CARLETON UNIVERSITY

Department of Mechanical and Aerospace Engineering MASTER'S THESIS EXAMINATION

CANDIDATE: Liam Mann

Bachelor of Engineering, Carleton University, 2020

DATE: Tuesday December 19, 2023, 10:00 Video Conference

THESIS TITLE: Techno-economic feasibility of a solar-assisted transcritical CO2 heat pump system

for a Canadian net-zero energy home

EXAMINATION BOARD:

Internal Examiner Elie Azar, Civil & Environmental Engineering (Video Conference)

Member of Department Ahmed Abdulla, Mechanical & Aerospace (Video Conference)

Engineering

Thesis Supervisor Cynthia Cruickshank, Mechanical & Aerospace (Video Conference)

Engineering

Thesis Co-Supervisor Jean Duquette, Mechanical & Aerospace (Video Conference)

Engineering

Chair of Defence Eng Kuan Moo, Mechanical & Aerospace (Video Conference)

Engineering

Chair/Director of Department

or Designate

Ron Miller (Ex-officio)

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Dean, Faculty of Graduate and Patrice Smith (Ex-officio)

Postdoctoral Affairs