

## I. IDENTIFICATION DATA

<b>Thesis title:</b>	<b>Residential Building in Prague</b>
<b>Author's name:</b>	<b>Dayana Muratova</b>
<b>Type of thesis :</b>	bachelor
<b>Faculty/Institute:</b>	Faculty of Civil Engineering (FCE)
<b>Department:</b>	Department of Building Structures
<b>Thesis reviewer:</b>	Doc. Ing. Eva Burgetová, CSc.
<b>Reviewer's department:</b>	Department of Building Structures

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b> <i>How demanding was the assigned project?</i>	<b>ordinarily challenging</b>
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<b>Fulfilment of assignment</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>	<b>fulfilled</b>
<i>The primary goals were to design a bachelor project of administration building in Prague. This bachelor thesis is worked and solved as a project of residential building, which most focused on building structures solution. The project consists of five parts: civil engineering, involved in structural design and technical solution, preliminary design and structural solution of concrete structures, design of foundation of the residential building, subsoil interaction with the building, design of combination of foundation slab and piles, plan of the generally solution of building services systems, composed of proper design of drainage, water supply system and heating system of the building, last part is about fire safety, including proper design of securing safety.</i>	

<b>Methodology</b> <i>Comment on the correctness of the approach and/or the solution methods.</i>	<b>correct</b>
<i>The approach to the design is correct. Dayana showed very good knowledge of the methods to be used for solving the problems and identifying the risks.</i>	

<b>Technical level</b> <i>Is the thesis technically sound? How well did the student employ expertise in the field of his/her field of study? Does the student explain clearly what he/she has done?</i>	<b>A - excellent.</b>
<i>Dayana proved her ability to understand the professional technical approach to design and apply it for practical solutions.</i>	

<b>Formal and language level, scope of thesis</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>	<b>A - excellent.</b>
<i>The level of language of the thesis is high, technical one, easy understandable, using correct terms. Document is well structured. The thesis is sufficiently extensive and well-presented.</i>	

<b>Selection of sources, citation correctness</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>	<b>A - excellent.</b>
<i>The bibliographic citations meet the standards, citation is corrects. All structural solutions of residential building are provided in accordance with Czech standard norms.</i>	

<b>Additional commentary and evaluation (optional)</b> <i>Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility</i>
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*of the solution that is presented, the theoretical/formal level, the student's skilfulness, etc.*

*Dayana is capable to interpret the fundamental of the problem precisely.*

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

*Summarize your opinion on the thesis and explain your final grading. Pose questions that should be answered during the presentation and defence of the student's work.*

*All goals were reached, showed very good knowledge of giving problems.*

*I have just the following comments on the work:*

- *Explain drainage of the balcony*
- *Details of roof attics in cross section drawings*
- *Explain characteristics of loess.*

The grade that I award for the thesis is **A - excellent.**

Date: **19.6.2020**

Signature: **Doc. Ing. Eva Burgetová, CSc.**