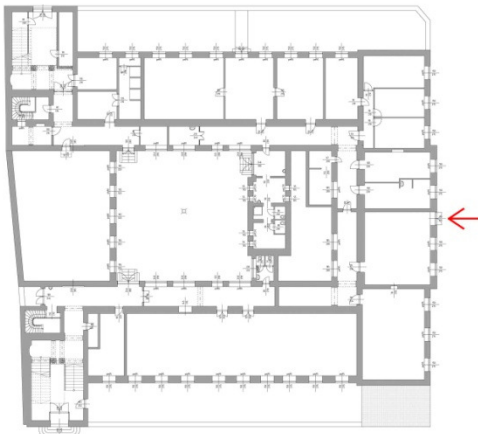


Type of injury

Loss of brick in the window

LOCATION



First floor window



window of Mezzanine floor

Pathologies description

- Breakage and loss of material in the molding of the base of the window, due to poor preservation and all the climatological factors that have accelerated the disappearance of the brick

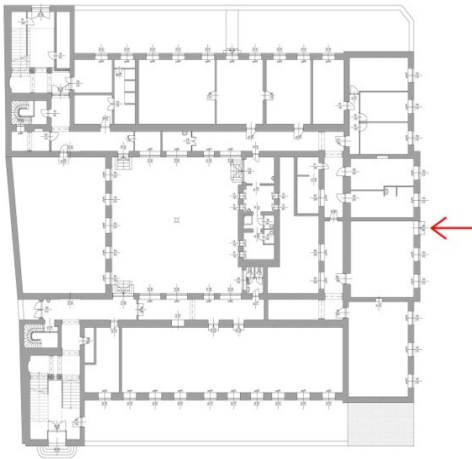
rehabilitation method

- To clean the area of work of all the materials in poor condition
- Damages brick removed
- Repair mortar molding and casing of the window
- Remove the old window for a new window with safety glass
- Change the weatherboard and proof the sill of the window

Type of injury

Material loss

LOCATION



Bottom of the façade

Pathologies description

- Breakage and loss of material in the molding of the base of the facade, due to poor preservation and all the climatological factors that have accelerated the disappearance of the stone on the boards and corners.

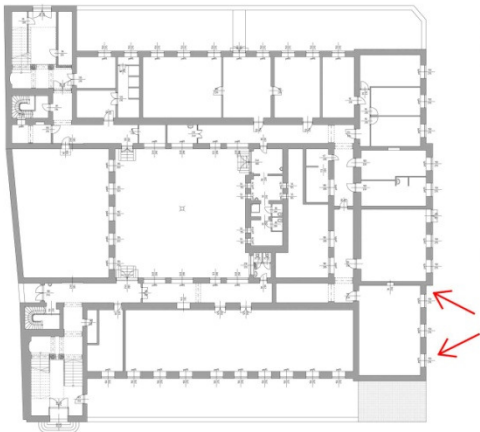
rehabilitation method

- to clean the place of work to remove the damaged stone molding
- To withdraw the old stone to be able to restore it in the workshop
- Placement of the new molding of stone in the place of work
- Fixing and sealing of the pores whit waterproofing paint

Type of injury

Dampness on the façade

LOCATION



Bottom of the façade

Pathologies description

- Appearance of mildew in the low part of the gutter of the front façade due to water escapes in the gutter curve

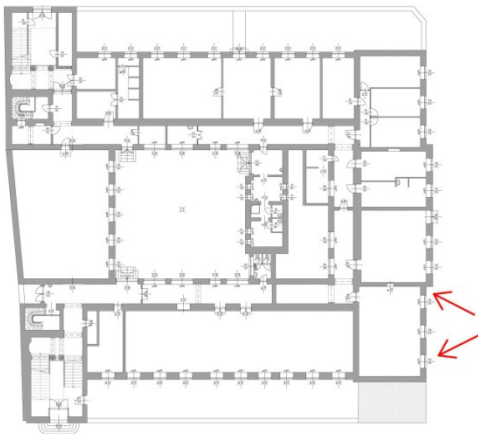
rehabilitation method

- Remove the damaged gutter
- Clean the area damaged by the humidity caused by leak of water
- To dry the affected part of the façade
- Painting applies anti mildew in the stone to avoid his future appearance
- Ventilate the damaged area of the façade
- Substitute the old gutter
- To seal the gutter whit glue weatherproof.

Type of injury

Accumulation of sediments

LOCATION



North façade first floor

Pathologies description

- A bad evacuation of the rain waters, added to the contribution of sediments of Wind or wears of the soil, it produces one bolt, that every time it is increasing since Water remains a lot of time, there are created dampness, mildews, and a great quantity of Land

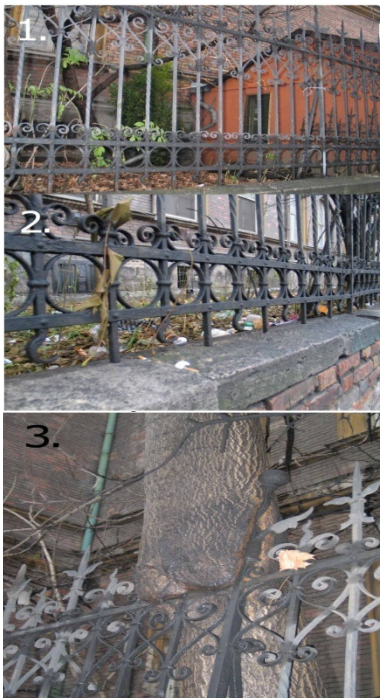
rehabilitation method

- This is a problem that can be solved cleaning the area of sediments
- To look if the gutter is not broken
- To extract the remain of moss and vegetation

Type of injury

Oxidation of metallic elements of safety

LOCATION



building's perimeter fence

Pathologies description

- Due to the sun, the water of rain and diverse environmental factors the protective caps of priming of the metallic elements have got lost and for contact whit dampness these materials oxidize, losing his resistant capacity

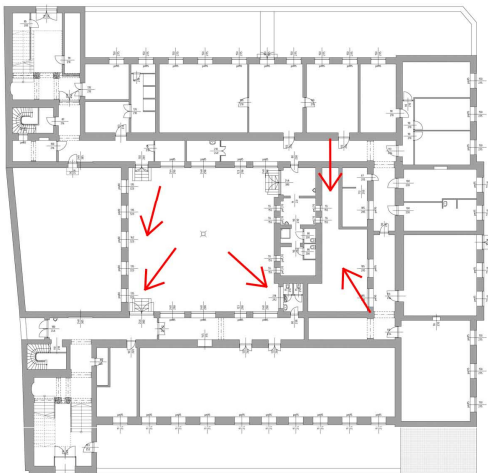
rehabilitation method

- We must replace the rusty zones, cutting and welding pieces or new junctions and to return to paint with protective priming of the outdoors, the whole surface of the metallic elements
- To cut the part of the tree that due to his growth has interfered partly the fence and even it stands out on the part of the street being able to cause later enclosed problem the fall of the same one.

Type of injury

Dampness on façade

LOCATION



4.



Interior façade

Pathologies description

- A bad evacuation of the rain waters
- the passage of time and the accumulation of water damage occurred in the wall of the front in different points of the same

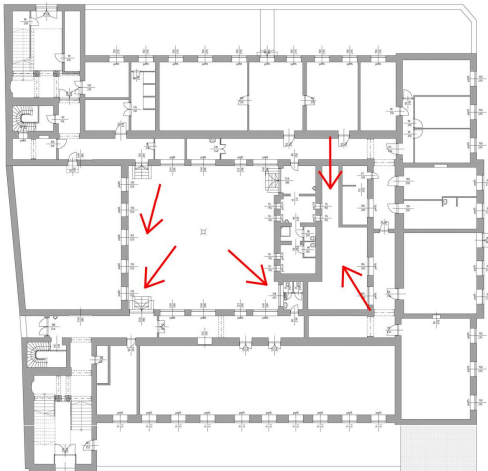
rehabilitation method

- This is a problem that can be solved cleaning the area
- removal of the facade cladding
- to break up the area affected by the humidity
- Ventilate damaged area
- Repair the façade's holes with mortar
- fix the damaged spots with waterproof mortar
- paint the façade of the same color with waterproof paint

Type of injury

Dirt in the cladding

LOCATION



Interior Façade

Pathologies description

- Due to the pass of the time the surface of the interior façade was in bad conditions like dirt in the cladding due to the weather and the bad preservation of the building.

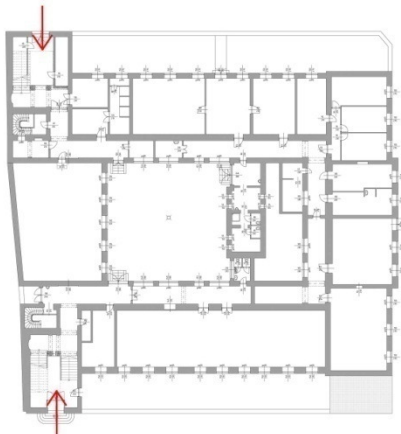
rehabilitation method

- This is a problem that can be solved cleaning the area use of pressure water jets
- Depending on the degree of dirt we can use different materials dissolve in water like fine-grade or coarse-grained of sand even chemical products.
- After the treatment of the coating we will repair the failures observed in the front with cement mortar

Type of injury

Brick cleaning

LOCATION



Towers of the school

Pathologies description

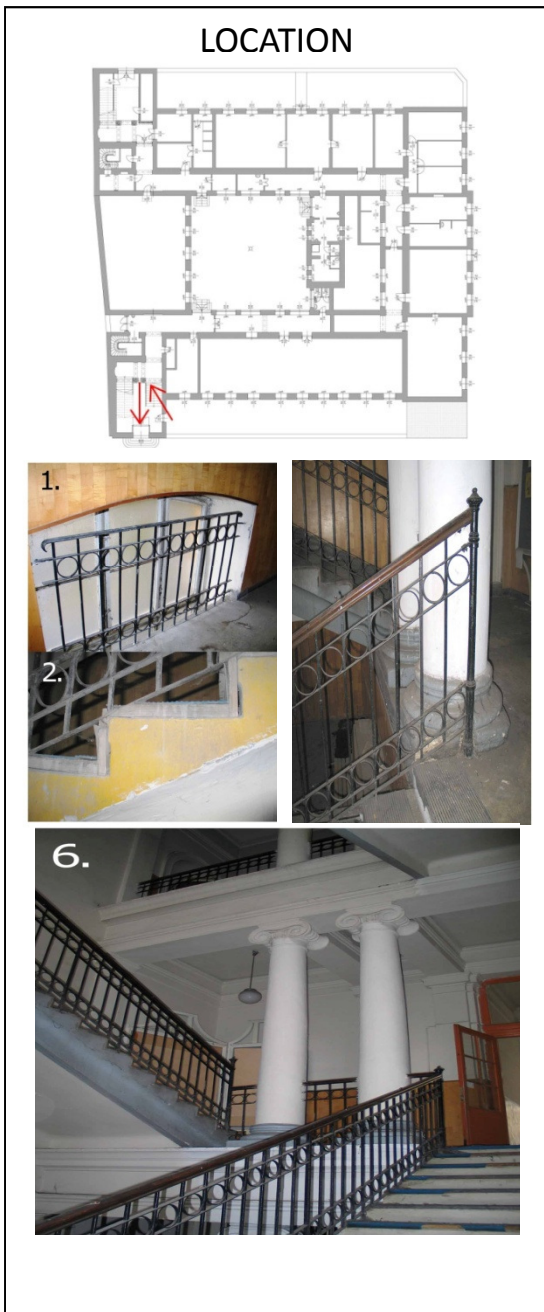
- by the passage of time the brick has lost its natural color
- Also part of the decoration is damaged and missing parts of the upper molding of the cornice and the outline of the windows and doors

rehabilitation method

- First thing to do is to replace damaged parts of all elements of decoration in the towers
- Cleaning the façade of brick using water pressure
- Depending on the level of dirtiness in the brick we can use different kinds of chemical products
- At least we need to paint the surface with a product resistant to water to conserve the natural colour of the brick in all the façades of the building

Type of injury

Demolition of the stairs



Pathologies description

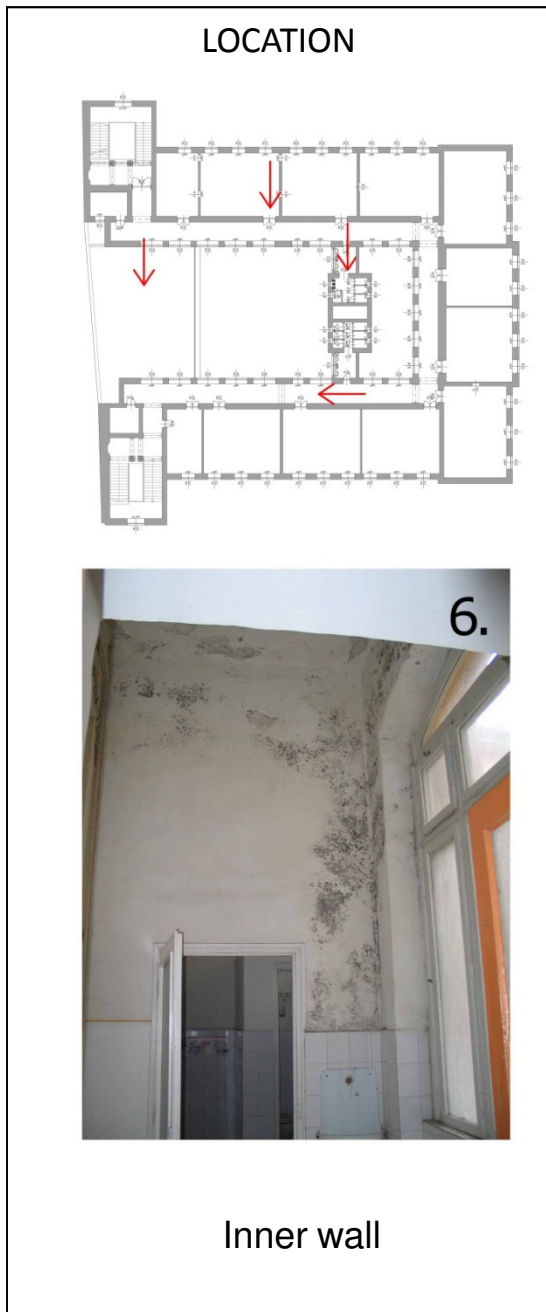
- Due to the passage of time the stairs of the south tower were very damaged and I come to the conclusion of demolish since in the new project of the building they were not necessary because there were remaining the stairs of the north tower

rehabilitation method

- To withdraw the damaged steps of the stairs
- To measure new steps to be able to make them
- To withdraw the rails of the stair
- To place new steps on a base of cement mortar
- To reinforce the handle of the rail
- To place the rail in the whole perimeter of the stairs
- To paint the rail with painting to avoid the possible oxidation

Type of injury

Dampness in the inner walls



Pathologies description

- Due to the bad ventilation in the baths dampness has appeared in the walls
- The coatings of the baths are of painting instead of being of ceramic materials to avoid the condensation

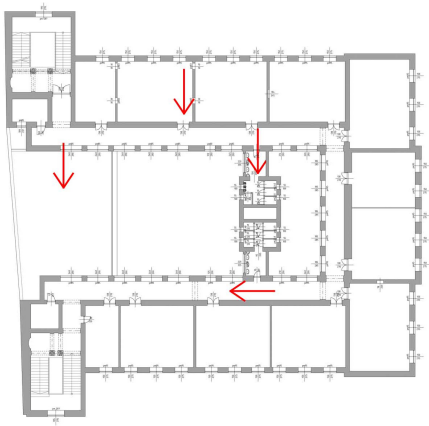
rehabilitation method

- This is a problem that can be solved cleaning the area
- removal of the wall cladding
- to break up the area affected by the humidity
- Ventilate damaged area
- Repair the inner wall whit mortar
- To cover the wall whit glazed tiles

Type of injury

Change the doors

LOCATION



Doors of the building

Pathologies description

- All the doors were in poor condition due to the antiquity of the building

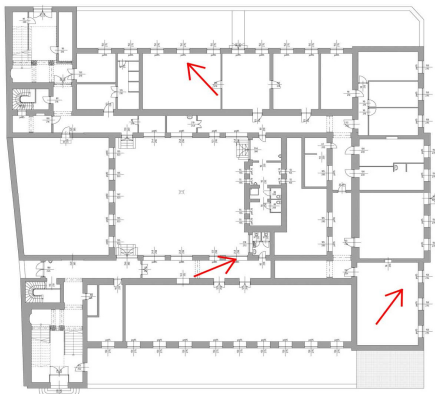
rehabilitation method

- To remove all the doors of the building
- To try to repair the doors in better condition in carpenter
- to repair the walls where the doors will be placed
- To return to place the doors in his place after being fixed

Type of injury

Change of the windows

LOCATION



Windows of the building

Pathologies description

- Due to that all the windows of the building give on the outside and have been submitted to all the climatological factors.
- the deterioration produced by the passage of time and the poor maintenance of the building

rehabilitation method

- Clean the area of work in the different floors
- Remove all the damaged windows
- Repair the windows in the carpenter
- Repair the holes of the walls
- To place all the new windows in his position
- To verify the watertightness of the windows
- To seal the windows with glue resistant to the water
- To seal the crystals of the windows with silicone