2018 APPENDIX B - Building Code Summary

Address:	E-mail
City City City City County State	tional
Designer	tional
Designer	tional
Designer	tional
Architectural	tional
Electrical N/A Plumbing N/A N/A Plumbing N/A N/A Sprinker-Standpipe N/A N/A Sprinker-Standpipe N/A N/A Sprinker-Standpipe N/A Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Sprinker-Standpipe N/A Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 336-415-3540 Mcore and Assoc Engineering Wayne S. Moore NC 26784 Mcore and Assoc Engineering Wayne S. Moore NC 26784 Mcore and Tenginements Mcore and Tenginements Mcore and Tengineering Mcore and Tengineering	
Fire Alarm	
Machanical Sprinder-Standpipe	
Structural Walls-6' HighNVA	
Other	
New Building	
1st Time Interior Completion Shell / Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell / Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell / Core - Contact the local inspection jurisdiconsolate additional procedures and requirements Phased Construction - Shell / Core - Contact the local inspection jurisdiconsolate additional procedures and requirements Phased Construction Pha	
1st Time Interior Completion Shell / Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Procedures and requirements Procedures and requirements Prescriptive Repair Chapter 14	
Procedures and requirements Phased Construction - Shell / Core - Contact the local inspection jurisdic possible additional procedures and requirements	
Pinsed Construction - Shell / Core - Contact the local inspection jurisdinossible additional procedures and requirements 2018 NC EXISTING BUILDING CODE: EXISTING:	liction for
Dossible additional procedures and requirements	
Alteration:	
Alteration:	
CONSTRUCTED: (date)	
RENOVATED: (date)	
RENOVATED: (date)	
RISK CATEGORY: (Table 1604.5):	_
Proposed:	
Construction Type:	
Construction Type:	
Barriade Barriade	
Sprinklers: No □ Partial □ Yes □ NFPA 13 □ NFPA 13R □ NFPA 13D Standpipes: No □ Yes Class □ I □ II □ III	
Standpipes: No	
Fire District:	
Special Inspections Required: No	
GROSS BUILDING AREA TABLE	
First Floor	
Floor	
First Floor 3200 sf 3200 sf 3200 sf Second Floor TOTAL 3200 sf Second Floor TOTAL 3200 sf Second Floor TOTAL 3200 sf Second Floor Assembly A-1 A-2 A-3 A-4 A-5 Business X Educational Factory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health Institutional I-1 Condition I 2	
Second Floor	_
Second Floor	_
Second Floor TOTAL 3200 sf	_
Second Floor	
Second Floor TOTAL 3200 sf	_
TOTAL 3200 sf	_
LLOWABLE AREA Primary Occupancy: Assembly	_
Arimary Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business S Educational Factory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health Institutional I-1 Condition 1 2	_
Arimary Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business S Educational Factory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health Institutional I-1 Condition 1 2	
Assembly	
Business ☒ Educational ☐ Factory ☐ F-1 Moderate ☐ F-2 Low Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health Institutional ☐ I-1 Condition ☐ I ☐ 2	
Educational	
Factory	
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health Institutional I-1 Condition 1 2	
Institutional	_
	☐ H-5
I-2 Condition 1 2	
☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	
☐ I-4	
Mercantile	
Residential R-1 R-2 R-3 R-4	
Storage S-1 Moderate S-2 Low High-Piled	
Parking Garage Open Enclosed Repair Garage	
Utility and Miscellaneous	
ccessory Occupancy Classification(s):	
cidental Uses: (Table 509):	
pecial Uses (Chapter 4 - List Code Sections):	
pecial Provisions: (Chapter 5 - List Code Sections):	
lixed Occupancy: X No Yes Separation: Hr: Exception:	
Non-Separated Use (508.3) The required type of construction of 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) a 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 are 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	··ea
 + 	···ea
Allowable Area of Occupancy A Allowable Area of Occupancy B 1	'ea
+ <	'ea

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.24 AREA	(C) AREA FOR FRONTAGE INCREASE ^{1,5}	(D) ALLOWABLE AREA PER STORY O UNLIMITED 2.3
1	AUTOMOTIVE MECHANICS	3200 sf			
2					

- Frontage area increases from Section 506.3 are computed thus: $\underline{\text{N/A}}$ a. Perimeter which fronts a public way or open space having 20 feet minimum width = $\underline{\text{N/A}}$ (F)
- a. Perimeter which fronts a public way or open space having 20 feet minimum b. Total Building Perimeter = N/A_ (P) c. Ratio (F/P) = N/A_ (F/P) d. W= Minimum width of public way = N/A_ (W) e. Percent of frontage increase $|_{\mathbf{f}}$ = 100 [F/F 0.25] x W/30 = N/A_ (%) Unlimited area applicable under conditions of Section 507

- 3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2)
- 4 The maximum area of open parking garages must comply with Table 406.5.4
 Frontage increase is based on the unsprinklered area value in Table 506.2

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) 2	55'	20'	
Building Height in Stories (Table 504.4) ³	1		

- Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4 The maximum height of air traffic control towers must comply with Table 412.3.1 The maximum height of open parking garages must comply with Table 406.5.4

FIRE PROTECTION REQUIREMENTS

BUILDING	FIRE SEP.	R/	ATING	DETAIL NO.		DESIGN NO.	DESIGN NO.
ELEMENT	(FEET)	REQ'D	PROVIDED (WITH REDUCTION)	AND SHEET NO.	FOR RATED ASSEMBLY	FOR RATED PENETRATION	FOR RATED JOINTS
Structural frame, including columns, girders, trusses	NA						
Bearing walls	<u>≥</u> 30						
Exterior	≥ 30						
North	≥ 30						
East	≥ 30						
West	≥ 30						
South	≥ 30						
Interior	N/A						
Nonbearing walls and partitions Exterior							
North	N/A						
East	N/A						
West	N/A						
South	N/A						
Interior	N/A						
Floor construction including support beams and joist	N/A						
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof construction including support beams and joist	N/A						
Roof Ceiling Assembly							
Columns Supporting Roof							
Shafts - Exit	N/A						
Shafts - Other	N/A						
Corridor Separation	N/A						
Occupancy / Fire Barrier Separation	N/A						
Party / Fire Wall Separation	N/A						
Smoke Barrier Separation							
Smoke Partition							
Tenant / Dwelling Unit / Sleeping Unit Separation							
Incidental Use Sep.							

*Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS								
FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)					

	TETY SYSTEM REQUII Emergency Lighting: Exit Signs: Fire Alarm: Smoke Detection Syste Carbon Monoxide Dete	ms:	No No No No	X X X	Yes Yes Yes Yes Yes		Partia	1		
LIFE SAF	ETY PLAN REQUIRE	MENTS								
Life Safe	ty Plan Sheet #	3								
Fire :	and/or smoke rated wal	locations (Cha	pter 7)							
Assu	med and real property	ine locations (if	f not on	site pla	an)					
Exter	rior wall opening area w	ith respect to d	istance	to ass	umed p	rope	erty line	s (705.8)		
Occu	pancy Use for each are	a as it relates	to occu	pant loa	ad calc	ulati	on (Tab	le 1004.1.2)		
Occi.	pant loads for each are	a								
X Exit	access travel distances	(1017)								
X Com	mon path of travel dista	nces (Tables 1	006.2.1	& 100	6.3.2(1))				
Dead	end lengths (1020.4)									
X Clea	r exit widths for each ex	it door								
Maxi	mum calculated occupa	int load capacit	y each	each e	xit doo	r car	accom	modate based	d on egress widt	h (100
Actu	al occupant load for each	h exit door								
A se purp	parate schematic plan i	ndicating where	e fire ra	ted floo	r/ceilin	g an	d/or roo	f structure is p	provided for	
X Loca	tion of doors with panic	hardware (101	0.1.10)							
Loca	tion of doors with delay	ed egress lock	s and th	ne amo	unt of c	lelay	(1010.	1.9.7)		
Loca	tion of doors with electr	omagnetic egre	ess lock	s (101	0.1.9.9)				
Loca	tion of doors equipped	with hold-open	devices	5						
Loca	tion of emergency esca	pe windows (1	030)							
The:	square footage of each	fire area (202)								
The:	square footage of each	smoke compar	tment f	or Occi	pancy	Cla	ssificati	on I-2 (407.5)		
☐ Note	any code exceptions o	r table notes th	at may	have b	een uti	lized	regard	ing the items a	above.	

					,		
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
NA	NA	NA	NA	NA	NA	NA	NA

ACCESSIBLE DARKING (SECTION 1106)

		ACCE	SOIBLE FARRING (S	SIBLE FARRING (SECTION 1100)				
LOT OR	TOTAL PARKING	NO. OF SPACES	NO. OF ACCESSI	BLE SPACES REQUIRE	D / PROVIDED	TOTAL NO.		
PARKING AREA	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPA 132* ACCESS AISLE	CES WITH 8' ACCESS AISLE	PROVIDED		
NA	NA	NA	NA	NA	NA	NA		
Total								

PLUMBING FIXTURE REQUIREMENTS (Table 2902.1)

USE B	WATERCLOSETS URINAL		URINALS	LAVATORIES		SHOWERS/ TUBS	DRINKING FOUNTAINS	
USEB	MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
PROVIDED	0	0	0		0	0	0	0
REQUIRED	0	0	0		0	0	0	0

STRUCTURAL DESIGN	SEE STRUCTURAL DRAWINGS						
SPECIAL Approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc, describe below)							
MECHANICAL SUMMARY	SEE MECHANICAL DRAWINGS						

ENERGY SUMMARY

The following data shall be considered minimum and any special attribute required to meet the energy code sh
also be provided. Each Designer shall furnish the required portions of the project information for the plan data
also be provided. Each Designer shall lumish 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

Climate 2	Zone: X 3	□ 4	□ 5					
Method o	of Compliance:							
X	Prescriptive (Er	nergy Code)					
	e)							
	1)							
Performance (ASHRAE 90.1)								
HERMAL ENVELOPE Roof/ceiling Assembly (each assembly) Description of assembly								
U-Value of total assembly								
R-Value of insulation								
Skyli	ights in each as	sembly						

total square footage of skylights in each assembly

U-Value of total assembly R-Value of insulation

Openings (windows or doors with glazing) N/A

U-Value of assembly Solar Hear Gain Coefficient Projection Factor

Door R-Values
Wall below grade (each assembly) - N/A
Description of assembly

U-Value of total assembly

R-Value of insulation
Floor over unconditioned space (each assembly) - N/A
Description of assembly

U-Value of total assembly

slab heated - NO

R-Value of insulation
Floor slab on grade
Description of assembly = 4" thick reinforced concrete slab with vapor barrier

U-Value of total assembly = N/A R-Value of insulation = N/A Horizontal/vertical requirement = N/A

nc.

S

Kevin Sessoms Associates 128 WOLF DEN DRIVE GARNER NC 27529 919-247-4620

PLUMBING, ELECTRICAL AND SAFETY PLANS DEPARTMENT OF INTERIORS 26 COMMERCE PARK LANE

3-20-2022

SHEET NUMBER





