

Renovation works of Salt House's roof of 16th century (Lubań, Lower Silesia, Poland) – case study.

K. Ałykow*, M. Napiórkowska-Ałykow[†]

* Team of civil Engineers AŁYKOW
Kościuszki 1/4
59-800 Lubań, Poland
e-mail: biuro@alykow.com, web page: <http://www.alykow.com>

[†] Team of civil Engineers AŁYKOW
Kościuszki 1/4
59-800 Lubań, Poland
e-mail: audyty@alykow.com, web page: <http://www.alykow.com>

ABSTRACT

This article presents next step of the restoration works in the Salt House in Lubań, Lower Silesia, Poland. The first stage of technical and conservatory problems which appeared during the restoration process was described in the article “Between conservators theory and modern construction’s codes. Renovation of roof of 16th century Salt House in Lubań, Lower Silesia, Poland”, which was presented on 5th International Conference on Structural Health Assessment of Timber Structures, 25-27 Sempember 2019, Guimarães, Portugal.

The Salt House in Lubań, Lower Silesia, Poland was erected between 1537 and 1539. This monumental building is located between medieval defense walls, and it was used as a storage house for salt and grain until the end of the 18th century.

In 2016 was prepared documentation, which included 3-D scans of roof truss repair, also technical codes and restoration works. During the first phase of works author of this article, who is also Supervising Engineer, and a expert of the Ministry of Culture and National Heritage Republic of Poland, discovered a lot of differences between technical documentation and reality. Differences and attempts of adjustment restoration works, technology of works were presented wider in article on SHATiS’19, Portugal.

The authors of this article want to show what problems appeared during the continuation of renovation works and their solutions in scope of historical carpenter and masonry construction.

REFERENCES

- [1] Krzywka Ł., 2017. *Historical and architectural analysis and conservation proposals for the Salt House in Lubań*
- [2] Fokt K., Tekiela Ł., Bena W., Koreś D., 2010. *Vademecum of the history of Upper Lusatia*. http://www.luzyce-wid.pl/?page_id=237 (2019)
- [3] Ważny T., Ufnalski K., 2018 *Dendrochronological analysis of the Salt House in Lubań (Lower Silesia Province)*
- [4] Gašior M., 2018. *A program of conservation and restoration works for the building of the Salt House in Lubań*
- [5] Ałykow K., Napiórkowska-Ałykow M., 2015. “On the inadequate modeling of the structure of architectural heritage”. *Journal of Heritage Conservation* 41/2015, 59-64