

# SCHOOL BUILDING RENOVATION REPORT

## I. BUILDING BEFORE RENOVATION

Data of building before renovation in 2014:

- year of renovation of the elevation – 1997,
- year of renovation of the roof – 2000,
- year of damp-proofing of walls – 2010,
- year of changing the windows of the south side of building – 2013,
- the plaster was falling off the walls, the north wall began to crack,
- drainpipes, flumes and windowsills were in bad condition,
- bars of the windows and balustrades of the balconies were suffered from corrosion,
- bathrooms and some other utility rooms were not connected to the ventilation system,
- stairways and terrace floor were not waterproof and balcony floors were destroyed,
- concreted band surrounding the building was not waterproof.

Figure 1. West view of building before renovation



**Figure 2. South view of building before renovation**



**Figure 3. condition of the plaster**



**Figure 4. condition in close-up**





**Figure 5. East view of building before renovation**



**Figure 6. terrace stairway and floor**



**Figure 7. condition in close-up**





**Figure 8. North view of building before renovation**



**Figure 9. condition of the plaster**



**Figure 10. the wall began to crack**



## II. RENOVATION PROCESS

The beginning of the works: 28<sup>th</sup> of April 2014,

April , 2014

1. Choosing of the new color scheme for the building with the approval of the city restorer's office,
2. Setting up the scaffolding by the north wall of school building.

### FACTUAL DOCUMENTATION OF RENOVATION PROCESS



Figure 1 – color samples on the wall



Figure 2 – city restorer's proposal of color samples

May, 2014

1. Digging up some part of damp-proofing of walls to consult with specialists. After an examination of factual documentation of works in 2010 they found good technical condition of damp-proofing of walls. The inspector in charge of the renovation work, advised us to do new waterproof concreted band surrounded the building and to clean ventilation gratings on the base course of a building.
2. The technology used to repair stairways and floor of the terrace was supported by BASF–The Chemical Company managers.
3. Renovation of the north wall of the school building.
3. Setting up the scaffolding by the west wall of school building and beginning of the repair work.

### FACTUAL DOCUMENTATION OF RENOVATION PROCESS



Figure 3 – repair work on the north wall of the building



Figure 4 – plating cornices with tinplate





Figure 5 – the roof of the corner annex before renovation



Figure 6 – a felted roofing of the corner annex



Figure 7 – the molding before renovation



Figure 8 - the molding after the repair work



Figure 9 – attics on the north wall of the building



Figure 10 – view of the north wall of the building after renovation



Figure 11– the base course of the building before renovation



Figure 12 – (21.05.2014) Setting up the scaffolding along the west wall of the school building

June, 2014

The continuation of the west wall repair work:

1. Renovation of the medallion above loggia, cornices and other architectural details.
2. Changing or reparation drainpipes, flumes and windowsills. Continuation of roofing works also.
3. Cleaning balustrade of the balcony by sandblasting and cleaning antique bars of windows by heating.
4. Setting-up the scaffolding by the east wall of school building and beginning of the repair work, among other things: hacking the bad plaster off, repairing hacked surfaces by applying the BASF technology, preparation balustrades of the balconies for sandblasting, start-up repair works on terrace.

#### FACTUAL DOCUMENTATION OF RENOVATION PROCESS



Figure 13 - plating coping with tinplate



Figure 14 – the coping decoration





Figure 15 - balustrade of the balcony



Figure 16 - balcony balustrade after painting



Figure 17- the medallion above loggia



Figure 18 - the medallion above loggia



Figure 19 – balustrade of the balcony after sandblasting and painting

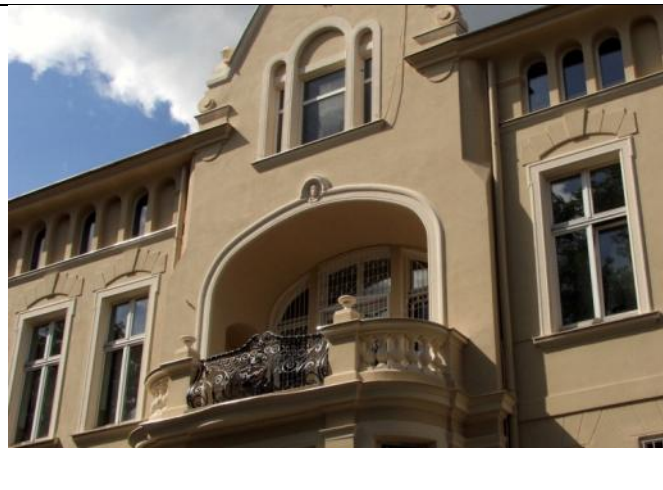


Figure 20 – fragment of west wall of the elevation with the balcony





Figure 21– decoration of the windows



Figure 22 – cornices and other west wall decoration



Figure 23 – attics on the west wall of the building



Figure 24 – coping on the west wall of the building

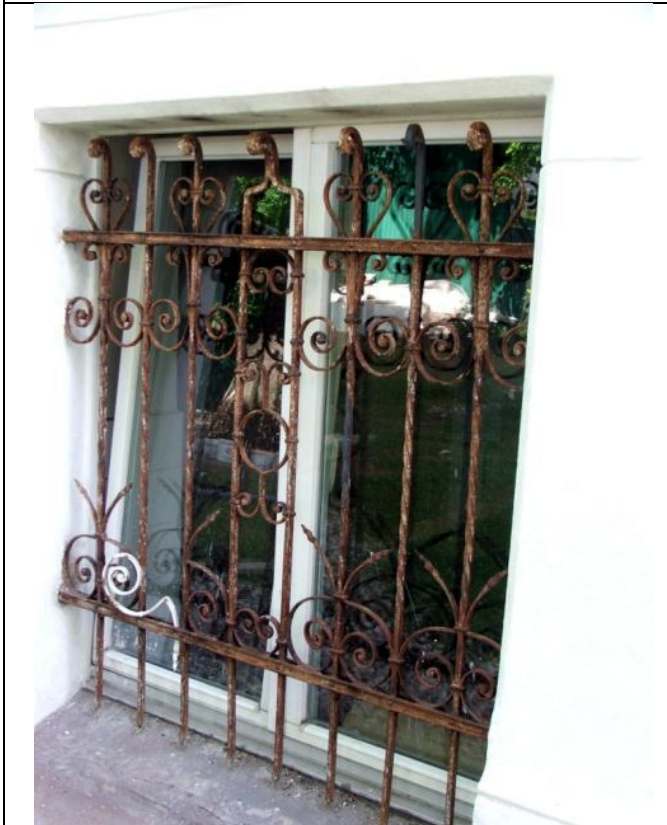


Figure 25 – antique window bar after heating

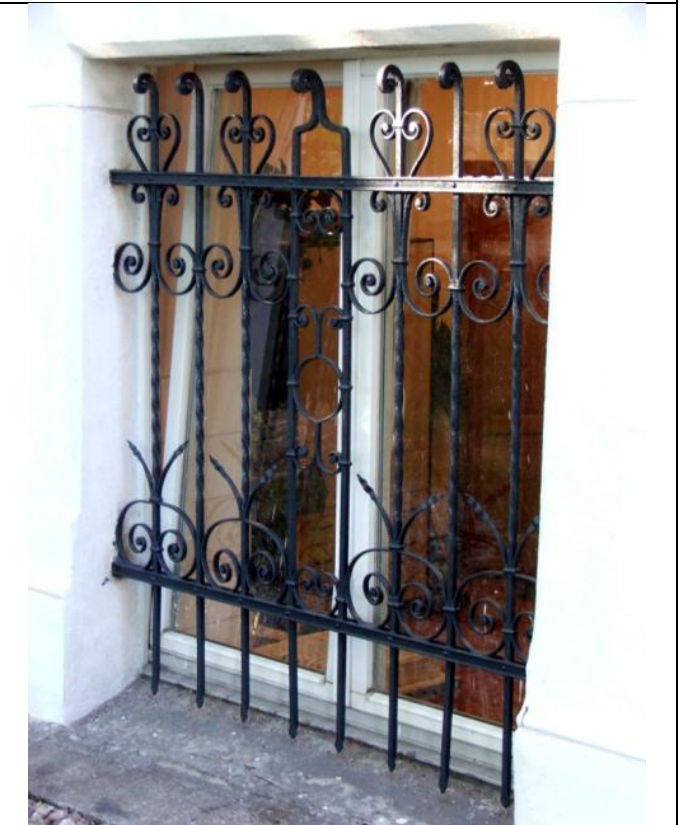


Figure 26 – antique window bar after painting





Figure 27 – Setting up the scaffolding by the east wall of the school building (23.06.2014)



Figure 28 – painting decoration details and removing old flag handles on the west wall of the building - recommended by inspector in charge of the renovation (24.06.2014)



Figure 29 – the east wall of the school building before changing chapel windows



Figure 30 – the east wall of the school building, view from Głogowska street





Figure 31 – the east wall, hacking the bad plaster off

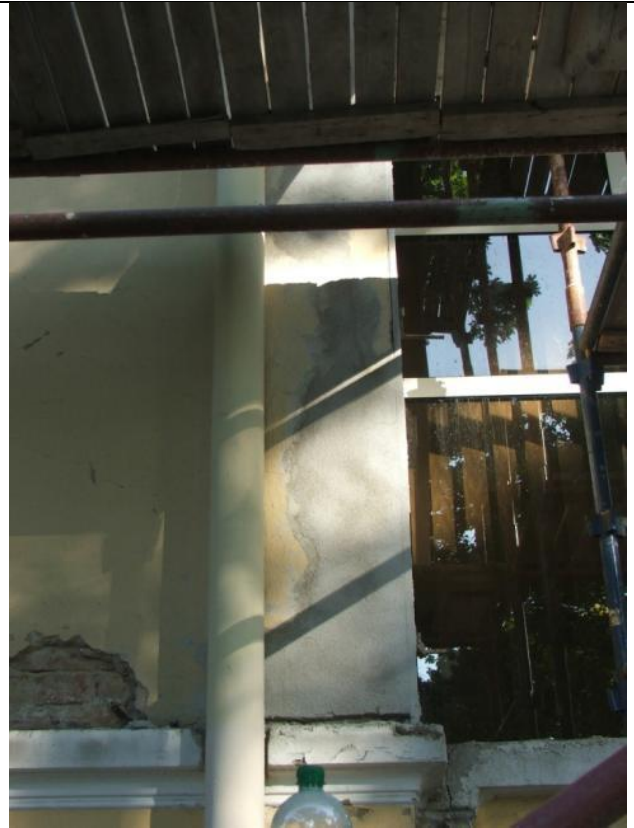


Figure 32 – repair work on the east wall



Figure 33 – the east wall, repair works on the terrace



Figure 34 – fragment of the terrace wall



Figure 35 – balcony balustrade cut for sandblasting



Figure 36 – part of balcony balustrade suffering from corrosion



July, 2014

1. Continuation of the west-wall repair work: changing of /reparation drainpipes, flumes and windowsills, plating cornices with tinplate, heating antique windows bars, repairing balcony floors - applying ceramic floor tiles.
2. Continuation of roofing works.
3. Reparation of the chapel stained glass-windows, preparation to the changing of the chapel windows.
4. Connection bathrooms and some other utility rooms to the ventilation system,
5. Setting-up the scaffolding by the east wall of school building and beginning of the repair works.

#### FACTUAL DOCUMENTATION OF RENOVATION PROCESS



Figure 37 – the east wall of the school building (1.07.2014)



Figure 38 – the east wall of the school building (18.07.2014)



Figure 39 - balcony balustrade after sandblasting and painting – on the 1<sup>st</sup> floor



Figure 40 - balcony balustrade after sandblasting and painting – on the 2<sup>nd</sup> floor





Figure 41 – flumes on the east wall of the building



Figure 42 - the chapel stained glass-windows, after reparation



Figure 43 – repair works on the south wall (18.07.2014)



Figure 44 – repair works on the south wall (22.07.2014)



Figure 45– repair works on the south wall (29.07.2014)



Figure 46 – repair works on the south wall (31.07.2014)



August – September, 2014

1. The changing of the chapel windows – applying antiburglar window pane (type P2 )and removing window bars.
2. Woodworks and roofing works in the school garage.
3. Damp-course treatment of stairways and floor of the terrace .
4. Installation new waterproof concreted band surrounded the building and cleaning ventilation gratings on the base course of a building.
5. Continuation of repair works on the base course of a building.
6. Heating bars and balustrades of the terrace, making some alterations to the repair works, putting the school terrain in order.

#### FACTUAL DOCUMENTATION OF RENOVATION PROCESS



Figure 47 – changing chapel windows (1.08.2014)



Figure 48 – changing chapel windows (1.08.2014)



Figure 49 – facade of the school after changing chapel windows

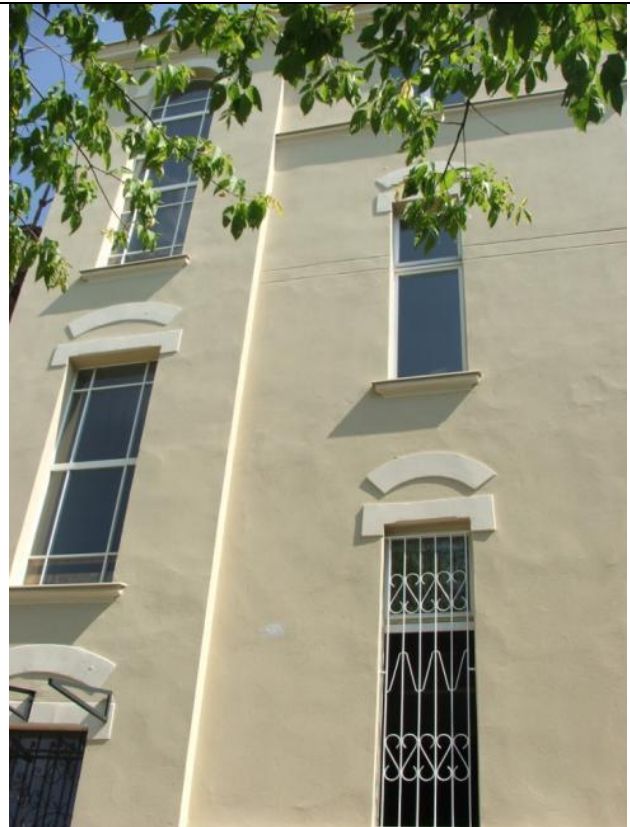


Figure 50 - fragment of the south wall of the building (1.08.2014)





Figure 51 – renovation of garage – removing the roof



Figure 52 - renovation of garage – the new roof



Figure 53 – the first layer of insulation against water on the terrace stairs



Figure 54 – the second layer of insulation against water on the terrace stairs



Figure 55– the terrace after repair works



Figure 56 – the new waterproof concreted band surrounding the building



Figure 57 – the south wall of the building after repair works



Figure 58 – the south wall of the building after repair works

The end of school building renovation: **September 8, 2014.**



# I. BUILDING AFTER RENOVATION

Figure 1. West view of building after renovation





Figure 2. South view of building after renovation





Figure 3. North view of building after renovation





**Figure 4. North view of building after renovation**



Poznan, October 18, 2014