

## I. IDENTIFICATION DATA

<b>Thesis title:</b>	<b>Structural Aspects of Reinforced Concrete Building Reconstruction</b>
<b>Author's name:</b>	<b>Gleb Zhavoronkov</b>
<b>Type of thesis :</b>	master
<b>Faculty/Institute:</b>	Faculty of Civil Engineering (FCE)
<b>Department:</b>	Department of Concrete and Masonry Structures
<b>Thesis reviewer:</b>	Mgr. Yuliia Khmurovska, Ph.D.
<b>Reviewer's department:</b>	Department of Concrete and Masonry Structures

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>ordinarily challenging</b>
<i>How demanding was the assigned project?</i>	
The topic of the master thesis is combines the practical aspects of onsite construction processes and numerical assessment of changes to the structural load bearing system. Therefore, the thesis requires the student to study and understand the complexity of intervention to existing structures and their strengthening when needed.	

<b>Fulfilment of assignment</b>	<b>fulfilled with minor objections</b>
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The master thesis focuses mainly on the practical aspects of reconstruction and strengthening of masonry structures. This part of the thesis is fulfilled fully. The calculations related to assessment of load bearing capacity of the strengthened masonry is satisfactory, however, more details could be added.	

<b>Activity and independence when creating final thesis</b>	<b>C - good.</b>
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
The student left Prague in the middle of the semester. This prevented the possible contact discussions which seemed necessary for better understanding of the calculation aspects. The student worked independently, however, the distant communication affected quality of the thesis.	

<b>Technical level</b>	<b>C - good.</b>
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
The part related to onsite procedures is prepared in detail with graphical explanations. The numerical part of the thesis lacks depth, however, it can be considered sufficient.	

<b>Formal level and language level, scope of thesis</b>	<b>C - good.</b>
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
The master thesis seems to lack the final check for grammatical errors, typos and formal consistency.	

<b>Selection of sources, citation correctness</b>	<b>C - good.</b>
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
The used sources are relevant. The references to literature are not added to the text. Most of the graphics are self-made, however, there are cases of abridging graphics or parts of graphics from literature without proper referencing.	

**Additional commentary and evaluation (optional)**

*Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.*

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**III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE**

The topic and the assignment of the master thesis is considered as ordinarily challenging. The student fulfilled the assignment satisfactorily. The student showed a degree of independence in working on his thesis.

The grade that I award for the thesis is **C - good**.

Date: **31.1.2021**

Signature: