1. Identification of the student:

Student: Laird Grayson
Thesis: Renovation of the Former Stables of the CBN in Plasy
1st Institution: The University of British Columbia, Canada
2nd Institution: Czech Technical University in Prague, Czech Republic
Academic year: 2023/2024

2. Identification of the supervisor:

Name: doc. Ing. Klára Kroftová, PhD.
Institution: Dept. of Architecture, Faculty of Civil Engineering, Czech Technical University in Prague, Czech Republic
Position: Associate Professor

3. General comments
The thesis by Laird Grayson on the renovation of the former stables at the CBN in Plasy is a comprehensive and well-structured document. It introduces the historical, structural, and technical aspects of the renovation project. The work demonstrates an understanding of the subject matter and showcases Grayson's ability to apply advanced structural analysis techniques to a project. The thesis is thorough in its examination of the building's current condition, the proposed renovation plans, and the technical solutions for identified issues such as salinity, moisture infiltration, and structural deficiencies.

The thesis is well structured: it begins with an extensive review of the historical background of the Plasy stables, which sets the context for the necessity and importance of the renovation project. The work then moves into detailed structural assessments, identifying key issues such as salinity and moisture damage. Grayson provides thought-out proposals for addressing these issues, including soil improvements and new drainage details. The structural analysis using FEM (Finite Element Method) is particularly noteworthy, as it provides a clear understanding of the building's current state and the impact of proposed renovations. The thesis also includes practical recommendations for preserving the historical integrity of the structure while adapting it for modern use, which aligns with the project's goals. The academic quality of this thesis is good. The literature review is comprehensive, citing relevant and up-to-date sources that support the analysis and proposed solutions.

The formal arrangement of the thesis is well-organized and logical. The introduction provides a clear overview of the project and its objectives. Subsequent sections follow a logical progression, from historical context to technical analysis, proposed solutions, and conclusions. The language used is appropriate, being both formal and accessible.

Overall, Laird Grayson's thesis on the renovation of the former stables at the CBN in Plasy is a high-quality. It effectively fulfills its goals and demonstrates the technical quality, and is well-presented and clearly written. The thesis not only showcases the author's expertise in structural analysis and historical conservation but also provides valuable insights and practical solutions for the renovation project.

During the semester, Laird responded to the consultations and processed the suggestions independently.

4. Grade: ______ B (very good)__________

Use the following scale

| A (excellent) | B (very good) | C (good) | D (satisfactory) | E (sufficient) | F (fail) |

Faculty of Civil Engineering, CTU in Prague, Prague

July 16, 2024

The Supervisor,

[Signature]

doc. Ing. Klára Kroftová, Ph.D.

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