

THE EXTENSION OF KÖNYVES KÁLMÁN SECONDARY SCHOOL BUDAPEST, HUNGARY

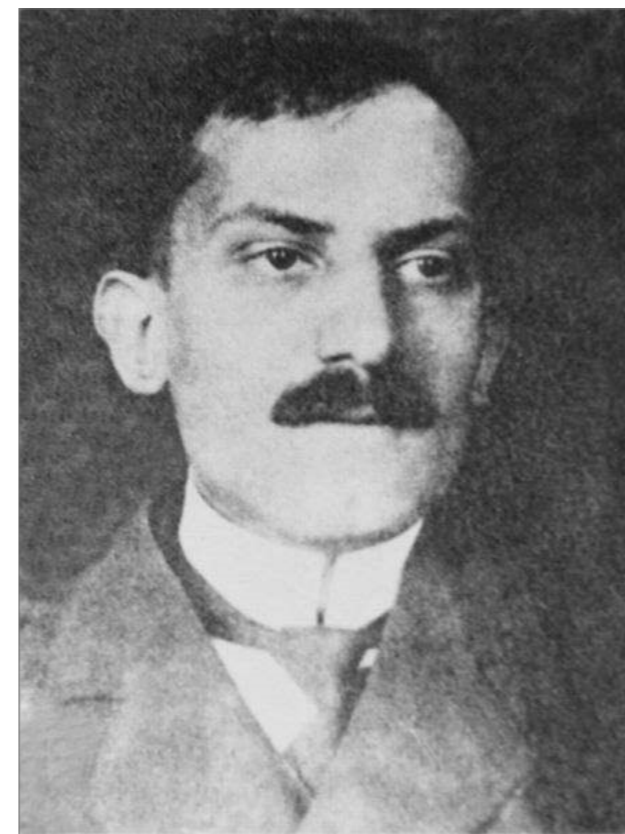


Könyves Kálmán Secondary School was founded in 1905. at Újpest, Budapest, Hungary. Architect Pogány Móric got the commission to design the building of the secondary school.

The typology of the building is the German one, which is focused only on education but the student's life. The classrooms and laboratories are linked by the longitudinal corridors, which lead to the main staircase and the side one at the northern wing. The only hall is the main event hall where students are gathered together during events. The philosophy of this design is: Arrive, go to your classroom, learn and then leave.

In 1914. the works had been finished and the academic year of 1914/15. has been started in the new building. Until that time the education took place in another school, two blocks away. During the second world war in 1944. and 1945. the secondary school suffered serious damages and eleven years later, in 1956. during the revolution too. The building got hit by multiple tank shells and by handguns. The reconstructions were always successful, the structure was reinforced every time, but those works involved only restoration. No modifications were applied on the organization of the spaces. In the '50s, the observatory was built, so the school became the first one in Hungary with an own observatory.

The educational system has changed a lot during one century, but the directorate and the teachers have still kept the aim of a student-central education at a high quality. Today, around 700 students are taught by 40 teachers day by day. Since 2012. the adult education has started again, providing four evening classes.



PROBLEM ANALYSIS

The design program of the extension is lead by multiple goals. The usual number of pupils is around 650 are taught by 47 teachers. 17 persons work permanently as the service staff. All together the building has to host 714 persons a day.

I. The short of classrooms:

The average number of pupils in one class is 31. They study six or four years, depending on the chosen cycle.

The building has a short of classrooms, so the school has to rent four in addition, at the opposite secondary school. The students have to cross the busy Pozsonyi road multiple times daily, in order to visit their classes in the main building. Despite the high control of their teachers, the crossing is dangerous and they miss time from the breaks. So the first aim of the project is:

Find the place of the four required classrooms in the main building!

II. The gym:

The existing gym is insufficient, the max. area of 265 m² is not enough for the daily physical education for each class. Two classes do PE at the same time, the students are split by genders. During winter one group can use the gym, but if the weather is bad the other group does PE on the corridor of the ground floor. The second aim is:

Design the required sized gym!

III. The aula and the mensa:

In 1905. the philosophy of a secondary school was totally different then nowadays. The lack of the public spaces where students can meet, can do their after-school activities, where everybody can have an own locker, is serious. The only suitable space is on the first floor, but this is the only representative space of the building, it is open only at events. 714 persons stay daily at the school. Usually 25-30% eat at the mensa, where they serve ready, warm food. Now, only a 50 m² large old classroom hosts the mensa. For 200 persons is insufficient.

The third aim is:

Design an aula for the students in connection to the mensa!

IV. The event hall:

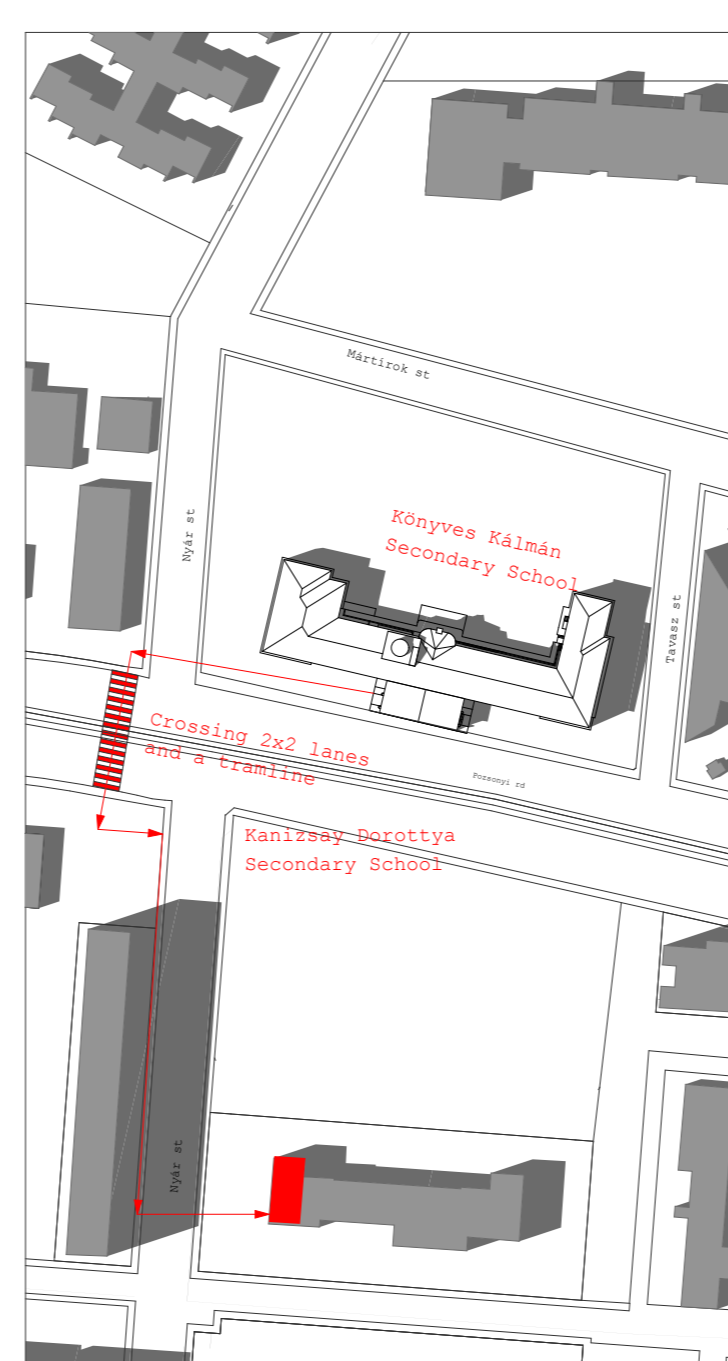
As it was mentioned above, there is only one event hall, with an area of 170 m². Holding an event which involves all the quarters of the students is very hard. The ceremony of the opening and closing of the academic year is held outside.

The banquet of the 12th class is held in an event hall although.

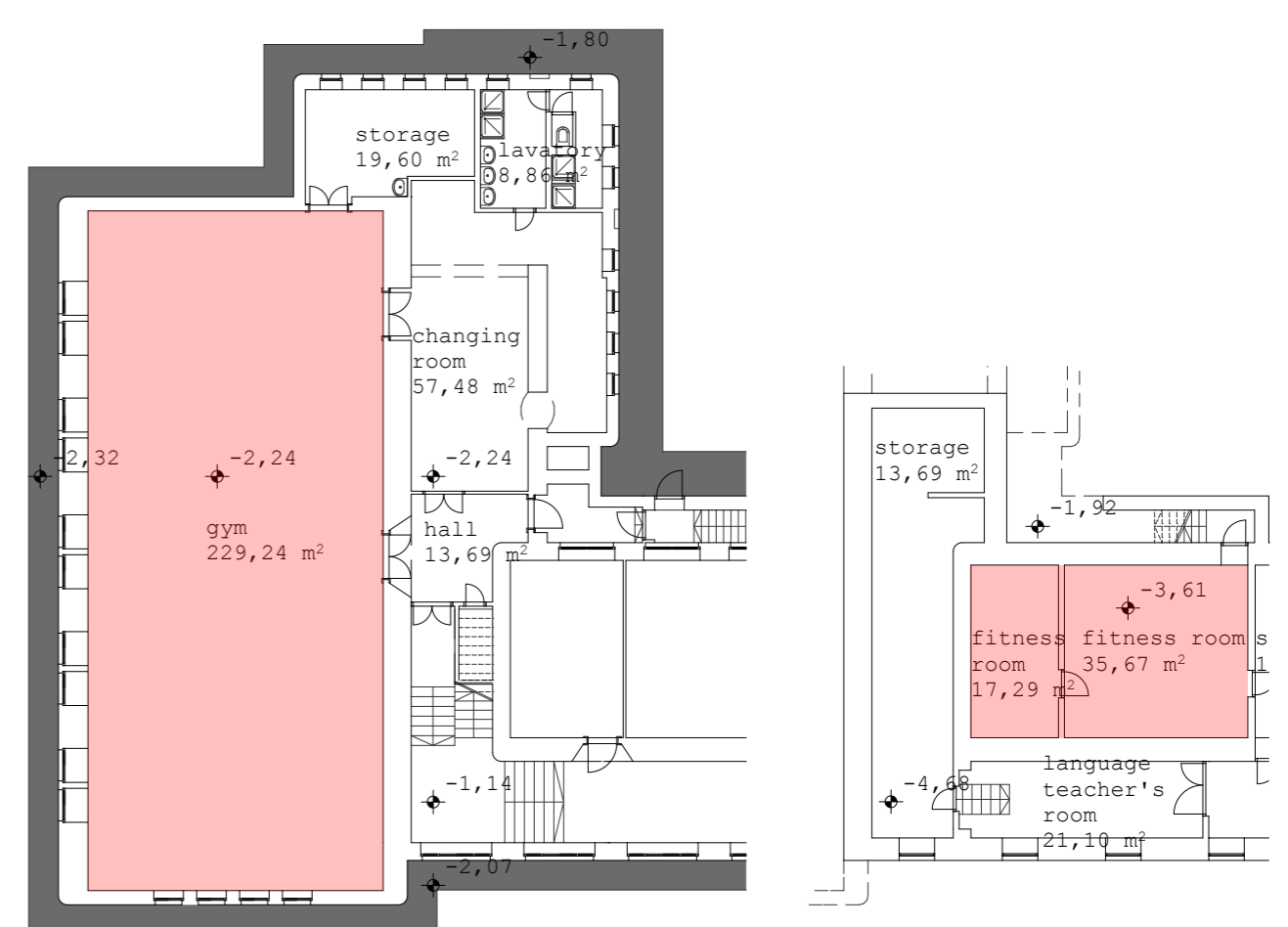
The fourth aim is:

Design an event hall!

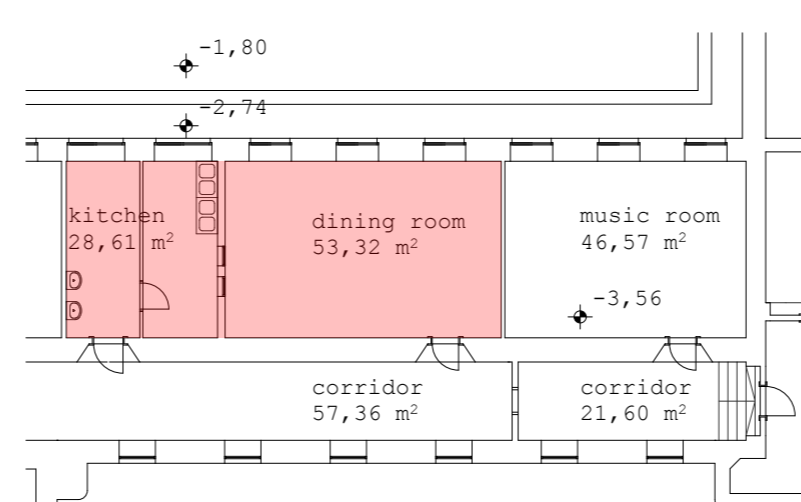
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