# 2006 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:				Zip Co	ode
Proposed Use:					
Owner/Authorized Ager					1
Owned By:		ity/County	Private	St.	
Code Enforcement Juris			County		
LEAD DESIGN PROP	ESSIONAL:				
DESIGNER FIRM		NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural				. ()	
Civil				. ()	
Electrical				_ ()	
Fire Alarm Plumbing				. ()	
Mart			_	_ ()	
Sprinkler-Standpipe					
Structural				( )	
Retaining Walls >5' Hig					
Other				)	
2006 EDITION OF NO	struction Alt	teration R	epair		
	struction Alt	teration R	epair		RENT USE
EXISTING: Recons	struction Alt	Eration R EINAL USE II-A	epair RENOVATEI		U-A
EXISTING: Recons CONSTRUCTED BUILDING DATA Construction Type:	struction Alt ORIG	III-A III-B	epair RENOVATEI III-A III-B	D CURE	
EXISTING: Recons CONSTRUCTED BUILDING DATA Construction Type:	struction Alt ORIG I-A I-B I construction:	Inal USE     Inal USE     II-A     II-B     No     Y	epairRENOVATEI III-A III-B es Types	D CURE	U-A V-B
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EXISTING: Recons CONSTRUCTED BUILDING DATA Construction Type: Mixed Sprinklers: Not Standpipes: Not	struction Alt ORIG I-A I-B construction: Partial Y Yes Class	teration R <b>INAL USE</b> II-A II-B No Y Zes N ss I I	epairRENOVATEI III-A III-B es Types FPA 13 NI III W	D CURE	U-A V-B
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TOTAL

ALLOWABLE AREA										
Primary 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       I-1       I-2       I-3       I-4         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       Enclosed       Repair Garage										
Secondary Occupancy:										
Special Uses:       402       403       404       405       406       407       408       409       410       411       41         413       414       415       416       417       418       419       420       421	.2									
<b>Special Provisions:</b> 508.2 508.3 508.4 508.5 508.6 508.7 508	.8									
Mixed Occupancy: No Yes Separation: Hr. Exception:										
Incidental Use Separation (302.1.1)										
This separation is not exempt as a Non-Separated Use (see exceptions).										
$\square$ Non-Separated Use (302.3.1)The required type of construction for the building shall be determined by applying the height and arealimitations for each of the applicable occupancies to the entire building. $\square$ Separated Use (302.3.2) - See below for area calculationsFor each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor areaof each use divided by the allowable floor area for each use shall not exceed 1. $\underline{Actual Area of Occupancy A}$ $+$ $\underline{Allowable Area of Occupancy A}$ $+$ $\underline{Allowable Area of Occupancy B}$ $\leq 1$										
STORY NO.     DESCRIPTION     (A)     (B)     (C)     (D)     (E)     (F)       AND USE     BLDG AREA     TABLE 503 <sup>5</sup> AREA FOR     AREA FOR     ALLOWABLE     MAXIMUL       PER STORY     AREA     FRONTAGE     SPRINKLER     AREA OR     BUILDINI       (ACTUAL)     INCREASE <sup>1</sup> INCREASE <sup>2</sup> UNLIMITED <sup>3</sup> AREA <sup>4</sup>										
<ul> <li><sup>1</sup> Frontage area increases from Section 506.2 are computed thus:</li> <li>a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)</li> <li>b. Total Building Perimeter = (P)</li> </ul>										

- c. Ratio (F/P) = \_\_\_\_\_ (F/P) d. W = Minimum width of public way = \_\_\_\_\_ (W) e. Percent of frontage increase  $I_f = 100 [F/P 0.25] \times W/30 = _____ (\%)$

<sup>2</sup> The sprinkler increase per Section 506.3 is as follows:

- a. Multi-story building  $I_s = 200$  percent
- b. Single story building  $I_s = 300$  percent
- <sup>3</sup> Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507);
- Group A motion picture (507.9); Malls (402.6); and H-2 aircraft paint hangers (507.7).
- <sup>4</sup> Maximum Building Area = total number of stories in the building x E (506.4).

<sup>5</sup> The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers must comply with 412.1.2.

## ALLOWABLE HEIGHT

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

## FIRE PROTECTION REQUIREMENTS

Life Safety Plan Sheet #, if Provided \_\_\_\_\_

BUILDING ELEMENT	FIRE SEPARATION DISTANCE	AATION REQ'D PROVIDED		DETAIL # AND SHEET #	DESIGN # FOR RATED	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED
	(FEET)		REDUCTION)	SHEET #	ASSEMBLY	TENETRATION	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 permitting reduction

## LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Exit Signs: Fire Alarm: Smoke Detection Systems:	□         No         □         Yes           □         No         □         Yes
Panic Hardware:	🗌 No 🗌 Yes

## **EXIT REQUIREMENTS**

## NUMBER AND ARRANGEMENT OF EXITS

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM <sup>2</sup> NUMBER OF EXITS		TRAVEL DISTAN	ARRANGEMENT MEANS OF EGRESS <sup>1,3</sup> (SECTION 1014.2)		
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1015.1)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS

1 Corridor dead ends (Section 1016.3)

2 Single exits (Table 1018.2)

<sup>3</sup> Common Path of Travel (Section 1013.3)

#### EXIT WIDTH

USE GROUP	(a)	<b>(b</b> )	(c) EXIT WIDTH (in) <sup>2,3,4,5,6</sup>		EXIT WIDTH				
OR SPACE DESCRIPTION	<b>AREA<sup>1</sup></b> sq. ft.	AREA <sup>1</sup> PER OCCUPANT	CALCULATED OCCUPANT LOAD	EGRESS WIDTH PER OCCUPANT (TABLE 1005.1)		ANT (SECTION 1005.1)			
		(TABLE 1003.2.2.2)		STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL

<sup>1</sup> See Table 1004.1.2 to determine whether net or gross area is applicable. See definition "Area, Gross" and "Area, Net" (Section 1002)
 <sup>2</sup> Minimum stairway width (Section 1005.1); min. corridor width (Section 1016.2); min. door width (Section 1018.1)

<sup>3</sup> Minimum width of exit passageway (Section 1020.2)

<sup>4</sup> See Section 1004.5 for converging exits.

 $^{5}$  The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)

<sup>6</sup> Assembly occupancies (Section 1024)

<b>DESIGN LOADS:</b>	
Importance Factors:	Wind $(I_W)$ Snow $(I_S)$ Seismic $(I_E)$
Live Loads:	RoofpsfMezzaninepsfFloorpsf
Snow Load:	psf
	Basic Wind Speedmph (ASCE-7-02)Exposure Category $Vx = $ Wind Base Shears (for MWFRS) $Vx = $
<b>SEISMIC DESIGN CATEGO</b> Compliance with Section 1616.	
SEISMIC DESIGN CATEGO	$\mathbf{DRY} \qquad \square \mathbf{B} \qquad \square \mathbf{C} \qquad \square \mathbf{D}$
Provide the following Seismic I Seismic Use Group	
Site Classification	
Basic structural syste	
Buildin	g Wall Dual w/Special Moment Frame ng Frame Dual w/Intermediate R/C or Special Steel
Dunon Mome	nt Frame Inverted Pendulum
Seismic base shear	$V_X = $ $V_Y = $ Equivalent Lateral Force Modal
Analysis Procedure	Simplified Equivalent Lateral Force Modal
Architectural, Mecha	anical, Components anchored?
LATERAL DESIGN CONTR	<b>ROL:</b> Earthquake Wind
	py of test report) psf capacity psf

## PLUMBING FIXTURE REQUIREMENTS

USE		WATERCLOSETS		URINALS	LAVATORIES		SHOWERS/	DRINKING	FOUNTAINS
		MALE	FEMALE		MALE	FEMALE	TUBS	REGULAR	ACCESSIBLE
	EXISTING								
	NEW								
	REQUIRED								

## ACCESSIBLE PARKING

LOT OR PARKING	TOTAL # OF PA	ARKING SPACES	# OF ACCESSIBLE	TOTAL #	
AREA	REQUIRED	PROVIDED	REGULAR WITH 5' VAN SPACES WITH		ACCESSIBLE
			ACCESS AISLE	ACCESS AISLE	PROVIDED
TOTAL					

## SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DFS, 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 energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget.

## THERMAL ENVELOPE

# Method of Compliance:

Prescriptive Performance Energy Cost Budget

## 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 shading coefficient projection factor low e required, if applicable Door R-Values

#### Walls adjacent to unconditioned space (each assembly)

Description of assembly U-Value of total assembly R-Value of insulation Openings (windows or doors with glazing) U-Value of assembly Low e required, if applicable 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

## ELECTRICAL SUMMARY

#### ELECTRICAL SYSTEM AND EQUIPMENT

**Method of Compliance:** 

Prescriptive

Performance

Energy Cost Budget

## Lighting schedule

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 total exterior wattage specified vs allowed

#### Equipment schedules with motors (not used for mechanical systems)

motor horsepower number of phases minimum efficiency motor type # of poles

#### MECHANICAL SUMMARY

## MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

## **Method of Compliance**

Prescriptive Energy Cost Budget

Climate Zone

#### **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 heat output of unit cooling output of unit Boiler total boiler output. If oversized, state reason. Chiller total chiller capacity. If oversized, state reason.

## List equipment efficiencies

## Equipment schedules with motors (mechanical systems)

motor horsepower number of phases minimum efficiency motor type # of poles