BUILDING CODE SUMMARY

for commercial and multi-family projects

1. GENERAL INFORMATION

Name of Project _____
Address _____ _____**Flood Zone**_____
Proposed Use _____
Owner _____
Phone _____ **Fax** _____ **E-mail** _____
Contractor _____
Address _____
Phone _____ **Fax** _____ **Alabama G.C. License #** _____
Contact Person _____ **Contact #** _____

2. DESIGN TEAM INFORMATION

Designer	Name	Reg.#	Phone
Architectural			
Structural			
Civil			
Electrical			
Fire			
Sprinkler / Standpipe			
Plumbing			
Mechanical			

3. CODE INFORMATION

(Check codes used in design)

- ❑ 2006 International Building Code (IBC)
- ❑ 2005 National Electric Code (NEC)
- ❑ 2006 International Mechanical Code (IMC)
- ❑ 2006 International Plumbing Code (IPC)
- ❑ 2006 International Fire Code (IFC)
- ❑ 2006 International Fuel Gas Code (IFGC)
- ❑ 2006 International Energy Conservation Code (IECC)

Others (specify)
_____
_____
_____
_____

4. PROJECT DATA

4.1 CONSTRUCTION DESCRIPTION

new construction ☐ **renovation of existing building** ☐ **tenant build-out** ☐

addition ☐ **alteration of existing building** ☐ **(change of use? yes no)**

scope of work _____
_____
_____
_____

4.2 CONSTRUCTION TYPE

IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB
☐	☐	☐	☐	☐	☐	☐	☐	☐

Mixed Construction Yes ☐ **No** ☐ **types**_____

Sprinkler System Yes ☐ **No** ☐ **Partial** ☐
type NFPA 13_____ **NFPA 13R**_____ **NFPA13D**_____

Standpipes Yes ☐ **No** ☐
type Wet _____ **Dry** _____ **Combined** _____ **Class** _____

4.3 BUILDING DATA

OCCUPANY GROUP _____ **(single occupancy)**
OCCUPANCY GROUPS_____ **(mixed occupancy)**
MAIN USE _____

(check applicable section)

- ❑ **MIXED OCCUPANCY, NONSEPARATED USE. The required type of construction for 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.**
- ❑ **MIXED OCCUPANCY, SEPARATED USE. For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use. (may not exceed 1)**

$$\frac{\textit{ACTUAL AREA OF OCCUPANCY "A"}}{\textit{ALLOWABLE AREA OF OCCUPANCY "A"}} + \frac{\textit{ACTUAL AREA OF OCCUPANCY "B"}}{\textit{ALLOWABLE AREA OF OCCUPANCY"B"}} \leq 1$$

TABLE 4.3a

HEIGHT AND AREA

STORY NUMBER(S)	DESCRIPTION AND USE	(A) BUILDING AREA PER STORY PROPOSED	(B) TABLE 503 AREA	increases		ALLOWABLE AREA	MAX. AREA
				open space	sprinkler		

TABLE 4.3b	ALLOWABLE (Table 503)	INCREASE FOR SPRINKLERS (Section 504.2)	PROPOSED ON PLANS
BUILDING HEIGHT IN FEET (see definition, Section 502)	_____ ft. (H)	(H) + 20' = _____ft.	_____ft.
BUILDING HEIGHT IN STORIES (see definition, Section 502)	_____ stories	stories + 1 = _____	_____ stories

TABLE 4.3c

FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS

BUILDING ELEMENT	RATING ALLOWED[1]	RATING PROVIDED	**UL LISTINGS**
STRUCTURAL FRAME inc. columns, girders, trusses, beams			
BEARING WALLS exterior			
interior			
NONBEARING WALLS AND PARTITIONS exterior			
interior			
FLOOR CONSTRUCTION inc. supporting beams and joists			
ROOF CONSTRUCTION			

[1]An approved automatic sprinkler system in accordance with IBC Section 903.3.shall be allowed to be substituted for 1 hour fire resistance rated construction, provided the system is not otherwise required or used to achieve height or area increases. This substitution is not allowed in Type IIA, IIIA or VA construction.

TABLE 4.3d

FIRE-RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCES

FIRE SEPARATION DISTANCE (feet)	REQUIRED WALL RATING	WALL RATING PROVIDED
<5		
≥5,<10		
≥10,<30		
≥30		

CONSTRUCTION TYPE	GROUP

TABLE 4.3e

EXTERIOR WALL OPENINGS (percentage of area of wall)

FIRE SEPARATION DISTANCE (feet)	UNPROTECTED OPENING AREA		PROTECTED OPENING AREA	
	ALLOWABLE	ACTUAL	ALLOWABLE	ACTUAL
0 to 3	not permitted		not permitted	
>3 to 5	not permitted		15	
>5 to 10	10		25	
>10 to 15	15		45	
>15 to 20	25		75	
>20 to 25	45		no limit	
>25 to 30	70		no limit	
>30	no limit		no limit	

5. LIFE SAFETY AND FIRE PROTECTION

- **All fire rated walls shall be identified on plans by hatching, shading, etc…**
- **Code sections shall be referenced when applying exceptions or special conditions.**

5.1 DRAFTSTOPPING

Draftstopping in floor system per IBC (716.3) **Yes** ☐ **No** ☐

Draftstopping in attic per IBC (716.4) **Yes** ☐ **No** ☐

5.2 LIFE SAFETY SYSTEMS
(check all that apply)

- ❑ **emergency generator**
- ❑ **emergency lighting**
- ❑ **exit signs**
- ❑ **fire alarm**
- ❑ **sprinkler system Type_____ Installer _____**
- ❑ **standpipe system**
- ❑ **commercial hood**
- ❑ **smoke detection system**
- ❑ **panic hardware**
- ❑ **power operated doors**
- ❑ **elevators**
- ❑ **escalators**

5.3 SPECIAL DETAILED REQUIREMENTS
(check all that apply)

- ❑ **covered mall building**
- ❑ **high rise**
- ❑ **atriums**
- ❑ **underground buildings**
- ❑ **motor vehicle related buildings**
- ❑ **Group I-2**
- ❑ **Group I-3**
- ❑ **motion picture projection rooms**
- ❑ **stages and platforms**
- ❑ **special amusement buildings**
- ❑ **aircraft related occupancies**
- ❑ **combustible storage**
- ❑ **hazardous materials**
- ❑ **Groups H-1, H-2, H-3, H-4, and H-5**
- ❑ **application of hazardous finishes**
- ❑ **drying rooms**
- ❑ **organic coatings**

***All items in the above list require inspection and certification.**

I HAVE REVIEWED THE REQUIREMENTS OF IBC SECTION 1704 ON SPECIAL INSPECTIONS AND WILL PERFORM THE APPLICABLE REQUIRED INSPECTIONS AS PART OF MY RESPOSIBILITIES ACKNOWLEDGED UNDER MY LETTER OF ACCEPTANCE.

SIGNED_____

DATE _____

6. DESIGN CERTIFICATION FOR WIND LOAD COMPLIANCE

This Certification is to be completed by the project design architect or engineer. This Certification must be submitted with all construction documents for commercial and multi-family projects.

Project Name & Address _____

_____

_____

Occ. Type _____

Const. Type _____

Certification Statement:

I certify that, to the best of my knowledge and belief, these plans and specifications have been designed to comply with the applicable structural portion of the building codes currently adopted and enforced by the City of Orange Beach. I also certify that structural elements depicted on these plans provide adequate resistance to the wind loads and forces specified by current code provisions.

Design Parameters and Assumptions Used: (please check or complete the appropriate box)

□ Building Code Edition used *(year)* _____ SSTD 10 ASCE 7-98 ICC 600
Building Design is *(check one)* _____Enclosed _____Partially Enclosed _____Open Building
Mean Roof Height:_____Ft. Roof Angle:_____ Degrees Wind Speed Used in Design:_____MPH
Wind Exposure Classification *(Refer to Exposure Tables in ASCE 7):* _____
Wind Velocity Pressure _____PSF Components and Cladding _____PSF
Wind Velocity Pressure on Exterior Faces of Structure: Minimum _____PSF ~*and*~ Peak _____PSF
Loads: Floor: _____PSF Roof/Dead: _____PSF Roof/Live: _____PSF
Were Shear Walls Considered for Structure? *(Check one)* ___Yes ___No *(If No, attach explanation)*
Is a Continuous Load Path Provided? *(Check one)* ___Yes ___No *(If No, attach explanation)*
Are Component and Cladding Details Provided? *(Check one)* ___Yes ___No *(If No, attach explanation)*

*THIS BUILDING IS LOCATED IN A WIND BORNE DEBRIS REGION (per IBC Section 1609.2) REQUIRING PROTECTION OF OPENINGS.

(CHECK ALL THAT APPLY)

- ❑ **GLAZED OPENINGS WITHIN 30' OF GRADE WILL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1996.**
- ❑ **GLAZED OPENINGS LOCATED MORE THAN 30' ABOVE GRADE WILL MEET THE REQUIREMENTS OF THE SMALL MISSILE TEST OF ASTM E 1996.**
- ❑ **WOOD STRUCTURAL PANELS WILL BE UTILIZED IN ACCORDANCE WITH EXCEPTION 1.**
- □ **OTHER** _____

Design Professional Certification:

As witnessed by my seal, I hereby certify that the information included with this certification is true and correct, to the best of my knowledge and belief.

Name_____ **Certification No**._____

SEAL

(Check one) □ Architect □ Engineer

Design Firm_____ **Date**_____