

I. IDENTIFICATION DATA

Thesis name:	Stainless steel portal frames
Author's name:	Martin Kapoun
Type of thesis :	master
Faculty/Institute:	Faculty of Civil Engineering (FCE)
Department:	Department of Steel and Timber Structures
Thesis supervisor:	John Leander.
Supervisor's department:	Department of Civil and Architectural Engineering, KTH Royal Institute of Technology.

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment <i>Evaluation of thesis difficulty of assignment.</i> Please insert your commentary.	ordinarily challenging
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Satisfaction of assignment <i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i> Please insert your commentary.	fulfilled
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Activity and independence when creating final thesis <i>Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.</i> Please insert your commentary.	B - very good.
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Technical level <i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i> Please insert your commentary.	C - good.
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Formal and language level, scope of thesis <i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i> Please insert your commentary.	D - satisfactory.
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Selection of sources, citation correctness <i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.</i> Please insert your commentary.	C - good.
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Additional commentary and evaluation <i>Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.</i> Please insert your commentary (voluntary evaluation).	
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III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

The objective of the degree project was to investigate the influence of nonlinear material behavior, pertinent to stainless steels, on the buckling resistance of portal frames. The setup was a practical comparison between results from a detailed numerical model and the method in the governing code. The difficulty of the project was therefore not judged very challenging but it required a substantial work effort on performing extensive parametric studies.

Martin showed ambition and good spirit in the work with the project. He independently acquired necessary information and performed the analyses. He eagerly learned to use new software and showed the ability to interpret the results produced. The supervision was focused on high level discussions on qualitative issues.

The grade is influenced by the limited scope of the work which was partly due to the restricted time spent at KTH.

I evaluate handed thesis with classification grade **C - good**.

Date: **24.1.2019**

Signature:



John Leander