beal	ismic Design Parameters: ISTING gory (Table 1604.5)

<b>ALLOWABLE HE</b>	IGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	ヒンにけ	NG	
Building Height in Stories (Table 504.4)		<b>4</b> 4	
Provide code reference if the "Shown on Plans	a quantity is not based on Table	504 3 or 504 4	

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. FIRE PROTECTION REQUIREMENTS

	FIRE	RATING						
BUILDING ELEMENT	SEPARATION DISTANCE	N PROVIDED		DETAIL # AND	DESIGN # FOR RATED	SHEET # FOR RATED	SHEET # FOR RATED	
	(feet)	REQ'D	(W/* REDUCTION)	SHEET#	ASSEMBLY	PENETRATION		
tructural Frame Including columns, girders, trusse	s							
earing Walls								
Exterior								
North								
East								
West								
South								
onbearing walls and partitions								
Exterior walls								
North								
East								
West								
South								
Interior walls and partitions								
loor Construction Including supporting beams and joists		ΕX	IST	ING				
loor Ceiling Assembly								
columns Supporting Floors								
oof Construction, including supporting beams and joists								
loof Ceiling Assembly								
Columns Supporting Roof								
haft Enclosures—Exit								
haft Enclosures—Other								
Corridor Separation								
Occupancy/Fire Barrier Separation								
arty/Fire Wall Separation								
moke Barrier Separation								
moke Partition								
enant/Dwelling Unit/ leeping Unit Separation								
ncidental Use Separation								
ndicate section number permitting	reduction		•			-		

#### MECHANICAL DESIGN

#### 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:

## Building cooling load: \_\_\_\_\_

## **Mechanical Spacing Conditioning System**

description of unit heating efficiency: \_\_\_ cooling efficiency: size category of unit: \_\_\_

Size category. If oversized, state reason.: Size category. If oversized, state reason.:

List equipment efficiencies: \_\_\_\_\_

## ELECTRICAL DESIGN

# **ELECTRICAL SUMMARY**

## ELECTRICAL SYSTEM AND EQUIPMENT

Energy Code: Prescriptive Performance ASHRAE 90.1: Prescriptive Performance

Lighting schedule (each fixture type) lamp type required in fixture

THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

number of lamps in fixture

total interior wattage specified versus allowed (whole building or space by space)

total exterior wattage specified versus allowed

**Additional Prescriptive Compliance** ☐ 506.2.1 More Efficient Mechanical Equipment 506.2.2 Reduced Lighting Power Density 506.2.3 Energy Recovery Ventilation Systems

506.2.4 Higher Efficiency Service Water Heating

506.2.5 On-Site Supply of Renewable Energy 506.2.6 Automatic Daylighting Control Systems

FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)	
	->10	+111		

PERCENTAGE OF WALL OPENING CALCULATIONS

#### LIFE SAFETY SYSTEM REQUIREMENTS

# Emergency Lighting TI Yes No BUILDING Exit Styris: X ISTING No BUILDING Fire Alarm: Smok/ Telephonic Steps: A Styris TO EXTERIOR ONLY) Carbon Monada Detection.

#### LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: \_

☐ 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) Occupancy Use 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 [Tables 1006.2.1 & 1006.3.2(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

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)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
			N	<u>/                                    </u>			
			1 3/	$\overline{}$			

#### ACCESSIBILE PARKING

LOT OR PARKING AREA	TOTAL # OF PA	RKING SPACES	# OF AC			
				VAN SPA	TOTAL #	
	REQUIRED PROVIDED		REGULAR WITH 5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	ACCESSIBLE PROVIDED
		<u> </u>	(1511N	G		
TOTAL						

#### PLUMBING FIXTURE REQUIREMENTS

USE	WATERCLOSETS		URINALS	LAVATORIES			SHOWERS/	DRINKING FOUNTAINS		
002	Male	Female	Unisex	UKINALS	Male	Female	Unisex	TUBS	Regular	Accessible
REQ'D			_		2 <b>+</b> IN	. ما				
PROVIDED			F		וווכ					

## SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)



Coastal

Architectural

Institute of Architects

Lee D. Dixon, Jr., AIA 252-247-2127

4206 Bridges St. Ext.

Suite C Morehead City, NC

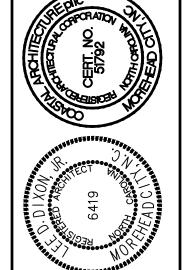
28557

www.CoastalArchitecture.ne

Design

Planning

Interiors



GENERAL DATA

DWG BY: MSG CKD BY: LDD

REVISIONS

SHEET NO.