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:						
					Zip Code	
					21p code	
-	d Agent:				E-Mail	
	•		·			
Owned By:		City/County	Priv		State	
Code Enforcemen	it Jurisdiction:	City	Co	unty	State	
LEAD DESIGN	PROFESSIONAL	•				
	FIRM	NAME	LICENSE	E# TELEPH	IONE # E-MAIL	
Architectural				()		
Civil						
Electrical						
Fire Alarm						
Plumbing Mechanical						
	pe					
Structural						
Retaining Walls >	-5' High					
Other				()_		
EXISTING: CONSTRUCTED RENOVATED:	D: (date)	CURRE	NAL USE(S) (Ch	3) :	novation	_
BASIC BUILDIN	NC DATA					
Construction Ty		□ II-A	☐ III-A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	□ V-A	
(check all that app	_	☐ II-B	☐ III-B		□ V-B	
Sprinklers:	☐ No ☐ Partial	Yes	☐ NFPA 13	☐ NFPA 13R	☐ NFPA 13D	
Standpipes:	□ No □ Yes	Class I		☐ Wet ☐ Dry	<u> </u>	
Fire District:	□ No □ Yes (P		Flood Hazard A		Yes	
Building Height:	`	· · · · · · · · · · · · · · · · · · ·	11004 1142414 11			
Gross Building A						
FLOOR	Existing (sq.	ETT)	NEW (SQ FT)		SUB-TOTAL	
6 th Floor	EXISTING (SQ.	11)	NEW (SQTT)		SUB-TOTAL	
5 th Floor						
4 th Floor						
3 rd Floor						
2 nd Floor						
Mezzanine						
1 st Floor						
Basement						

TOTAL

ALLOWABLE AREA

Occupancy:
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 II-1 II-2 II-3 II-4
I-3 Condition \Box 1 \Box 2 \Box 3 \Box 4 \Box 5
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
Accessory Occupancies:
Assembly \square A-1 \square A-2 \square A-3 \square A-4 \square 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 \square I-1 \square I-2 \square I-3 \square I-4 I-3 Condition \square 1 \square 2 \square 3 \square 4 \square 5
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 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
Group I-2 storage rooms over roo square rect
<u> </u>
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: 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.8
Mixed Occupancy: No Yes Separation: Hr. Exception:
☐ Incidental Use Separation (508.2.5)

☐ Non-S The real limitate construction Separate For each to	Separated Use equired type of ations for each cruction, so deterated Use (508 ach story, the ar	(508.3) construction for the applicable rmined, shall a (4) - See below rea of the occup the allowable for the applicable for the allowable for the a		shall be determing the entire building. Ilations uch that the sui	aned by applying lding. The most of the ratios are exceed 1.	st restrictive ty	rpe of
_			+		+	=	<u>≤</u> 1.00
STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR FRONTAGE INCREASE ¹	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ³	(F) MAXIMUM BUILDING AREA ⁴
a. Perin b. Tota c. Ratio d. W = e. Perc The sprinkl a. Mult b. Sing Unlimited a Maximum The maxim	meter which from the Building Perion (F/P) = Minimum wident of frontage er increase periorstory building the story building area applicable Building Area =	onts a public way meter (F/P) th of public way increase $I_f = Section 506.3$ $g I_s = 200$ perceunder condition total number $I_s = 100$ parking garage	y =	e having 20 fee (P) (W) (W) 5] x W/30 =	(%) 506.4).		

ALLOWABLE HEIGHT

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

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION	REQ'D	RATING PROVIDED	DETAIL # AND	DESIGN# FOR	DESIGN # FOR RATED	DESIGN # FOR
	DISTANCE (FEET)		(W/* REDUCTION)	SHEET #	RATED ASSEMBLY	PENETRATION	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							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Tenant Separation							
Incidental Use Separation							
* Indicate section number per	mitting reduction	n					

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

Exp Oo Oo Oo Oo Oo Oo Oo O	xisting str ccupancy ccupant lo xit access ommon p ead end lo lear exit v laximum of ctual occu- separate urposes of ocation of he square	types bads for travel ath of engths widths calcul apant scheme doors doors doors footag footag footag types.	es within for each a distance travel di (1018.4) for each ated occuload for each atic plan pancy sejs with pass with des equippers equippers es ge of each	30' o area rea es (10 stance) exit o apant each e indic parationic halayed ectron ed with cape who fire h smo	of the propas it related 16) les (1014. loor load capate exit door cating whom ardware (legress long agnetic of hold-op windows area (90%) oke comp	posed posed as to a series and	building occupant load occupan	c/ceiling and/or	Table 1004.1. odate based or roof structure 08.1.9.7)	ı egr	
					ACCES		LE DWELL ECTION 110	ING UNITS			
TOTAL UNITS	ACCESS: UNIT REQUIR	S	ACCESS: UNIT PROVID	s Units Units Units Unit		TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED				
					AC		SIBLE PAI				
			"			(31					
LOT OR P	PARKING		AL# OF PA OUIRED		S SPACES OVIDED	REG	# OF ACC ULAR WITH	ESSIBLE SPACES I VAN SPA	PROVIDED ACES WITH		TOTAL # ACCESSIBLE
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TOTAL											
						•	•			,	
DESIGN	N LOADS	S:			ST	ΓRUC	CTURAL DI	ESIGN			
	Importa	nce F	actors:	Sr	ind (Isomow (Isomic (Isomic (Isomic (Isomow)))	s) _					
	Live Loa	ıds:		M	oof ezzanine oor	- - -		osf osf osf			
	Ground	Snow	Load			nef					

	Wind Load:		Basic Wind			mph (AS	CE-7)		
			Exposure C Vind Base	ategory _ Shears (for	MWFRS)	Vx =	<u> </u>	Vy=	
		·	, ma Buse	2110413 (101	111111111111111111111111111111111111111	, 11		· J	
	C DESIGN C			_	A]В 🗆 С	C D		
Provide	the following S Occupancy O Spectral Resp	ategory (Table 160	4.5)] I] II			
	Site Classific	ation (Ta			\square B	□ C □	D E ptive His	☐ F storical Data	
	□ B	earing W suilding Fragment Fragment Fragment Shear: cedure:	$\begin{array}{l} \text{all} \\ \text{rame} \\ \text{rame} \\ V_X = \underline{\qquad} \end{array}$	Dual v Dual v Inverte	$V/Intermed$ $V_Y = $ $V_Y = $ $V_Y = $ $V_Y = $	iate R/C or m uivalent La	Special Steel teral Force	☐ Dynam	ic
LATER	AL DESIGN	CONTR	OL:	Earthquak	te 🗌	Wind []		
	EARING CA Field Test (pr Presumptive Pile size, type	ovide cop Bearing cook, and capa	y of test re apacity _ acity _ QUIRED:	BING FIXT	Yes [No QUIREME	f		
	USE	WATER	CLOSETS	URINALS	LAVA	TORIES	SHOWERS/	DRINKING	G FOUNTAINS
GDA GE	EVICEDIC	MALE	FEMALE		MALE	FEMALE	TUBS	REGULAR	Accessible
SPACE	EXISTING NEW				1				
	REQUIRED								
Special a	approval: (Lo	cal Jurisd	iction, Dep		L APPRO		DHHS, ICC,	etc., describe	below)

ENERGY SUMMARY

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:	
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

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone	
winter dry bulb:	
summer dry bulb:	
Interior design conditions	
winter dry bulb:	
summer dry bulb:	
relative humidity:	
Building heating load:	
Building cooling load:	
Mechanical 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.:	
Size edicgory. If oversized, state reason.	
List equipment efficiencies:	
ELECTRICAL SUMMA	RY
ELECTRICAL SUMMA ELECTRICAL SYSTEM AND EQUIPMENT	RY
ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance:	RY
ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance: Energy Code: Prescriptive Performance	RY
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ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance: Energy Code: Prescriptive Performance ASHRAE 90.1: Prescriptive Performance Lighting schedule (each fixture type)	RY
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ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance: Energy Code:	
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