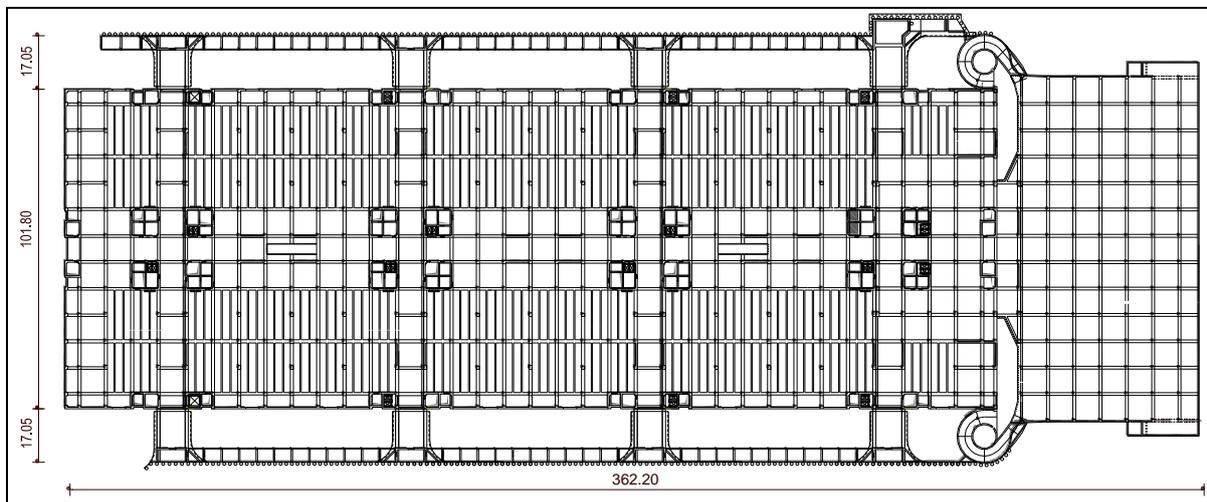


INTERNATIONAL BROADCASTING CENTER (I.B.C.)

A long rectangular building with dimensions of approximately 360x100m, the I. B. C. building was constructed at the bustling intersection between Kifissias Avenue and Sp. Loui Street and housed all the broadcasting activities of the games. The number and the arrangement of the various levels of the building were specified after taking into consideration not only the building's function during the Athens 2004 Olympic games, but also its' post-olympic usage.

The I. B. C. building has a lower part that is approximately 7.0m high and constructed of reinforced concrete. In addition, the building has an upper part variable in height and constructed with structural steel. In sum, our firm was responsible for all of the building's concrete works, i.e. foundation, lower part of building, basement, bridge type accesses to the ground level of the building and external works, including pile retaining walls.

Designed to have an 8.40x8.40 basic module of column spacing, certain areas of the building's column spacing were extended to 16.80x16.80m in order to allow free space for medium size studios. Columns measured at square 1.0x1.0m in cross section. In addition, horizontal forces due to seismic requirements were undertaken by a system of strong shear walls located in the perimeter of the building and at elevator and staircase shafts.



International Broadcasting Center: Ground level framing plan



International Broadcasting Center: General aspect

In the areas of the elevator and staircase shafts, the foundation of the building was designed with spread footings measuring at dimensions of 30x30x1.80m. A grid of intersecting foundation beams measuring at a typical height of 1.50m was also constructed in the remaining areas.



International Broadcasting Center: Completion phase of the concrete structures and initial assembly stage of the steel structure

During the Olympic games period, one basement story 7.0m high was initially constructed for the needs of the broadcasting center. An intermediate floor of steel composite structure was then constructed so that two floors of car parking would be available for the post-olympic usage of the building.



Post-Olympic addition of a middle floor in the lower part of the IBC building, for the provision of additional car parking