

## **BUILDING CODE / LIFE SAFETY ANALYSIS**

### RECOMMENDED PROCEDURES TO FOLLOW USING THE CAYMAN ISLANDS BUILDING CODE

These steps are naturally varied in sequence by individual preferences; however, the first three are standard steps which should be followed in proper order to assist in design or review of buildings

1. **Provide the Occupancy Classification of the structure. (Chapter3)**

Select occupancy classification which most accurately fits the use of the building.

2. **Provide the actual physical properties of building.**

- (a) Provide building area each floor, (Area definition Chapter 2)
- (b) Provide grade elevation for building. (Grade definition Chapter 2)
- (c) Provide building height in feet above grade. (Height definition Chapter 2)
- (d) Provide building height in stories. (Story definition Chapter2)
- (e) Provide separation distance from exterior walls to assumed and common property lines. (Property line definition Chapter 2)
- (f) Provide percent of exterior openings per floor.

3. **Provide minimum Type of Construction necessary to accommodate proposed structure.**

- (a) Provide maximum allowable heights and floor areas for Types of Construction and Occupancy classification. (Table 600)
- (b) Provide allowable height and area increases permitted. (Chapter5)

4. **Provide detailed Occupancy requirements.** (Chapter4)

5. **Provide detailed Construction requirements.**

- (a) Fire Protection of Structural Members (Chapter 6 and Table 600) (if required).
- (b) Fire Protection Requirements (Chapter 7 and Table 705.1.2) (if required).
- (c) Means of Egress Requirements (Chapter 10)

6. **Review design as related to standards.** (Chapters 16-26)

7. **Check other requirements as necessary.**

- (a) Elevators and conveying systems (Chapter30)
- (b) Sprinklers, standpipes (Chapter9) and alarm systems
- (c) Use of combustible materials on the interior (Chapter8)
- (d) Roofs and roof structures (Chapter15)
- (e) Light, ventilation and sanitation (Chapter12)
- (f) Other