GUIDELINES IN THE PREPARATION FOR APPLICATION OF STRUCTURAL PLANS

1. Structural plans can be prepared on either of the prescribed four (4) sizes, a) type 0:841 x 1189, b) type A1 : 594x847, c) type A2: 420x594, d) type A3: 297x420 cm². However for simplicity and uniformity, size shall be consistent with the corresponding Architectural plans.

   a) Standard blocking comprising the block title, contents, structural engineer professional detail shall be in accordance with IRR (Rev 2004) of PD 1096, Fig.III.1.
   
   b) Drawings on the structural plans shall include but not limited to the following:

   1) Construction notes- showing standards construction details (include reinforcing bars locations, and splicing) whenever applies;
   - concrete mixes and placing
   - concrete walls
   - structural steel
   - beams and girders
   - foundations
   - concrete slabs, drop, corner, capital, flat, depression, etc.
   - columns (tied, spiral, etc.)
   - timer / wood, structural steel, masonry and pre-fabrications,
   - joints, connections and anchorages

   2) Construction drawings shall include identification and detail of key or schedule key reference of structural elements (tabulated when there are similar elements), columns, beams, slabs, footings, roofing elements, etc.

   3) Structural Drawings shall be submitted as per reference to calculation and design analysis at the prescribed 1:100 scale.
   - detail of slabs and curbs showing locations, and connection or integral design with other structural elements
   - Identification of primary, secondary, and non-support members to establish required fireproofing.
   - Foundations, columns, beams, girders, roofing system, in any type of construction shall be presented in the standard prescribed 1:100 scale (min.).

   4) Copies of design calculations, reports, plans and specification for all constructions shall bear the signature and the seal of the Civil /Structural Engineer. Those documents shall show, but not limited following:

   c) For any construction activities on existing building, as-built drawing shall be required for reference on type of construction to be provided by the owner / applicant on any additional, changed, replaced or altered. Including the extend and scope of the new activities.

   d) All as-built drawing to be prepared by permit holder shall be presented to represent the work / project actually constructed to include all allowed amendments and shall indicate the sizes, sections, relative locations, and connection detail of the various structural members. Strength of materials based on required test shall also be indicated. The signature, name and professional license number of the structural inspector shall be included in the as-built drawings.

2. All plans not bearing the name identifying the structural engineer responsible for the design in case of design and structural inspector in case of as-built plans is considered null and void and do not constitute an official submission of a structural plan for application for building permit and certification.