Accepted Manuscript

Application of Building Design Strategies to Create an Environmentally Friendly Building Envelope for Nearly Zero-Energy Buildings in the Central European Climate

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 PII:
 S0378-7788(17)32555-0

 DOI:
 10.1016/j.enbuild.2018.01.019

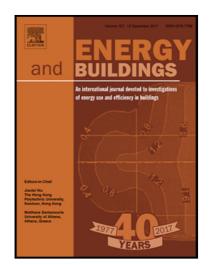
 Reference:
 ENB 8279

To appear in: *Energy & Buildings*

Received date:31 July 2017Revised date:22 January 2018Accepted date:23 January 2018

Please cite this article as: Martin Volf, Antonín Lupíšek, Michal Bureš, Jiří Nováček, Petr Hejtmánek, Jan Tywoniak, Application of Building Design Strategies to Create an Environmentally Friendly Building Envelope for Nearly Zero-Energy Buildings in the Central European Climate, *Energy & Buildings* (2018), doi: 10.1016/j.enbuild.2018.01.019

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Highlights

- The oldest existing curtain wall systems are becoming obsolete and energy inefficient.
- The building design strategies for reduction of the embodied primary energy and embodied emissions of greenhouse gases can be applied to new designs of curtain walls.
- The desired technical qualities of a new environmentally efficient design of new curtain walls were tested and proved.
- A major reduction in primary energy and greenhouse gas emissions were reached in both operational and embodied parameters.

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