



National Research Council
Canada

Conseil national de recherches
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Canadian Commission
on Building and Fire
Codes

Commission canadienne des
codes du bâtiment et de
prévention des incendies

Ottawa Canada
K1A 0R6

NRC - CNRC

BFC-13,817

February 10, 2012

Underwriters Laboratories of Canada
7 Underwriters Road
Toronto, Ontario
M1R 3A9

I am forwarding the attached letter from the Canadian Commission on Building and Fire Codes' Standing Committee on Structural Design regarding ULC S101 and load restriction factors.

If you have any need for further information on this matter we would be happy to provide it.

Yours truly,

Chris Fillingham
Chair CCBFC



National Research Council
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Institute for
Research in Construction

Institut de
recherche en construction

Ottawa Canada
K1A 0R6



SD-13,611

May 31, 2011

Underwriters Laboratories Canada
7 Underwriters Road
Toronto, Ontario, M1R 3A9

Attn.:

Re.: ULC S101 and Load Restriction Factors

The Standing Committee on Structural Design (SCSD) was assigned the task by the Canadian Commission on Building and Fire Codes (CCBFC) to evaluate the load restriction factors that have recently been applied by Underwriters Laboratories of Canada Limited (ULC) to the live load for fire rating tests conducted according to testing protocol based on Working Stress Design principles.

The SCSD formed a Task Group to specifically study the testing protocol and to make a recommendation to the SCSD. The recommendation of the Task Group was that the fire rating tests based on Working Stress Design load calculations be grandfathered, or more specifically that the ULC load restriction factors not be applied to reduce the loads on these tested assemblies. The Task Group also recommended that the status quo in ULC testing be maintained and that the existing test criteria of 100% DL and 100% specified LL be maintained. An additional recommendation was that there should be commentary guidance on the fire load being appropriate to a particular test assembly.

The Task Group recommendation was presented to the SCSD at its November 2010 meeting and after a long discussion was passed unanimously with one abstention by the SCSD to accept the Task Group's recommendation.

The Standing Committee on Structural Design is requesting that ULC withdraw their application of Load Restriction Factors on the Live Load for fire tests conducted using Working Stress Design parameters prior to the adoption of Limit States Design principles.

We trust that ULC will adhere to our request at your earliest convenience.

Yours truly,

Richard B. Vincent
Chair, Standing Committee on Structural Design