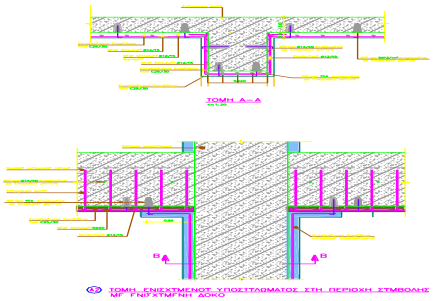
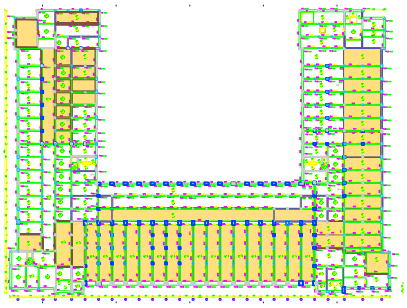
ASSIGNMENT NAME:	**Structural and Earthquake Vulnerability Assessment of I.E.T.A. Building in Chalandri - Athens**
Country:	GREECE
Location:	Chalandri
Client:	BANK OF GREECE S.A.
Start date (month / year):	3/2002
Completion date (month / year):	9/2002
Other members of partnership (if any):	--------
Consortium Leader:	G. Parigoris – (STRUCTURAL DESIGN S.A.)
Construction Cost (€):	2.000.000
Value of the Services provided / Participation percentage:	310.000 € / 100%
Assignment state:	Part of the design has been implemented





Narrative description of Project:

Structural and Antiseismic Vulnerability Assessment Design is included within the present assignment.

The I.E.T.A. complex is composed by 5 different, static independent double storey buildings, named A,B,C,D and E. Within the assignment, an extension of A's and E's 2nd floor has been studied. The outer dimensions of the buildings are:

α) Building A : 39.70 m. x 23.00 m. approx.

β) Building B : 44.00 m. x 23.00 m. approx.

γ) Building C : 30.40 m. x 65.40 m. approx.

δ) Building D : 47.90 m. x 23.10 m. approx.

ε) Building E : 35.90 m. x 23.10 m. approx.

The average mixed height of the floors is 3.85m (1st basement floor), 5.35m (ground floor), 4.40m (1st floor) and 4.00m (2nd floor).

All buildings are made of Reinforced Concrete and its main structural system is consisted of plates, beams and typical rectangular columns.

The foundation is formed by single footings (internal columns) and continuous spread footing (perimeter columns). Due to the age of the building (~60 years), and the bearing structural system wear from the recent earthquakes that took place at the wider area of Athens, there was an exact surveying of the status quo of structural elements through the 5 buildings, and a damage record.

Finally, after the evaluation of the results, the final repair and structural strengthening proposal was modified, using several different methods, which enhance the static and seismic load capacity of the buildings.

Description of services provided within the assignment:

The services covered the fields of:

- Detailed syrverying of the present situation – damage record – damage evaluation
- Structural and Earthquake Vulnerability Assessment – Results – Evaluation
- Final Design of repair and structural strengthening proposal
- Detailed Design of repair and structural strengthening proposal