

PROJECT TITLE

Building of the Technical College (T.E.I.) of Piraeus: a) Auditoriums Building,
b) Extension of the Library Building, c) Building A' of the New Wing, d) Building B' of the New Wing

LOCATION

Egaleo, Attiki, Greece

CLIENT

Technical College (T.E.I.) of Piraeus

DESCRIPTION

A) Auditoriums' Building

The Auditoriums' Building occupies a plot of 1.963m² and has a total mixed surface of around 3.960m².

The building is located in approximately the middle of the eastern part of the plot that TEI owns, which forms a part of the Merkati site, situated at the corner of the streets P.Ralli and Thivon.

The building is developed in **multiple levels**, due to the inclination required for the auditorium which is located in the central part of the building, while the rest of the operations are developed around it.

The overall building will house a **central auditorium**, **seminar halls**, **offices** as well as the **ancillary areas** necessary for the operation of the building (canteen, WCs, storage-rooms, rooms for electrical/mechanical installations, etc).

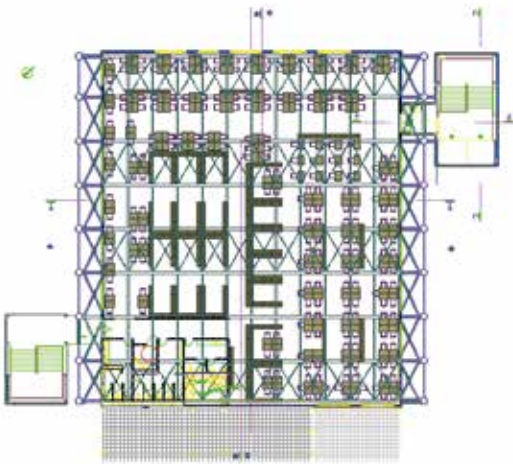
The **bearing structure** of the building is **reinforced concrete** and the **roof of the auditorium** is constructed by **steel joints** coated by polyurethane panels of which both sides are covered by steel plates.



Plan View of the Auditorium Building



Views of the Auditorium Buildings



Plan View of the Library

B) Extension of the Library Building

Scope of the work is the carrying out of the **Implementation Designs** (Architectural, Structural and Electrical/Mechanical) and the preparation of the **Tender Documents** for the Extension of the Library Building of the Technical College of Piraeus.

The project comprises of:

- **erection of one more floor**, totaling a surface of 974,30m², over a part of the existing building of the Technical College of Piraeus,
- construction of certain **re-arrangements** at the relevant existing **ground floor**, and
- construction of **two vertical connecting corridors**.

The extension's vertical bearing structure is from **steel sections**. In order to avoid extended damages on the existing structure, the construction has been decided of a 33 meters span steel frame around but not based on the existing structure, which will act as an independent bearing structure.



During Construction



Views of the Building A'

C) Building A' of the New Wing

Scope of the work is the carrying out of the **Architectural, Structural and Electrical/Mechanical Implementation Designs** and the preparation of the **Tender Documents** for the construction at the Technical College of Piraeus of Building A of the New Wing which will cover the educational needs of the Technical Applications Department.

The building having a total surface of **6.530m²**, comprises of an **elevated ground floor, two floors** and a **basement covering all underground surface** of the building.

The building will cover the operational needs of **teaching rooms, laboratories, professors' offices** and **ancillary areas**.

Inside the building, two open atriums are developed which will provide for natural lighting.

The bearing structure of the building is constructed with reinforced concrete.



During Construction of Building A'



Plan View of Building B'

D) Building B' of the New Wing

Scope of the work is the carrying out of the **Architectural, Structural and Electrical/Mechanical Implementation Designs** and the preparation of the Tender Documents for the construction at the Technical College of Piraeus of Building B of the New Wing which will cover the educational needs of the Technical Applications Departments.

This building has a surface of **5.025m²**, and comprises an elevated ground floor, two floors and a basement all over the underground surface.

The building will cover the operational needs of **teaching rooms, laboratories, professors' offices** and **ancillary areas**.

Inside the building, an open atrium is developed which will provide for natural lighting.

The bearing structure of the building is constructed with reinforced concrete.



During Construction of Building B'