



CE486 TERM PROJECT

PRELIMINARY REPORT

Preliminary Design (Due Date: November 25th, 2014)

Preliminary design reports are due the beginning of the presentations on Nov 25th.

During presentations, each group will be required to ask questions and correct errors of others. This performance will be included in the evaluation.

1. Form a group of three students. Work and present the following tasks. The project aim is to design a social facility building located in İstanbul at seismic zone 2 and rests on Z2 class soil.
 - Study the architectural plans
 - Establish the structural design criteria
 - Determine the loads and load combinations (gravity loads only)
 - Establish a load carrying mechanism and perform a preliminary design
 - Design the structure only for gravity load combinations
2. Assume the allowable bearing pressure is around 2.0 kg/cm^2 .
3. Submit:
 - Design Report & Structural Computations for Preliminary Design
 - Design Drawings (A3 Size only)
4. Presentation of the projects will be on November 25, 2014.