

Structural Design Information

Structural submissions being received by the Buildings Ordinance Office are ever increasing in terms of bulk of plans and calculations involved. As a result, it is sometimes difficult to ascertain the basic assumptions and structural criteria.

2. Consequently thought should be given to presenting such information in a more consistent form, I therefore suggest the following:-

(A) Structural Plans

Structural plans should be properly indexed and the first structural framing plan should contain the following information :-

- (i) Superimposed loading and any allowance for partitions, screeds, etc;
- (ii) Concrete grades;
- (iii) Concrete covers;
- (iv) Characteristic strength of -
 - (a) Reinforcement;
 - (b) Prestressing tendons; and
 - (c) Structural steel;
- (v) Fire resistance requirements; and
- (vi) Principal codes for material specifications.

(B) Building Plans

Each building floor plan should contain the superimposed loading as in (A)(i).

(C) Structural Calculations

- (i) Calculations should be prefixed with a short synopsis of the assumptions and design considerations;
- (ii) Calculations should be properly indexed; and
- (iii) Where computer calculations are submitted the Buildings Ordinance Office reference number of the programme should be quoted.



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