BC.CM1906.0001

2012 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)

Name of Project: Address: Proposed Use: Owner/Authorize Owned By: Code Enforcement	td Agent: AV: 1 e2 Ventures Ci	Phone # (919	on, NC) 398 - 132 ☐ Private ☐ County	Zip Code
LEAD DESIGN	PROFESSIONAL:			
DESIGNER Architectural Civil Electrical Fire Alarm Plumbing Mechanical Sprinkler-Standp Structural Retaining Walls Other		NAME	LICENSE #	TELEPHONE # E-MAIL (919)427-7374 randy won eq mail. a
EXISTING: CONSTRUCTE		New Constructio Alteration ORIGINAL US CURRENT US PROPOSED U	Repair SE(S) (Ch. 3): _ E(S) (Ch. 3): _	Upfit Renovation
BASIC BUILDI Construction Ty (check all that ap Sprinklers: Standpipes: Fire District: Building Height Gross Building	pe:	s 🗌 I 🔠 II	□ III-A □ III-B PA 13 □ NF □ III □ Wo Hazard Area:	□ IV □ V-A □ V-B FPA 13R □ NFPA 13D et □ Dry □ No □ Yes
FLOOR	EXISTING (SQ FT)	New (SQ FT)	Sub-Total
5 th Floor 5 th Floor 4 th Floor 3 rd Floor 2 nd Floor Mezzanine 1 st Floor Basement	1700			

ALLOWABLE AREA

Occupancy:
Assembly A-1 A-2 A-3 A-4 A-5
Business
Educational F-1 Moderate F-2 Low
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
Institutional I-1 I-2 I-3 I-4
I-3 Condition 1 2 3 4 5
Mercantile District Description
Residential R-1 R-2 R-3 R-4 Storage S-1 Moderate S-2 Low High-piled
Storage S-1 Moderate S-2 Low High-piled Parking Garage Open Enclosed Repair Garage
Utility and Miscellaneous
Accessory Occupancies:
Assembly A-1 A-2 A-3 A-4 A-5
Business
Educational
Factory F-1 Moderate F-2 Low
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM Institutional I-1 I-2 I-3 I-4
I-3 Condition
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
Incidental Uses (Table 508.2.5):
Furnace room where any piece of equipment is over 400,000 Btu per hour input
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
Refrigerant machine room
Hydrogen cutoff rooms, not classified as Group H
☐ Incinerator rooms
Paint shops, not classified as Group H, located in occupancies other than Group F
Laboratories and vocational shops, not classified as Group H. located in a Group E or I-2 occupancy
Laundry rooms over 100 square feet
Group I-3 cells equipped with padded surfaces
Group I-2 waste and linen collection rooms
Waste and linen collection rooms over 100 square feet
Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-
ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power
supplies Rooms containing fire pumps
Group I-2 storage rooms over 100 square feet
The state of the s
Group I-2 commercial kitchens
Group I-2 laundries equal to or less than 100 square feet
Group I-2 rooms or spaces that contain fuel-fired heating equipment
Special Uses: 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424
\square 425 \square 426 \square 427
Special Provisions: 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.
Mixed Occupancy: ✓ No ☐ Yes Separation: ✓ Hr. Exception: ☐ Incidental Use Separation (508.2.5)
moradinar obe objection (500.2.5)

2012 NC Administrative Code and Policies

à .							
This	separation is no	t exempt as a l	Non-Separated 1	Use (see except	tions).		
			on separates	ore (ore morp			
	Separated Use		on the building	shall be determine	inad by analysis	na tha haight an	d area
	required type of ations for each of						
	truction, so dete				namg. The me	ist restrictive ty	pe or
	rated Use (508.						
	ach story, the ar				m of the rotics	of the actual fla	oor area of
	use divided by					of the actual fic	of area of
cacii	use divided by	ile allowable i	iooi area ioi ea	ch use shan no	t exceed 1.		
A	ctual Area of O	ссирансу А	+ Actual	Area of Occup	ancv B	1	
	wable Area of C			e Area of Occu		1	
				,			
			+		+	=	≤ 1.00
STORY NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)
	AND USE	BLDG AREA	TABLE 5035	AREA FOR	AREA FOR	ALLOWABLE	MAXIMUM
		PER STORY	AREA	FRONTAGE	SPRINKLER	AREA OR	BUILDING
		(ACTUAL)		INCREASE ¹	INCREASE ²	UNLIMITED ³	AREA ⁴
Frontage a	rea increases fro	m Section 506	5.2 are compute	d thus:			
	meter which fro				et minimum wi	dth =	(F)
	al Building Peri		=	(P)		-	
	Cara Iran I	(F/F	P)	- 3. 6			
d. W =	Minimum wid	th of public wa	ny =	(W)			
	cent of frontage			$51 \times W/30 =$	(%))	
	ler increase per			-			
	ti-story building						
	le story building						
	area applicable			07.			
	Building Area =				506.4).		
	num area of ope					aximum area of	air traffic
	rs must comply			ato.			

ALLOWABLE HEIGHT

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Туре		Туре	
Building Height in Feet		Feet = H + 20' =		
Building Height in Stories		Stories + 1 =		

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE		RATING	DETAIL#	DESIGN#	DESIGN#FOR	DESIGN #
	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/* REDUCTION)	AND SHEET#	FOR RATED ASSEMBLY	RATED PENETRATION	FOR RATED 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							
Roof Construction Including supporting beams and joists					v		
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Tenant Separation							
Incidental Use Separation							

	LIFE SAFETY SYSTEM REQUIREMENTS
Emergency Lighting: Exit Signs: Fire Alarm: Smoke Detection Systems: Panic Hardware:	□ No □ Yes
	LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #:	
Fire and/or smoke rated wal Assumed and real property l	0.000 mark constraints and the constraints are constraints and the constraints and the constraints are constraints are constraints and the constraints are constraints and the constraints are constraints are constraints and the constraints are constraints are constraints are constraints are constraints are constraints and the constraints are constraint

1	xterior wa		_					ned property l	ines (705.8)		
							250	d calculation (Гable 1004.1.1)	
	occupant lo						• 0000000000000000000000000000000000000				
E	xit access	travel	distance	s (101	16)						
□ C	common pa	ath of	travel di	stance	s (1014.	3 & 1	028.8)				
	ead end le	engths	(1018.4))							
□ C	lear exit v	vidths	for each	exit d	loor						
	laximum (calcul	ated occu	pant l	load capa	acity e	each exit doo	r can accommo	date based on	egress width (1005.1)	
□ A	ctual occu	ipant !	load for e	each e	xit door						
						ere fi	re rated floor	ceiling and/or	roof structure	is provided for	
	urposes of										
	ocation of		-								
					10.71			nt of delay (100	08.1.9.7)		
							locks (1008	.1.9.8)			
	ocation of				_						
	ocation of the square))				
							nt (407.4)				
							nt (407.4)	n utilizad raga	ding the items	ahaya	
	tote any co	ode ex	ceptions	or tat	ne notes	mat n	lay llave bee	ii utilized rega	ding the items	above	
		- INCOME		N. C. Carlow			MERCHANIC STANSACTOR				
					ACCES		ECTION 110				
TOTAL	ACCESS	BLE	ACCESS	BLE	Түре	A	TYPE A	Түре В	Түре В	TOTAL	
UNITS	Unit	DOMESTIC:	Unit	A STATE OF THE PARTY OF THE PAR	Unit		Units	Units	UNITS	ACCESSIBLE UNITS	
	REQUIR	ED	PROVIDED RE		REQUII	UIRED PROVIDE		REQUIRED	PROVIDED	PROVIDED	
	Milita Printer	NI PARTY.	discount of the original of the least	COLUMN TO SERVICE STATE OF THE	CONTRACTOR OF THE PERSON OF TH	COMMITTEE OF	PURAL PROPERTY ENTER	ALTERNATION OF THE PARTY OF THE	AND HAVE BEEN SHOWN	aligner seemen a subsequence of the seemen	
					AC	CCES	SIBLE PAR	KING			
							ECTION 110				
LOTOR	PARKING	TOTA	AL# OF PA	RKING	SPACES		# OF ACCI	ESSIBLE SPACES P	ROVIDED	TOTAL#	
AREA	Altituito	100	QUIRED	THE REAL PROPERTY.	VIDED	REG	ULAR WITH	CONTRACTOR OF STREET	CES WITH	ACCESSIBLE	
							ACCESS	132" ACCESS	8' ACCESS	PROVIDED	
							AISLE	AISLE	AISLE		
TOTAL											
TOTAL											
CARROLL PROPERTY.	A AND LABOUR DESIGNATION OF THE PERSON NAMED IN COLUMN	COST BOX		-		NI HOLLOW					
					. 57	RUC	TURAL DE	ESIGN			
DESIG	N LOADS	S: (S	EX15T	WY	μ						
			8 6								
	Importa	nce F	actors:			w) _					
					ow (I						
				Se	ismic (I	E) _					
	Live Loa	ids:		Ro	oof		p	sf			
					ezzanine	-		sf			
				Fle	oor	-		sf			
	Ground	C	Lead.			psf					
	CALOHDU	MOHE	LOSG:			DSI					

	Wind Load:		Basic Wind			mph (AS	CE-7)		
			Exposure C		· mmp a)				
		,	Wind Base	Shears (for	MWFRS)	$V_{\mathbf{X}} =$		Vy =	
SEISM	IC DESIGN (CATEGO	RY:		A] B 🔲 C	\Box D		
Provide	the following								
	Occupancy (Category	(Table 160	(4.5)] II 🔲 II			
	Spectral Res Site Classific	ponse Ac	celeration	S _S	%g □ B	$\Box c$ \Box	%g D □ E	\Box F	
	Site Classific		ta Source:				otive His		
	Basic structu	ıral syste	m (check o		**************************************				
	F	Bearing W	all	Dual v	v/Special l	Moment Fra	me		
		Building F	rame	Dual v	v/Intermed	liate R/C or	Special Steel		
	Seismic base			Inverte		ım			
	Analysis Pro					uivalent La	teral Force	☐ Dynam	ic
	Architectura								
T A TOTAL	A PECICIO	CONTR	0.1	35 3 1			i		
LATER	RAL DESIGN	CONTR	OL:	Earthquak	е	Wind _	ļ		
SOIL B	EARING CA	PACITII	ES:						
	Field Test (pr	ovide cop	y of test re	port)		psi	f		
	Presumptive	Bearing o	apacity _			psi	f		
	Pile size, type	e, and cap	acity _						
SPECIA	AL INSPECT	IONS RE	OHERED		¬Ves Γ	l No			
of ECIA	L INSI ECT	IONS RE	QUIKED.		1 cs] 140			
No. of Concession, Name of Street, or other transfer, or other transfer, or other transfer, or other transfer,				CONTRACTOR SERVICES	CARLES CO.			a liver	
			PLUM	BING FIXT	URE RE	QUIREME	NTS EXI	6TINZ"	
				(TAB	BLE 2902.	1)	C 111	7 11-4	
A120 C 2 2 2 2 2	Her	. w men	OI COPPO						E-Wallet S.A.
	USE	MALE	CLOSETS	URINALS	MALE	FEMALE	SHOWERS/ TUBS	REGULAR	ACCESSIBLE
SPACE	EXISTING	tel	TEMITEE		MALL	TEMPLE	1000	REGUEAR	ACCESSIBLE
	NEW		_						
	REQUIRED								
				SPECIAI	APPRO	VALS			
c · ·	1.0	17		C.T.					
Special	approval: (Lo	cal Jurisd	iction, Dep	partment of I	nsurance,	OSC, DPI,	DHHS, ICC,	etc., describe	below)

ENERGY SUMMARY EXISTING

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy 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.

Climate Zone: $\boxed{3}$ $\boxed{4}$ $\boxed{5}$
Method of Compliance: Prescriptive (Energy Code) Performance (Energy Code) Prescriptive (ASHRAE 90.1) Performance (ASHRAE 90.1)
THERMAL ENVELOPE
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 in each assembly:
Exterior Walls (each assembly)
Description of assembly: U-Value of total assembly: R-Value of insulation: Openings (windows or doors with glazing) U-Value of assembly: Solar heat gain coefficient: projection factor: Door R-Values:
Walls below grade (each assembly) 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: slab heated:

MECHANICAL SUMMARY "EXISTING"

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

T	nermal Zone
	winter dry bulb:
	summer dry bulb:
T.	tanian darian aanditiana
111	terior design conditions
	winter dry bulb:
	summer dry bulb: relative humidity:
	relative numbers.
В	nilding heating load:
В	nilding cooling load:
M	echanical Spacing Conditioning System
	Unitary
	description of unit:
	heating efficiency:
	cooling efficiency:
	size category of unit:
	Boiler Size category. If oversized, state reason.:
	Chiller
	Size category. If oversized, state reason.:
Li	st equipment efficiencies:
	ELECTRICAL SUMMARY "EXISTING"
ELECTRI	
	CAL SYSTEM AND EQUIPMENT
M En	CAL SYSTEM AND EQUIPMENT ethod of Compliance: hergy Code: Prescriptive Performance
M En	CAL SYSTEM AND EQUIPMENT ethod of Compliance:
M En A	CAL SYSTEM AND EQUIPMENT ethod of Compliance: nergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance
M En A	cal system and equipment ethod of Compliance: hergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type)
M En A	cal system and equipment ethod of Compliance: hergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type) lamp type required in fixture
M En A	cal system and equipment ethod of Compliance: hergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type) lamp type required in fixture number of lamps in fixture
M En A	cal system and equipment ethod of Compliance: hergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type) lamp type required in fixture number of lamps in fixture ballast type used in the fixture
M En A	cal system and equipment ethod of Compliance: hergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type) lamp type required in fixture number of lamps in fixture ballast type used in the fixture number of ballasts in fixture
M En A	cal system and equipment ethod of Compliance: hergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type) lamp type required in fixture number of lamps in fixture ballast type used in the fixture
M En A	cal system and equipment ethod of Compliance: hergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type) lamp type required in fixture number of lamps in fixture ballast type used in the fixture number of ballasts in fixture total wattage per fixture
M En A Li	cal System and Equipment ethod of Compliance: dergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type) lamp type required in fixture number of lamps in fixture ballast type used in the fixture number of ballasts in fixture total wattage per fixture total interior wattage specified vs. allowed (whole building or space by space) total exterior wattage specified vs. allowed
M En A Li	cal System and Equipment ethod of Compliance: hergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type) lamp type required in fixture number of lamps in fixture ballast type used in the fixture number of ballasts in fixture total wattage per fixture total wattage specified vs. allowed (whole building or space by space) total exterior wattage specified vs. allowed
M En A Li	CAL SYSTEM AND EQUIPMENT ethod of Compliance: lergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type) lamp type required in fixture number of lamps in fixture ballast type used in the fixture number of ballasts in fixture total wattage per fixture total wattage specified vs. allowed (whole building or space by space) total exterior wattage specified vs. allowed dditional Prescriptive Compliance 506.2.1 More Efficient Mechanical Equipment
M En A Li	ethod of Compliance: lergy Code: Prescriptive Performance SHRAE 90.1: Prescriptive Performance ghting schedule (each fixture type) lamp type required in fixture number of lamps in fixture ballast type used in the fixture number of ballasts in fixture total wattage per fixture total wattage specified vs. allowed (whole building or space by space) total exterior wattage specified vs. allowed dditional Prescriptive Compliance 506.2.1 More Efficient Mechanical Equipment 506.2.2 Reduced Lighting Power Density
M En A Li	cal system and equipment ethod of Compliance: lergy Code:
M En A Li	cal system and equipment ethod of Compliance: lergy Code:
M En A Li	cal system and equipment ethod of Compliance: lergy Code: