

Application for the competition for the new school in Skaerbaek:

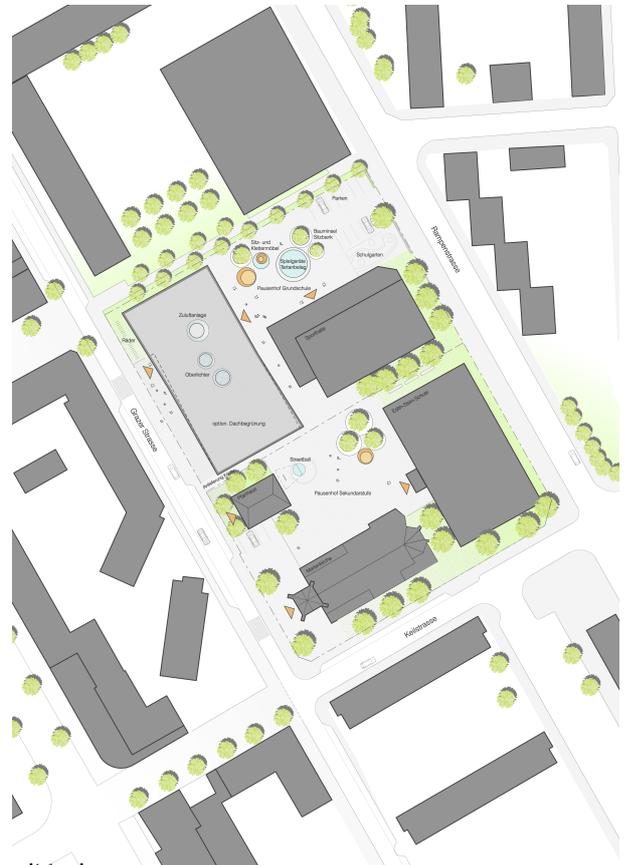
References of built projects

Reference 1:

Elementary School Stella Maris in Hildesheim, Germany



aerial view construction area



site plan

Client

Catholic Church, Bistum Hildesheim, Domhof 18 – 21, 31134 Hildesheim, Hr.Kessler Tel: 0049-5121/307 250

Planning- and Construction Period

2009 to 2011
competition 1st prize

Work phases

german phases 1 through 9
building sum 5,08 Mio € Euro

Multiple uses of group- and classrooms, Rooms for differentiation, Workspaces, canteen including kitchen, assembly hall and meditation, administration

In the inner city of Bremerhaven, an existing school campus was to be complemented with a new building for the Elementary School Stella Maris. The building closes a gap in the structural layout of the city. With a small recess in the facade, the new building mediates between the adjacent buildings and the neighbor church. The red-lively brick facade with ornamental single stones gives the building a changing appearance due to weather and light. For each year-group, an own “quarter” in the upper floors has been designed, including classrooms, workspaces and open communication zones. The identification of the children with “their” quarter is emphasized by unique colors and matching wardrobe-objects. From outside, the box windows stick out and give a strong character. The whole building is supplied with a mechanical ventilation system and is added by regenerative heat recovery systems, which together make the building comparable to a passive energy building, yet does not restrict the use by children and teaches in this way. The supply with generous amounts of daylight is given in all floors through windows and light-cones.

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view towards church

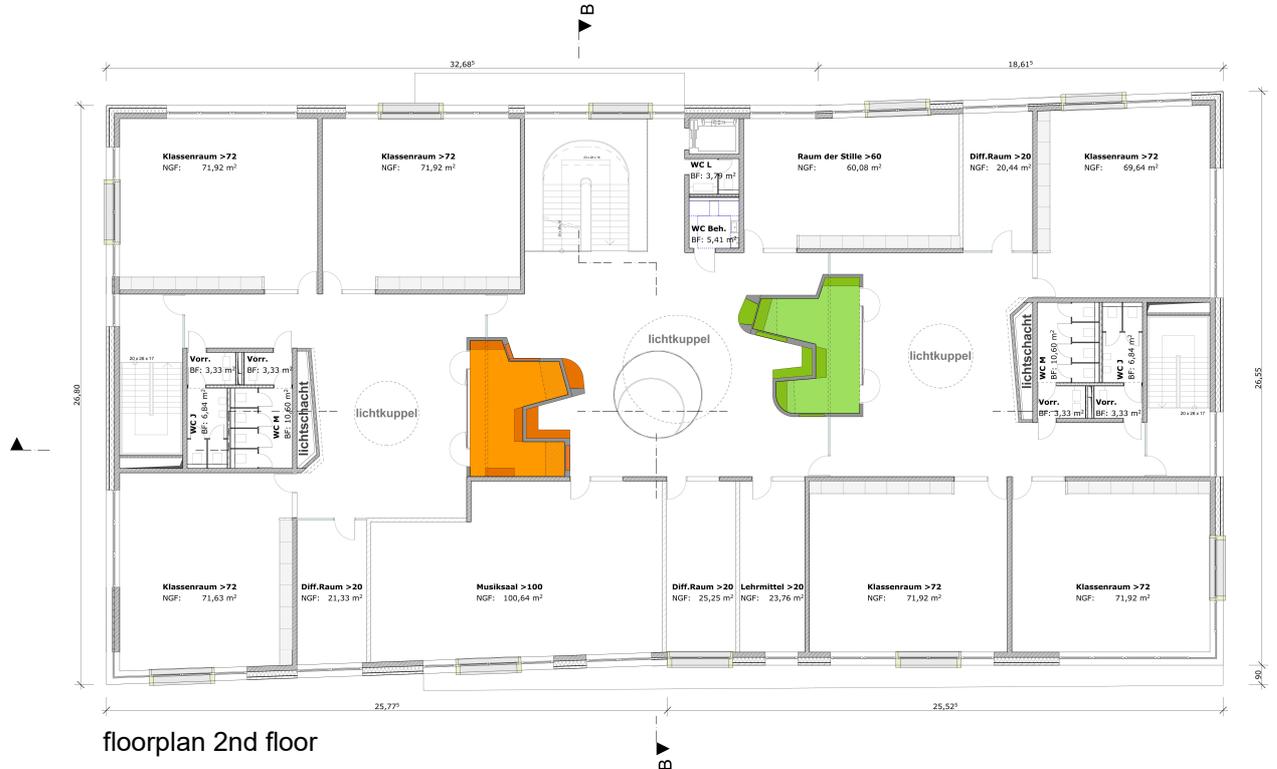


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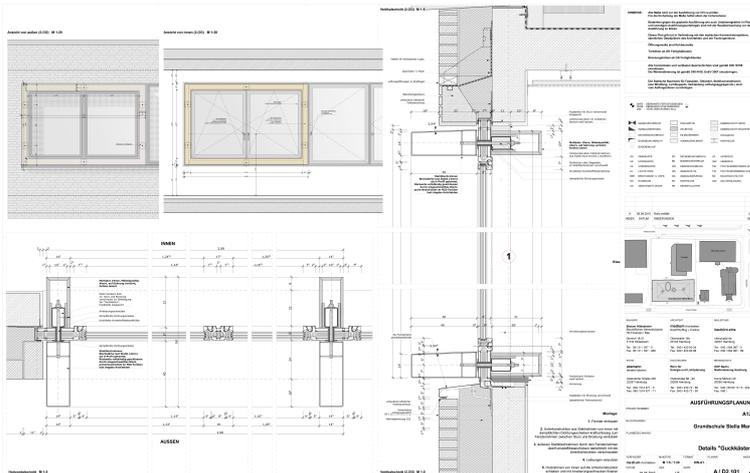
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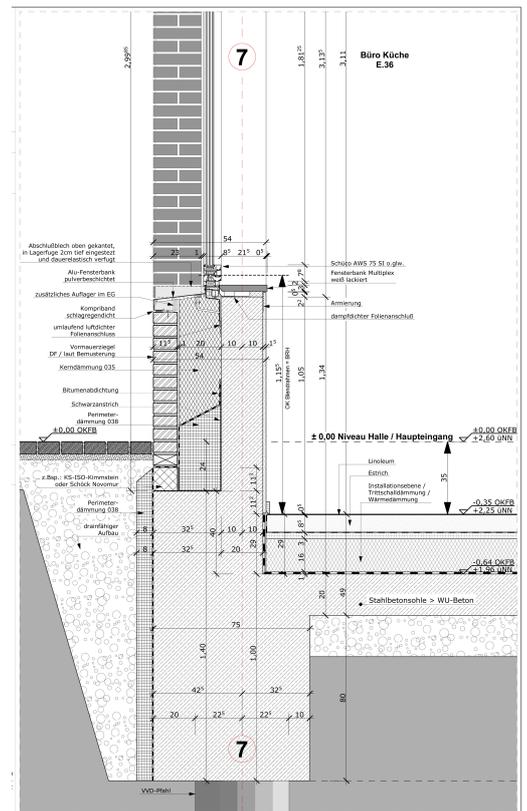
Elementary School Stella Maris in Hildesheim, Germany



detailing of box windows



section through facade



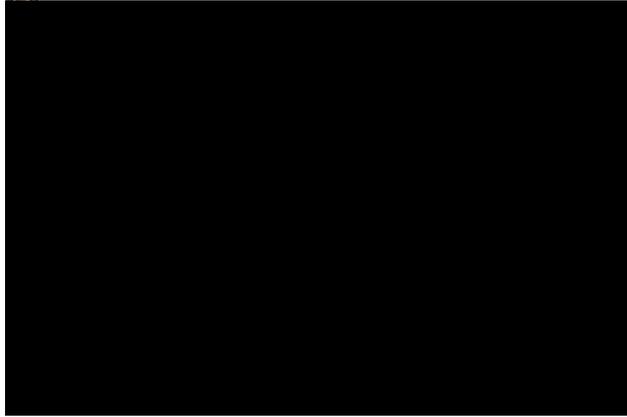
box window from inside

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streetfacade



schoolyardfacade

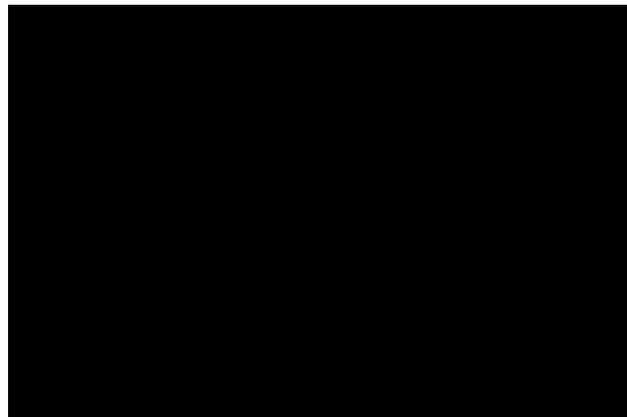


classroom

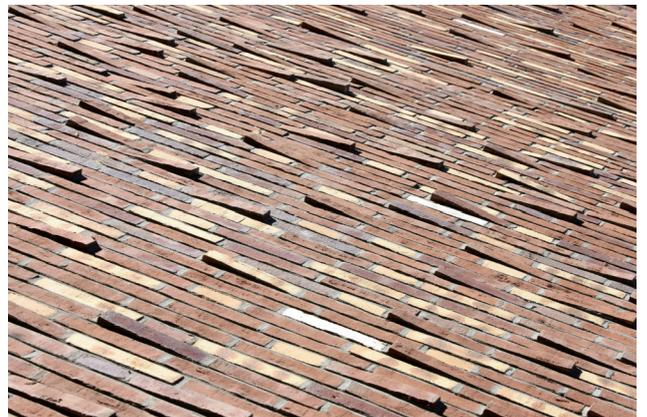


wardrobe object for quarter

letters as acoustic elements



shadows of ornamental brick



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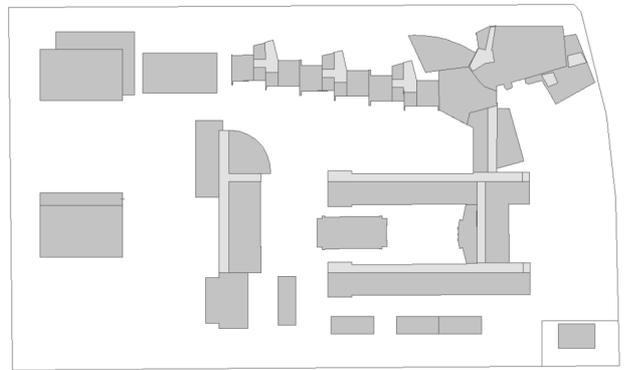
References of built projects

Reference 2:

New building and restauration Stadtteilschule Niendorf in Hamburg, Germany



aerial view



structural plan of exintence

clientr

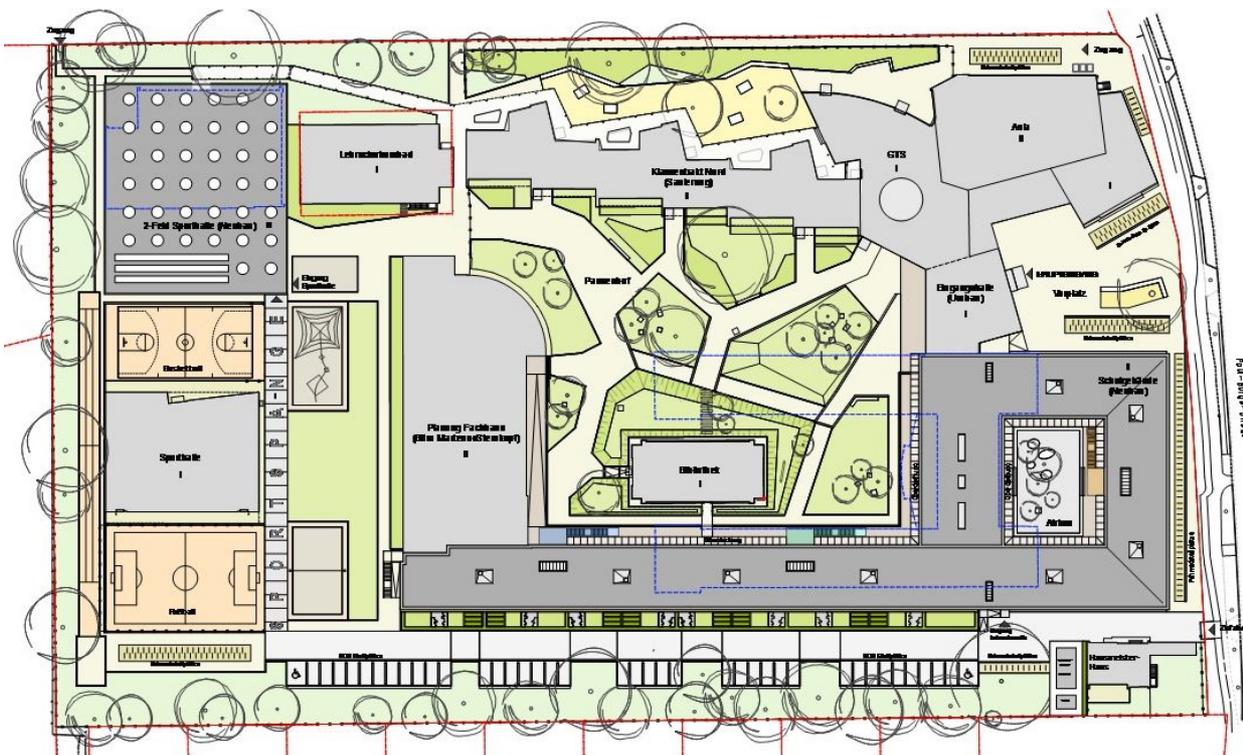
Schulbau Hamburg –SBH-, An der Stadthausbrücke 1, 20355 Hamburg
Herr Noetzold, Tel: 0049 -40 – 42823-6352

planning- and construction period

2013 - 2015 / 2015 - 2017
Baubeginn August 2015

phases

german phases 1 through 9
budget brutto 15,47 Mio €
gross floor area 9.320 m²

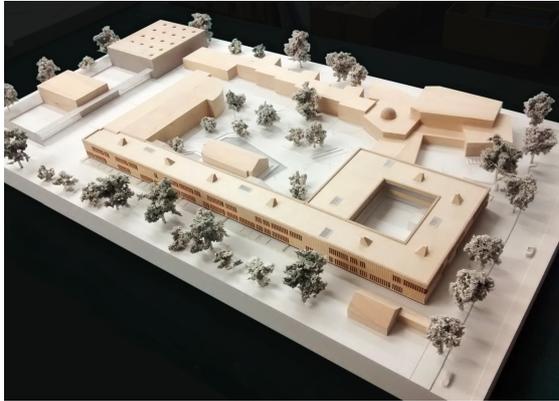


site plan

Application for the competition for the new school in Skaerbaek:

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Reference 2: New building and restauration Stadtteilschule Niendorf in Hamburg, Germany



view from south-west (model)



view on main entrance east (model)

The Stadtteilschule Niendorf is being modified to an all-day-school, running 8 parallel year group classes. The architecture has to allow the everyday-use of innovative and changing educational concepts. A main goal therefore is to create an easy to access system and well organized spaces, so the big amount of tudents and parallel activities can be calmly organized and found easily. Next to good daylight, a well planned acoustic has been in focus here.

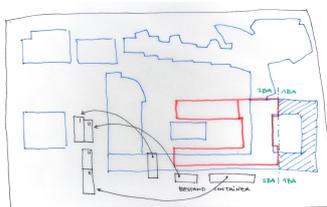
The Stadtteilschule is an existing complex of school buildings from different time eras, hosting 950 students and ca. 120 teacher. Not only classrooms, but also science rooms, adminsitration, canteen, kitchen, library, assembly hall, a pool and two gymnsaiums are part of the partially new built emsemble. Within the renovation of the existing parts, the energetic standard is taken into current reguations, by putting focus on having as little change on the buildings as possible. The new buildings are low in energy-need and designed to fit into the campus and complete it in design language and identity.

Because of the condition that the school is in continuous use throughout the building time, a temporary container-village has to be offered south of the new gymnasium, until the whole new school can be officially used.

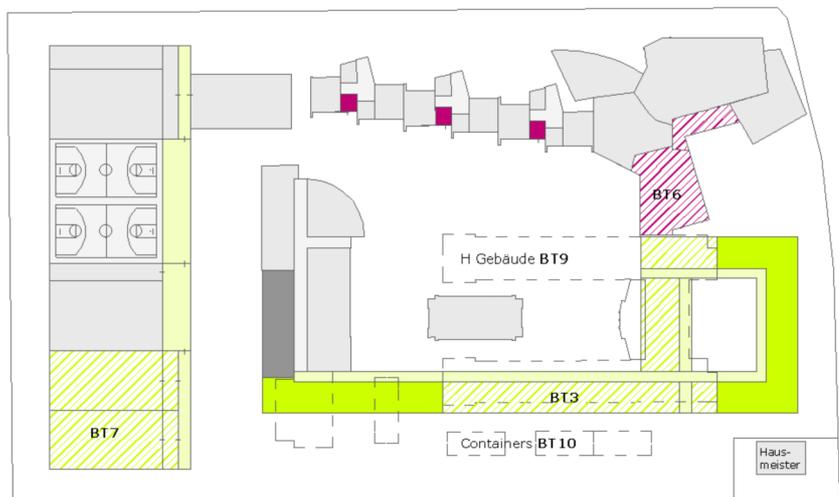
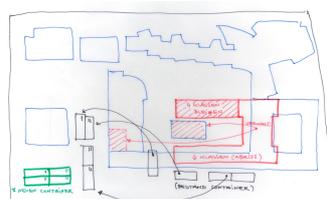
Apartial building process plan

Erweiterungsbau für die Stadtteilschule Niendorf

me di um Architekten
 Roloff · Ruffing + Partner



different versions offered



Bestand Neubau Im Bau Umbau Im Bau Abbruch

Entwicklungsschritte
 2. Bauabschnitt

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Reference 2: New building and restoration Stadteilschule Niendorf in Hamburg, Germany

Groundfloor floorplan



floorplan 1st floor

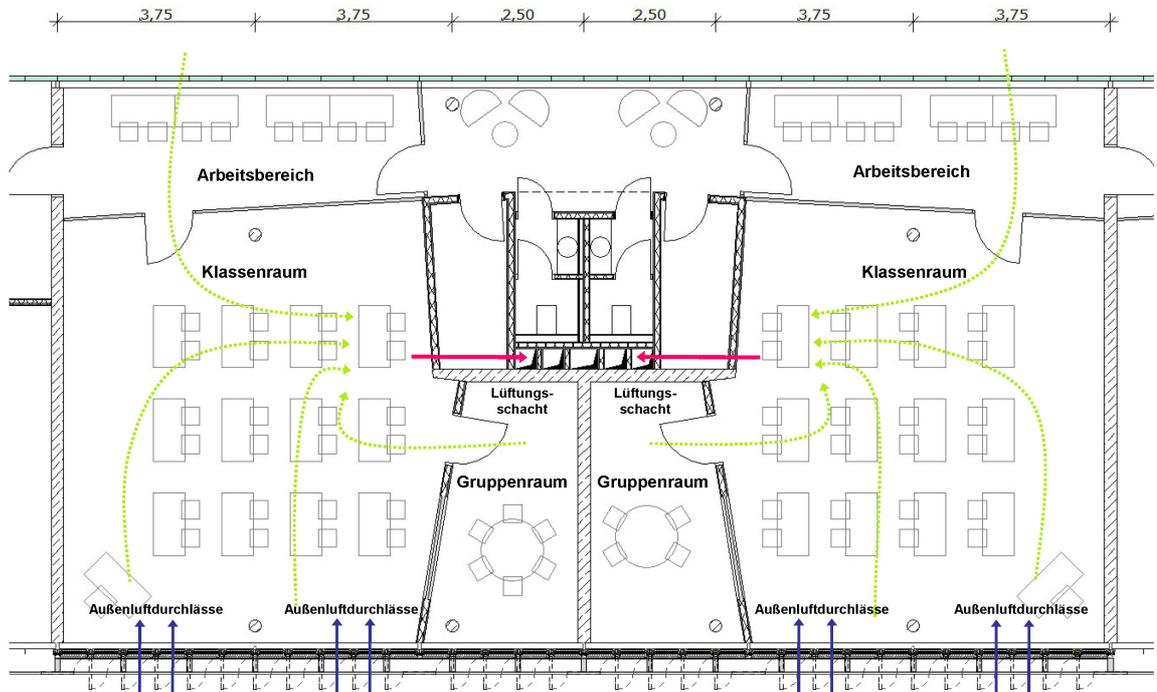


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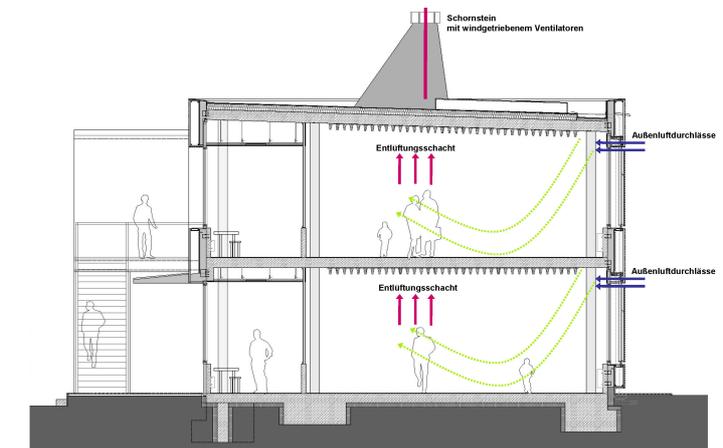
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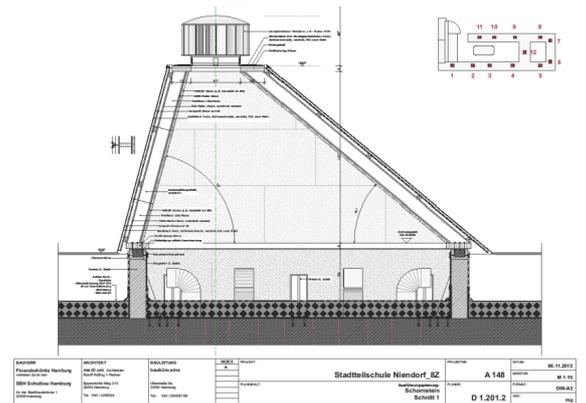
New building and restauration Stadteilschule Niendorf in Hamburg, Germany



floorplan compartment



natural ventilation concept



ventilation chimney with Savonius-Rotor

elevation from Paul-Sorge-Straße



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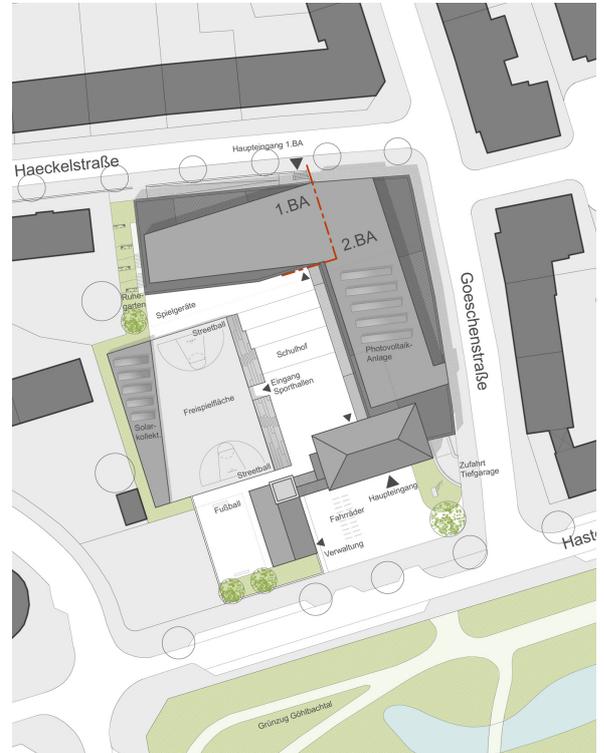
References of built projects

Reference 3:

New School Nils-Stensen-Gymnasium in Hamburg, Germany



areal view



site plan

client

Katholic Schools Hamburg, Herrengraben 4, 20459 Hamburg, Herr Tjaden Tel.: 0049-40 - 378636 - 20

planning- and construction period

2009 to 2011
WBW 1. Preis

phases

german phases 1 through 9
budget 1st part 5,88 Mio €, final 19 Mio €
gross floor area 4.144 m²

multiple uses of group- and classrooms, rooms for differentiation, Workspaces, canteen including kitchen, assembly hall and gymnasium

On the site of the old firedepartment in Hamburg – Harburg the Nils-stensen-Gymnasium found its new home. The realization of the school's building took place in several sections. The existing building of the fire department as been incorporated into the schools design and use. Following this, the new building for the first amount of classrooms has been constructed. As a last part, the rest of claarooms and the gymnasium have been added. By adding this ensemble to the urban grid, this is completed and a gap has been closed. The school has been built as a certified passive building, complemented with regenerative uses of energy. The combination of environment-friendly building, open use structures for the school and a strong character in the city layout make the Nils-Stensen-Gymnasium a scholl with which the students highly identify themselves.

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view towards schoolyard with dug-in gymnasium



section new building – fire department

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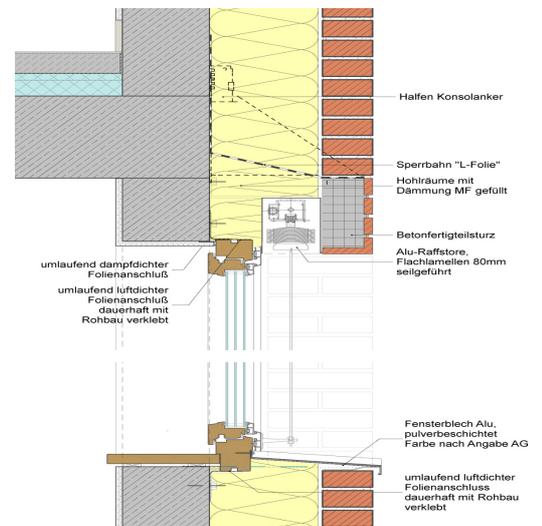
New School Nils-Stensen-Gymnasium in Hamburg, Germany



floorplan groundfloor



geothermal energy



detail passive house

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entrance area



schoolyard



classroom



corridor extension as flexible use area

wardrobes



science room

