

## Comments on Building Codes

### 1. General

- a. Name of Country: Thailand
- b. Name of codes: Ministerial Regulations issued in accordance with the Building Control Act (1979)
- c. Issued by Ministry of Interior
- d. Enforcement Year :Since 1979

### 2. Structural Design Method

#### a. Format

- Working Stress design
- Ultimate Strength Design

(comments)

The provisions of working stress design and ultimate strength design under seismic loading is not yet specified in the regulation. The provision for other loading are specified in Ministerial Regulation No. 6(1984)

#### b. Material Strength (Concrete and Steel):

The allowable stress and strength of the materials are specified in Ministerial Regulation No.6(1984) such as,

For concrete:  $f_c = 0.375 f_c'$  but not larger than 65 kg/sq.cm.

#### c. Strength Reduction factor :

No strength reduction is specified in regulation.

#### d. Load factors for Gravity Loadings and load Combination:

Ministerial Regulation No. 6:

$$U = 1.7D + 2.0L$$

$$U = 0.75(1.7D + 2.0L + 2.0W)$$

$$U = 0.9D + 1.3W$$

DPT Standard 1301-50

$$U = 0.75(1.7D + 2.0L + 2.0F)$$

$$U = 0.9D + 1.3E$$

#### e. Typical Live Load Values:

Office Buildings: 250 kg./sq.m.

#### f. Special Aspects of Structural Design Method:

Building, and parts thereof, shall be designed to withstand various loadings which may occur or has occurred such that no stress excess the specified stress in the provisions except there is a document certified by reliable institute.