

**Visit to the central building (K-building) of the BME 17. 02. 2015**  
**"Open-eye strategy"**

Find answers to questions, like:

- Function(s)?
- Materials used?
- Dimensions?
- Tools of aesthetical expression?

- Connections of function(s) and dimensions?
- Connections of function(s) and materials used?

Ground plan system organization principles

- Two bay system - natural illumination requirement

- Internal courts system - natural illumination

- Dimensions:

- Corridor network* system – corridor width requirement (passing by of 2x2 circulating people)

- "Education"-bay: *classrooms* (cca 50 m<sup>2</sup>: 7x7 m) and *departments* (studies + inner corridor: cca 7 m)

- Vertical circulation system (staircases and elevators) – at corridor junctions, fire escape routs

- Placement of *lecture halls* of two different magnitudes: at standing out building corners, between

- internal courts

- Placement of lavatories and *toilettes* at corridor junctions (on internal side)

- Positioning of festive hall (central meeting hall) and aula

- Overall dimensions – capacity requirements

Some other design principles:

- Turn functional need to aesthetical expression tool

- Protection of corridor walls - use of glazed ceramic tiles

- Emphasized protruding cornice – protection of the façade from rainwater

- Find more examples!

- Material use: use of more expensive materials at central parts

- Examples?

The loadbearing structural system

- Horizontal and vertical loadbearing structures

- Structural materials used?

- Ways of overspanning different spans: corridors, classrooms, lecture halls, aula

- Way of following load increase downward?

- Multifunction use of loadbearing structures:

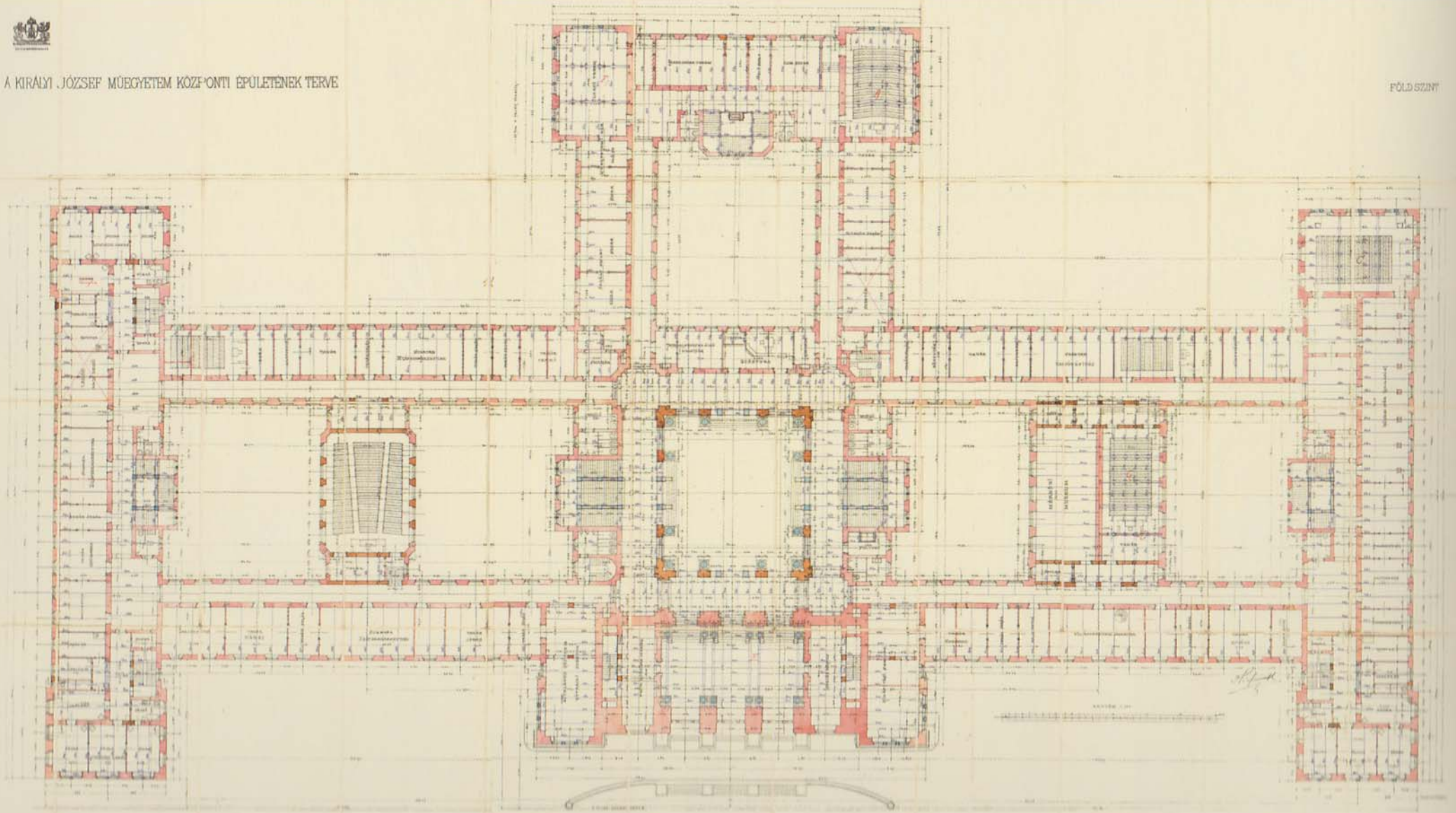
- Loadbearing, space separation, thermal insulation, .....?

Notes:



A KIRALYI JÓZSEF MŰEGYTEM KOZFÖNTEI ÉPÜLETÉNEK TERVE

FÖLD SZINT



Original ground floor plan