

## 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 Chapter 2)
  - (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. (Chapter 5)
4. **Provide detailed Occupancy requirements.** (Chapter 4)
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 (Chapter 30)
  - (b) Sprinklers, standpipes (Chapter 9) and alarm systems
  - (c) Use of combustible materials on the interior (Chapter 8)
  - (d) Roofs and roof structures (Chapter 15)
  - (e) Light, ventilation and sanitation (Chapter 12)
  - (f) Other