BACHELOR THESIS REVIEW

Thesis title: APPLICABILITY OF CHILLED BEAM-SYSTEM IN THE MIDDLE EAST

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Number: 2 – EE – 2017

The thesis deals with Chilled beam as a type of convection HVAC system designed to heat or cool large buildings. There are the advantages of the chilled beam system and its limits discussed. The thesis focuses on comparing weather conditions in Tel Aviv and Prague and whether the chilled beam system is applicable in the Middle East.

Thesis are divided to five main chapters starting from Introduction, Description of the system, Risk of condensation analysis, Prevention of condensation and Conclusion. Thesis includes detailed energy and psychrometric calculations for both locations. Thesis are well organised and structure is clear.

Evaluation:
Originality of the work Good.
Relevance Very good
Technical merit Very good
Completeness of the reported work Good
Acknowledgement of the work of others by reference Good
Effectiveness of the text (organization & writing) Very good
Clarity of tables, graphs and illustrations Good

Total evaluation B (very good)

Question:
How can be treated air in the room to avoid the condensation on the beam?

In Prague 19.6.2017
Ing. Miloš Lain, Ph.D.