

The extension work on the facilities at the G A V I N A S C H O O L includes the construction of a hall suitable for hosting all types of events (meetings, parties, music and theatre shows, etc.) in addition to its principal function as a sports facility, complete with changing rooms, a music room and a psychomotricity room.

The new building blends in with the existing one, which dates back to 1980, and is characterised by its rectangular prism shape with a clearly-defined porticoed structure. The volume has been partially emptied, although the structure remains intact.

The composition of the new building is a reinterpretation of the original concepts, based on an innovative construction solution: a rectangular prism of white concrete walls erected 'in situ' whereby all the corners have been left hollow, allowing space for the entrances and illumination openings of the various spaces.

The result is a southern façade providing direct access to the outdoor sports track which also connects directly with the indoor track by means of a large sliding door positioned under a vast glass panel fitted from floor to ceiling that illuminates the interior. This, in turn, is protected from the sunlight by latticework made up of horizontal slats.

Each of the panels on the sliding door has been fitted onto a metal structure that acts as a frame for the square ceramic latticework pieces, enclosed with 3+3 safety glass in a selection of randomly arranged colours.

The hollow in the east façade features the main pedestrian access to the building, as well as a large glass panel that illuminates the music room, all protected by the overhanging section of the struc

ture. Once inside, this access leads to the corridor which in turn takes users to the various rooms on the ground floor and the stairs up to the first floor. There is no entrance on the west façade; indeed, its orientation makes this a blind façade that offers glimpses of the sides of the openings on the adjacent façades.

Finally, the hollows on the north façade house the access to the installations facilities, as well as the light and ventilation hollows on the ground floor. A spatial structure was created for the roof, characterised by a geometry that creates triangular skylights. This solution not only provides illumination, but also allows for excellent cross ventilation, thereby eliminating the need for any other air conditioning systems.

The indoor sports track is the largest space in the building. The men's and women's changing rooms and the staff room are the other spaces that comprise this sports area. In all cases 20 x 20 cm white ceramic tiles have been used for the floor and walls- class one for the walls and class 3 for the floors - as they are all high traffic areas requiring highly resistant and long-lasting finishes.