

I. IDENTIFICATION DATA

Thesis title:	Design methods of flat slabs for punching – European and North American practices
Author's name:	Yerlan Koshekbayev
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Civil Engineering (FCE)
Department:	Department of Concrete and Masonry Structures
Thesis reviewer:	Mgr. Yuliia Khmurovska, Ph.D.
Reviewer's department:	Department of Concrete and Masonry Structures

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	ordinarily challenging
<i>How demanding was the assigned project?</i>	
The assignment deals with the design methods of flat slabs for punching according to design codes and considered to be ordinary challenging.	

Fulfilment of assignment	fulfilled
<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 assignment is fulfilled. The "State of the art" section of the thesis is overextended, since it forms almost half of the thesis.	

Activity and independence when creating final thesis	A - excellent.
<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 reported his progress regularly. He met time limits well and was able to work independently. The student improve himself and his knowledge significantly while he was writing his bachelor thesis.	

Technical level	B - very good.
<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 technical level of the thesis is sound. However, the explanation in the thesis flow may be improved.	

Formal level and language level, scope of thesis	C - good.
<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>	
Formal and language level of the thesis is good in general. However, the notation is not always clear. Moreover, the thesis presentation may be improved. For example, the "State of the art" section may be reduced and the "Case study" and the "Results and discussion" sections may be extended by additional explanation and clarification.	

Selection of sources, citation correctness	B - very good.
<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 citations are clear and adequate. However, it is better to cite the latest version of some sources (like design codes).	

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

Summarize your opinion on the thesis and explain your final grading.

To sum up, the student worked hard while he was writing the thesis. He was able to improve himself and his knowledge. From the supervisor point of view, it is the most important outcome of the thesis. Regarding the thesis itself, the thesis is comprehensive and adequate even despite the minor reservations. The weakest point of the thesis is that the student should pay more attention to the step-by-step explanation and clarification of the workflow.

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

Date: **24.1.2022**

Signature:

