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 Duciest			
Name of Project:			
Address:			
Proposed Use:			
Owner or Authorized Agent:			
Owned By: City/County	Private	Sta	
Code Enforcement Jurisdiction: City	County		
LEAD DESIGN PROFESSIONAL:			
DESIGNER FIRM	NAME	LICENSE #	TELEPHONE #
Architectural			_ ()
Civil			_ ()
Electrical			_ ()
Fire Alarm			_ ()
Plumbing			_ ()
Mechanical			_ ()
Sprinkler-Standpipe Structural			_ ()
Retaining Walls >5' High			_ ()
Other			_ ()
YEAR EDITION OF CODE: Renovation (E	Existing Bldg) 🗌 Upfit	Altera	tion
BUILDING DATA Construction Type: I-A I-B IV V-A Mixed construction:	□ II-A □ II-B □ V-B □ No □ Yes Types	III-A] III-B
Sprinklers: No Yes NFP	PA 13 NFPA 13R	NFPA 13D	
Standpipes: No Yes Class I	II III We	t 🗌 Dry	
Fire District: No Yes			
Building Height: Feet Number of Sto	ories 🗌 Unlimited per _		
Mezzanine: No Yes			
	ce Sheet # (if provided)		
Gross Building Area:			
FLOOR EXISTING (SQ FT)	NEW (SQ FT)	SUB-	Total
6 th Floor			
5 th Floor			
4 th Floor			
3 rd Floor			
2 nd Floor			
Mezzanine			
1 st Floor			
Basement			

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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		RATING	DETAIL #	DESIGN #	DESIGN # FOR	DESIGN #
	SEPARATION	REQ'D	PROVIDED	AND	FOR	RATED	FOR
	DISTANCE		(W/*	SHEET #	RATED	PENETRATION	RATED
	(FEET)		REDUCTION)		ASSEMBLY		JOINTS
Structural frame,							
including columns, girders, trusses							
Bearing walls							
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing walls and							
partitions							
Exterior							
North							
East							
West							
South							
Interior							
Floor construction							
Including supporting beams							
and joists							
Roof construction							
Including supporting beams							
and joists							
Shafts - Exit							
Shafts - Other							
Corridor Separation							
Occupancy Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Tenant Separation							

* Indicate section number permitting reduction

LIFE SAFETY SYSTEM REQUIREMENTS

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

EXIT REQUIREMENTS

NUMBER AND ARRANGEMENT OF EXITS

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM ² NUMBER OF EXITS		TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS ^{1,3} (SECTION 1004.1)	
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1004.2.4)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS

1 Corridor dead ends (Section 1004.3.2.3)

² Single exits (Table 1005.2.2)

³ Common Path of Travel (Section 1004.2.5)

EXIT WIDTH

USE GROUP	(a)	(b)	((c)		EXIT WIDTH	(in) ^{2,3,4,5,6}	
OR SPACE DESCRIPTION	AREA ¹ sq. ft.	AREA ¹ PER OCCUPANT	PER OC	s width ccupant 1003.2.3)	REQUIRE (SECTION (a÷b	1003.2.3)	ACTUAL V SHOWN O	
		(TABLE 1003.2.2.2)	STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL

¹ See Table 1003.2.2.2 to determine whether net or gross area is applicable.

See definition "Area, Gross" and "Area, Net" (Section 1002)

² Minimum stairway width (Section 1003.3.3); min. corridor width (Section 1004.3.2.2); min. door width (Section 1003.3.1)

³ Minimum width of exit passageway (Section 1005.3.3)
 ⁴ See Section 1003.2.2.7 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 1003.2.3)

⁶ Assembly occupancies (Section 1008)

STRUCTURAL DESIGN

DESIGN LOADS:

Importance Factors:	Wind (I _W)
Live Loads:	RoofpsfMezzaninepsfFloorpsf
Snow Load:	psf
Wind Load:	Basic Wind Speedmph (ASCE-7-98)Exposure CategoryWind Base Shears (for MWFRS)Vx =Vy =
SEISMIC DESIGN CATEGOR Compliance with Section 1616.4	
SEISMIC DESIGN CATEGOR	XY B, C, & D
Provide the following Seismic Seismic Use Group	Design Parameters:
Spectral Response A Site Classification	cceleration S _{MS} %g S _{M1} %g
Basic structural syst	
Buildi	ng Wall Dual w/Special Moment Frame ing Frame Dual w/Intermediate R/C or Special Steel ent Frame Inverted Pendulum
	$V_X = $ $V_Y = $
	Simplified Equivalent Lateral Force Modal anical, Components anchored?
LATERAL DESIGN CONTRO	L: Earthquake Wind
	psf g capacity psf

PLUMBING FIXTURE REQ UIREMENTS

OCCUPANCY	WATER	CLOSETS	URINALS	LAVA	TORIES	SHOWERS/	DRINKING	FOUNTAINS
	MALE	FEMALE		MALE	FEMALE	TUBS	Regular	ACCESSIBLE

ACCESSIBLE PARKING

LOT OR PARKING	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE	TOTAL #	
AREA	REQUIRED	PROVIDED	REGULAR WITH 5' VAN SPACES WITH 8'		ACCESSIBLE
			ACCESS AISLE	ACCESS AISLE	PROVIDED
TOTAL					

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, SBCCI, 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

Energy Cost Budget

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:

Prescriptive

Performance

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

Budget

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Method of Compliance	
Prescriptive	Energy Cost

Thermal Zone

winter dry bulb summer dry bulb

Interior design conditions

winter dry bulb summer dry bulb relative humidity

NC Administration and Enforcement

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